



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE: April 20, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

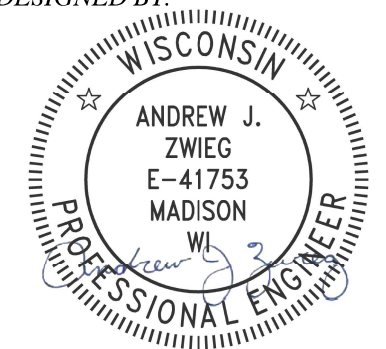
*Greg Fries*

May 21, 2021

City Engineer

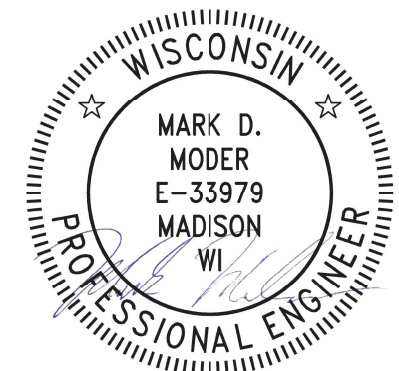
Date

STREET DESIGNED BY:



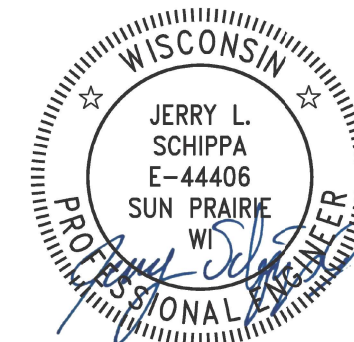
May 21, 2021

SANITARY SEWER DESIGNED BY:



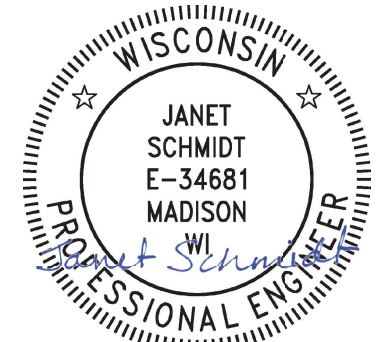
May 21, 2021

PAVEMENT MARKING DESIGNED BY:



May 21, 2021

STORM SEWER DESIGNED BY:



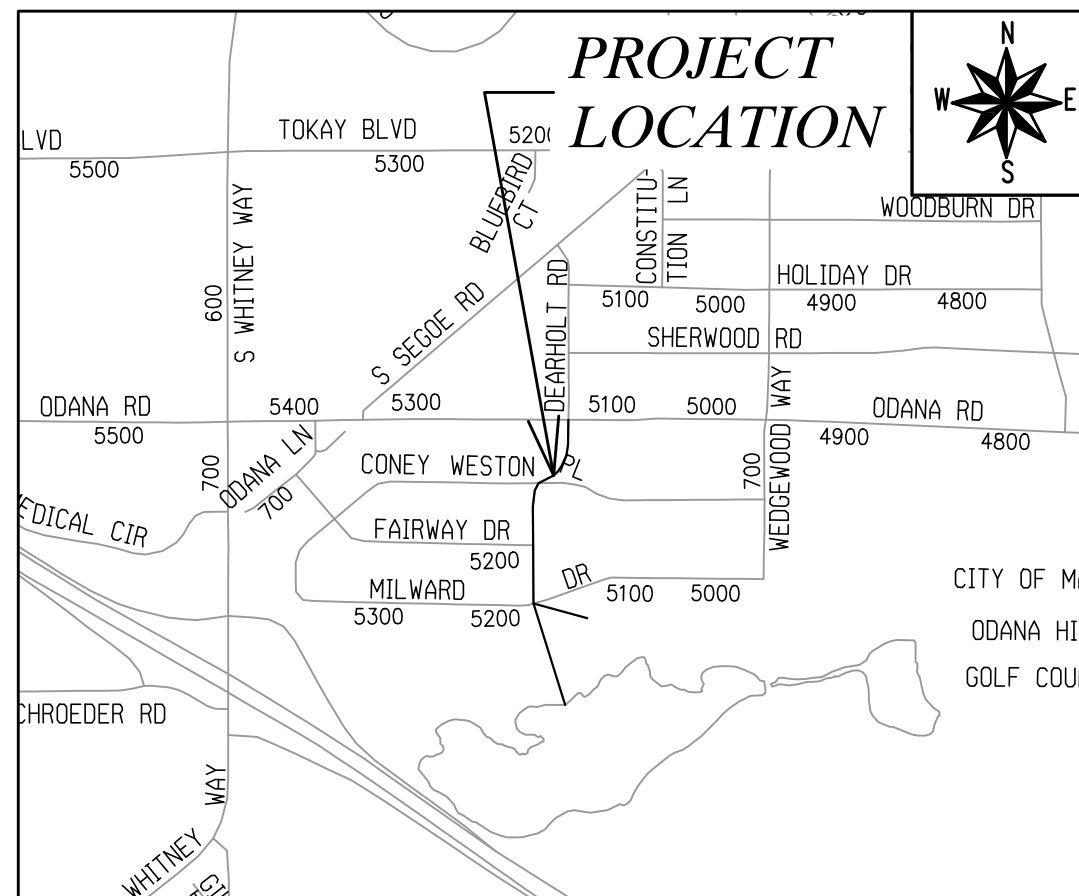
May 21, 2021

INDEX OF SHEETS

| SHEET NO. | TITLE                             |
|-----------|-----------------------------------|
| 1         | TITLE                             |
| D1        | TYPICAL SECTIONS                  |
| RG1       | TERRACE RAIN GARDEN               |
| EC1-EC4   | EROSION CONTROL PLANS             |
| P1-P4     | STREET PLAN & PROFILES            |
| U1-U4     | UTILITY PLAN & PROFILES           |
| U5        | SANITARY SEWER SCHEDULE           |
| U6-U7     | STORM SEWER SCHEDULE              |
| PM1       | PAVEMENT MARKING                  |
| X1-X4     | DEARHOLT ROAD CROSS SECTIONS      |
| X5        | CONEY WESTON PLACE CROSS SECTIONS |
| X6        | MILWARD DRIVE CROSS SECTIONS      |

## DEARHOLT ROAD ASSESSMENT DISTRICT - 2021

CITY PROJECT NO. 13282  
CONTRACT NO. 8585



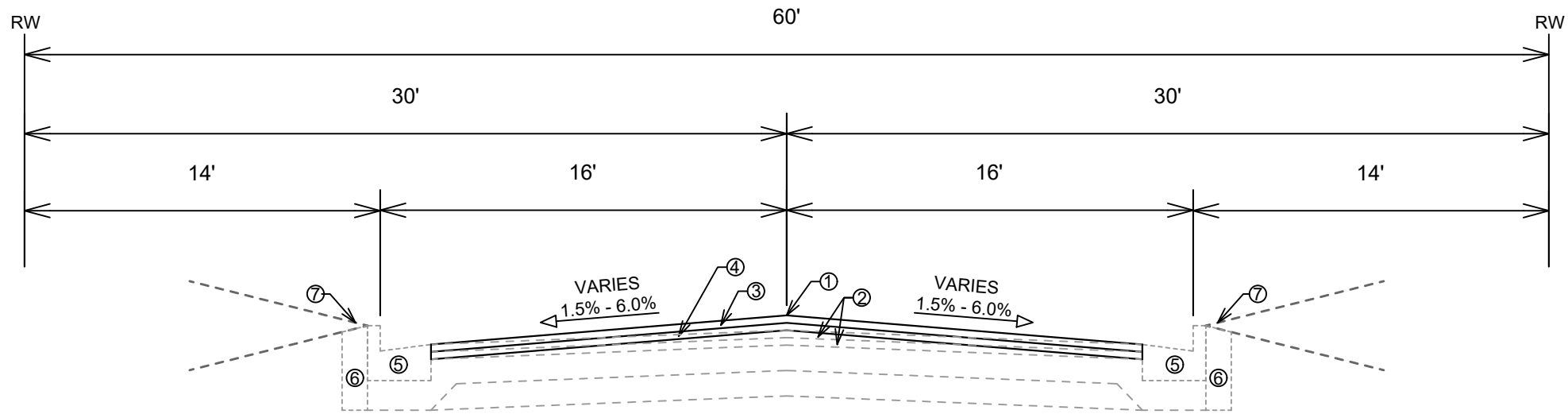
| CONVENTIONAL SIGNS                             |        |
|------------------------------------------------|--------|
| FIELD VERIFY ALL UTILITY LOCATIONS             |        |
| GAS                                            | — G —  |
| STORM SEWER                                    | — ST — |
| SANITARY SEWER                                 | — SN — |
| WATER                                          | — W —  |
| BURIED ELECTRIC                                | — E —  |
| OVERHEAD ELECTRIC                              | — OH — |
| POWER POLE                                     |        |
| ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD |        |
| COMBUSTIBLE FLUIDS                             |        |

NOTES:

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

SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

CITY MAINTENANCE PLAN NOT REQUIRED



**TYPICAL SECTION  
DEARHOLT ROAD  
STA 105+76.68 TO STA 115+21.12**

- ① POINT REFERRED TO ON PROFILE
- ② PULVERIZE AND SHAPE EX. PAVEMENT
- ③ 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S (UPPER LAYER)
- ④ 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S (LOWER LAYER)
- ⑤ SPOT REPLACE STND. TYPE 'A' CONCRETE CURB AND GUTTER, SEE P-SHEETS FOR LOCATIONS
- ⑥ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION AS NEEDED
- ⑦ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING

**SPECIAL NOTES:**

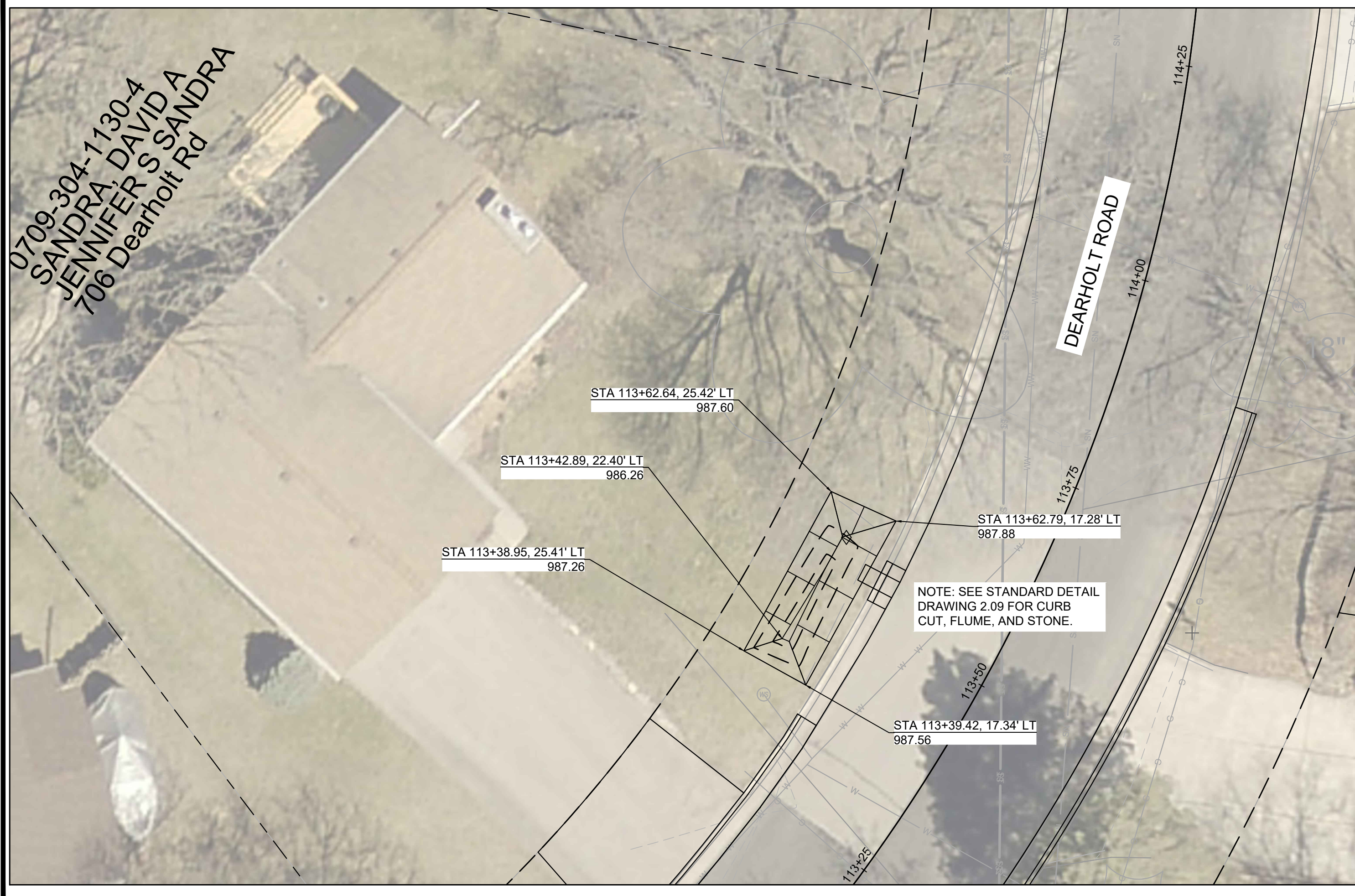
- SEE X-SHEETS FOR CROSS SLOPES AND EDGE OF PAVEMENT ELEVATIONS.
- TYPICAL SECTION NOT TO SCALE.

|                  |          |                    |                     |
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| 13282            |          |                    | D-1                 |

13282  
MADISON, WI  
8585  
CONTRACT NO:  
TYPICAL SECTIONS  
DEARHOLT RD RESURFACING W/UTILITIES  
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0709-304-1130-4  
 SANDRA, DAVID A  
 JENNIFER S SANDRA  
 706 Dearholt Rd



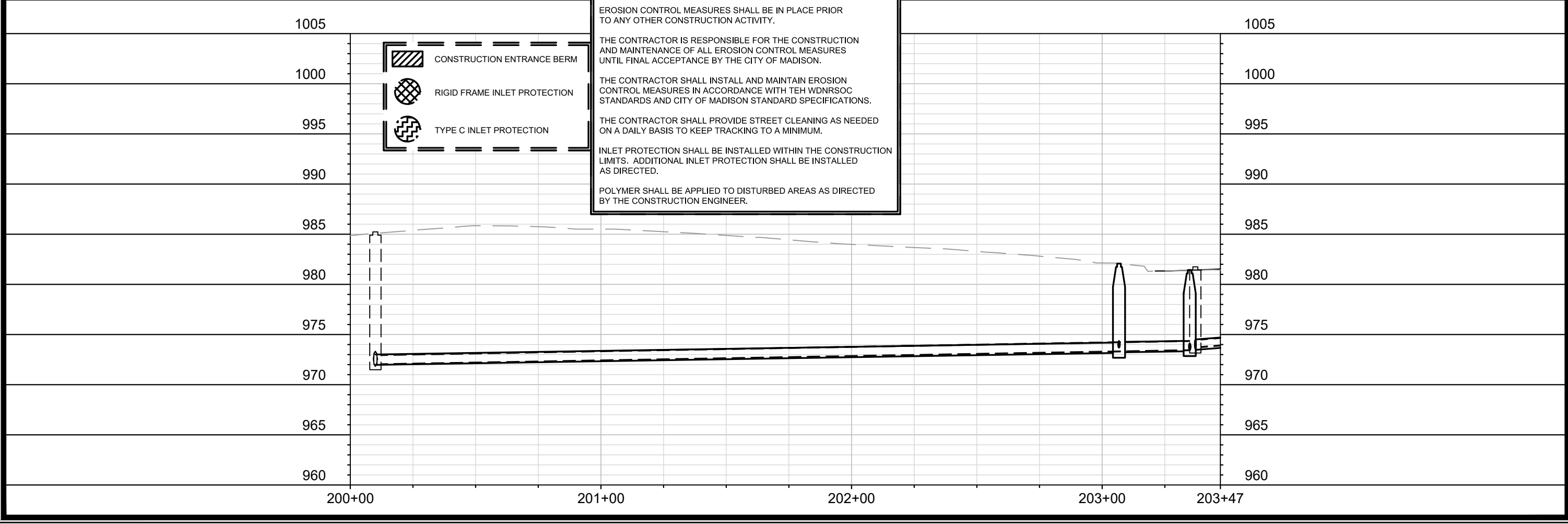
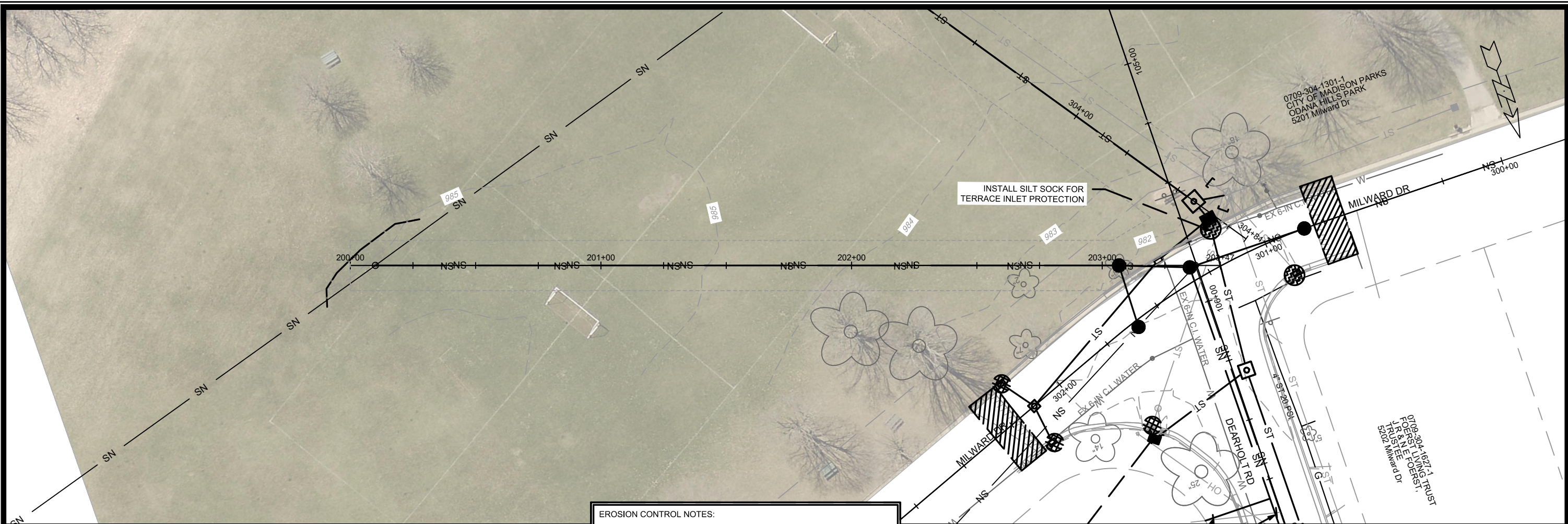
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13282  
 MADISON, WI  
 8585  
 CONTRACT NO:

TERRACE RAIN GARDEN  
 DEARHOLT RD RESURFACING W/UTILITIES

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13282  
 RG-1



**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.

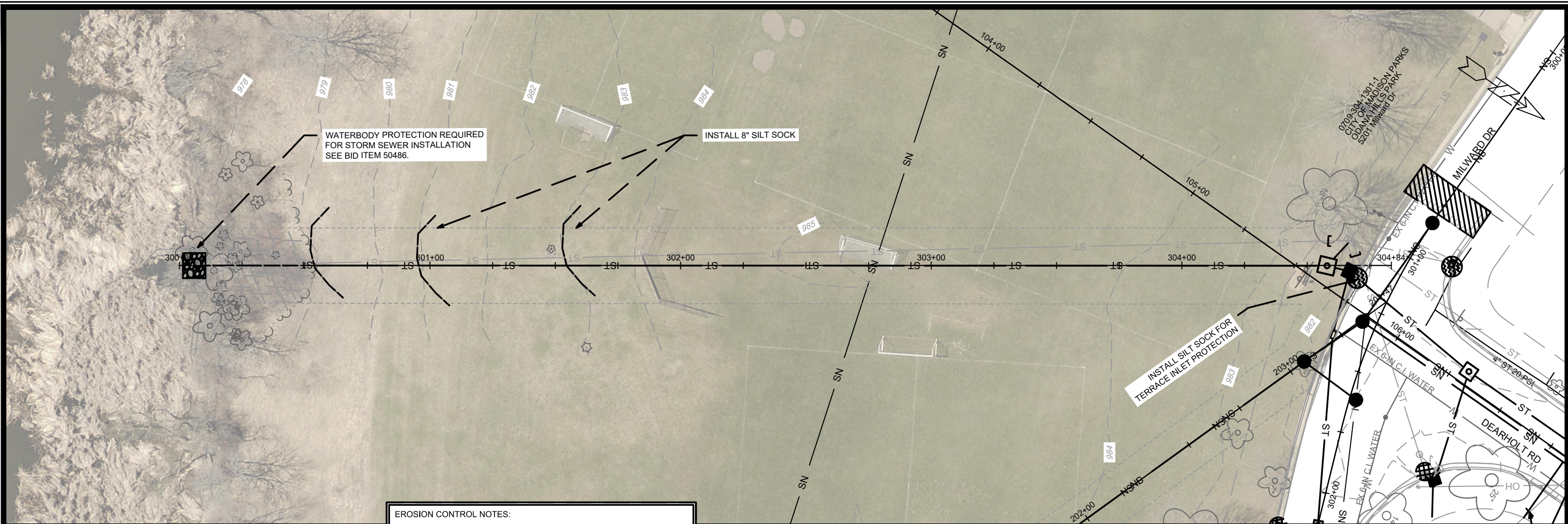
THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

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.

