



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

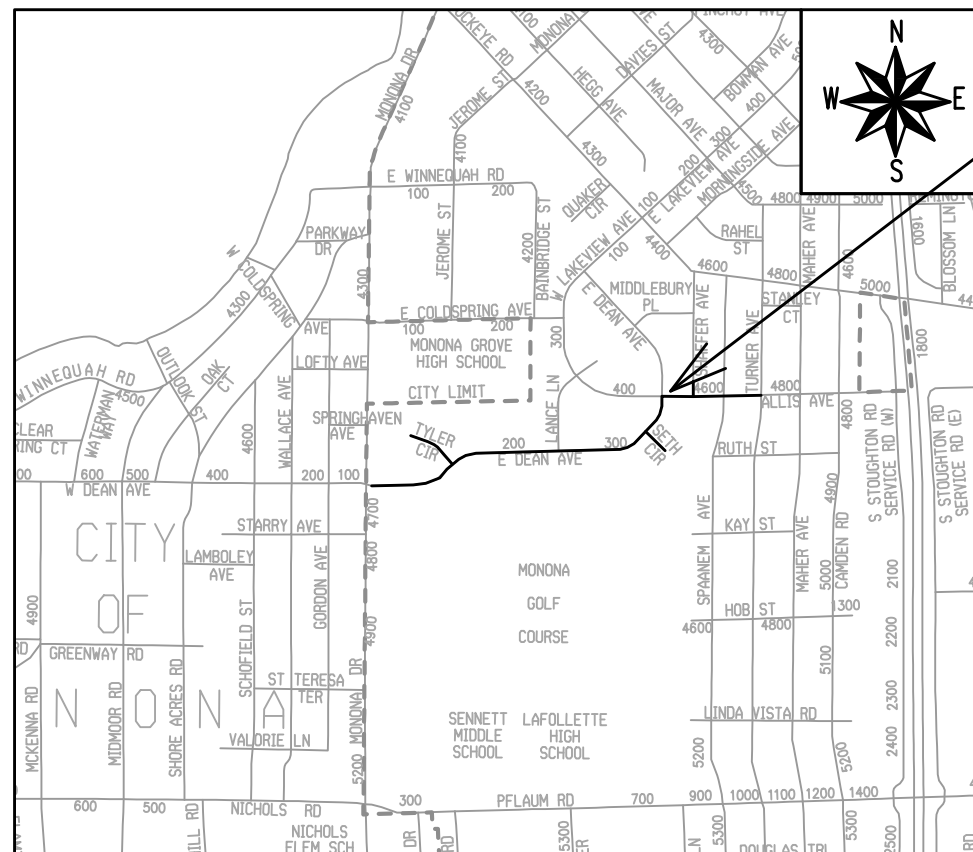
# PLAN OF PROPOSED IMPROVEMENT

**INDEX OF SHEETS**

SHEET NO.	TITLE
SHEET NO. 1	TITLE
SHEET NO. D1-D3	TYPICAL SECTIONS & DETAILS
SHEET NO. RG1-RG5	RAIN GARDEN DETAILS
SHEET NO. EC1-EC15	EROSION CONTROL PLANS
SHEET NO. P1-P11	STREET PLAN & PROFILES
SHEET NO. U1-U15	SEWERS PLAN & PROFILES
SHEET NO. U16-U19	SEWERS SCHEDULES
SHEET NO. W1-W10	WATER PLAN & PROFILES
SHEET NO. W11-W13	WATER IMPACT PLANS & MATERIALS
SHEET NO. M1-M6	PAVEMENT MARKING PLANS
SHEET NO. X1-X35	CROSS SECTIONS

## E. DEAN AVENUE, ALLIS AVENUE, SETH CIRCLE AND TYLER CIRCLE ASSESSMENT DISTRICT - 2021

CITY PROJECT NO. 11432  
CONTRACT NO. 7838



### PROJECT LOCATION

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%.

**EARTHWORK SUMMARY:**  
EXCAVATION CUT (MEASURED PLAN QUANTITY) = 11,770 C.Y.  
ESTIMATED UNDISTRIBUTED UNDERCUT = 1,650 C.Y.  
TOTAL UNCLASSIFIED EXCAVATION CUT = 13,420 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE: MARCH 2, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

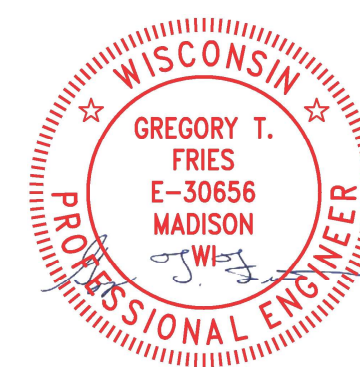
*W. Greg Fries* Apr 15, 2021  
City Engineer Date

STREET DESIGNED BY:



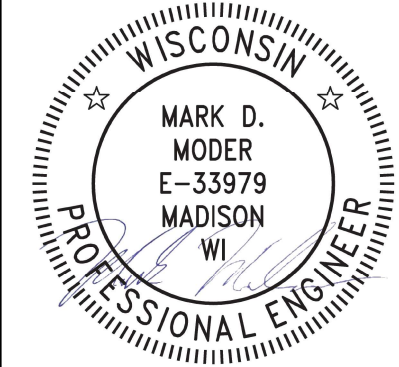
Apr 15, 2021

STORM SEWER DESIGNED BY:



Apr 15, 2021

SANITARY SEWER DESIGNED BY:



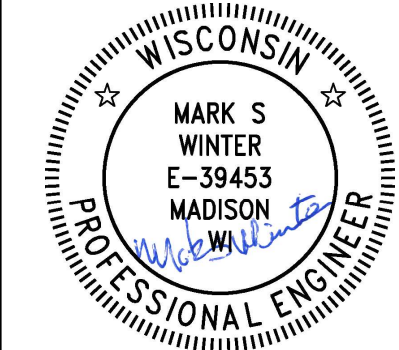
Apr 15, 2021

WATER DESIGNED BY:

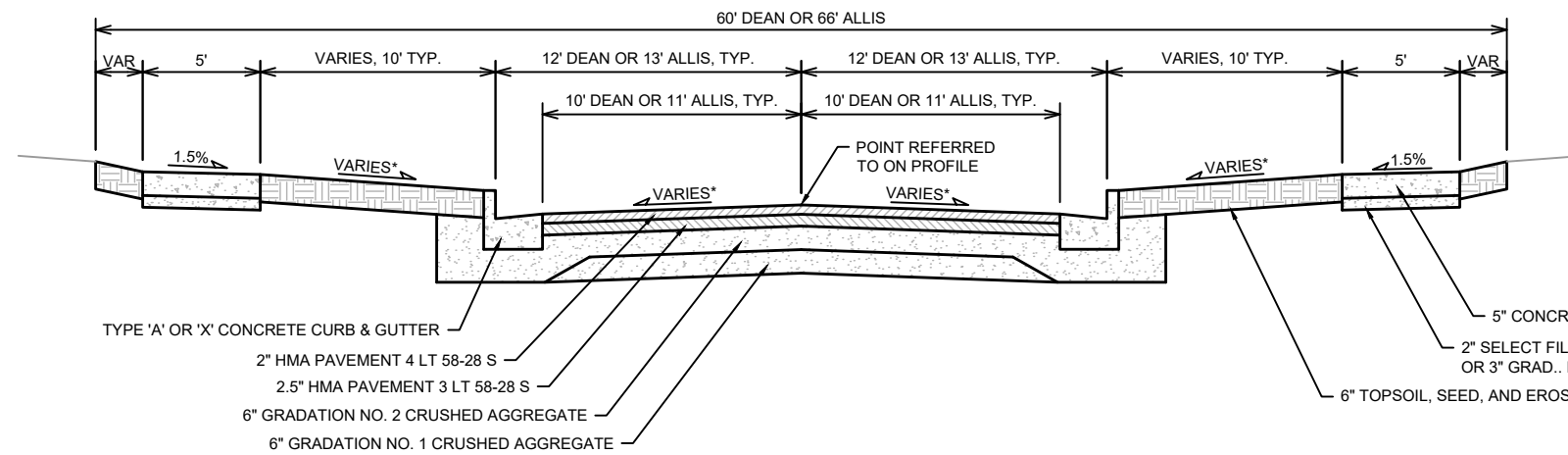


Apr 16, 2021

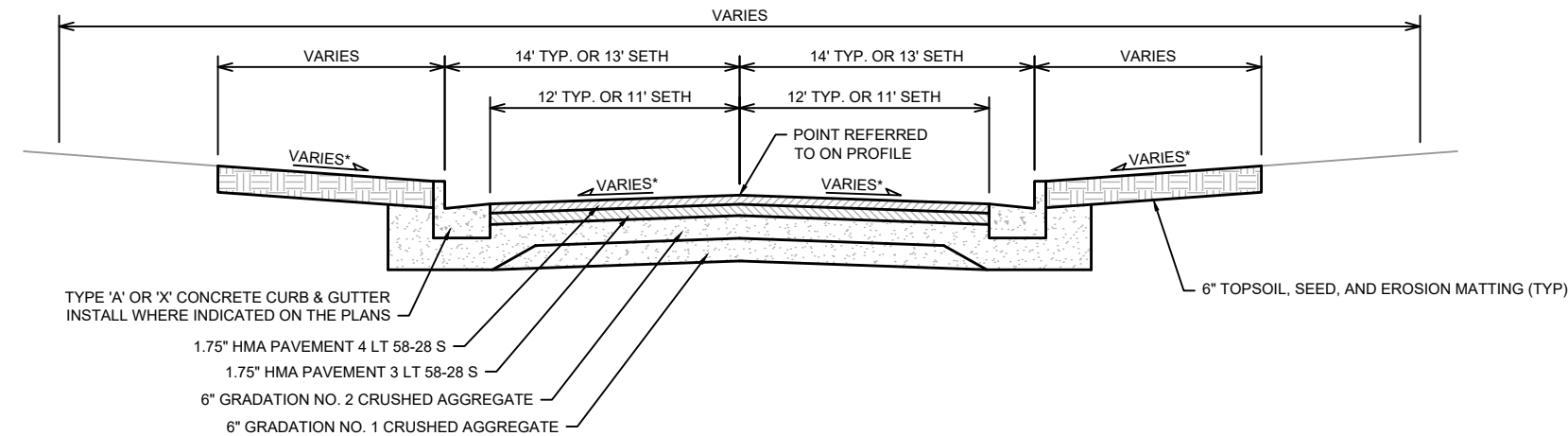
PAVEMENT MARKINGS DESIGNED BY:



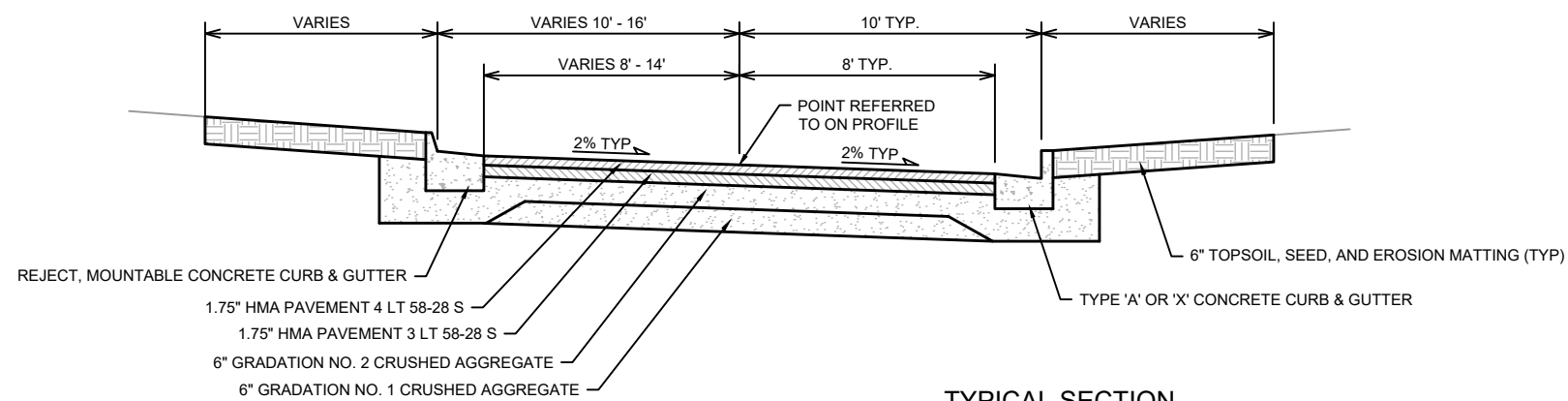
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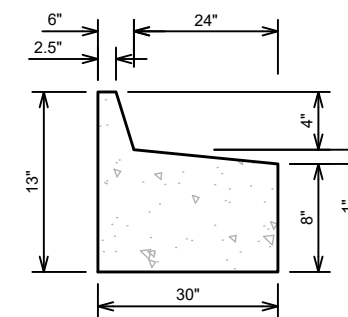
TYPICAL SECTION  
E. DEAN AVE. & ALLIS AVE.  
NOT TO SCALE



TYPICAL SECTION  
SHAFER AVE. & SPAANEM AVE.  
SETH CIRCLE (90+50 TO 91+75)  
TYLER CIRCLE (80+25 TO 82+50, MATCH EX CURB)  
TYLER CIRCLE (82+50 TO 84+50), INSTALL CURB)  
NOT TO SCALE



