

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

GLENVIEW DRIVE, JOYLYNNE DRIVE AND WOODLAWN DRIVE RECONSTRUCTION ASSESSMENT DISTRICT - 2018

CITY MUNIS NO. 11650
CONTRACT NO. 8123

PUBLIC IMPROVEMENT PROJECT APPROVED

APRIL 10, 2018

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 4/20/18
City Engineer Date

STREET
DESIGNED BY:

[Signature]
LISA R. COLEMAN
E-37708
MADISON
WI
4/18/2018
PROFESSIONAL ENGINEER

SANITARY SEWER
DESIGNED BY:

[Signature]
MARK D. MODER
E-33879
MADISON
WI
4/19/18
PROFESSIONAL ENGINEER

WATER MAIN
DESIGNED BY:

[Signature]
PETER E. HOLMGREN
E-42156
MADISON
WI
4/18/2018
PROFESSIONAL ENGINEER

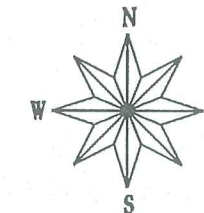
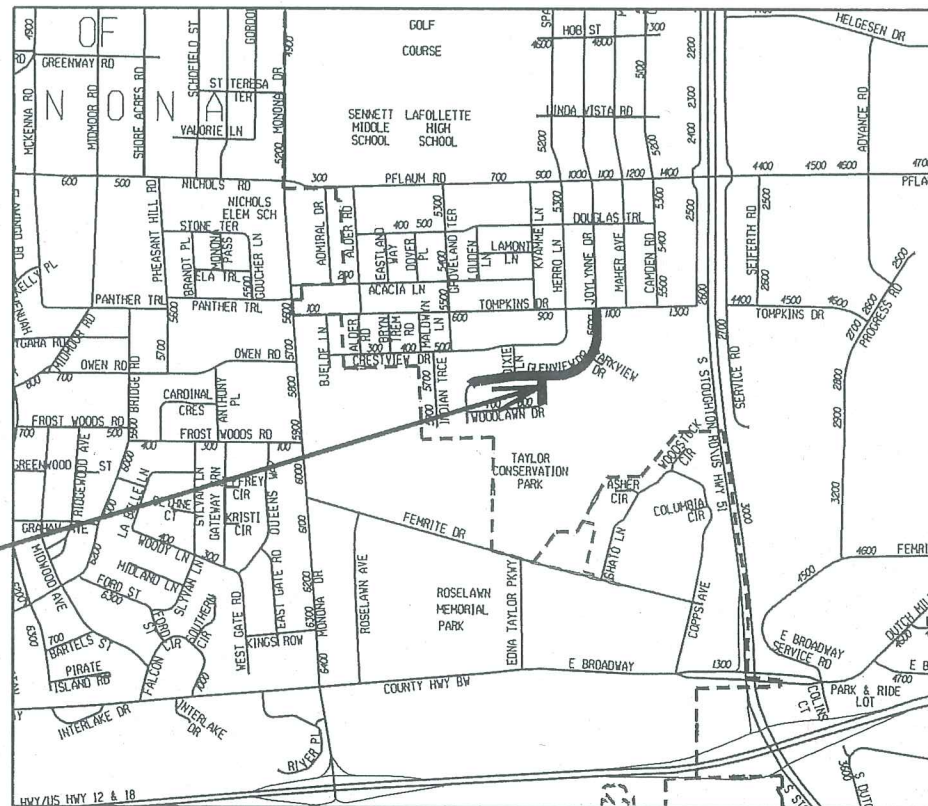
STORM SEWER
DESIGNED BY:

[Signature]
JANET SCHMIDT
E-34651
MADISON
WI
4-19-18
PROFESSIONAL ENGINEER

INDEX OF SHEETS

| SHEET NO. | TITLE |
|-----------|--|
| 1 | TYPICAL SECTIONS AND DETAILS |
| D1 | RAIN GARDEN DETAILS |
| RG1-RG2 | EROSION CONTROL PLANS |
| EC1-EC6 | GLENVIEW DR & JOYLYNNE DR PLAN & PROFILE |
| P1-P4 | WOODLAWN DRIVE PLAN & PROFILE |
| P5 | GLENVIEW & JOYLYNNE UTILITIES PLAN & PROFILE |
| U1-U4 | WOODLAWN UTILITIES PLAN & PROFILE |
| U5 | EDNA TAYLOR PARK PLAN & PROFILE |
| U6 | SANITARY SEWER SCHEDULE |
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| W1-W4 | WATER IMPACT PLAN |
| W5 | WATER ESTIMATE OF MATERIALS/DETAILS |
| W6 | CROSS SECTIONS GLENVIEW DRIVE |
| X1-X13 | CROSS SECTIONS JOYLYNNE DRIVE |
| X14-X18 | CROSS SECTIONS WOODLAWN DRIVE |
| X19-X20 | |

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:

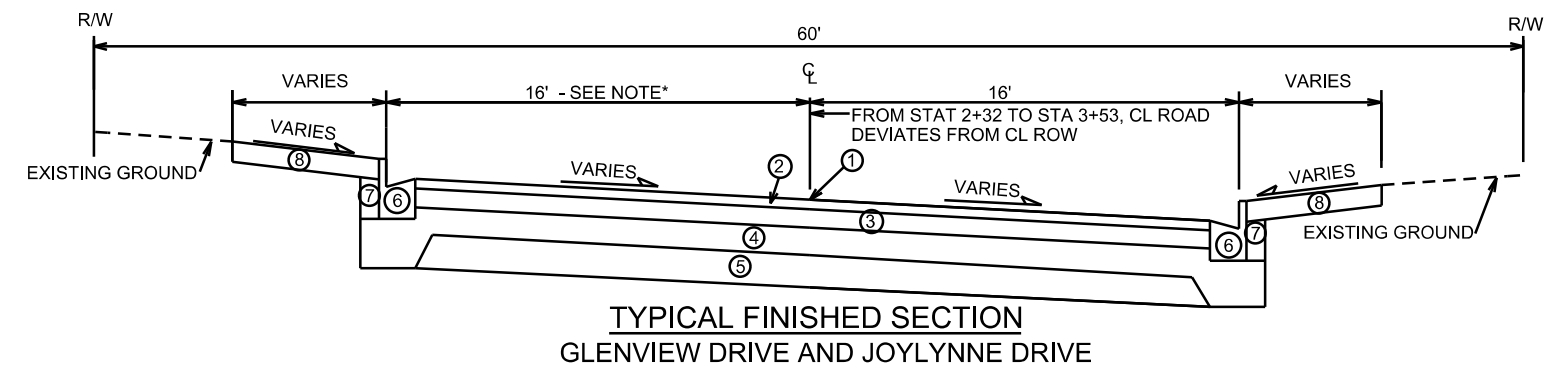
EXCAVATION CUT (MEASURED PLAN QUANTITY).....2966 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....1112 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....4078 C.Y.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

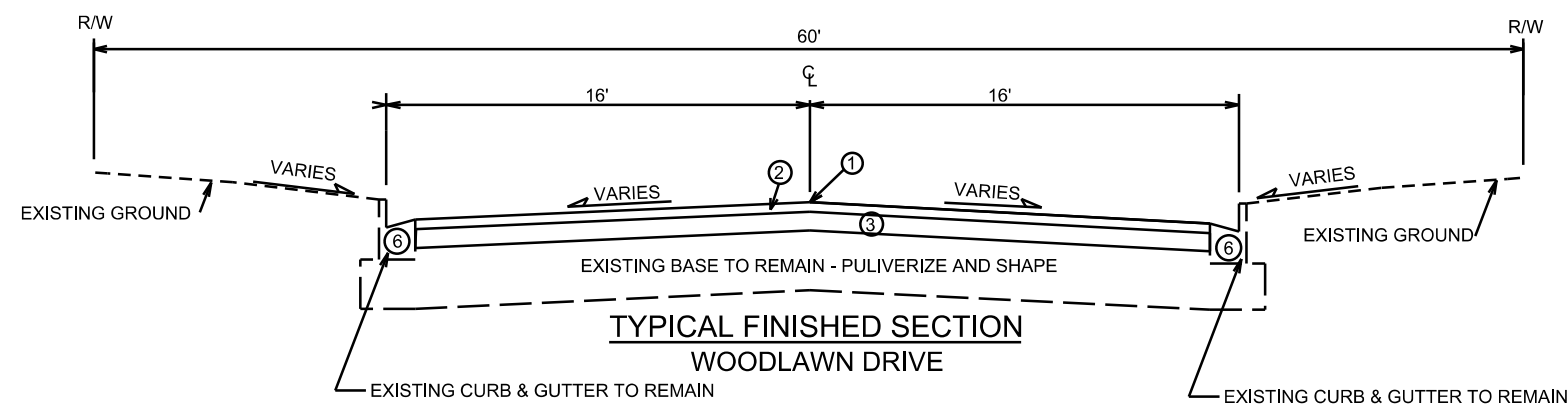


TYPICAL FINISHED SECTION
GLENVIEW DRIVE AND JOYLYNNE DRIVE

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" BITUMINOUS UPPER LAYER 4 LT 58-28 S
- ③ 1.75" BITUMINOUS LOWER LAYER 4 LT 58-28 S
- ④ 6" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER (TYPE X WHERE NOTED ON PLAN)
- ⑦ FILL, INCIDENTAL
- ⑧ 6" TOPSOIL, SEED & MAT

* DIMENSION VARIES STA 2+32 TO 3+65, 14' MIN.

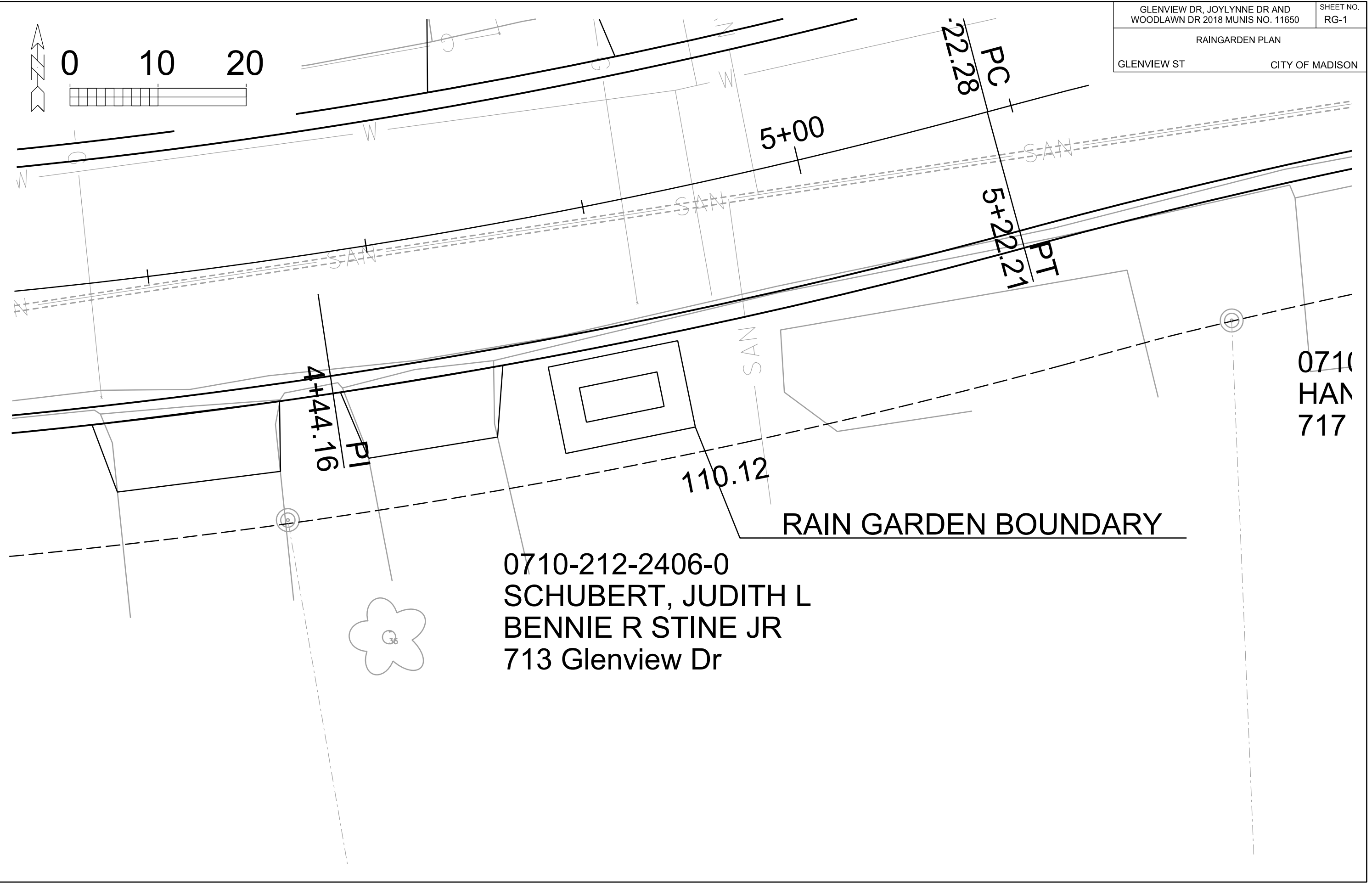
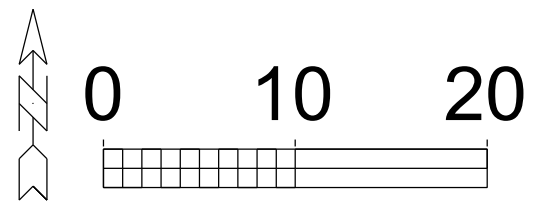
SEE CROSS SECTION SHEETS FOR CROSS
SLOPES, TOP OF CURB AND BACK OF WALK ELEVATIONS.



TYPICAL FINISHED SECTION
WOODLAWN DRIVE

TYPICAL SECTIONS NOT TO SCALE

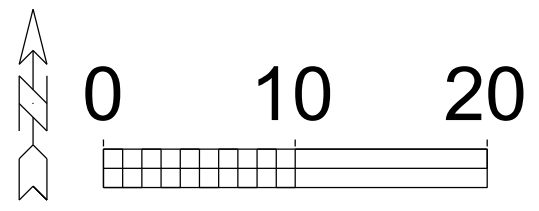
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PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



0710-212-2406-0
SCHUBERT, JUDITH L
BENNIE R STINE JR
713 Glenview Dr

0710
HAN
717

PLOT SCALE: 10
PLOT NAME: RG1
REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



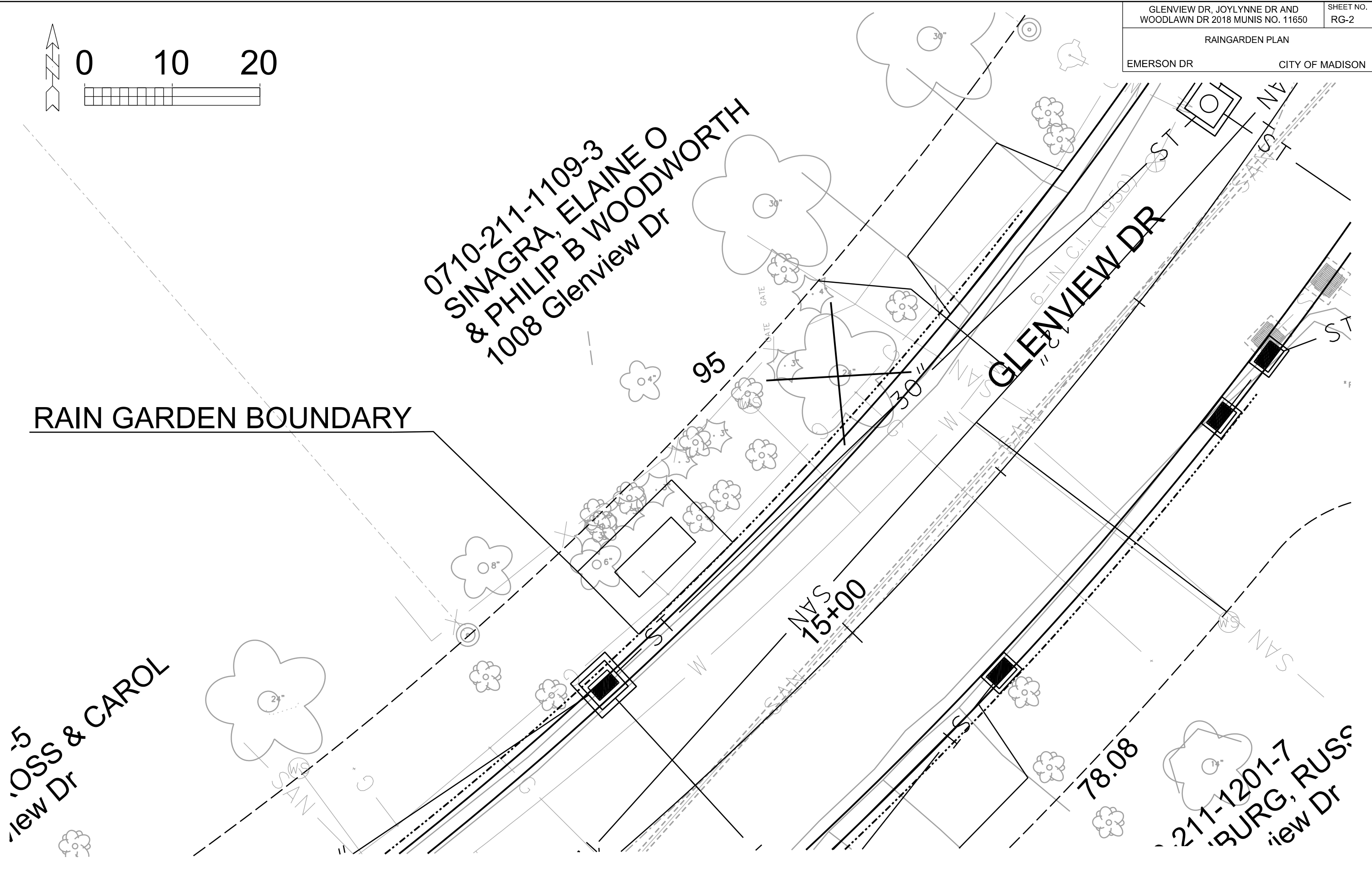
0710-211-1109-3
SINAGRA, ELAINE O
& PHILIP B WOODWORTH
1008 Glenview Dr

RAIN GARDEN BOUNDARY

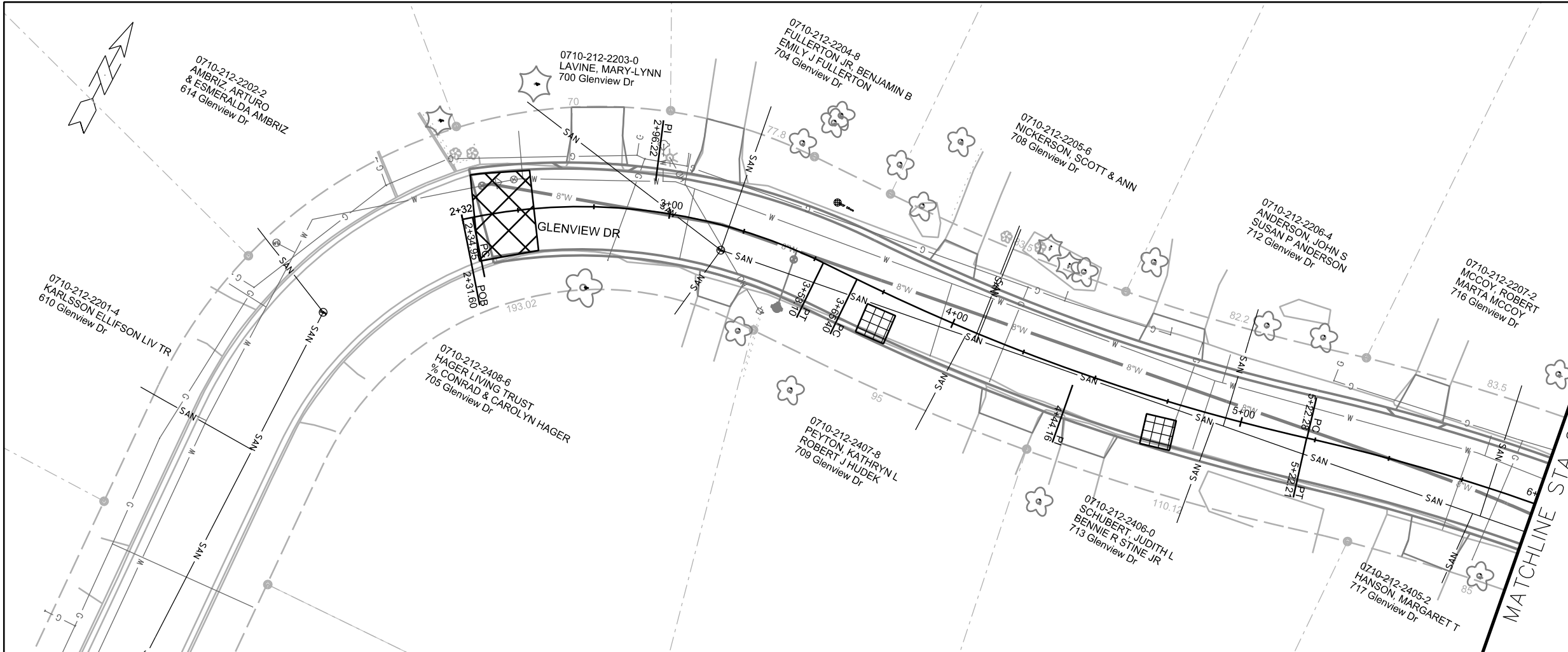
'5
'OSS & CAROL
iew Dr

211-1201-7
BURG, RUSC
iew Dr

GLENVIEW DR

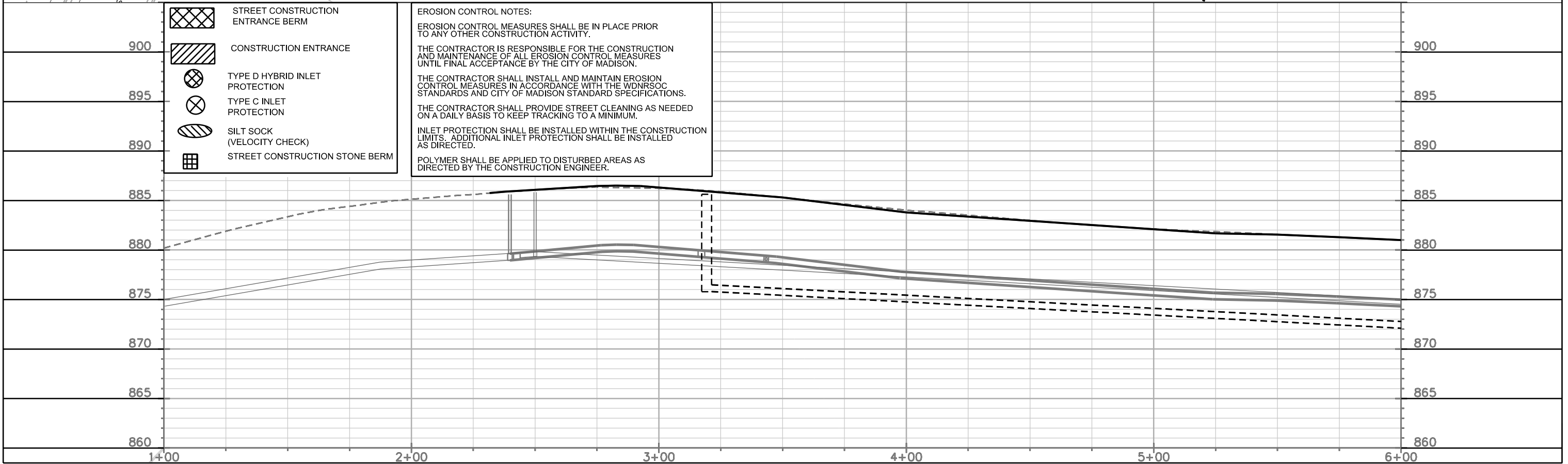


PLOT SCALE: 10
 PLOT NAME: RG2
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION



- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
- TYPE C INLET PROTECTION
- SILT SOCK (VELOCITY CHECK)
- STREET CONSTRUCTION STONE BERM

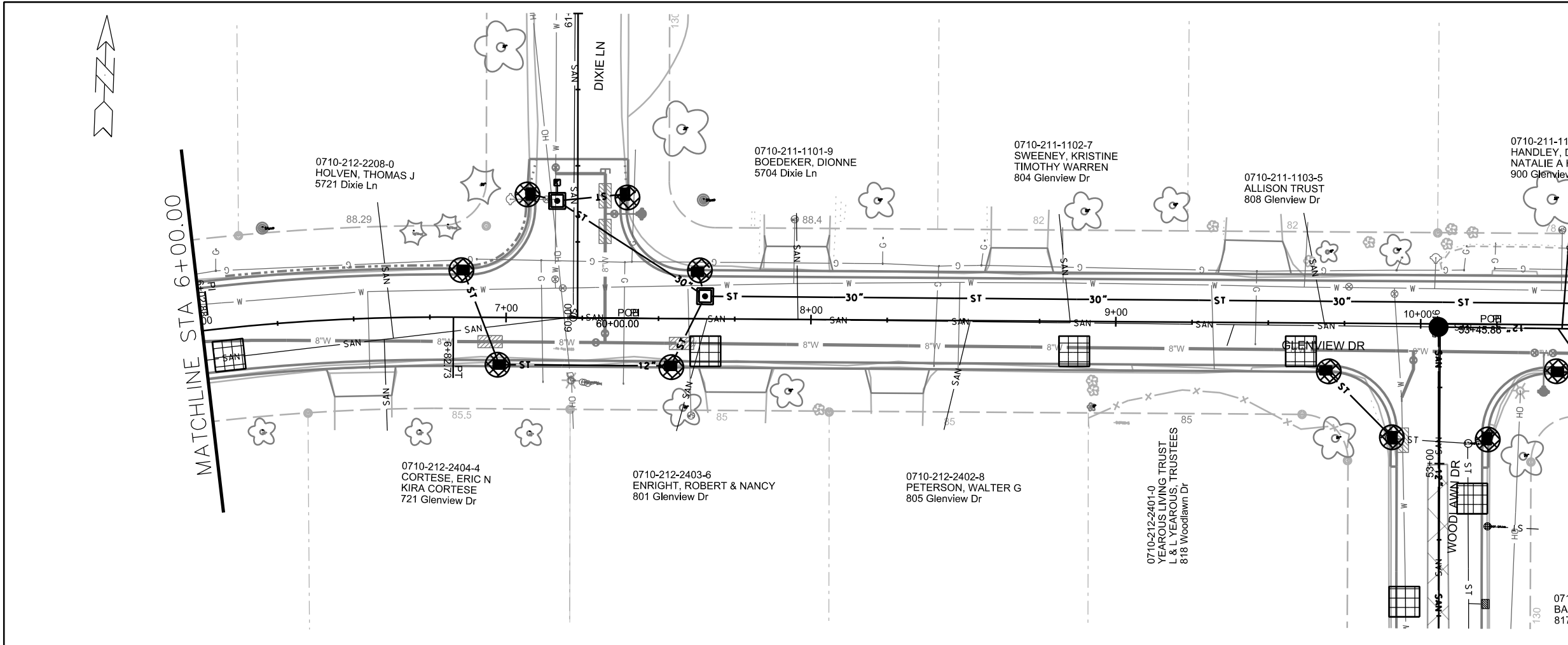
EROSION CONTROL NOTES:
 EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
 THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
 THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION 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.









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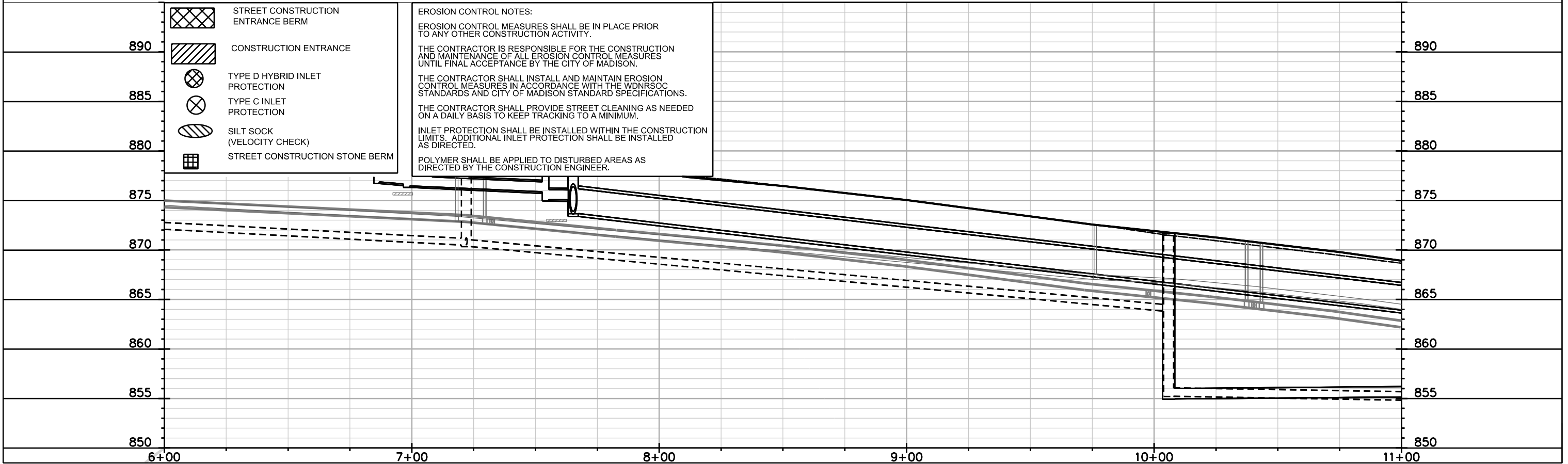
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



-  STREET CONSTRUCTION ENTRANCE BERM
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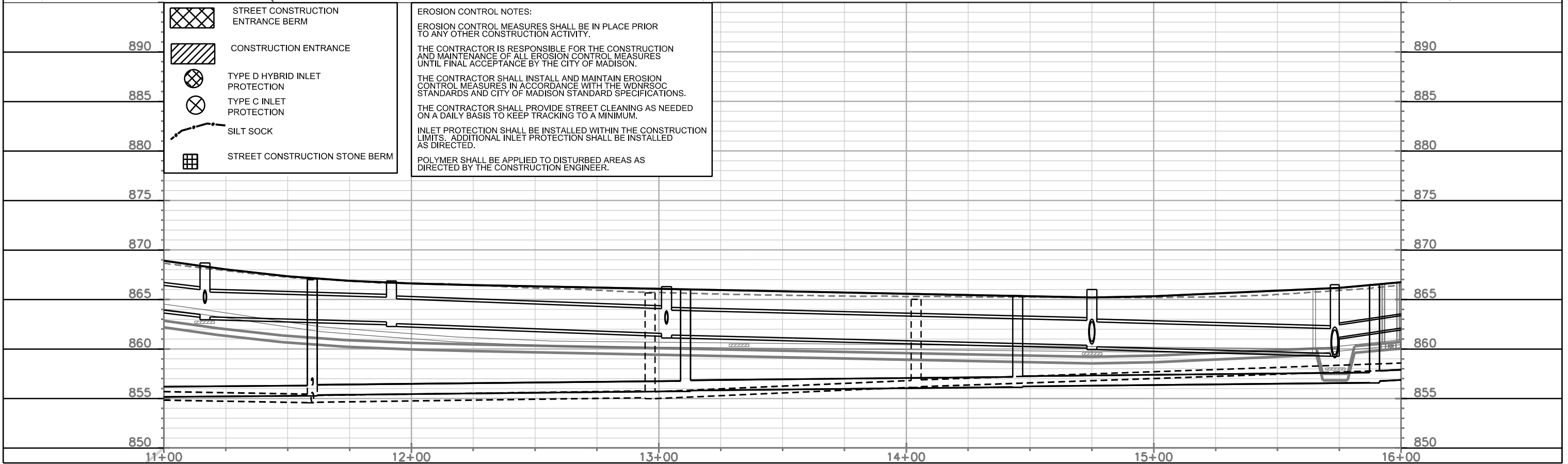
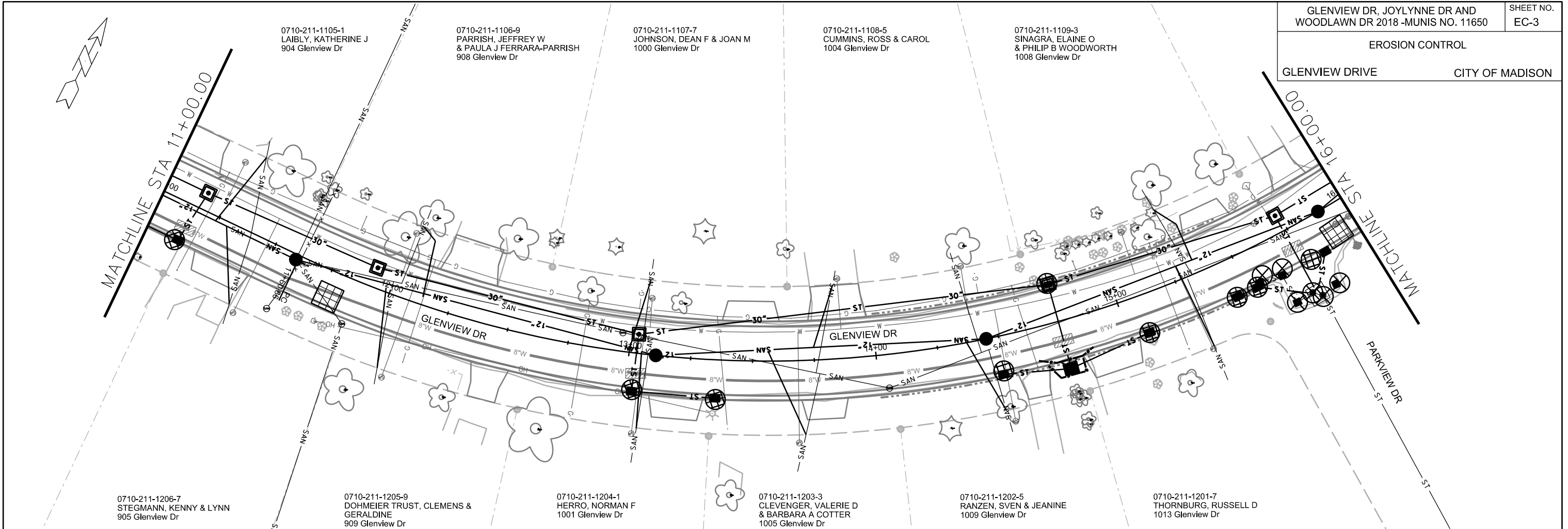


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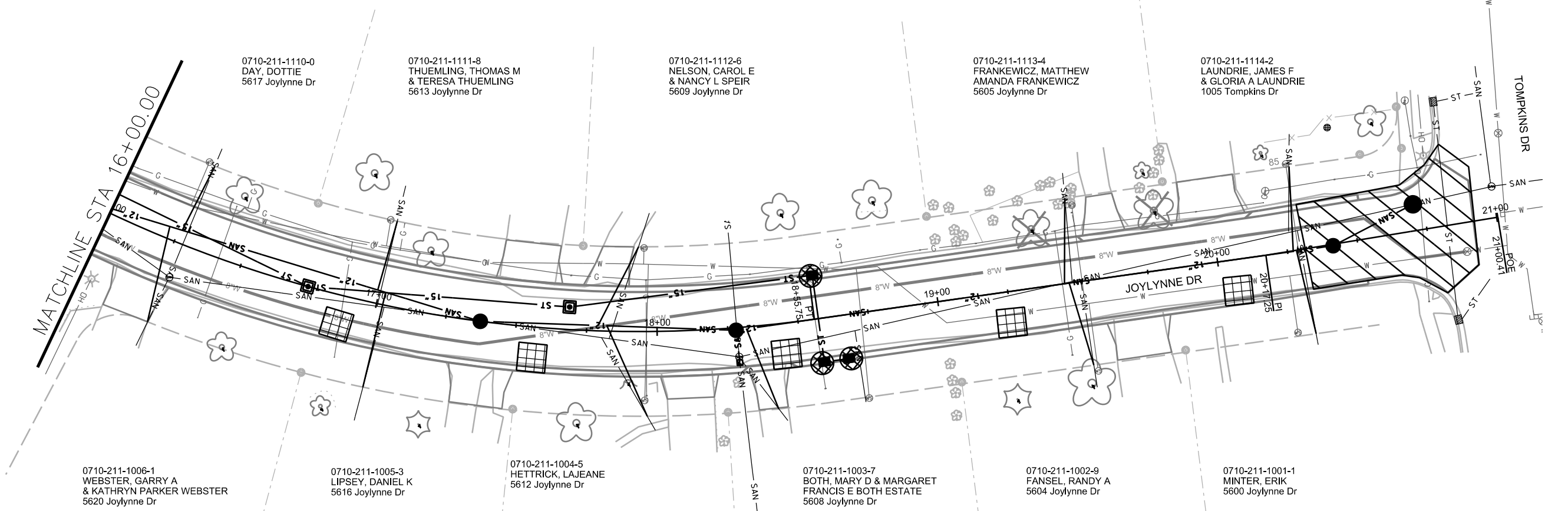