-  CONSTRUCTION ENTRANCE BERM
-  RIGID FRAME INLET PROTECTION
-  TYPE C INLET PROTECTION

|                                                                                       |                                                                    |                                                                                       |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | <b>13282</b><br><b>EC-1</b>                                        | <b>ODANA HILLS PARK EROSION CONTROL</b><br><b>DEARHOLT RD RESURFACING W/UTILITIES</b> |
| 13282<br>MADISON, WI<br>CONTRACT NO: 8585                                             | 13282<br>8585<br>CONTRACT NO:                                      | 0709-304-1301-1<br>CITY OF MADISON PARKS<br>ODANA HILLS PARK<br>5201 Milward Dr       |
| 0709-304-1301-1<br>FOREST FIDELITY<br>TRUST LLC<br>5202 Milward Dr                    | 0709-304-1301-1<br>FOREST FIDELITY<br>TRUST LLC<br>5202 Milward Dr | 0709-304-1301-1<br>FOREST FIDELITY<br>TRUST LLC<br>5202 Milward Dr                    |
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| 13282<br>EC-1                                                                         | 13282<br>EC-1                                                      | 13282<br>EC-1                                                                         |



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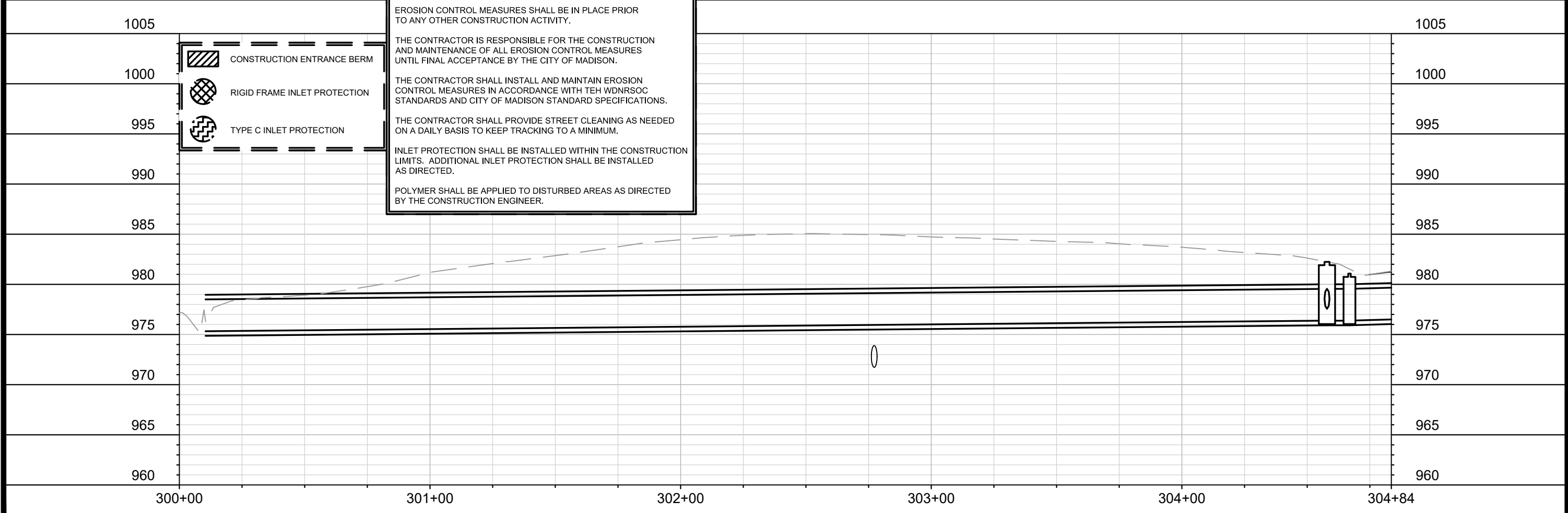
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-  CONSTRUCTION ENTRANCE BERM
-  RIGID FRAME INLET PROTECTION
-  TYPE C INLET PROTECTION



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13282  
 MADISON, WI  
 CONTRACT NO: 8585

ODANA HILLS PARK EROSION CONTROL  
 DEARHOLT RD RESURFACING W/UTILITIES  
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13282  
 EC-2

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 8585

13282  
 EC-2

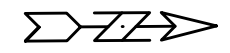
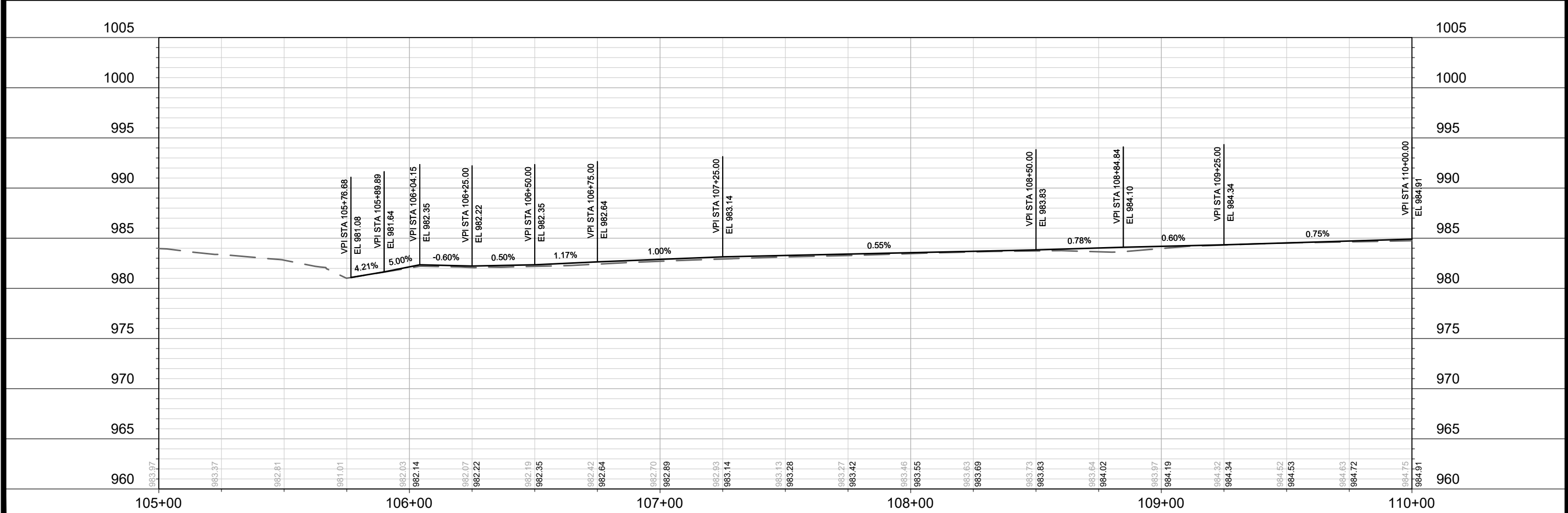
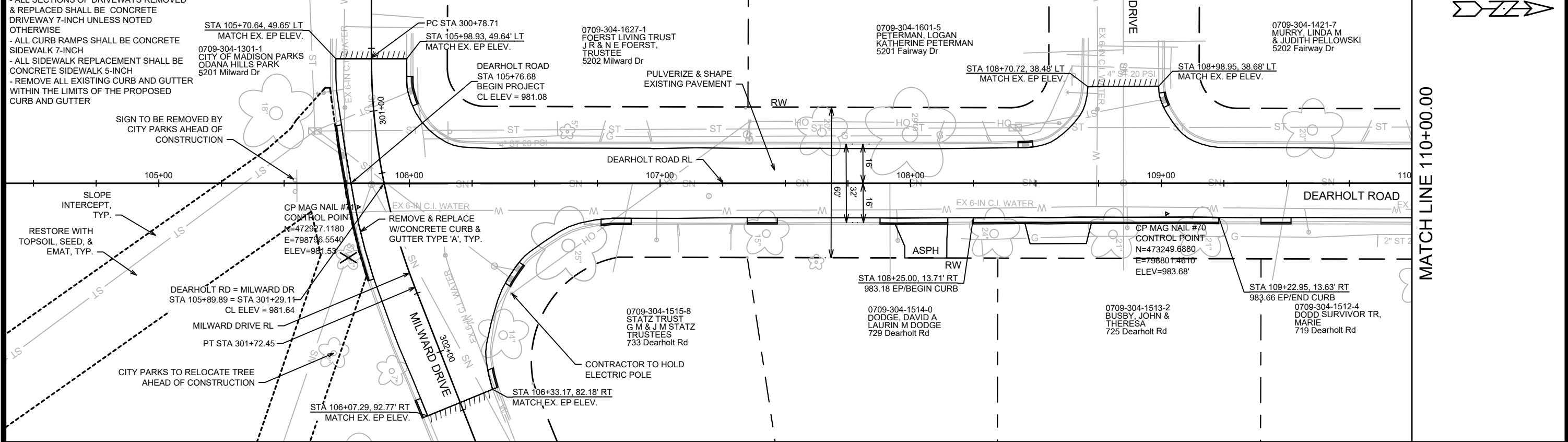


13282  
 EC-2





**LEGEND**  
 X CLEARING & GRUBBING  
 TTT SAWING ASPHALT  
**NOTES**  
 - ALL SECTIONS OF DRIVEWAYS REMOVED & REPLACED SHALL BE CONCRETE DRIVEWAY 7-INCH UNLESS NOTED OTHERWISE  
 - ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH  
 - ALL SIDEWALK REPLACEMENT SHALL BE CONCRETE SIDEWALK 5-INCH  
 - REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER



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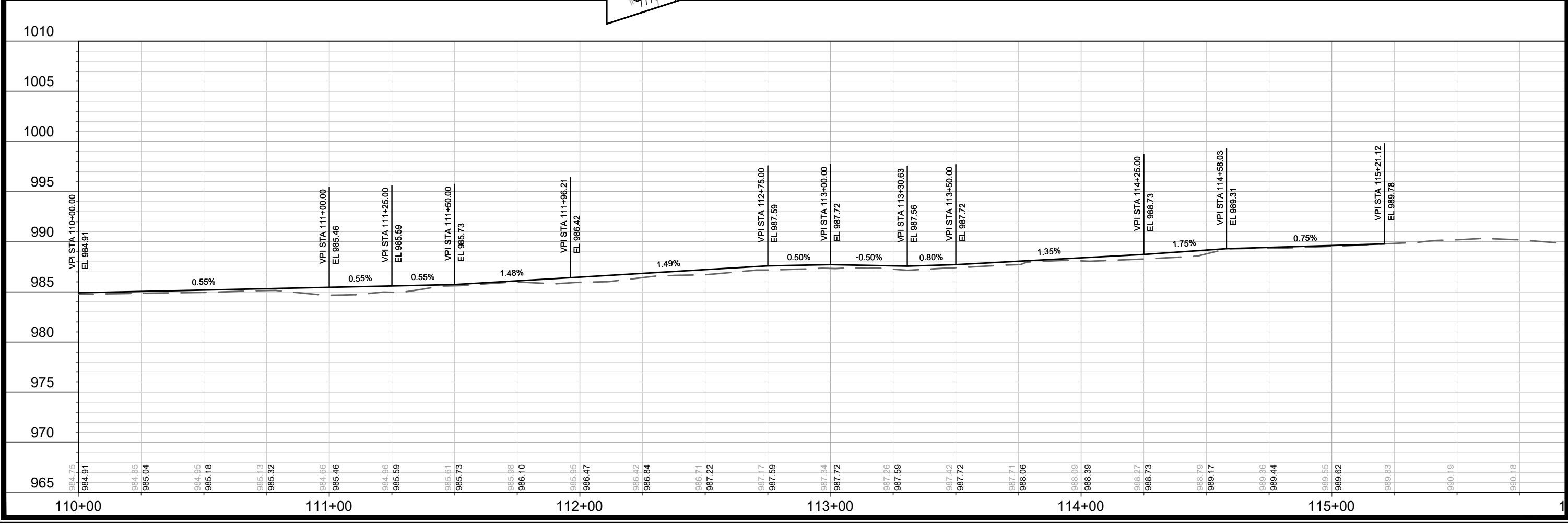
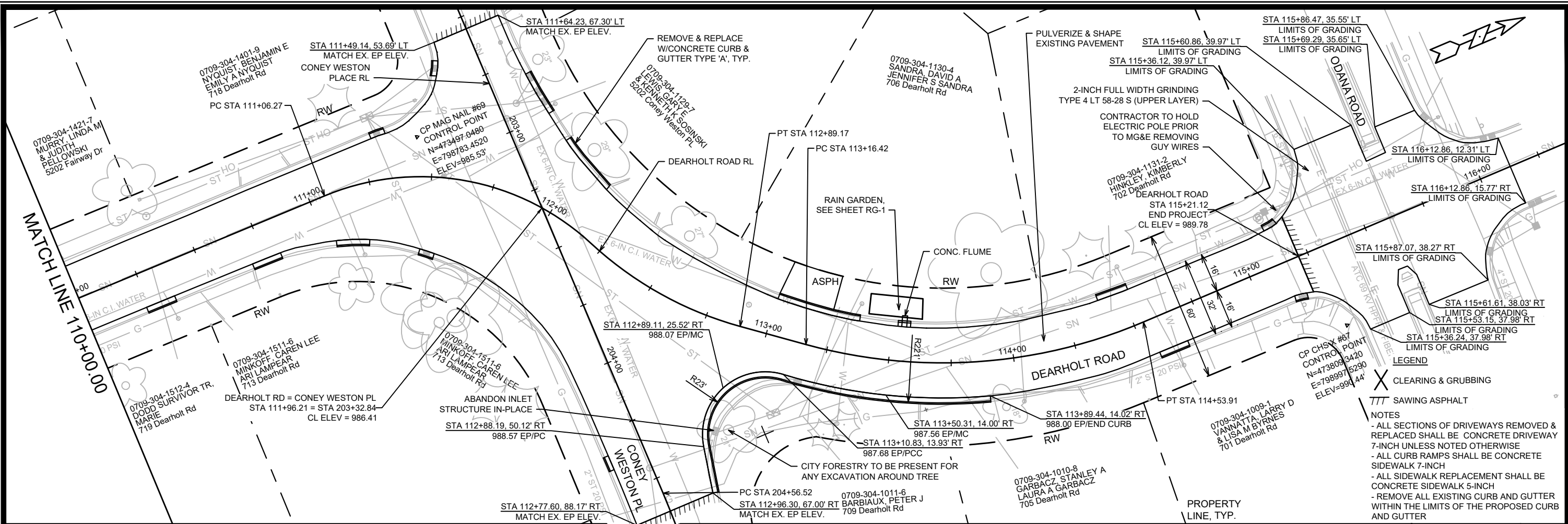
13282  
 MADISON, WI  
 8585  
 CONTRACT NO:

DEARHOLT ROAD PLAN AND PROFILE  
 DEARHOLT RD RESURFACING W/UTILITIES  
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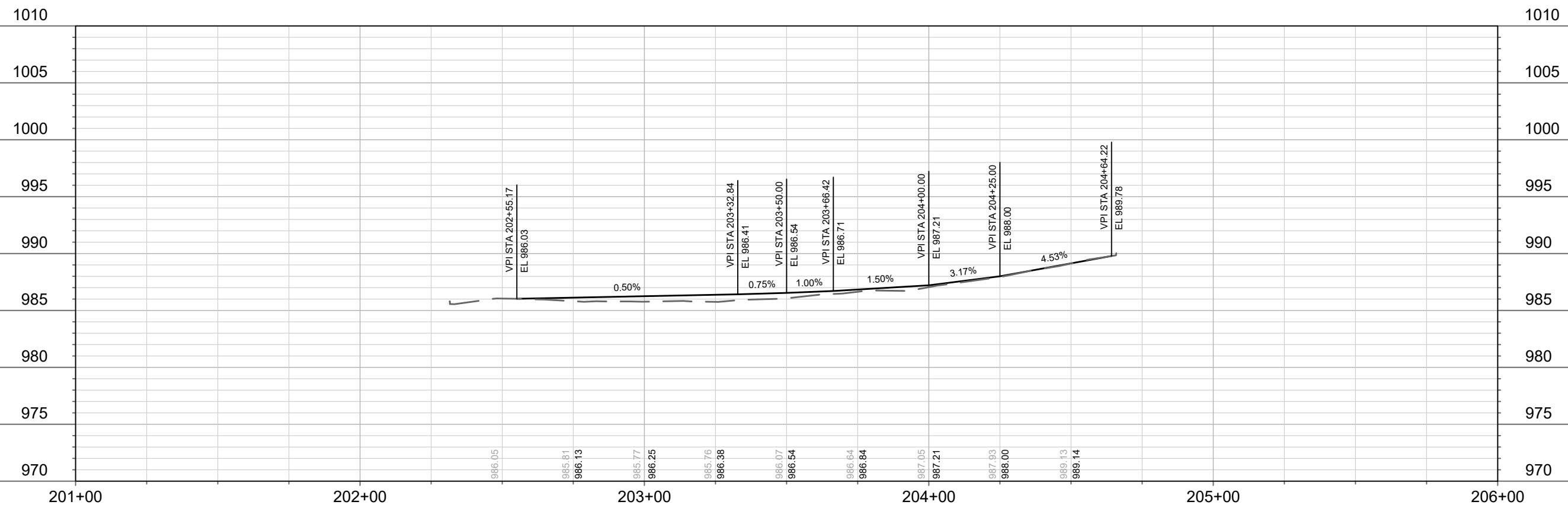
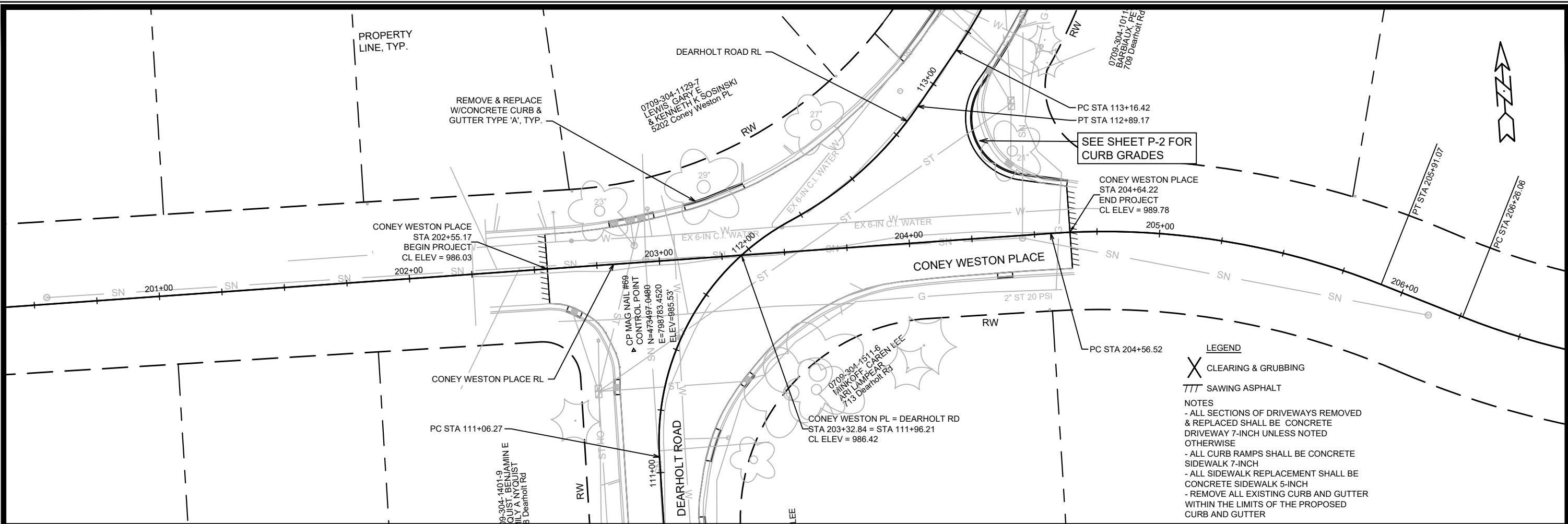


