

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

## PLAN OF PROPOSED IMPROVEMENT

### N. SHERMAN AVENUE ASSESSMENT DISTRICT-2016

CITY PROJECT NO. 10217  
CONTRACT NO. 7636

PUBLIC IMPROVEMENT PROJECT APPROVED

JUNE 21, 2016

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

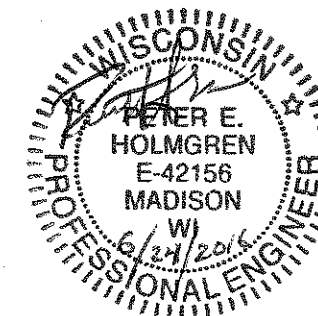
PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*[Signature]* 6/21/16  
City Engineer Date

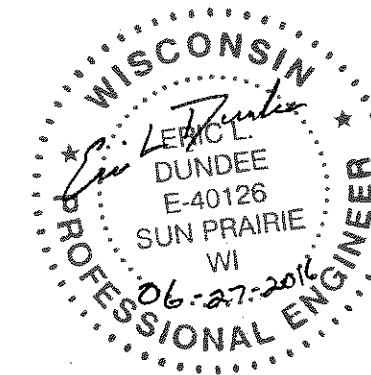
STREET  
DESIGNED BY:



WATER MAIN  
DESIGNED BY:



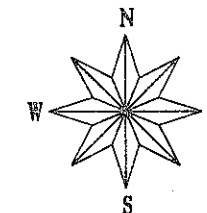
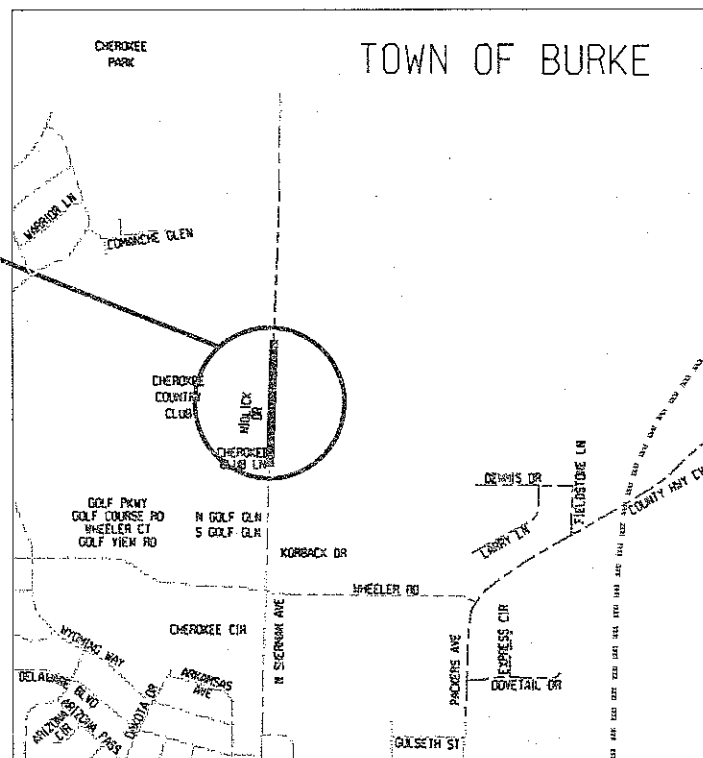
STORM SEWER  
DESIGNED BY:



INDEX OF SHEETS

| SHEET NO. | TITLE                              |
|-----------|------------------------------------|
| 1         | TYPICAL SECTIONS AND DETAILS       |
| D1        | EROSION CONTROL PLANS              |
| EC1-EC4   | STREET PLAN & PROFILES             |
| P1-P4     | UTILITY PLAN & PROFILES            |
| U1-U3     | STORM SEWER SCHEDULE               |
| U4        | WATER PLAN & PROFILE               |
| W1-W3     | WATER IMPACT PLANS                 |
| W4        | WATER MATERIALS ESTIMATE & DETAILS |
| W5        | CROSS SECTIONS                     |
| X1-X7     |                                    |

PROJECT  
LOCATION



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

|                   |         |
|-------------------|---------|
| GAS               | — G —   |
| STORM SEWER       | — ST —  |
| SANITARY SEWER    | — SAN — |
| WATER             | — W —   |
| OVERHEAD ELECTRIC | — OH —  |
| POWER POLE        | □       |

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%

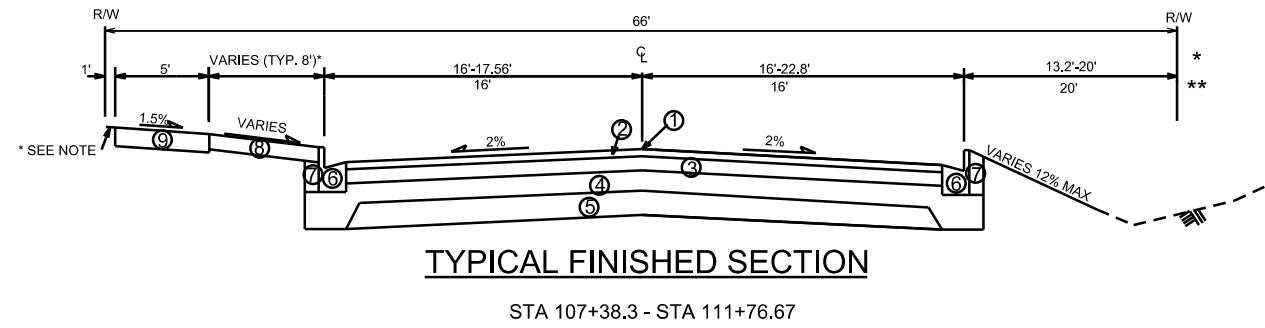
EARTH WORK SUMMARY:  
EXCAVATION CUT (MEASURED PLAN QUANTITY)..... 1014 C.Y.  
ESTIMATED UNDISTRIBUTED UNDERCUT..... 1552 C.Y.  
TOTAL UNCLASSIFIED EXCAVATION CUT..... 2566 C.Y.

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

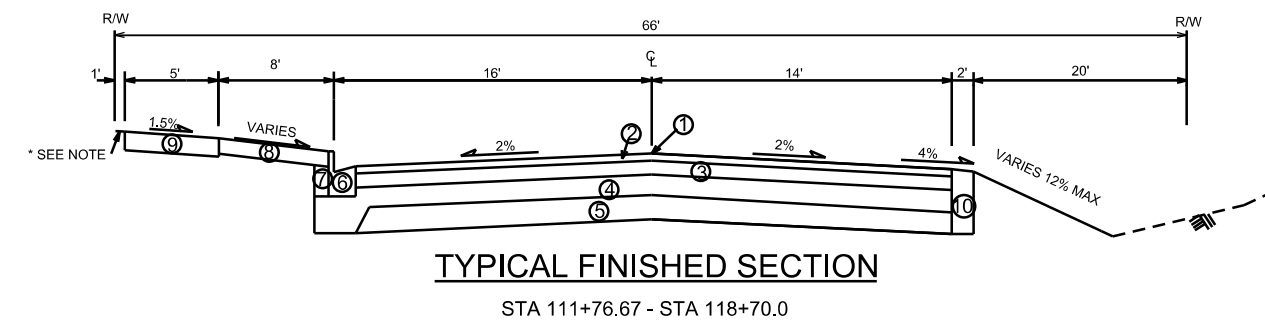


\* STA 107+38.3 - STA 109+27.78  
\*\* STA 109+27.78 - STA 111+76.67

TYPICAL SECTIONS NOT TO SCALE

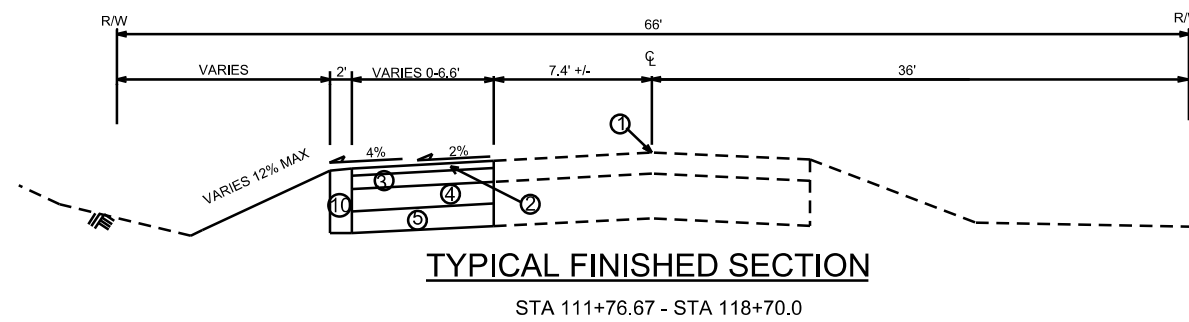
- ① POINT REFERRED TO ON PROFILE
- ② 2" BITUMINOUS UPPER LAYER
- ③ 2.25" BITUMINOUS LOWER LAYER
- ④ 4" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER
- ⑦ FILL, INCIDENTAL
- ⑧ 4" TOPSOIL, SEED & MAT
- ⑨ 5" CONCRETE SIDEWALK
- ⑩ GRAVEL SHOULDER

SEE CROSS SECTION SHEETS FOR CROSS SLOPES, TOP OF CURB AND BACK OF WALK ELEVATIONS.



TYPICAL FINISHED SECTION

STA 111+76.67 - STA 118+70.0



TYPICAL FINISHED SECTION

STA 111+76.67 - STA 118+70.0

PLOT SCALE:

PLOT NAME:

REV. DATE:

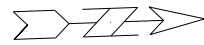
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EROSION CONTROL

N SHERMAN AVE

CITY OF MADISON

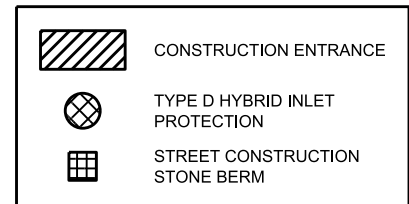
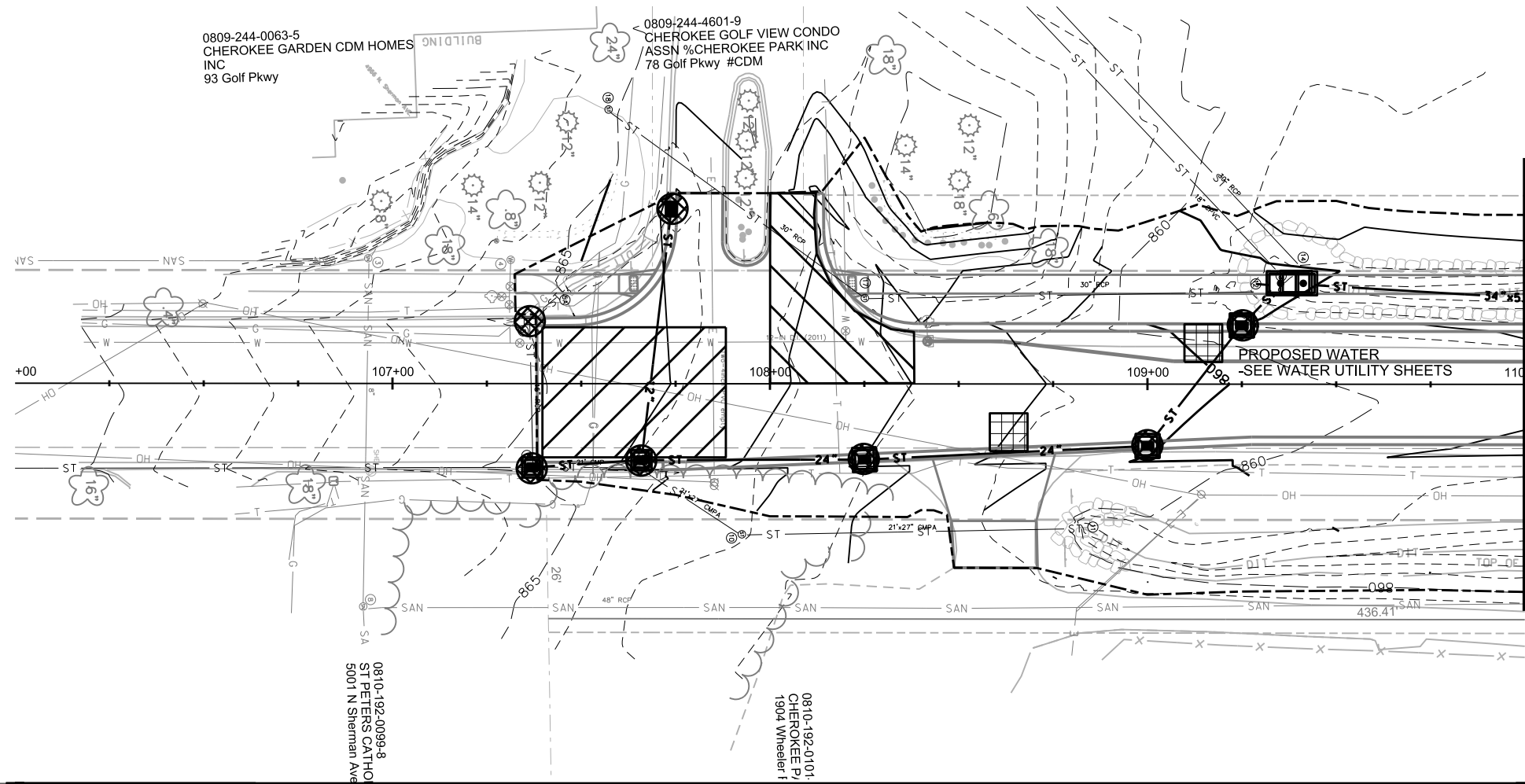


0809-244-0063-5  
CHEROKEE GARDEN CDM HOMES  
INC  
93 Golf Pkwy

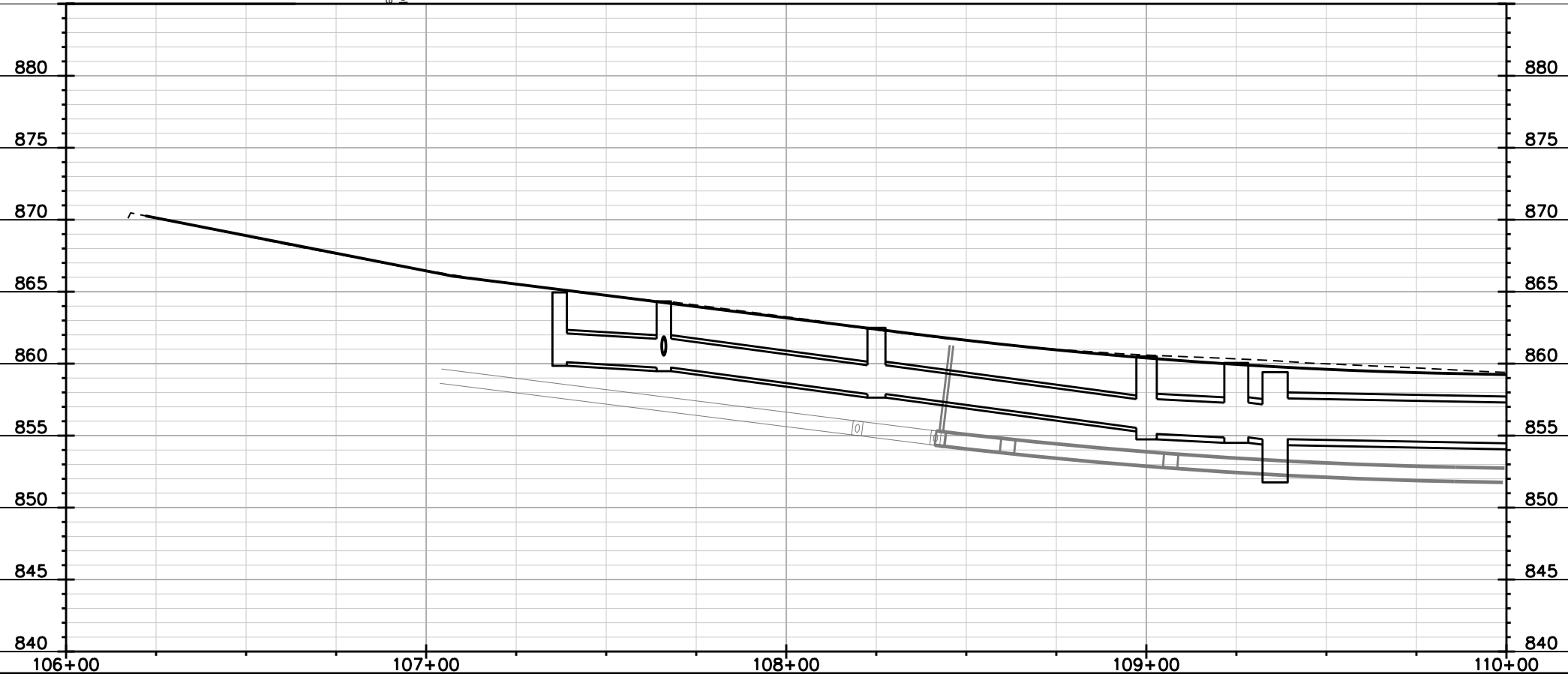
0809-244-4601-9  
CHEROKEE GOLF VIEW CONDO  
ASSN %CHEROKEE PARK INC  
78 Golf Pkwy #CDM

0810-192-0098-8  
ST PETERS CATHO  
5001 N Sherman Ave

0810-192-0101  
CHEROKEE P  
1904 Wheeler f



**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.  
 INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.  
 POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

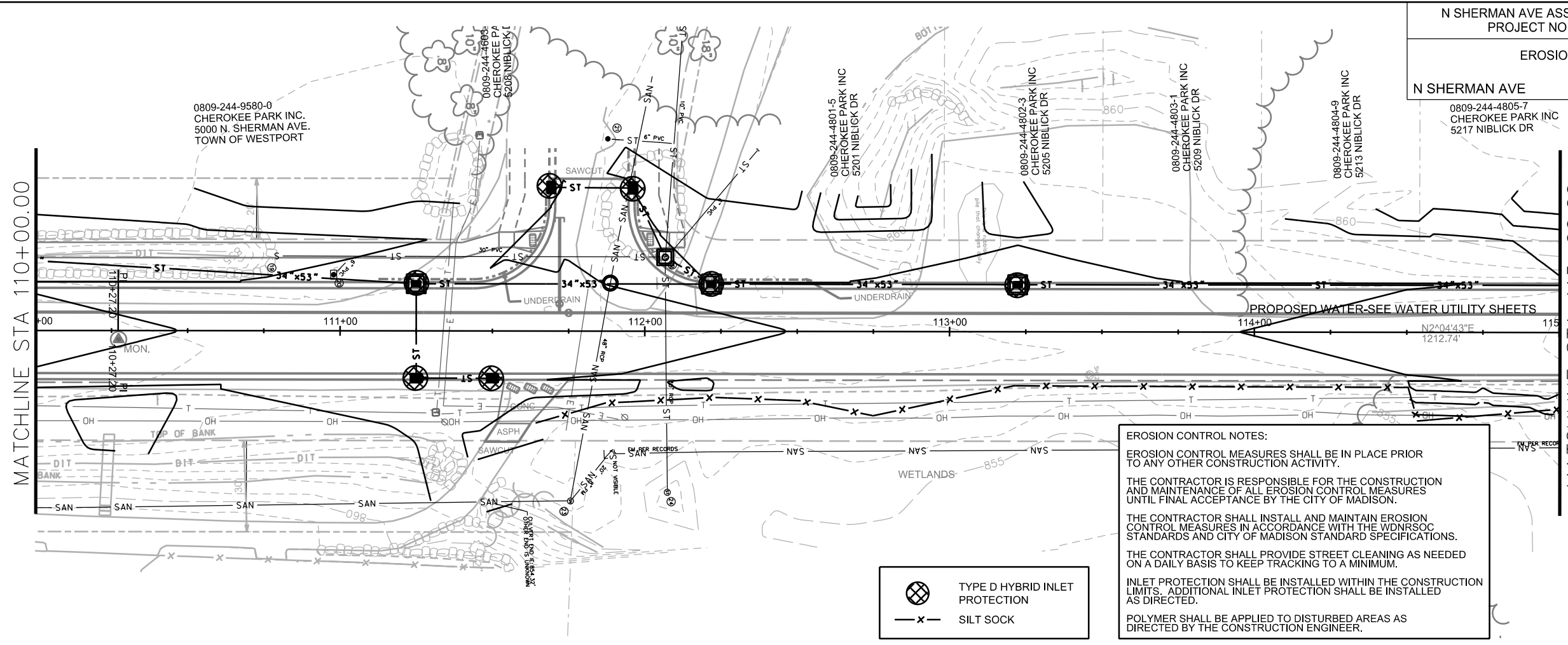


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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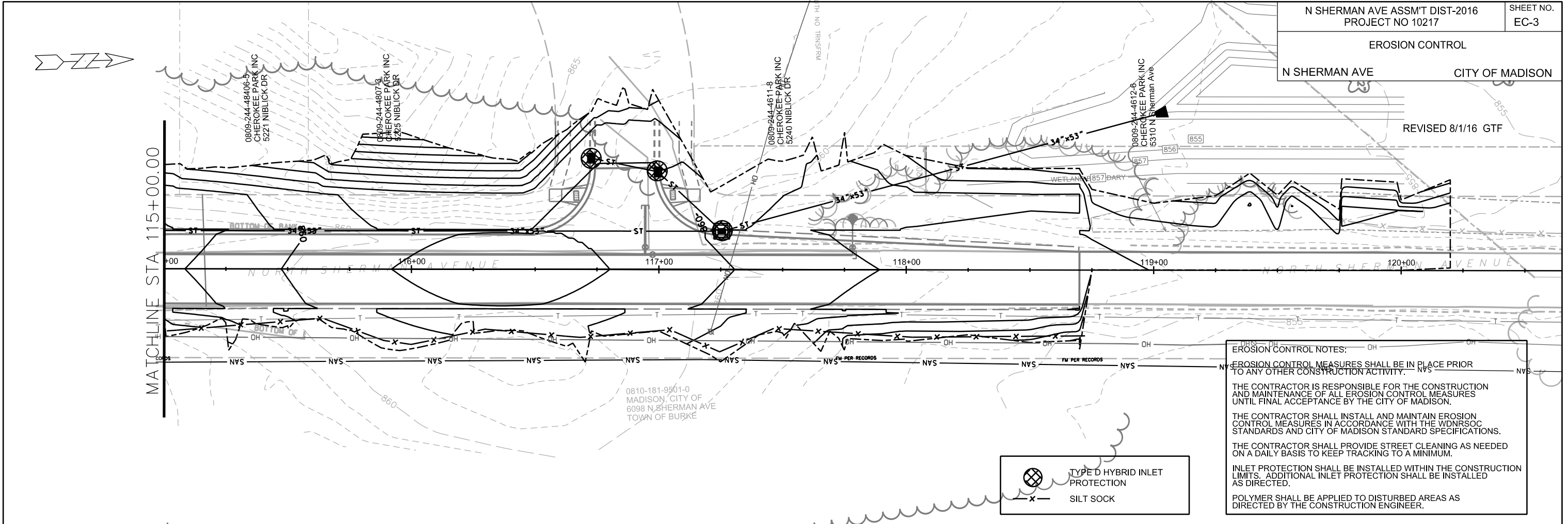
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL  
N SHERMAN AVE CITY OF MADISON