TYPICAL SECTION  
SETH CIRCLE (STA 91+75 TO 94+50)  
NOT TO SCALE



REJECT MOUNTABLE CURB DETAIL  
NOT TO SCALE

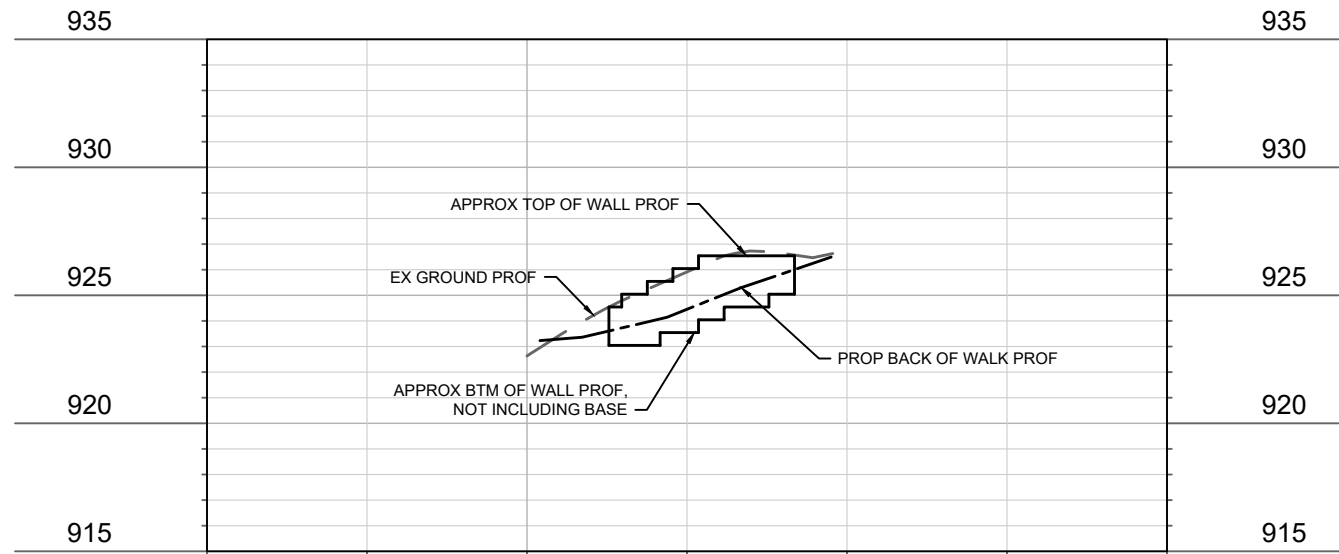
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REVISION	DATE
DESIGNED BY: ###	DATE: 4/13/2021 4:09 PM
MARK	Scale: #####
11432	D-1

11432  
MADISON, WI  
CONTRACT NO: 7838  
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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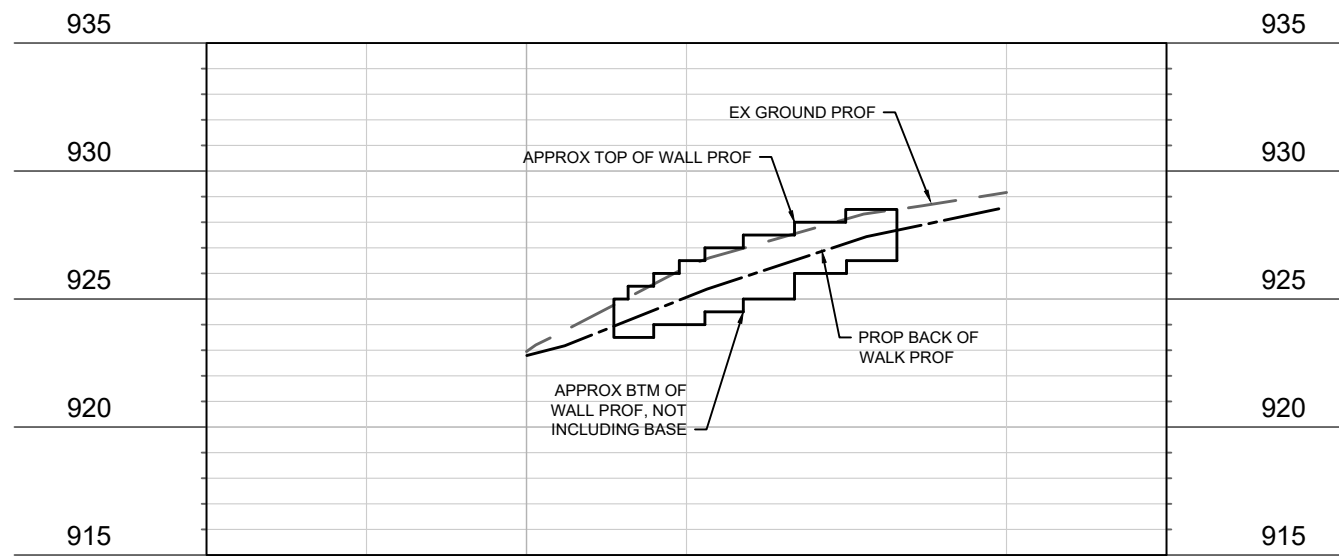


11432  
D-1

Profile View of Back of Wall Allis Lt



Profile View of Back of Wall Allis Rt



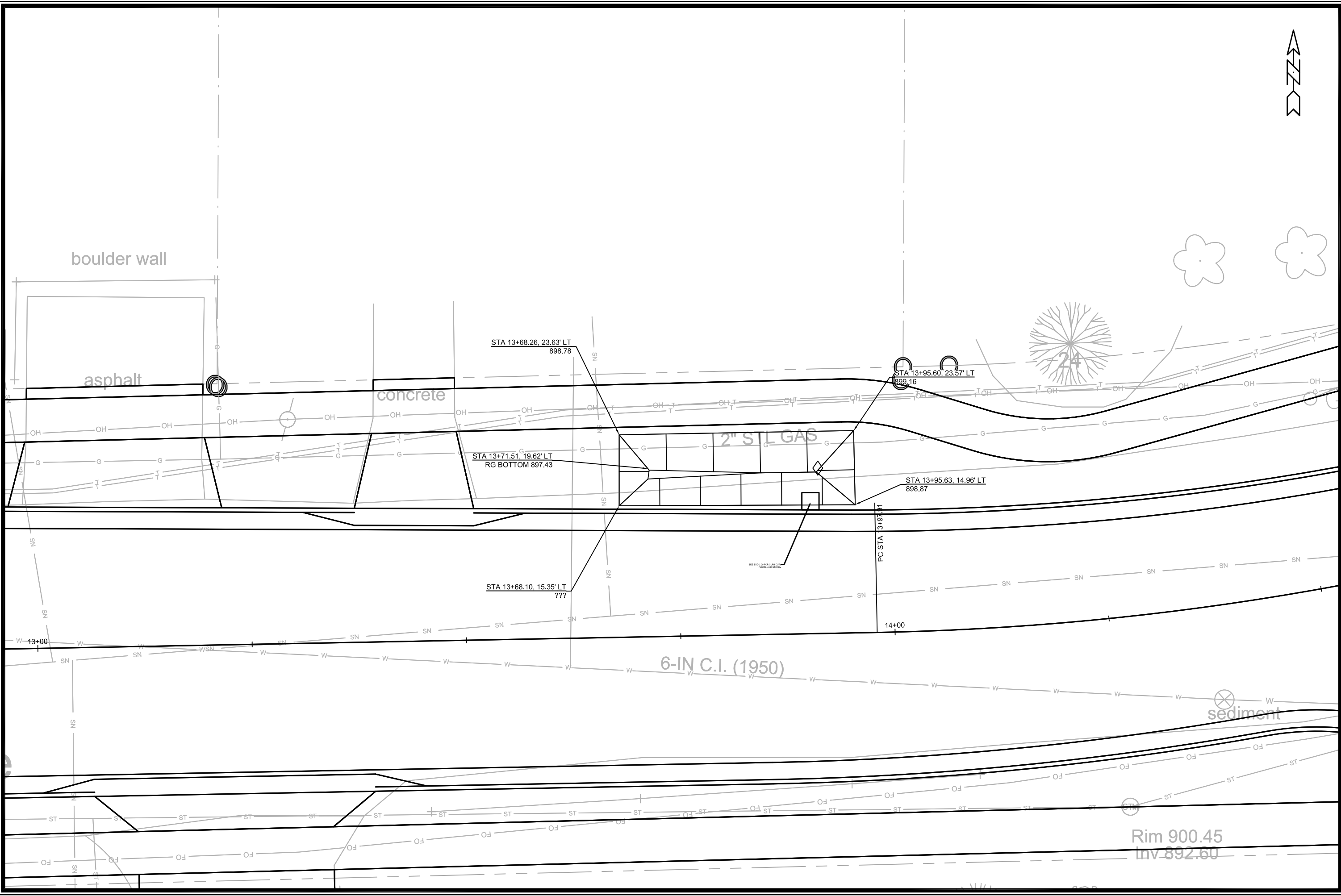
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			D-2

11432  
 SPLIT BLOCK WALL PROFILES  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
 CONTRACT NO: 7838  
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11432  
 D-2





MARK	REVISION	DATE	BY

11432  
 Madison, WI  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 CONTRACT NO: 7838  
 M:\DESIGN\Projects\11432\C3D\Storm\11432\_Terrace Rain Gardens\_RG1-RG3.dwg

116 E Dean Terrace Rain Garden  
  
 11432  
 RG-1

Rim 900.45  
 Inv 892.60

STA 13+95.60, 23.37' LT  
 899.16

STA 13+68.26, 23.63' LT  
 898.78

STA 13+71.51, 19.62' LT  
 RG BOTTOM 897.43

STA 13+95.63, 14.96' LT  
 898.87

STA 13+68.10, 15.35' LT  
 ???