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 P-1





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| DATE                                                         | BY          | P-2  |
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| 13282                                                        | MADISON, WI | 8585 |
| CONTRACT NO:                                                 |             |      |
| DEARHOLT ROAD PLAN AND PROFILE                               |             |      |
| DEARHOLT RD RESURFACING W/UTILITIES                          |             |      |
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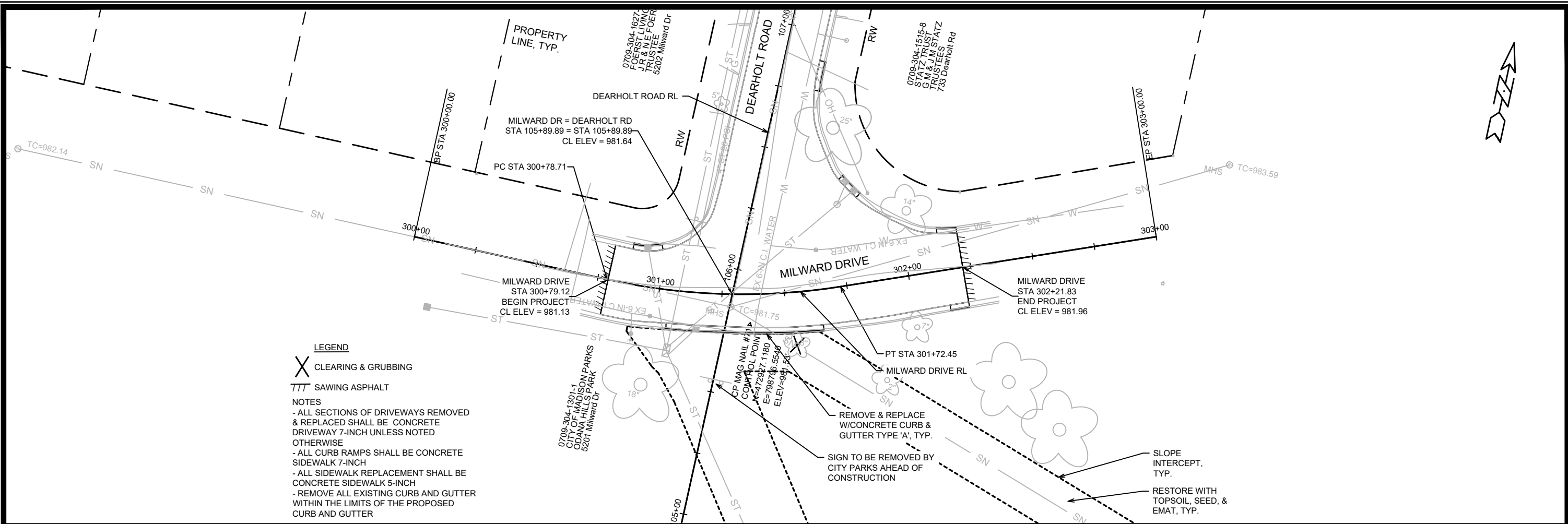


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13282  
MADISON, WI  
8585  
CONTRACT NO:

CONEY WESTON PLACE PLAN AND PROFILE  
DEARHOLT RD RESURFACING W/UTILITIES  
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13282  
P-3



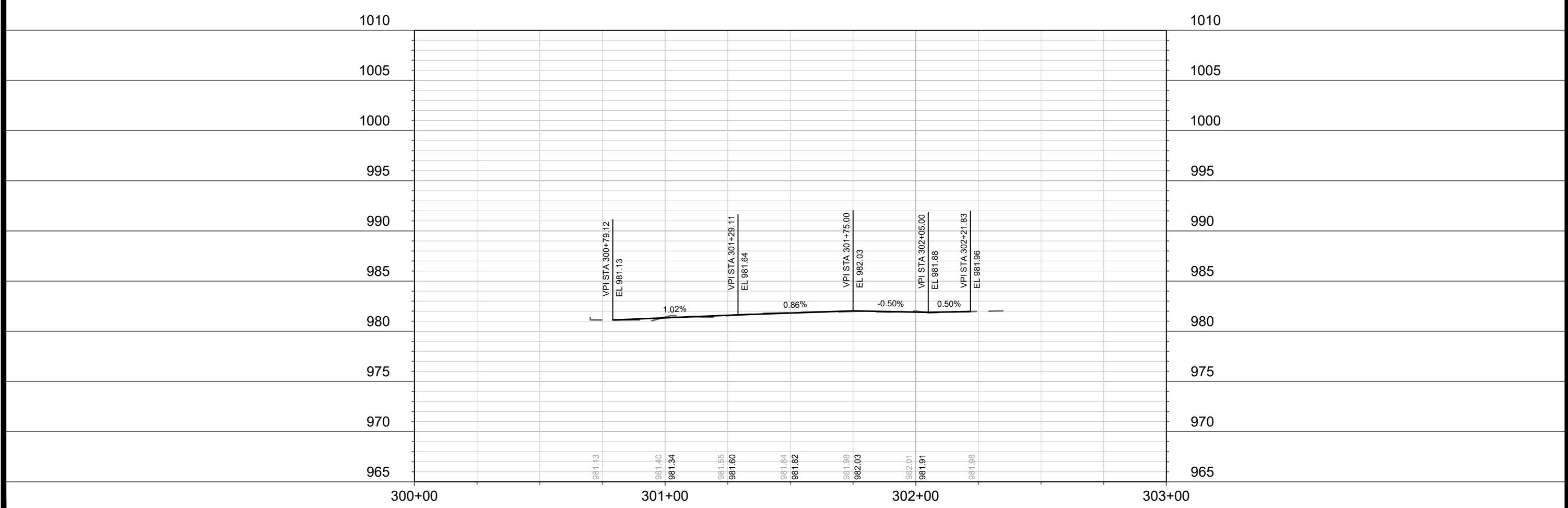
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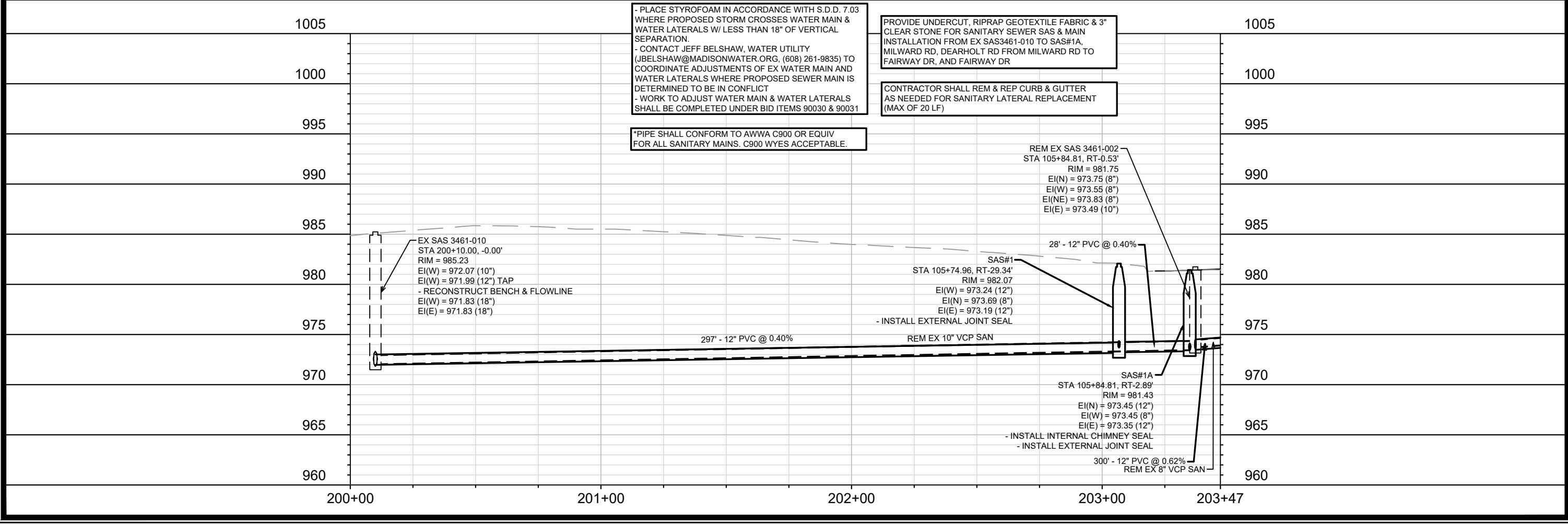
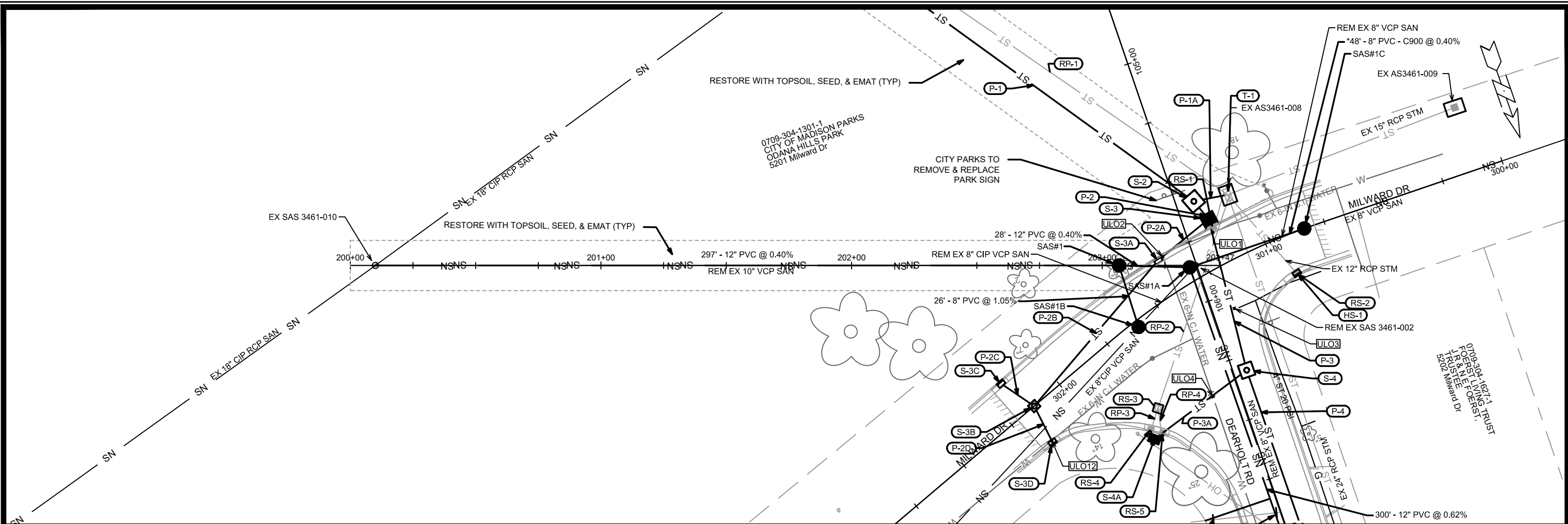
/// SAWING ASPHALT

**NOTES**

- ALL SECTIONS OF DRIVEWAYS REMOVED & REPLACED SHALL BE CONCRETE DRIVEWAY 7-INCH UNLESS NOTED OTHERWISE
- ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH
- ALL SIDEWALK REPLACEMENT SHALL BE CONCRETE SIDEWALK 5-INCH
- REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER



|                                                                |             |      |
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| 13282                                                          | MADISON, WI | 8585 |
| MILWARD DRIVE PLAN AND PROFILE                                 |             |      |
| DEARHOLT RD RESURFACING W/UTILITIES                            |             |      |
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| 13282                                                          |             | P-4  |



- PLACE STYROFOAM IN ACCORDANCE WITH S.D.D. 7.03 WHERE PROPOSED STORM CROSSES WATER MAIN & WATER LATERALS W/ LESS THAN 18" OF VERTICAL SEPARATION.

- CONTACT JEFF BELSHAW, WATER UTILITY (JBELSHAW@MADISONWATER.ORG, (608) 261-9835) TO COORDINATE ADJUSTMENTS OF EX WATER MAIN AND WATER LATERALS WHERE PROPOSED SEWER MAIN IS DETERMINED TO BE IN CONFLICT

- WORK TO ADJUST WATER MAIN & WATER LATERALS SHALL BE COMPLETED UNDER BID ITEMS 90030 & 90031

\*PIPE SHALL CONFORM TO AWWA C900 OR EQUIV FOR ALL SANITARY MAINS. C900 WYES ACCEPTABLE.

PROVIDE UNDERCUT, RIPRAP GEOTEXTILE FABRIC & 3" CLEAR STONE FOR SANITARY SEWER SAS & MAIN INSTALLATION FROM EX SAS3461-010 TO SAS#1A, MILWARD RD, DEARHOLT RD FROM MILWARD RD TO FAIRWAY DR, AND FAIRWAY DR

CONTRACTOR SHALL REM & REP CURB & GUTTER AS NEEDED FOR SANITARY LATERAL REPLACEMENT (MAX OF 20 LF)

EX SAS 3461-010  
 STA 200+10.00, -0.00'  
 RIM = 985.23  
 EI(W) = 972.07 (10")  
 EI(W) = 971.99 (12") TAP  
 - RECONSTRUCT BENCH & FLOWLINE  
 EI(W) = 971.83 (18")  
 EI(E) = 971.83 (18")

SAS#1  
 STA 105+74.96, RT-29.34'  
 RIM = 982.07  
 EI(W) = 973.24 (12")  
 EI(N) = 973.69 (8")  
 EI(E) = 973.19 (12")  
 - INSTALL EXTERNAL JOINT SEAL

REM EX SAS 3461-002  
 STA 105+84.81, RT-0.53'  
 RIM = 981.75  
 EI(N) = 973.75 (8")  
 EI(W) = 973.55 (8")  
 EI(NE) = 973.83 (8")  
 EI(E) = 973.49 (10")

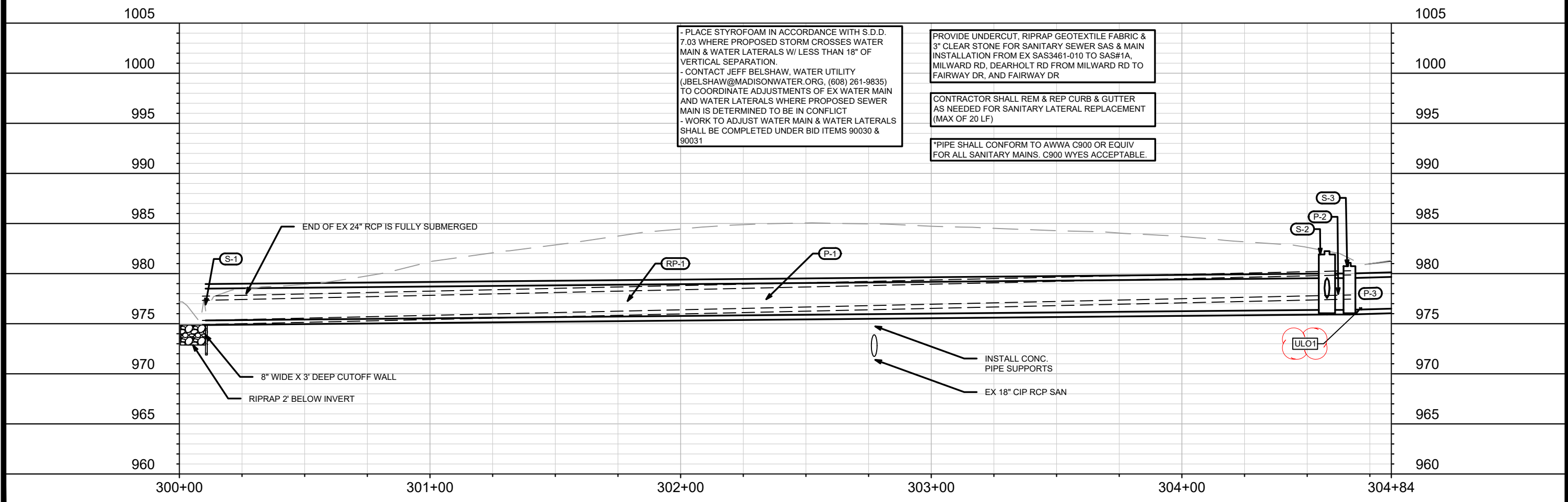
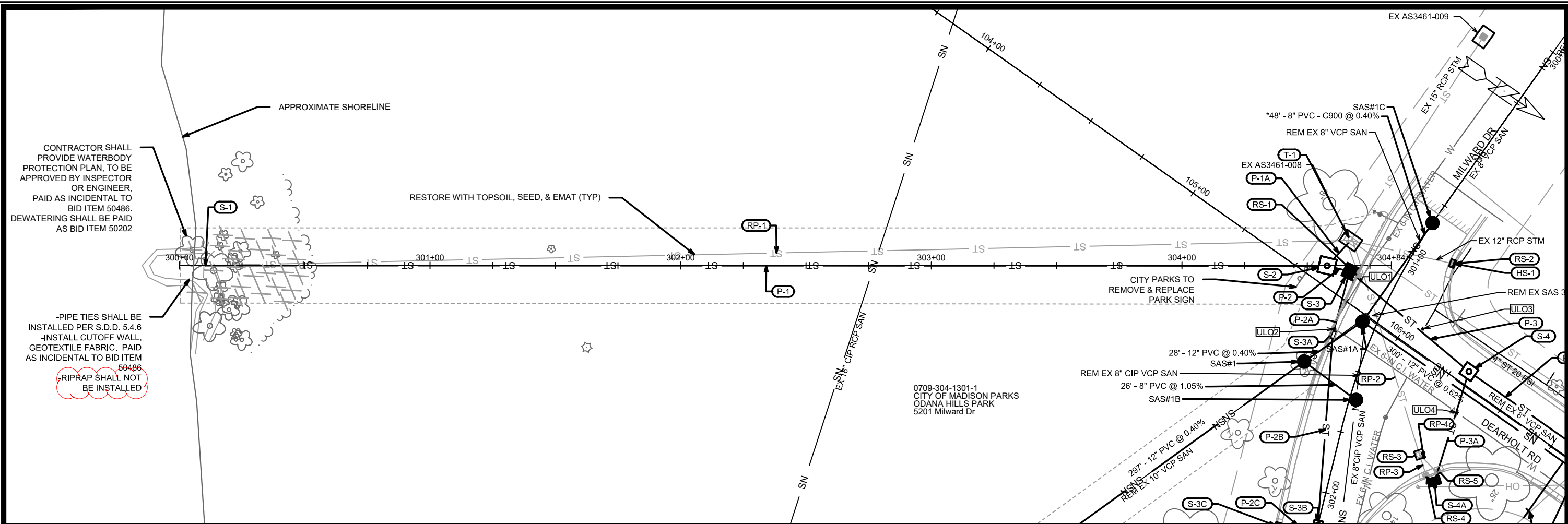
SAS#1A  
 STA 105+84.81, RT-2.89'  
 RIM = 981.43  
 EI(N) = 973.45 (12")  
 EI(W) = 973.45 (8")  
 EI(E) = 973.35 (12")  
 - INSTALL INTERNAL CHIMNEY SEAL  
 - INSTALL EXTERNAL JOINT SEAL

|                  |                         |
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13282  
 MADISON, WI  
 8585  
 CONTRACT NO:

ODANA HILLS PARK SANITARY PLAN & PROFILE  
 DEARHOLT RD RESURFACING W/UTILITIES  
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13282  
 U-1



- PLACE STYROFOAM IN ACCORDANCE WITH S.D.D. 7.03 WHERE PROPOSED STORM CROSSES WATER MAIN & WATER LATERALS W/ LESS THAN 18" OF VERTICAL SEPARATION.  
 - CONTACT JEFF BELSHAW, WATER UTILITY (JBELSHAW@MADISONWATER.ORG, (608) 261-9835) TO COORDINATE ADJUSTMENTS OF EX WATER MAIN AND WATER LATERALS WHERE PROPOSED SEWER MAIN IS DETERMINED TO BE IN CONFLICT  
 - WORK TO ADJUST WATER MAIN & WATER LATERALS SHALL BE COMPLETED UNDER BID ITEMS 90030 & 90031

PROVIDE UNDERCUT, RIPRAP GEOTEXTILE FABRIC & 3" CLEAR STONE FOR SANITARY SEWER SAS & MAIN INSTALLATION FROM EX SAS3461-010 TO SAS#1A, MILWARD RD, DEARHOLT RD FROM MILWARD RD TO FAIRWAY DR, AND FAIRWAY DR

CONTRACTOR SHALL REM & REP CURB & GUTTER AS NEEDED FOR SANITARY LATERAL REPLACEMENT (MAX OF 20 LF)

\*PIPE SHALL CONFORM TO AWWA C900 OR EQUIV FOR ALL SANITARY MAINS. C900 WYES ACCEPTABLE.

CONTRACTOR SHALL PROVIDE WATERBODY PROTECTION PLAN, TO BE APPROVED BY INSPECTOR OR ENGINEER. PAID AS INCIDENTAL TO BID ITEM 50486. DEWATERING SHALL BE PAID AS BID ITEM 50202

-PIPE TIES SHALL BE INSTALLED PER S.D.D. 5.4.6  
 -INSTALL CUTOFF WALL, GEOTEXTILE FABRIC. PAID AS INCIDENTAL TO BID ITEM 50486  
 -RIPRAP SHALL NOT BE INSTALLED

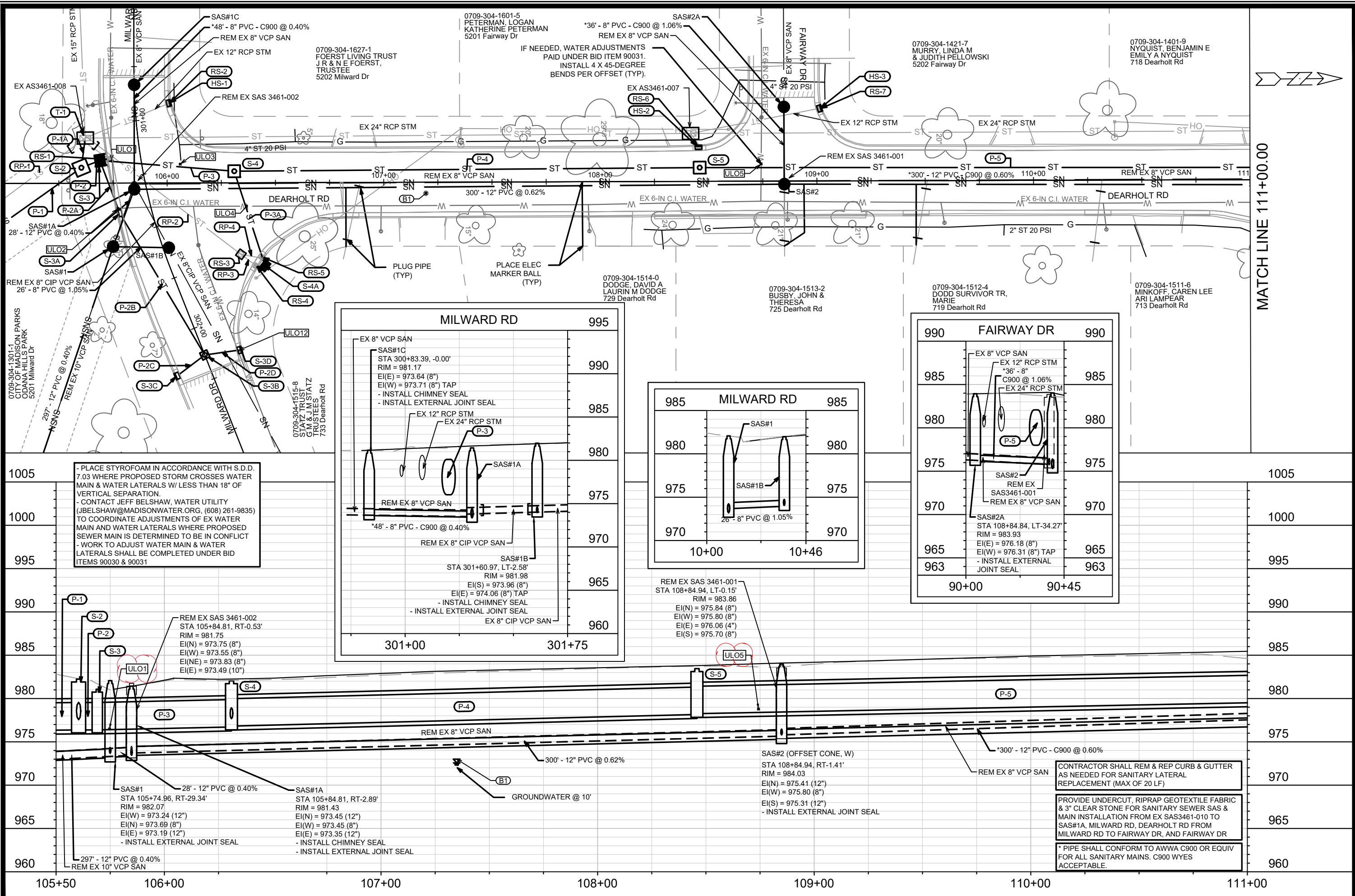
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|      | 13282        |                          | U-2 |

13282  
 MADISON, WI  
 8585  
 CONTRACT NO:

ODANA HILLS PARK STORM PLAN & PROFILE  
 DEARHOLT RD RESURFACING W/UTILITIES  
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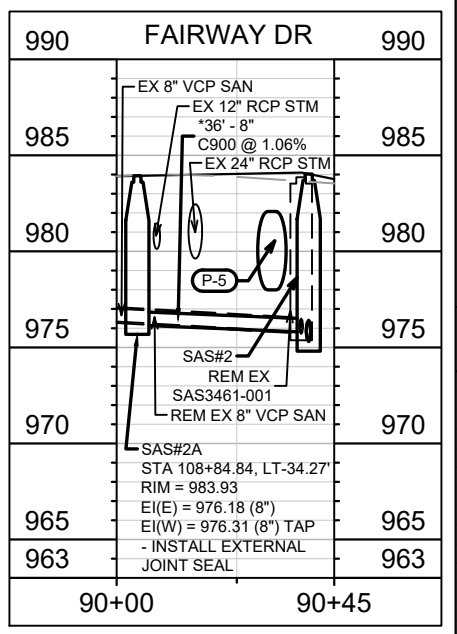
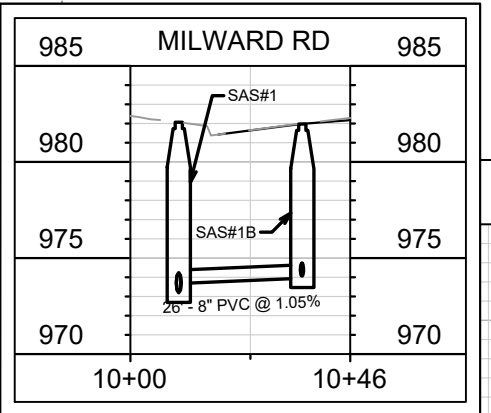
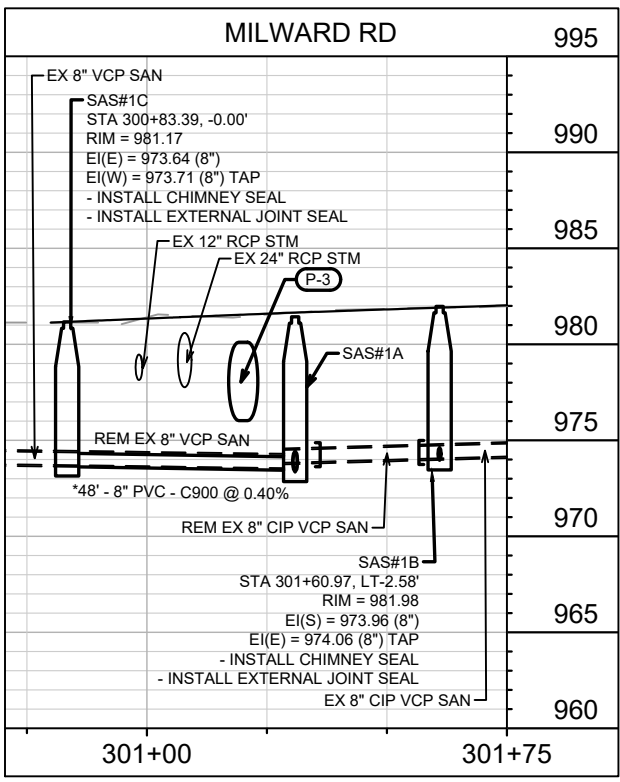


13282  
 U-2



MATCH LINE 111+00.00

- PLACE STYROFOAM IN ACCORDANCE WITH S.D.D. 7.03 WHERE PROPOSED STORM CROSSES WATER MAIN & WATER LATERALS W/ LESS THAN 18" OF VERTICAL SEPARATION.  
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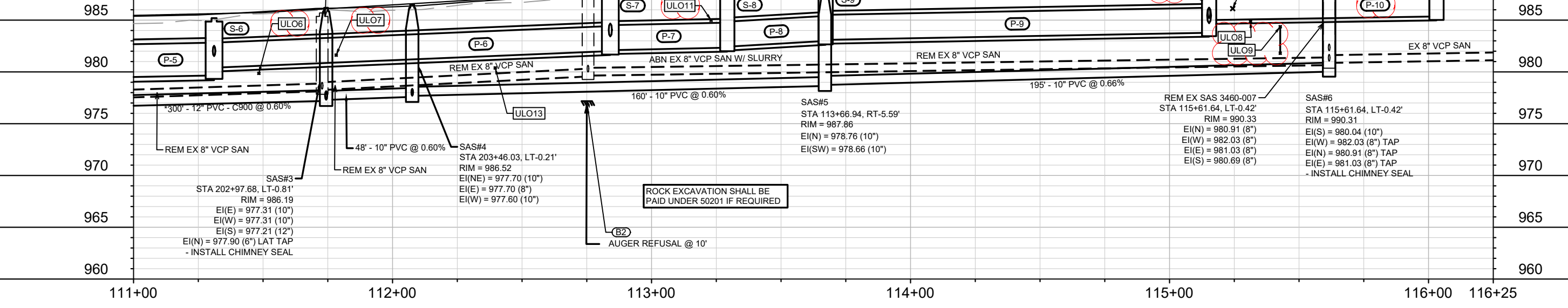
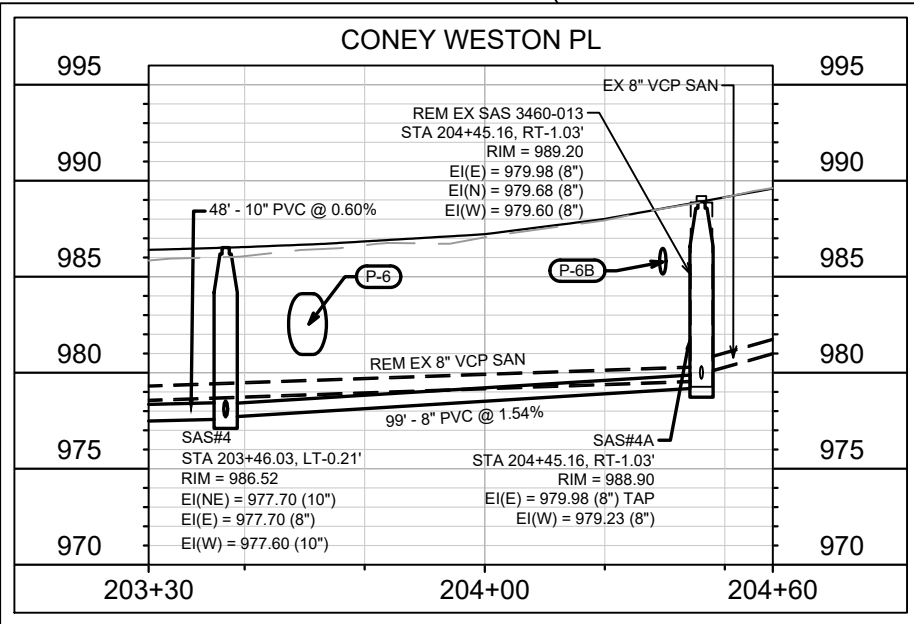
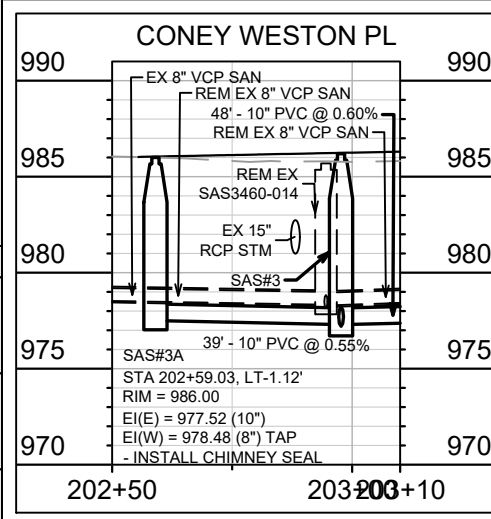
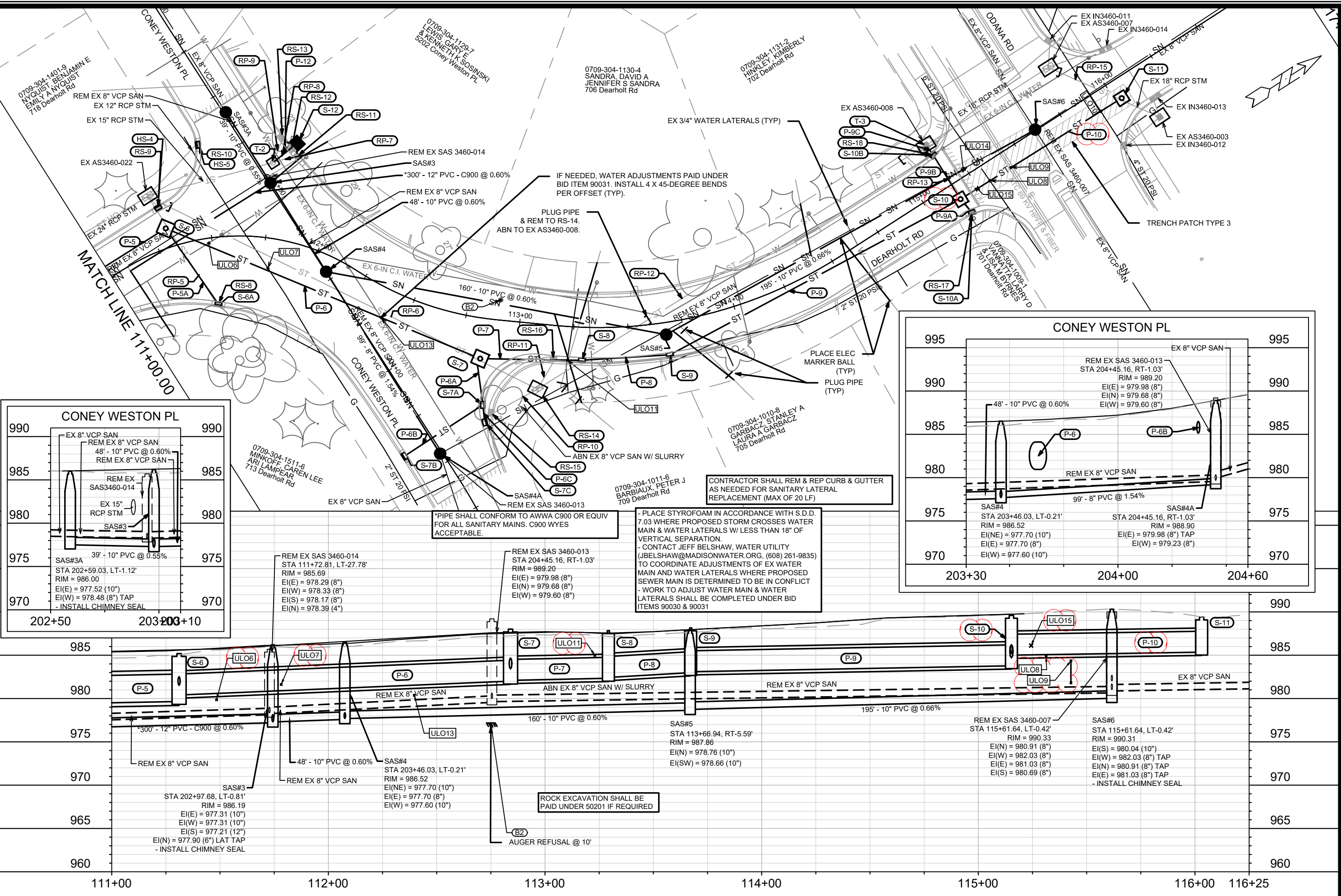