REVISED 8/1/16 GTF



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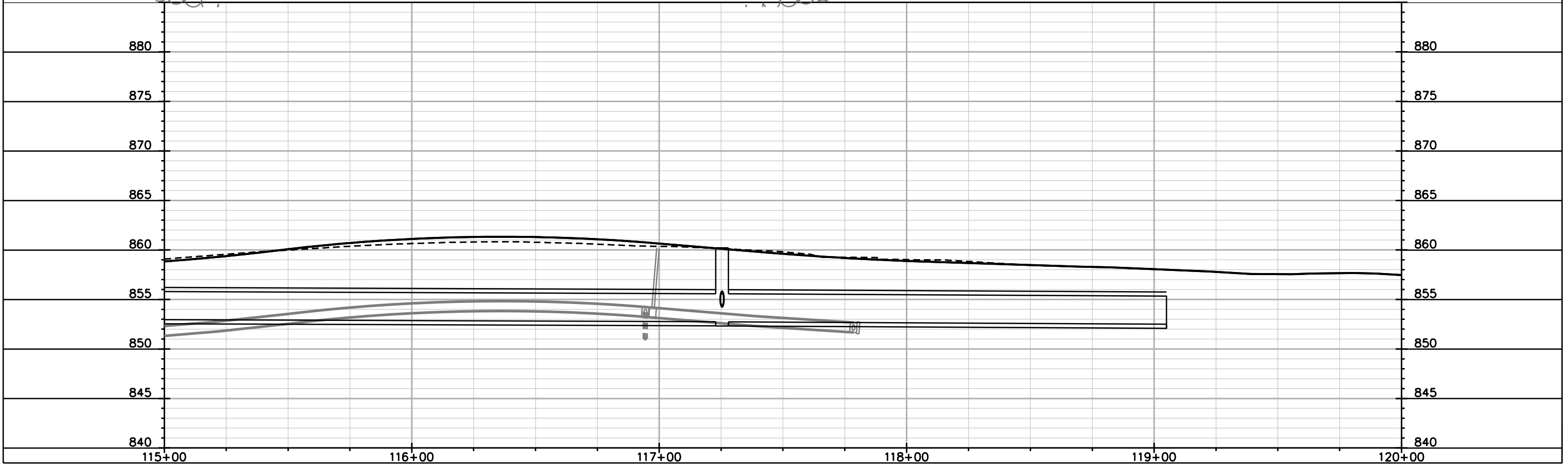
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|  |                                |
|--|--------------------------------|
|  | TYPE D HYBRID INLET PROTECTION |
|  | SILT SOCK                      |



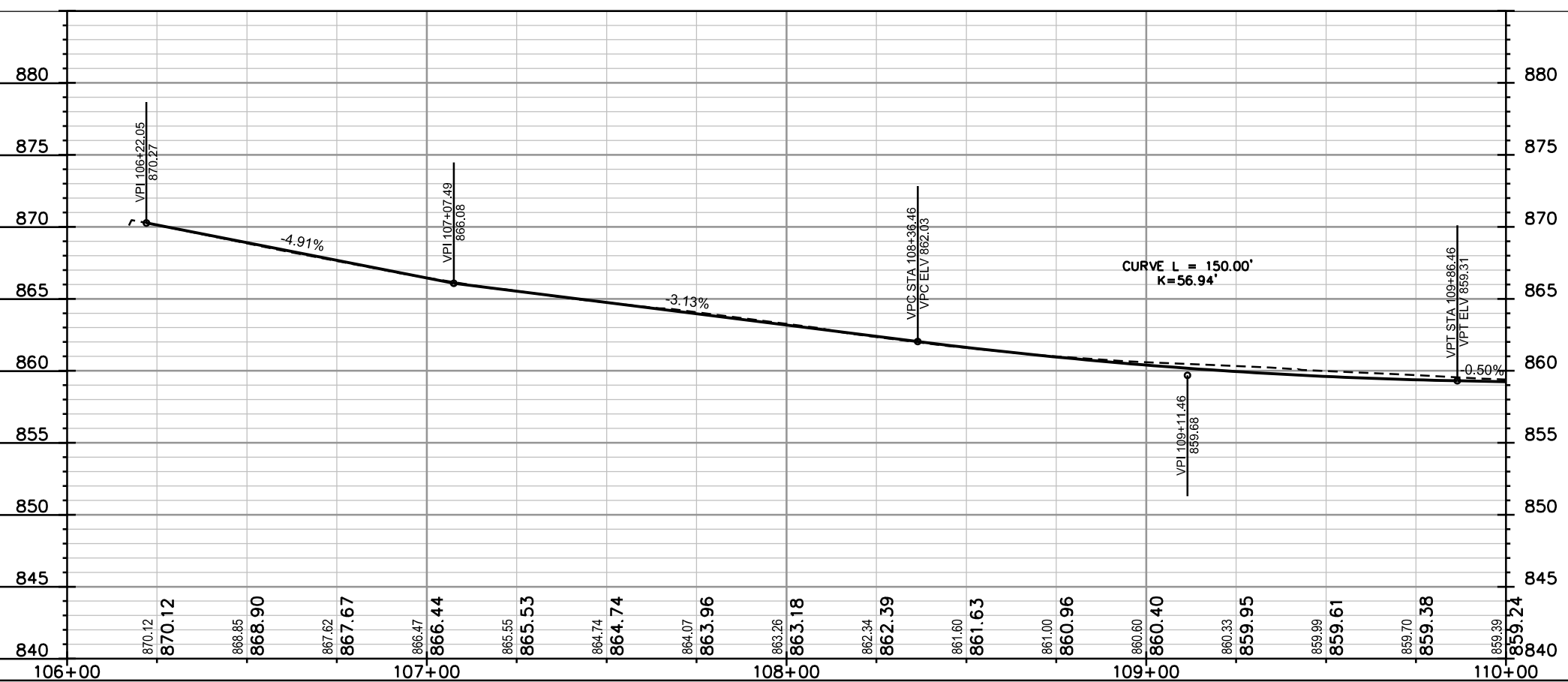
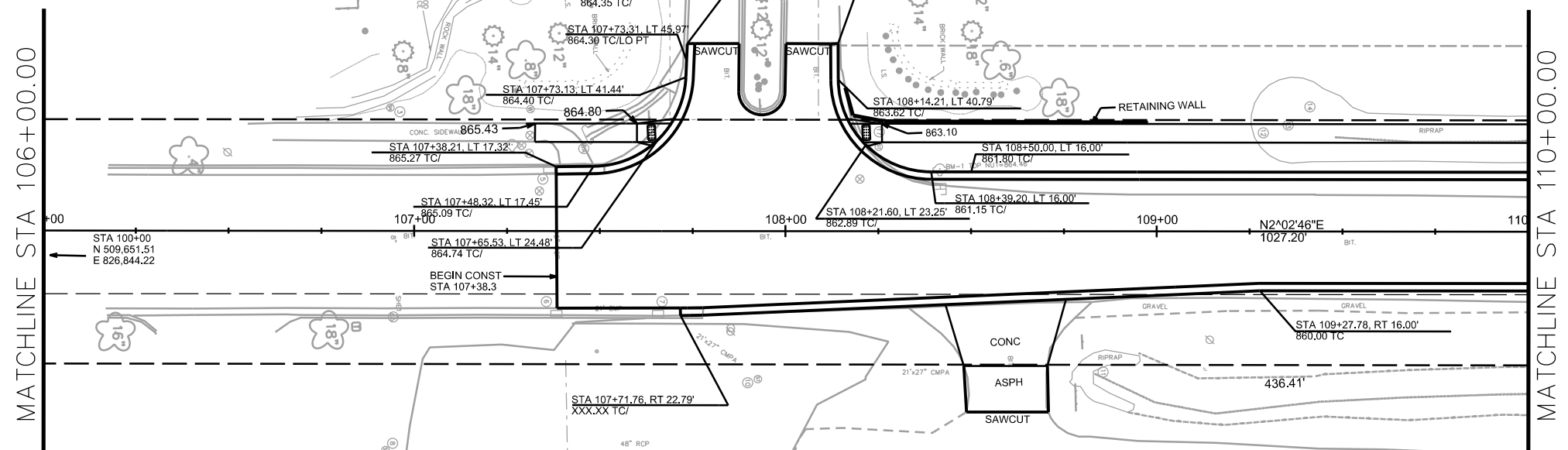
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

N SHERMAN AVE CITY OF MADISON



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

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

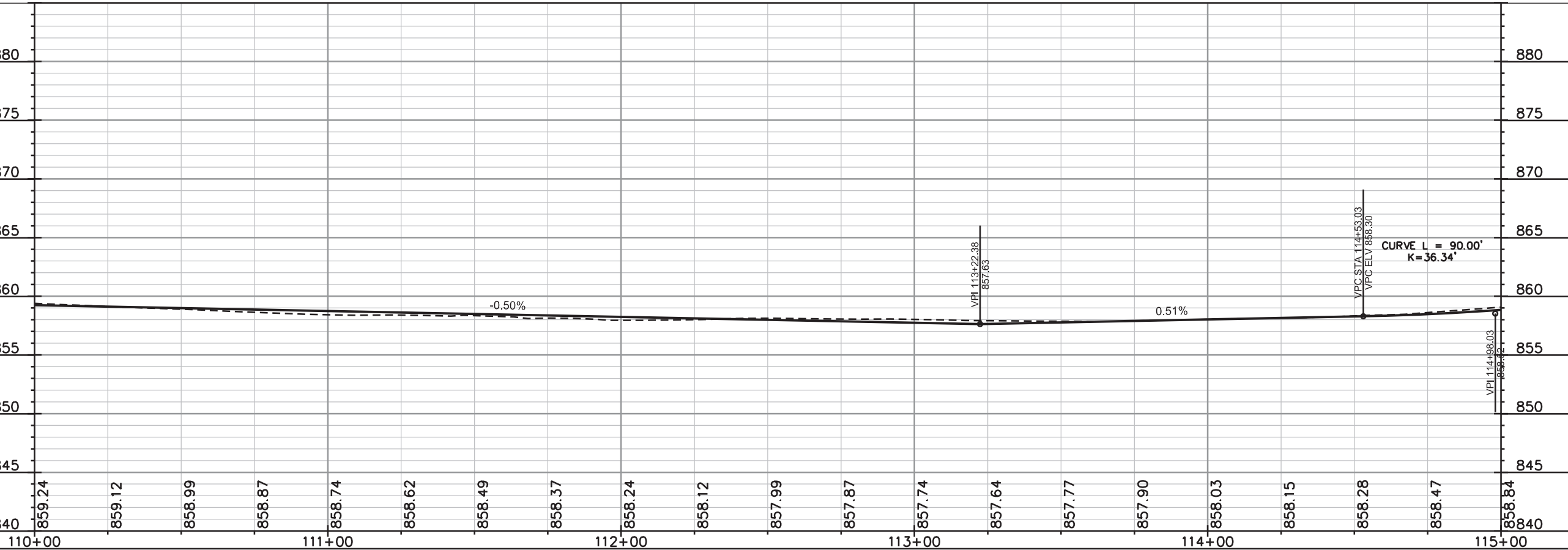
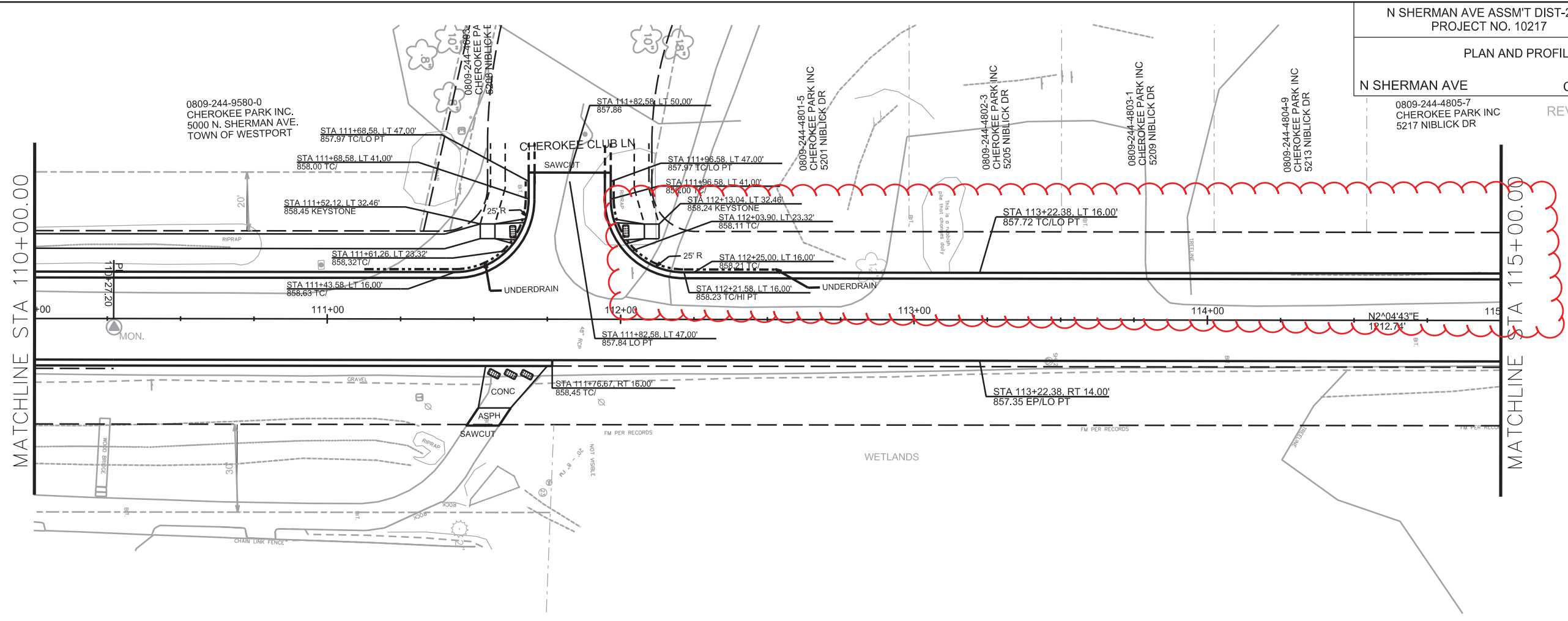
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

N SHERMAN AVE CITY OF MADISON

0809-244-4805-7  
CHEROKEE PARK INC  
5217 NIBLICK DR  
REV 7/29/16 LKH



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

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

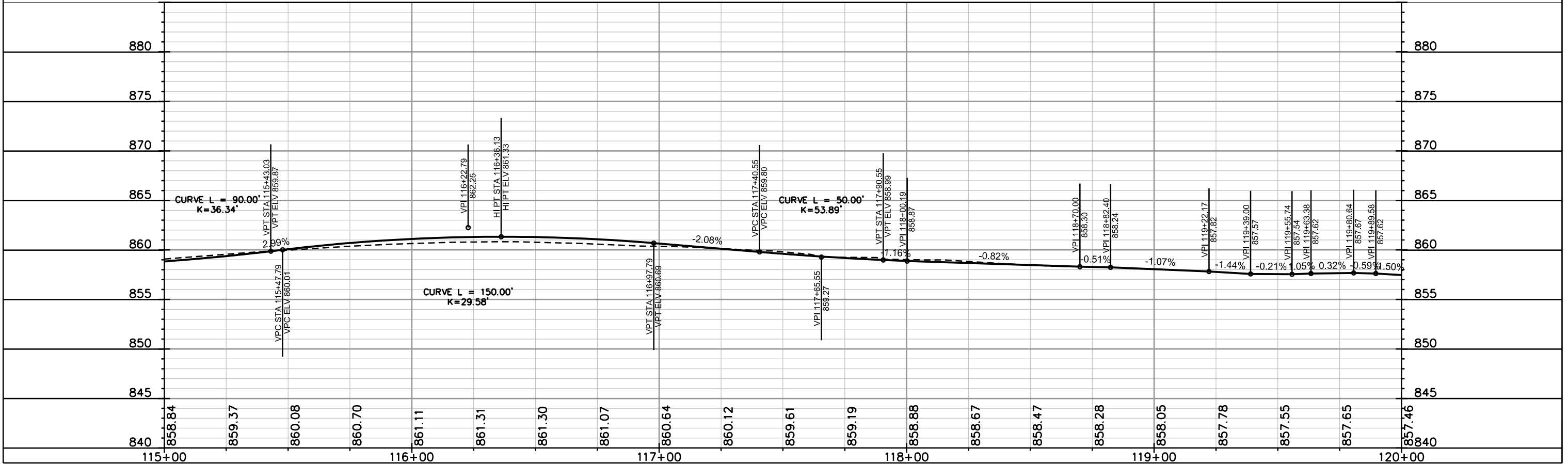
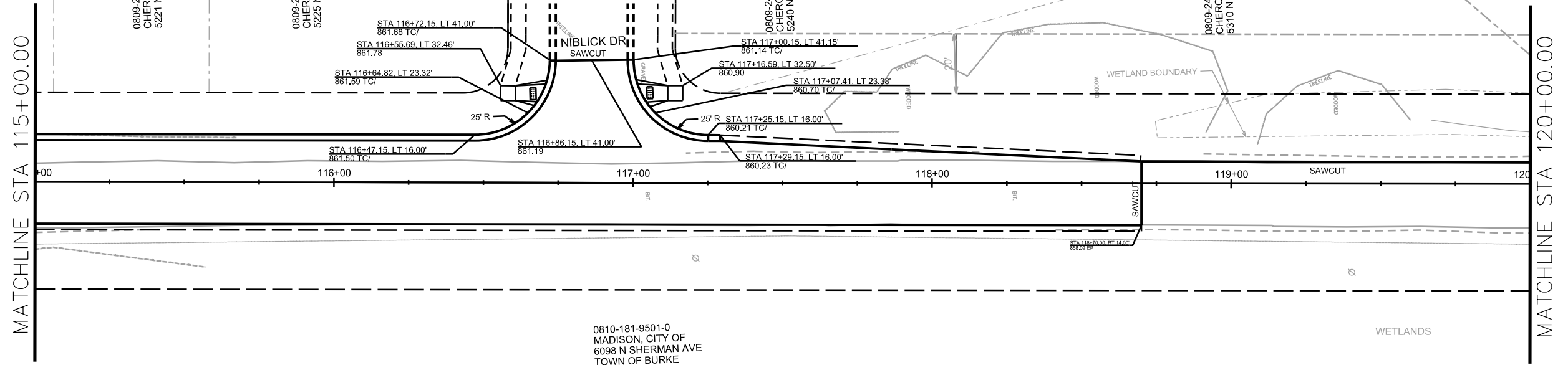
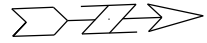
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

N SHERMAN AVE CITY OF MADISON

REV 7/29/16 LKH



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

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

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

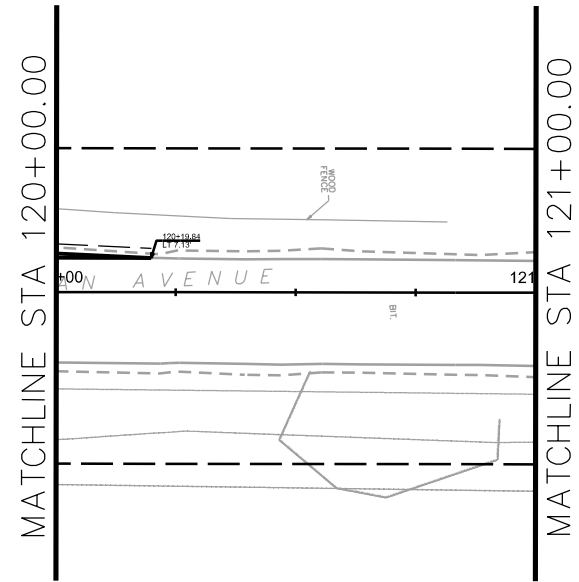
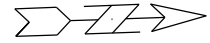
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE