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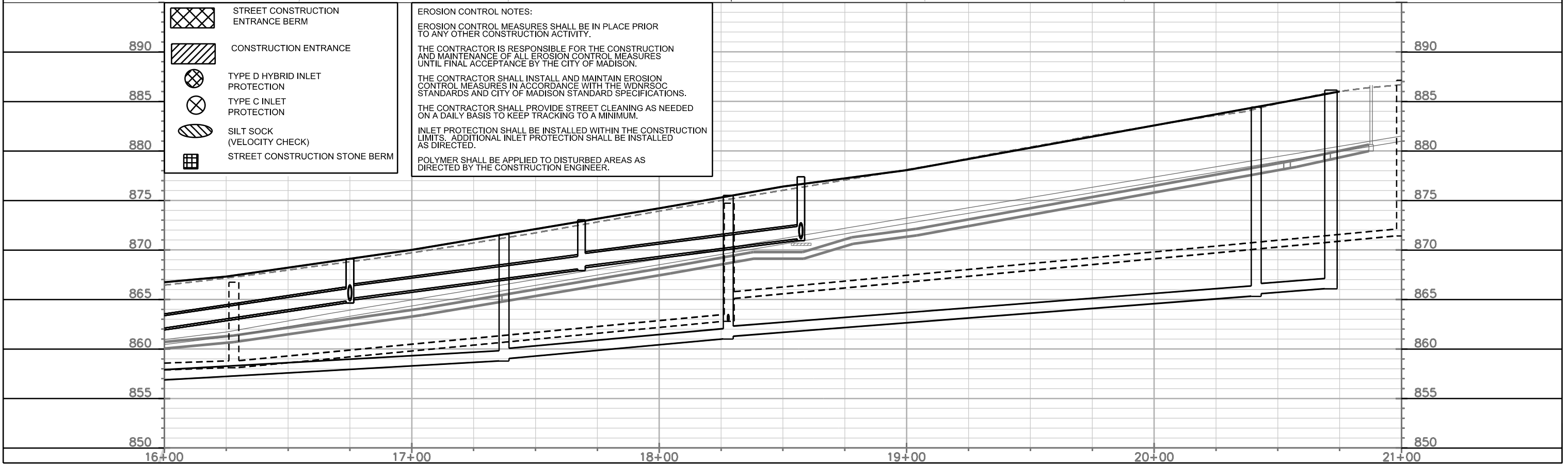
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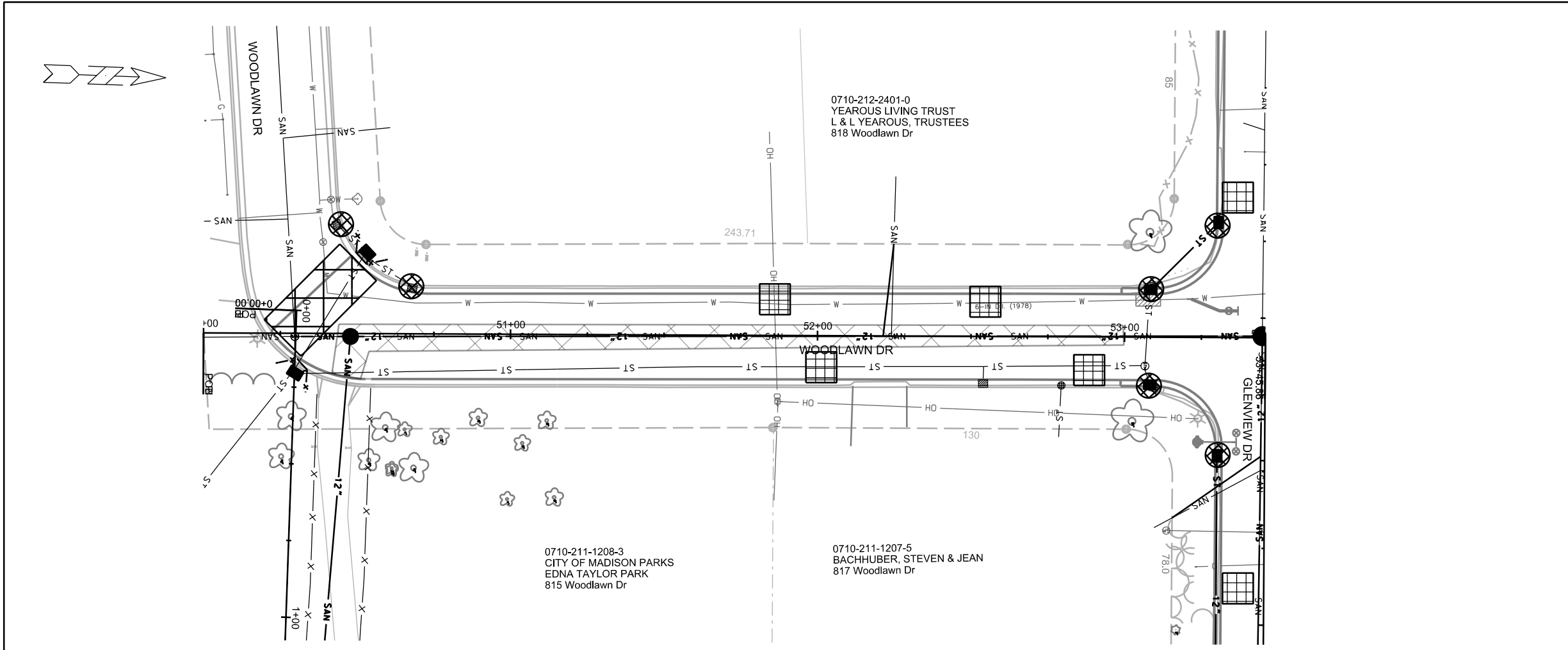


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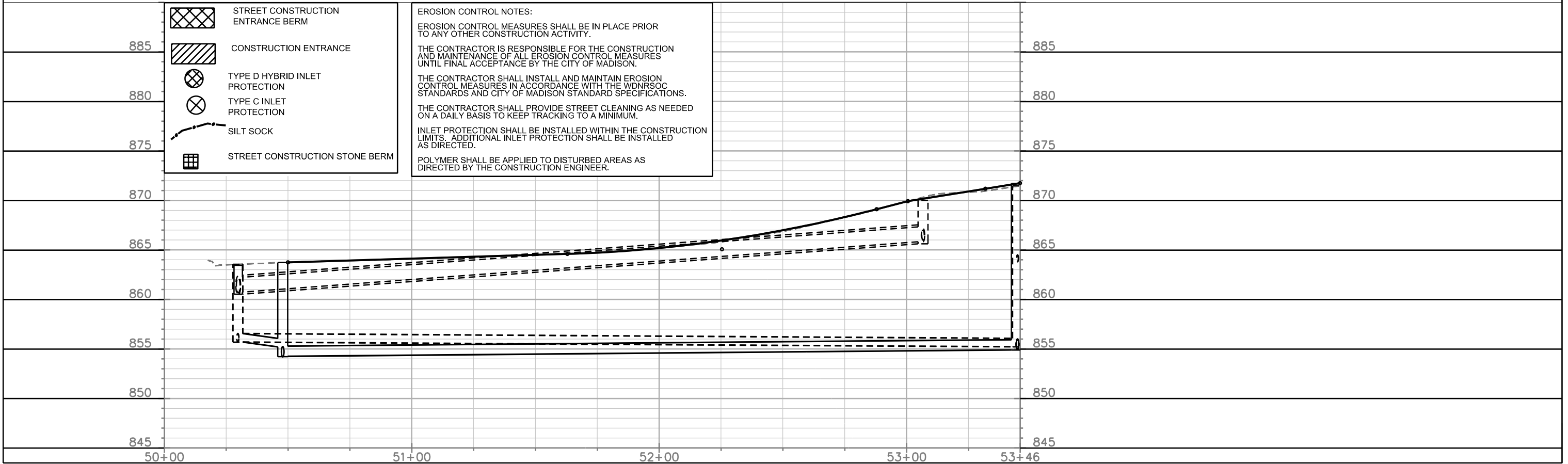
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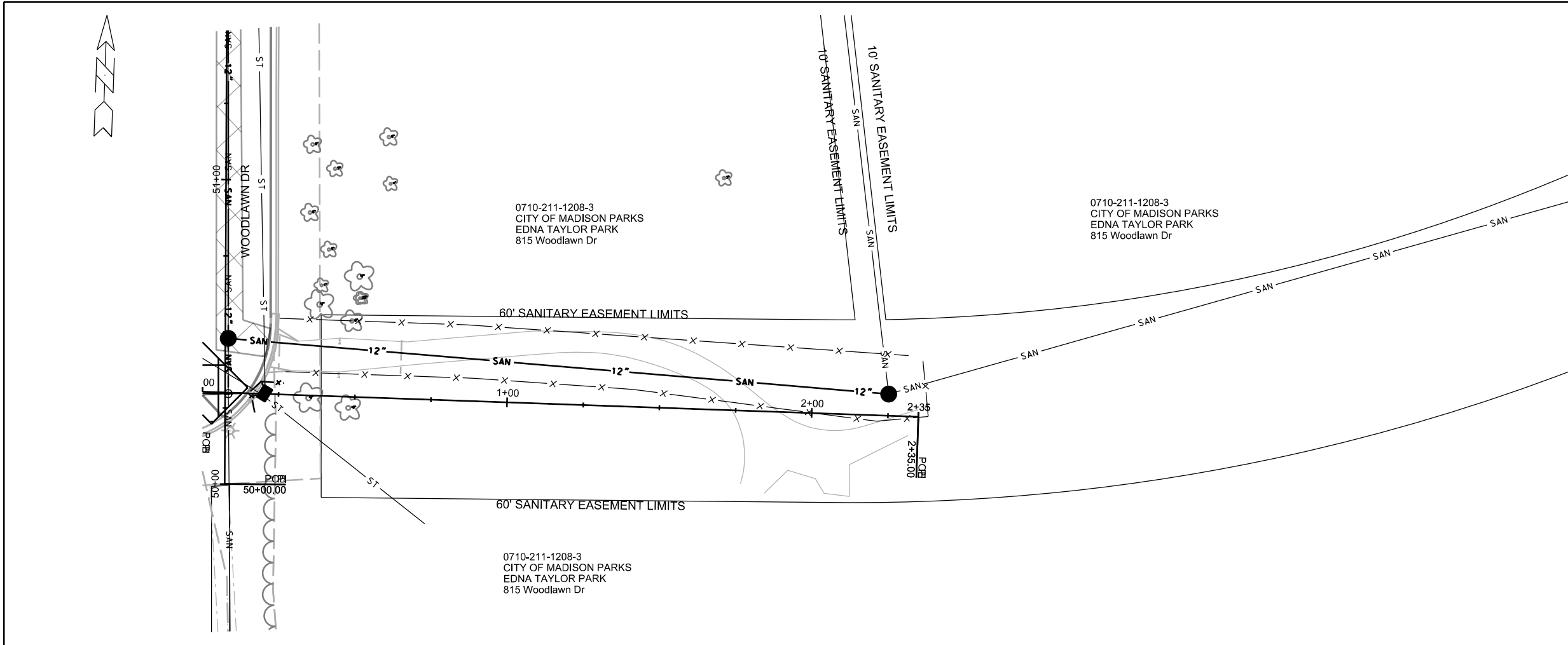


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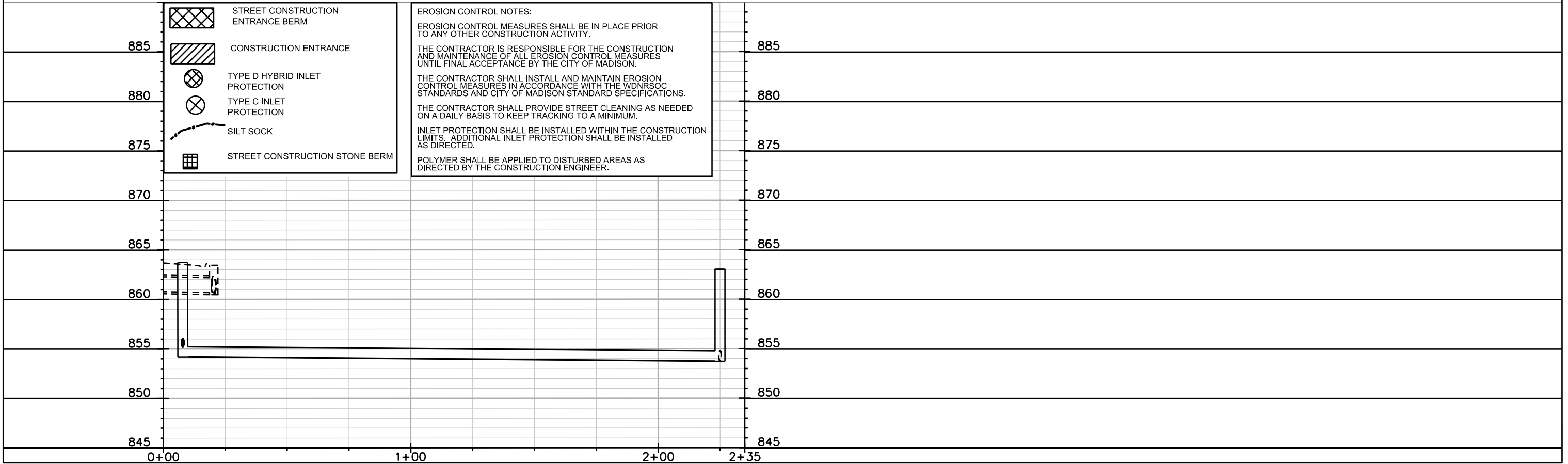
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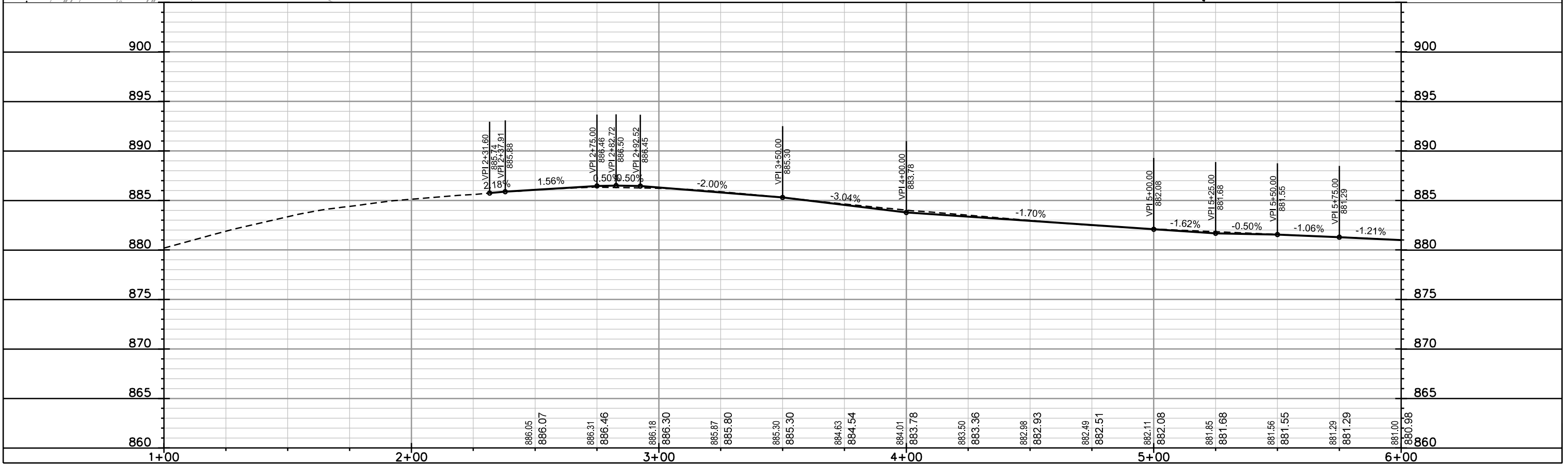
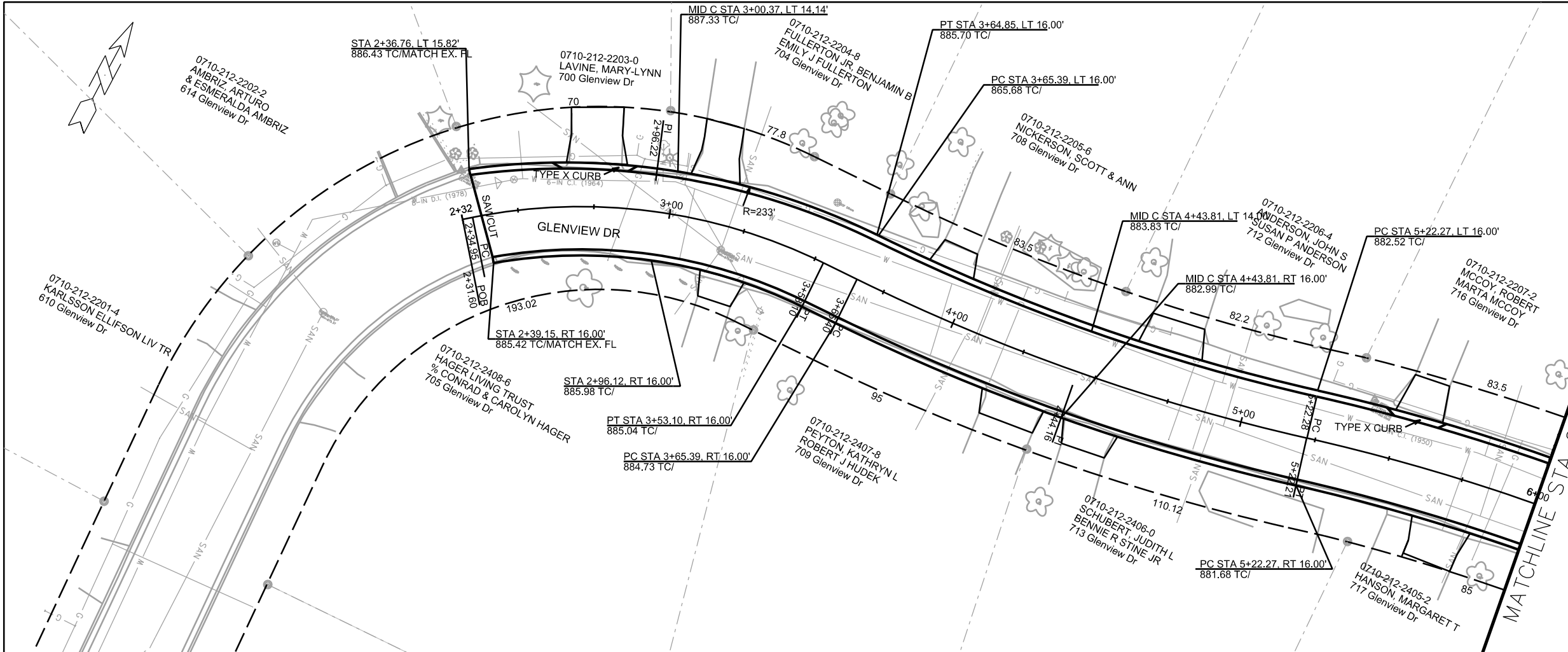


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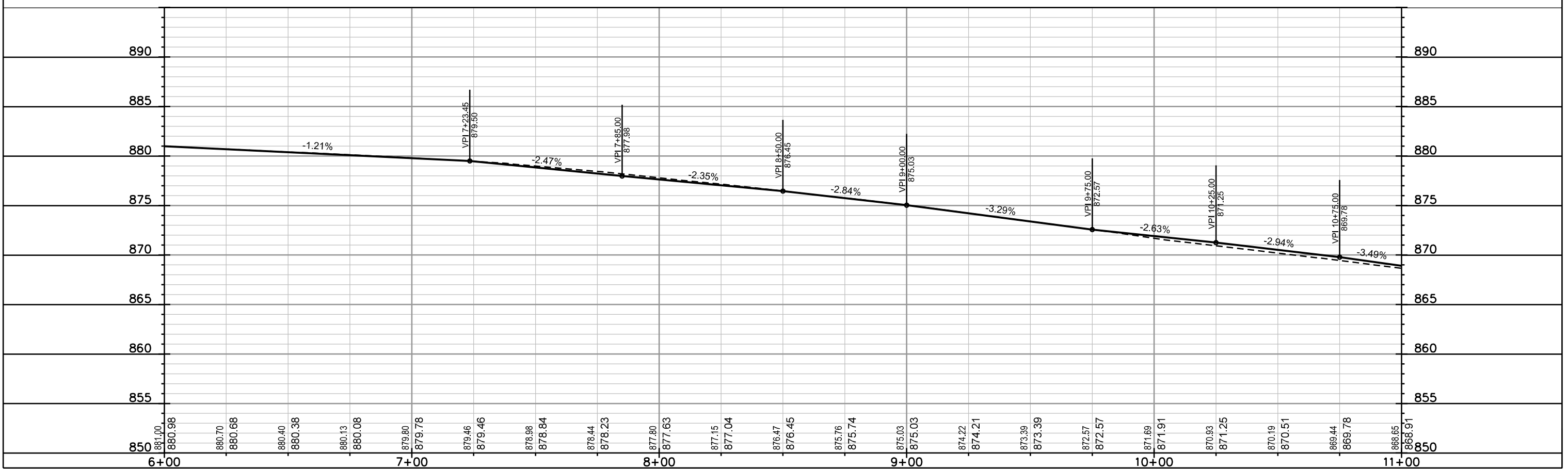
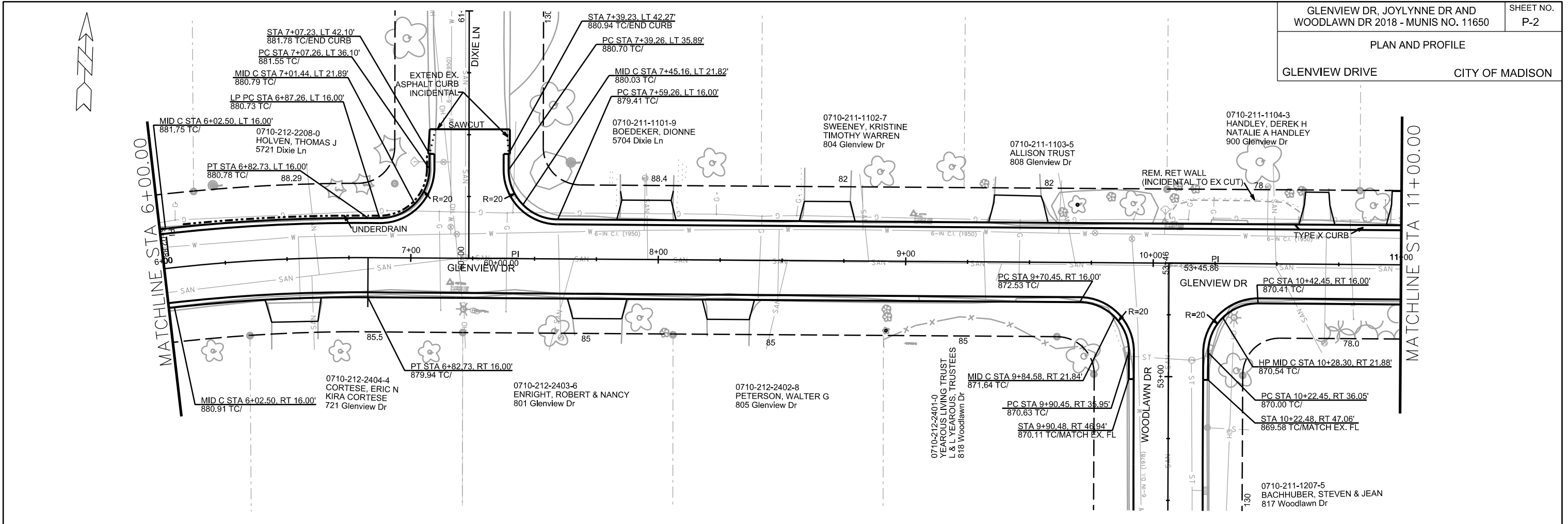
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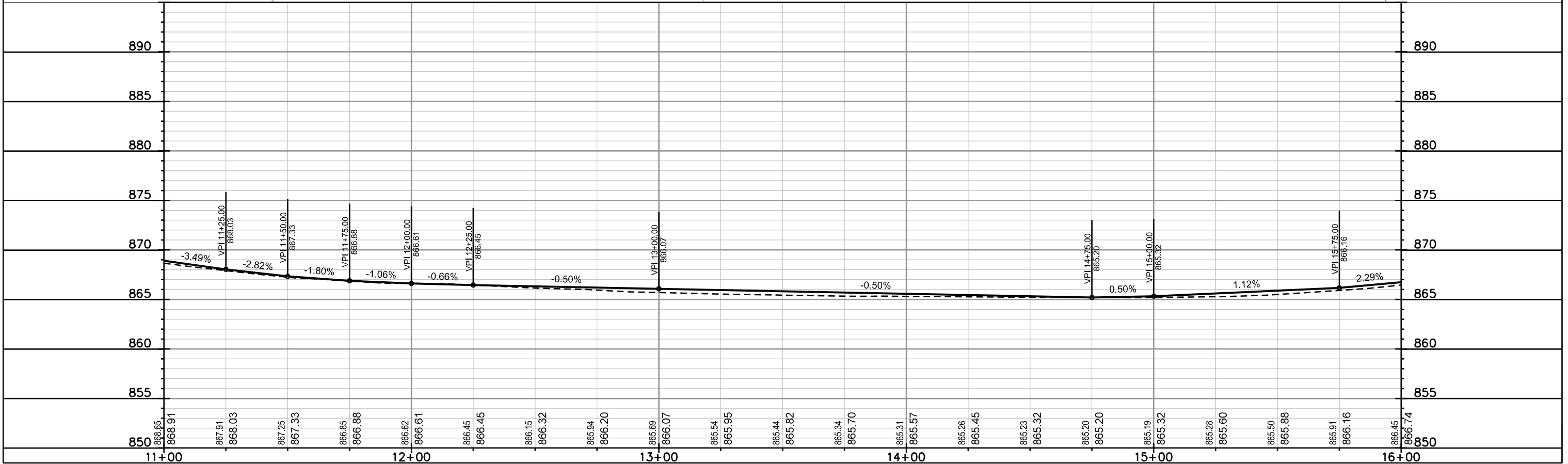
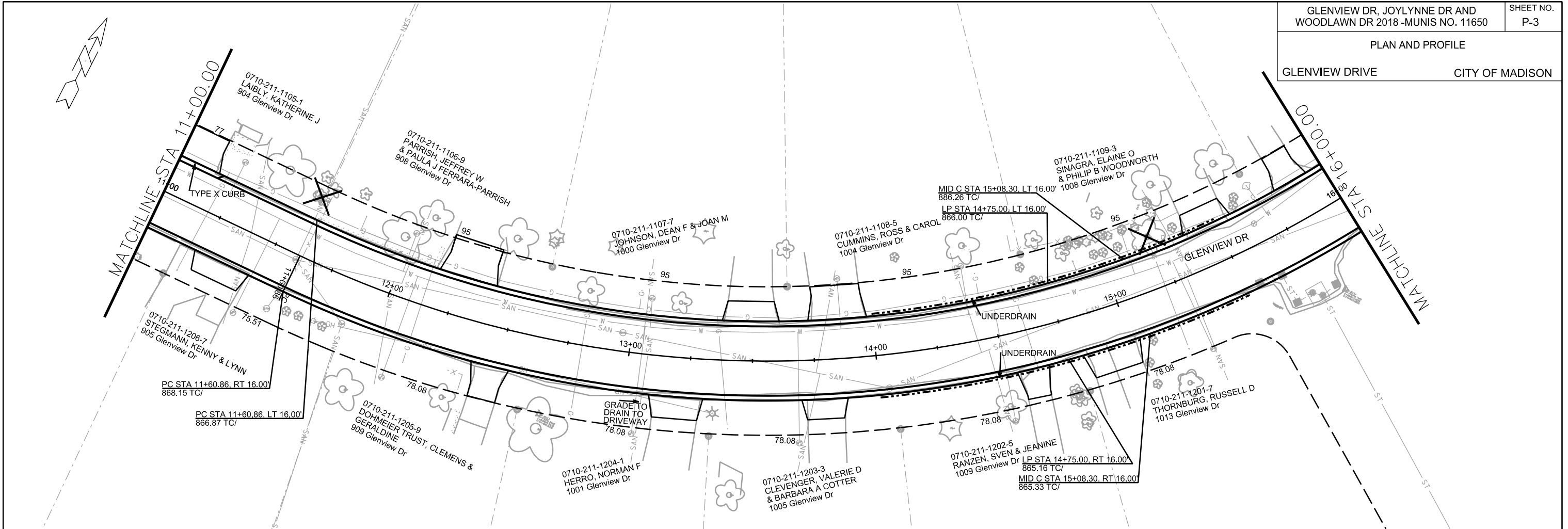


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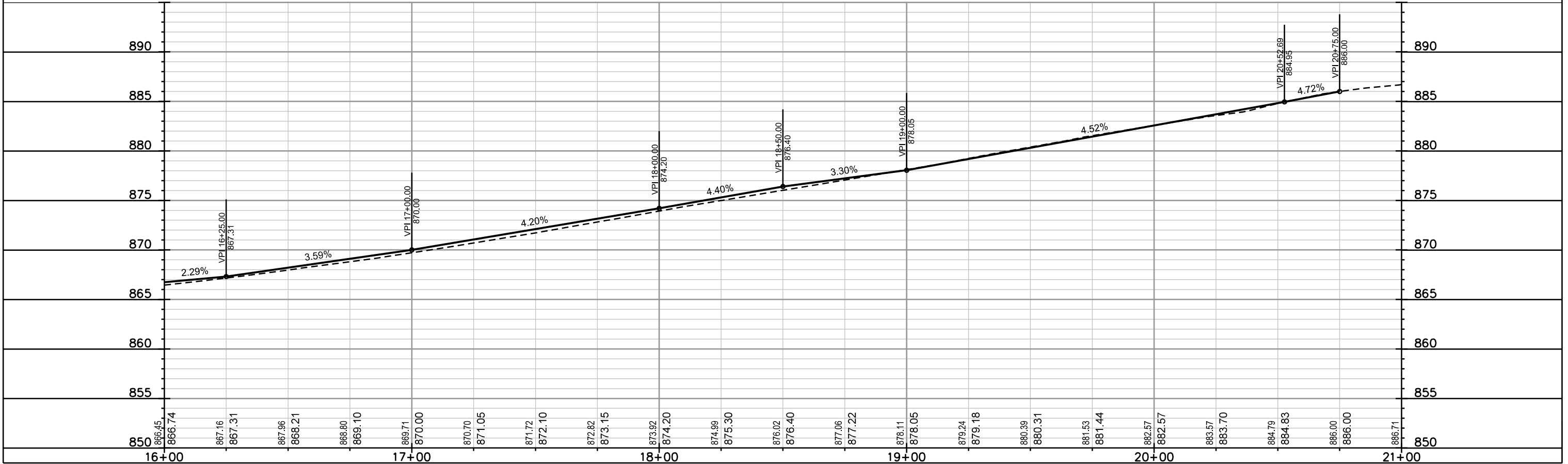
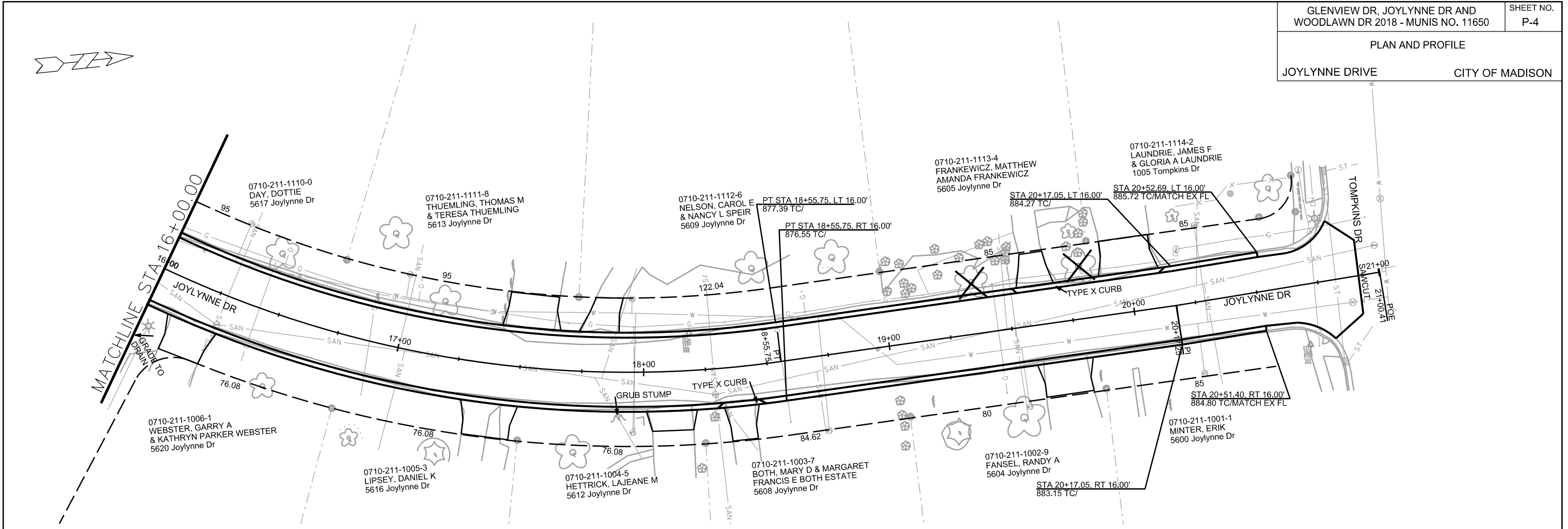