CONTRACTOR SHALL REM & REP CURB & GUTTER AS NEEDED FOR SANITARY LATERAL REPLACEMENT (MAX OF 20 LF)

PROVIDE UNDERCUT, RIPRAP GEOTEXTILE FABRIC & 3" CLEAR STONE FOR SANITARY SEWER SAS & MAIN INSTALLATION FROM EX SAS3461-010 TO SAS#1A, MILWARD RD, DEARHOLT RD FROM MILWARD RD TO FAIRWAY DR, AND FAIRWAY DR

\* PIPE SHALL CONFORM TO AWWA C900 OR EQUIV FOR ALL SANITARY MAINS. C900 WYES ACCEPTABLE.

|                                                                  |                                   |                          |              |     |
|------------------------------------------------------------------|-----------------------------------|--------------------------|--------------|-----|
| 13282                                                            | 8/13/21                           | DAO                      | BY           | U-3 |
| REVISION 1                                                       | REVISION                          | DATE                     | BY           |     |
| MARK                                                             | DESIGNED BY: ALZ                  | DATE: 8/17/2021 12:53 PM | Scale: ##### |     |
| 13282                                                            |                                   |                          |              |     |
| 13282                                                            | MADISON, WI                       | 8585                     |              |     |
| DEARHOLT RD SEWER PLAN & PROFILE                                 | DEARHOLT RD RESURFACING UTILITIES |                          |              |     |
| M:\DESIGN\Projects\13282\CAD\Sanitary\13282_SEWER_PnP LAYOUT.dwg |                                   |                          |              |     |
| CITY OF MADISON WISCONSIN                                        |                                   |                          |              |     |
| 13282                                                            |                                   |                          |              |     |
| U-3                                                              |                                   |                          |              |     |




|            |         |     |
|------------|---------|-----|
| REVISION   | DATE    | BY  |
| REVISION 1 | 8/13/21 | DAO |

Designed By: ALZ  
Date: 8/17/2021 12:53 PM  
Scale: #####  
U-4

13282  
MADISON, WI  
8585  
CONTRACT NO:

DEARHOLT RD SEWER PLAN & PROFILE  
DEARHOLT RD RESURFACING UTILITIES  
M:\DESIGN\Projects\13282\CAD\Sanitary\13282\_SEWER\_PnP LAYOUT.dwg



13282  
U-4

# SANITARY SEWER SCHEDULE

\* REVISION 1- 8/13/2021 DAO

|                                     |           |
|-------------------------------------|-----------|
| DEARHOLT RD RESURFACING W/UTILITIES | SHEET NO. |
| PROJECT NO. 13282                   | U-5       |
| SANITARY SEWER SCHEDULE             |           |
| CITY OF MADISON                     |           |

## PROPOSED SANITARY STRUCTURES

| SAS NO.                | STATION   | LOCATION (OFFSET) | TOP OF CASTING | E.I.   | DEPTH (FT)  | NOTES  |
|------------------------|-----------|-------------------|----------------|--------|-------------|--------|
| <b>DEARHOLT AVE</b>    |           |                   |                |        |             |        |
| SAS#1                  | 105+74.96 | RT-29.34          | 982.07         | 973.19 | 8.88        | (2)    |
| SAS#1A                 | 105+84.81 | RT-2.89           | 981.43         | 973.35 | 8.08        | (1)(2) |
| * SAS#2                | 108+84.94 | RT-1.41           | <b>984.03</b>  | 975.31 | <b>8.72</b> | (2)(3) |
| SAS#2A                 | 18+84.84  | LT-34.27          | 983.93         | 976.18 | 7.75        | (2)    |
| SAS#5                  | 113+66.94 | RT-5.59           | 987.86         | 978.66 | 9.20        |        |
| SAS#6                  | 115+61.64 | LT-0.42           | 990.31         | 980.04 | 10.27       | (1)    |
| <b>MILWARD RD</b>      |           |                   |                |        |             |        |
| SAS#1B                 | 301+60.97 | LT-2.58           | 981.98         | 973.96 | 8.02        | (1)(2) |
| SAS#1C                 | 30+83.39  | CL                | 981.17         | 973.64 | 7.53        | (1)(2) |
| <b>CONEY WESTON PL</b> |           |                   |                |        |             |        |
| SAS#3                  | 202+97.68 | LT-0.81           | 986.19         | 977.21 | 8.98        | (1)    |
| SAS#3A                 | 202+59.03 | LT-1.12           | 986.00         | 977.52 | 8.48        | (1)    |
| SAS#4                  | 203+46.03 | LT-0.21           | 986.52         | 977.60 | 8.92        |        |
| SAS#4A                 | 204+45.16 | RT-1.03           | 988.90         | 979.23 | 9.67        |        |

## SANITARY STRUCTURE REMOVALS

| STRUC. NO.             | ID NO.    | STATION  | LOCATION TYPE (OFFSET) | NOTES |
|------------------------|-----------|----------|------------------------|-------|
| <b>DEARHOLT AVE</b>    |           |          |                        |       |
| SAS3461-002            | 105+84.81 | RT-0.53  | 981.75                 |       |
| SAS3461-001            | 108+84.94 | LT-0.15  | 983.86                 |       |
| SAS3460-014            | 111+72.81 | LT-27.78 | 985.69                 |       |
| SAS3460-007            | 115+61.64 | LT-0.42  | 990.33                 |       |
| <b>CONEY WESTON PL</b> |           |          |                        |       |
| SAS3460-013            | 204+45.16 | RT-1.03  | 989.20                 |       |

## SPECIFIC NOTES:

- (1) INSTALL INTERNAL CHIMNEY SEAL
- (2) INSTALL EXTERNAL JOINT SEAL
- (3) INSTALL OFFSET CONE

## NOTES:

- ALL STRUCTURES SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. 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.

## PROPOSED SANITARY PIPES

| FROM (DNSTM)           | TO (UPSTM) | DWNSTRM E.I. | UPSTRM E.I. | PLAN LGTH (FT) | SLOPE (%) | PIPE SIZE | PVC TYPE | NOTES |
|------------------------|------------|--------------|-------------|----------------|-----------|-----------|----------|-------|
| <b>DEARHOLT AVE</b>    |            |              |             |                |           |           |          |       |
| EX SAS3461-010         | SAS#1      | 971.99       | 973.19      | 297            | 0.40%     | 12"       | SDR-35   |       |
| SAS#1                  | SAS#1A     | 973.24       | 973.35      | 28             | 0.40%     | 12"       | SDR-35   |       |
| SAS#1A                 | SAS#2      | 973.45       | 975.31      | 301            | 0.62%     | 12"       | SDR-35   |       |
| SAS#2                  | SAS#3      | 975.41       | 977.21      | 300            | 0.60%     | 12"       | C900     |       |
| SAS#2                  | SAS#2A     | 975.80       | 976.18      | 36             | 1.06%     | 8"        | C900     |       |
| SAS#3                  | SAS#4      | 977.31       | 977.60      | 48             | 0.60%     | 10"       | SDR-35   |       |
| SAS#4                  | SAS#5      | 977.70       | 978.66      | 160            | 0.60%     | 10"       | SDR-35   |       |
| SAS#5                  | SAS#6      | 978.76       | 980.04      | 195            | 0.66%     | 10"       | SDR-35   |       |
| <b>MILWARD RD</b>      |            |              |             |                |           |           |          |       |
| SAS#1                  | SAS#1B     | 973.69       | 973.96      | 26             | 1.05%     | 8"        | SDR-35   |       |
| SAS#1A                 | SAS#1C     | 973.45       | 973.64      | 48             | 0.40%     | 8"        | C900     |       |
| <b>CONEY WESTON PL</b> |            |              |             |                |           |           |          |       |
| SAS#3                  | SAS#3A     | 977.31       | 977.52      | 39             | 0.55%     | 10"       | SDR-35   |       |
| SAS#4                  | SAS#4A     | 977.70       | 979.23      | 99             | 1.54%     | 8"        | SDR-35   |       |

## SANITARY PIPE REMOVALS

| REMOVE FROM            | REMOVE TO   | LENGTH (FT) | PAID REM | PAID ABN W/SLURRY | SIZE | TYPE    | NOTES |
|------------------------|-------------|-------------|----------|-------------------|------|---------|-------|
| <b>DEARHOLT AVE</b>    |             |             |          |                   |      |         |       |
| SAS3461-010            | SAS3461-002 | 327         | 0        | 0                 | 10"  | VCP     |       |
| SAS3461-002            | SAS3461-001 | 300         | 0        | 0                 | 8"   | VCP     |       |
| SAS3461-001            | SAS3460-014 | 270         | 0        | 0                 | 8"   | VCP     |       |
| SAS3460-013            | SAS3460-007 | 313         | 0        | 116               | 8"   | VCP     |       |
| <b>MILWARD RD</b>      |             |             |          |                   |      |         |       |
| SAS3461-002            | SAS#1B      | 33          | 33       | 0                 | 8"   | CIP VCP |       |
| SAS3461-002            | SAS#1C      | 48          | 0        | 0                 | 8"   | VCP     |       |
| <b>FARIWAY DR</b>      |             |             |          |                   |      |         |       |
| SAS3461-001            | SAS#2A      | 36          | 0        | 0                 | 8"   | VCP     |       |
| <b>CONEY WESTON PL</b> |             |             |          |                   |      |         |       |
| SAS3460-014            | SAS3460-013 | 151         | 0        | 0                 | 8"   | VCP     |       |
| SAS3460-014            | SAS#3A      | 34          | 0        | 0                 | 8"   | VCP     |       |



# STORM SEWER SCHEDULE

\* REVISION 1- 8/13/2021 DAO

|                                     |           |
|-------------------------------------|-----------|
| DEARHOLT RD RESURFACING W/UTILITIES | SHEET NO. |
| PROJECT NO. 13282                   | U-6       |
| STORM SEWER SCHEDULE                |           |
| CITY OF MADISON                     |           |

## PROPOSED STORM STRUCTURES

| STRUC. NO.              | STATION   | LOCATION (OFFSET) | TYPE                     | TOP OF CASTING | E.I.   | DEPTH | NOTES                |
|-------------------------|-----------|-------------------|--------------------------|----------------|--------|-------|----------------------|
| <b>ODANA HILLS PARK</b> |           |                   |                          |                |        |       |                      |
| S-1                     | 300+10.41 | CL                | 38X60 HERCP AE (NO GATE) | -              | 975.33 | -     | (1)                  |
| <b>DEARHOLT RD</b>      |           |                   |                          |                |        |       |                      |
| HS-2                    | 108+45.37 | LT-15.73          | H INLET                  | 983.40         | 980.35 | 3.05  | FP; W/3067-7004-V    |
| HS-3                    | 109+01.30 | LT-33.49          | H INLET                  | 984.03         | 980.81 | 3.22  | FP; W/3067-7004-V    |
| HS-4                    | 111+30.79 | LT-19.11          | H INLET                  | 985.14         | 981.36 | 3.78  | FP; W/3067-7004-V    |
| S-2                     | 105+60.38 | LT-7.15           | 6X6 SAS                  | 982.24         | 976.38 | 5.86  | FP; W/1550-0054      |
| T-1                     | 105+62.26 | LT-20.84          | TAP                      | -              | 977.87 | -     |                      |
| S-3                     | 105+69.00 | LT-10.49          | TERRACE INLET TYPE 2     | 981.08         | 976.38 | 4.70  | LP; FP; (2)          |
| S-4                     | 106+30.97 | LT-5.34           | 5X5 SAS                  | 982.05         | 976.72 | 5.33  | FP; W/1550-0054      |
| S-4A                    | 106+45.07 | RT-38.33          | TERRACE INLET TYPE 3     | 981.19         | 977.92 | 3.27  | LP; FP; (2)          |
| S-5                     | 108+45.87 | LT-6.35           | 5X5 SAS                  | 983.45         | 978.16 | 5.29  | FP; W/1550-0054      |
| S-6                     | 111+31.08 | LT-8.92           | 6X6 SAS                  | 985.19         | 979.66 | 5.53  | FP; W/1550-0054      |
| S-6A                    | 111+48.85 | RT-30.78          | H INLET                  | 984.95         | 981.75 | 3.20  | W/3067-7004-V        |
| S-7                     | 112+84.08 | RT-18.72          | 6X6 SAS                  | 988.01         | 982.00 | 6.01  | FP; W/1550-0054      |
| S-8                     | 113+29.24 | RT-15.25          | 5X5 SAS                  | 987.82         | 982.33 | 5.49  | W/3067-7004-V        |
| S-9                     | 113+67.23 | RT-15.07          | 5X5 SAS                  | 988.12         | 982.99 | 5.13  | W/3067-7004-V        |
| S-10                    | 115+15.28 | RT-7.93           | 5X5 SAS                  | 989.60         | 983.78 | 5.82  | W/1550-0054          |
| T-3                     | 115+15.42 | LT-21.66          | TAP                      | -              | 985.26 | -     |                      |
| S-10A                   | 115+16.39 | RT-15.95          | H INLET                  | 989.88         | 985.94 | 3.94  | W/3067-7004-V        |
| S-10B                   | 115+15.74 | LT-16.05          | H INLET                  | 989.54         | 985.22 | 4.32  | W/3067-7004-V        |
| * S-11                  | 116+03.09 | RT-8.98           | 5X5 SAS                  | 989.41         | 985.35 | 4.06  | FP; W/1550-0054; (3) |
| T-4                     | 116+03.09 | RT-8.98           | COLLAR                   | -              | -      | -     | (4)                  |
| <b>MILWARD DR</b>       |           |                   |                          |                |        |       |                      |
| HS-1                    | 300+92.86 | LT-15.54          | H INLET                  | 981.32         | 978.49 | 2.83  | FP; W/3067-7004-V    |
| S-3A                    | 301+39.77 | RT-14.60          | H INLET                  | 981.68         | 978.33 | 3.35  | W/3067-7004-V        |
| S-3B                    | 302+13.26 | CL                | 3X3 SAS                  | 981.91         | 978.71 | 3.20  | W/1550-0054          |
| S-3C                    | 302+17.55 | RT-15.43          | H INLET                  | 982.30         | 979.04 | 3.26  | W/3067-7004-V        |
| S-3D                    | 302+17.07 | LT-15.79          | H INLET                  | 982.32         | 979.04 | 3.28  | W/3067-7004-V        |
| <b>CONEY WESTON PL</b>  |           |                   |                          |                |        |       |                      |
| HS-5                    | 202+64.71 | RT-17.87          | H INLET                  | 985.66         | 981.67 | 3.99  | FP; W/3067-7004-V    |
| S-7A                    | 204+36.89 | LT-27.73          | H INLET                  | 988.43         | 984.85 | 3.58  | W/3067-7004-V        |
| S-7B                    | 204+37.22 | RT-15.45          | H INLET                  | 988.63         | 985.42 | 3.21  | W/3067-7004-V        |
| S-7C                    | 204+44.12 | LT-24.13          | H INLET                  | 988.70         | 985.24 | 3.46  | W/3067-7004-V        |
| T-2                     | 111+74.37 | LT-34.78          | TAP                      | -              | 981.37 | -     | (5); ADJ CASTING     |
| S-12                    | 202+88.89 | LT-21.23          | TERRACE INLET TYPE 2     | 985.36         | 981.46 | 3.90  | LP; FP; (2)          |

## 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 |
|-------------------------|--------------|------------|-------------|------------|----------------------|----------------|-----------|-----------|---------|-------|
| <b>ODANA HILLS PARK</b> |              |            |             |            |                      |                |           |           |         |       |
| P-1                     | S-1          | S-2        | 975.33      | 976.38     | 447                  | 444            | 0.23%     | 38" X 60" | HERCP   | (6)   |
| <b>DEARHOLT RD</b>      |              |            |             |            |                      |                |           |           |         |       |
| P-1A                    | S-2          | T-1        | 977.56      | 977.87     | 14                   | 10             | 2.24%     | 24"       | TYPE II |       |
| P-2                     | S-2          | S-3        | 976.38      | 976.38     | 9                    | 5              | 0.00%     | 38" X 60" | HERCP   |       |
| P-3                     | S-3          | S-4        | 976.38      | 976.72     | 62                   | 58             | 0.55%     | 38" X 60" | HERCP   |       |
| P-3A                    | S-4          | S-4A       | 977.68      | 977.92     | 46                   | 41             | 0.52%     | 15"       | TYPE I  | NCM   |
| P-4                     | S-4          | S-5        | 976.82      | 978.16     | 215                  | 210            | 0.62%     | 38" X 60" | HERCP   |       |
| P-5                     | S-5          | S-6        | 978.26      | 979.66     | 287                  | 281            | 0.49%     | 38" X 60" | HERCP   |       |
| P-5A                    | S-6          | S-6A       | 981.52      | 981.75     | 43                   | 38             | 0.53%     | 12"       | TYPE II | NCM   |
| P-6                     | S-6          | S-7        | 980.41      | 982.00     | 157                  | 151            | 1.01%     | 29" X 45" | HERCP   |       |
| P-7                     | S-7          | S-8        | 982.10      | 982.33     | 47                   | 41             | 0.50%     | 29" X 45" | HERCP   |       |
| P-8                     | S-8          | S-9        | 982.43      | 982.99     | 41                   | 36             | 1.37%     | 29" X 45" | HERCP   |       |
| P-9                     | S-9          | S-10       | 983.09      | 983.78     | 152                  | 148            | 0.45%     | 29" X 45" | HERCP   |       |
| P-9A                    | S-10         | S-10A      | 985.20      | 985.94     | 8                    | 5              | 9.14%     | 12"       | TYPE II | NCM   |
| P-9B                    | S-10         | S-10B      | 984.70      | 985.22     | 24                   | 21             | 2.17%     | 18"       | TYPE II | NCM   |
| P-9C                    | S-10B        | T-3        | 985.22      | 985.26     | 6                    | 5              | 0.75%     | 18"       | TYPE II |       |
| * P-10                  | S-10         | S-11       | 985.00      | 985.35     | 88                   | 84             | 0.40%     | 29" X 45" | HERCP   |       |
| <b>MILWARD DR</b>       |              |            |             |            |                      |                |           |           |         |       |
| P-2A                    | S-3          | S-3A       | 977.67      | 978.33     | 26                   | 22             | 2.53%     | 15"       | TYPE II | NCM   |
| P-2B                    | S-3A         | S-3B       | 978.33      | 978.71     | 76                   | 73             | 0.50%     | 15"       | TYPE II |       |
| P-2C                    | S-3B         | S-3C       | 978.96      | 979.04     | 16                   | 13             | 0.50%     | 12"       | TYPE II |       |
| P-2D                    | S-3B         | S-3D       | 978.96      | 979.04     | 16                   | 14             | 0.50%     | 12"       | TYPE II |       |
| <b>CONEY WESTON PL</b>  |              |            |             |            |                      |                |           |           |         |       |
| P-6A                    | S-7          | S-7A       | 983.42      | 984.85     | 21                   | 17             | 6.79%     | 15"       | TYPE II | NCM   |
| P-6B                    | S-7A         | S-7B       | 985.10      | 985.42     | 43                   | 41             | 0.75%     | 12"       | TYPE II |       |
| P-6C                    | S-7A         | S-7C       | 985.10      | 985.24     | 8                    | 5              | 1.75%     | 12"       | TYPE II |       |
| P-12                    | T-2          | S-12       | 981.37      | 981.46     | 14                   | 13             | 0.65%     | 15"       | TYPE II |       |

### SPECIFIC NOTES:

- (1) INSTALL CUTOFF WALL, GEOTEXTILE FABRIC & RIPRAP w/TYPE B SLURRY IN ACCORDANCE WITH S.D.D. 5.4.4; CUTOFF WALL MAY BE PRECAST
- (2) RIM ELEVATION AT CENTER OF GRATE GIVEN IN CHART
- (3) PROVIDE OPENING FOR 29"X45" HERCP ON NORTH SIDE (EI=984.42); CORE & CAP, OPENING W/PLATE COVER, OR PARTIAL WALL FORM IS ACCEPTABLE
- (4) CONNECT EX 18" RCP W/ COLLAR TO S-11; PAID AS INCIDENTAL TO S-11
- (5) ADJ EX AS3460-024 CASTING; EX RIM = 985.65, PROP RIM = 985.76, ADJUSTMENT = 0.11'
- (6) INSTALL CONCRETE SUPPORTS FOR 18" SANITARY MAIN

### STANDARD NOTES:

- 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.
- 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.
- 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 FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.