N SHERMAN AVE

CITY OF MADISON

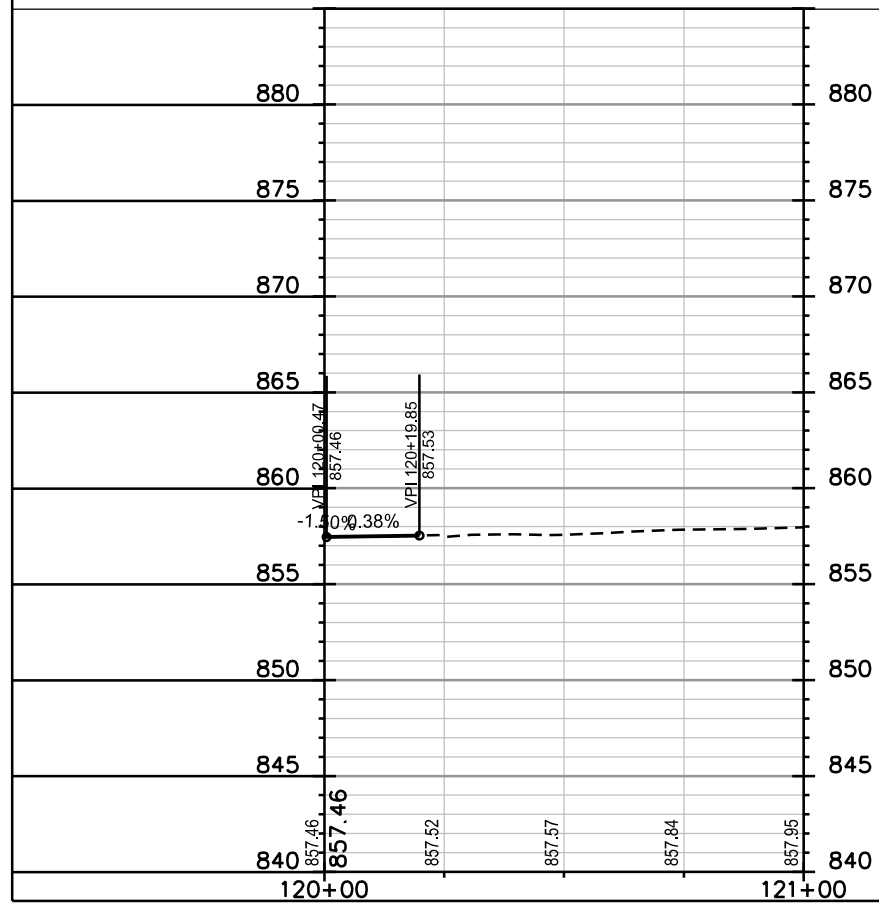


PLOT SCALE: \_\_\_\_\_

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

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

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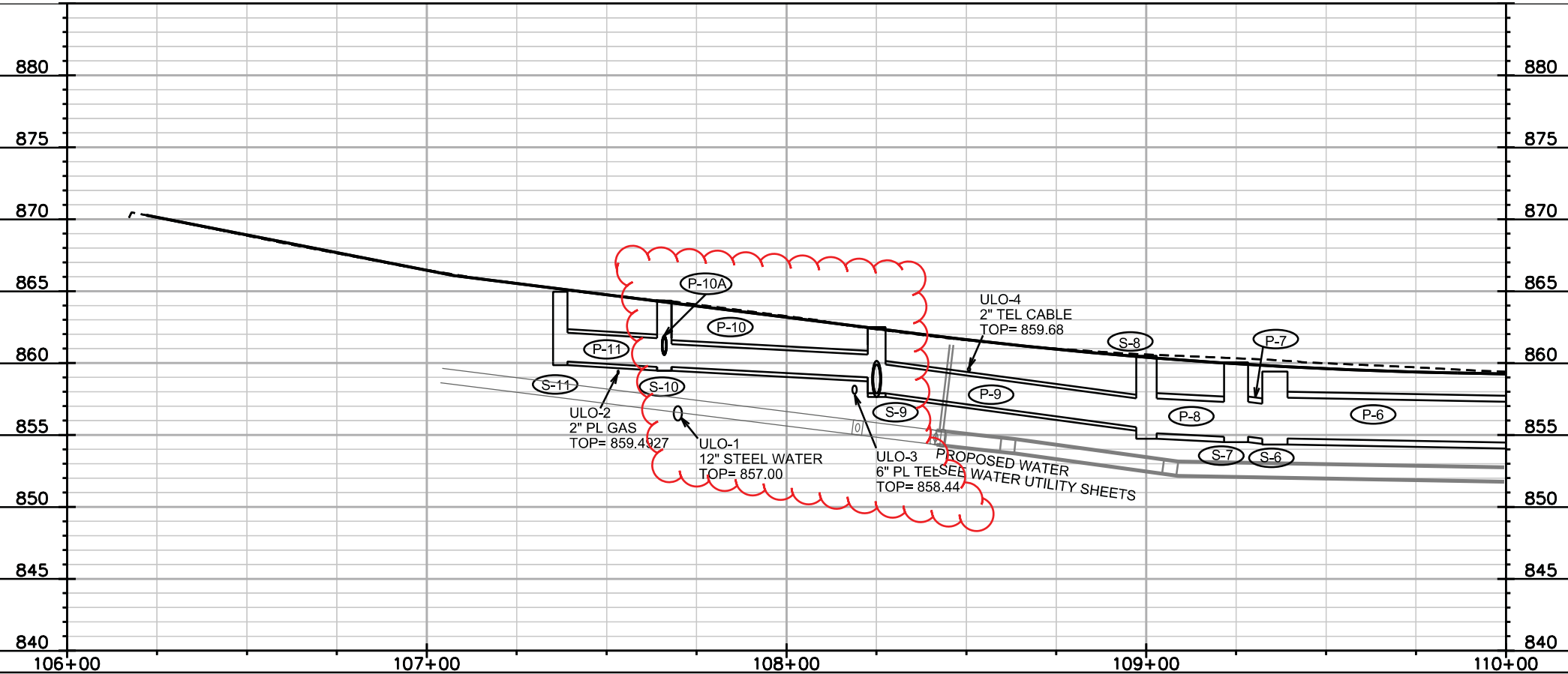
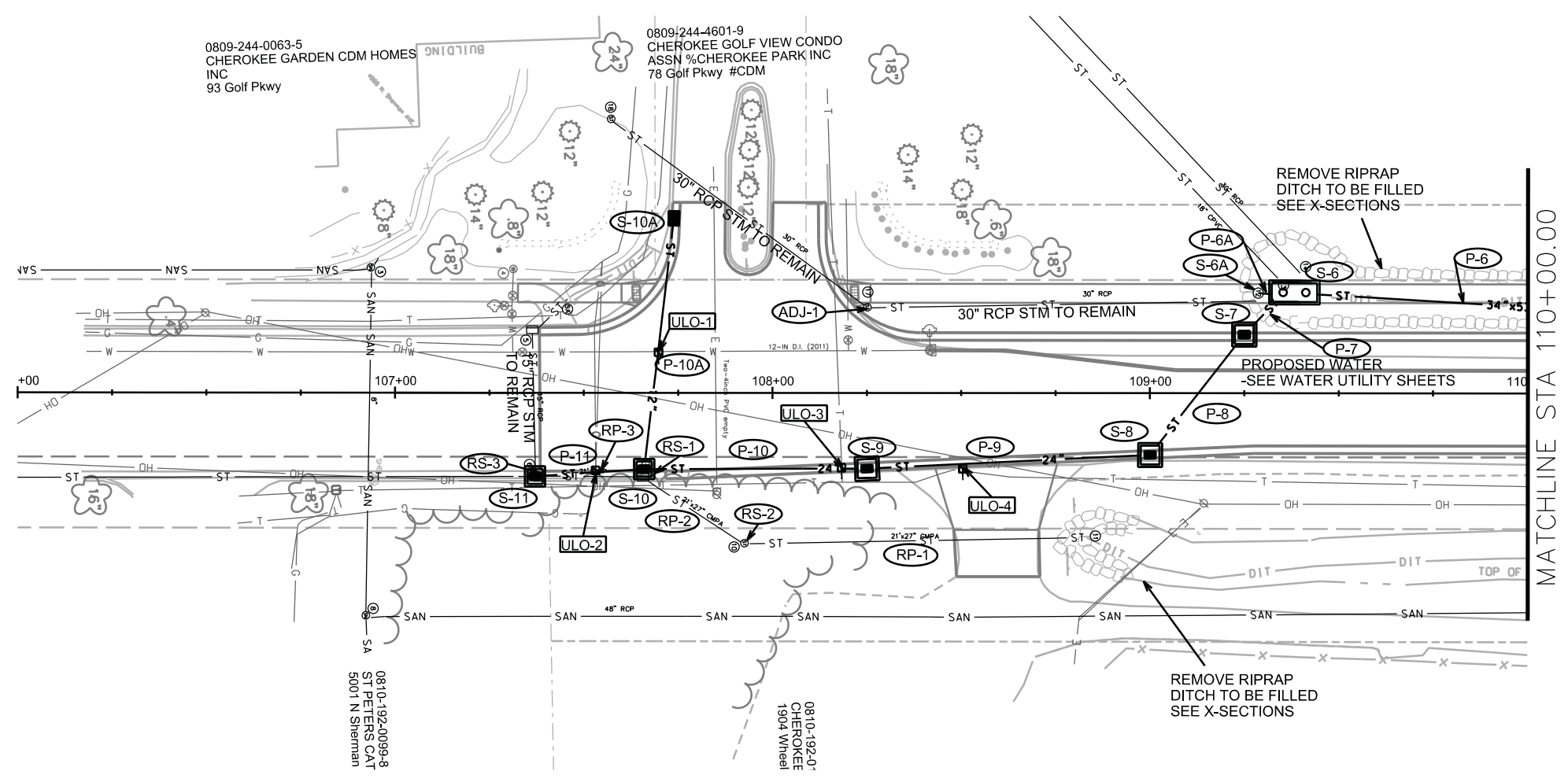


0809-244-0063-5  
CHEROKEE GARDEN CDM HOMES  
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93 Golf Pkwy

0809-244-4601-9  
CHEROKEE GOLF VIEW CONDO  
ASSN %CHEROKEE PARK INC  
78 Golf Pkwy #CDM

0810-192-0099-8  
ST PETERS CAT  
500T N Sherman

0810-192-01  
CHEROKEE  
1904 Wheel



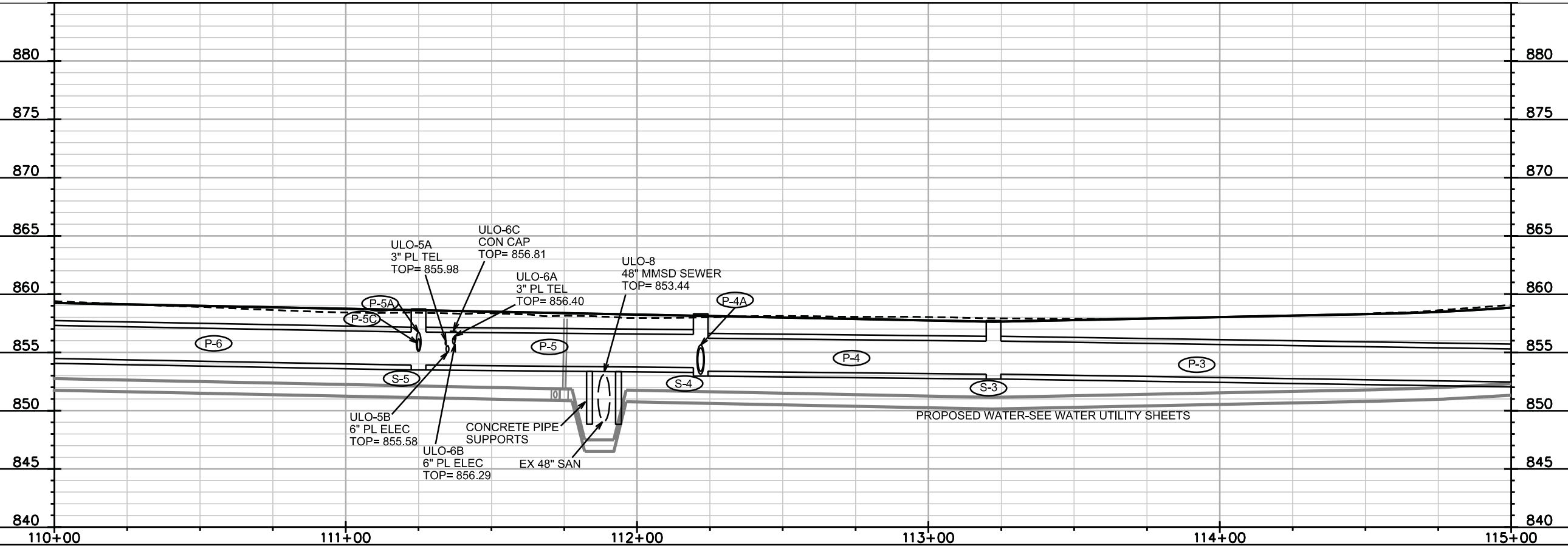
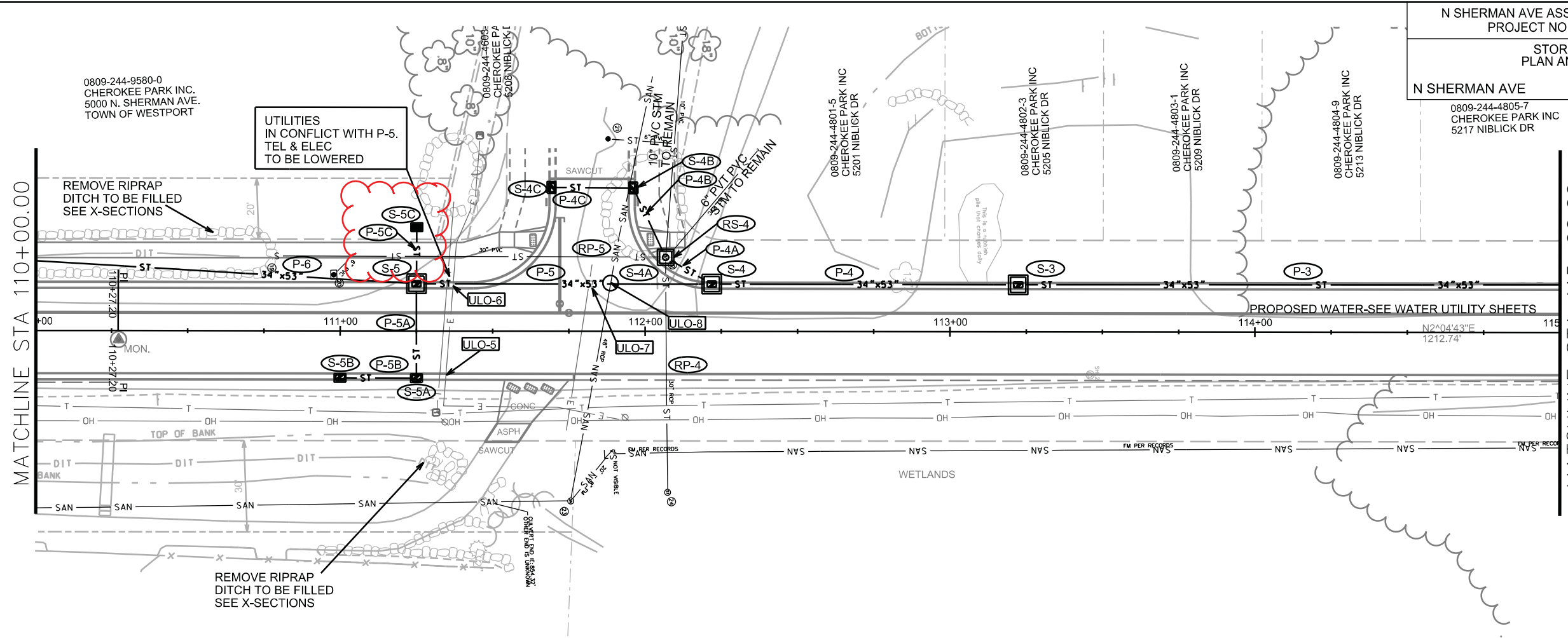
PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

\* REVISED 8/1/16 GTF  
\* REVISED 8/8/16 GTF  
\* REVISED 8/25/16 GTF  
\* REVISED 9/26/16 GTF



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

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

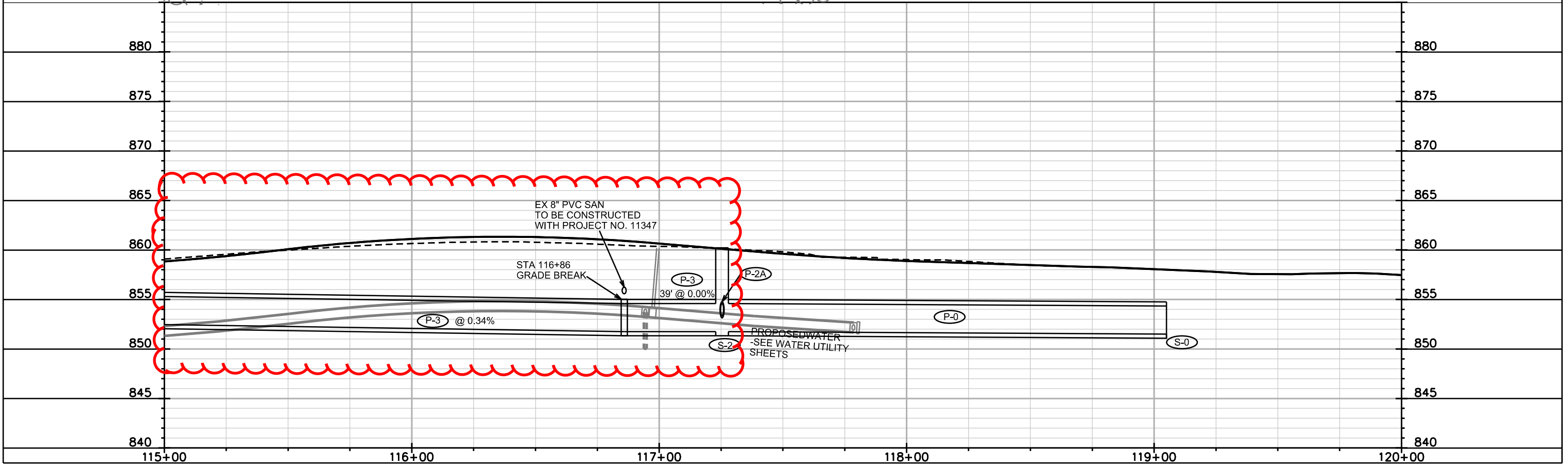
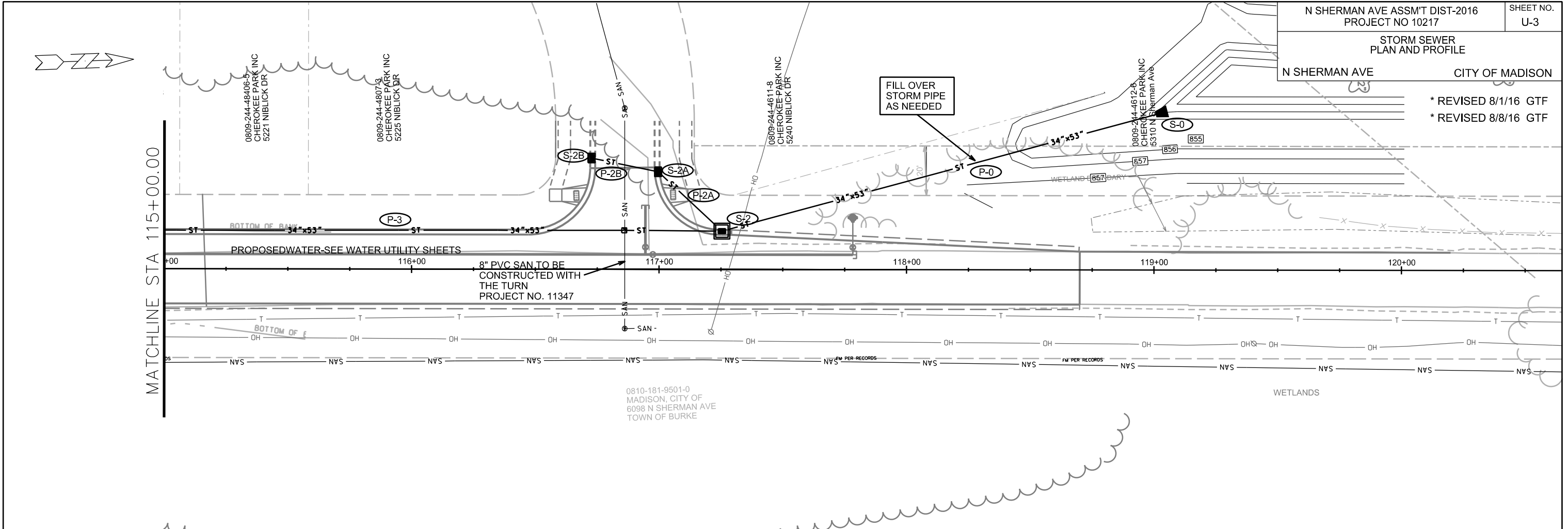
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER  
PLAN AND PROFILE

N SHERMAN AVE CITY OF MADISON

\* REVISED 8/1/16 GTF  
\* REVISED 8/8/16 GTF



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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# STORM SEWER SCHEDULE