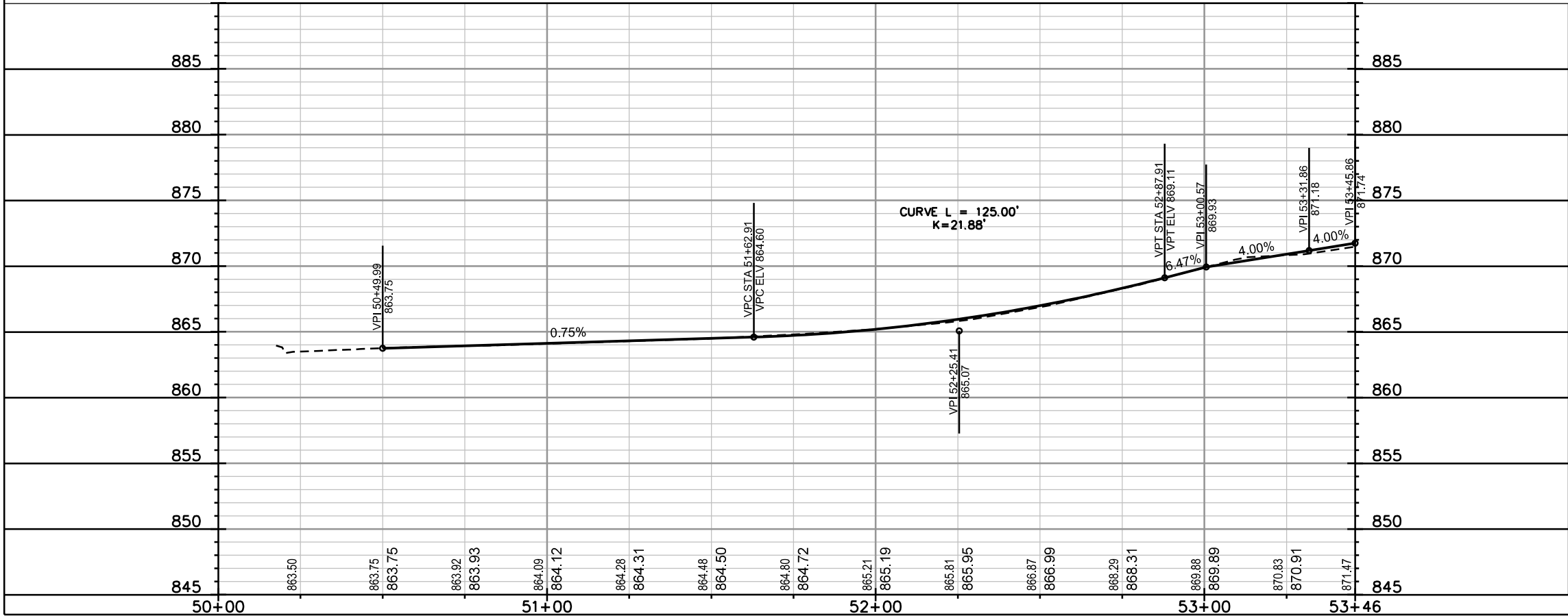
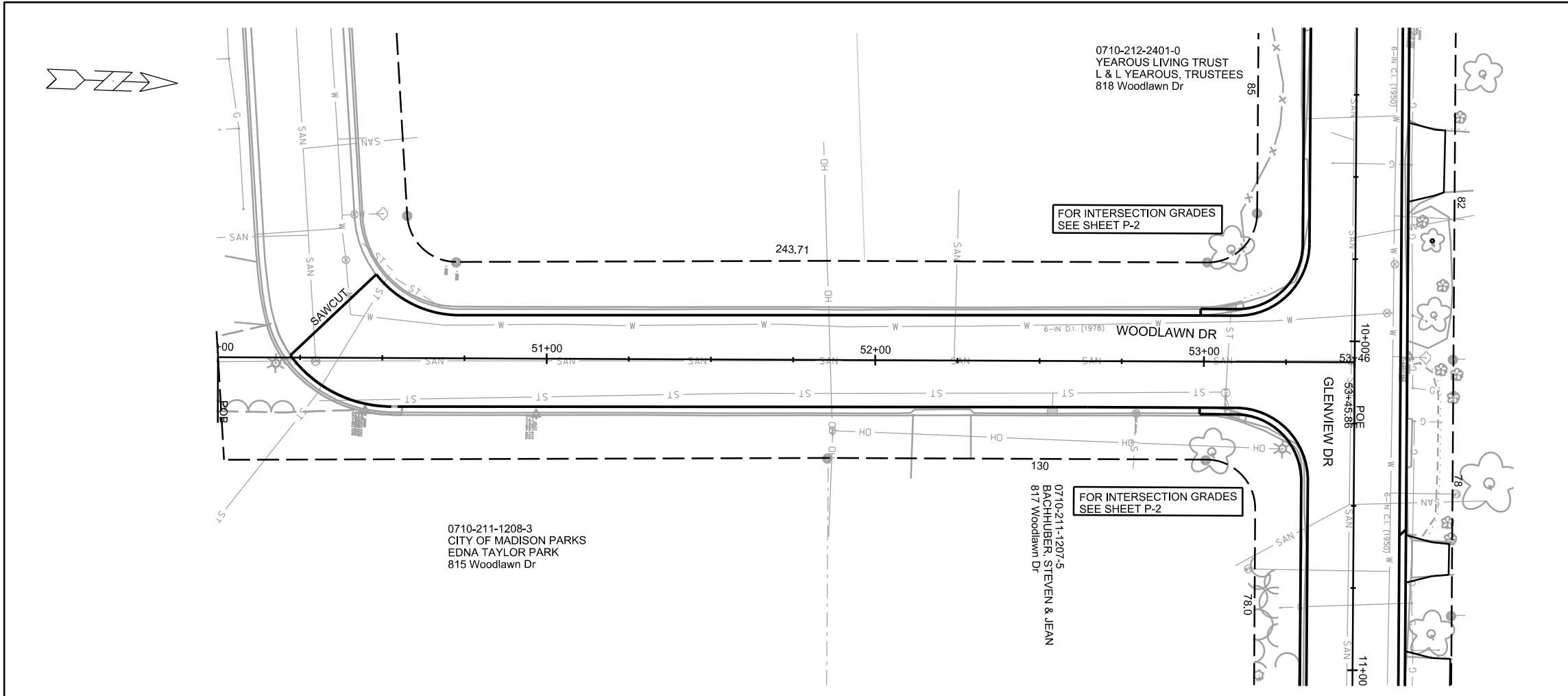
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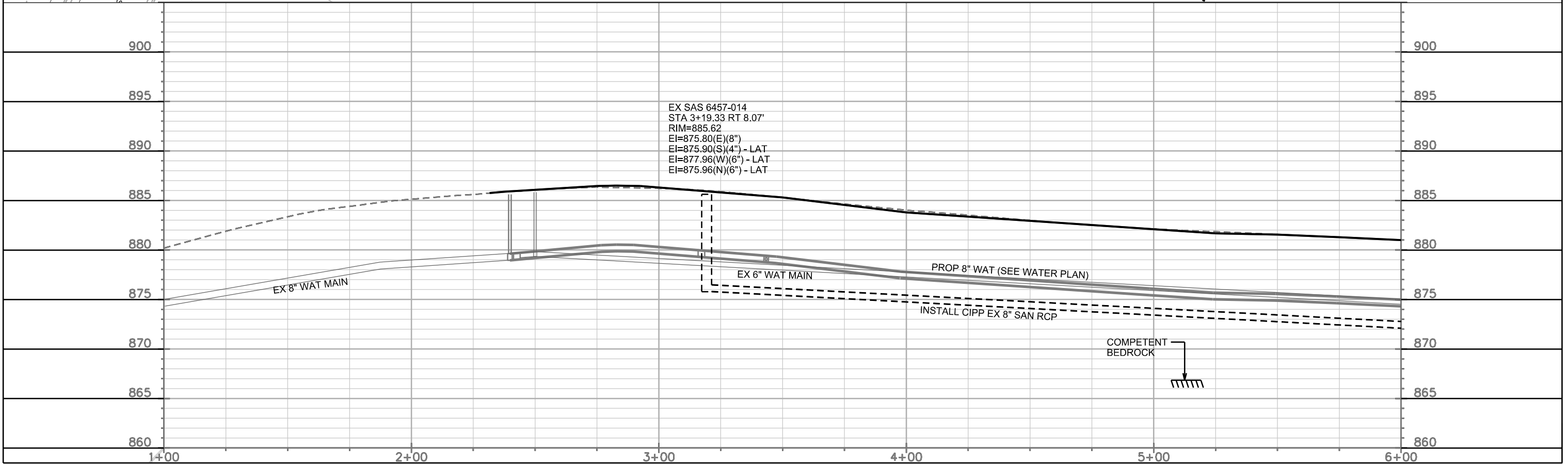
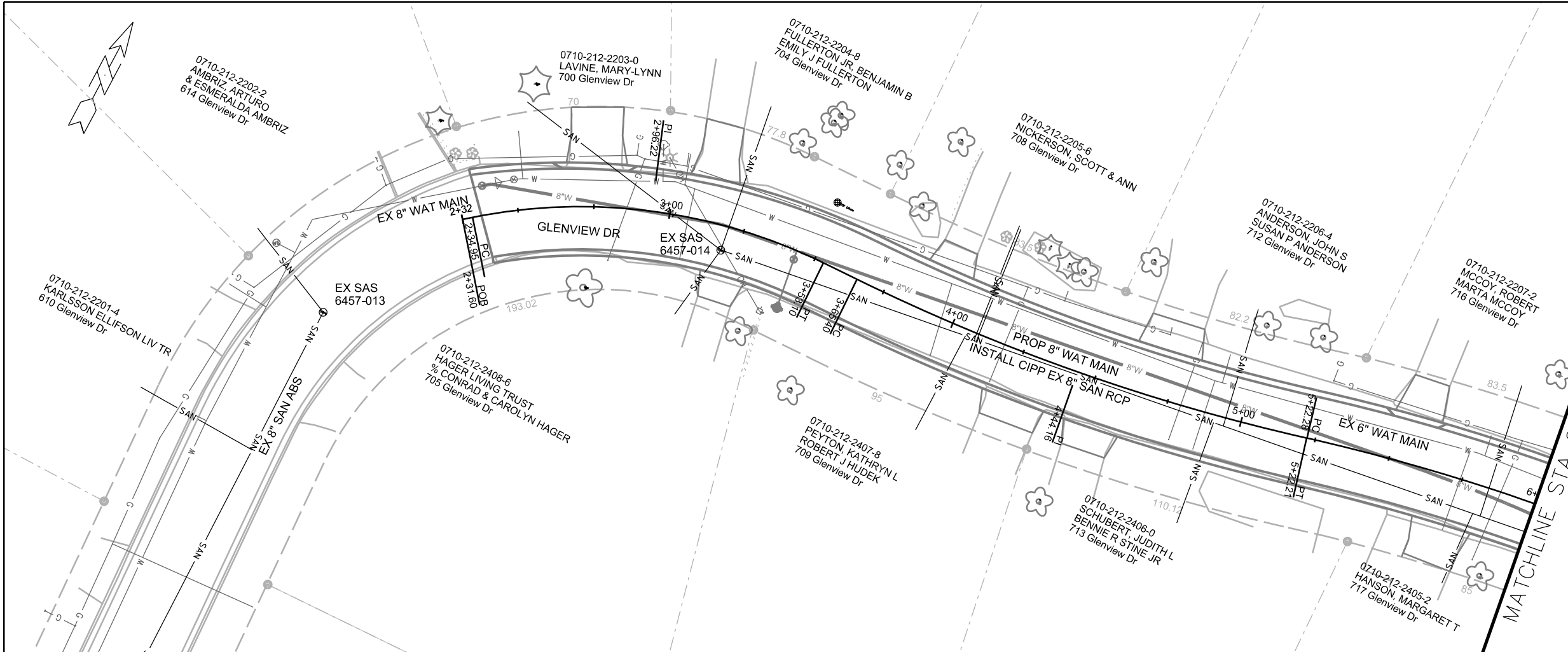


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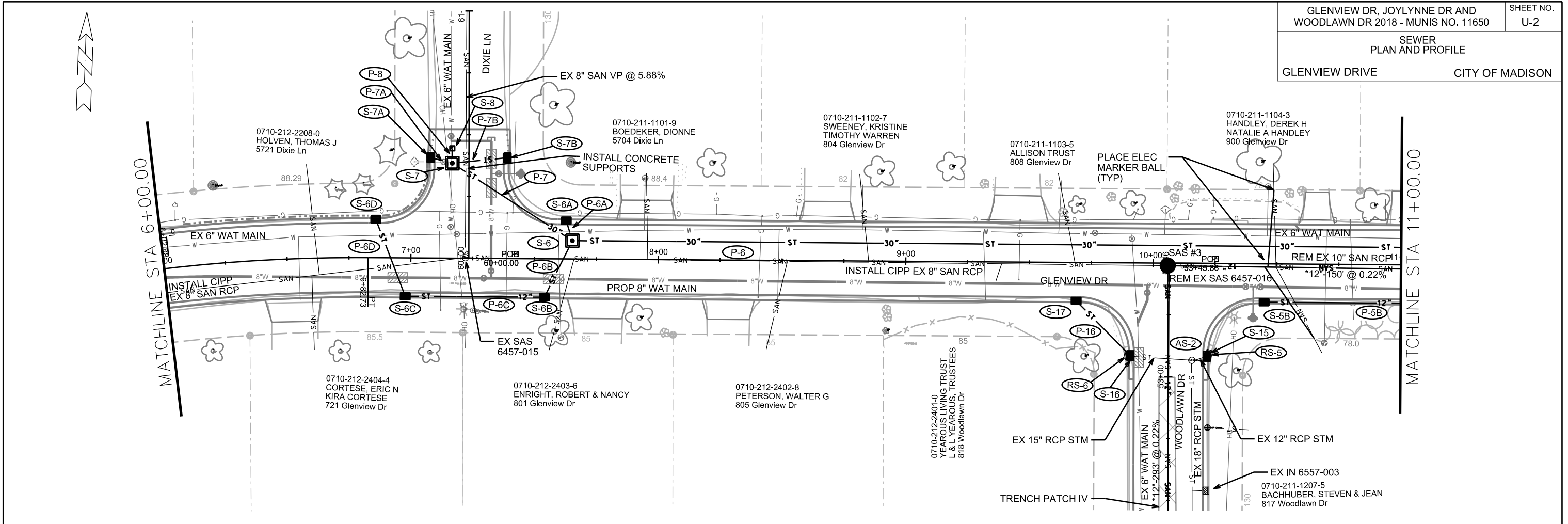
EX SAS 6457-014
 STA 3+19.33 RT 8.07'
 RIM=885.62
 EI=875.80(E)(8")
 EI=875.90(S)(4") - LAT
 EI=877.96(W)(6") - LAT
 EI=875.96(N)(6") - LAT

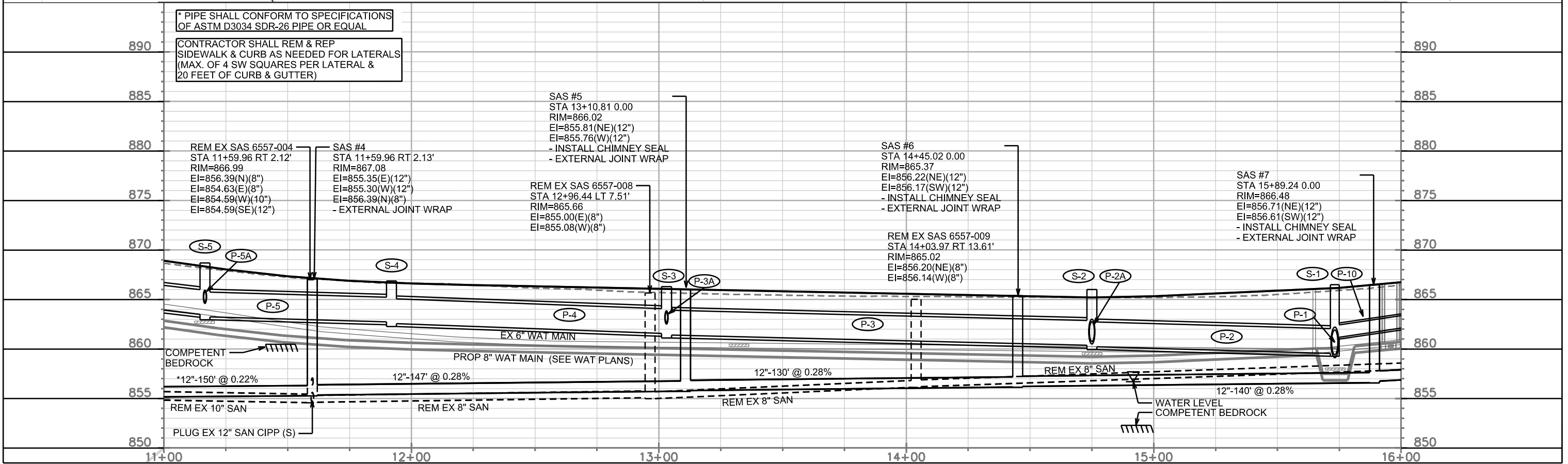
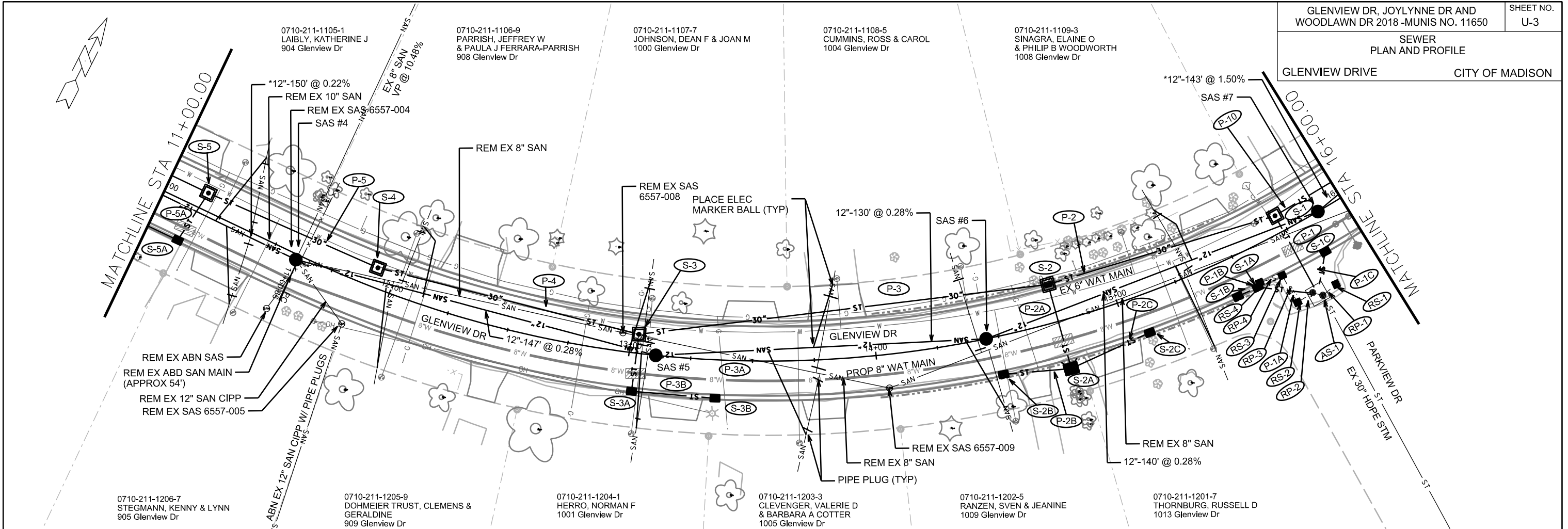
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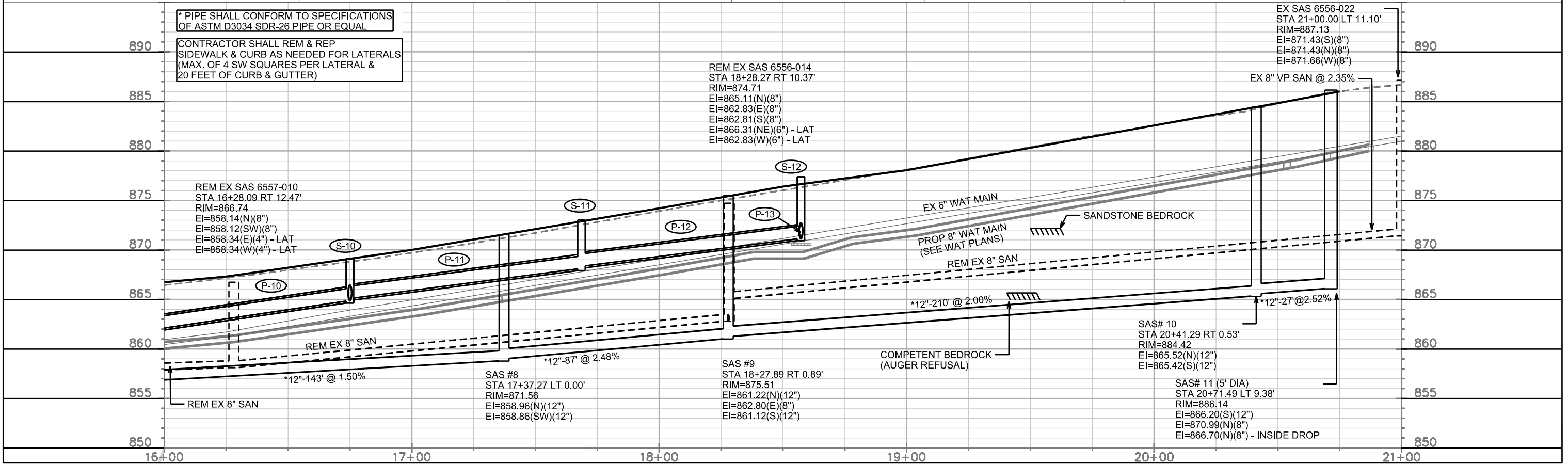
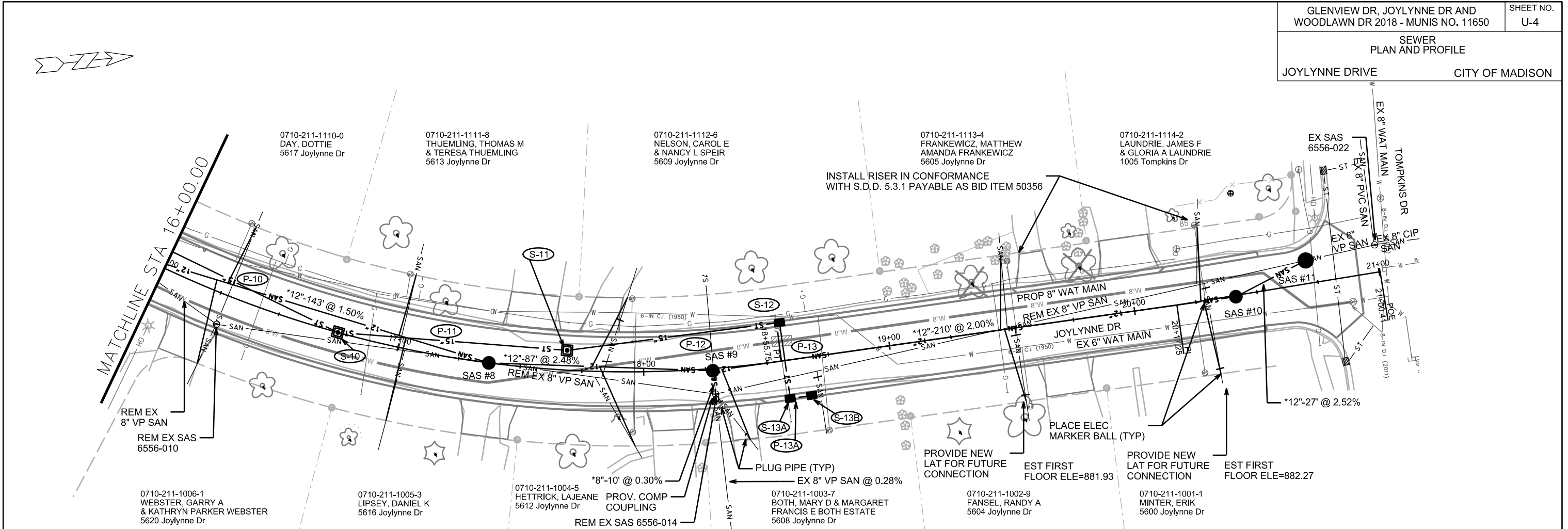


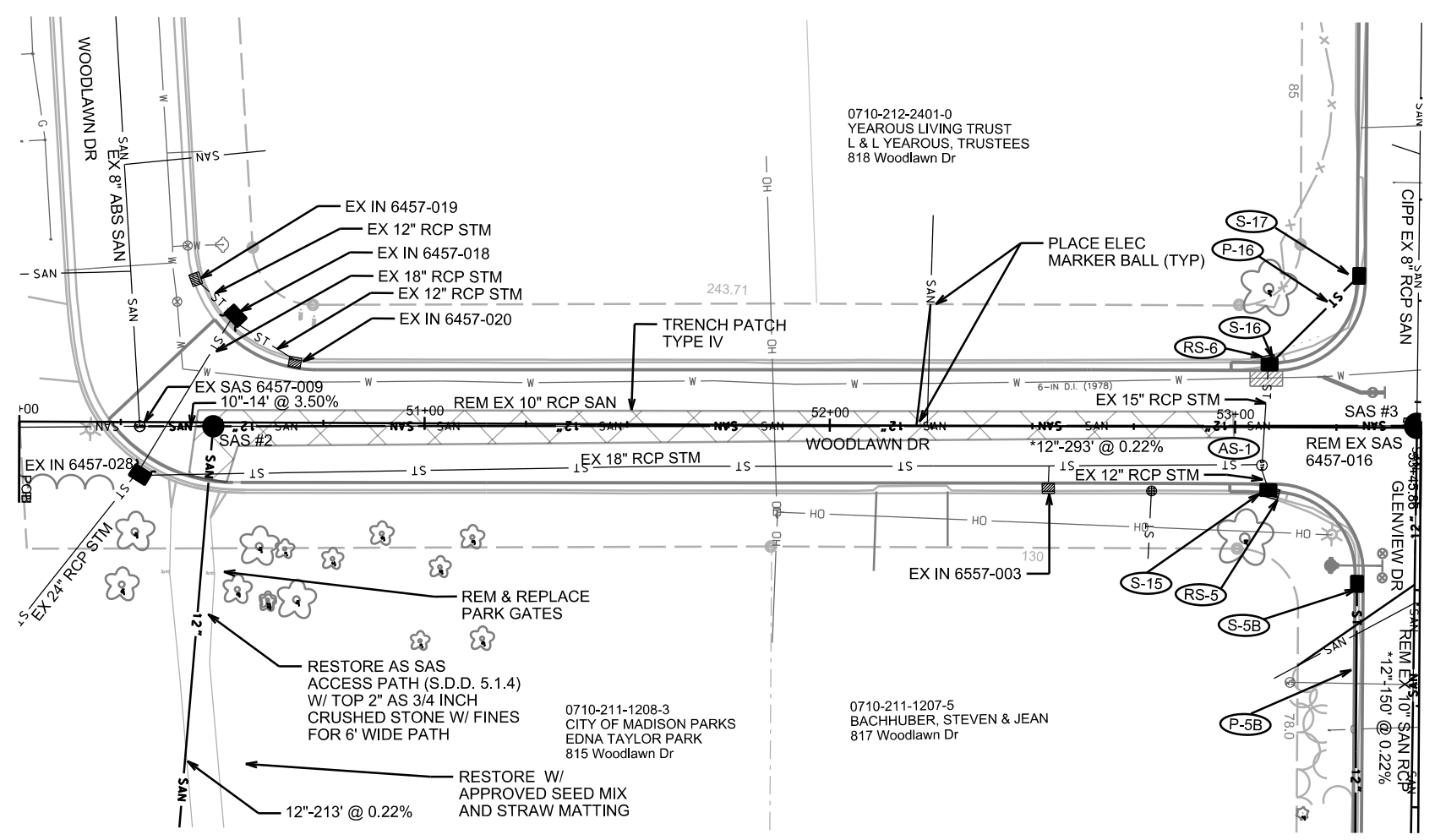
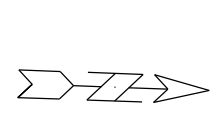


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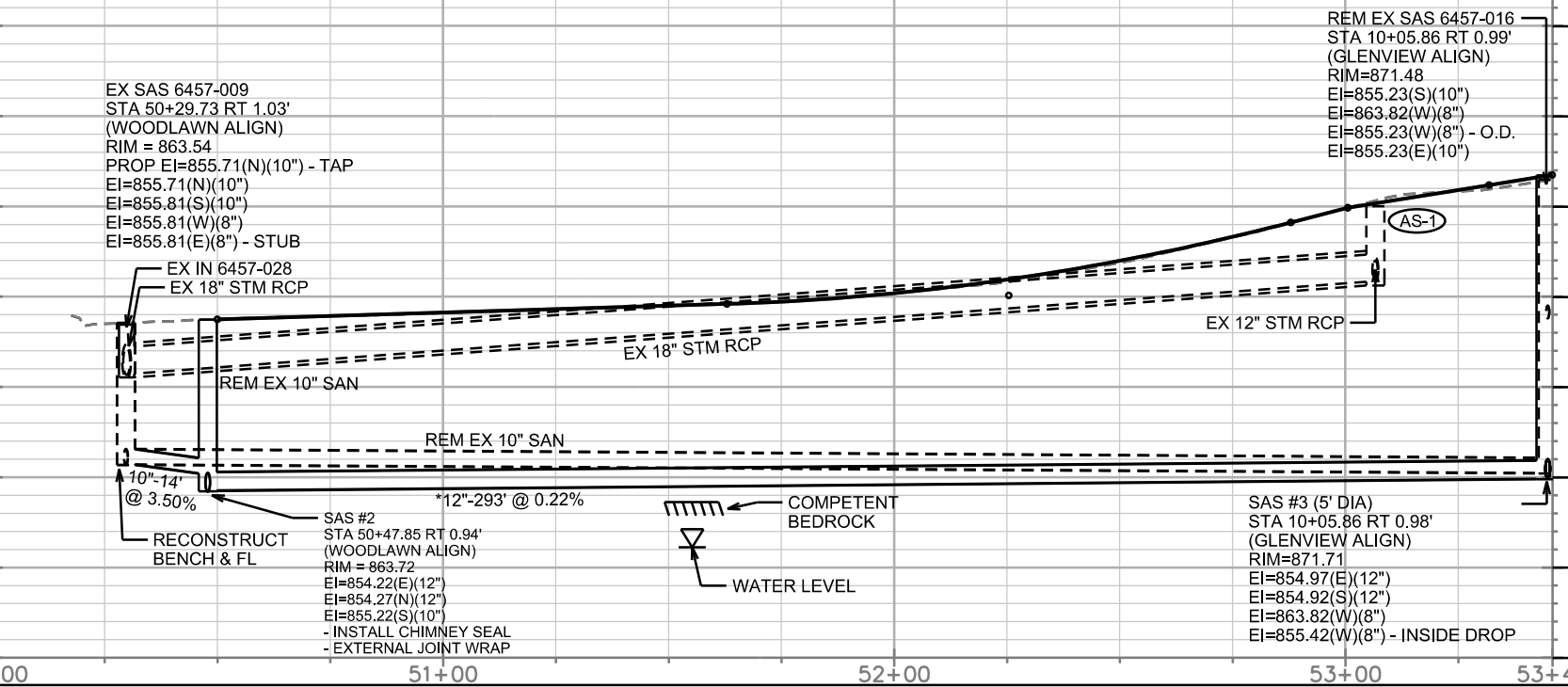
ORIGINATOR: CITY OF MADISON, STREETS DIVISION





* PIPE SHALL CONFORM TO SPECIFICATIONS OF ASTM D3034 SDR-26 PIPE OR EQUAL

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



EX SAS 6457-009
 STA 50+29.73 RT 1.03'
 (WOODLAWN ALIGN)
 RIM = 863.54
 PROP EI=855.71(N)(10") - TAP
 EI=855.71(N)(10")
 EI=855.81(S)(10")
 EI=855.81(W)(8")
 EI=855.81(E)(8") - STUB

EX IN 6457-028
 EX 18" STM RCP

RECONSTRUCT BENCH & FL

SAS #2
 STA 50+47.85 RT 0.94'
 (WOODLAWN ALIGN)
 RIM = 863.72
 EI=854.22(E)(12")
 EI=854.27(N)(12")
 EI=855.22(S)(10")
 - INSTALL CHIMNEY SEAL
 - EXTERNAL JOINT WRAP

COMPETENT BEDROCK

WATER LEVEL

REM EX SAS 6457-016
 STA 10+05.86 RT 0.99'
 (GLENVIEW ALIGN)
 RIM=871.48
 EI=855.23(S)(10")
 EI=863.82(W)(8")
 EI=855.23(W)(8") - O.D.
 EI=855.23(E)(10")

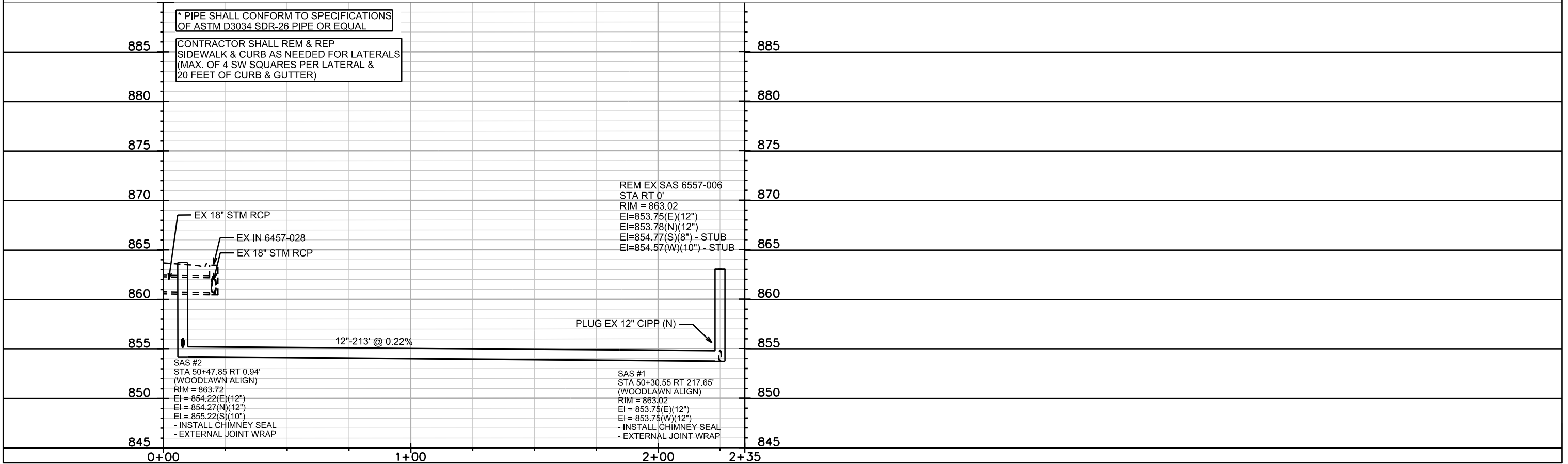
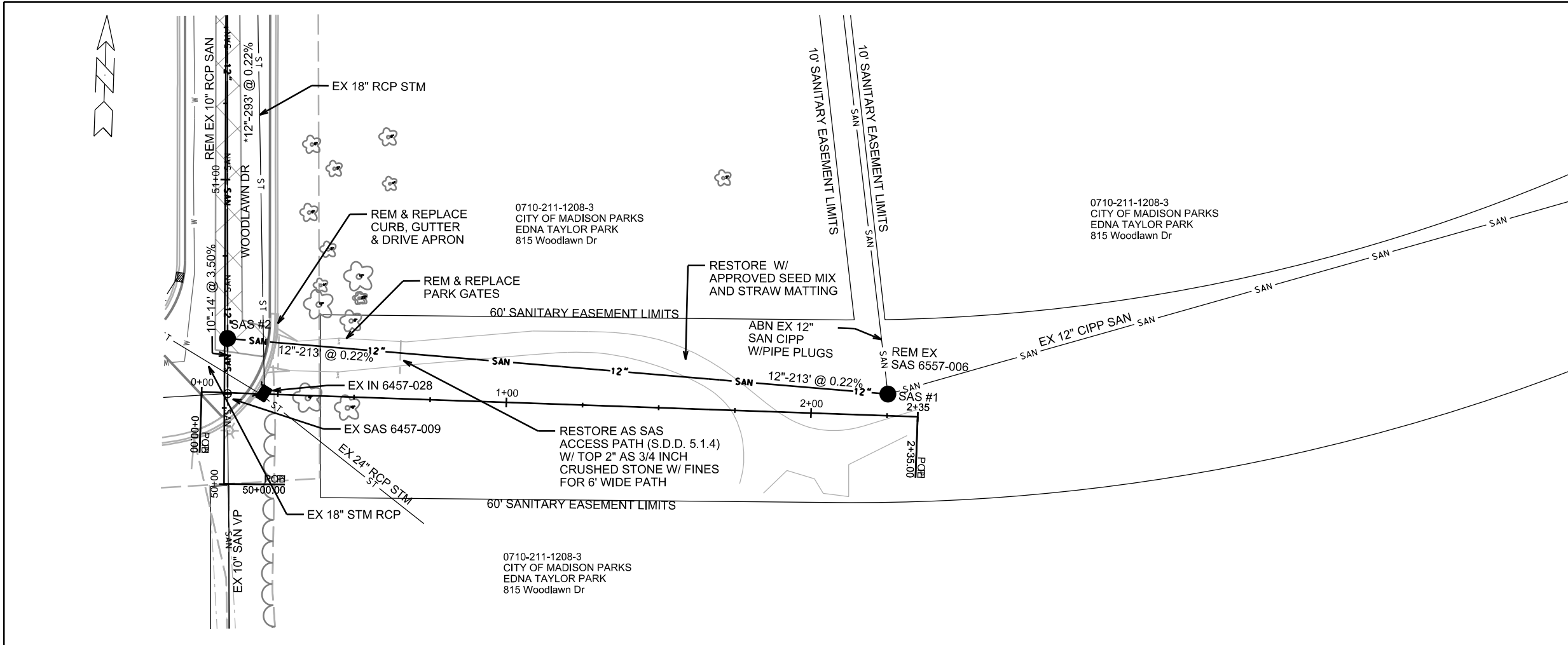
SAS #3 (5' DIA)
 STA 10+05.86 RT 0.98'
 (GLENVIEW ALIGN)
 RIM=871.71
 EI=854.97(E)(12")
 EI=854.92(S)(12")
 EI=863.82(W)(8")
 EI=855.42(W)(8") - INSIDE DROP

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

SANITARY SEWER SCHEDULE

| | |
|---|------------------|
| GLENVIEW DR, JOYLYNNE DR AND WOODLAWN DR 2018 - MUNIS NO 11650 | SHEET NO. U-7 |
| SANITARY SEWER SCHEDULE | |
| CITY OF MADISON | |

PROPOSED SANITARY STRUCTURES

| SAS NO. | STATION | LOCATION (OFFSET) | TOP OF CASTING | E.I. | DEPTH | NOTES |
|--------------------------------|----------|-------------------|----------------|--------|-------|----------------------|
| WOODLAWN DR | | | | | | |
| SAS #1 | 50+30.55 | RT-217.65 | 863.02 | 853.75 | 9.27 | (1)(2) |
| SAS #2 | 50+47.85 | RT-0.94 | 863.72 | 854.22 | 9.50 | (1)(2) |
| GLENVIEW DR/JOYLYNNE DR | | | | | | |
| SAS #3 | 10+05.86 | RT-0.98 | 871.71 | 854.92 | 16.79 | 5' SAS - INSIDE DROP |
| SAS #4 | 11+59.96 | RT-2.13 | 867.08 | 855.30 | 11.78 | (2) |
| SAS #5 | 13+10.81 | CL | 866.02 | 855.76 | 10.26 | (1)(2) |
| SAS #6 | 14+45.02 | CL | 865.37 | 856.17 | 9.20 | (1)(2) |
| SAS #7 | 15+89.24 | CL | 866.48 | 856.61 | 9.87 | (1)(2) |
| SAS #8 | 17+37.27 | CL | 871.56 | 858.86 | 12.70 | |
| SAS #9 | 18+27.89 | RT-0.89 | 875.51 | 861.12 | 14.39 | |
| SAS #10 | 20+41.29 | RT-0.53 | 884.42 | 865.42 | 19.00 | |
| SAS #11 | 20+71.49 | LT-9.38 | 886.14 | 866.20 | 19.94 | 5' SAS - INSIDE DROP |