- 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.

# STORM SEWER SCHEDULE

\* REVISION 1- 8/13/2021 DAO

|                                     |           |
|-------------------------------------|-----------|
| DEARHOLT RD RESURFACING W/UTILITIES | SHEET NO. |
| PROJECT NO. 13282                   | U-7       |
| STORM SEWER SCHEDULE                |           |
| CITY OF MADISON                     |           |

## STORM STRUCTURE REMOVALS

| STRUC. NO.             | ID NO.     | STATION   | LOCATION (OFFSET) | TYPE    | NOTES |
|------------------------|------------|-----------|-------------------|---------|-------|
| <b>DEARHOLT RD</b>     |            |           |                   |         |       |
| RS-3                   | AS3461-013 | 106+33.96 | RT-33.04          | 3X3 SAS |       |
| RS-4                   | IN3461-015 | 106+40.90 | RT-38.33          | INLET   |       |
| RS-5                   | IN3461-014 | 106+43.56 | RT-34.27          | INLET   |       |
| RS-6                   | IN3461-022 | 108+45.59 | LT-15.88          | INLET   |       |
| RS-7                   | IN3461-021 | 109+01.37 | LT-33.33          | INLET   |       |
| RS-8                   | IN3460-029 | 111+48.74 | RT-30.64          | INLET   |       |
| RS-9                   | IN3460-030 | 111+30.88 | LT-18.94          | INLET   |       |
| RS-14                  | AS3460-023 | 113+11.14 | RT-30.05          | 5X7 CB  |       |
| RS-15                  | IN3460-032 | 112+90.94 | RT-43.15          | INLET   | (1)   |
| RS-16                  | IN3460-031 | 113+17.16 | RT-15.60          | INLET   |       |
| RS-17                  | IN3460-009 | 115+16.51 | RT-15.93          | INLET   |       |
| RS-18                  | IN3460-010 | 115+15.76 | LT-16.08          | INLET   |       |
| <b>MILWARD DR</b>      |            |           |                   |         |       |
| RS-1                   | IN3461-012 | 301+15.77 | RT-14.78          | INLET   |       |
| RS-2                   | IN UNK     | 300+92.95 | LT-15.66          | INLET   |       |
| <b>CONEY WESTON PL</b> |            |           |                   |         |       |
| RS-10                  | IN3460-025 | 202+64.75 | RT-17.89          | INLET   |       |
| RS-11                  | IN3460-028 | 202+93.97 | LT-18.01          | INLET   |       |
| RS-12                  | IN3460-027 | 202+89.64 | LT-17.43          | INLET   |       |
| RS-13                  | IN3460-026 | 202+82.94 | LT-16.71          | INLET   |       |

## STORM PIPE REMOVALS

| PIPE REMOVAL NO.       | REMOVE FROM | REMOVE TO  | LENGTH (FT) | PAID REM (FT) | PAID ABN W/SLURRY (FT) | SIZE | TYPE | NOTES |
|------------------------|-------------|------------|-------------|---------------|------------------------|------|------|-------|
| <b>DEARHOLT RD</b>     |             |            |             |               |                        |      |      |       |
| RP-1                   | AE3461-016  | AS3461-008 | 458         | 0             | 0                      | 24"  | RCP  |       |
| RP-5                   | AS3460-022  | RS-8       | 59          | 0             | 0                      | 12"  | RCP  |       |
| RP-6                   | AS3460-022  | RS-14      | 201         | 106           | 30                     | 24"  | RCP  |       |
| RP-10                  | RS-14       | RS-15      | 24          | 0             | 24                     | 12"  | RCP  |       |
| RP-11                  | RS-14       | RS-16      | 16          | 16            | 0                      | 12"  | RCP  |       |
| RP-12                  | RS-14       | AS3460-008 | 212         | 61            | 151                    | 18"  | RCP  |       |
| RP-13                  | AS3460-008  | RS-17      | 38          | 0             | 0                      | 12"  | RCP  |       |
| RP-14                  | AS3460-008  | RS-18      | 6           | 0             | 0                      | 12"  | RCP  |       |
| RP-15                  | AS3460-007  | AS3460-003 | 56          | 0             | 37                     | 18"  | RCP  |       |
| <b>MILWARD DR</b>      |             |            |             |               |                        |      |      |       |
| RP-2                   | AS3461-008  | RS-3       | 90          | 0             | 0                      | 15"  | RCP  |       |
| RP-3                   | RS-3        | RS-4       | 9           | 0             | 0                      | 12"  | VCP  |       |
| RP-4                   | RS-3        | RS-5       | 10          | 0             | 0                      | 12"  | RCP  |       |
| <b>CONEY WESTON PL</b> |             |            |             |               |                        |      |      |       |
| RP-7                   | AS3460-024  | RS-11      | 12          | 0             | 0                      | 12"  | RCP  |       |
| RP-8                   | AS3460-024  | RS-12      | 11          | 0             | 0                      | 12"  | RCP  |       |
| RP-9                   | AS3460-024  | RS-13      | 12          | 0             | 0                      | 12"  | RCP  |       |

## ULO SCHEDULE

| ID NO.             | STATION (OFFSET) | LOCATION | TYPE                        | TOP ELEV (FT) | NOTES                                                     |
|--------------------|------------------|----------|-----------------------------|---------------|-----------------------------------------------------------|
| <b>MILWARD DR</b>  |                  |          |                             |               |                                                           |
| * ULO1             | 301+16.70        | RT-13.32 | 6" WAT                      | 976.49        | NEEDS TO BE LOWERED 18"                                   |
| * ULO2             | 301+37.59        | RT-14.87 | 6" WAT                      | 977.23        | NEEDS TO BE LOWERED 18" (10" OF CLEARANCE AS PROPOSED)    |
| * ULO12            | 302+17.13        | LT-15.00 | 6" WAT                      | 977.34        | OK; STRUCTURE BASE AT 978.73                              |
| <b>DEARHOLT RD</b> |                  |          |                             |               |                                                           |
| * ULO3             | 106+06.08        | LT-8.70  | GAS                         |               | NOT FOUND                                                 |
| * ULO4             | 108+36.60        | RT-10.82 | 6" WAT                      | 977.09        | NEEDS TO BE LOWERED 18" (6" OF CLEARANCE AS PROPOSED)     |
| * ULO5             | 108+74.28        | LT-7.96  | 6" WAT                      | 978.79        | NEEDS TO BE LOWERED 18" (4" OF CLEARANCE AS PROPOSED)     |
| * ULO6             | 111+48.36        | RT-2.26  | 6" WAT                      | 979.86        | NEEDS TO BE LOWERED 18" (5" OF CLEARANCE AS PROPOSED)     |
| * ULO7             | 111+78.24        | RT-13.89 | GAS                         | 981.62        | LOWER GAS; PROP PIPE ~LOWER OD = 890.60                   |
| * ULO8             | 115+32.30        | RT-8.12  | GAS                         | 984.88        | NEEDS TO BE LOWERED (~BOT OD = 984.69)                    |
| * ULO9             | 115+34.02        | RT-25.32 | ATC 69KV HPFF CABLE & FIBER |               | TOP = 984.36, BOT = 981.81<br>OK; ~ BOT OD = 984.73       |
| * ULO10            | 115+91.69        | RT-8.84  | GAS                         | 987.58        | NEEDS TO BE ADJUSTED (~TOP OD = 988.09, ~BOT OD = 984.92) |
| * ULO11            | 113+22.99        | RT-15.47 | GAS                         | 984.99        | NEEDS TO BE LOWERED (~BOT OD = 982.01, ~TOP OD = 985.01)  |
| * ULO13            | 112+39.64        | RT-13.48 | 6" WAT                      | 980.38        | NEEDS TO BE LOWERED 12" (9" OF CLEARANCE AS PROPOSED)     |
| * ULO14            | 115+23.85        | LT-2.69  | LUMEN                       | 985.94        | NO CONFLICT W/SANITARY                                    |
| * ULO15            | 115+24.40        | RT-7.90  | LUMEN                       | 986.11        | NEEDS TO BE ADJUSTED (~BOT OD = 984.66, ~TOP OD = 987.82) |

## SPECIFIC NOTES:

(1) EX INLET MAY BE ABANDONED IF REMOVAL IS DETRIMENTAL TO TERRACE TREE, CONFIRM WITH INSPECTOR/FORESTRY

## STANDARD NOTES:

-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.

- 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.

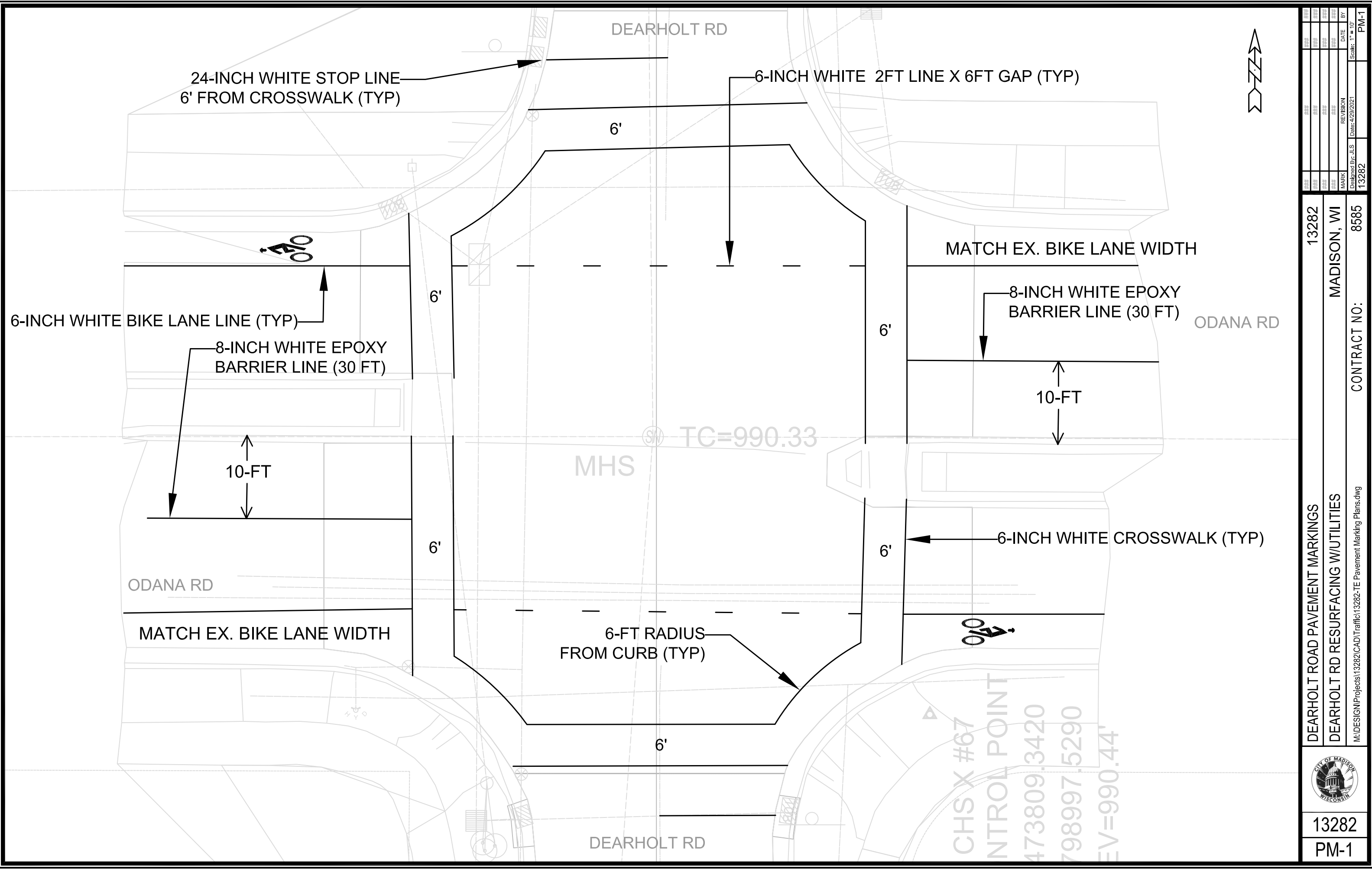
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.

- 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 FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.

- 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.