6-IN C.I. (1950)

sediment

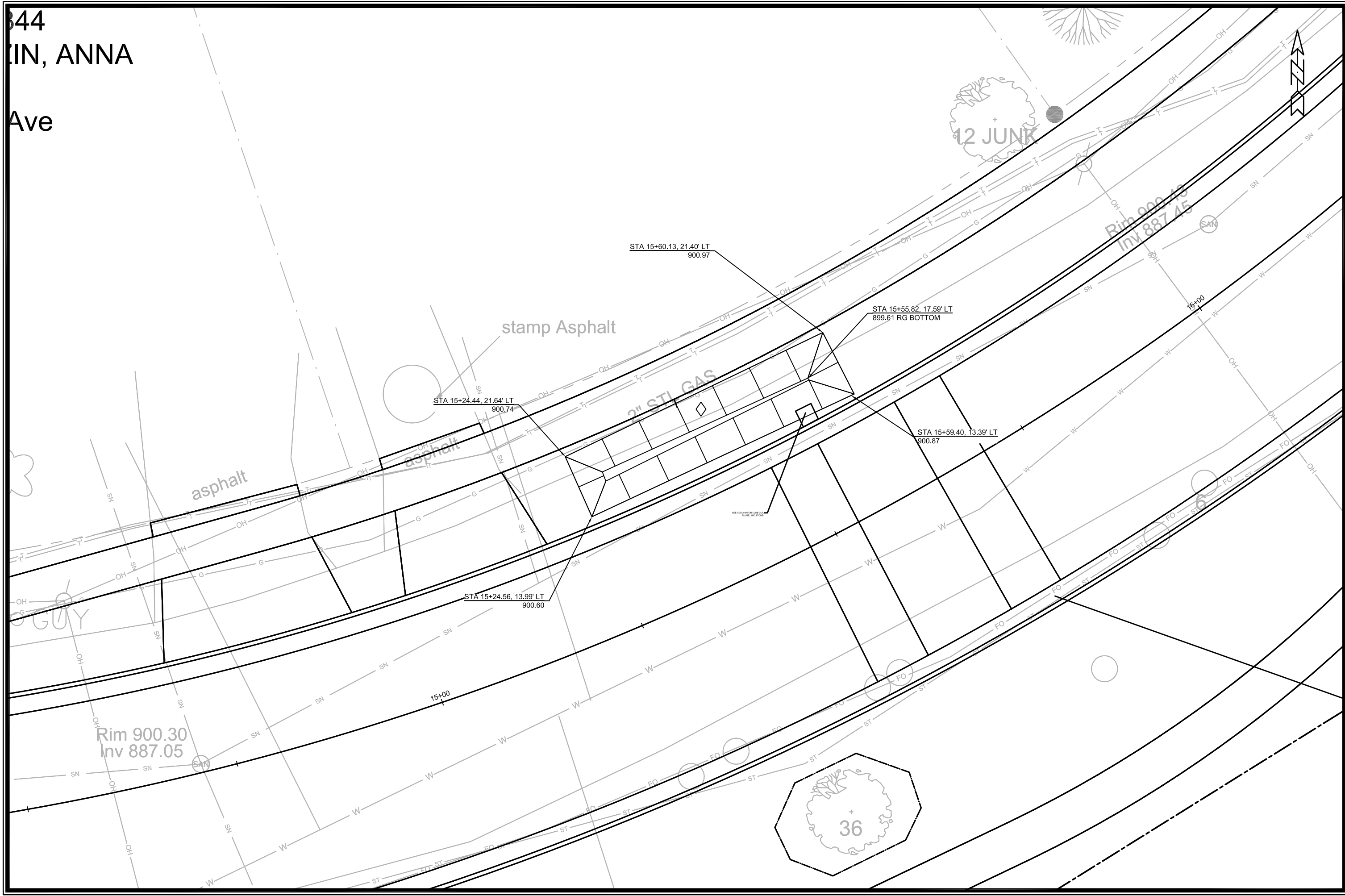
PC STA 3+97.81

14+00

13+00



344  
IN, ANNA  
Ave



MARK	REVISION	DATE	BY
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11432  
200 E Dean Terrace Rain Garden  
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
MADISON, WI  
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7838  
CONTRACT NO:

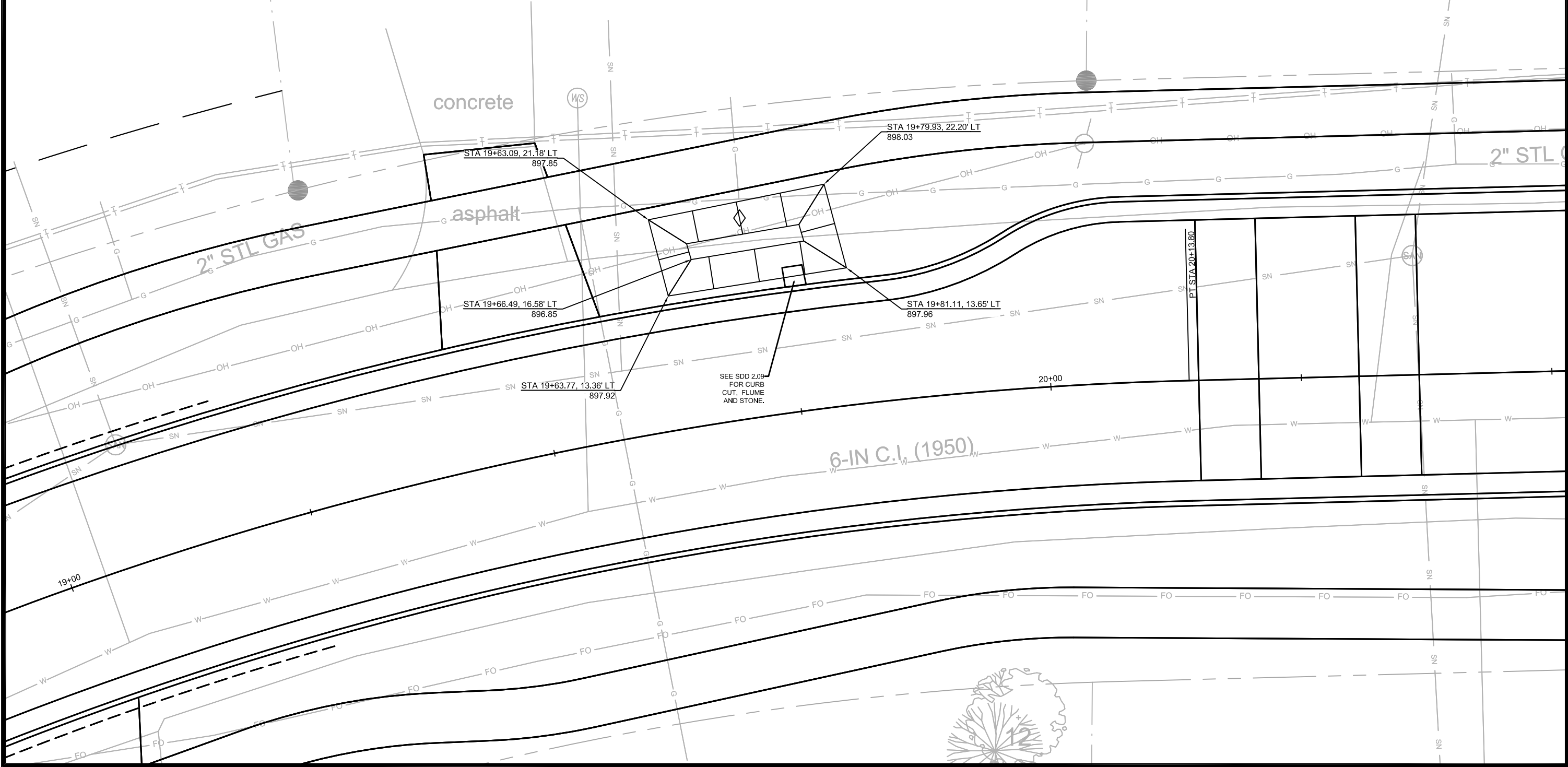


11432  
R-2

# RAIN GARDEN



TL



concrete

asphalt

2" STL GAS

2" STL

6-IN C.I. (1950)

SEE SDD 2.09  
FOR CURB  
CUT, FLUME  
AND STONE.

STA 19+63.09, 21.18' LT  
897.85

STA 19+79.93, 22.20' LT  
898.03

STA 19+66.49, 16.58' LT  
896.85

STA 19+81.11, 13.65' LT  
897.96

STA 19+63.77, 13.36' LT  
897.92

PT STA 20+13.80

20+00

19+00

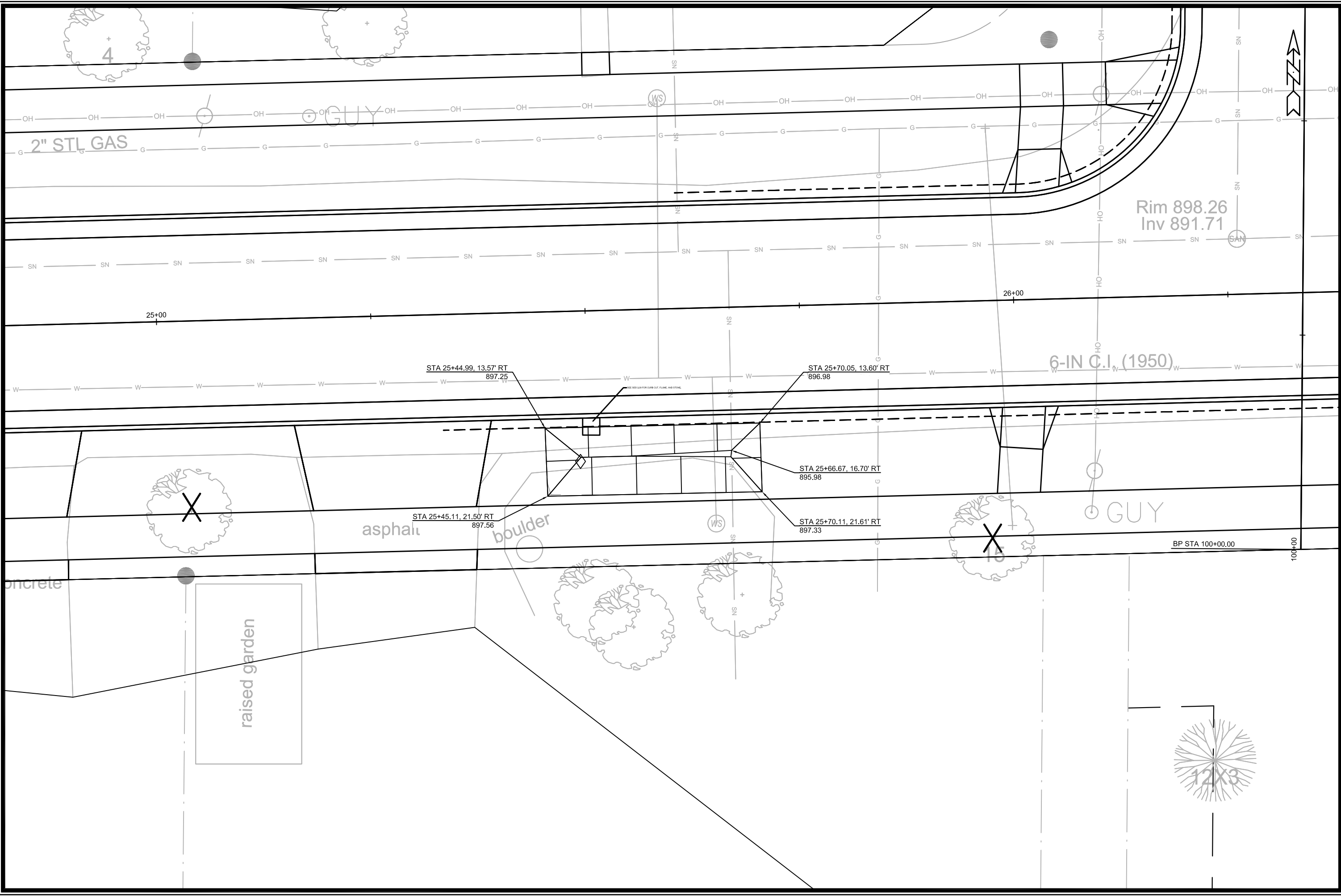


MARK	REVISION	DATE	BY

11432  
 RAIN GARDEN DETAIL, 214 E DEAN  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
 M:\DESIGN\Projects\11432\CSD\Storm\11432\_Terrace Rain Gardens\_RG1-RG3.dwg  
 CONTRACT NO: 7838



11432  
 RG-3



Rim 898.26  
Inv 891.71

STA 25+44.99, 13.57' RT  
897.25

STA 25+70.05, 13.60' RT  
896.98

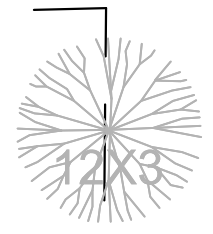
STA 25+45.11, 21.50' RT  
897.56

STA 25+66.67, 16.70' RT  
895.98

STA 25+70.11, 21.61' RT  
897.33

6-IN C.I. (1950)