\* REVISED 8/1/16 GTF X REVISED 9/26/16 GTF  
 ++ REVISED 8/8/16 GTF  
 \$ REVISED 8/25/16 GTF

N SHERMAN AVE ASSMT DIST-2016 SHEET NO. U-4  
 PROJECT NO. 10217

## STRUCTURES

| STRUC. NO.        | STATION              | LOCATION (OFFSET)   | TYPE               | TOP OF CASTING    | E.I.              | DEPTH           | NOTES                                 |
|-------------------|----------------------|---------------------|--------------------|-------------------|-------------------|-----------------|---------------------------------------|
| ++ S-0            | 119+05.00            | LT-64.00            | 34X53 APRON END    | -                 | 851.50            | -               | W/ GATE; END OF APRON STATIONED       |
| <del>* S-1</del>  | <del>118+25.00</del> | <del>LT-15.50</del> | <del>6X6 SAS</del> | <del>858.77</del> | <del>852.50</del> | <del>6.18</del> | <del>FP; W/ R-3067-7004-V</del>       |
| <del>* S-1A</del> | <del>118+70.00</del> | <del>LT-15.50</del> | <del>H INLET</del> | <del>858.41</del> | <del>854.87</del> | <del>3.54</del> | <del>FP; W/ R-3067-7004-V</del>       |
| ++ S-2            | 117+25.15            | LT-15.50            | 6X6 SAS            | 860.21            | 851.75            | 8.46            | FP; W/ R-3067-7004-V                  |
| S-2A              | 116+99.50            | LT-41.15            | H INLET            | 861.12            | 855.76            | 5.36            | W/ R-3067-7004-V                      |
| S-2B              | 116+72.64            | LT-44.85            | H INLET            | 861.74            | 857.13            | 4.61            | LP; W/ R-3067-7004-VB                 |
| S-3               | 113+22.38            | LT-15.50            | 6X6 SAS            | 857.72            | 853.13            | 4.59            | LP; FP; W/ R-3067-7004-VB             |
| S-4               | 112+21.58            | LT-15.50            | 6X6 SAS            | 858.31            | 853.38            | 4.93            | FP; W/ R-3067-7004-V; PIPE INTO ROOF  |
| S-4A              | 112+06.70            | LT-24.33            | 4X4 SAS            | 857.26            | 853.47            | 3.79            | (2); W/ R-1550-0054                   |
| S-4B              | 111+96.08            | LT-47.00            | H INLET            | 857.97            | 854.42            | 3.55            | (5); W/ R-3067-7004-VB                |
| S-4C              | 111+69.24            | LT-47.16            | H INLET            | 857.97            | 854.94            | 3.03            | (5); W/ LP; R-3067-7004-VB            |
| S-5               | 111+25.00            | LT-15.50            | 6X6 SAS            | 858.72            | 853.90            | 4.82            | FP; W/ R-3067-7004-V; PIPE INTO ROOF  |
| S-5A              | 111+25.00            | RT-15.50            | H INLET            | 858.72            | 855.35            | 3.37            | W/ R-3067-7004-V                      |
| \$ S-5B           | 111+00.00            | RT-15.50            | H INLET            | 858.84            | 855.73            | 3.11            | W/ R-3067-7004-V                      |
| X S-5C            | 111+25.00            | LT-33.72            | H INLET            | 857.36            | 855.16            | 2.20            | FP; W/ R-1878-B7G                     |
| S-6               | 109+42.00            | LT-24.00            | 12X5 SAS           | 859.41            | 854.75            | 4.66            | (1); (4); FP; W/ 2-R-1550-0054        |
| S-6A              | 109+29.00            | LT-26.83            | EX 30" PIPE END    | -                 | 855.13            | -               | (3)                                   |
| S-7               | 109+25.00            | LT-15.50            | 5X5 SAS            | 860.05            | 854.87            | 5.18            | FP; W/ R-3067-7004-V                  |
| S-8               | 109+00.00            | RT-16.39            | 5X5 SAS            | 860.50            | 855.11            | 5.39            | FP; W/ R-3067-7004-V                  |
| S-9               | 108+25.00            | RT-15.50            | 5X5 SAS            | 862.49            | 857.89            | 4.60            | W/ R-3067-7004-V                      |
| S-10              | 107+66.00            | RT-15.50            | 4X4 SAS            | 864.33            | 859.73            | 4.60            | W/ R-3067-7004-V                      |
| S-10A             | 107+73.81            | LT-46.00            | H INLET            | 864.30            | 861.30            | 3.00            | LP; W/ R-3067-7004-VB                 |
| S-11              | 107+37.00            | RT-22.50            | 4X4 SAS            | 864.95            | 860.10            | 4.85            | W/ R-3067-7004-V; RECONNECT ALL PIPES |

## STORM SEWER STRUCTURE REMOVALS

| STRUC. REMOVAL NO. | STRUC. ID NO. | STATION   | LOCATION (OFFSET) | TYPE                 | NOTES |
|--------------------|---------------|-----------|-------------------|----------------------|-------|
| RS-1               | IN 5519-004   | 107+66.00 | RT-15.50          | 4X4 SAS W/ H CASTING | -     |
| RS-2               | AS 5519-005   | 107+92.45 | RT-39.50          | 4X4 SAS              | -     |
| RS-3               | IN 5519-001   | 107+37.00 | RT-22.50          | H INLET              | -     |
| RS-4               | PVT STRUCTURE | 112+06.75 | LT-24.20          | SAS                  | -     |

## ADJUST STRUCTURES

| STRUCTURE ID NO. | STATION   | LOCATION (OFFSET) | EX. TC | PROP. TC | EX. ADJ (IN) | NOTES |
|------------------|-----------|-------------------|--------|----------|--------------|-------|
| ADJ-1            | 108+25.18 | LT-22.80          | 861.90 |          |              |       |

## ULO

| ULO ID NO. | STATION   | LOCATION | TYPE     | NOTES   |
|------------|-----------|----------|----------|---|
| *\$ ULO-1  | 107+70.00 | LT-11.00 | WATER    | TOP 12" ST = 857.00, OK, BELOW STORM  |
| *\$ ULO-2  | 107+53.34 | RT-20.65 | GAS      | TOP 2" PL = 859.49, OK, BELOW STORM   |
| *\$ ULO-3  | 108+18.41 | RT-20.25 | T        | 6" PL TOP= 858.44, IN CONFLICT WITH P-10, STORM REVISED                                   |
| *\$ ULO-4  | 108+50.73 | RT-20.27 | T        | TOP 2" TEL CABLE = 859.68, OK, ABOVE STORM  |
| *\$ ULO-5  | 111+34.43 | RT-15.48 | E & T    | 3" PL TEL TOP= 855.98 & 6" PL ELEC TOP= 855.58; IN CONFLICT WITH P-5B, STORM REVISED      |
| *\$ ULO-6  | 111+37.16 | LT-15.27 | E & T    | 3" PL TEL TOP= 856.40 & 6" PL ELEC TOP = 856.29; IN CONFLICT WITH P-5; UTILITIES TO LOWER |
| *\$ ULO-7  | 111+81.69 | LT-15.70 | E        | NO ULO, NO UTILITY MARKED IN FIELD  |
| *\$ ULO-8  | 111+88.94 | LT-15.60 | MMSD SAN | 48" SEWER TOP= 853.44, OK, STORM ABOVE  |

## SPECIFIC NOTES

- (1) PIPE INTO ROOF, RECONNECT ALL PIPES
- (2) RECONNECT TWO PRIVATE PIPES FROM RS-4
- (3) REMOVE RIPRAP AS NEEDED; CONCRETE COLLAR
- (4) WITH 3' SUMP BELOW LISTED E.I.
- (5) TAP 2" PVC PIPE INTO THE FRONT OF THE INLET AND ELBOW PIPE UP TO THE TOP OF BINDER LATER. PIPE SHALL SURFACE IN FRONT OF THE CURB.
- ++ (6) LAY P-3 @ 0.00% UNTIL SANITARY AT STA 116+86 IS CROSSED, THEN BREAK GRADE TO 0.34% FOR REMAINING RUN TO S-3. CONCRETE COLLAR IS REQUIRED.

## PIPES

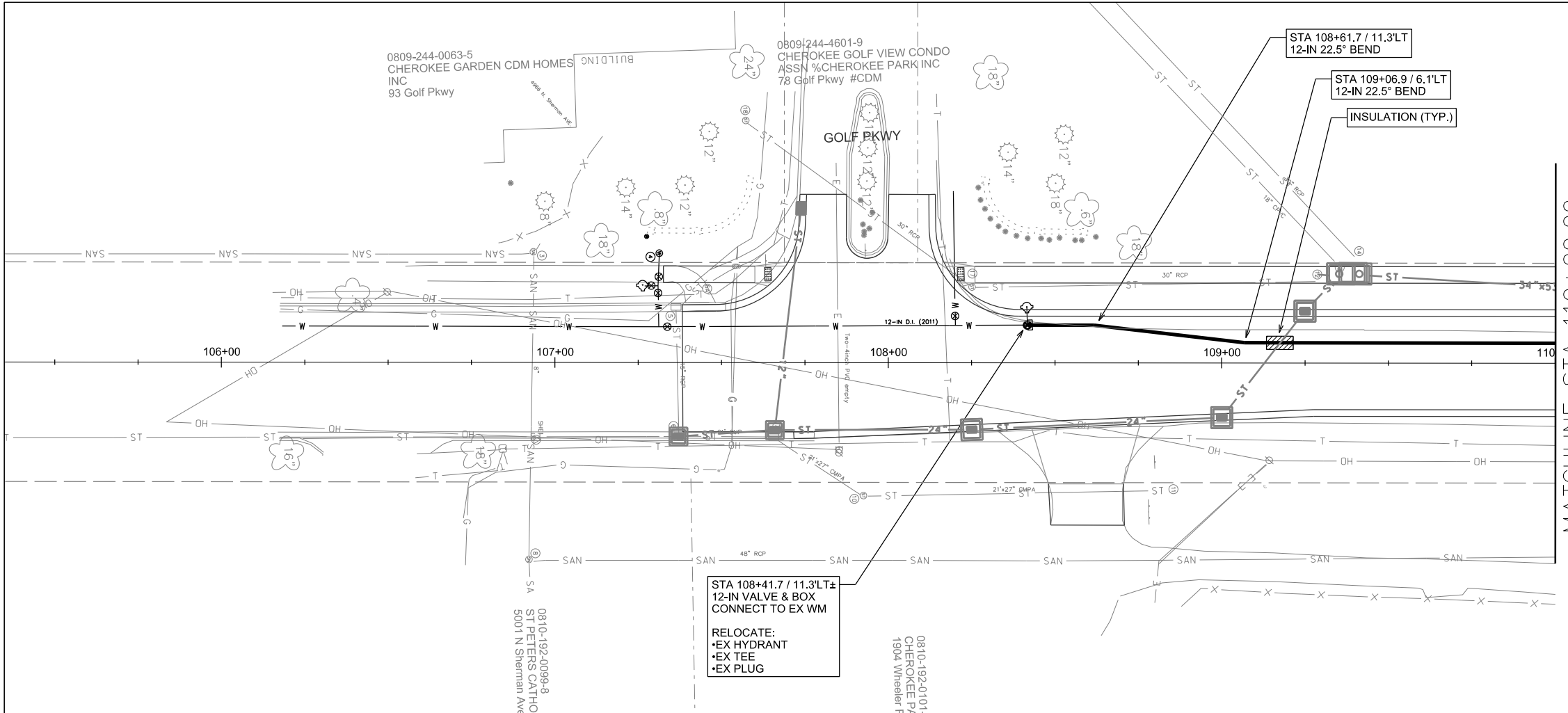
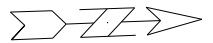
| PIPE NO.         | FROM (DNSTM)   | TO (UPSTM)      | LGTH (FT)      | DISCH. E.I.       | INLET E.I.        | SLOPE (%)        | PIPE SIZE          | TYPE              | NOTES        |
|------------------|----------------|-----------------|----------------|-------------------|-------------------|------------------|--------------------|-------------------|--------------|
| * ++ P-0         | S-0            | S-2             | 186            | 851.50            | 851.75            | 0.13%            | 34"X53"            | TYPE 1            | -            |
| <del>* P-1</del> | <del>S-1</del> | <del>S-1A</del> | <del>45</del>  | <del>854.42</del> | <del>854.87</del> | <del>1.00%</del> | <del>12"</del>     | <del>TYPE 2</del> | <del>-</del> |
| <del>* P-2</del> | <del>S-1</del> | <del>S-2</del>  | <del>145</del> | <del>852.59</del> | <del>852.74</del> | <del>0.10%</del> | <del>34"X53"</del> | <del>TYPE 1</del> | <del>-</del> |
| ++ P-2A          | S-2            | S-2A            | 36             | 853.33            | 855.76            | 6.75%            | 15"                | TYPE 2            | -            |
| P-2B             | S-2A           | S-2B            | 28             | 856.01            | 857.13            | 4.00%            | 12"                | TYPE 2            | -            |
| ++ P-3           | S-2            | S-3             | 402.70         | 851.75            | 853.13            | 0.34%            | 34"X53"            | TYPE 1            | (6)          |
| P-4              | S-3            | S-4             | 100.80         | 853.13            | 853.38            | 0.25%            | 34"X53"            | TYPE 1            | -            |
| P-4A             | S-4            | S-4A            | 17.5           | 853.38            | 853.47            | 0.51%            | 24"                | TYPE 2            | NCM          |
| P-4B             | S-4A           | S-4B            | 25             | 854.22            | 854.42            | 0.80%            | 15"                | TYPE 2            | -            |
| P-4C             | S-4B           | S-4C            | 27             | 854.67            | 854.94            | 1.00%            | 12"                | TYPE 2            | -            |
| P-5              | S-4            | S-5             | 96.60          | 853.70            | 853.90            | 0.21%            | 34"X53"            | TYPE 1            | NCM          |
| P-5A             | S-5            | S-5A            | 30             | 855.20            | 855.35            | 0.50%            | 15"                | TYPE 2            | NCM          |
| P-5B             | S-5A           | S-5B            | 25             | 855.60            | 855.73            | 0.52%            | 12"                | TYPE 2            | -            |
| X P-5C           | S-5            | S-5C            | 19             | 855.06            | 855.16            | 0.53%            | 12"                | TYPE 1            | NCM          |
| P-6              | S-5            | S-6             | 183            | 853.90            | 854.75            | 0.46%            | 34"X53"            | TYPE 1            | -            |
| P-6A             | S-6            | S-6A            | 7              | 854.75            | 855.13            | 5.43%            | 30"                | TYPE 2            | -            |
| P-7              | S-6            | S-7             | 20             | 854.75            | 854.87            | 0.60%            | 29"X45"            | TYPE 1            | -            |
| P-8              | S-7            | S-8             | 40             | 854.87            | 855.11            | 0.60%            | 29"X45"            | TYPE 1            | -            |
| P-9              | S-8            | S-9             | 75             | 855.53            | 857.89            | 3.15%            | 24"                | TYPE 2            | -            |
| \$ P-10          | S-9            | S-10            | 59             | 859.00            | 859.73            | 1.24%            | 19"X30"            | TYPE 2            | -            |
| P-10A            | S-10           | S-10A           | 69             | 860.73            | 861.30            | 0.83%            | 12"                | TYPE 2            | -            |
| P-11             | S-10           | S-11            | 36.80          | 859.73            | 860.10            | 1.01%            | 24"                | TYPE 2            | -            |

## STORM SEWER PIPE REMOVALS

| PIPE REMOVAL NO. | REMOVE FROM | REMOVE TO          | LENGTH (FT) | PAID (Y/N) | SIZE    | TYPE | NOTES |
|------------------|-------------|--------------------|-------------|------------|---------|------|-------|
| RP-1             | RS-2        | 108+85.40 RT-37.68 | 93          | Y          | 21"X27" | CMPA | -     |
| RP-2             | RS-1        | RS-2               | 32          | Y          | 21"X27" | CMPA | -     |
| RP-3             | RS-1        | RS-3               | 29          | Y          | 21"     | CMP  | -     |
| RP-4             | RS-4        | 112+07.61 RT-52.71 | 77          | Y          | 30"     | RCP  | -     |
| RP-5             | RS-4        | 110+79.00 LT-25.19 | 129         | Y          | 30"     | PVC  | -     |
| RP-5             | RS-4        | 110+79.00 LT-25.19 | 129         | Y          | 30"     | PVC  | -     |

## 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 GREG T. FRIES OF CITY ENGINEERING AT (608) 267-1199 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.



MATCHLINE STA 110+00.00

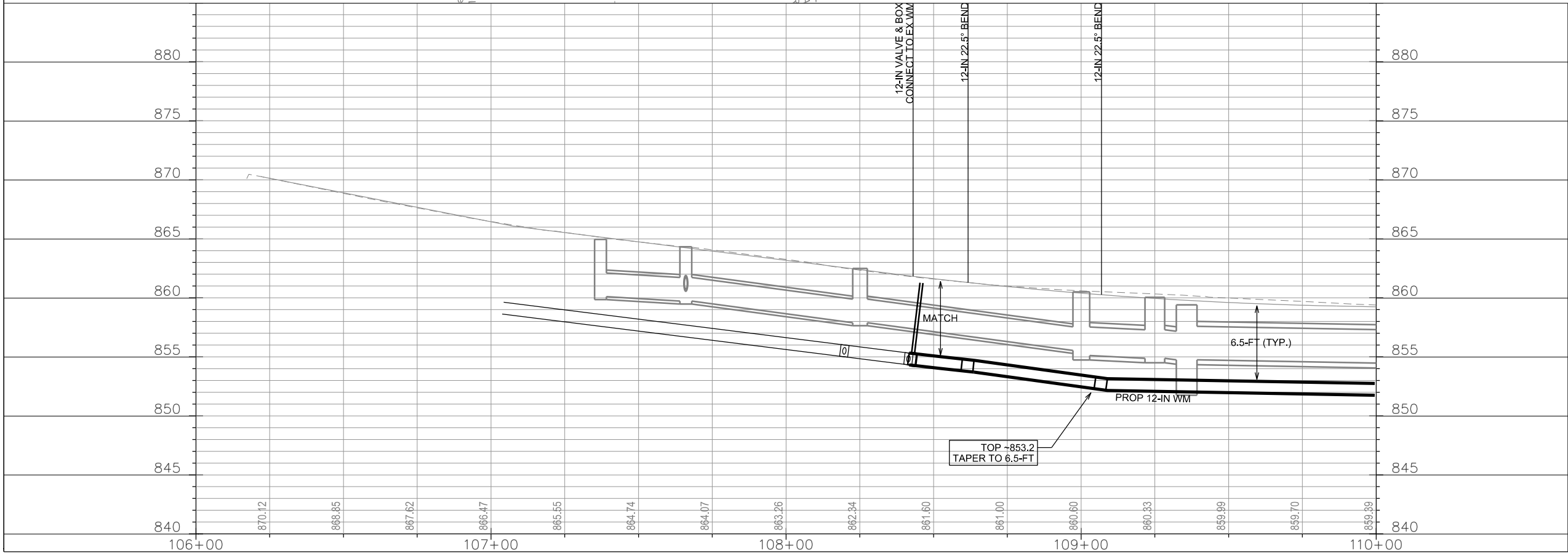
STA 108+41.7 / 11.3'LT  
12-IN VALVE & BOX  
CONNECT TO EX WM

RELOCATE:  
• EX HYDRANT  
• EX TEE  
• EX PLUG

STA 108+61.7 / 11.3'LT  
12-IN 22.5° BEND

STA 109+06.9 / 6.1'LT  
12-IN 22.5° BEND

INSULATION (TYP.)



12-IN VALVE & BOX  
CONNECT TO EX WM

12-IN 22.5° BEND

12-IN 22.5° BEND

MATCH

6.5-FT (TYP.)