REMOVE SANITARY STRUCTURES

| SAS NO. | STATION | LOCATION (OFFSET) | EX TOP OF CASTING | EX E.I. | DEPTH | NOTES |
|--------------------------------|----------|-------------------|-------------------|---------|-------|-------|
| WOODLAWN DR | | | | | | |
| SAS 6557-006 | 50+30.55 | RT-213.65 | 863.02 | 853.75 | 9.27 | |
| GLENVIEW DR/JOYLYNNE DR | | | | | | |
| SAS 6557-005 | 11+86.77 | RT-18.41 | 866.62 | 854.52 | 12.10 | |
| SAS EX ABN | 11+57.75 | RT-25.06 | 866.99 | | UNK | |
| SAS 6457-016 | 10+05.86 | RT-0.99 | 871.48 | 855.23 | 16.25 | |
| SAS 6557-004 | 11+59.96 | RT-2.12 | 866.99 | 854.59 | 12.40 | |
| SAS 6557-008 | 12+96.44 | LT-7.51 | 865.66 | 855.08 | 10.58 | |
| SAS 6567-009 | 14+03.97 | RT-13.61 | 865.02 | 856.14 | 8.88 | |
| SAS 6557-010 | 16+28.09 | RT-12.47 | 866.74 | 858.12 | 8.62 | |
| SAS 6556-014 | 3+19.33 | RT-8.07 | 885.62 | 875.80 | 9.82 | |

PROPOSED SANITARY PIPES

| FROM (DNSTM) | TO (UPSTM) | DWNSTRM E.I. | UPSTRM E.I. | PLAN (PAY) LGTH (FT) | SLOPE (%) | PIPE SIZE | PVC TYPE | NOTES |
|--------------------------------|---------------------|--------------|-------------|----------------------|-----------|-----------|----------|------------------------------|
| WOODLAWN DR | | | | | | | | |
| SAS #1 | SAS #2 | 853.75 | 854.22 | 213 | 0.22% | 12" | SDR-35 | |
| SAS #2 | EX SAS 6457-009 | 855.22 | 855.71 | 14 | 3.50% | 10" | SDR-35 | TAP; RECONSTRUCT BENCH & FL |
| SAS #2 | SAS #3 | 854.27 | 854.92 | 293 | 0.22% | 12" | SDR-26 | |
| GLENVIEW DR/JOYLYNNE DR | | | | | | | | |
| SAS #3 | SAS #4 | 854.97 | 855.30 | 150 | 0.22% | 12" | SDR-26 | |
| SAS #4 | SAS #5 | 855.35 | 855.76 | 147 | 0.28% | 12" | SDR-35 | |
| SAS #5 | SAS #6 | 855.81 | 856.17 | 130 | 0.28% | 12" | SDR-35 | |
| SAS #6 | SAS #7 | 856.22 | 856.61 | 140 | 0.28% | 12" | SDR-35 | |
| SAS #7 | SAS #8 | 856.71 | 858.86 | 143 | 1.50% | 12" | SDR-26 | |
| SAS #8 | SAS #9 | 858.96 | 861.12 | 87 | 2.48% | 12" | SDR-26 | |
| SAS #9 | 18+28.35, RT 12.37' | 862.80 | 862.83 | 10 | 0.30% | 8" | SDR-26 | PROVIDE COMPRESSION COUPLING |
| SAS #9 | SAS #10 | 861.22 | 865.42 | 210 | 2.00% | 12" | SDR-26 | |
| SAS #10 | SAS #11 | 865.52 | 866.20 | 27 | 2.52% | 12" | SDR-26 | |

PROPOSED CIPP SANITARY PIPES

| FROM (DNSTM) | TO (UPSTM) | DWNSTRM E.I. | UPSTRM E.I. | PLAN (PAY) LGTH (FT) | SLOPE (%) | PIPE SIZE | NOTES |
|--------------------------------|-----------------|--------------|-------------|----------------------|-----------|-----------|-------|
| GLENVIEW DR/JOYLYNNE DR | | | | | | | |
| SAS #3 | EX SAS 6457-015 | 863.82 | 870.34 | 284 | 2.30% | 8" | |
| EX SAS 6457-015 | EX SAS 6457-014 | 870.50 | 875.80 | 401 | 1.32% | 8" | |

REMOVE SANITARY PIPES

| REMOVE FROM | REMOVE TO | LENGTH (ft) | PAID (Y/N) | SIZE (DIA) | PIPE TYPE | NOTES |
|--------------------------------|---------------------|-------------|------------|------------|-----------|-----------------------|
| WOODLAWN DR | | | | | | |
| SAS 6457-009 | SAS 6457-016 | 315 | N | 10" | RCP | |
| GLENVIEW DR/JOYLYNNE DR | | | | | | |
| SAS 6457-016 | SAS 6557-004 | 154 | N | 10" | RCP | |
| SAS 6557-005 | SAS 6557-004 | 32 | Y | 12" | CIPP | |
| SAS 6557-006 | SAS 6557-005 | 313 | Y | 12" | CIPP | ABANDON W/ PIPE PLUGS |
| SAS EX ABN | 11+62.70, LT-30.00' | 54 | Y | UNK | UNK | |
| SAS 6557-004 | SAS 6557-008 | 135 | Y | 8" | VP | |
| SAS 6557-008 | SAS 6567-009 | 110 | Y | 8" | VP | |
| SAS 6567-009 | SAS 6557-010 | 228 | Y | 8" | VP | |
| SAS 6557-010 | SAS 6556-014 | 204 | Y | 8" | VP | |
| SAS 6556-014 | SAS #11 | 247 | Y | 8" | VP | |

SPECIFIC NOTES

- (1) INSTALL CHIMNEY SEAL
- (2) EXTERNAL WRAP BARREL JOINTS

STORM SEWER SCHEDULE

| | |
|---|------------------|
| GLENVIEW DR, JOYLYNNE DR AND WOODLAWN DR 2018 - MUNIS NO 11650 | SHEET NO. U-8 |
| STORM SEWER SCHEDULE | |
| CITY OF MADISON | |

PROPOSED STORM STRUCTURES

| STRUC. NO. | STATION | LOCATION (OFFSET) | TYPE | TOP OF CASTING | E.I. | DEPTH (ft) | NOTES |
|--------------------------------|----------|-------------------|------------------|----------------|--------|------------|-------------------------------|
| GLENVIEW DR/JOYLYNNE DR | | | | | | | |
| S-1 | 15+73.16 | LT-7.00 | 4'x4' SAS | 866.49 | 859.42 | 7.07 | W/1550-0054 |
| S-1A | 15+54.02 | RT-15.50 | H INLET | 865.13 | 860.80 | 4.33 | W/3067-7004-V |
| S-1B | 15+45.47 | RT-15.50 | H INLET | 865.29 | 862.07 | 3.22 | FP;W/3067-7004-V |
| S-1C | 15+83.80 | RT-15.50 | H INLET | 866.04 | 860.62 | 5.42 | W/3067-7004-V |
| S-2 | 14+74.99 | LT-15.50 | 4'x4' SAS | 866.00 | 860.25 | 5.75 | LP;W/3067-7004-VB |
| S-2A | 14+75.01 | RT-19.73 | TERRACE INLET II | 865.16 | 861.07 | 4.09 | LP;FP;SEE S.D.D 5.7.12A(1)(4) |
| S-2B | 14+48.91 | RT-15.50 | H INLET | 865.09 | 862.24 | 2.85 | FP;W/3067-7004-V |
| S-2C | 15+08.30 | RT-15.50 | H INLET | 865.33 | 862.30 | 3.03 | FP;W/3067-7004-V |
| S-3 | 13+03.09 | LT-7.71 | 4'x4' SAS | 866.29 | 861.43 | 4.86 | W/1550-0054 |
| S-3A | 13+02.84 | RT-15.50 | H INLET | 865.54 | 863.23 | 2.31 | FP;W/3067-7004-V |
| S-3B | 13+35.55 | RT-15.50 | H INLET | 865.37 | 863.03 | 2.34 | FP;W/3067-7004-V |
| S-4 | 11+91.94 | LT-8.00 | 4'x4' SAS | 866.86 | 862.60 | 4.26 | W/1550-0054 |
| S-5 | 11+16.54 | LT-7.00 | 4'x4' SAS | 868.68 | 863.27 | 5.41 | W/1550-0054 |
| S-5A | 11+13.48 | RT-15.50 | H INLET | 868.11 | 865.11 | 3.00 | FP;W/3067-7004-V |
| S-5B | 10+44.95 | RT-15.50 | H INLET | 870.29 | 866.19 | 4.10 | W/3067-7004-V |
| S-6 | 7+65.22 | LT-7.44 | 4'x4' SAS | 878.58 | 873.79 | 4.79 | W/1550-0054 |
| S-6A | 7+62.68 | LT-15.50 | H INLET | 879.41 | 875.40 | 4.01 | W/3067-7004-V |
| S-6B | 7+54.07 | RT-15.50 | H INLET | 878.71 | 875.11 | 3.60 | W/3067-7004-V |
| S-6C | 6+97.84 | RT-15.50 | H INLET | 879.92 | 876.51 | 3.41 | W/3067-7004-V |
| S-6D | 6+85.76 | LT-15.50 | H INLET | 880.73 | 876.92 | 3.81 | W/3067-7004-V |
| S-7 | 7+16.51 | LT-38.42 | 4'x4' SAS | 880.85 | 875.21 | 5.64 | W/1550-0054 |
| S-7A | 7+07.74 | LT-40.61 | H INLET | 881.78 | 876.86 | 4.92 | W/3067-7004-V |
| S-7B | 7+38.74 | LT-40.77 | H INLET | 880.94 | 877.10 | 3.84 | W/3067-7004-V |
| S-8 | 7+16.47 | LT-44.42 | PIPE PLUG | - | 875.71 | - | PLACE ELEC MARKER BALL |
| S-10 | 16+75.00 | CL | 3'x3' SAS | 869.10 | 864.94 | 4.16 | W/1550-0054 |
| S-11 | 17+68.58 | LT-7.97 | 3'x3' SAS | 873.04 | 868.19 | 4.85 | W/1550-0054 |
| S-12 | 18+57.25 | LT-15.50 | H INLET | 877.39 | 871.21 | 6.18 | W/3067-7004-V |
| S-13A | 18+57.25 | RT-15.50 | H INLET | 876.55 | 872.18 | 4.37 | W/3067-7004-V |
| S-13B | 18+66.08 | RT-15.50 | H INLET | 879.93 | 872.30 | 7.63 | W/3067-7004-V |
| S-17 | 9+68.95 | RT-15.50 | H INLET | 872.53 | 868.92 | 3.61 | W/3067-7004-V |
| WOODLAWN DR | | | | | | | |
| S-15 | 53+08.27 | RT-15.50 | H INLET | 870.00 | 866.87 | 3.13 | FP;W/3067-7004-V (2) |
| S-16 | 53+08.44 | LT-15.50 | H INLET | 870.63 | 868.10 | 2.53 | FP;W/3067-7004-V (3) |

PROPOSED STORM PIPES

| PIPE NO. | FROM (DNSTM) | TO (UPSTM) | DISCH. E.I. | INLET E.I. | PLAN (PAY) LGTH (FT) | PIPE LGTH (FT) | SLOPE (%) | PIPE SIZE | TYPE | NOTES |
|--------------------------------|--------------|------------|-------------|------------|----------------------|----------------|-----------|-----------|--------|-----------------------|
| GLENVIEW DR/JOYLYNNE DR | | | | | | | | | | |
| P-1 | AS-1 | S-1 | 859.17 | 859.42 | 36.0 | 31 | 0.81% | 30" | TYPE 2 | TAP AS-1 (N) |
| P-1A | AS-1 | S-1A | 860.42 | 860.80 | 24.5 | 19 | 2.00% | 15" | TYPE 2 | TAP AS-1 (W) |
| P-1B | S-1A | S-1B | 862.07 | 862.10 | 9.0 | 6 | 0.50% | 15" | TYPE 2 | |
| P-1C | AS-1 | S-1C | 860.42 | 860.62 | 17 | 12 | 1.67% | 15" | TYPE 2 | TAP AS-1 (E) |
| P-2 | S-1 | S-2 | 859.52 | 860.25 | 96.0 | 92 | 0.79% | 30" | TYPE 2 | |
| P-2A | S-2 | S-2A | 860.75 | 861.07 | 35.0 | 32 | 1.00% | 24" | TYPE 2 | |
| P-2B | S-2A | S-4B | 862.07 | 862.24 | 27.5 | 24 | 0.71% | 12" | TYPE 2 | |
| P-2C | S-2A | S-4C | 862.07 | 862.30 | 35.0 | 31 | 0.74% | 12" | TYPE 2 | |
| P-3 | S-2 | S-3 | 860.35 | 861.43 | 166.5 | 163 | 0.66% | 30" | TYPE 2 | |
| P-3A | S-3 | S-3A | 862.68 | 862.80 | 23.0 | 20 | 0.60% | 12" | TYPE 2 | NCM |
| P-3B | S-3A | S-3B | 862.80 | 862.97 | 34.0 | 31 | 0.55% | 12" | TYPE 2 | |
| P-4 | S-3 | S-4 | 861.53 | 862.60 | 109.0 | 105 | 1.02% | 30" | TYPE 2 | |
| P-5 | S-4 | S-5 | 862.70 | 863.27 | 75.0 | 71 | 0.80% | 30" | TYPE 2 | |
| P-5A | S-5 | S-5A | 864.77 | 865.11 | 23.0 | 20 | 1.70% | 12" | TYPE 2 | |
| P-5B | S-5A | S-5B | 865.21 | 866.19 | 68.5 | 66 | 1.48% | 12" | TYPE 2 | |
| P-6 | S-5 | S-6 | 863.37 | 873.79 | 351.5 | 347 | 3.00% | 30" | TYPE 2 | |
| P-6A | S-6 | S-6A | 875.29 | 875.40 | 8.5 | 5 | 2.20% | 12" | TYPE 2 | |
| P-6B | S-6 | S-6B | 875.04 | 875.11 | 25.5 | 22 | 0.32% | 12" | TYPE 2 | |
| P-6C | S-6B | S-6C | 875.84 | 876.51 | 56.0 | 53 | 1.26% | 12" | TYPE 2 | |
| P-6D | S-6C | S-6D | 876.61 | 876.92 | 33.0 | 31 | 1.00% | 12" | TYPE 2 | |
| P-7 | S-6 | S-7 | 873.89 | 875.21 | 58.0 | 53 | 2.49% | 30" | TYPE 2 | INSTALL CONC SUPPORTS |
| P-7A | S-7 | S-7A | 876.71 | 876.86 | 9.0 | 6 | 2.50% | 12" | TYPE 2 | |
| P-7B | S-7 | S-7D | 876.71 | 877.10 | 22.5 | 19 | 2.05% | 12" | TYPE 2 | |
| P-8 | S-7 | S-8 | 875.71 | 875.85 | 6.0 | 4 | 3.50% | 24" | TYPE 2 | |
| P-10 | S-1 | S-10 | 861.04 | 864.94 | 101.0 | 98 | 3.98% | 15" | TYPE 2 | |
| P-11 | S-10 | S-11 | 865.04 | 868.19 | 93.0 | 90 | 3.50% | 15" | TYPE 2 | |
| P-12 | S-11 | S-12 | 868.29 | 871.21 | 86.5 | 84 | 3.48% | 15" | TYPE 2 | |
| P-13 | S-12 | S-13A | 871.46 | 872.18 | 31.0 | 29 | 2.48% | 12" | TYPE 2 | |
| P-13A | S-13A | S-13B | 872.18 | 872.30 | 9.0 | 6 | 2.00% | 12" | TYPE 2 | |
| P-16 | S-16 | S-17 | 868.35 | 868.92 | 31.0 | 28 | 2.04% | 12" | TYPE 2 | |

NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

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; UD = UNDERDRAIN

- 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 DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

SPECIFIC NOTES

(1) GRATE ELEVATION 0.2 FT BELOW TOC ELEVATION

(2) RECONNECT TO EX 12" RCP

(3) RECONNECT TO EX 15" RCP

(4) WITH 3 FT SUMP TO BE CONSTRUCTED BELOW INVERT LISTED ON SCHEDULE

STORM SEWER SCHEDULE

| | |
|---|------------------|
| GLENVIEW DR, JOYLYNNE DR AND WOODLAWN DR 2018 - MUNIS NO 11650 | SHEET NO. U-9 |
| STORM SEWER SCHEDULE | |
| CITY OF MADISON | |

REMOVE STORM STRUCTURES

| STRUC. NO. | ID NO. | STATION | LOCATION (OFFSET) | TYPE | NOTES |
|--------------------------------|-------------|----------|-------------------|-------------|-------|
| GLENVIEW DR/JOYLYNNE DR | | | | | |
| RS-1 | IN 6557-025 | 15+81.23 | RT-29.12 | EX. H Inlet | |
| RS-2 | IN 6557-026 | 15+65.12 | RT-28.18 | EX. H Inlet | |
| RS-3 | IN 6557-024 | 15+64.57 | RT-15.74 | EX. H Inlet | |
| RS-4 | IN 6557-022 | 15+55.50 | RT-14.22 | EX. H Inlet | |
| RS-5 | IN 6557-002 | 10+21.97 | RT-37.55 | EX. H Inlet | |
| RS-6 | IN 6557-001 | 9+90.96 | RT-37.46 | EX. H Inlet | |

REMOVE STORM PIPES

| REMOVE NO. | REMOVE FROM | REMOVE TO | LGTH (FT) | PIPE SIZE | PIPE TYPE | PAID (Y/N) | NOTES |
|--------------------------------|-------------|-----------|-----------|-----------|-----------|------------|-------|
| GLENVIEW DR/JOYLYNNE DR | | | | | | | |
| RP-1 | AS-1 | RS-1 | 4 | 12" | RCP | Y | |
| RP-2 | RS-1 | RS-2 | 5 | 18" | RCP | Y | |
| RP-3 | RS-2 | RS-3 | 10 | 18" | RCP | Y | |
| RP-4 | RS-3 | RS-4 | 6 | 12" | RCP | Y | |

STORM SEWER ULOs

| ULO NO. | STATION | LOCATION (OFFSET) | TYPE | NOTES |
|--------------------------------|---------|-------------------|--------|-------|
| GLENVIEW DR/JOYLYNNE DR | | | | |
| ULO1 | | | UNDIST | |
| ULO2 | | | UNDIST | |
| ULO3 | | | UNDIST | |
| ULO4 | | | UNDIST | |
| ULO5 | | | UNDIST | |
| ULO6 | | | UNDIST | |

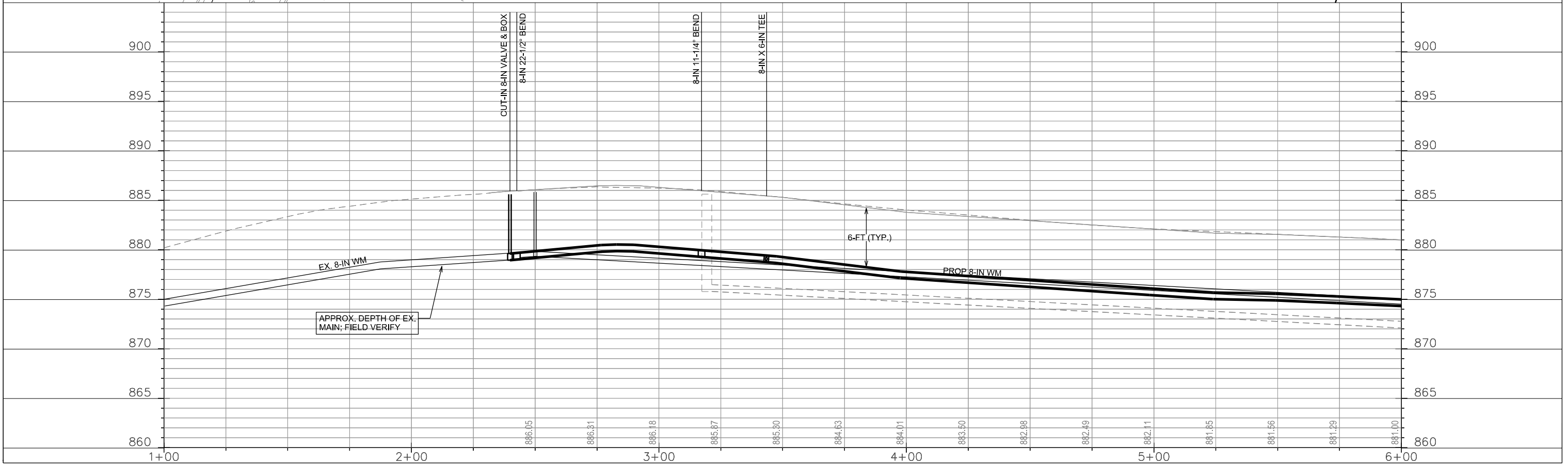
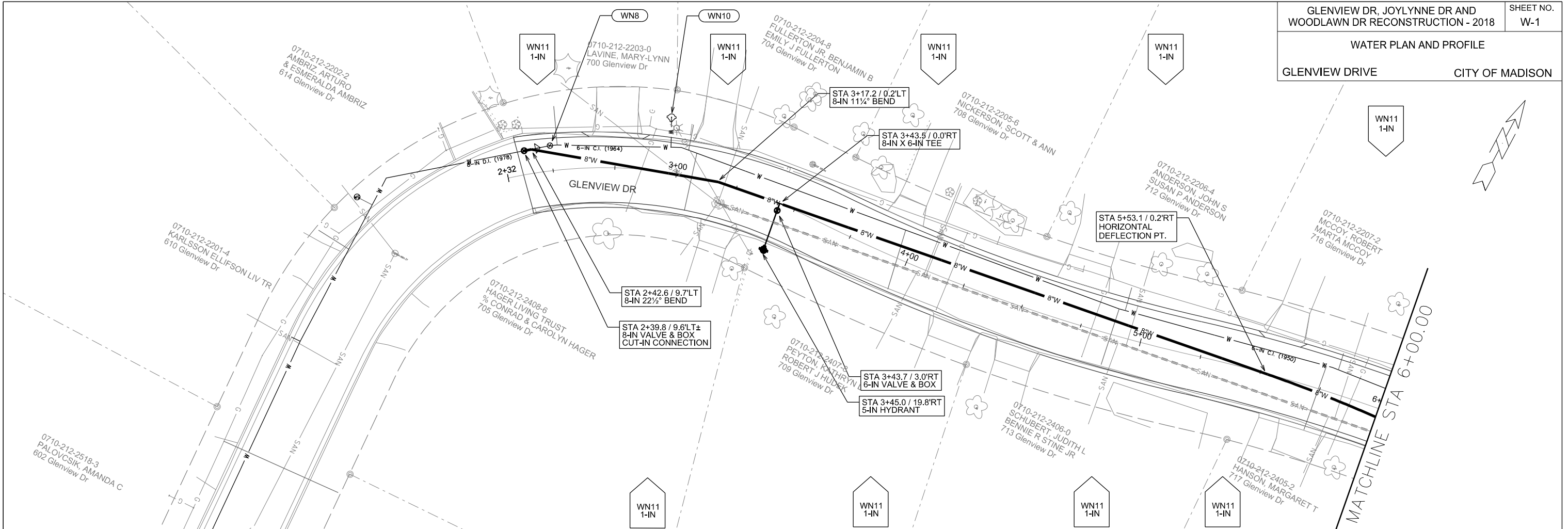
STORM STRUCTURE ADJUSTMENTS

| ADJUST NO. | STATION | LOCATION (OFFSET) | EX. TOC ELEV. | ADJUST ELEV. | ADJUST DIFF. | NOTES |
|--------------------------------|----------|-------------------|---------------|--------------|--------------|----------------|
| GLENVIEW DR/JOYLYNNE DR | | | | | | |
| AS-1 | 15+73.40 | 28.97 | 864.18 | 864.18 | 0 | EX CB 6557-026 |
| AS-2 | 10+15.87 | 39.17 | 870.01 | 869.71 | -0.3 | EX AS 6557-005 |

SPECIFIC NOTES

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; UD = UNDERDRAIN
- 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 DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

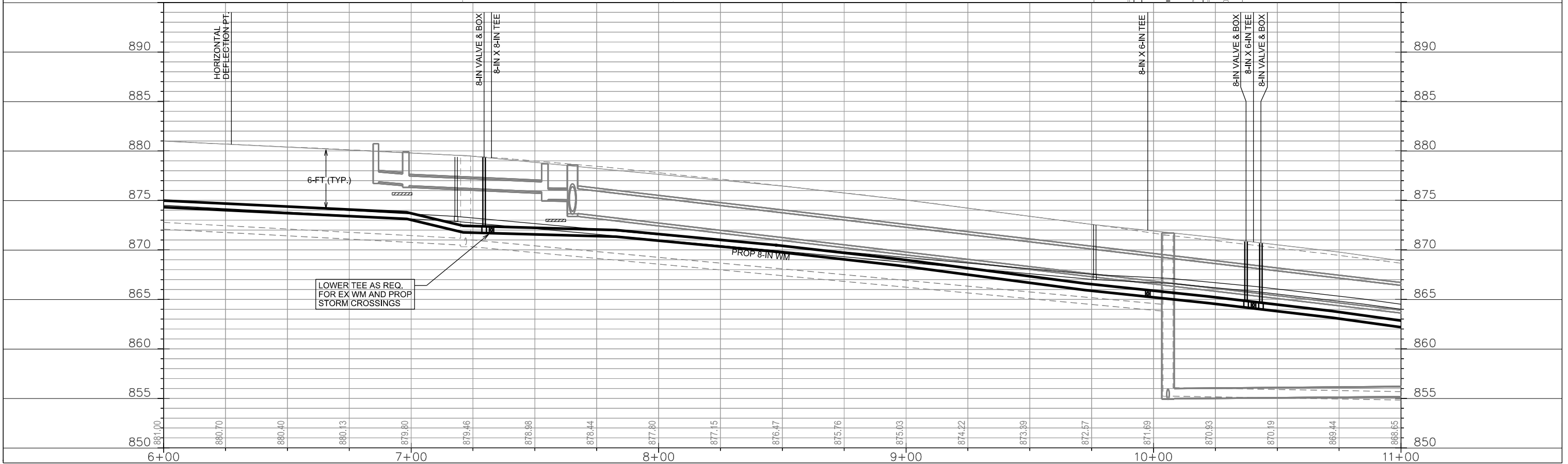
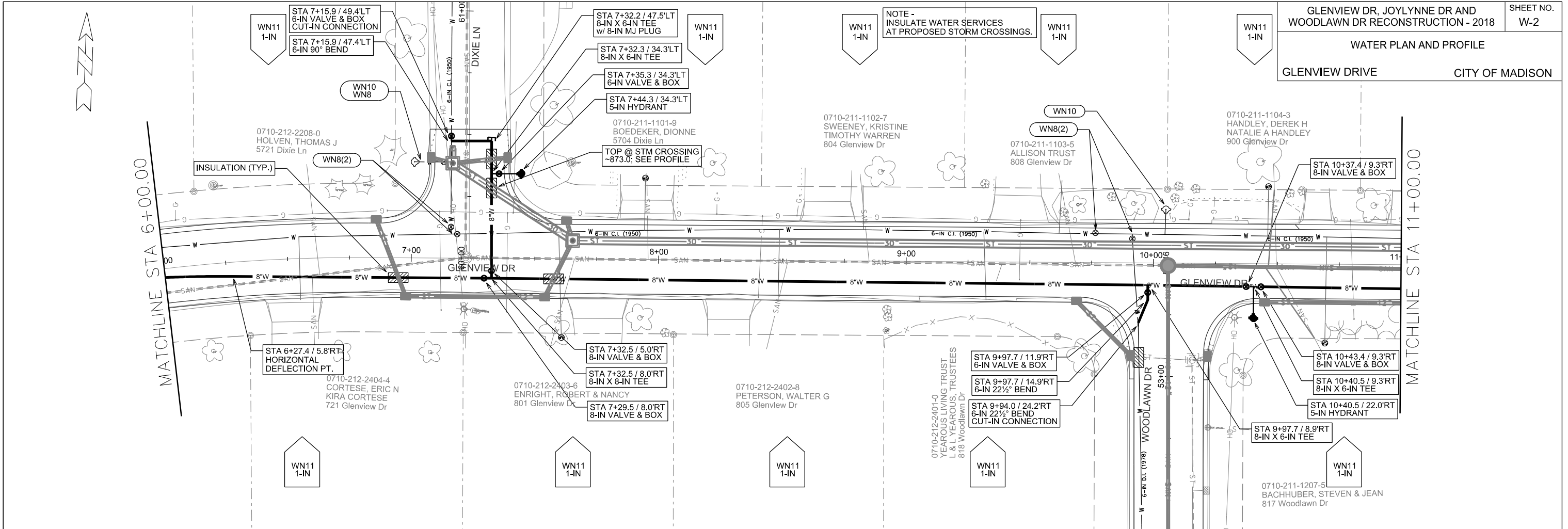


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



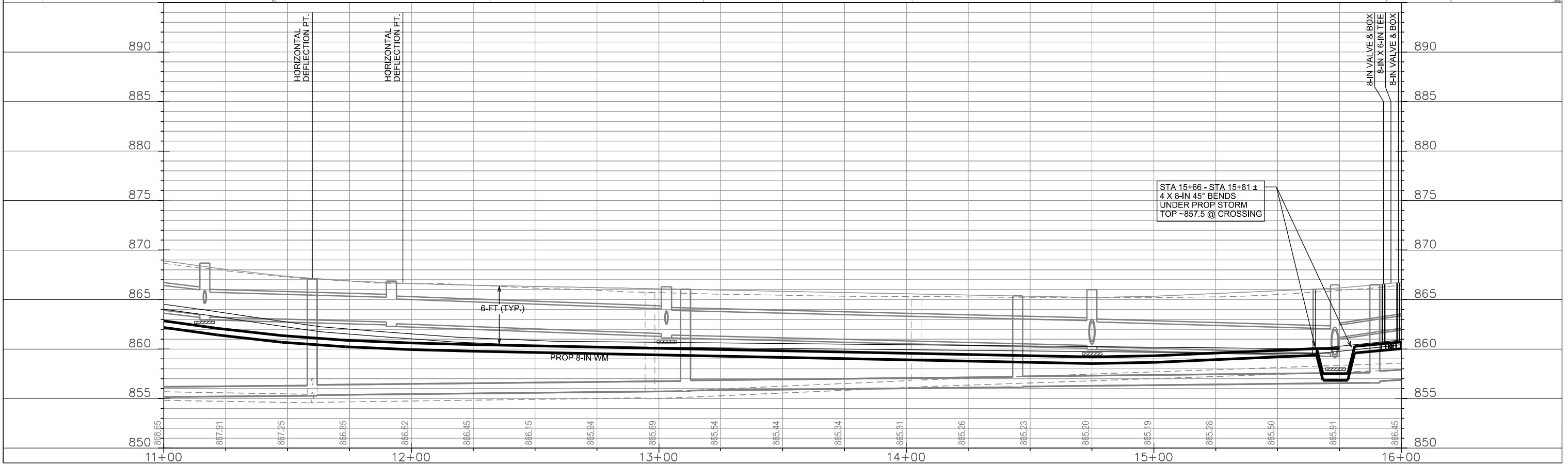
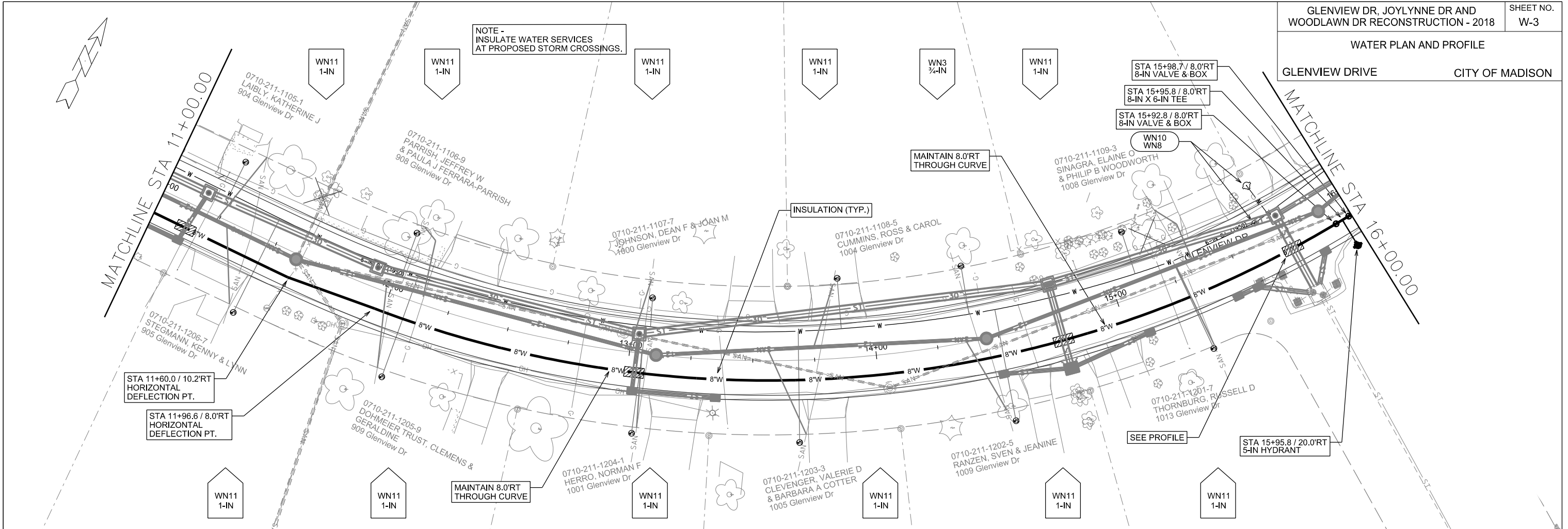
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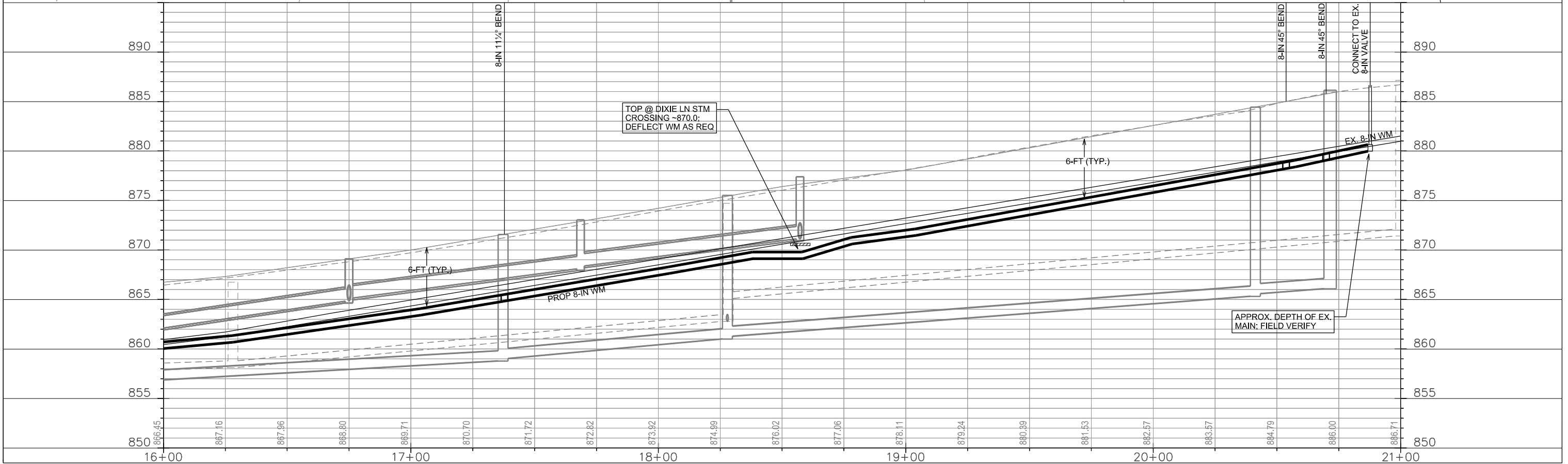
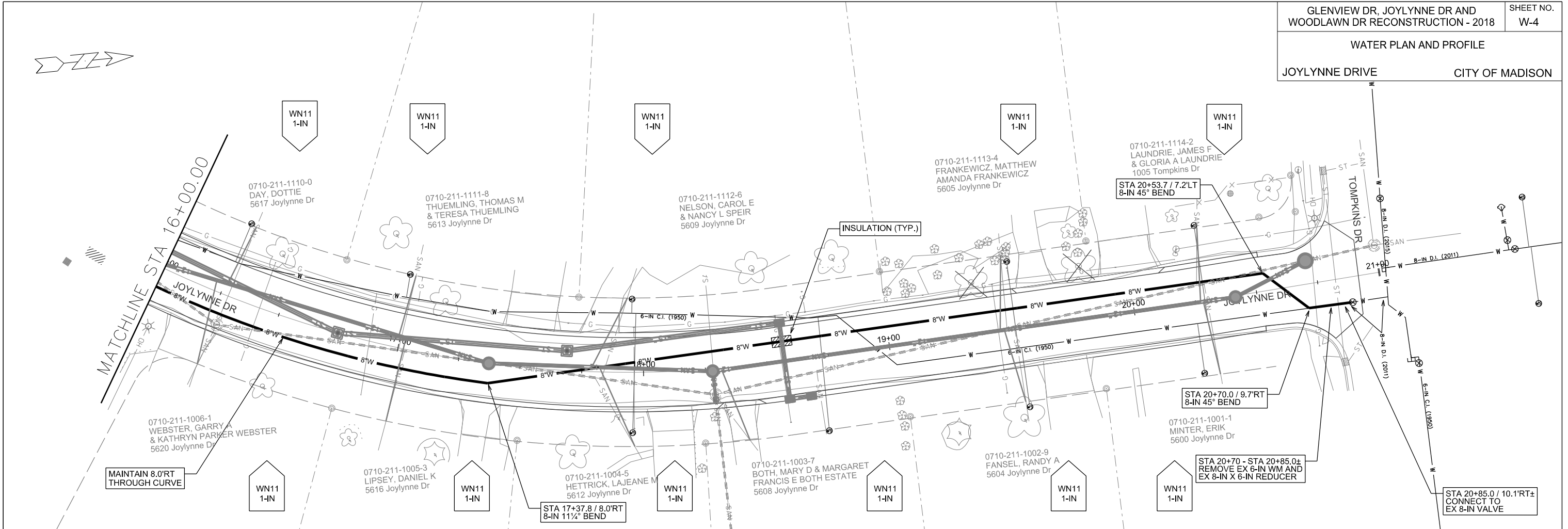
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NOTE - INSULATE WATER SERVICES AT PROPOSED STORM CROSSINGS.