BP STA 100+00.00



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		RG-4	

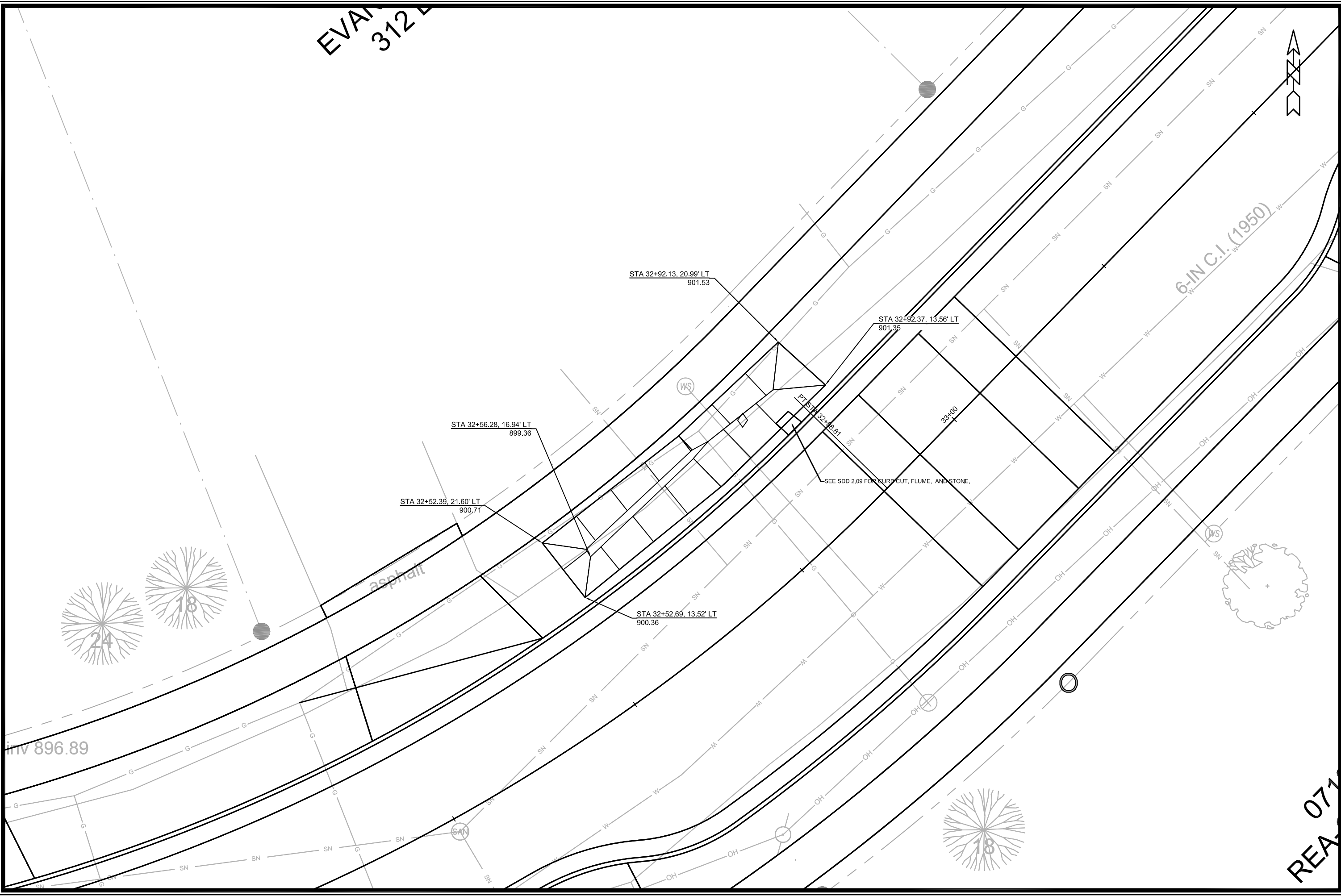
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RAIN GARDEN DETAIL, 225 E DEAN  
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
MADISON, WI  
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CONTRACT NO: 7838



11432  
RG-4



EVAN  