PROP 12-IN WM

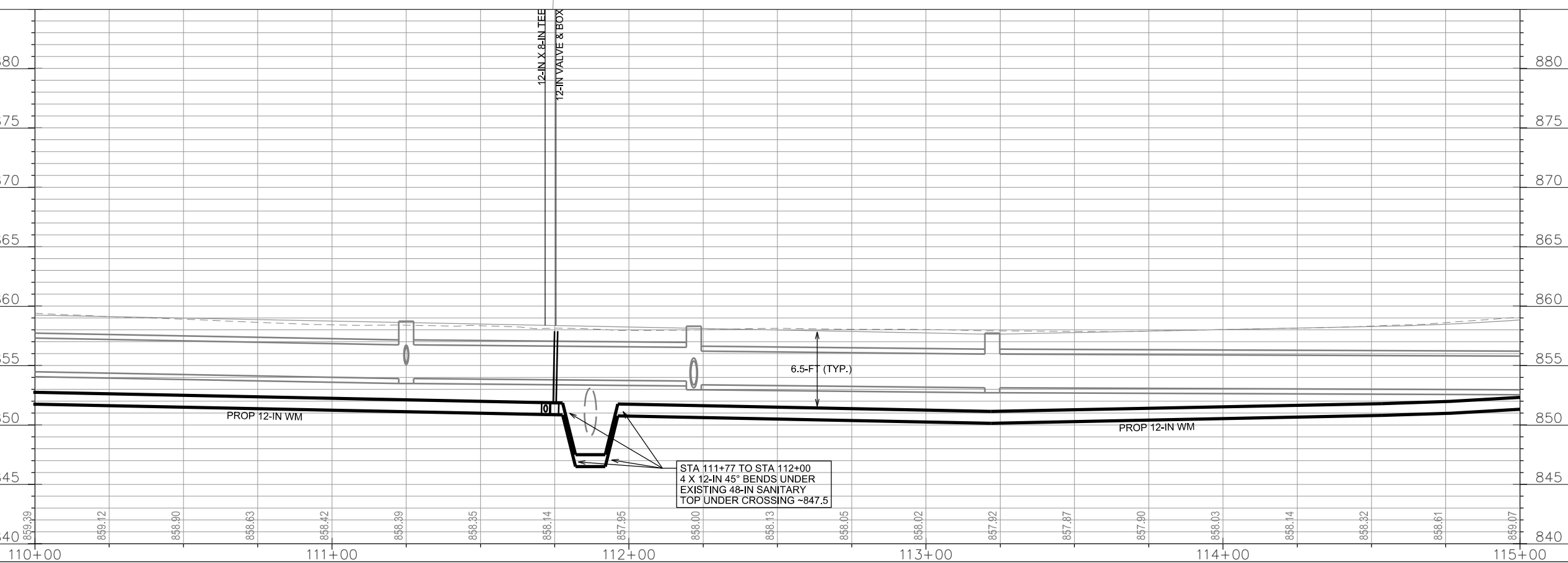
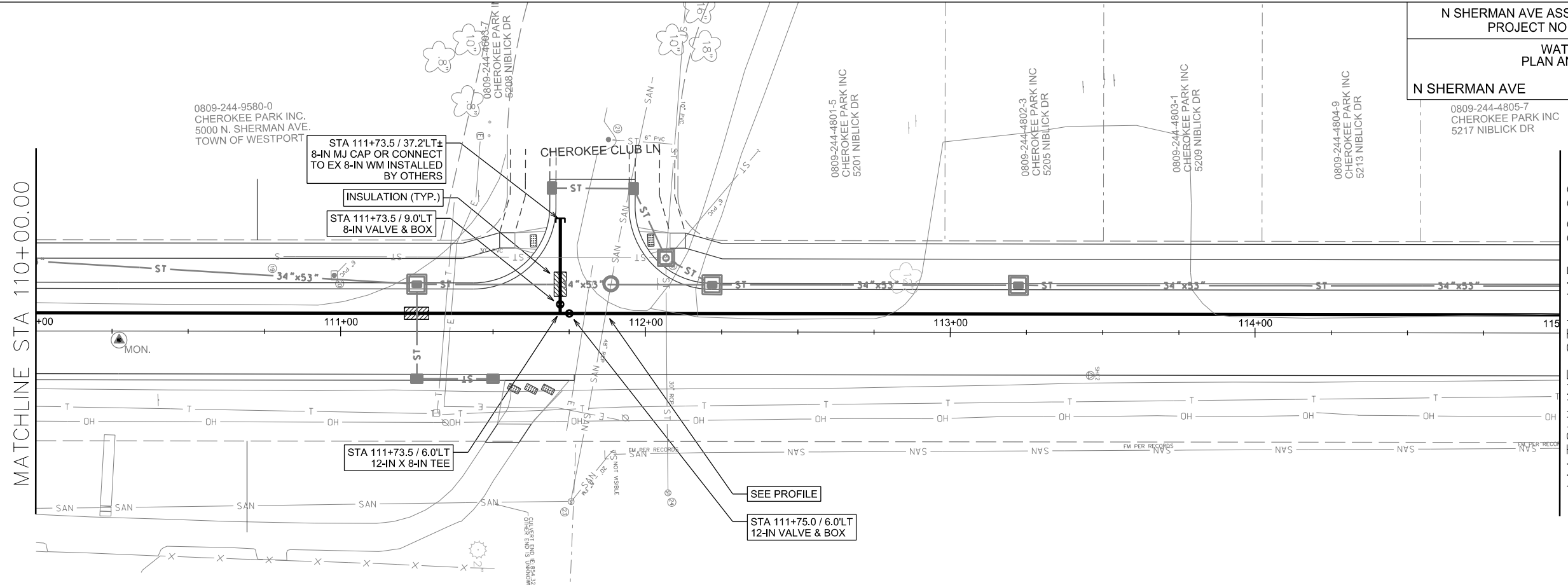
TOP =853.2  
TAPER TO 6.5-FT

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

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

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

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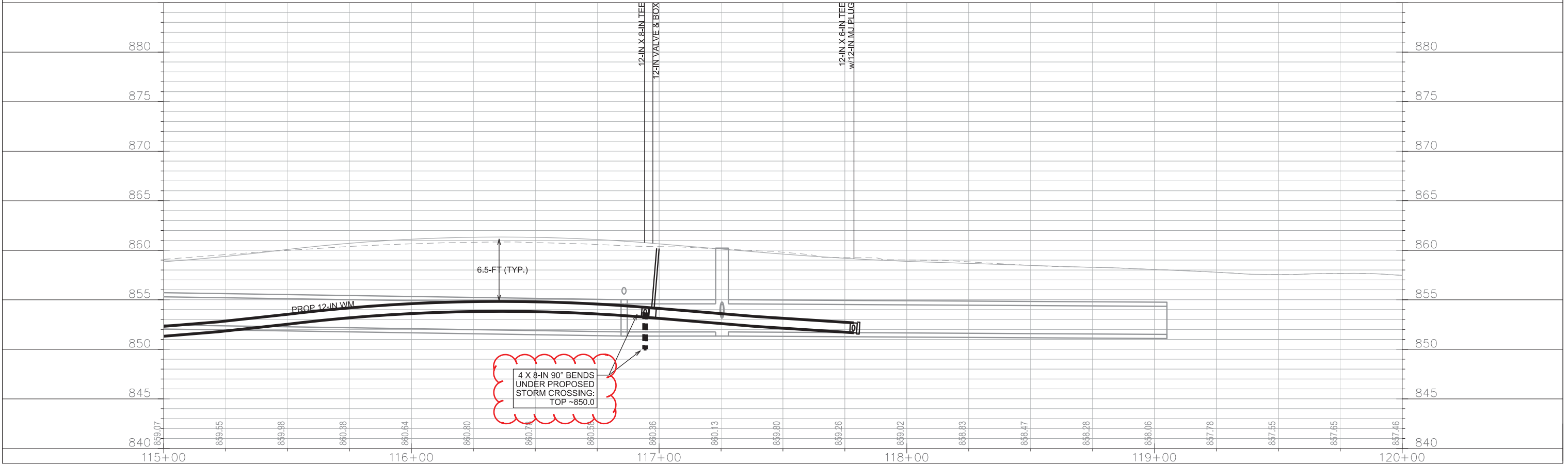
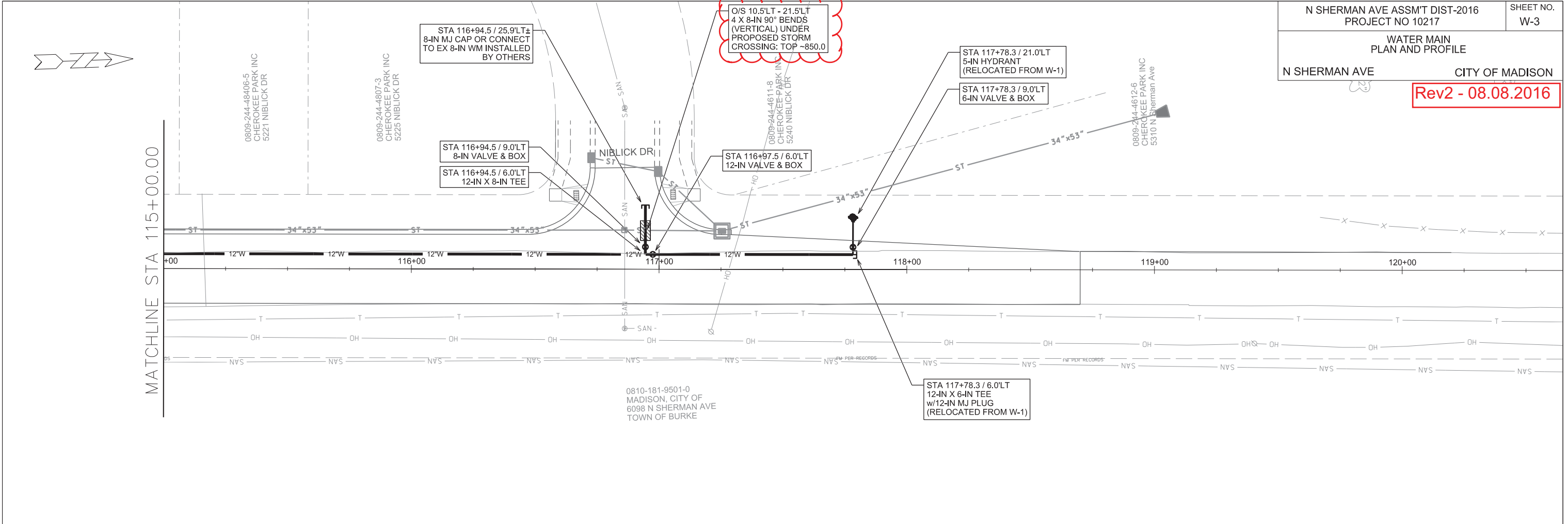
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REV. DATE: \_\_\_\_\_

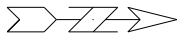
ORIGINATOR: CITY OF MADISON, STREETS DIVISION







CONNECT TO EX WM  
ISOLATION VALVES:  
•V-5 •SV-1871  
NOTIFY:  
•SEE SPECIAL PROVISIONS

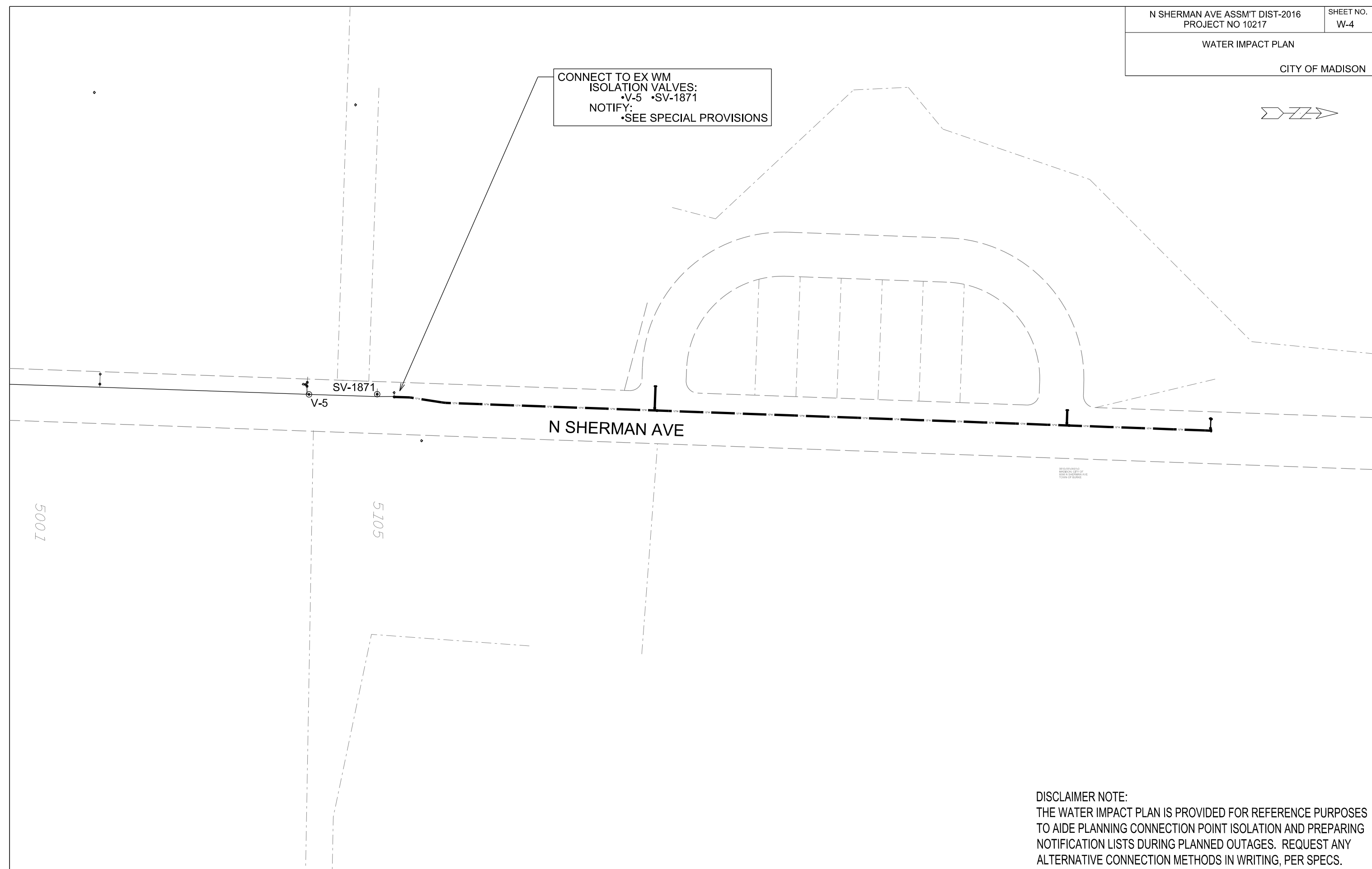


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PLOT NAME: \_\_\_\_\_

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. REQUEST ANY  
ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

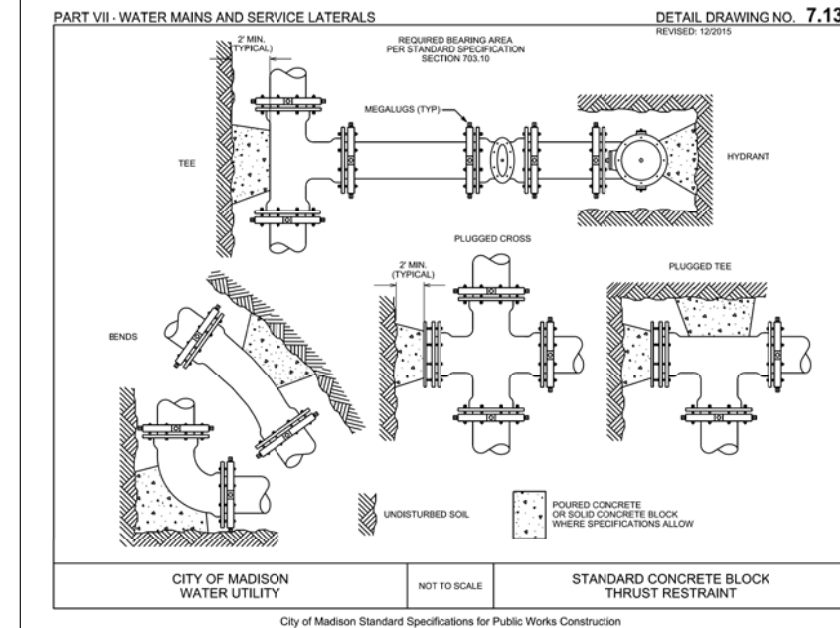
**REV 1 - 08.01.2016**

**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 DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. 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.

 INDICATES INSULATION AT STORM SEWER CROSSING

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER 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.
- 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 PROJECT MATERIALS:**

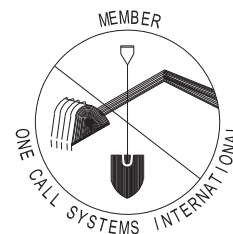
\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.

| CONTRACTOR-FURNISHED MATERIALS | TOTAL |
|--------------------------------|-------|
| 6-IN PIPE (LF)                 | 20    |
| 8-IN PIPE (LF)                 | 60    |
| 12-IN PIPE (LF)                | 960   |
| POLY WRAP                      | 1150  |
| 6-IN VALVES & BOXES            | 1     |
| 8-IN VALVES & BOXES            | 2     |
| 12-IN VALVES & BOXES           | 3     |
| 12-IN X 8-IN TEES              | 2     |
| 8-IN 90° BENDS                 | 4     |
| 12-IN 22.5° BENDS              | 2     |
| 12-IN 45° BENDS                | 4     |
| 8-IN MJ CAPS                   | 2     |
| 2-IN INSULATION BOARDING (LF)  | 40    |

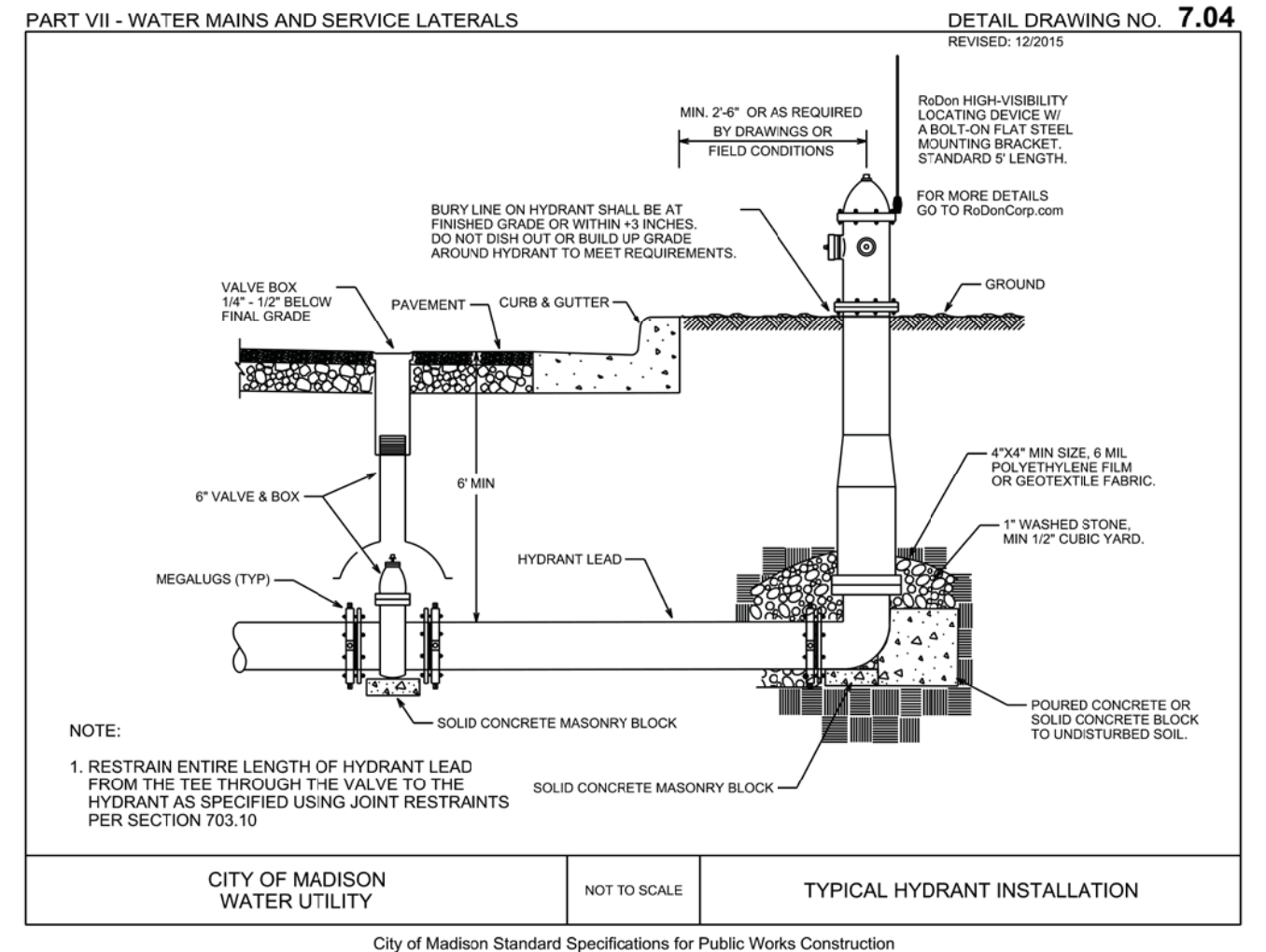
| REUSED MATERIALS  | TOTAL |
|-------------------|-------|
| 12-IN X 6-IN TEES | 1     |
| 12-IN MJ PLUGS    | 1     |
| 5-IN HYDRANTS     | 1     |

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.