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

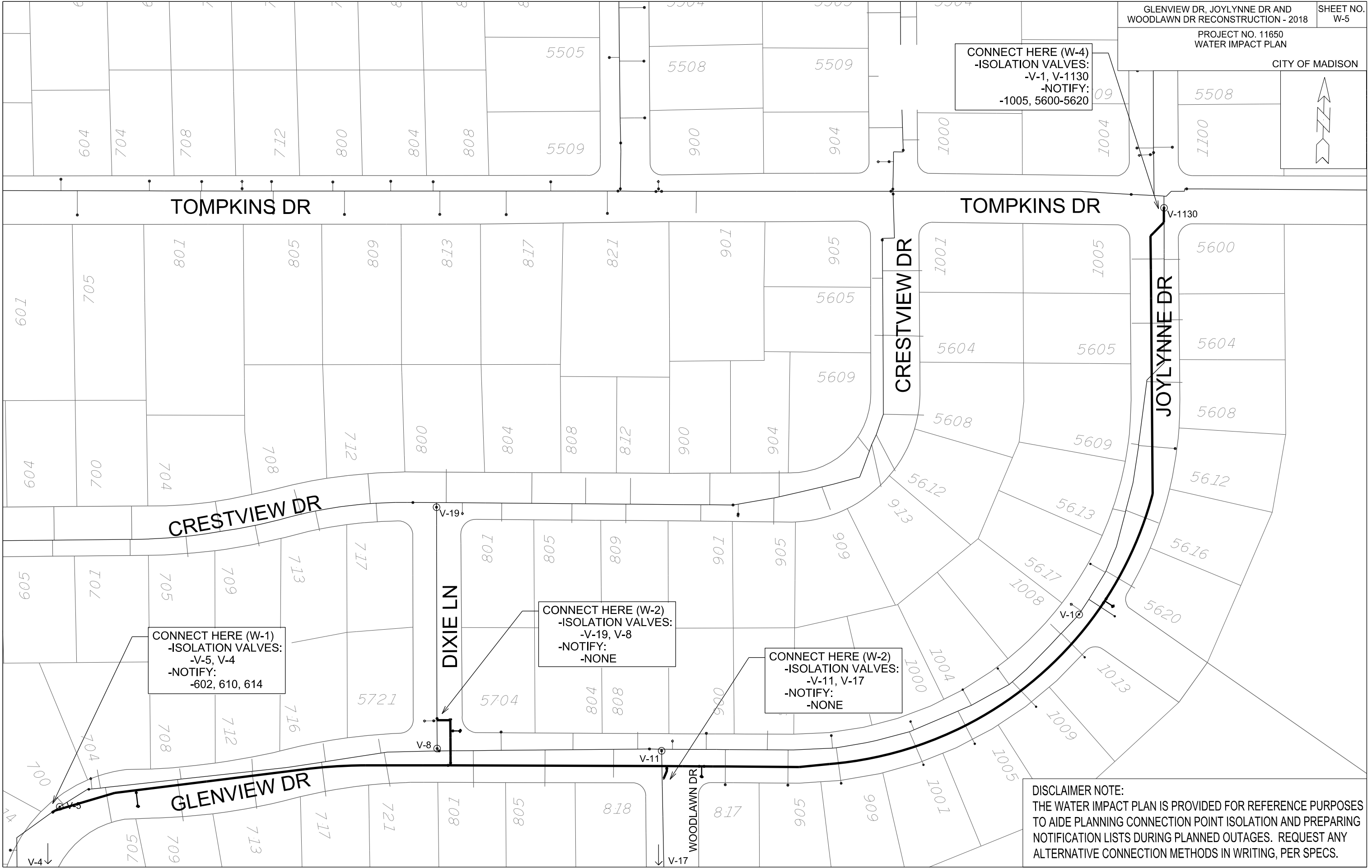
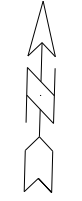


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CONNECT HERE (W-4)
-ISOLATION VALVES:
-V-1, V-1130
-NOTIFY:
-1005, 5600-5620

CONNECT HERE (W-1)
-ISOLATION VALVES:
-V-5, V-4
-NOTIFY:
-602, 610, 614

CONNECT HERE (W-2)
-ISOLATION VALVES:
-V-19, V-8
-NOTIFY:
-NONE

CONNECT HERE (W-2)
-ISOLATION VALVES:
-V-11, V-17
-NOTIFY:
-NONE

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.

PLOT SCALE:

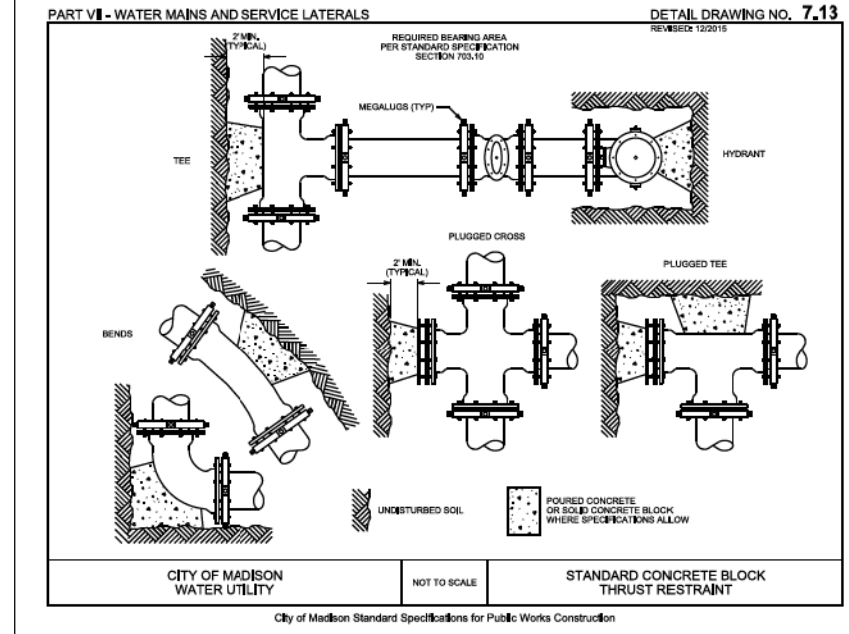
PLOT NAME:

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 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.
- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE FROM THE OLDER WATER MAIN TO THE NEWER WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF; ABANDON CURB BOX AS REQUIRED.
- WN4 DISCONNECT FROM THE OLDER WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEWER 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 WATER MATERIALS:

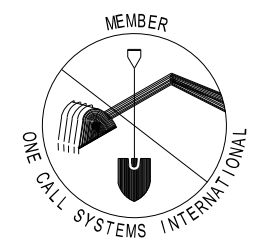
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.*

- 100 FT - 6-IN PIPE
- 1940 FT - 8-IN PIPE
- 3 - 6-IN VALVE & BOX
- 7 - 8-IN VALVE & BOX
- 5 - 8-IN X 6-IN TEE
- 1 - 8-IN X 8-IN TEE
- 1 - 6-IN 90° BEND
- 6 - 8-IN 45° BEND
- 2 - 6-IN 22-1/2° BEND
- 1 - 8-IN 22-1/2° BEND
- 2 - 8-IN 11-1/4° BEND
- 1 - 8-IN MJ PLUG
- 4 - 5-IN HYDRANT
- 2250 FT - POLYWRAP
- 80 FT - STYROFOAM
- 1-IN COPPER TUBING (AS REQ)

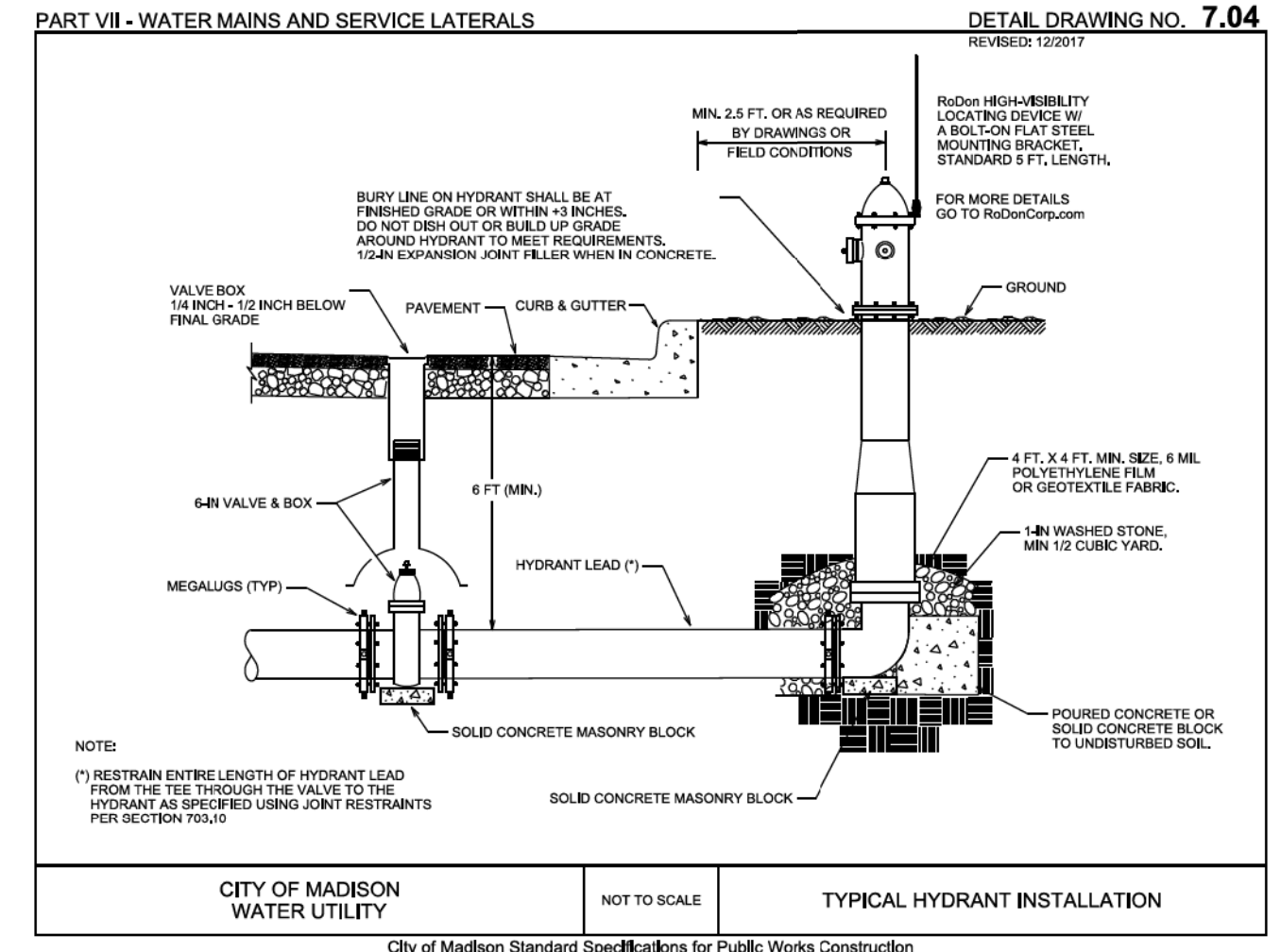
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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

CROSS SECTIONS

GLENVIEW DRIVE

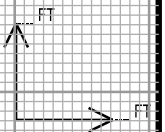
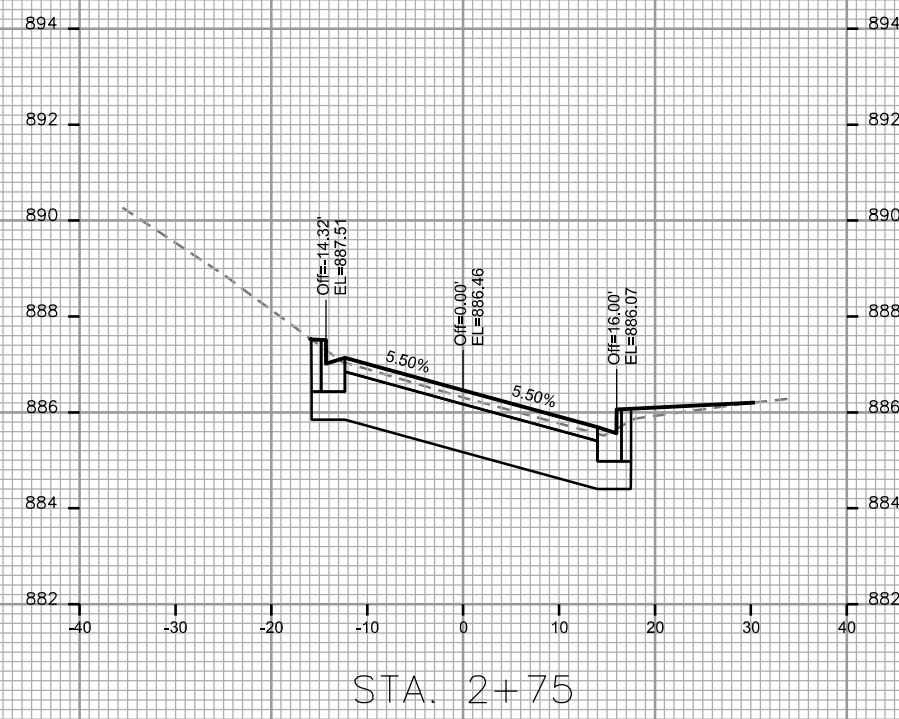
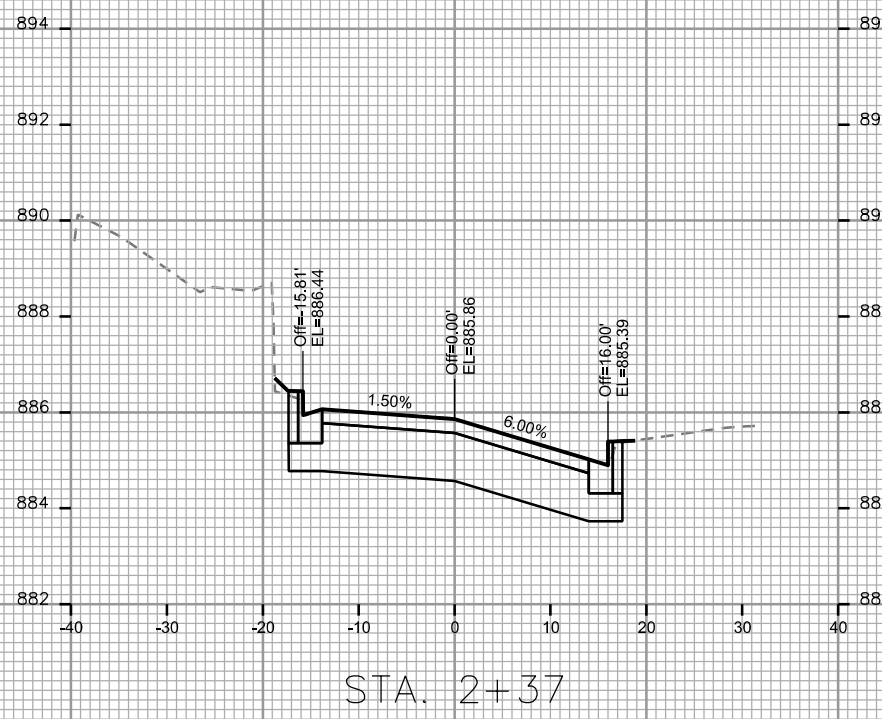
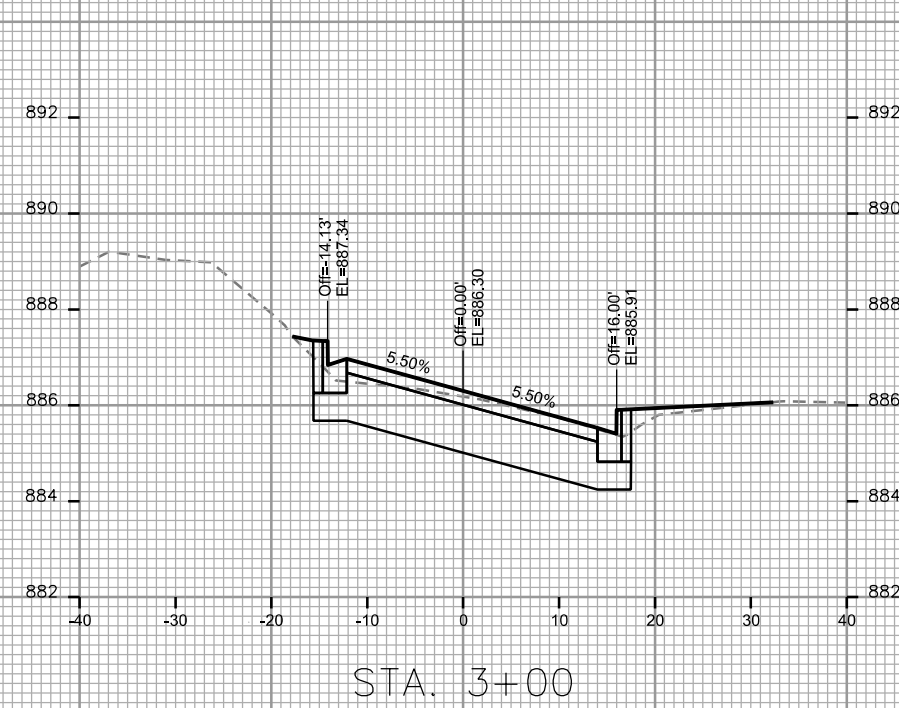
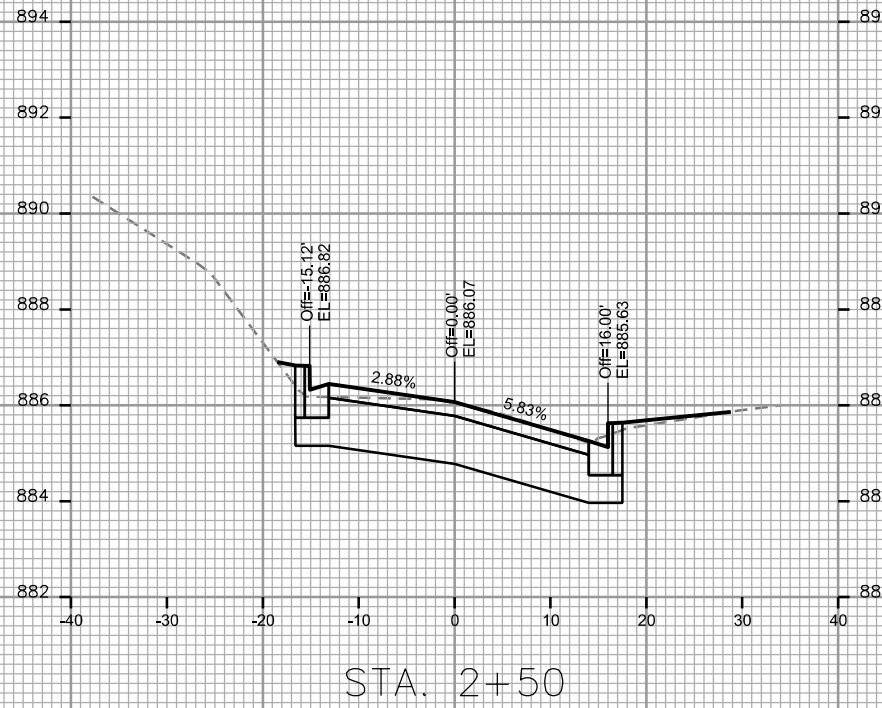
CITY OF MADISON

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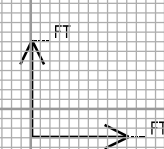
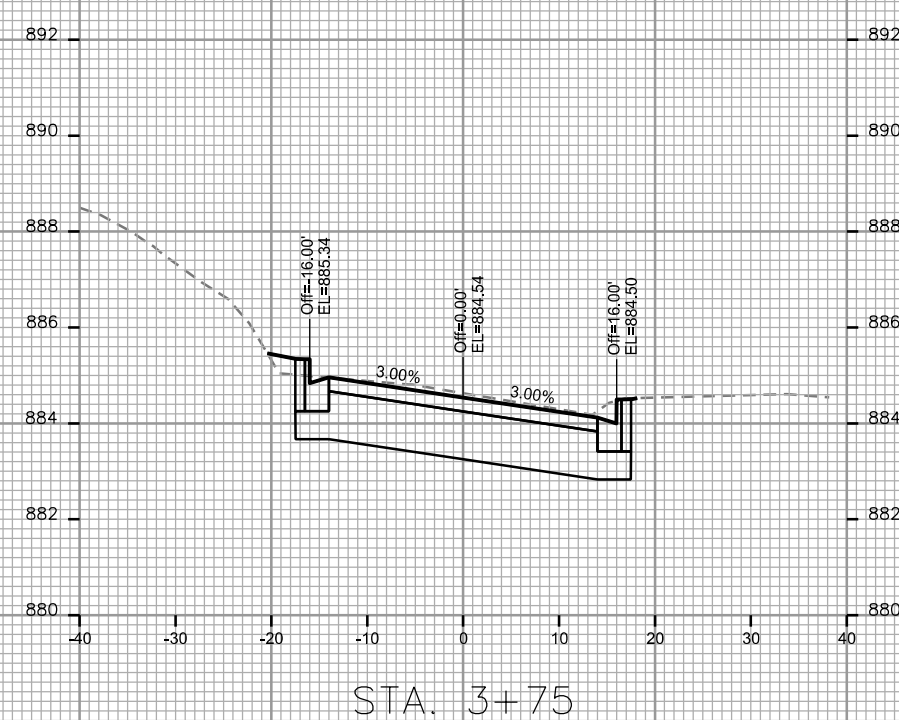
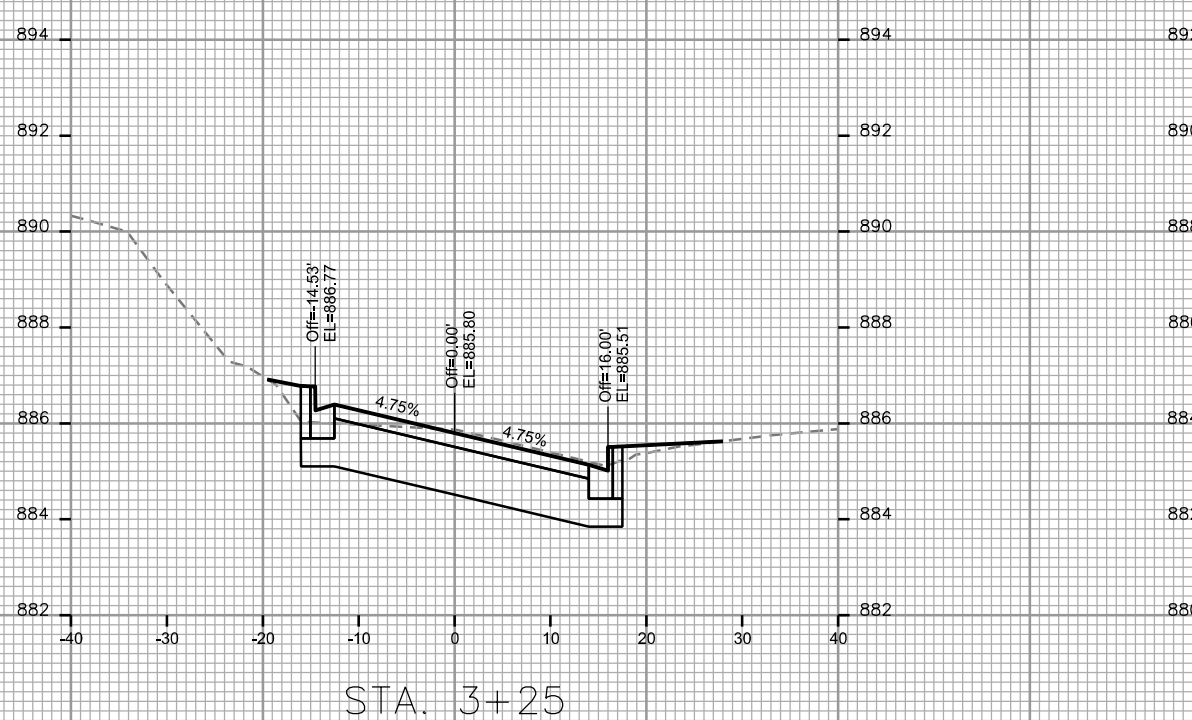
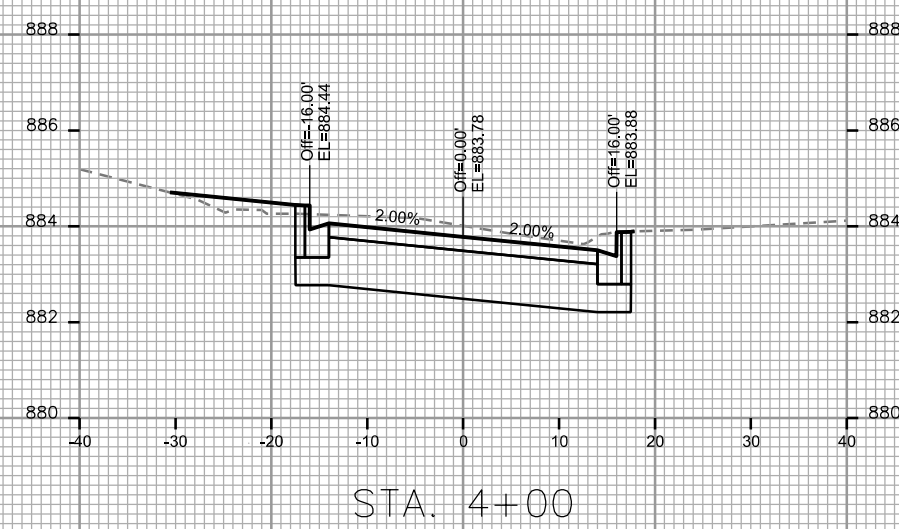
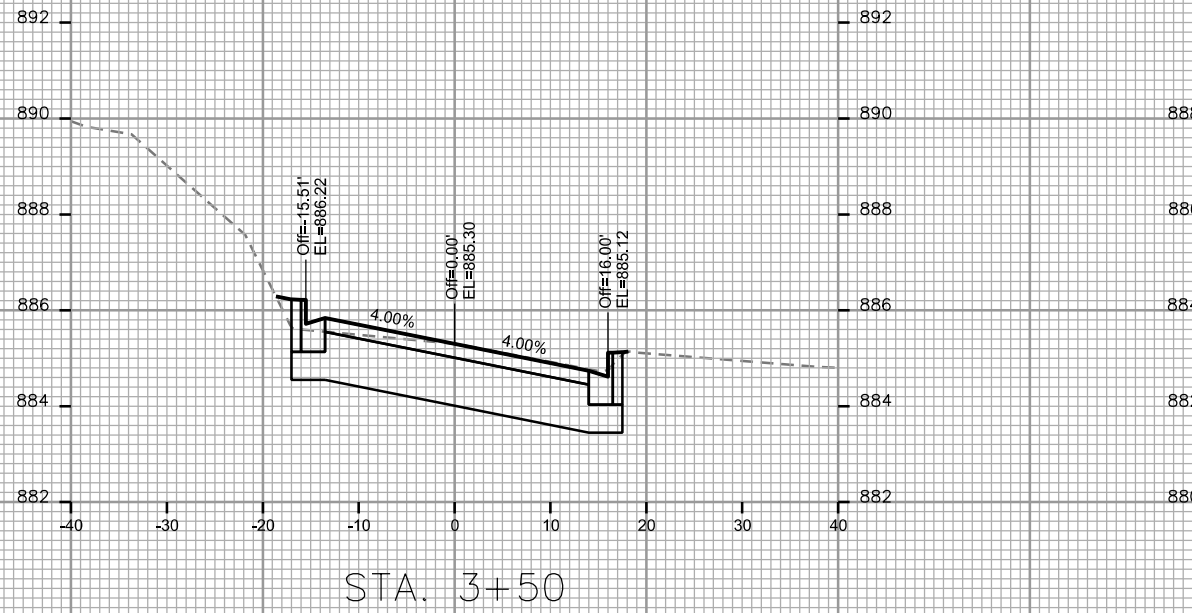
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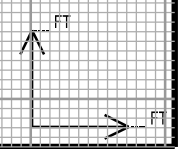
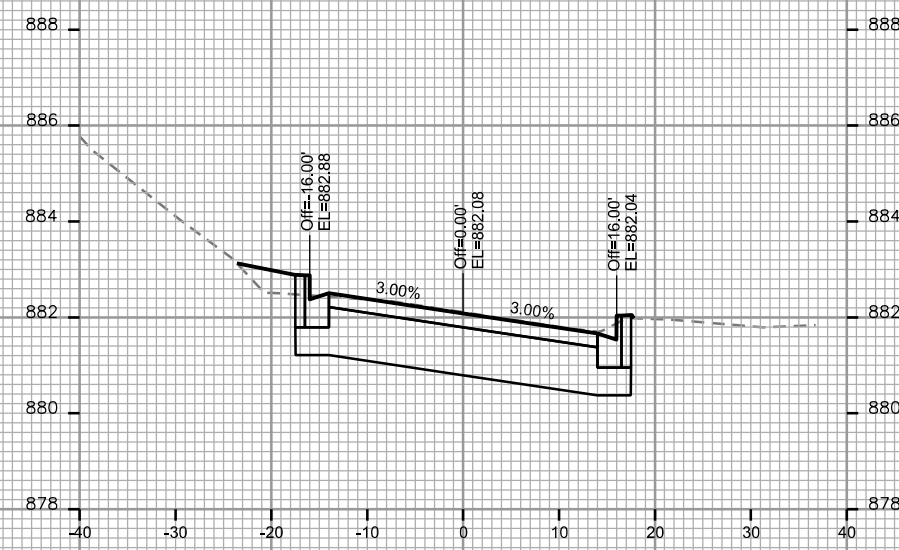
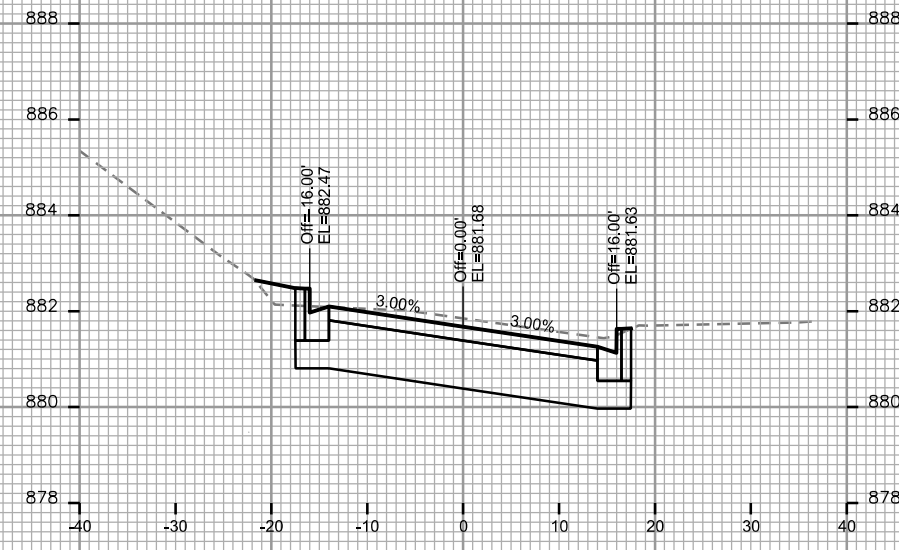
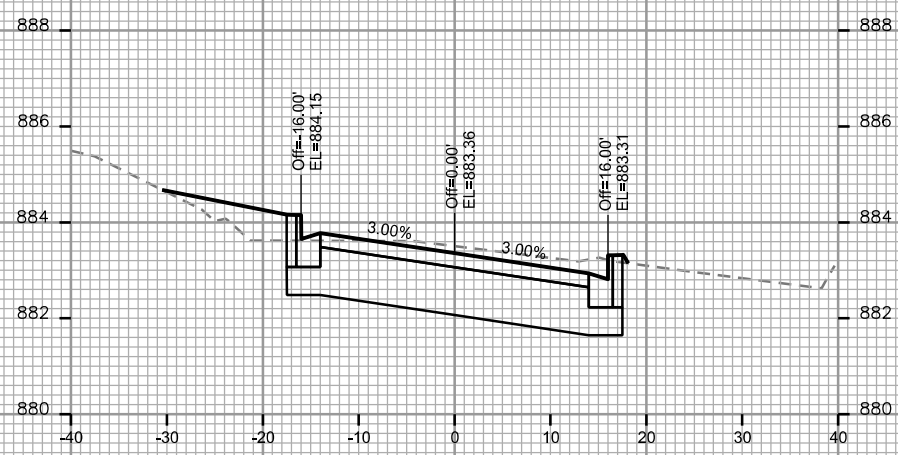
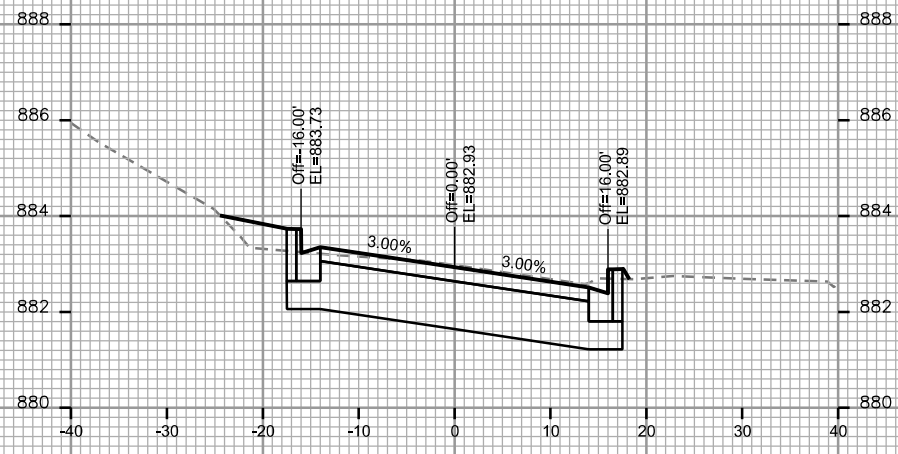
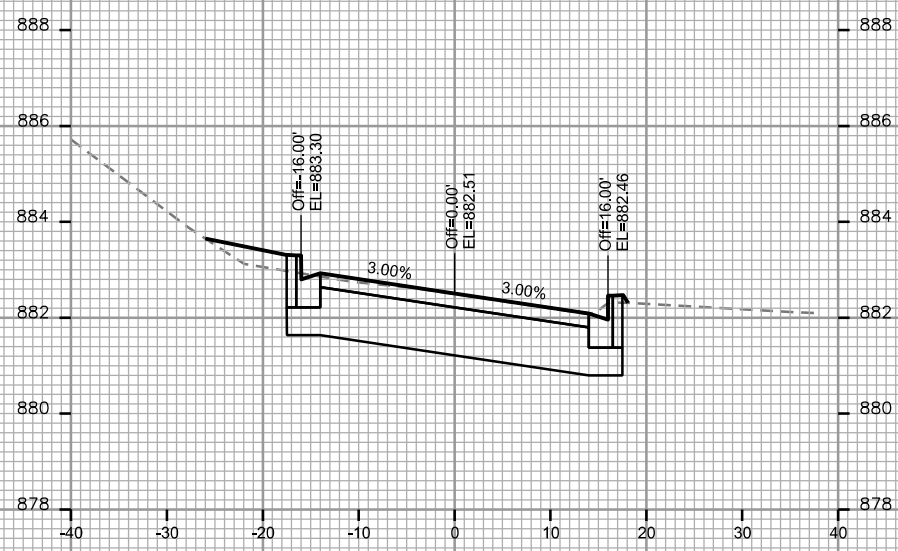
CROSS SECTIONS
GLENVIEW DRIVE CITY OF MADISON