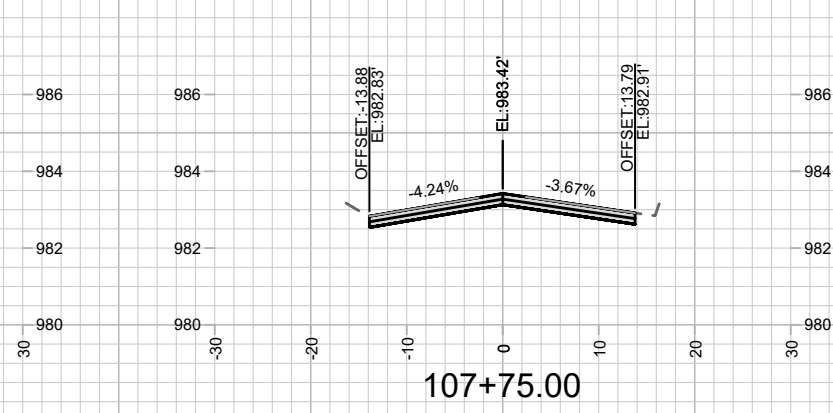
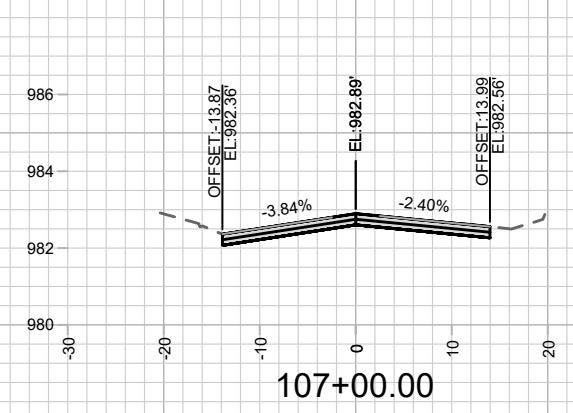
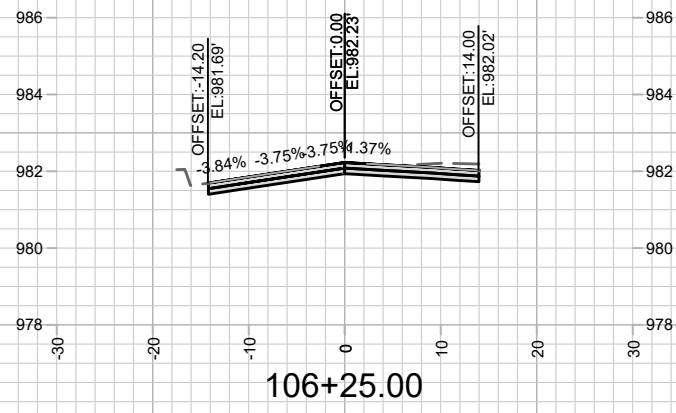
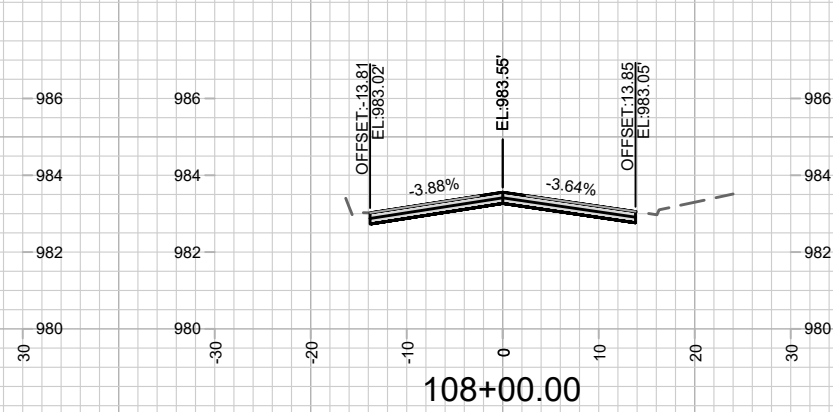
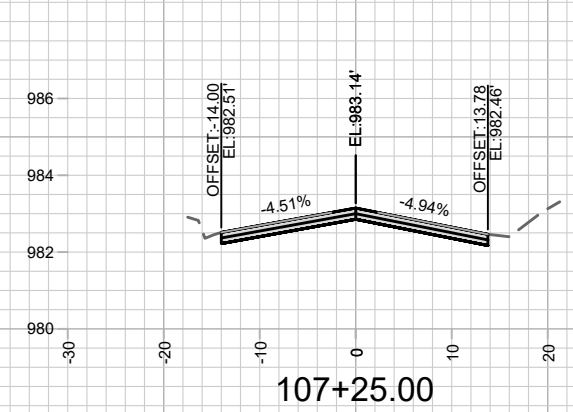
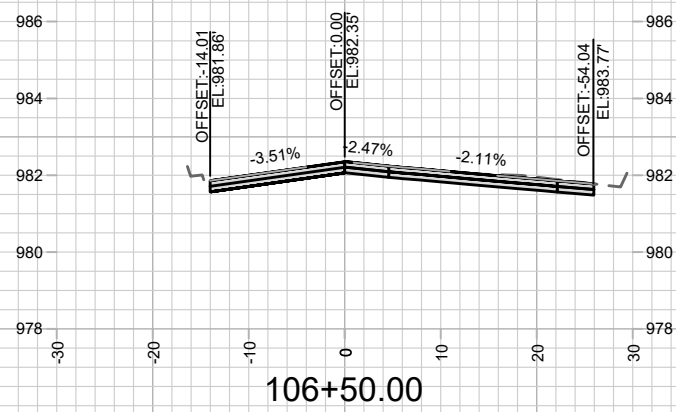
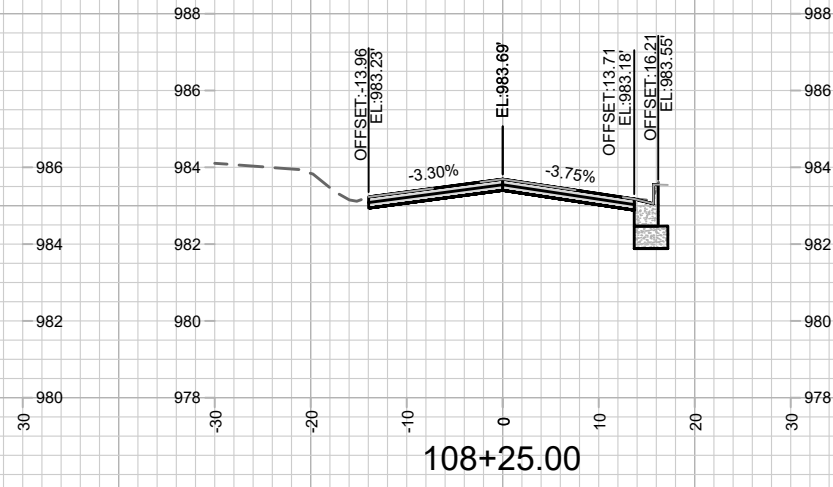
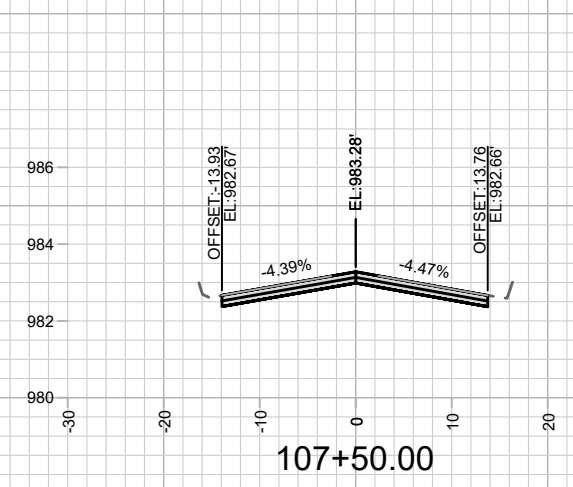
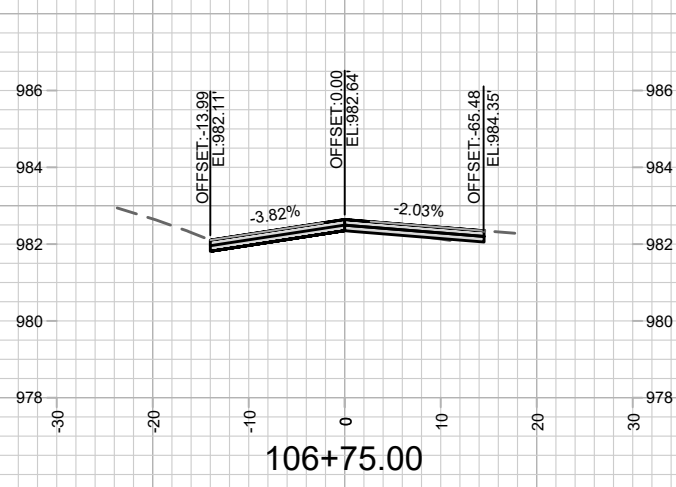
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DEARHOLT ROAD PAVEMENT MARKINGS  
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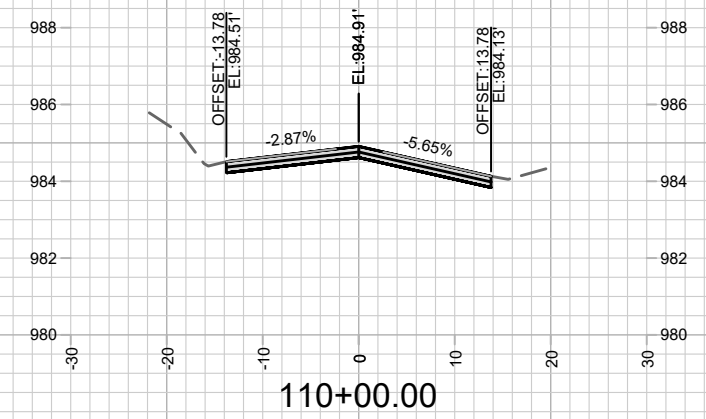
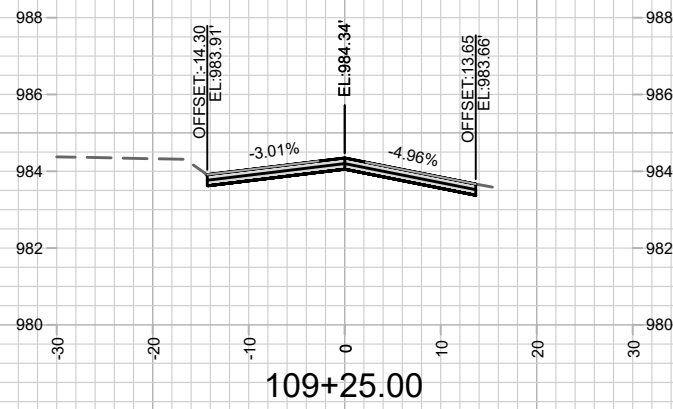
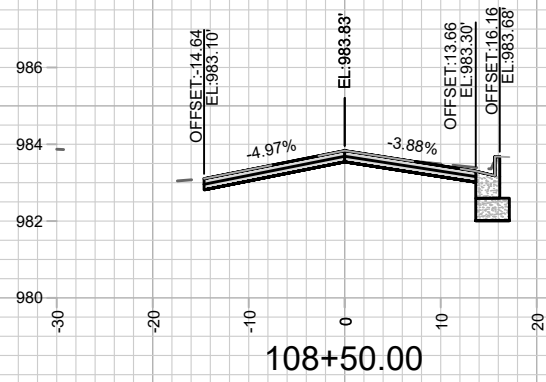
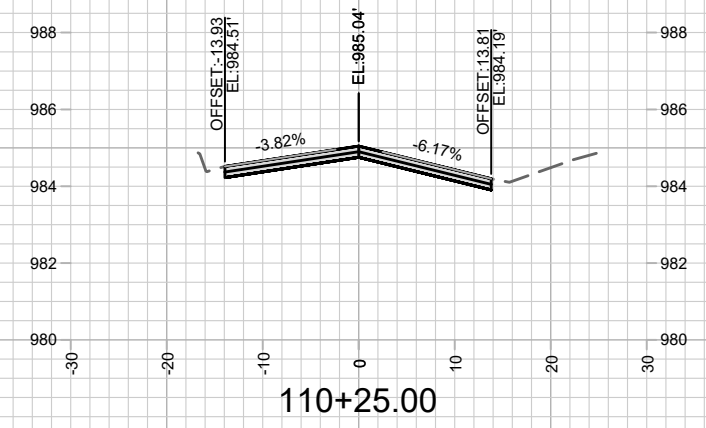
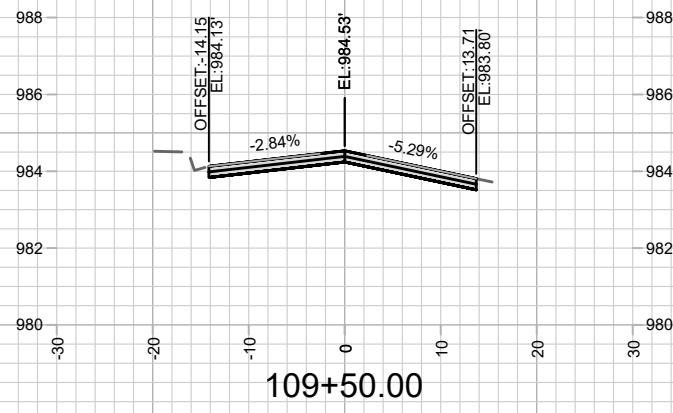
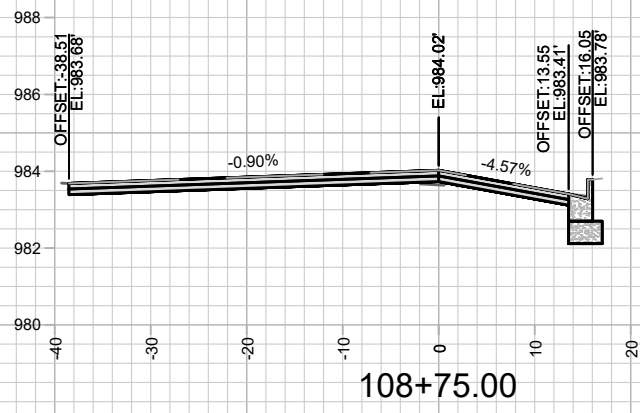
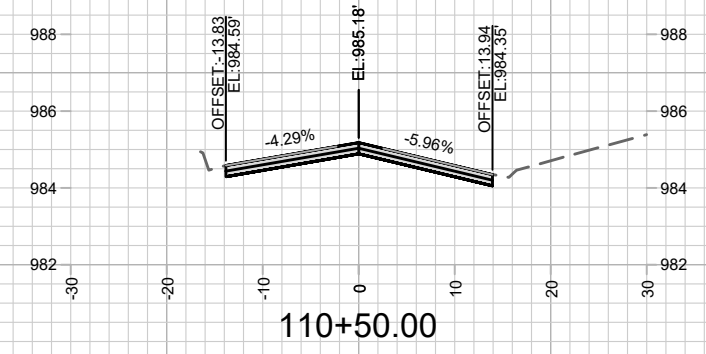
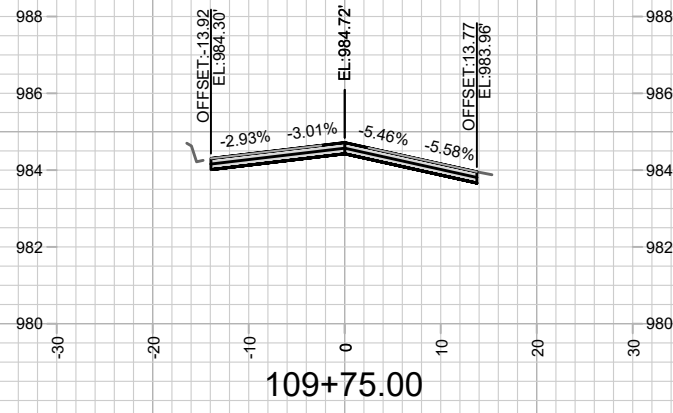
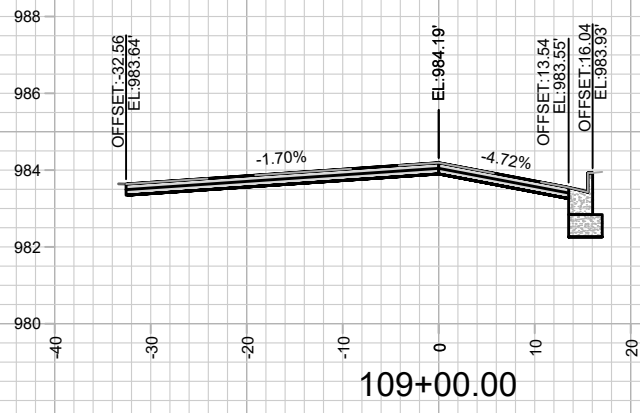
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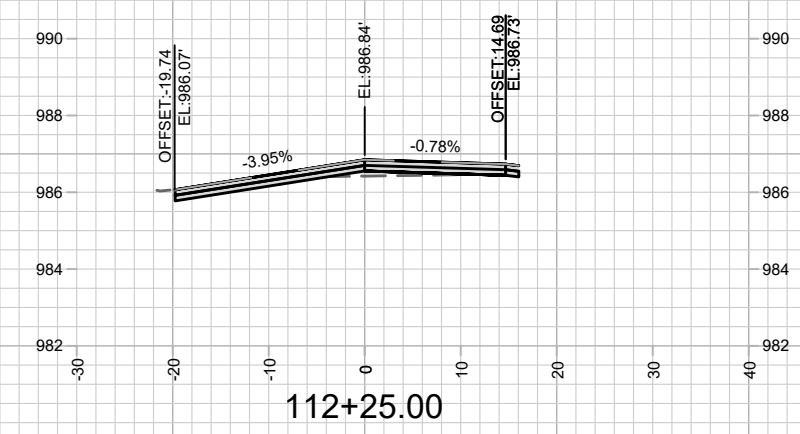
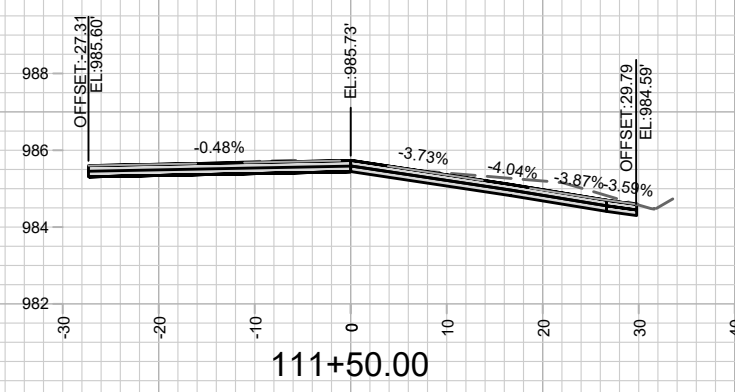
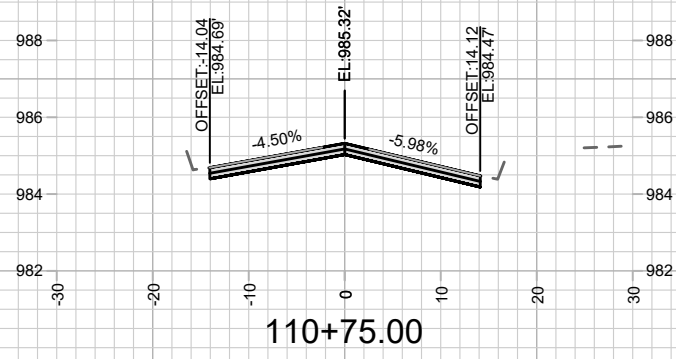
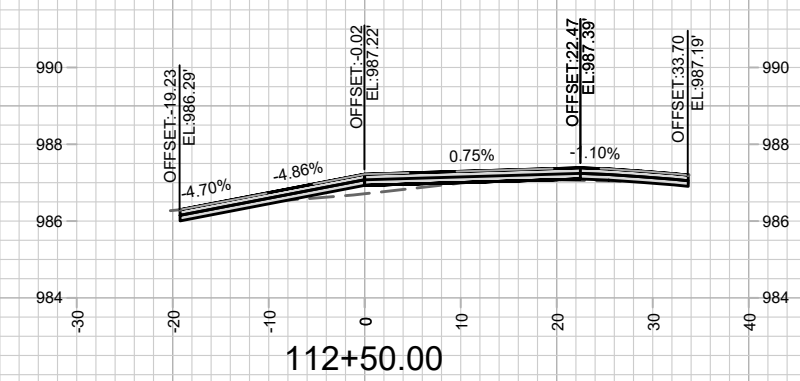
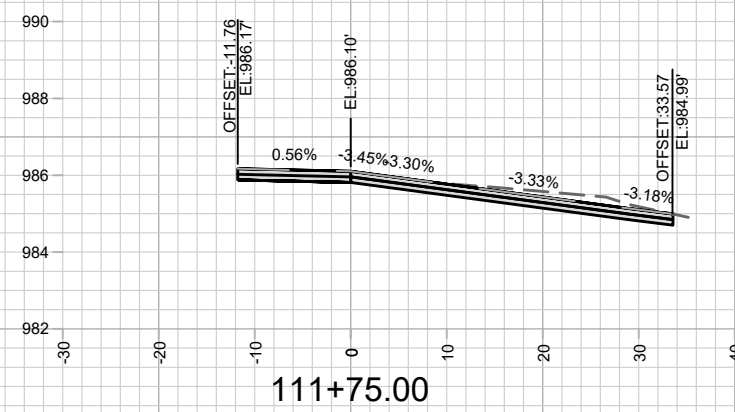
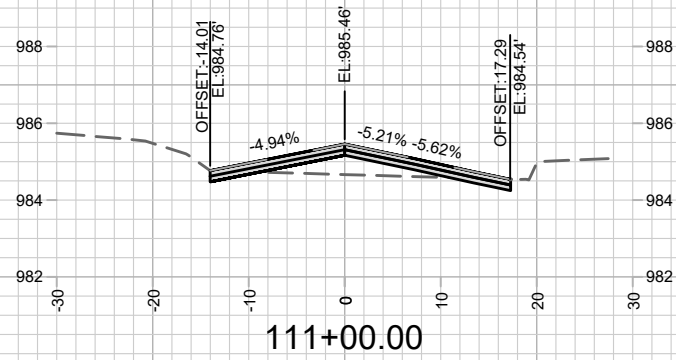
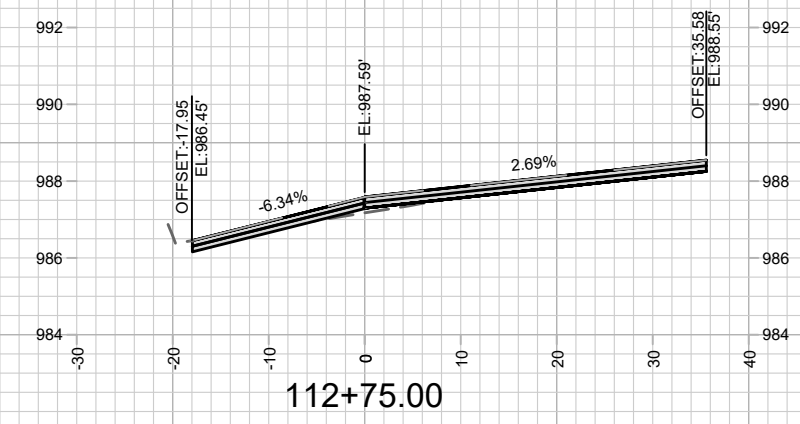
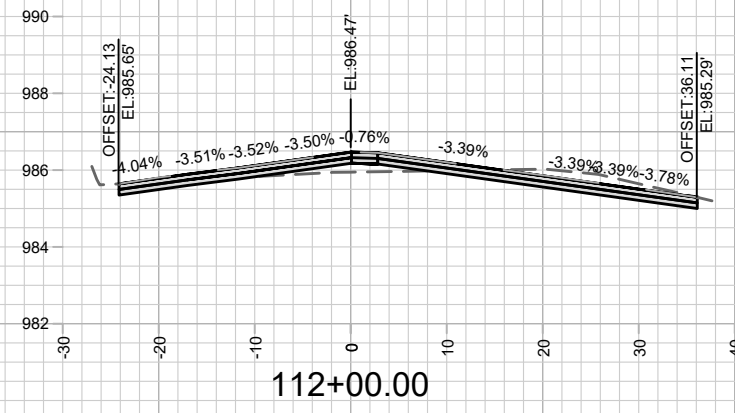
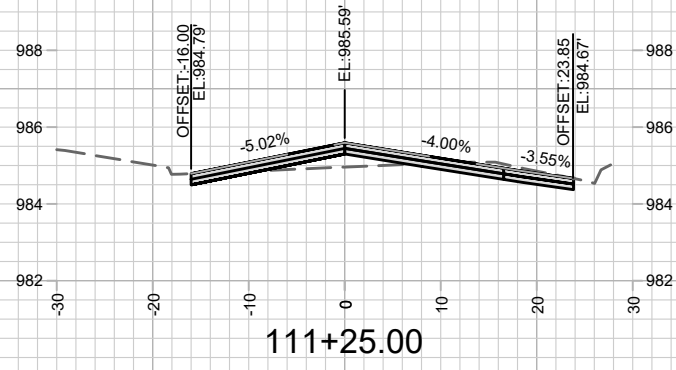
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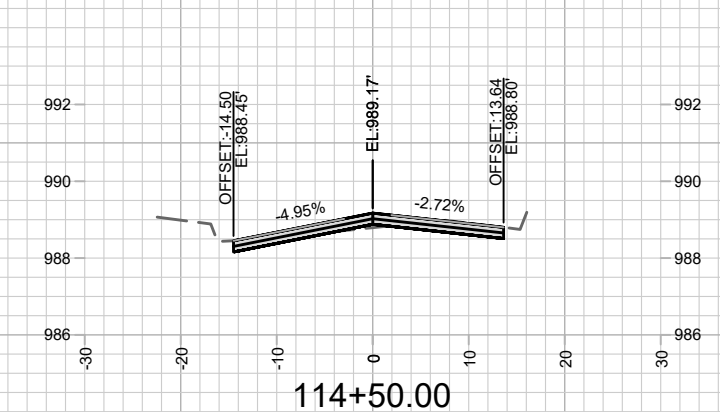
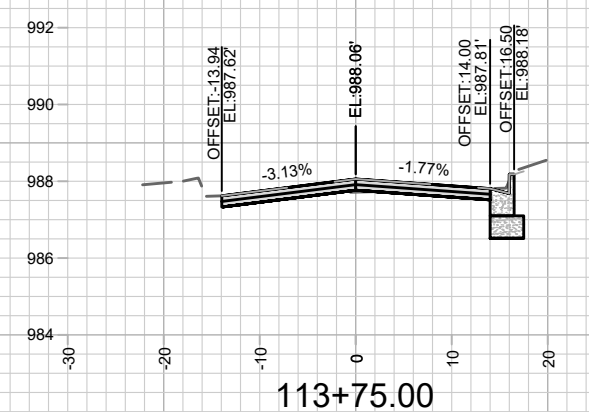
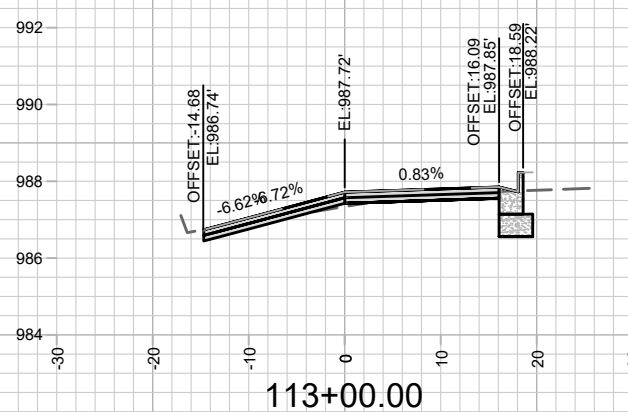
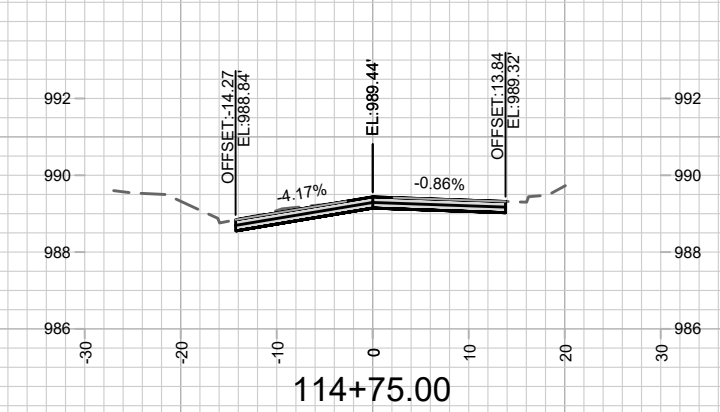
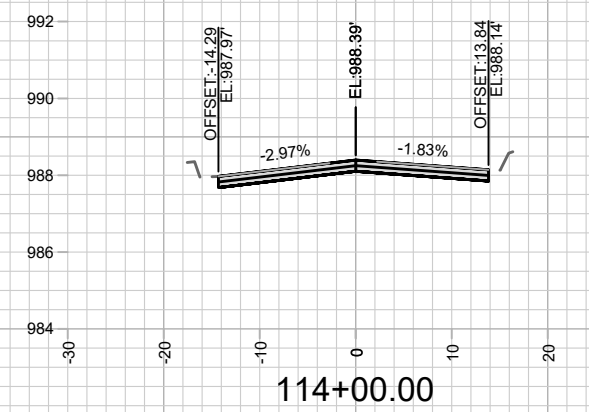
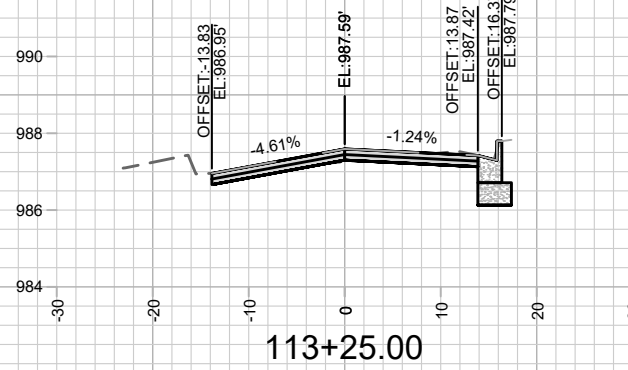
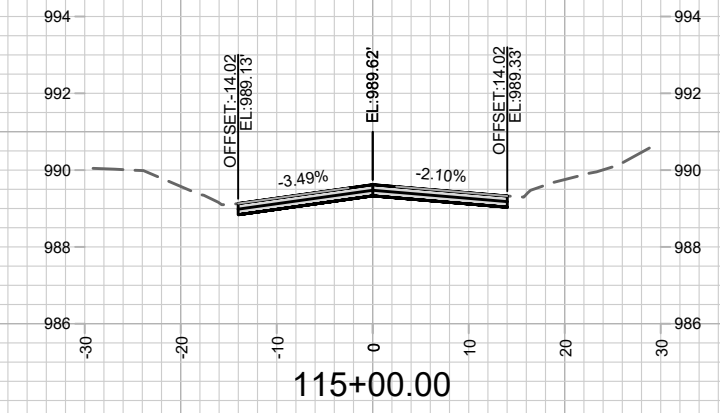
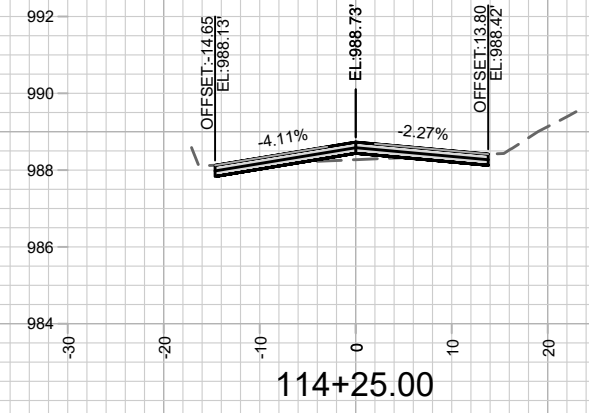
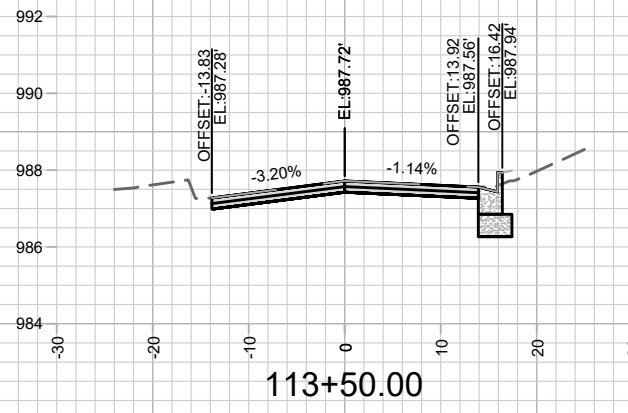
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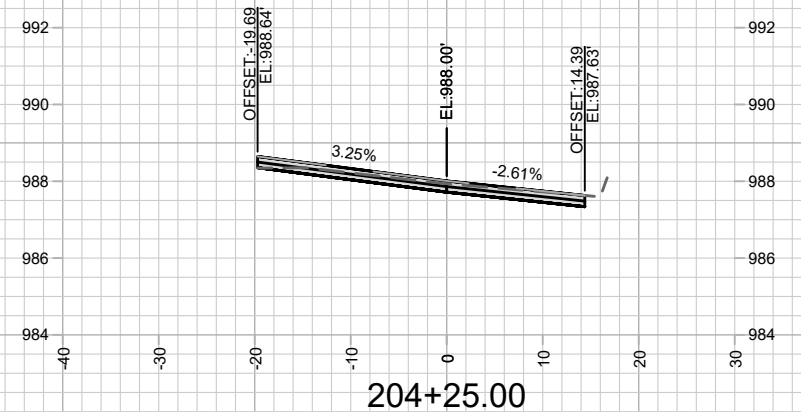
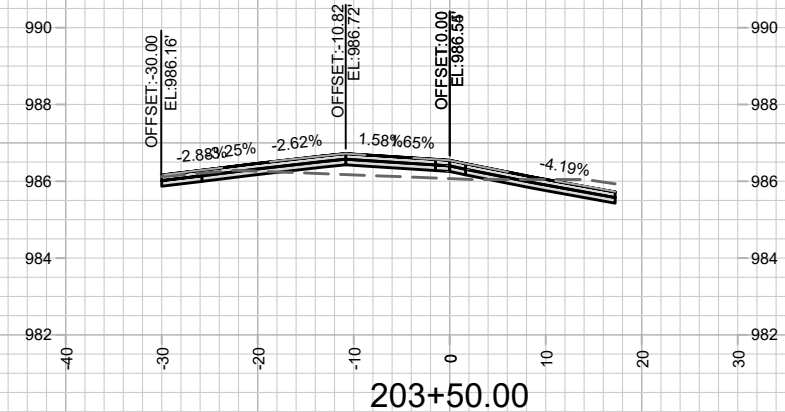
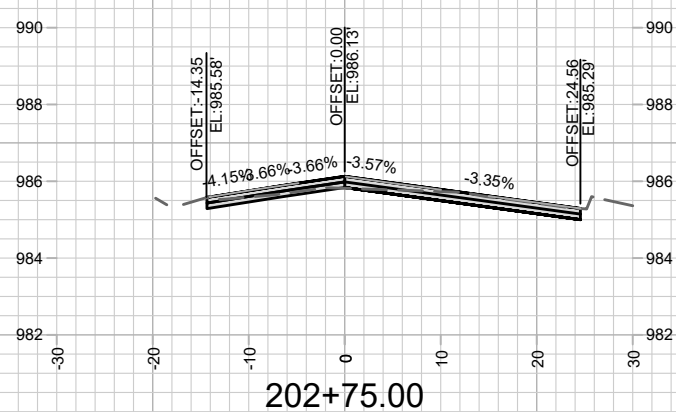
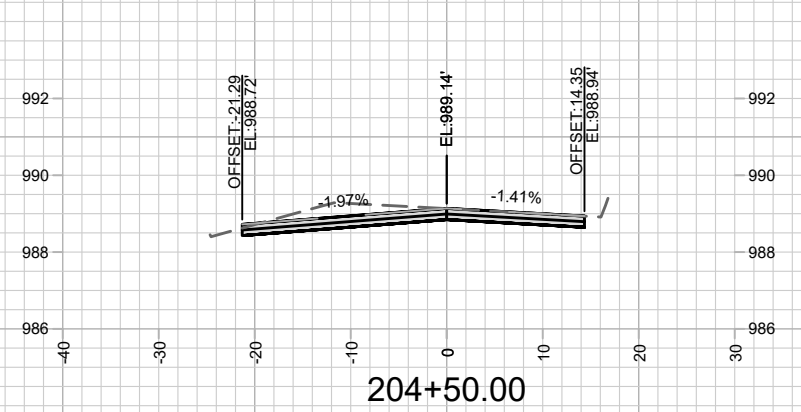
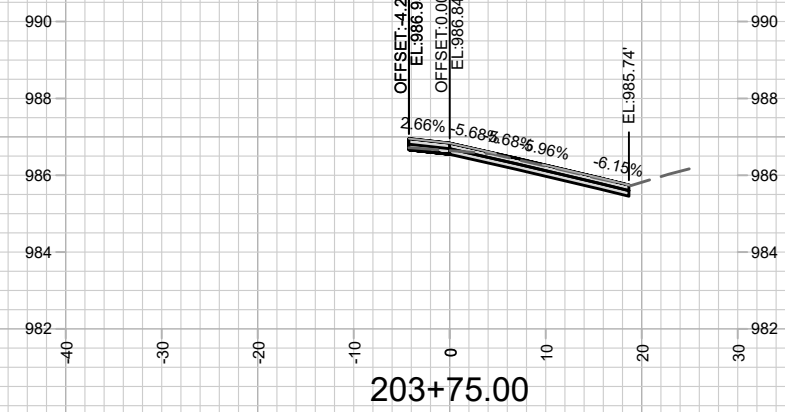
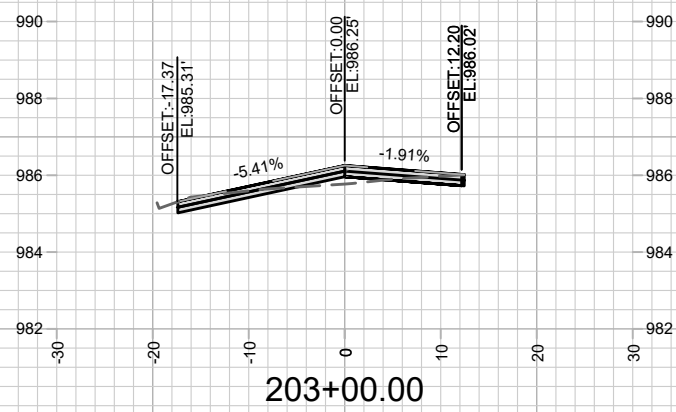
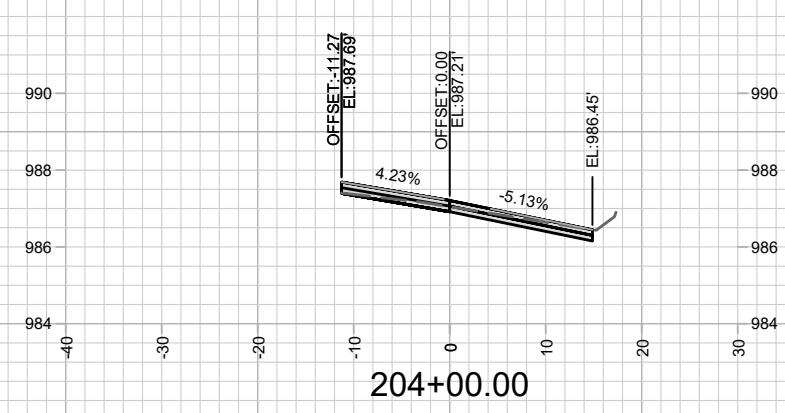
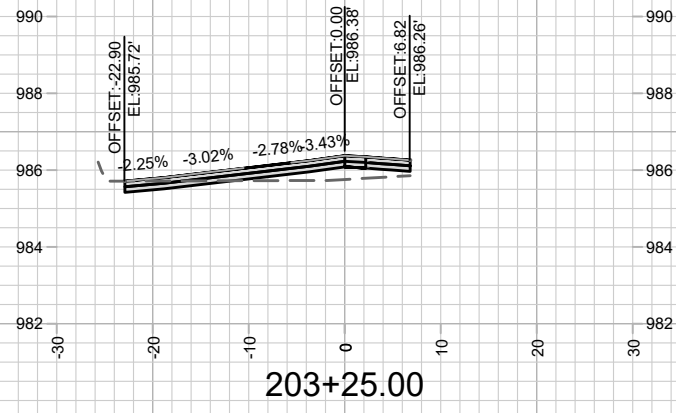