CROSS SECTIONS

N SHERMAN AVE CITY OF MADISON

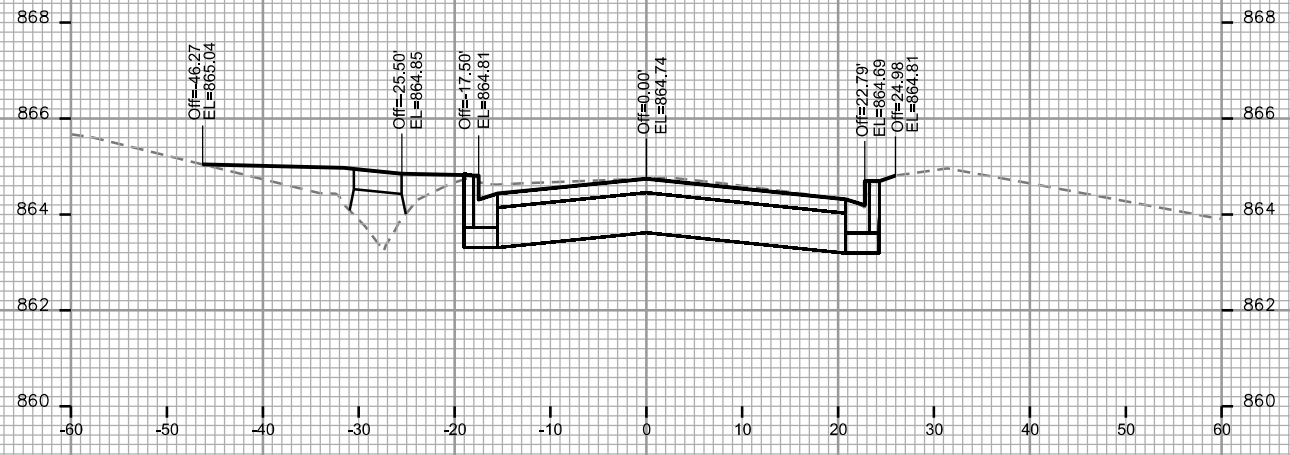
REV 7/29/16 LKH

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

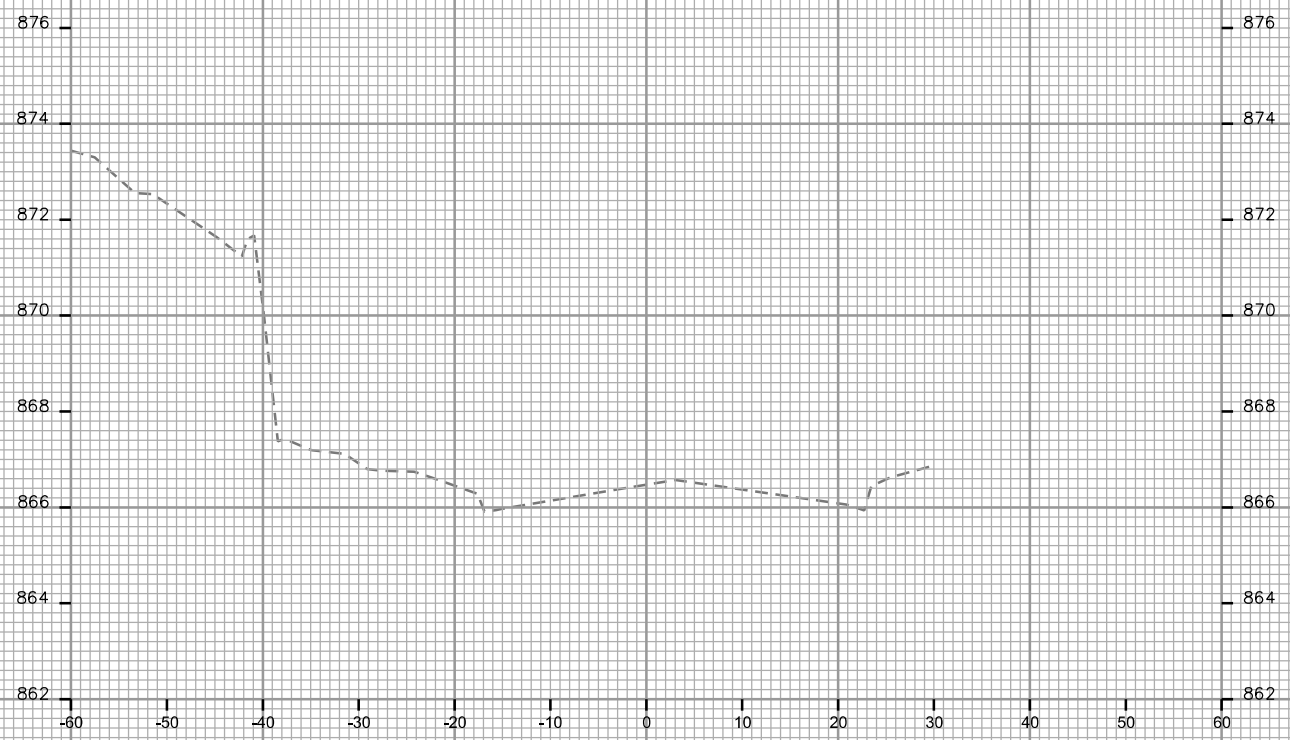
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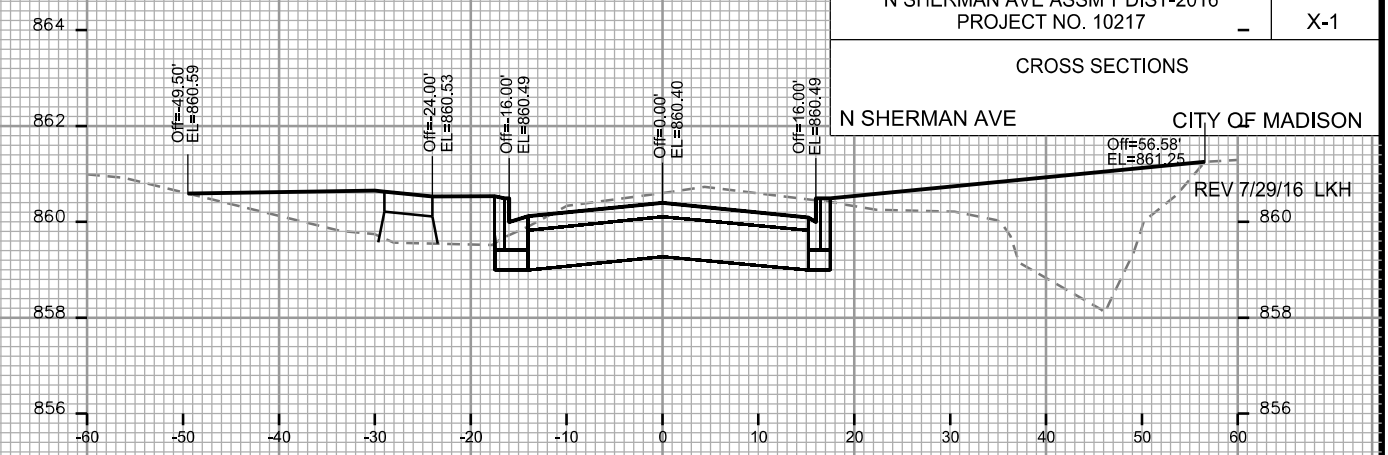
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



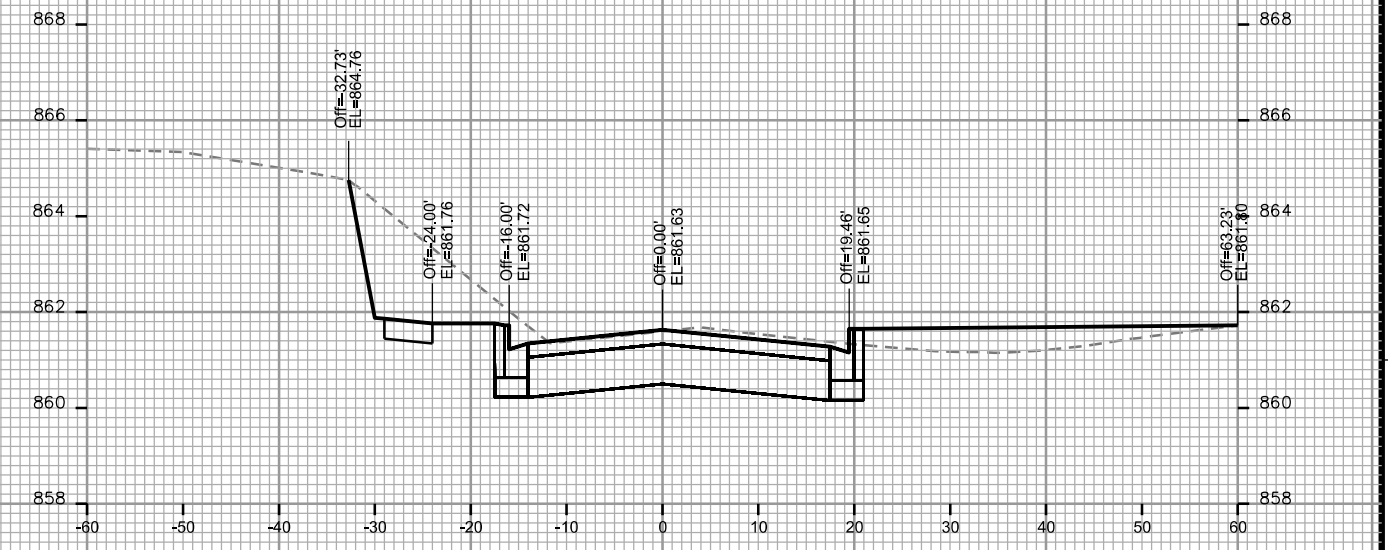
STA. 107+50



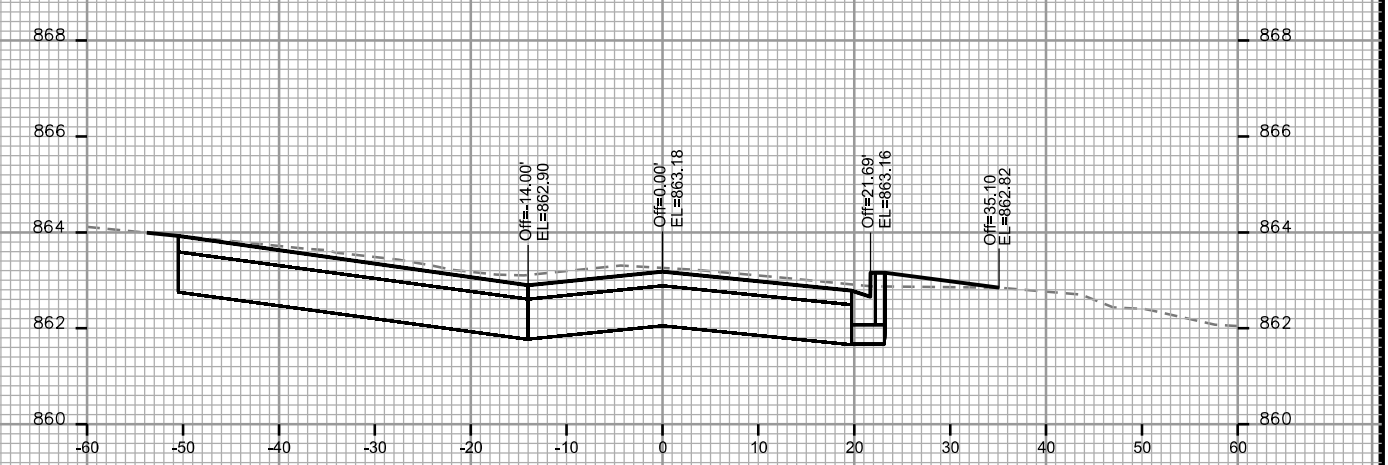
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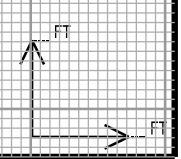
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STA. 108+50



STA. 108+00



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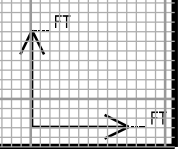
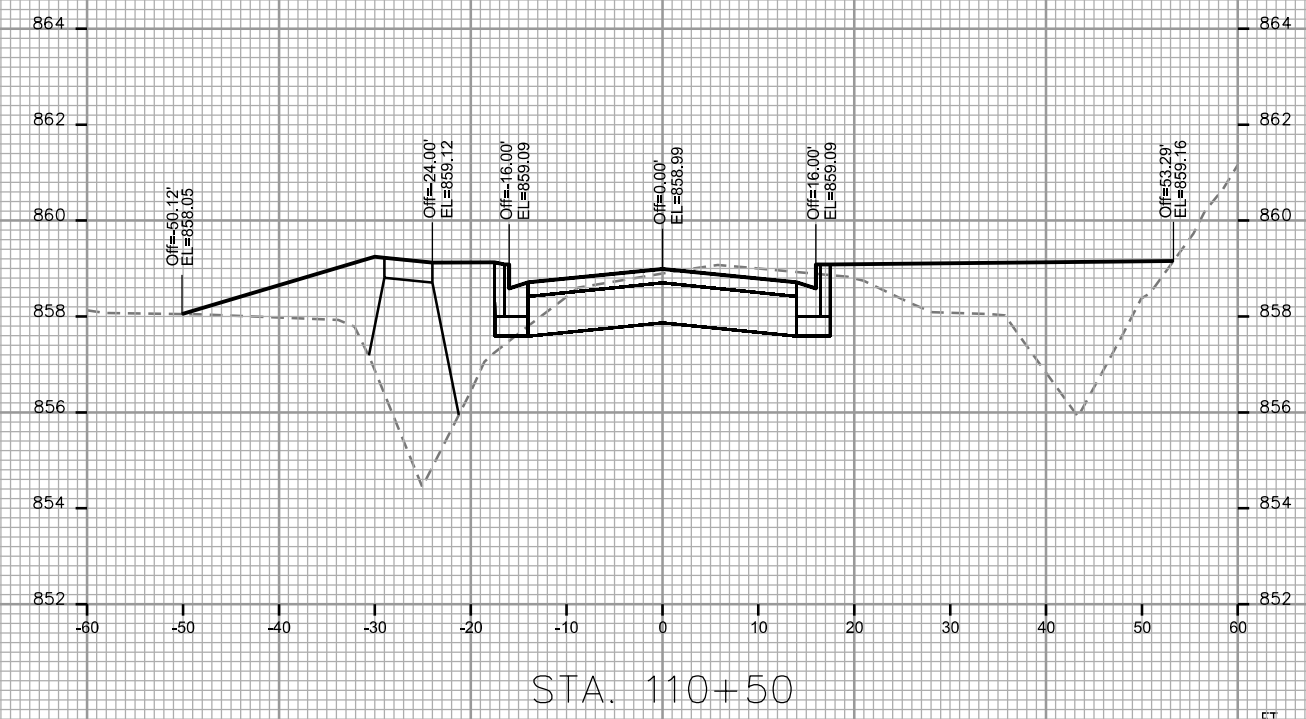
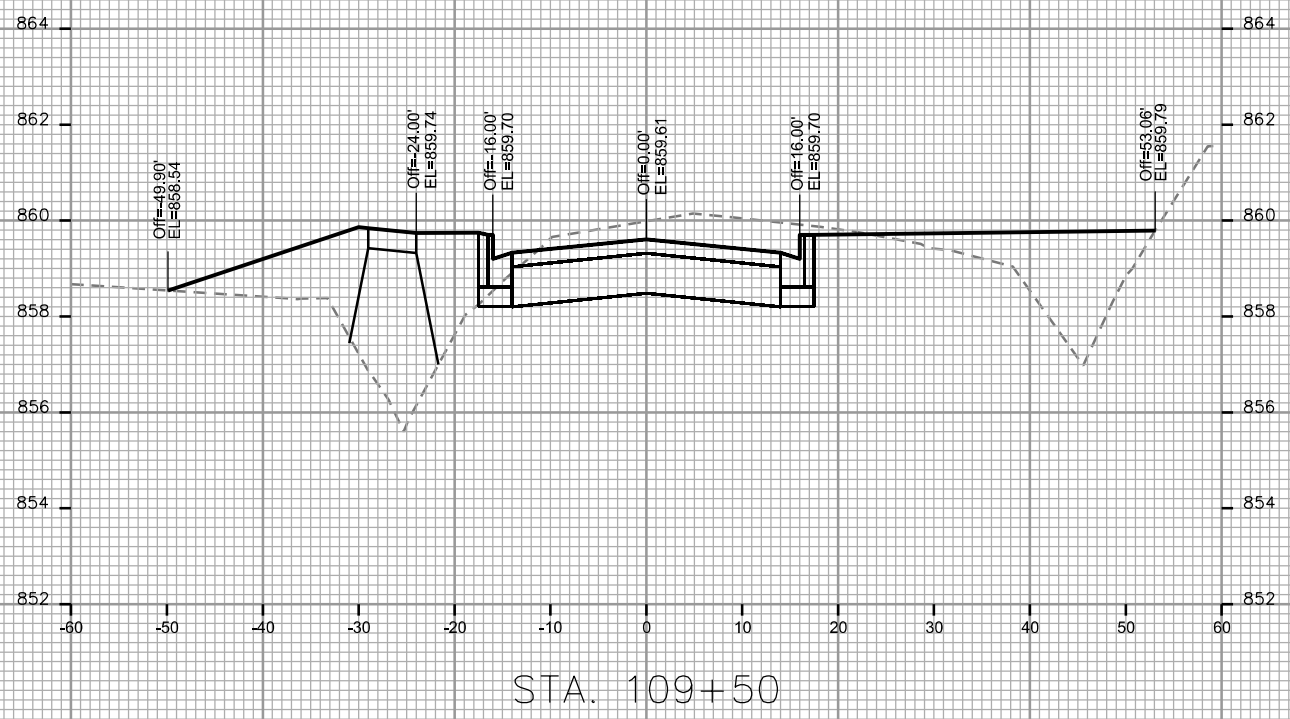
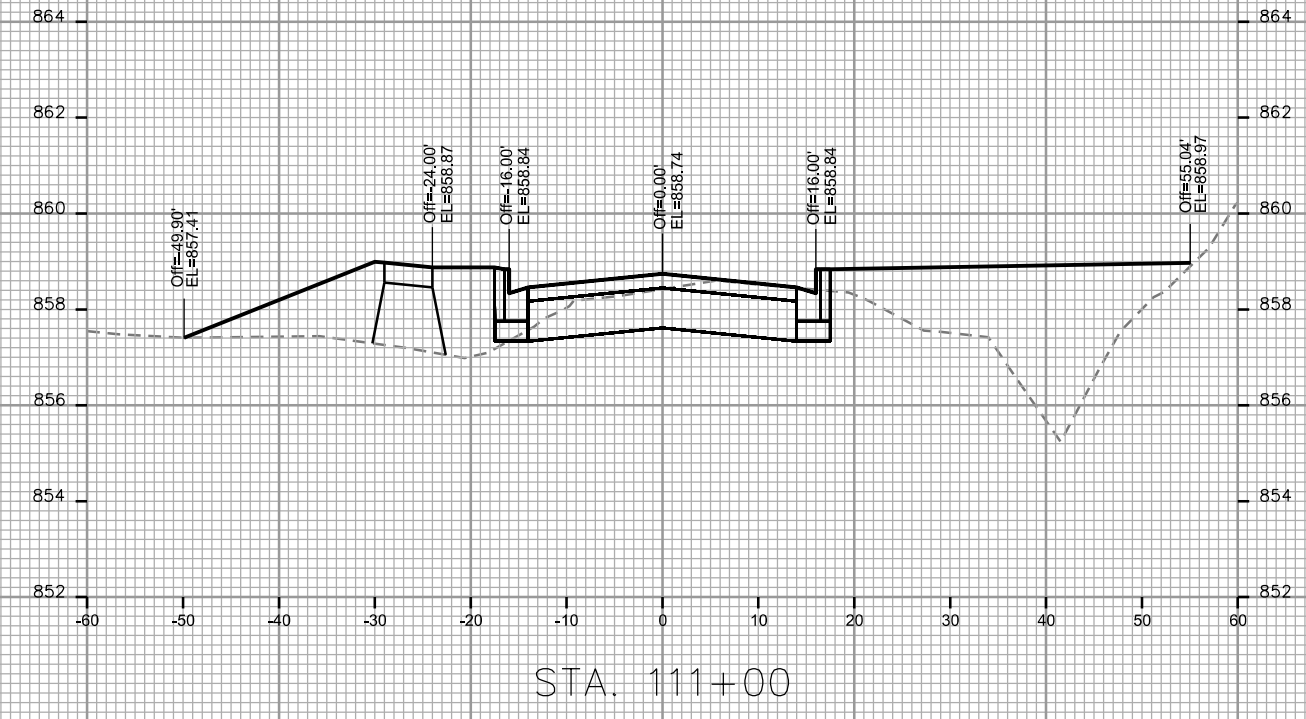
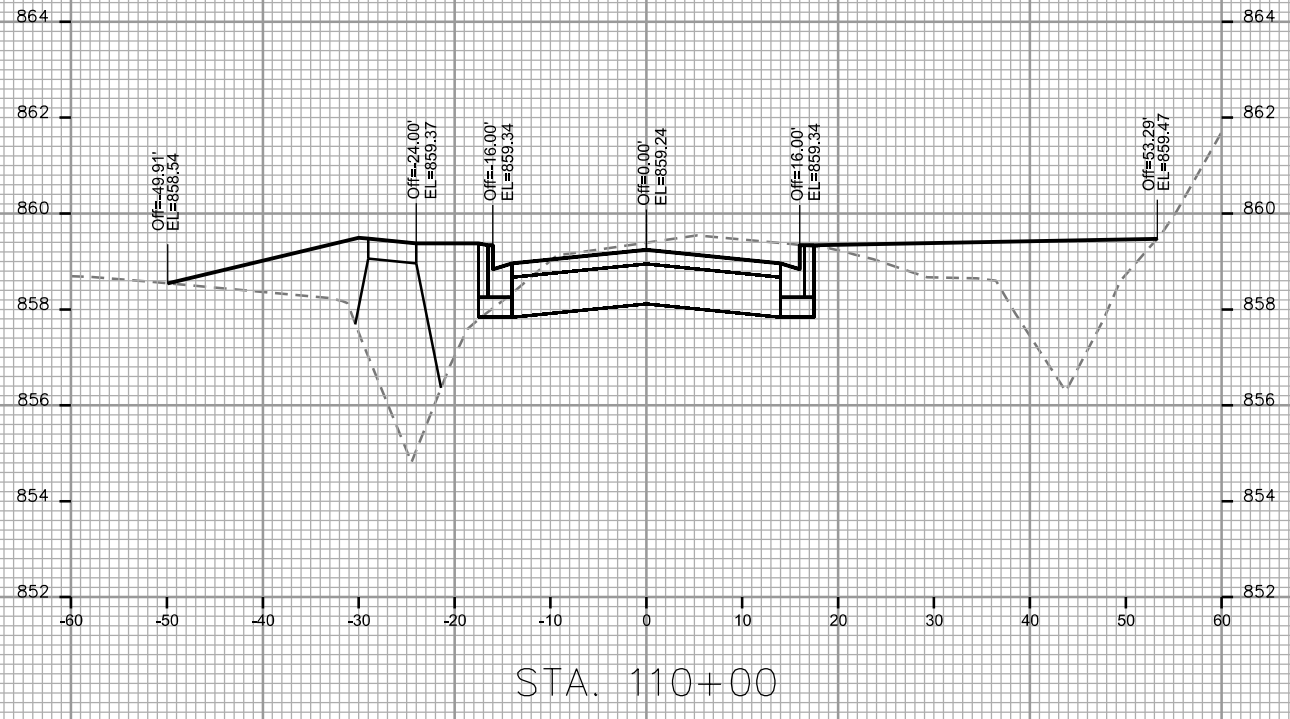
REV 7/29/16 LKH