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GLENVIEW DRIVE

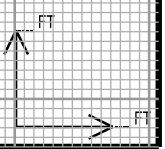
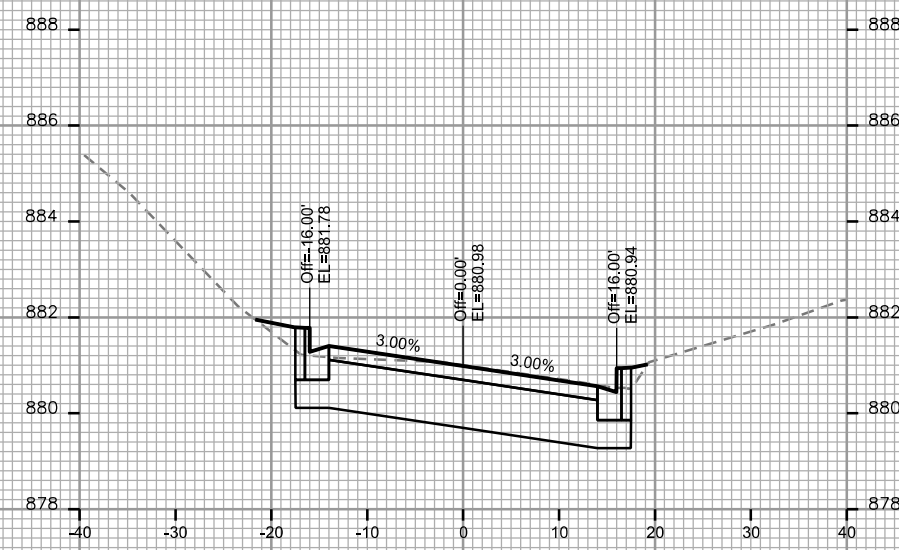
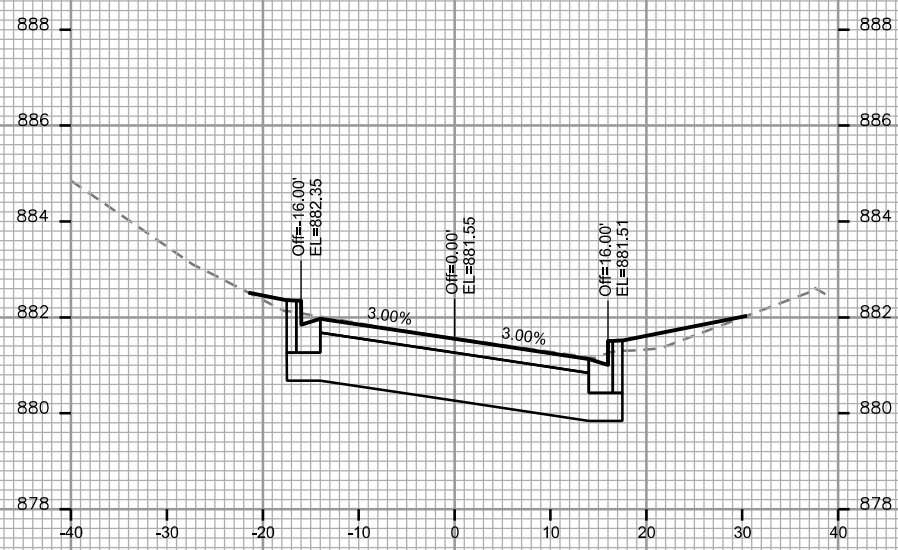
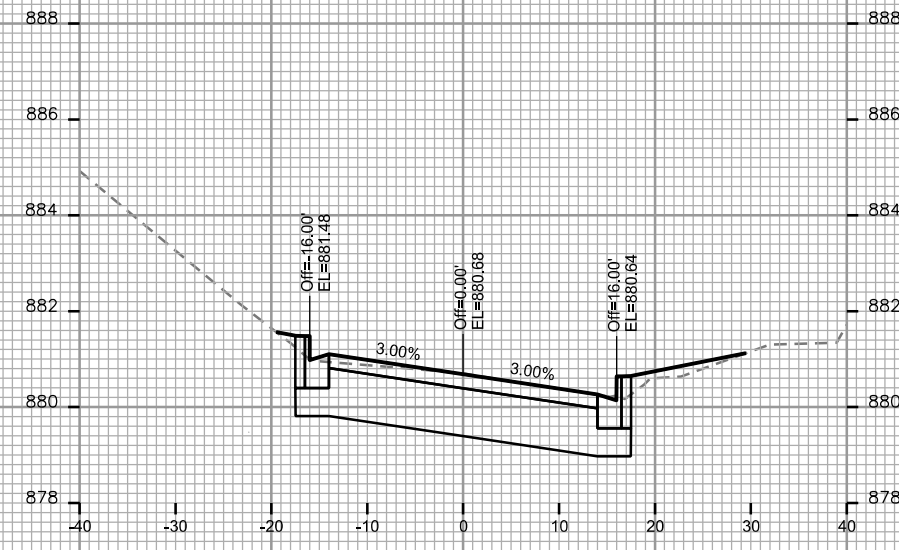
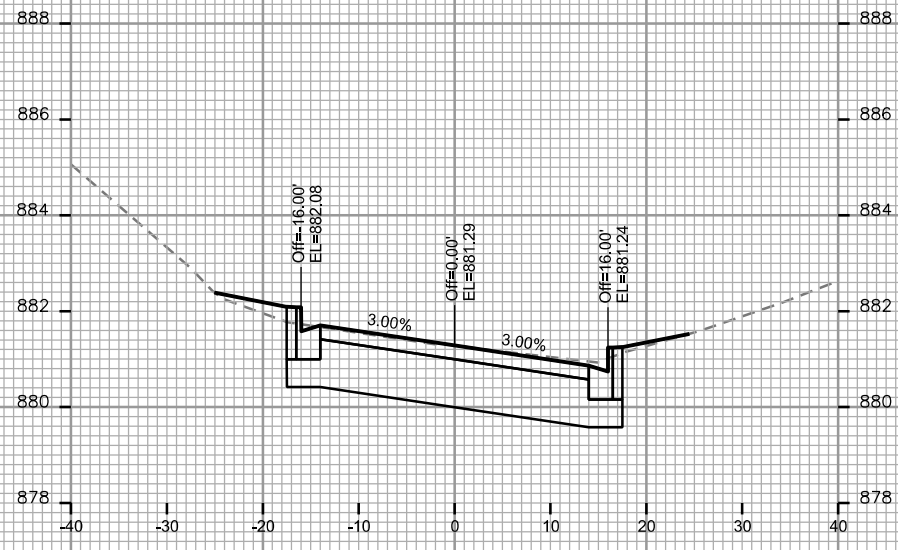
CITY OF MADISON

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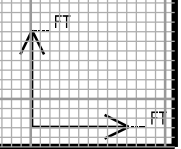
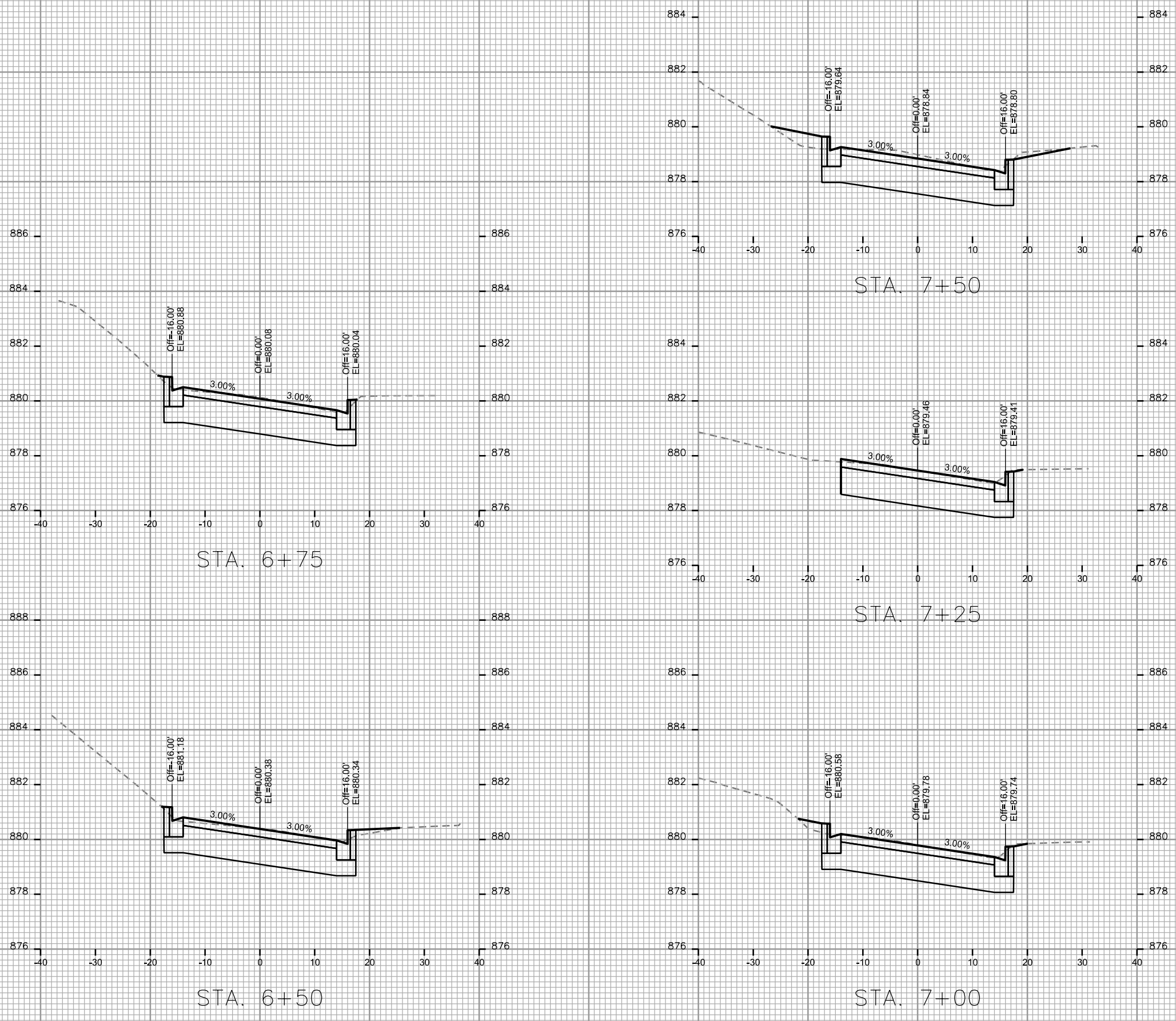


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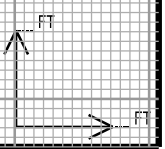
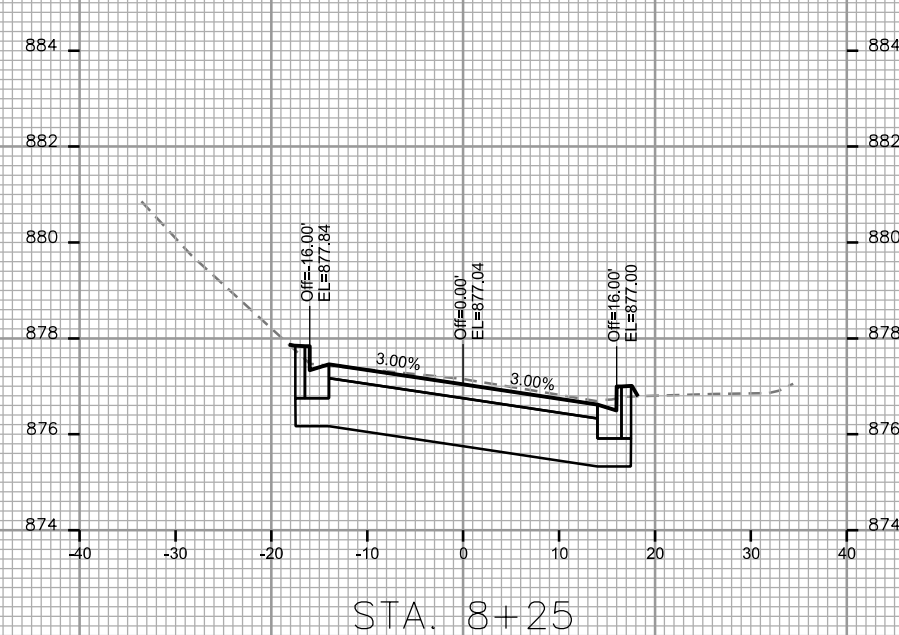
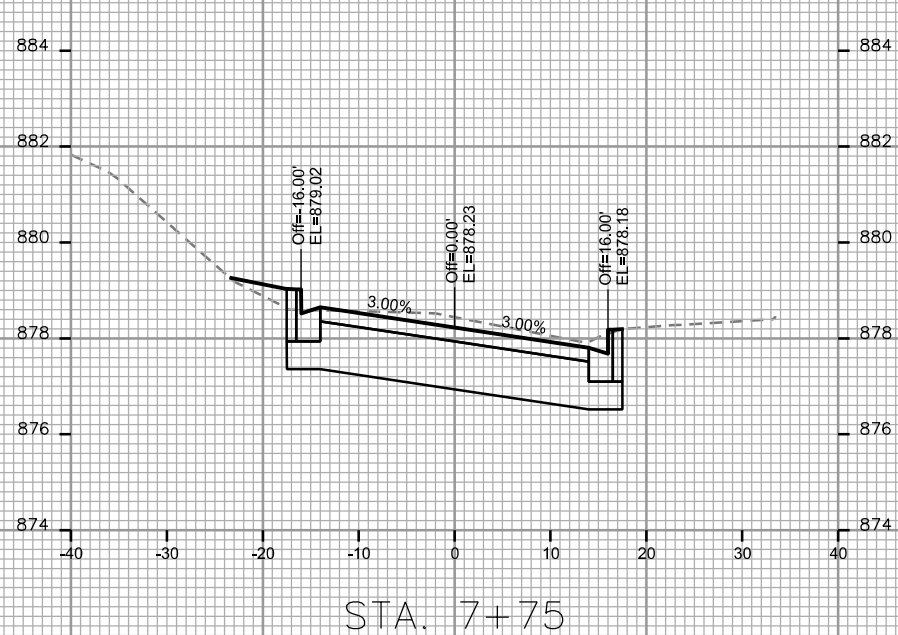
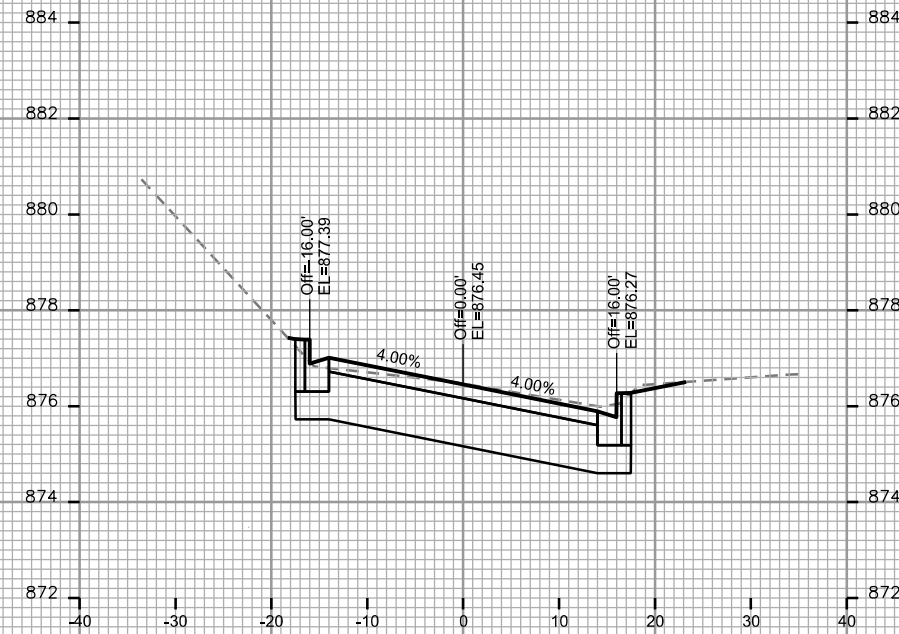
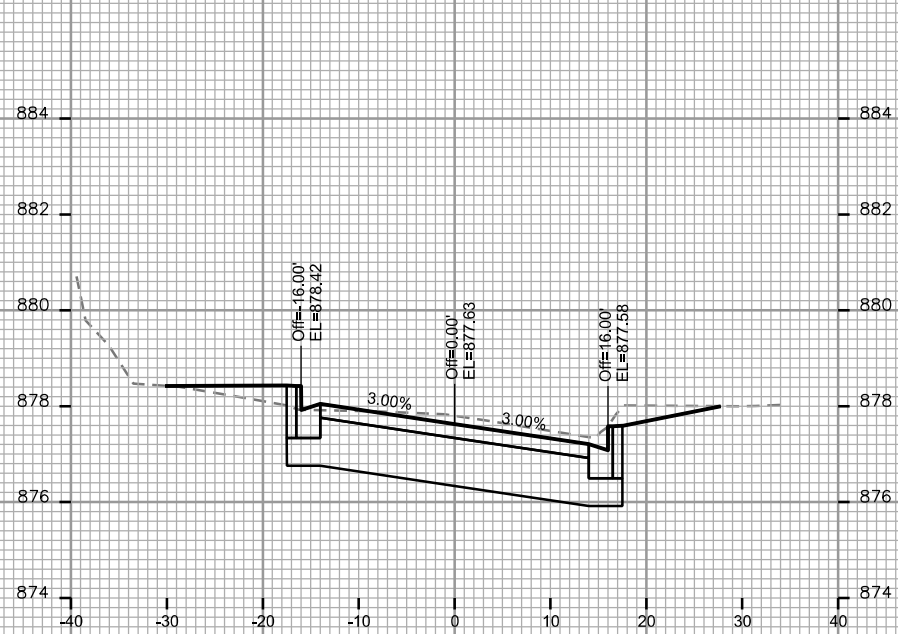
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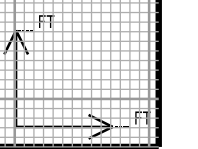
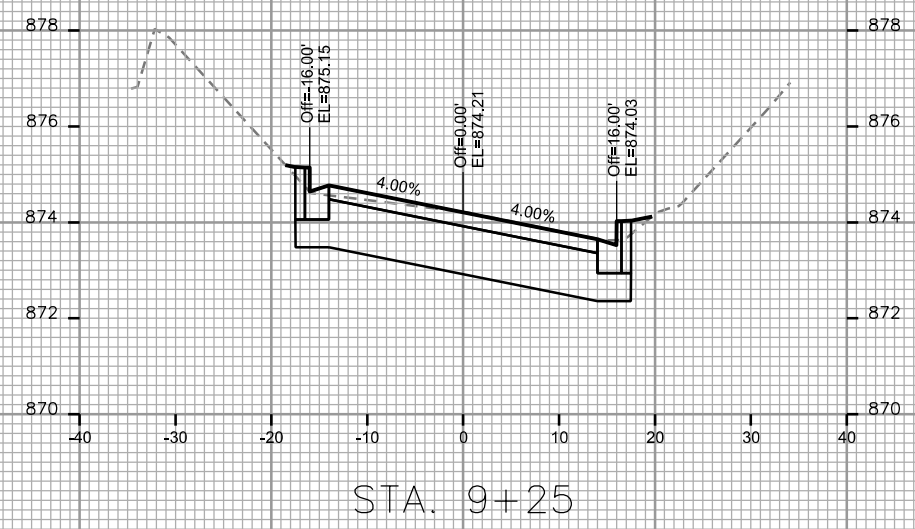
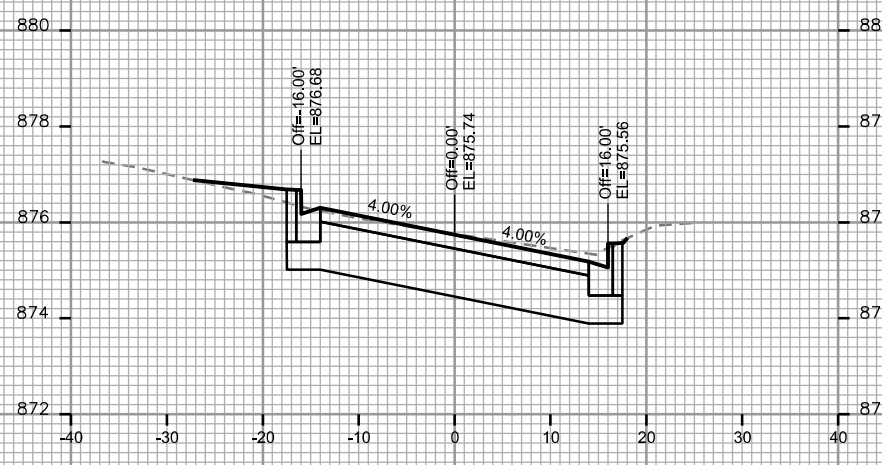
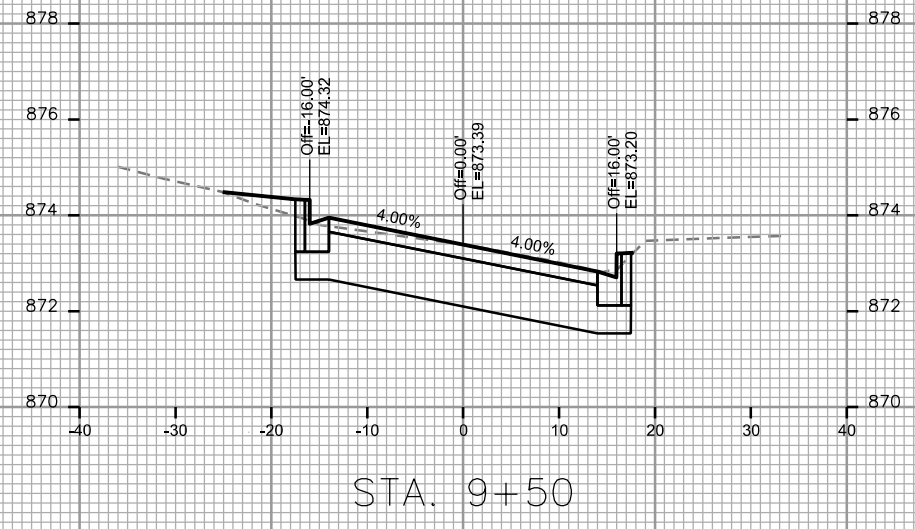
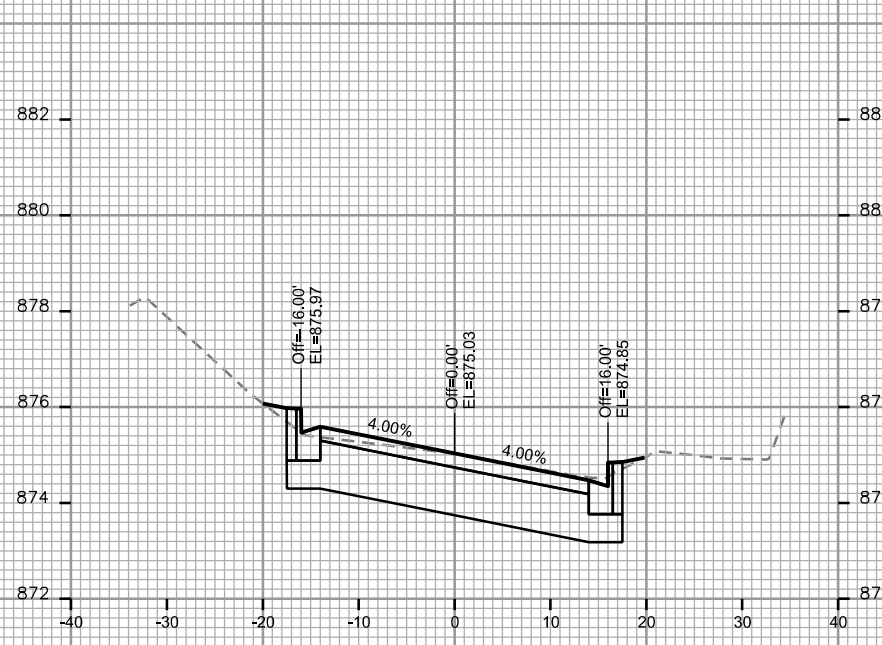
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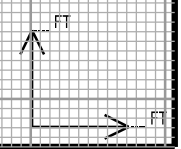
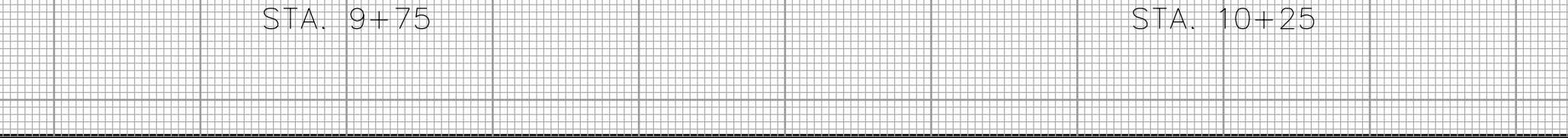
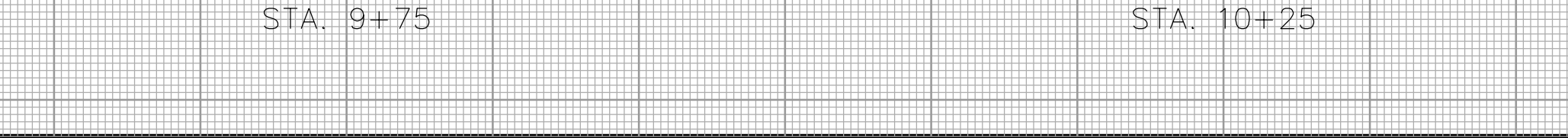
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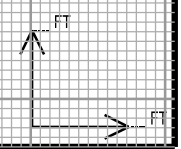
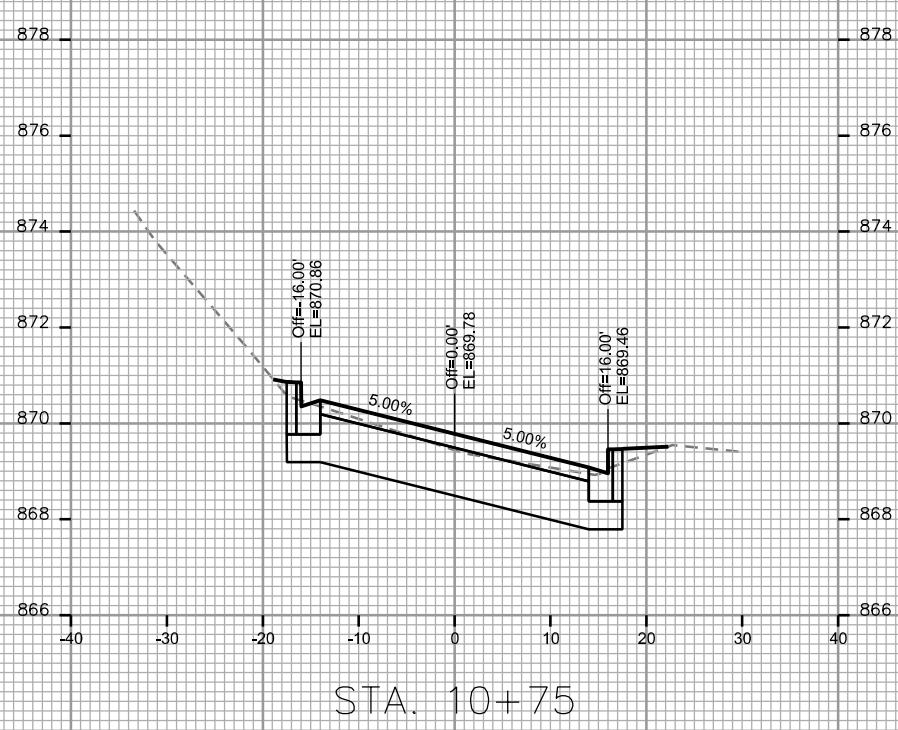
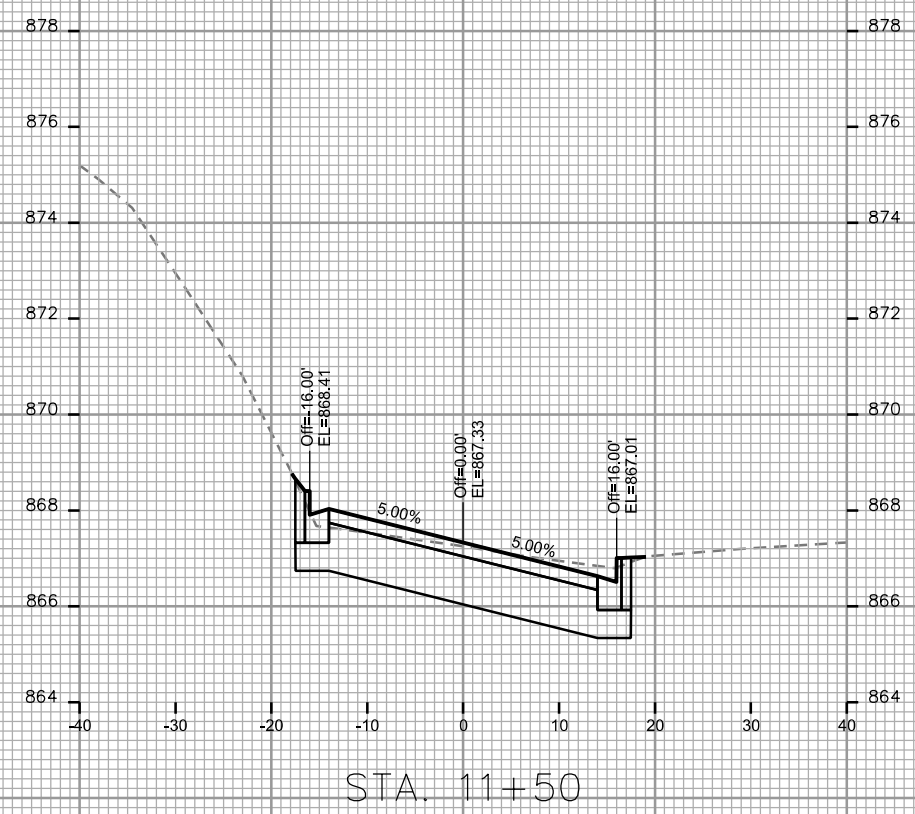
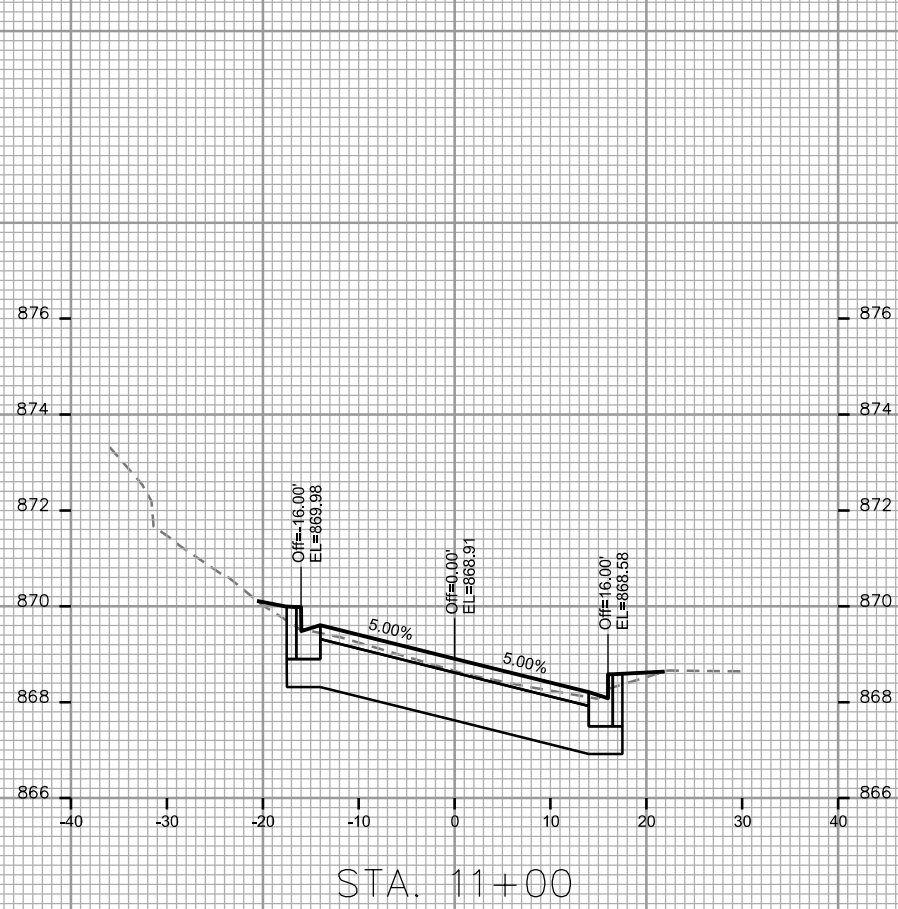
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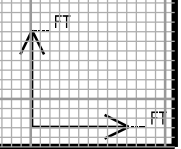
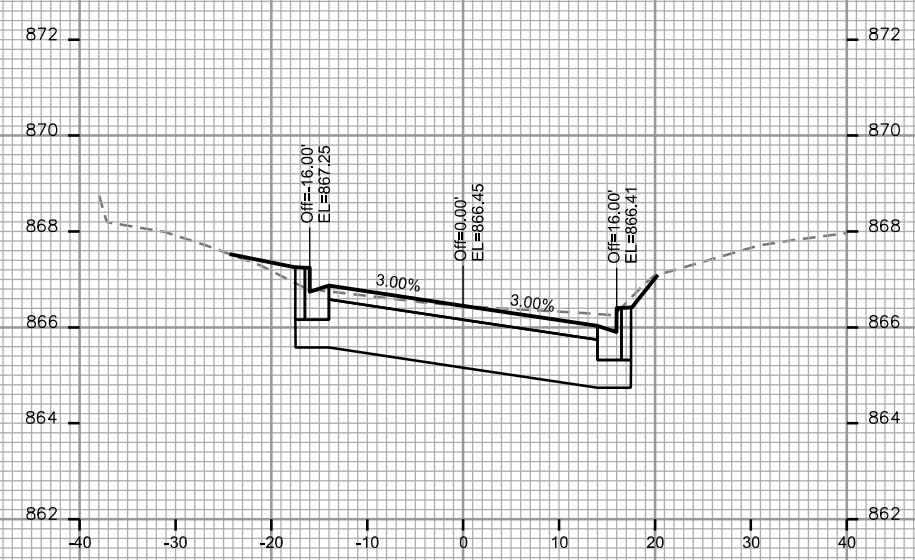
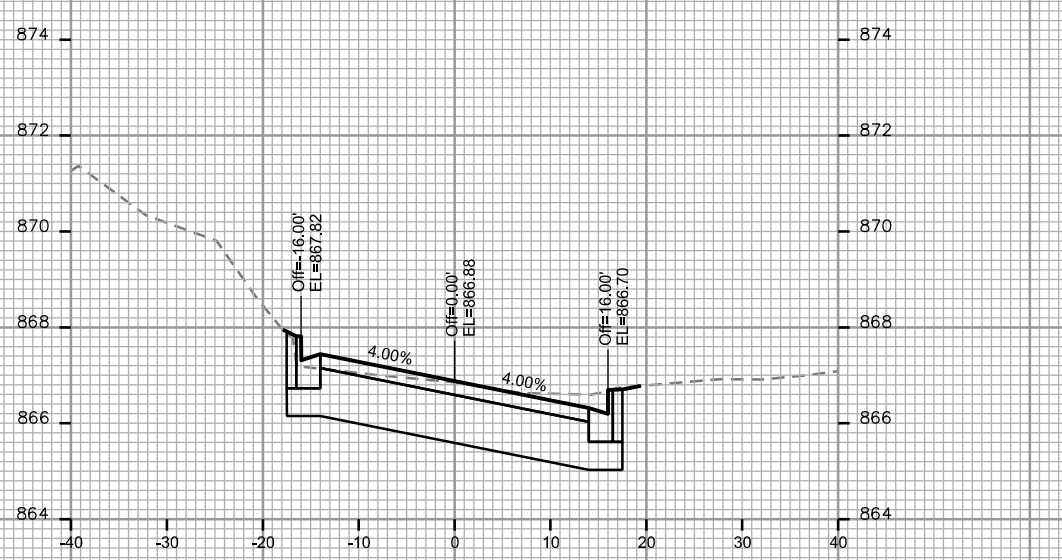
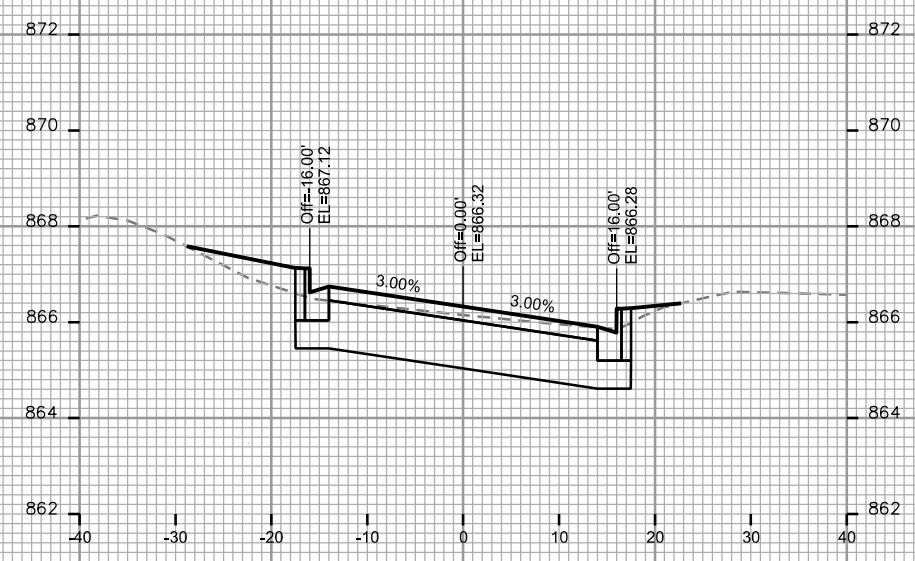
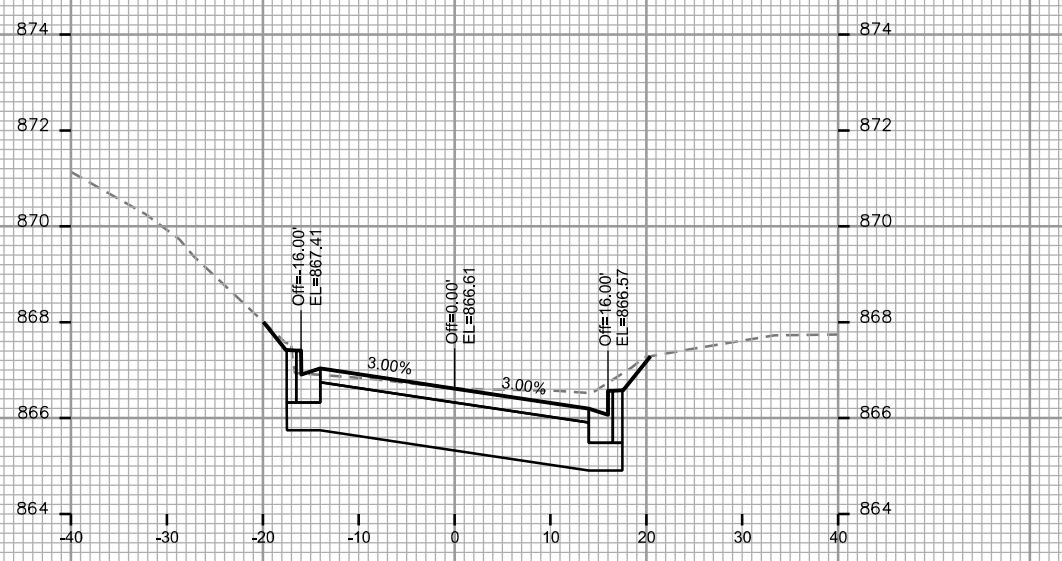