312 E



MARK	REVISION	DATE	BY

11432  
 11432  
 MADISON, WI  
 7838  
 CONTRACT NO:

RAIN GARDEN DETAIL, 312 E DEAN  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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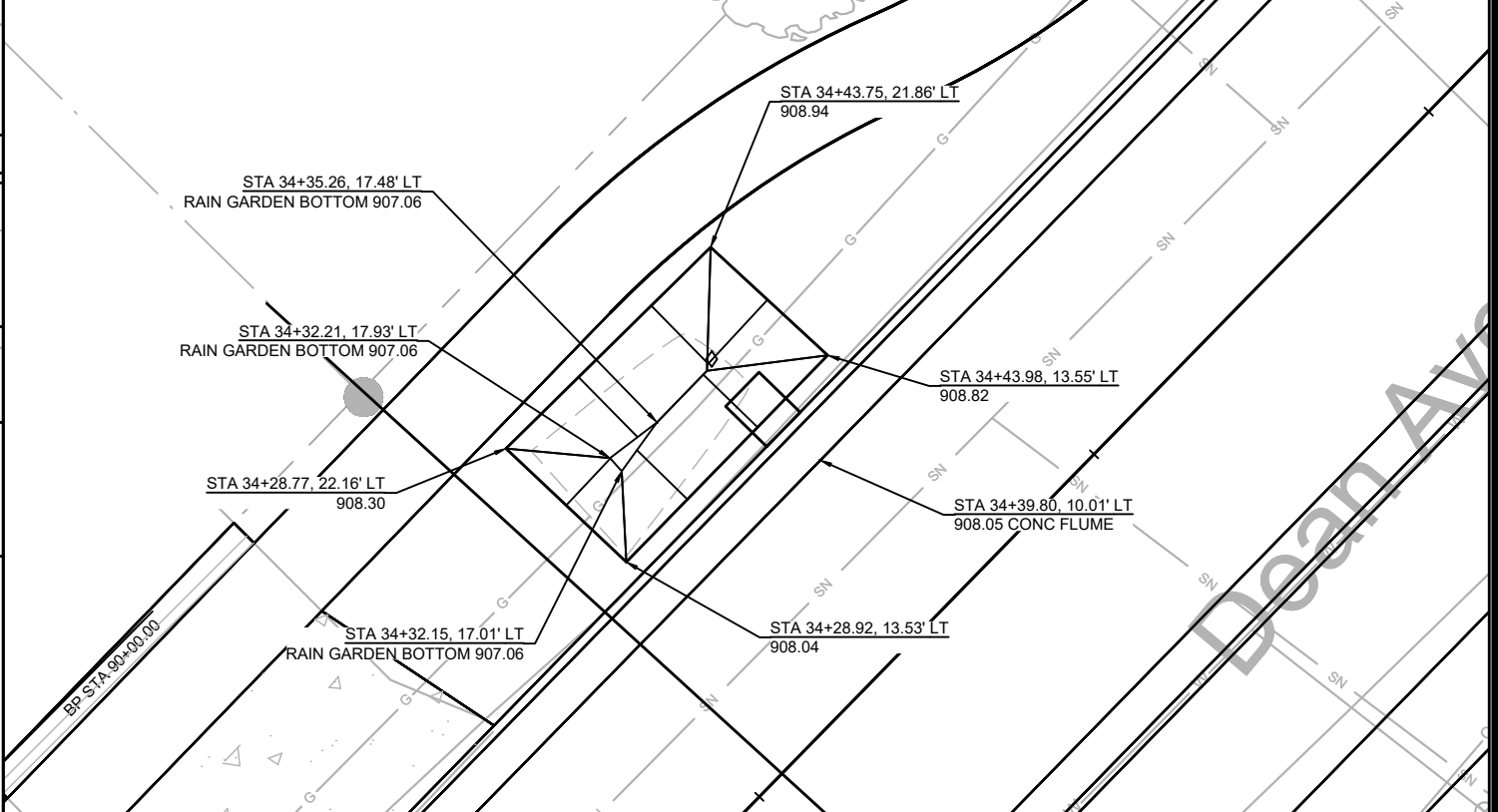
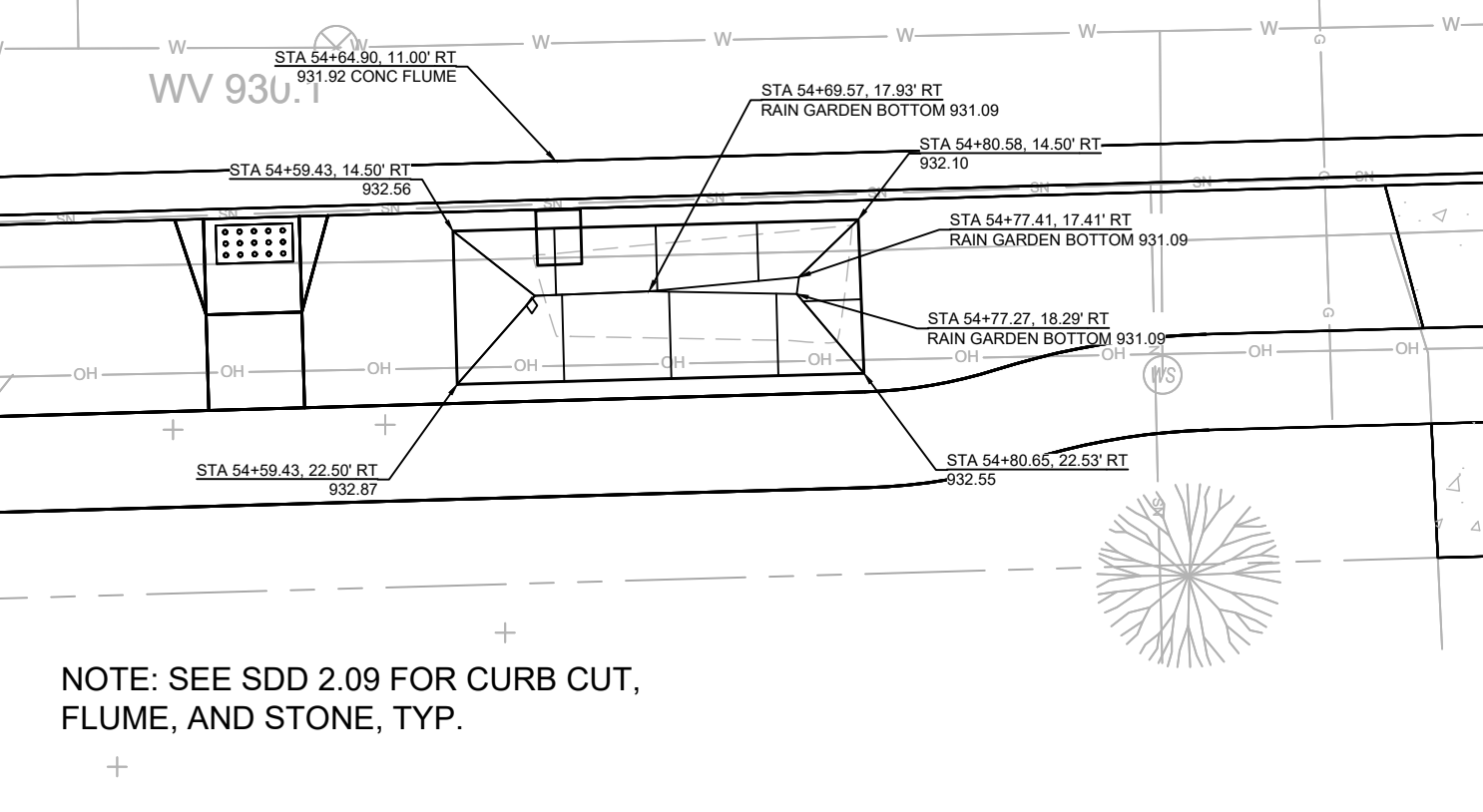
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 RG-5