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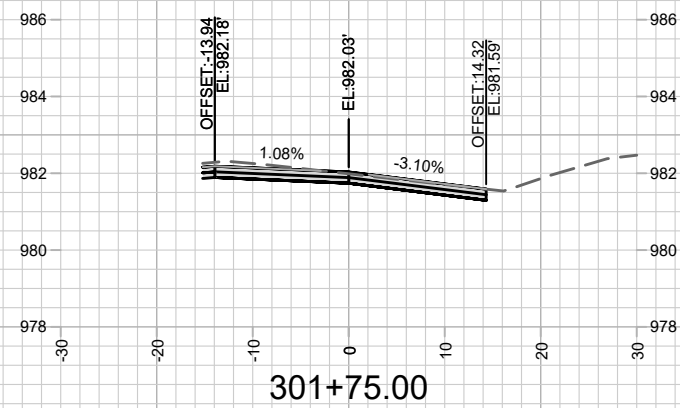
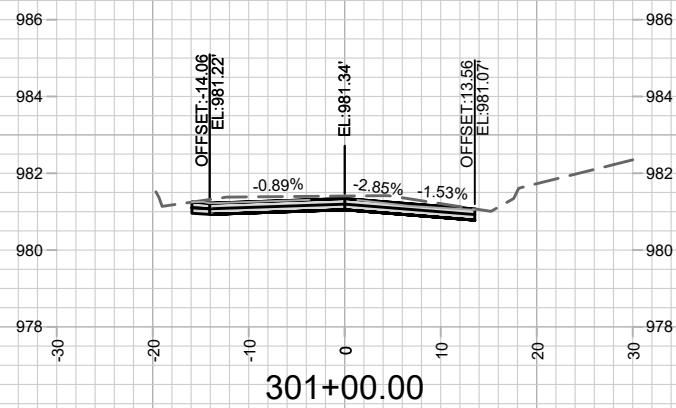
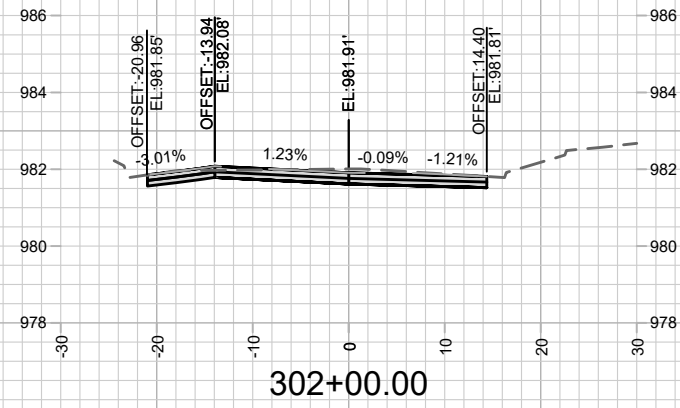
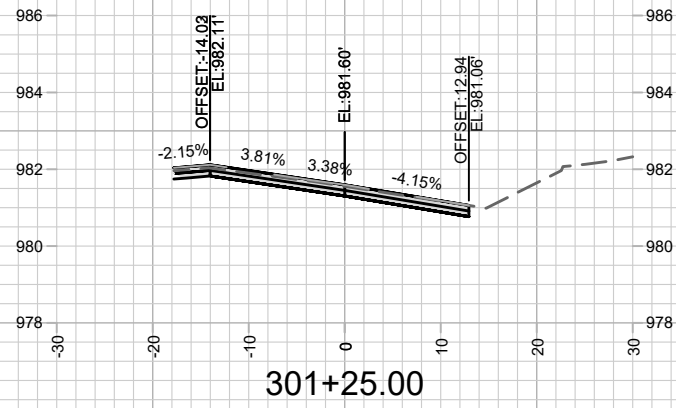
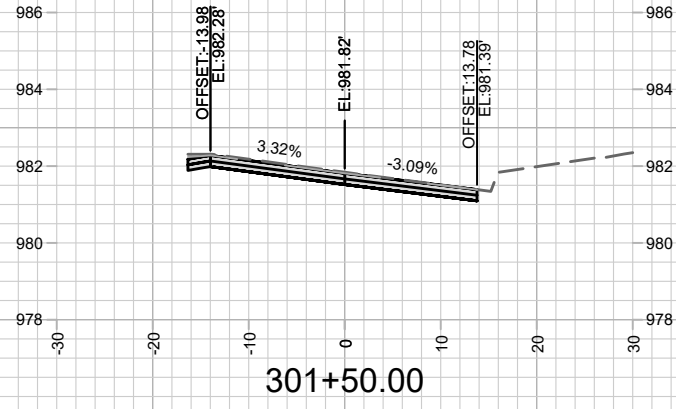
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CONTRACT NO:

MILWARD DRIVE CROSS SECTIONS  
DEARHOLT RD RESURFACING W/UTILITIES  
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