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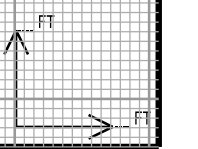
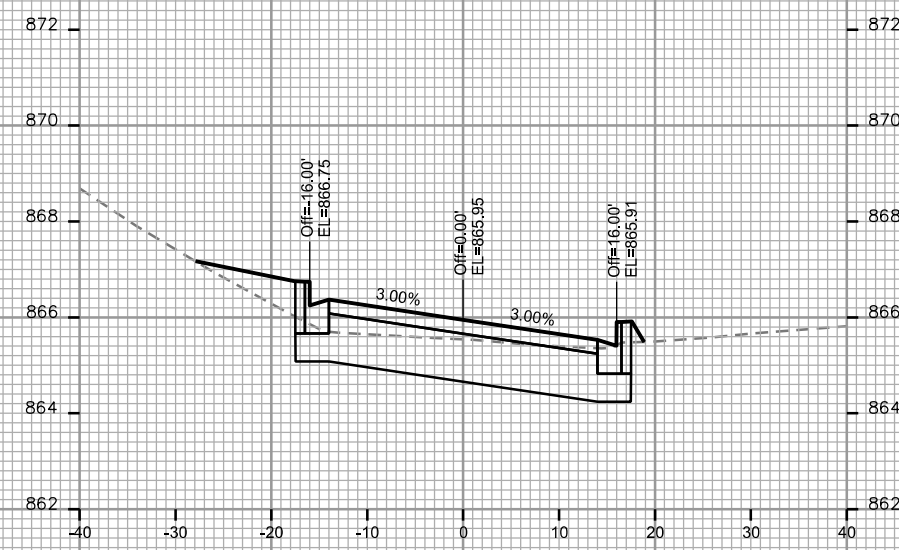
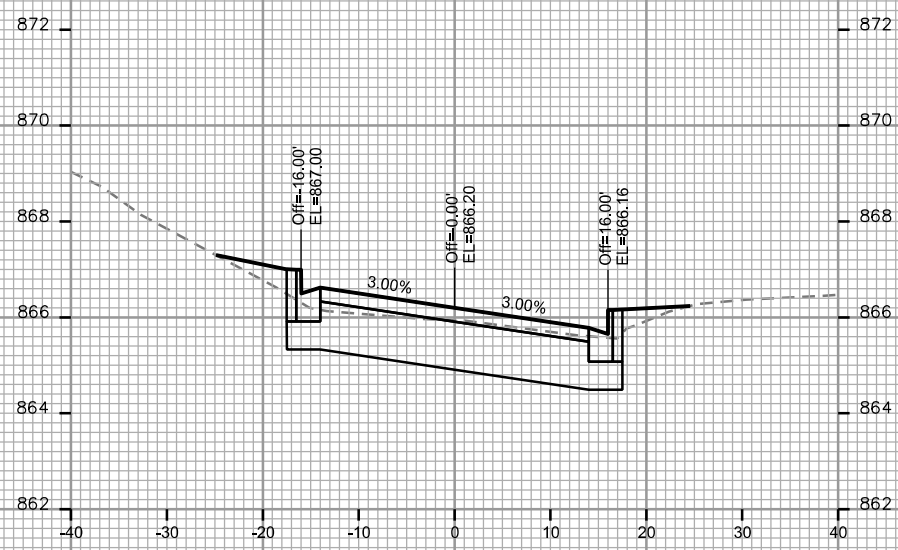
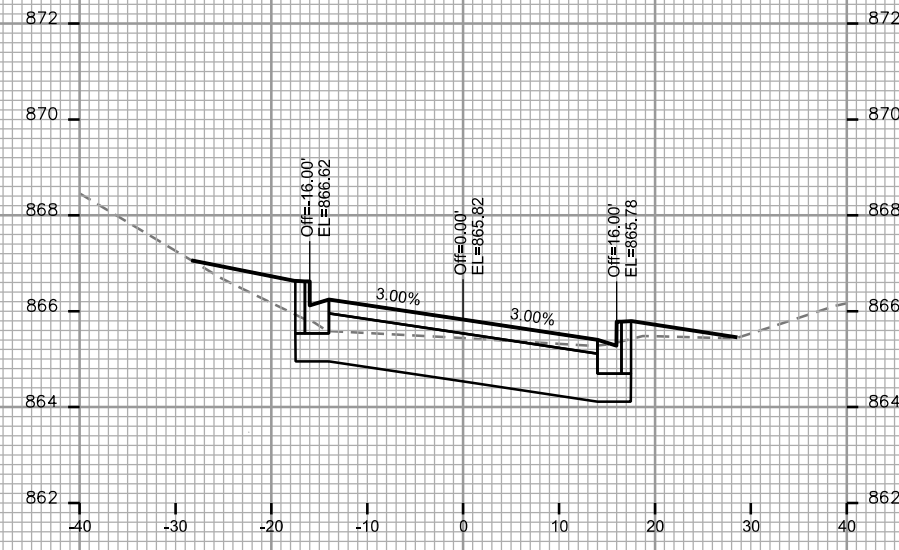
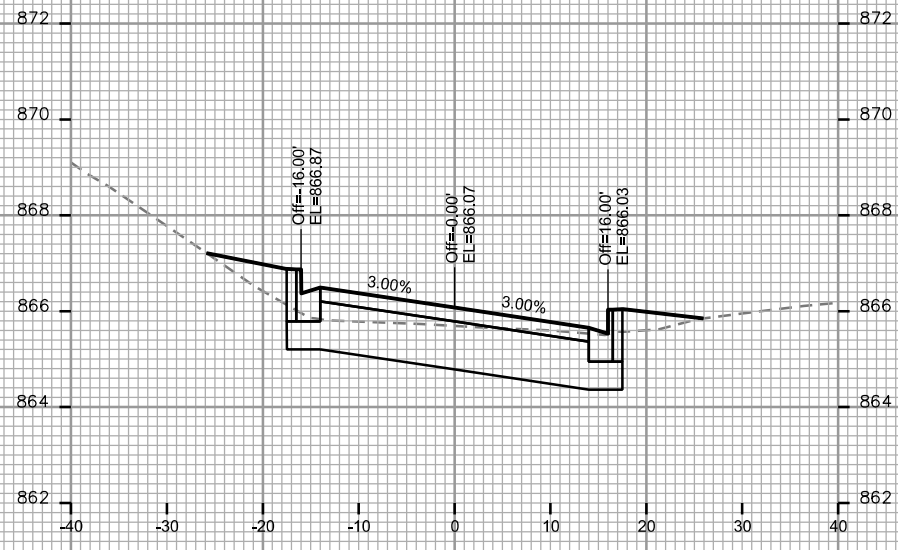
CITY OF MADISON

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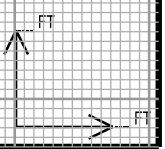
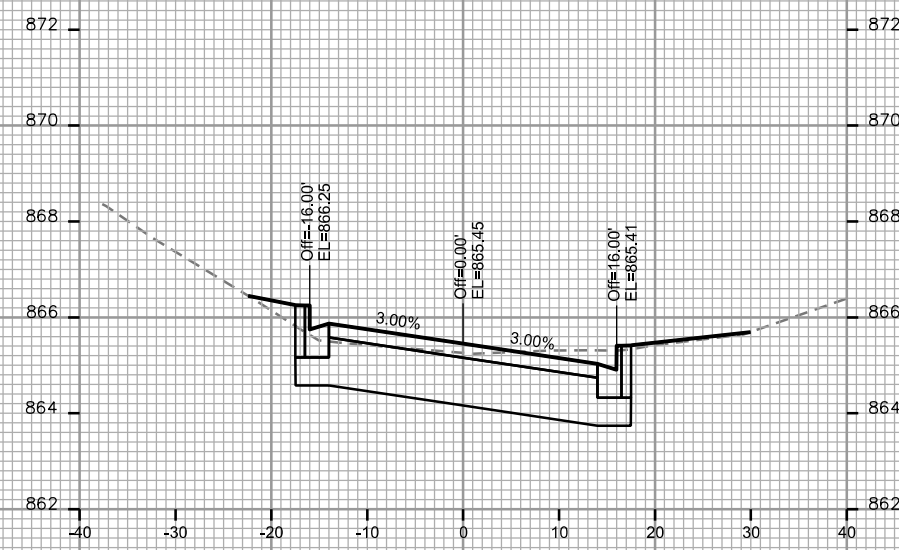
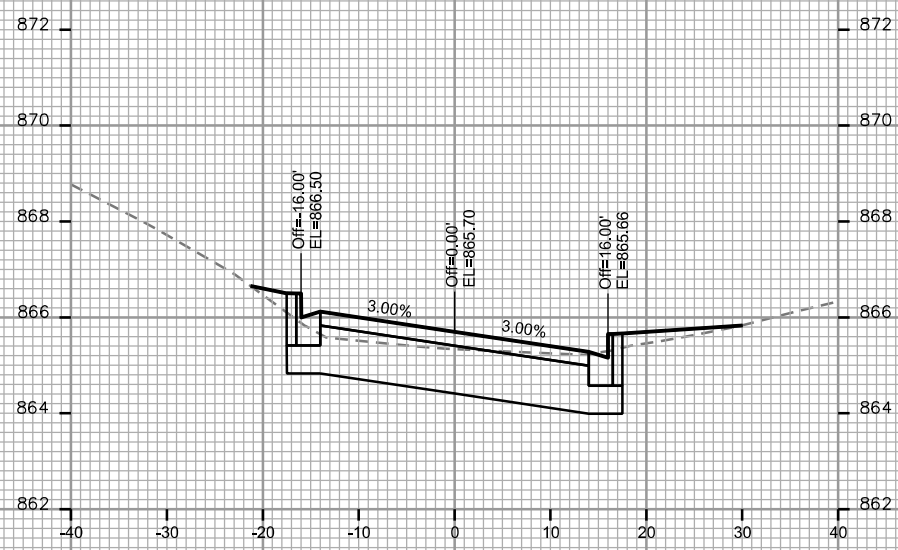
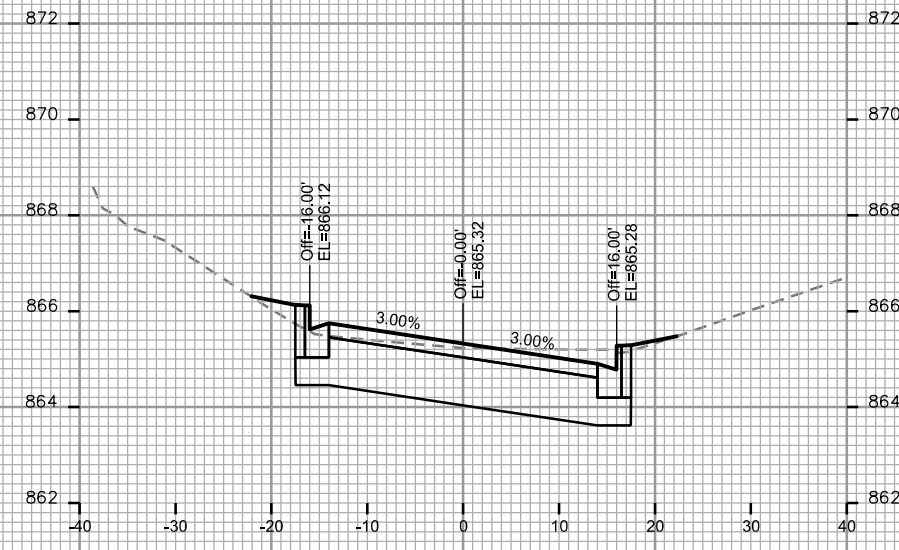
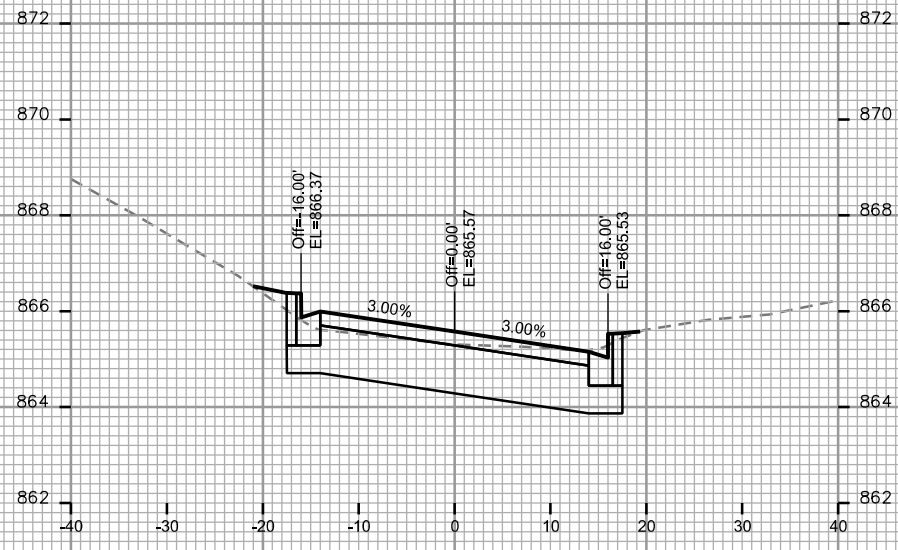
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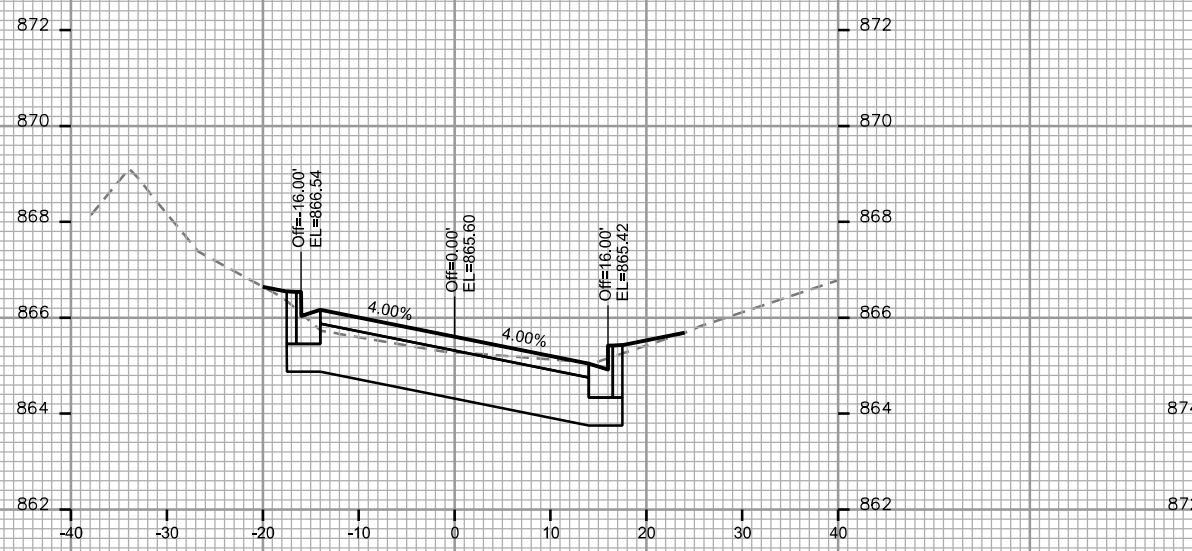
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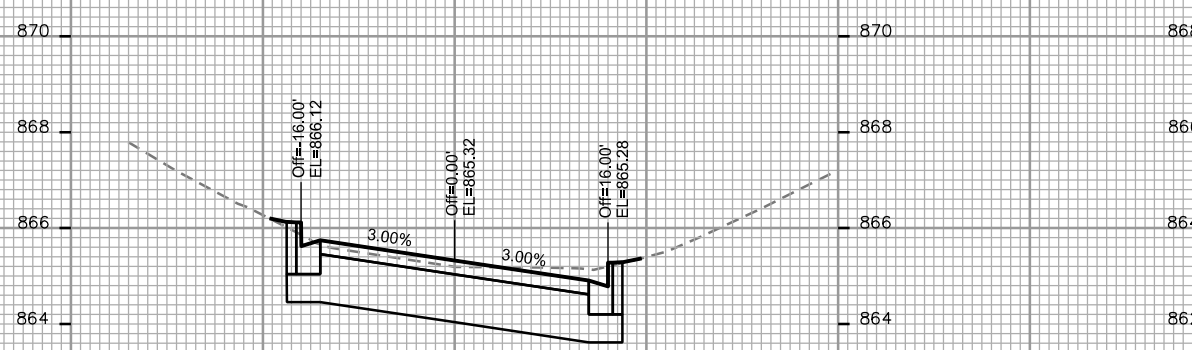
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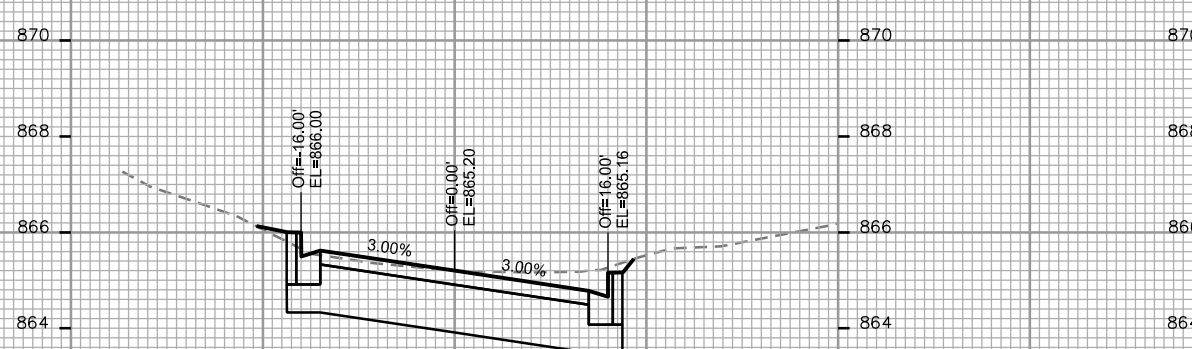
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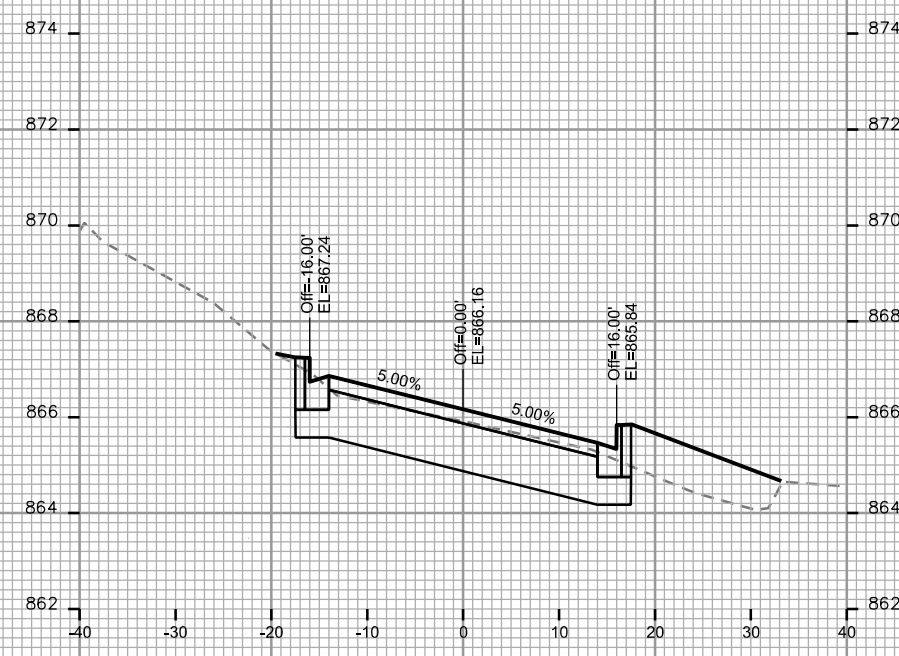
STA. 15+25



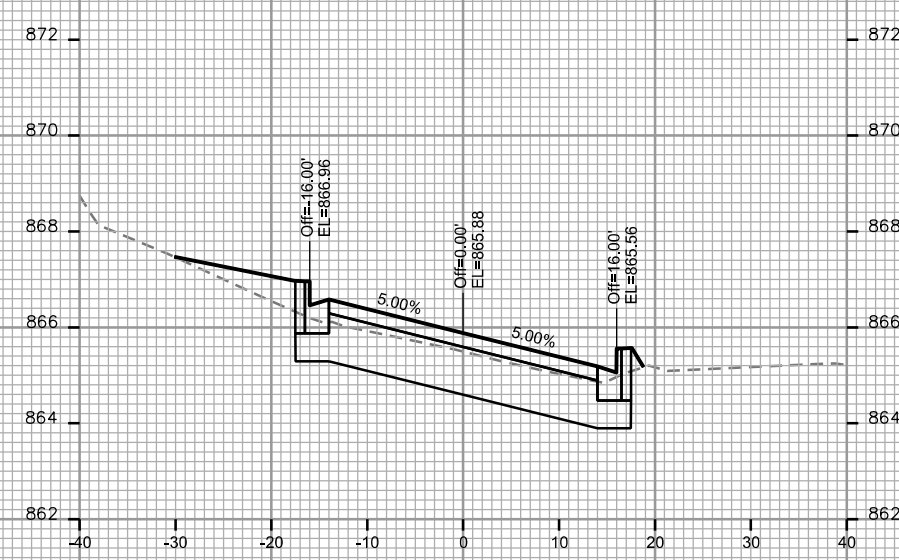
STA. 15+00



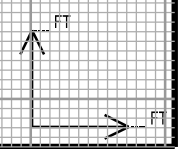
STA. 14+75



STA. 15+75



STA. 15+50



CROSS SECTIONS

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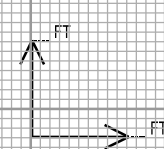
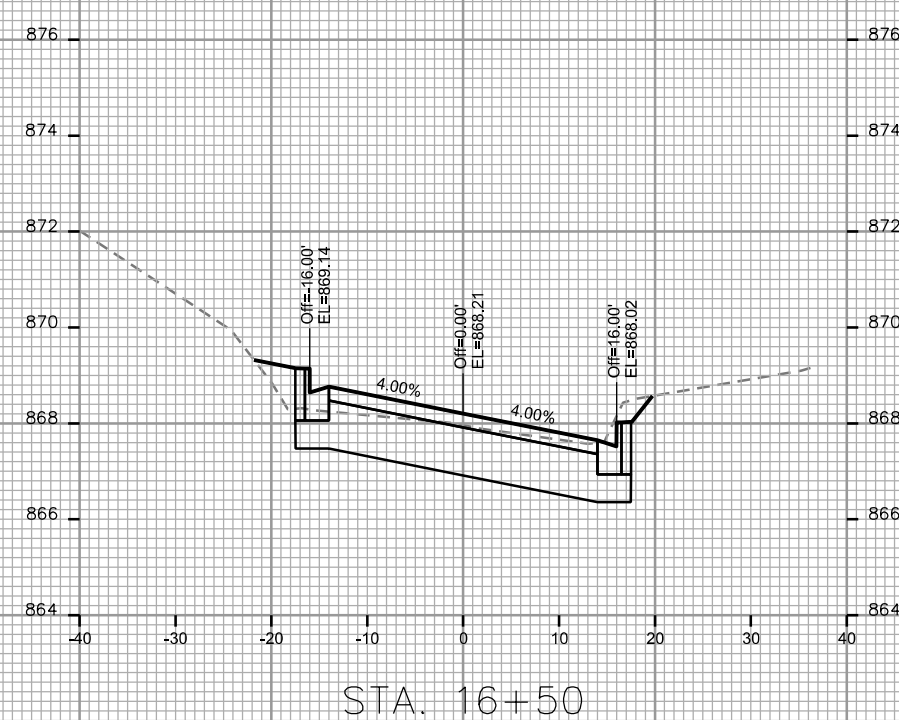
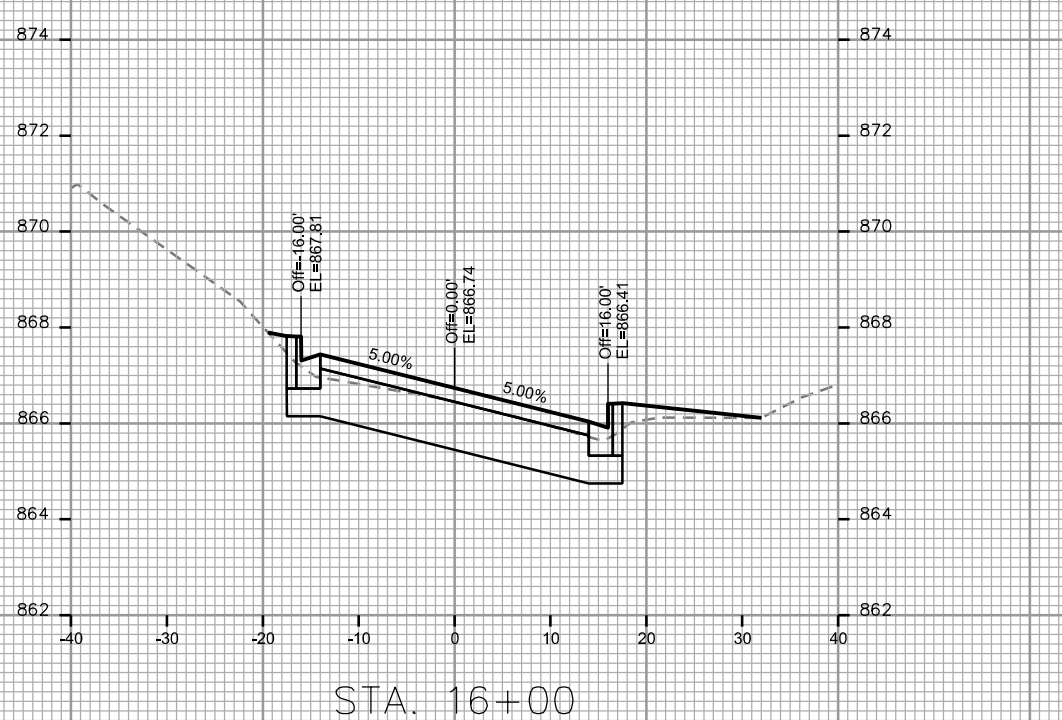
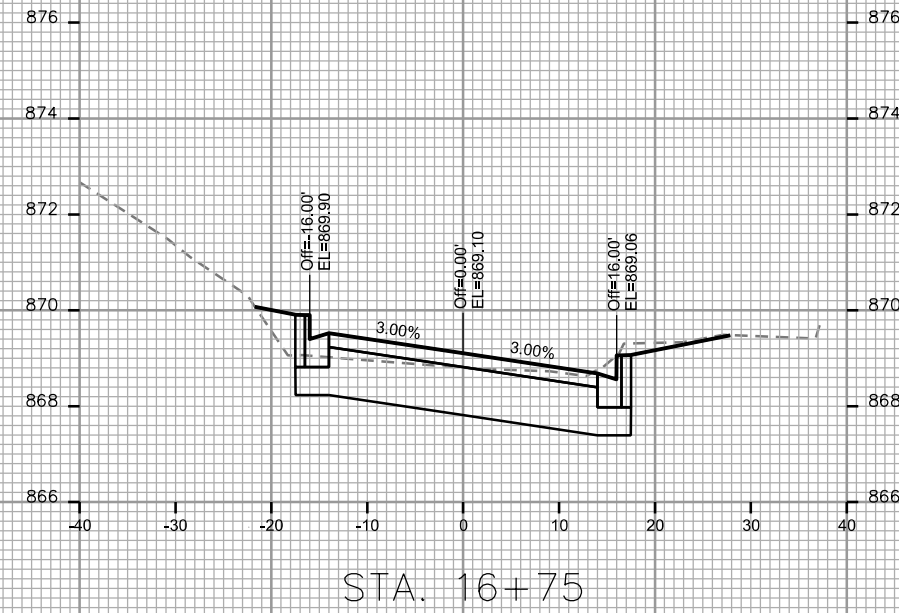
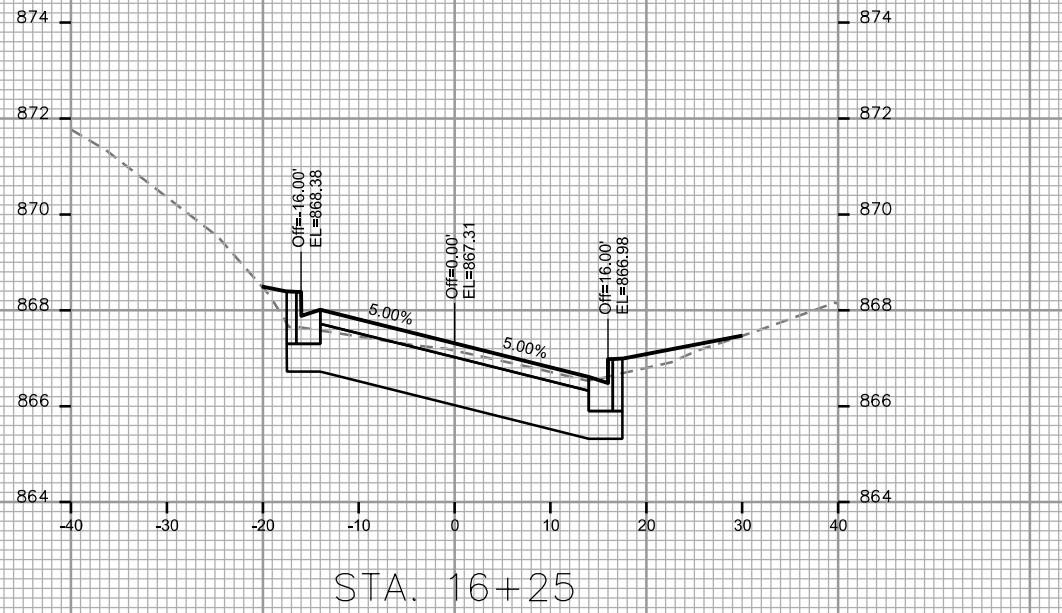
CITY OF MADISON

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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