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

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

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

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



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N SHERMAN AVE

CITY OF MADISON

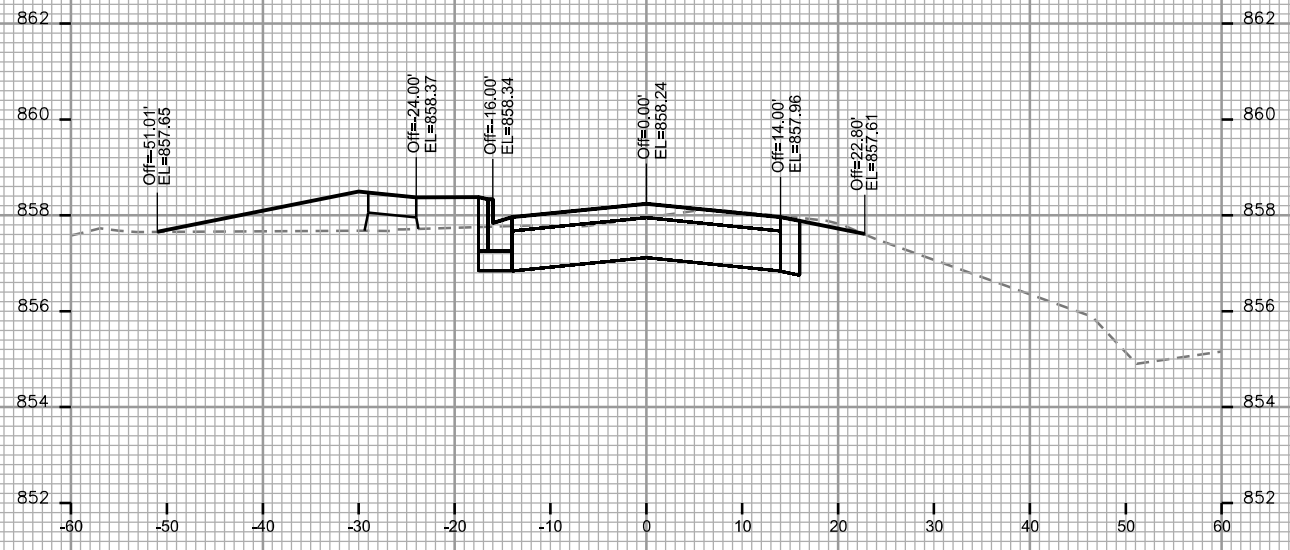
REV 7/29/16 LKH

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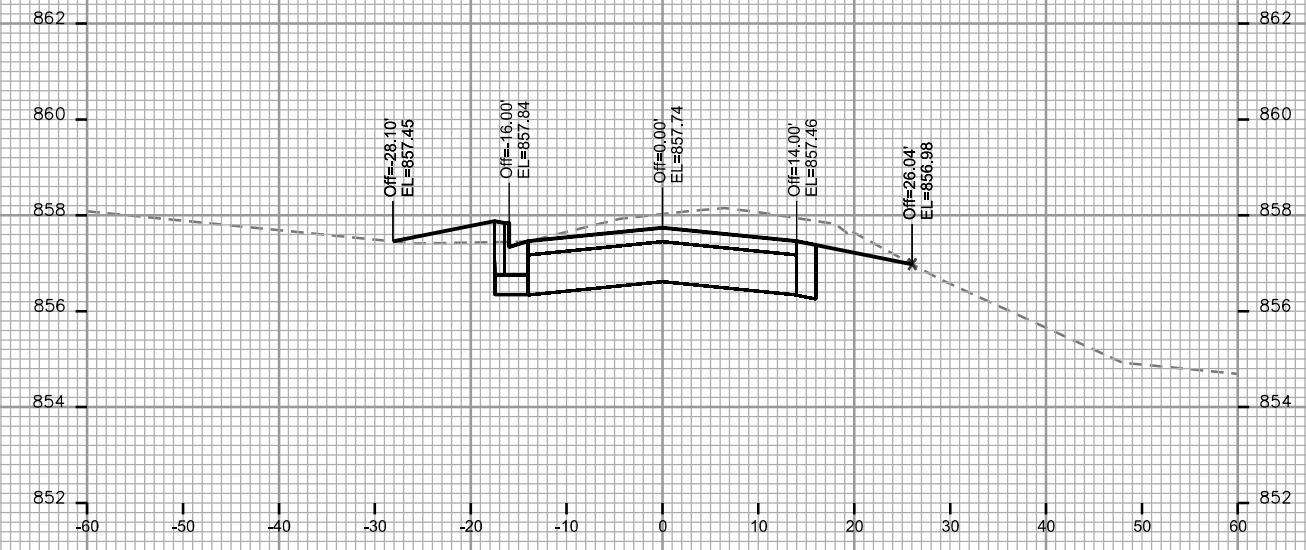
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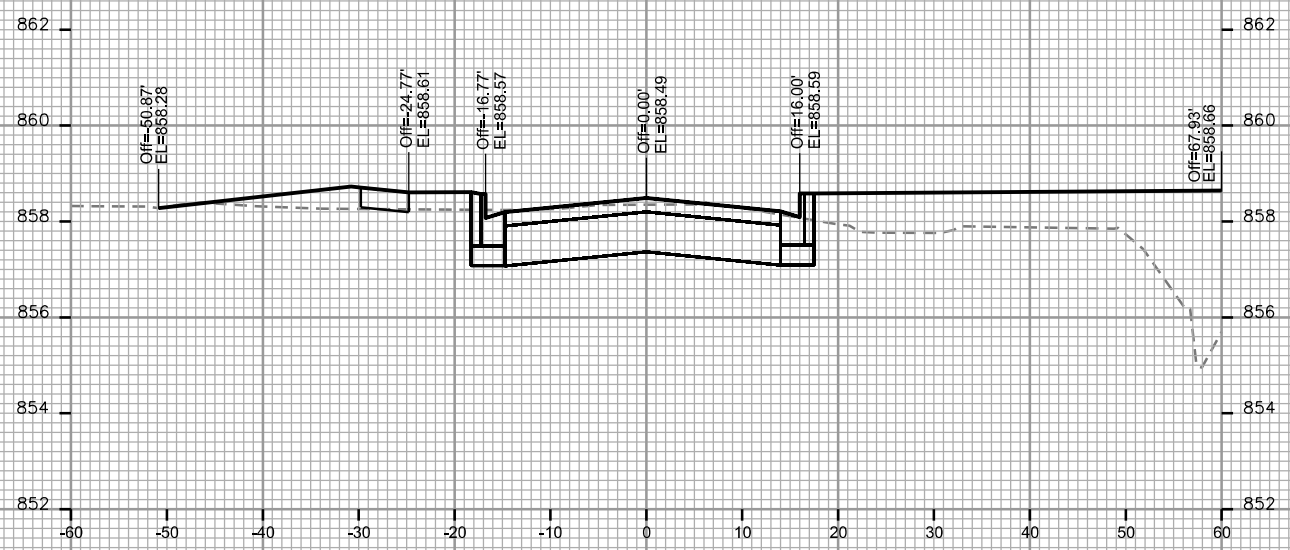
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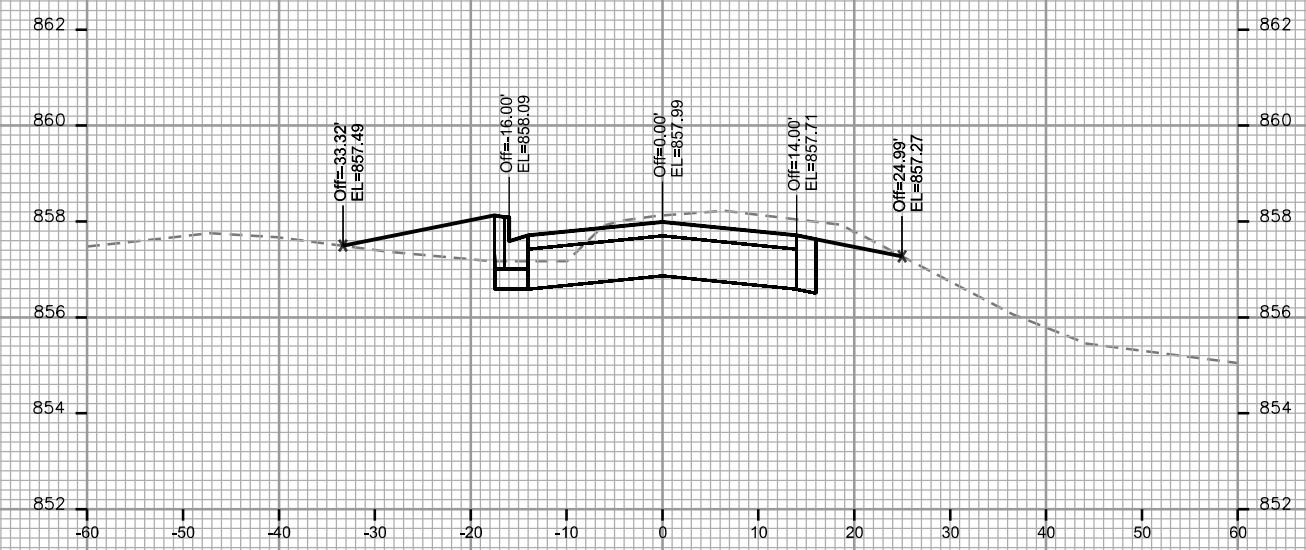
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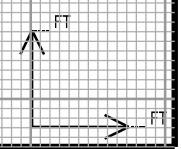
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STA. 111+50



STA. 112+50



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N SHERMAN AVE CITY OF MADISON

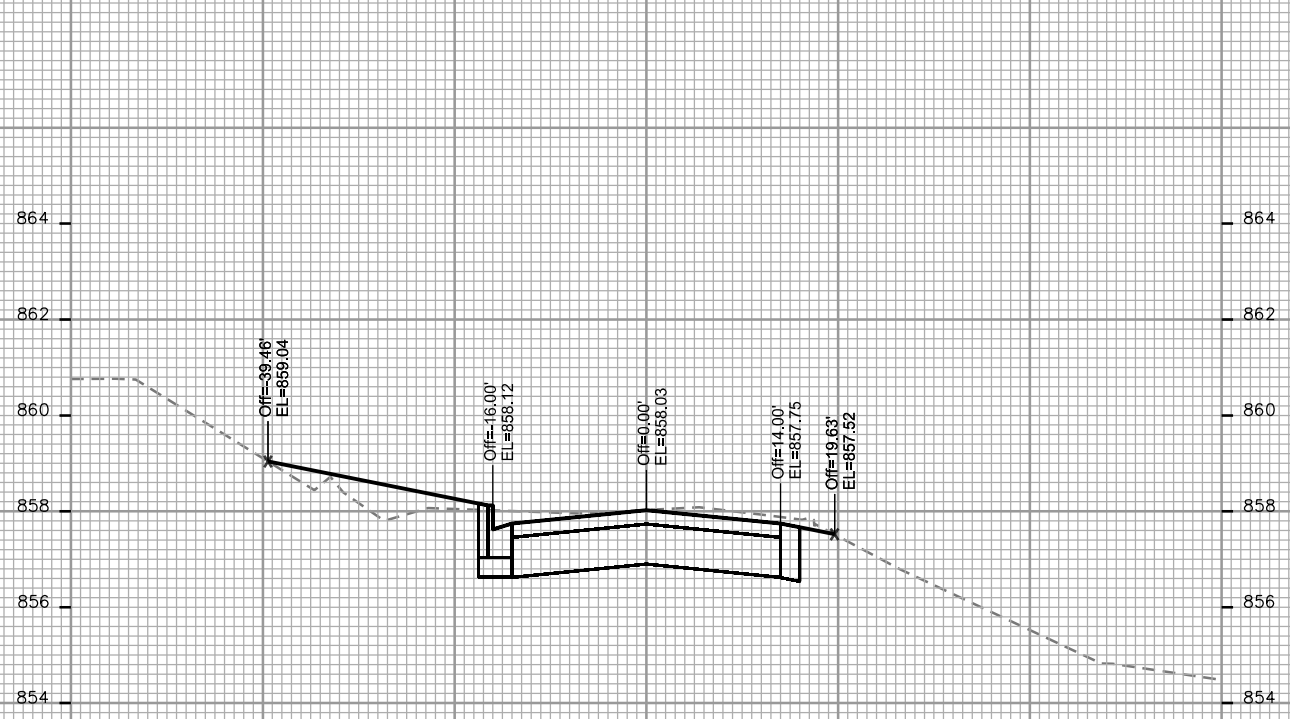
REV 7/29/16 LKH

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

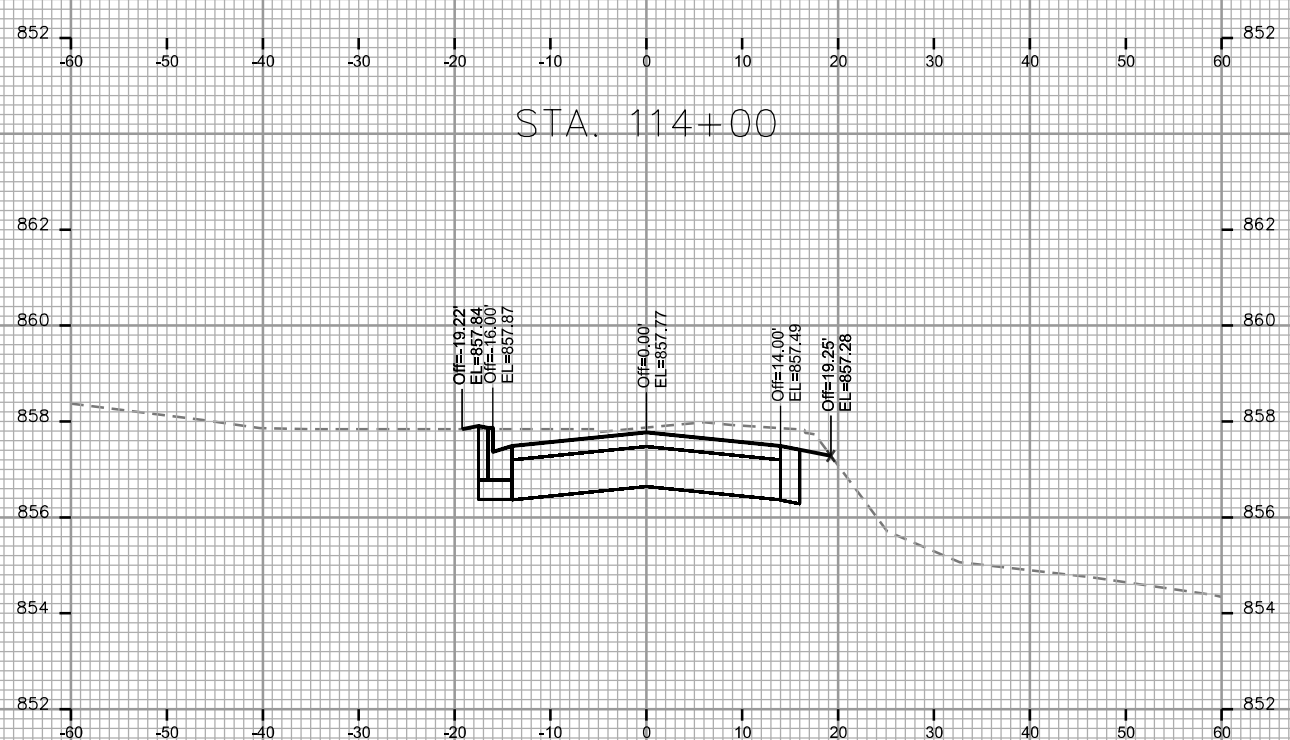
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REV. DATE: \_\_\_\_\_

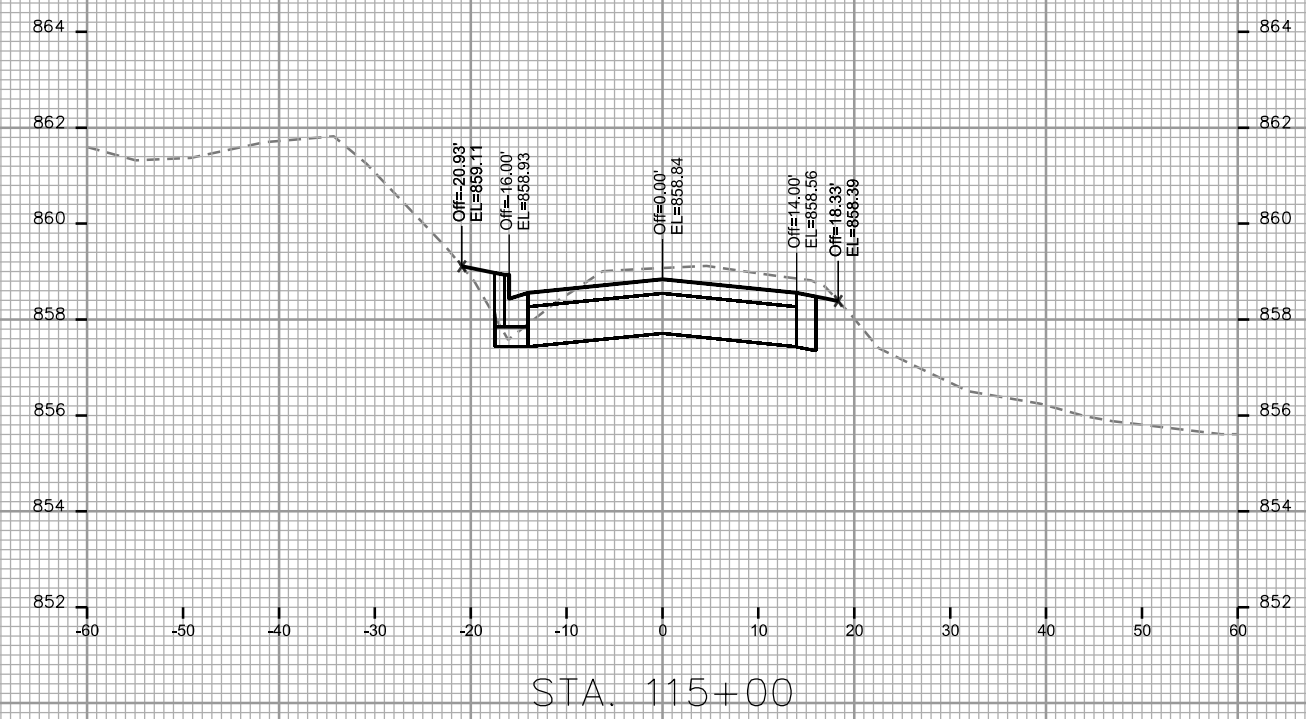
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



STA. 114+00



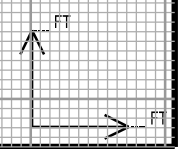
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STA. 115+00