JOYLYNNE DR

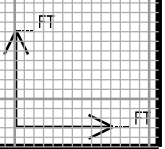
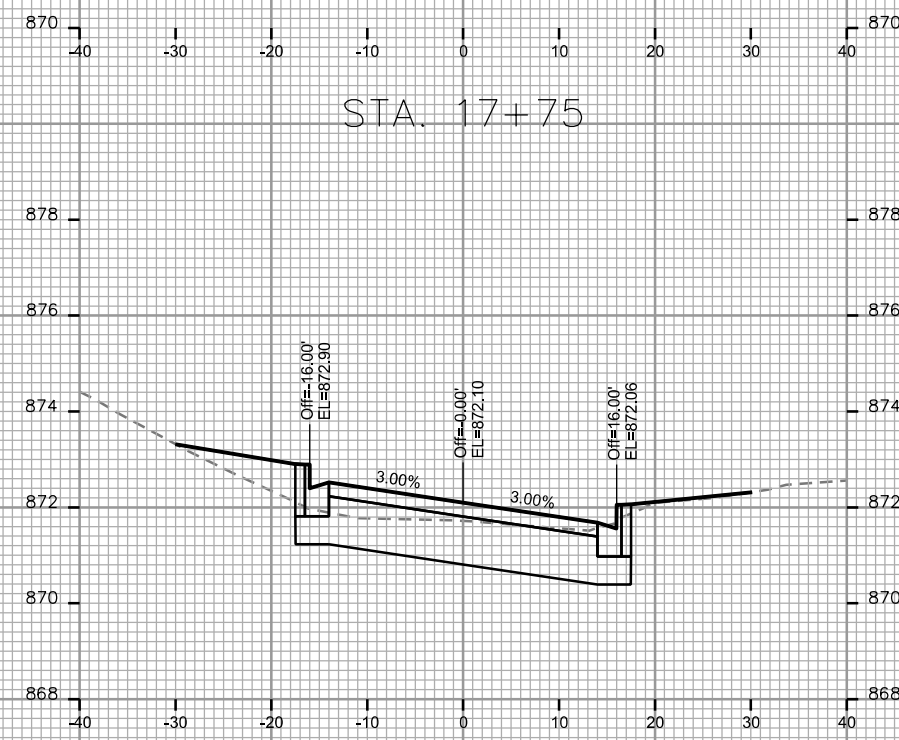
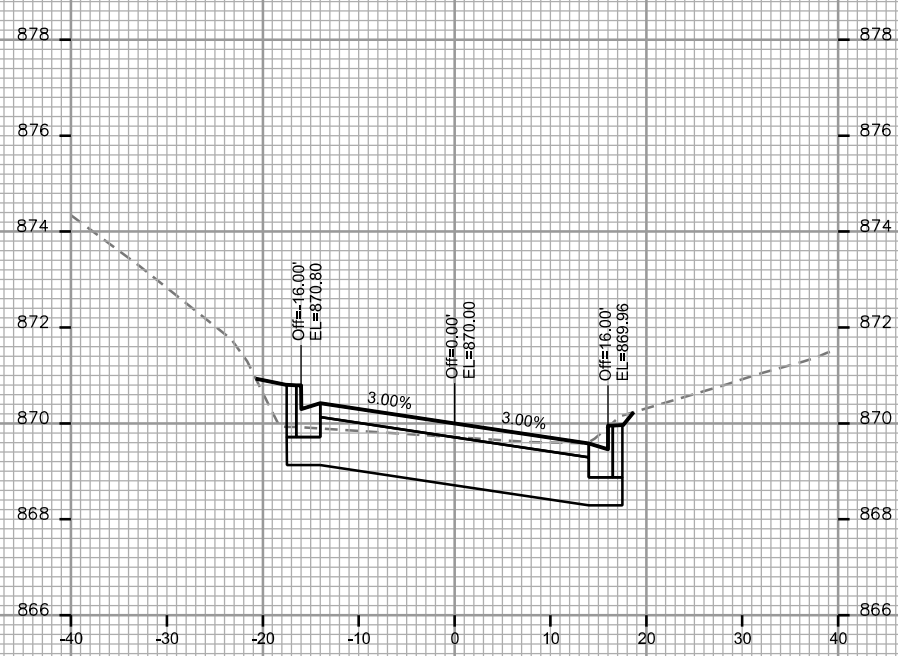
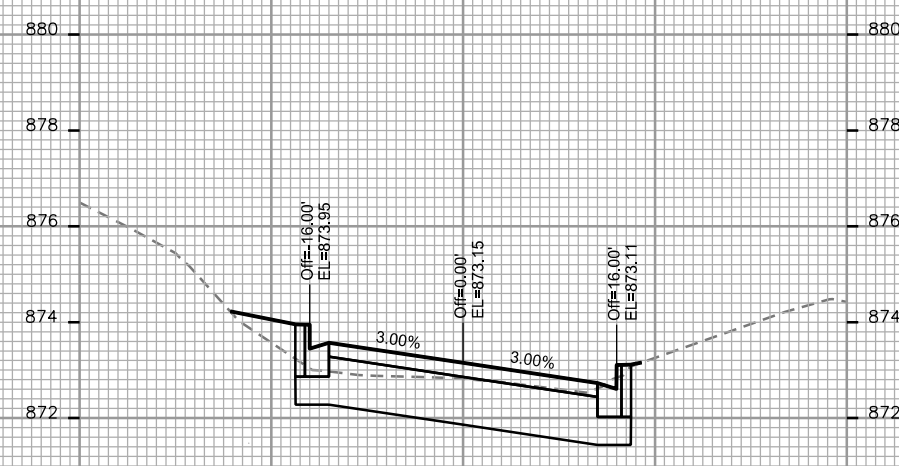
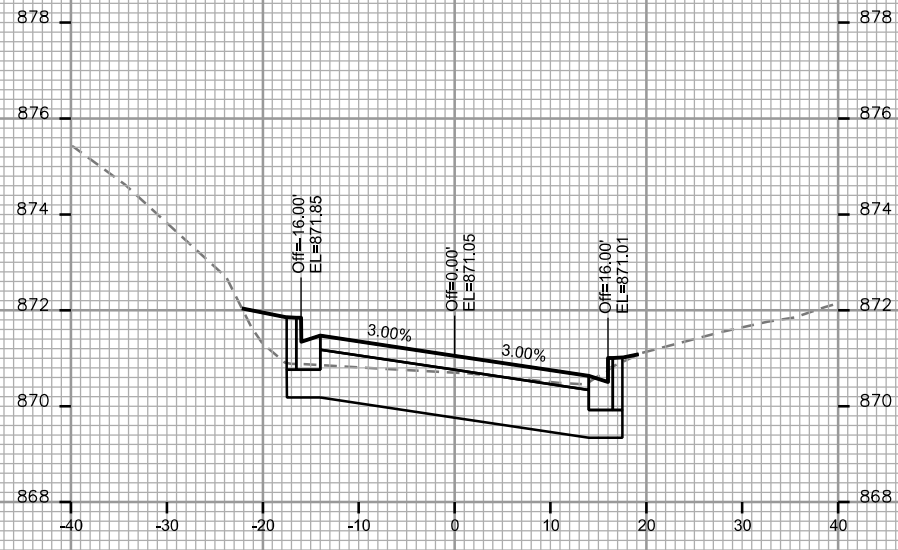
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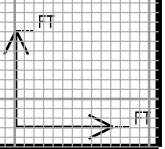
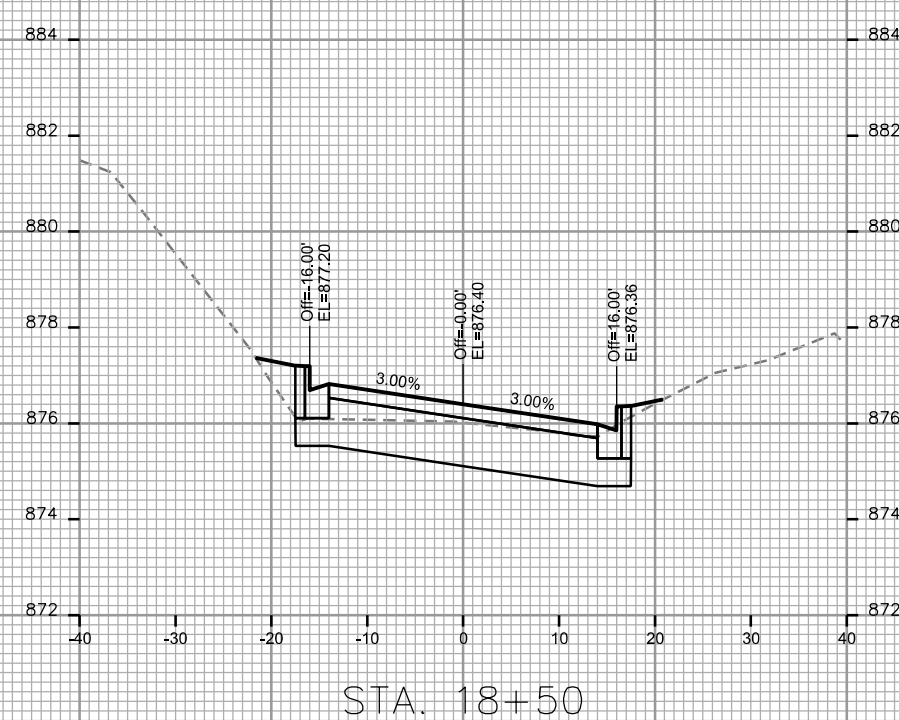
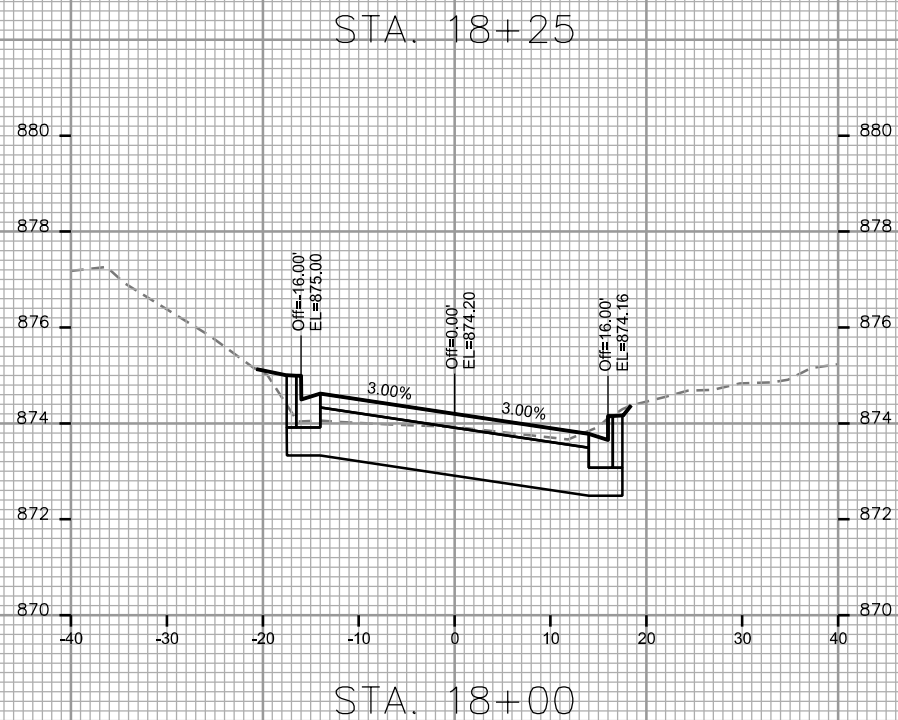
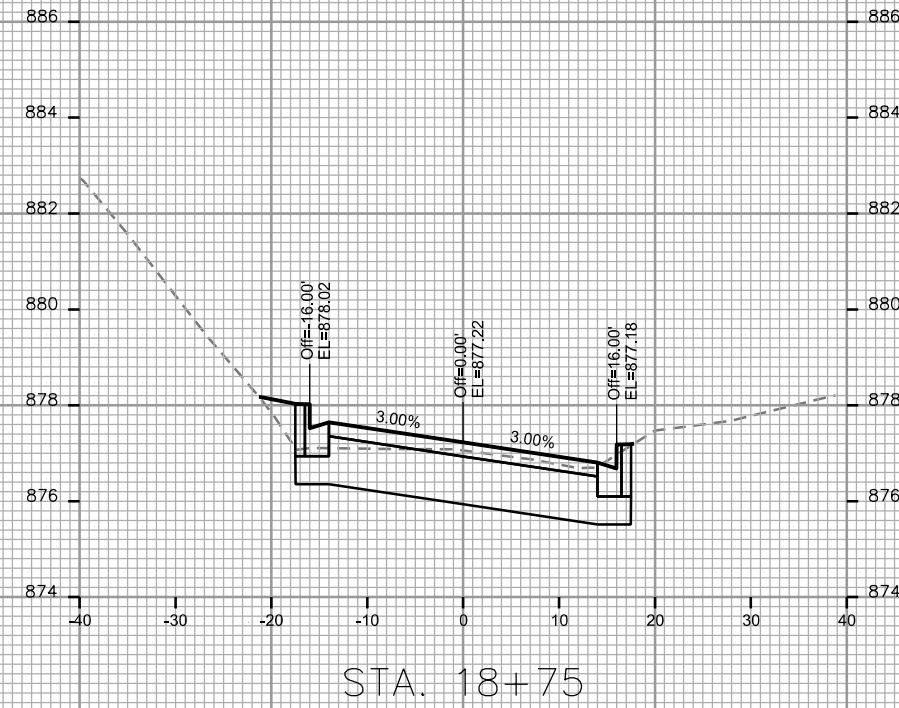
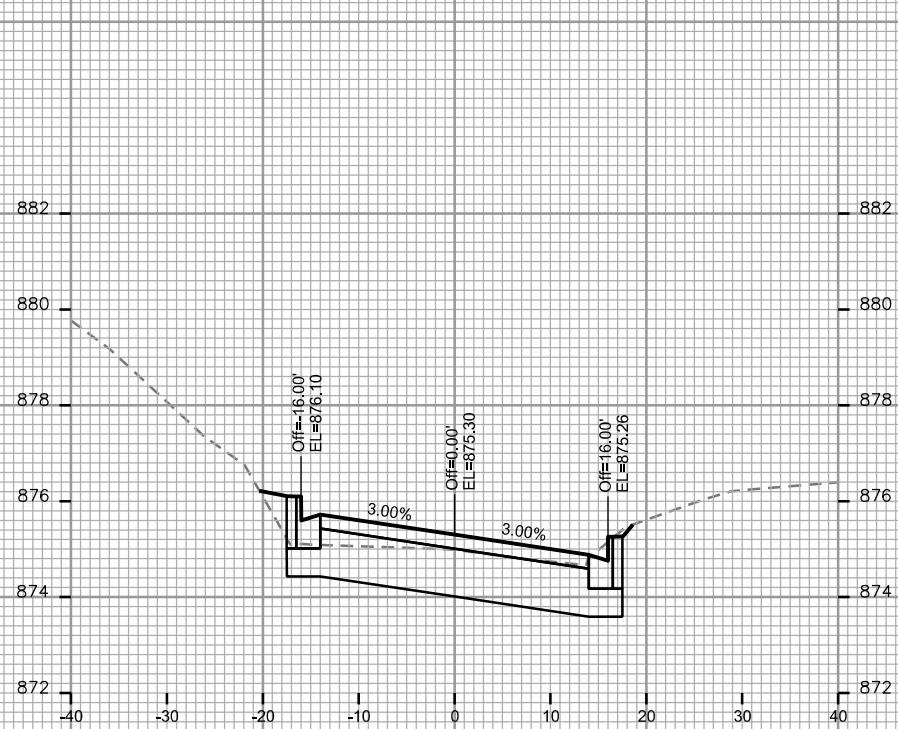
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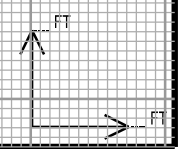
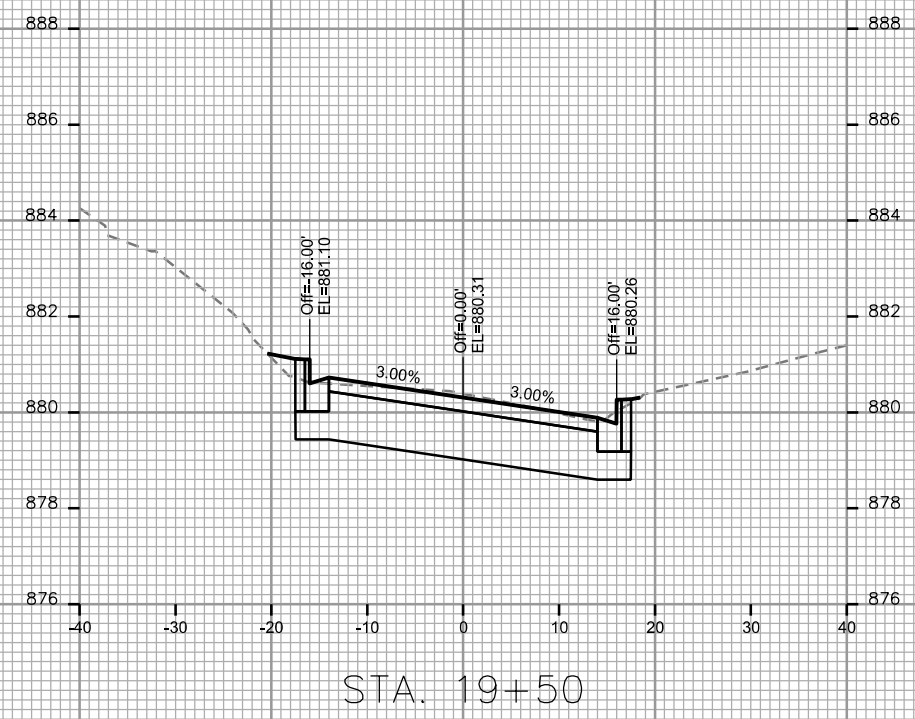
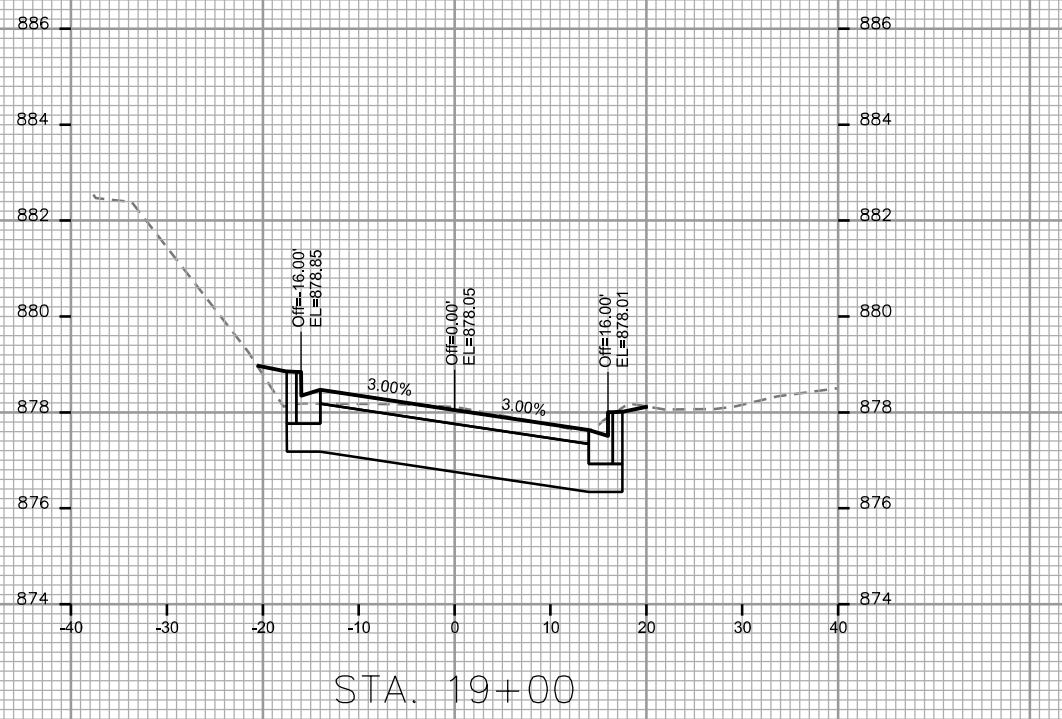
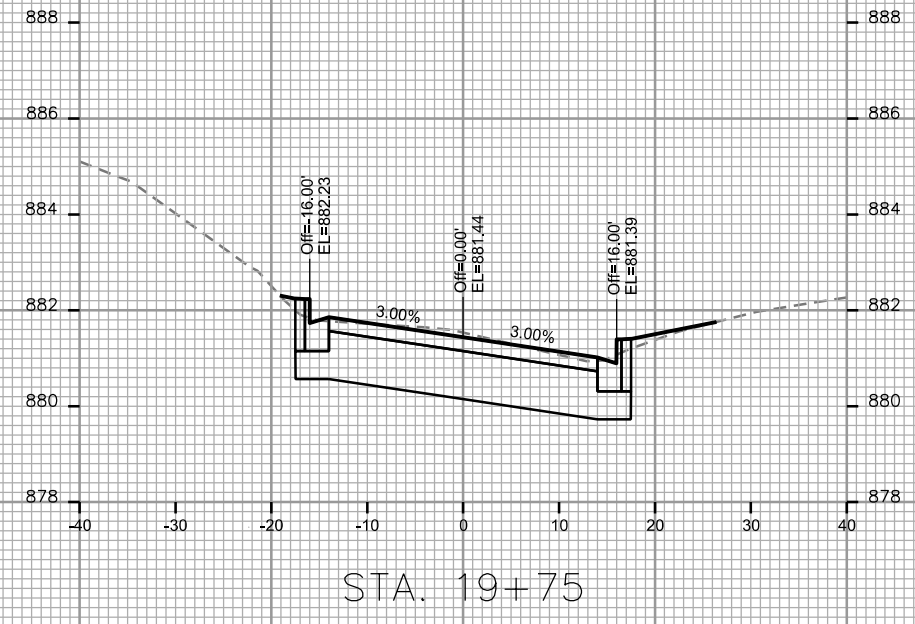
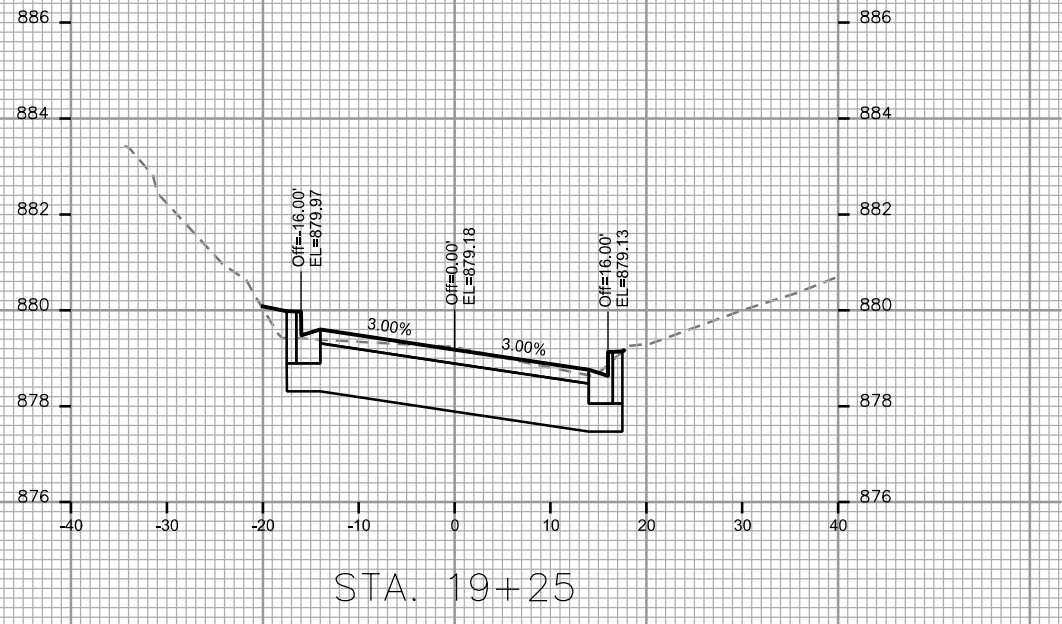
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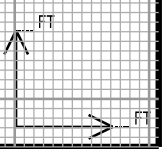
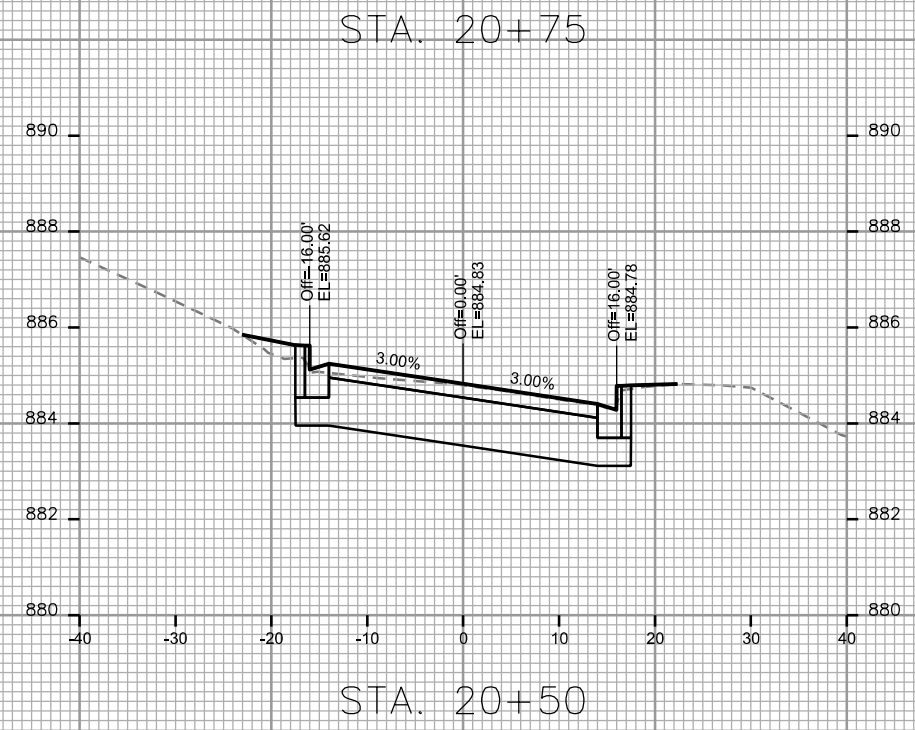
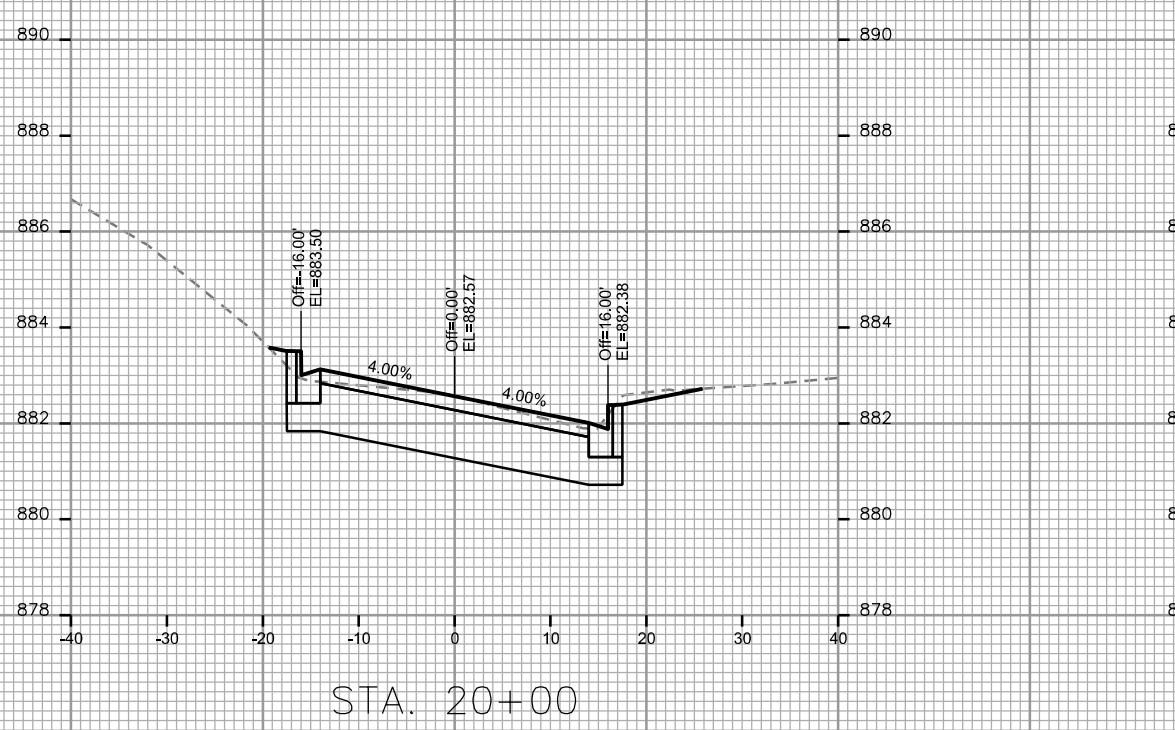
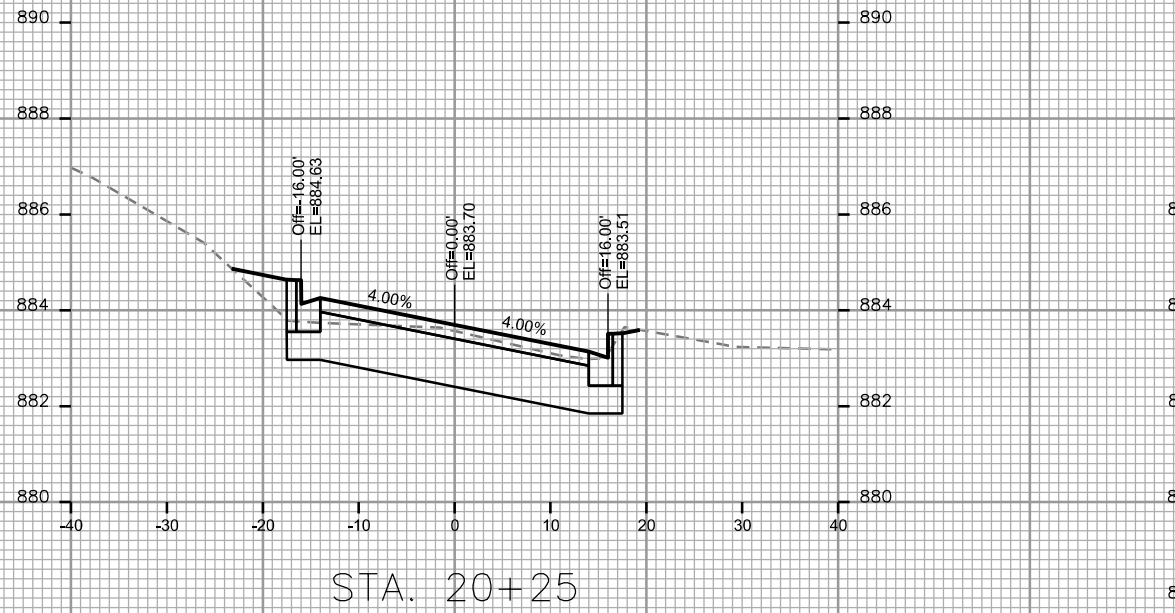
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CROSS SECTIONS

WOODLAWN DR

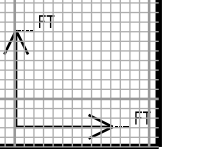
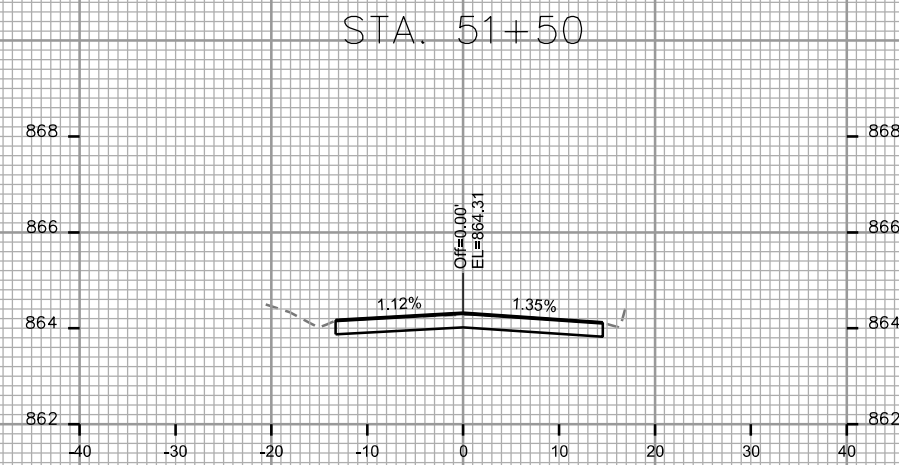
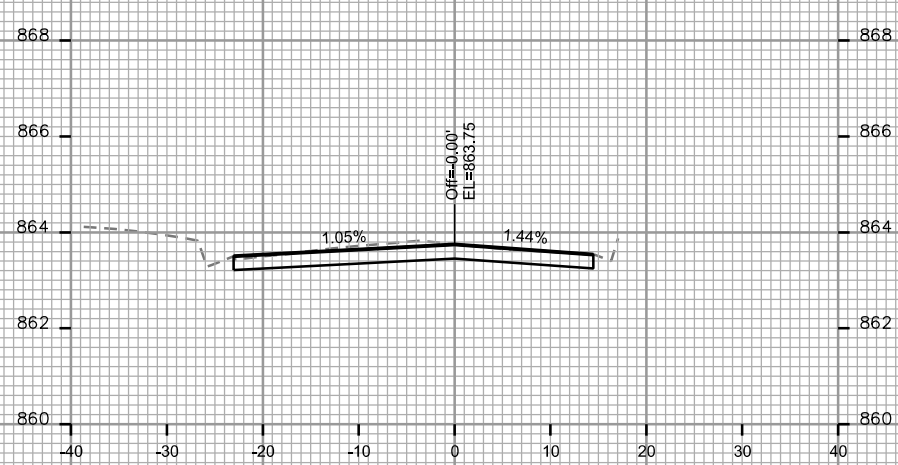
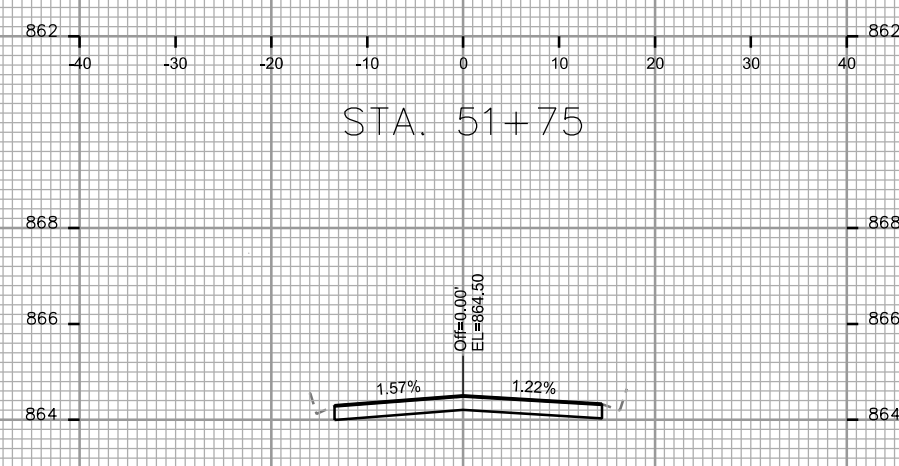
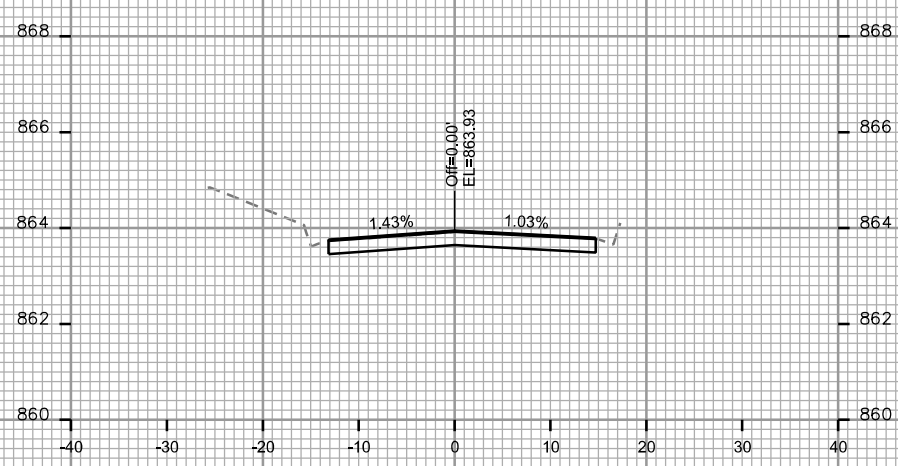
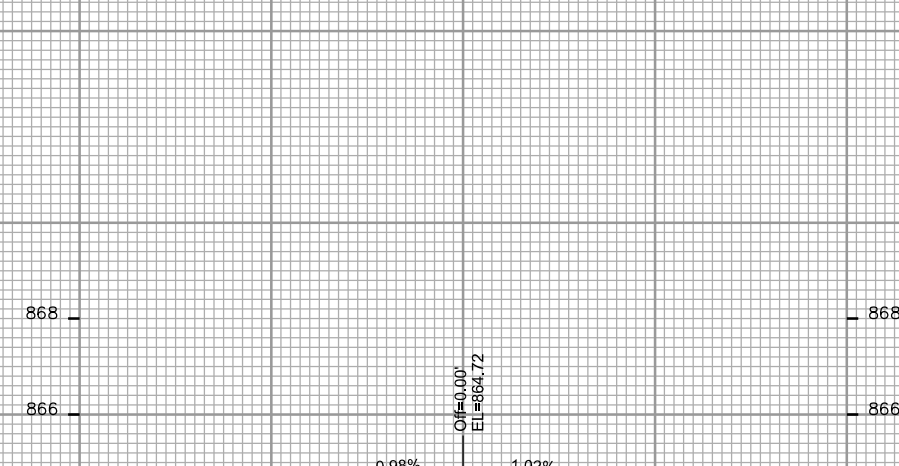
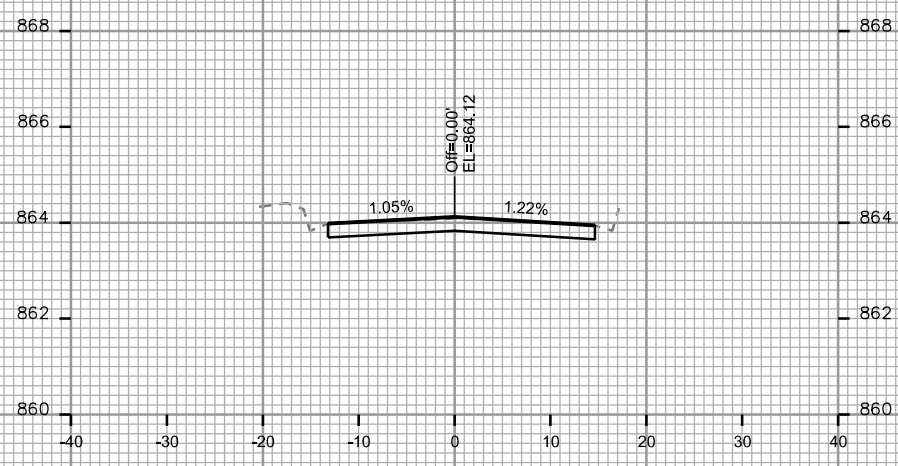
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