STA. 114+50



CROSS SECTIONS

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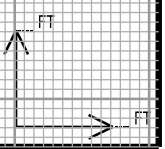
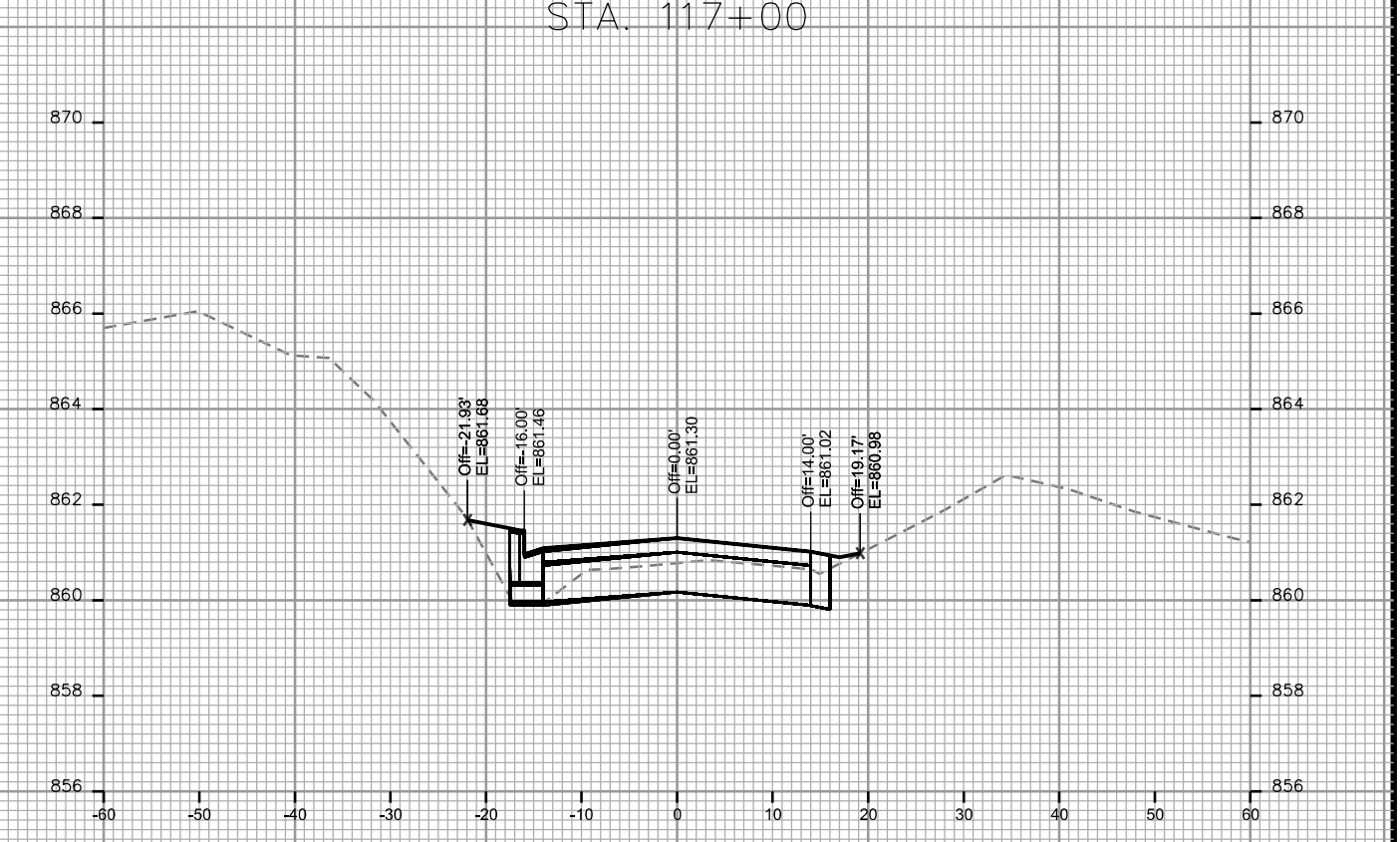
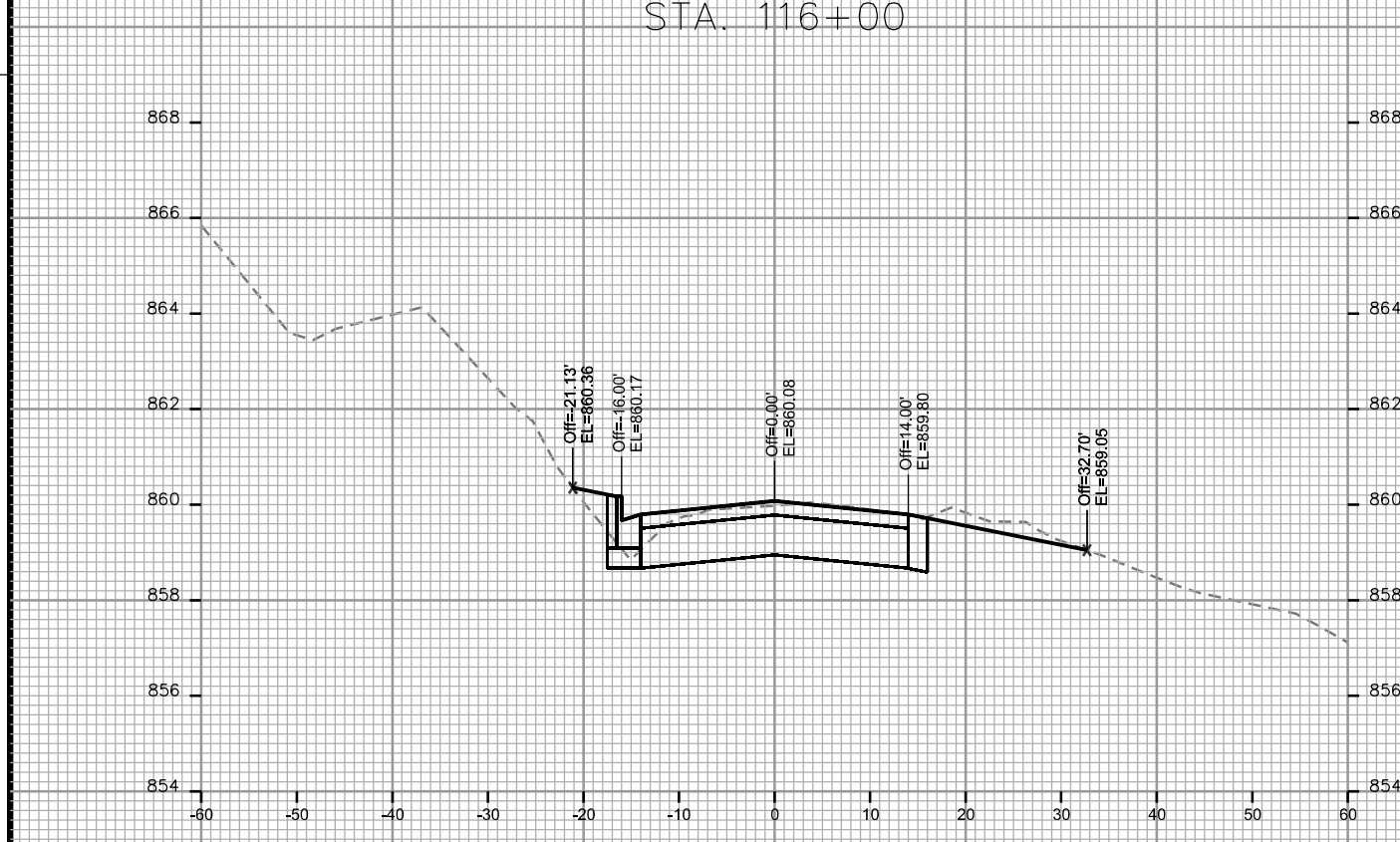
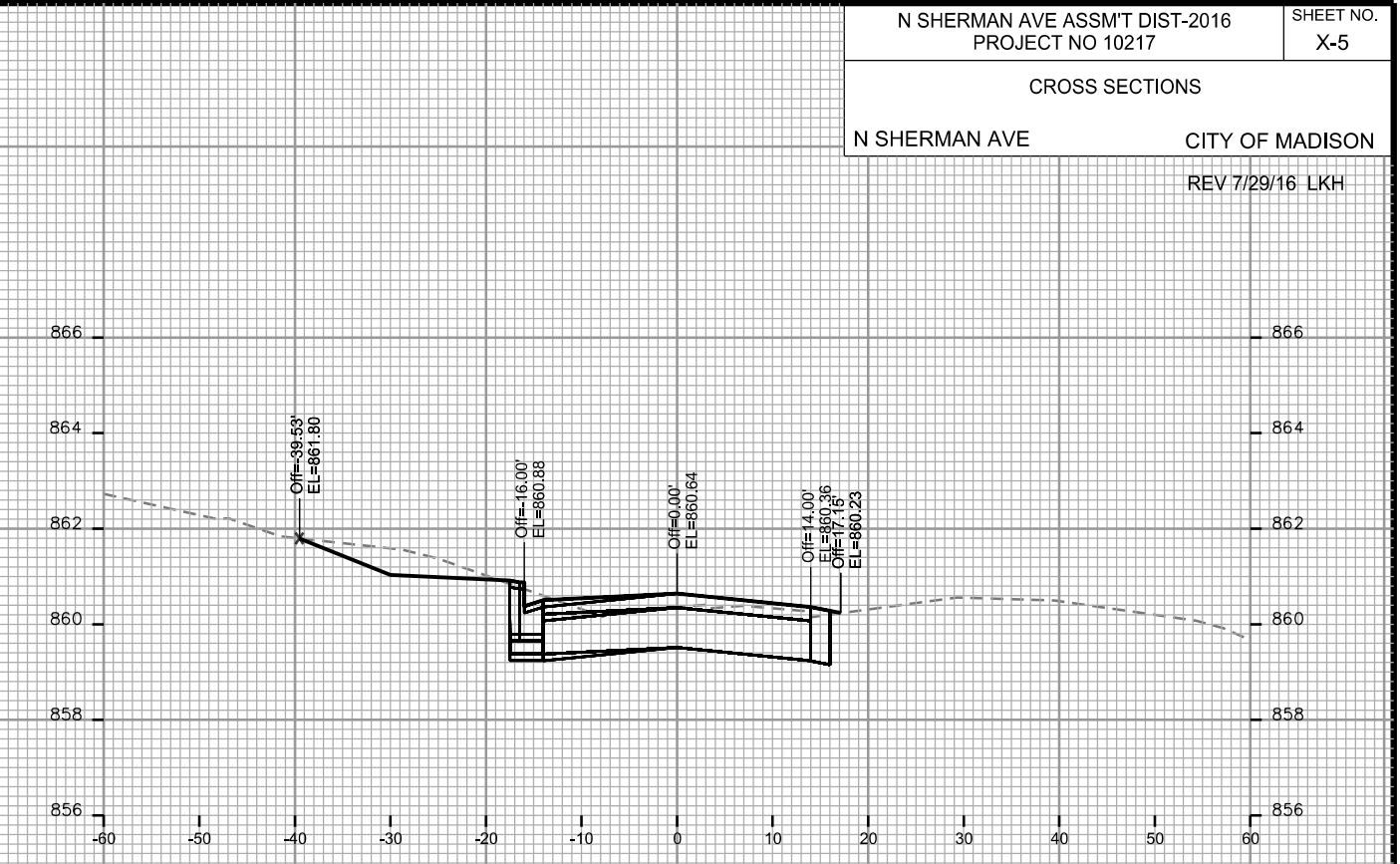
REV 7/29/16 LKH

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

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

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

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

N SHERMAN AVE CITY OF MADISON

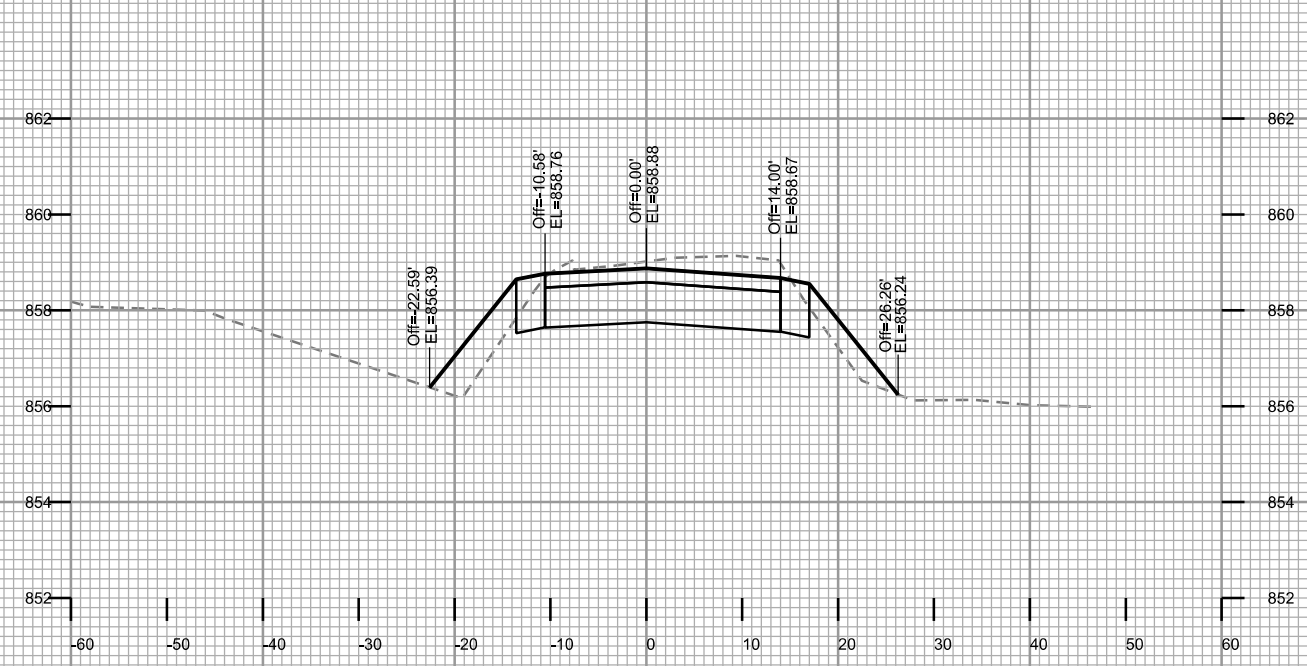
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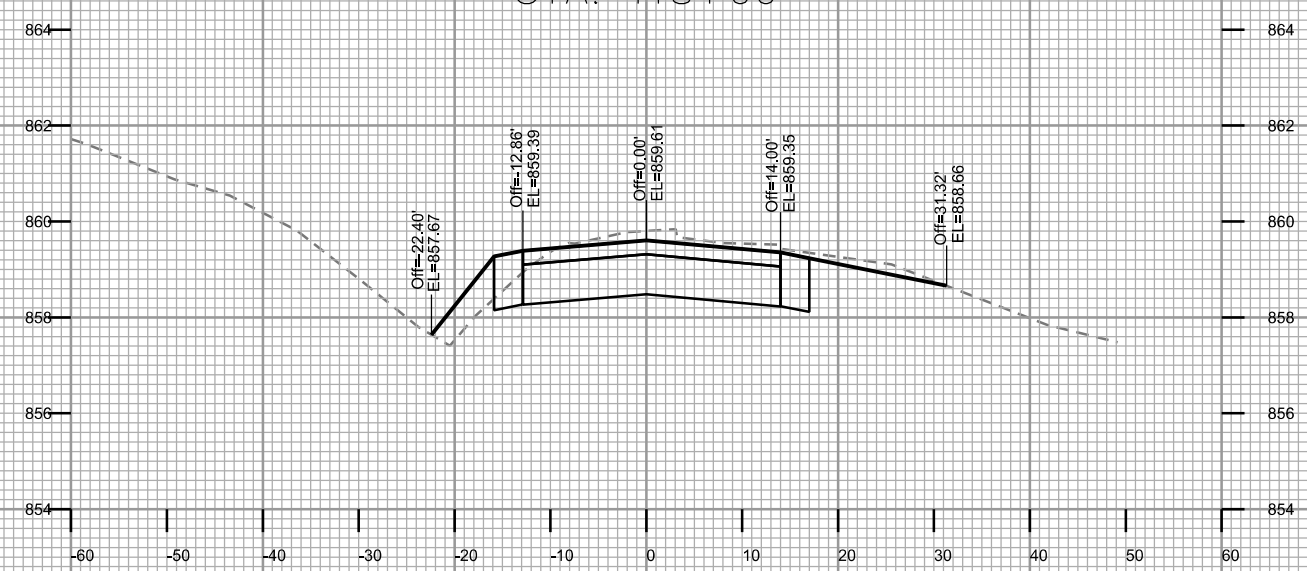
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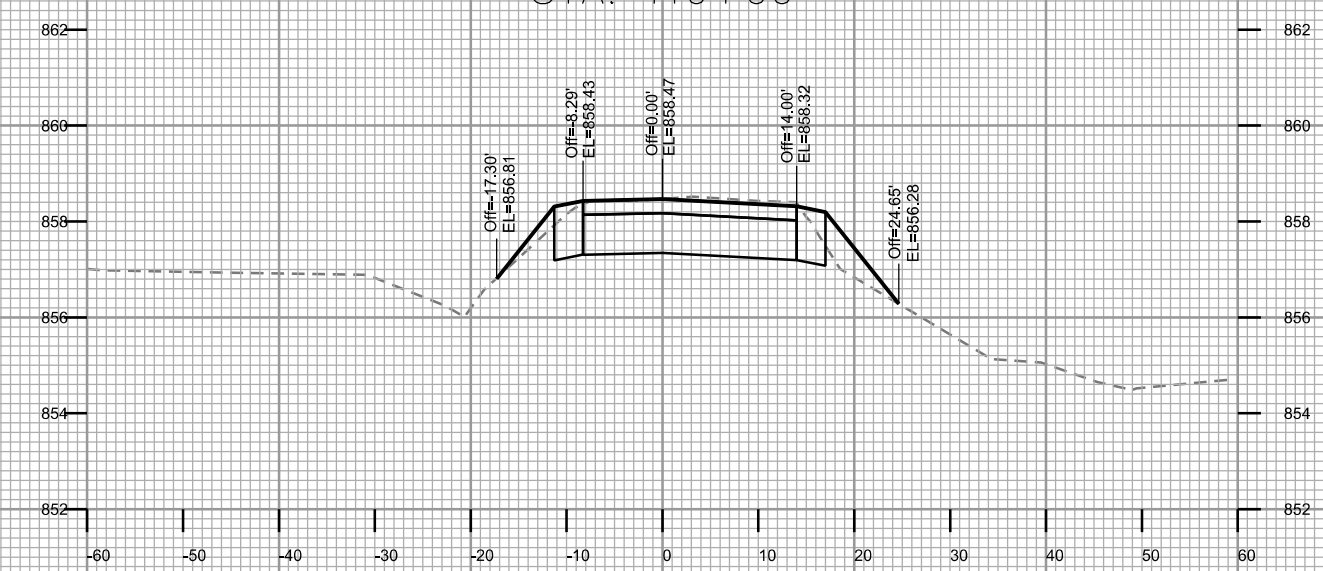
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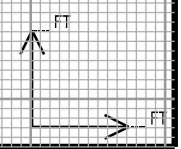
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STA. 119+00



STA. 118+50





CROSS SECTIONS

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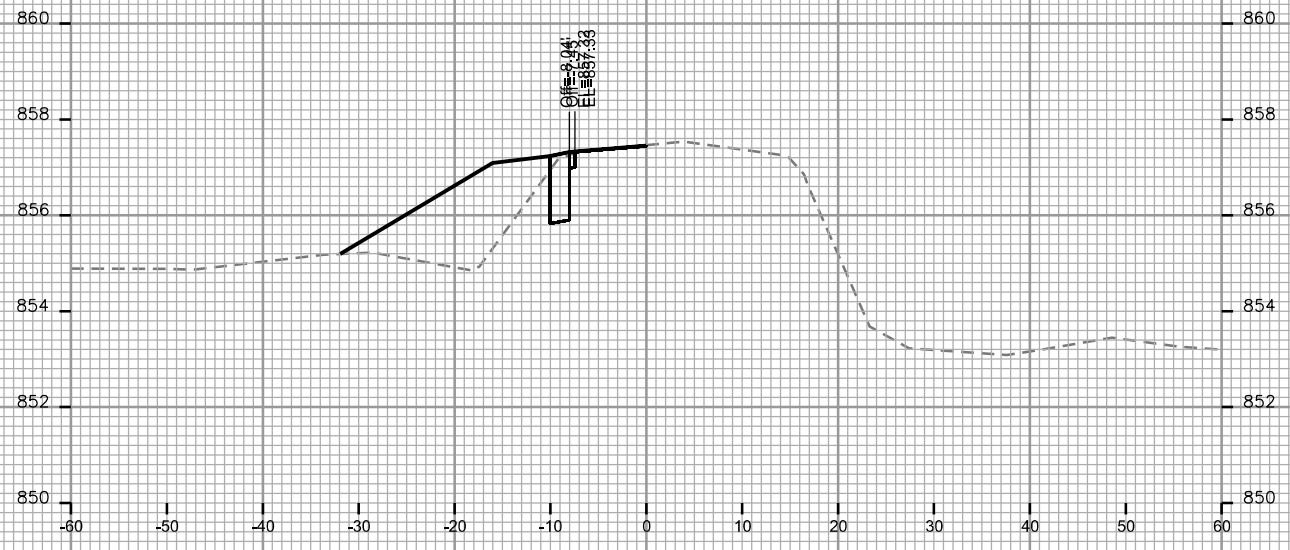
CITY OF MADISON

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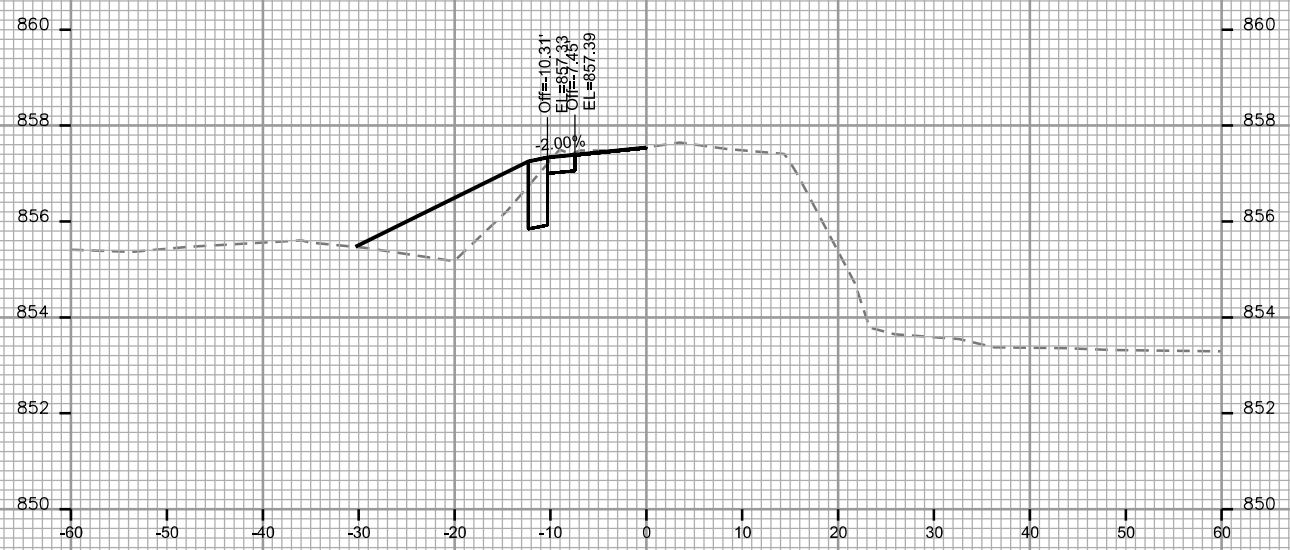
PLOT NAME: \_\_\_\_\_

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

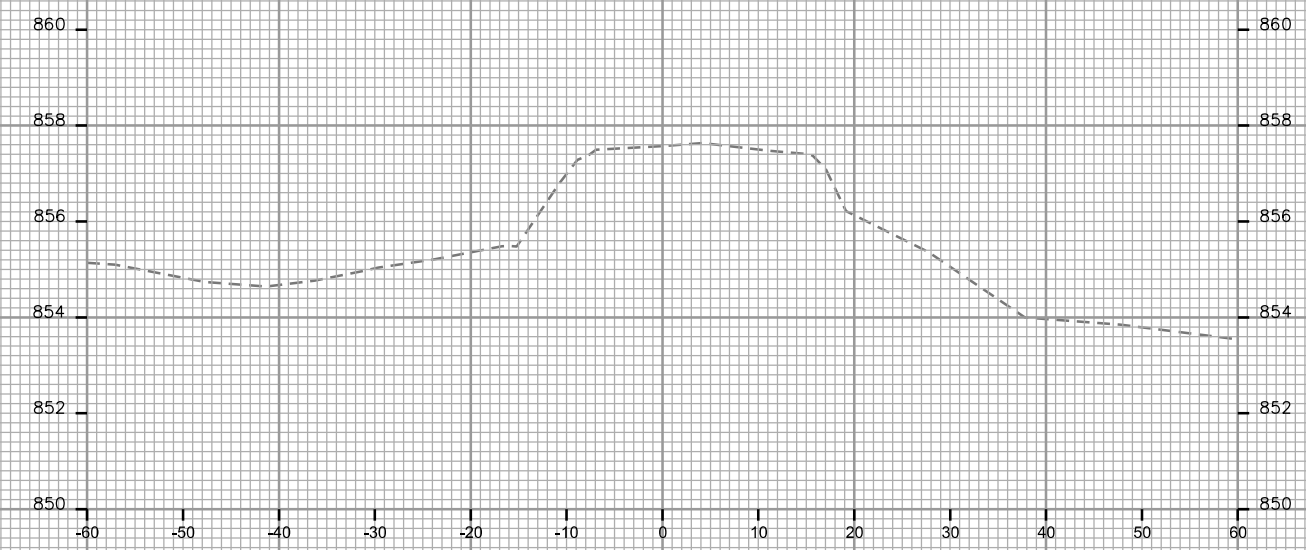
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



STA. 120+00



STA. 119+50



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