REA 077

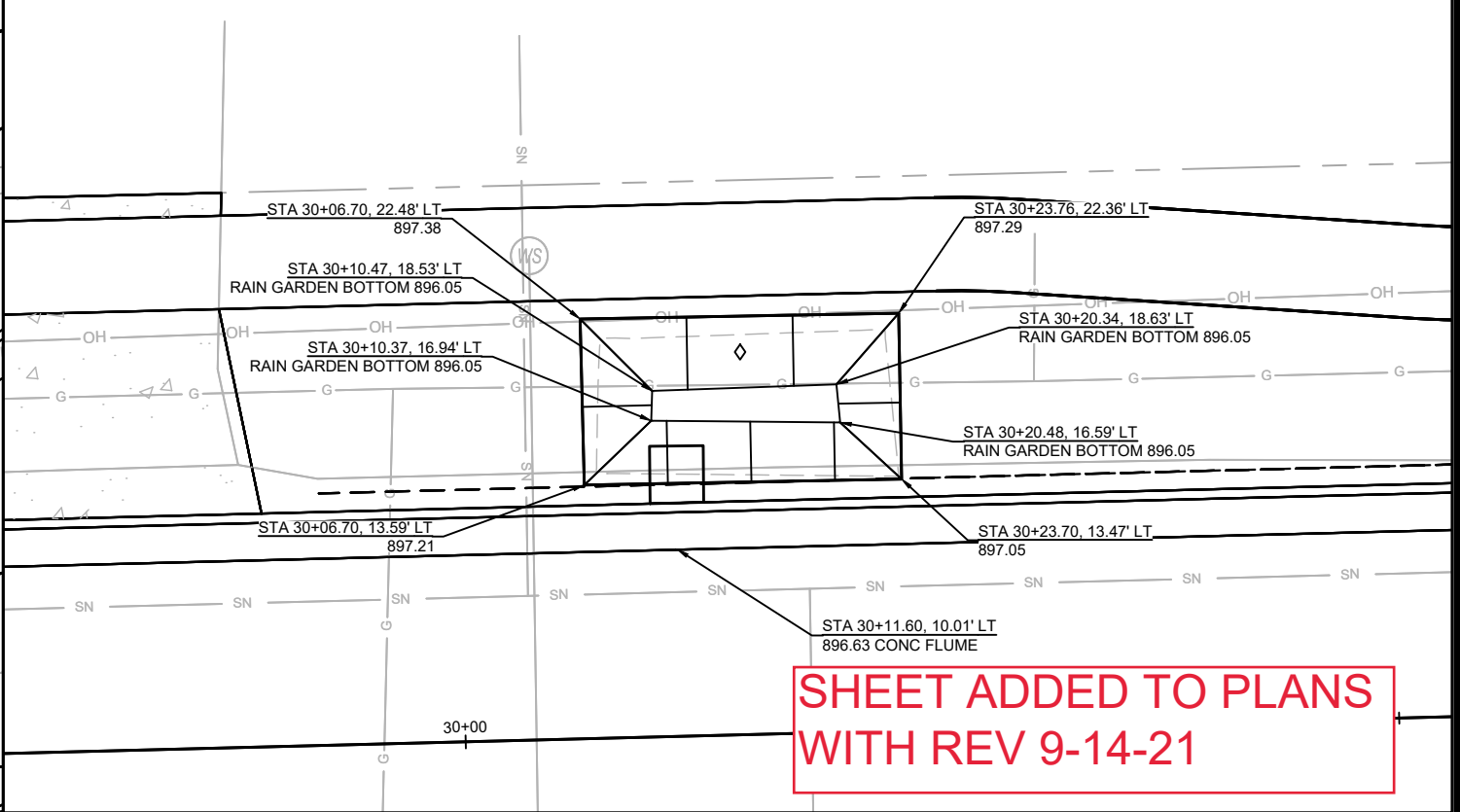
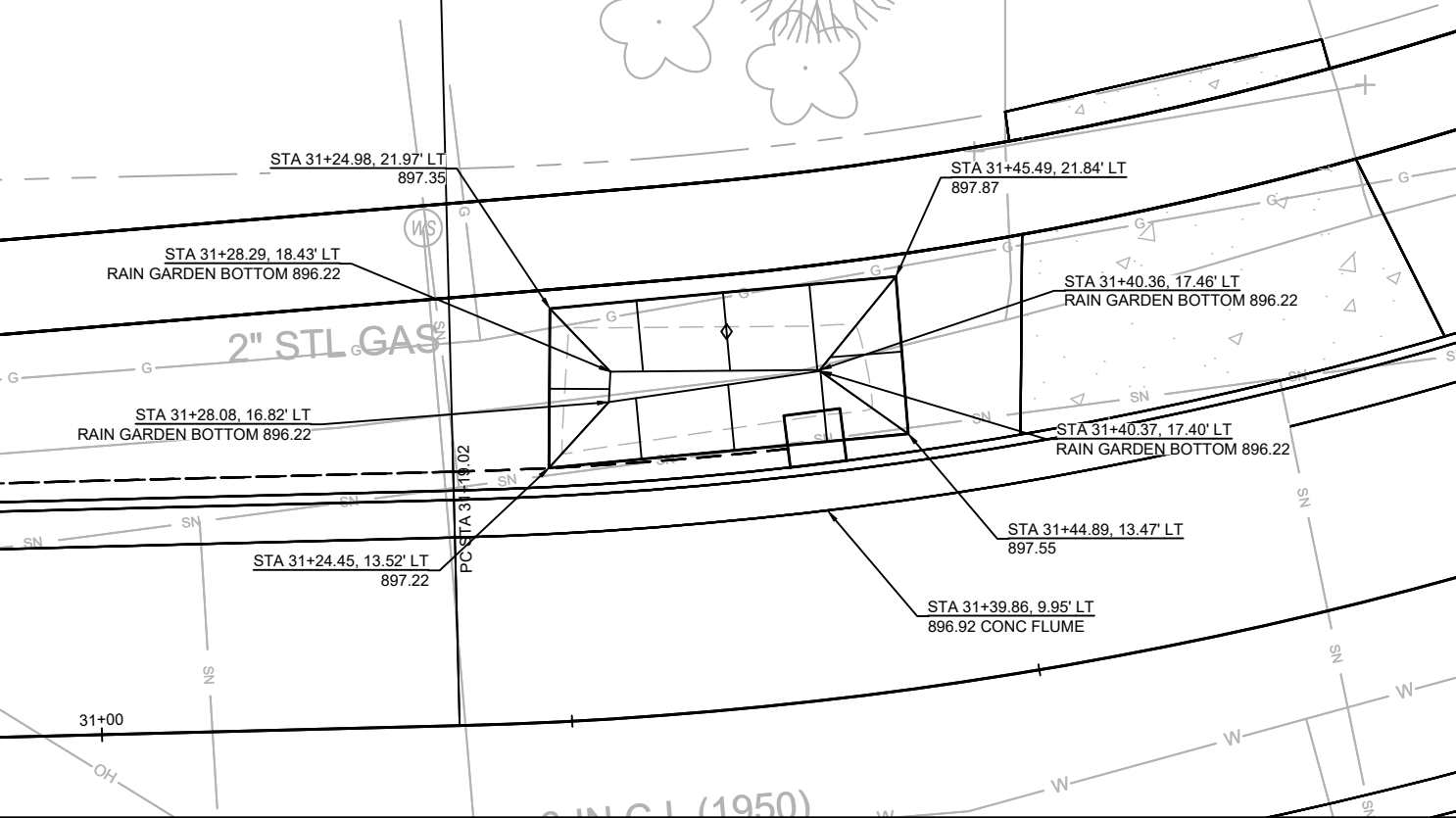
4601 ALLIS AVE

328 E DEAN AVE



308 E DEAN AVE

306 E DEAN AVE



**SHEET ADDED TO PLANS  
WITH REV 9-14-21**

DATE	BY
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11432	11432
7838	RG-6

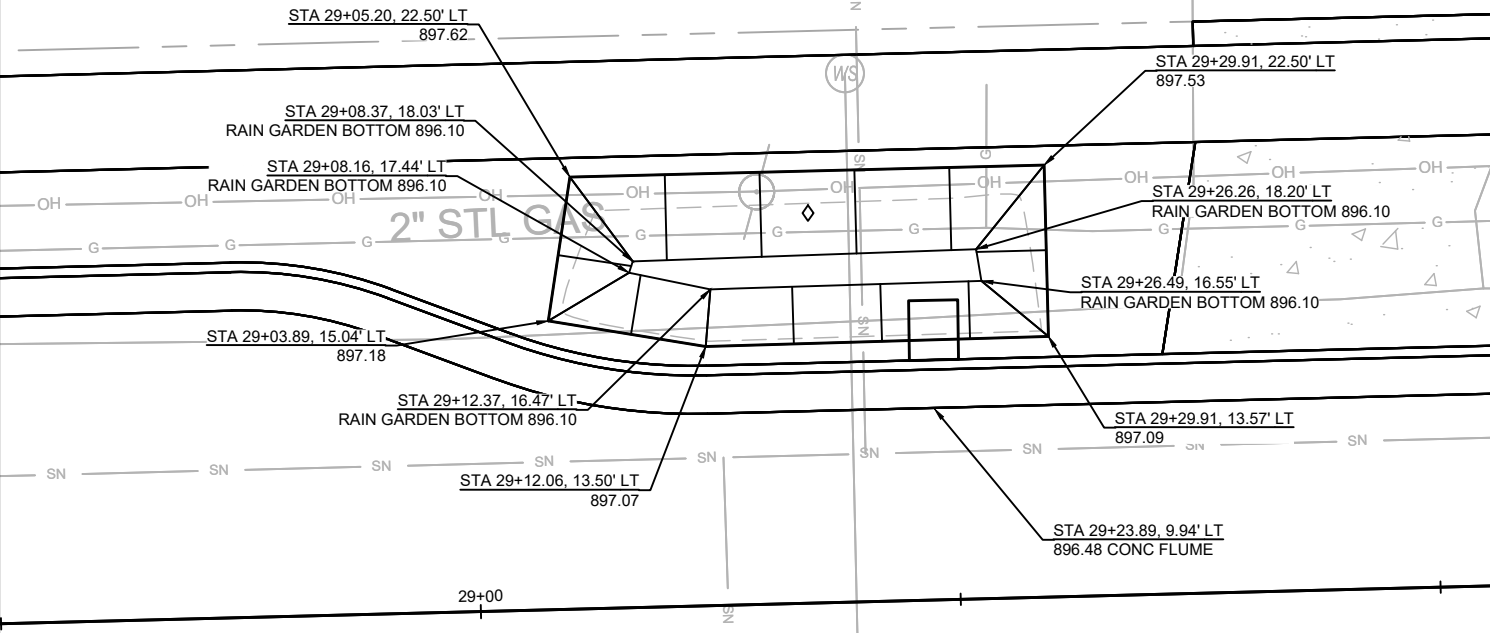
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 TERRACE RAIN GARDEN DETAILS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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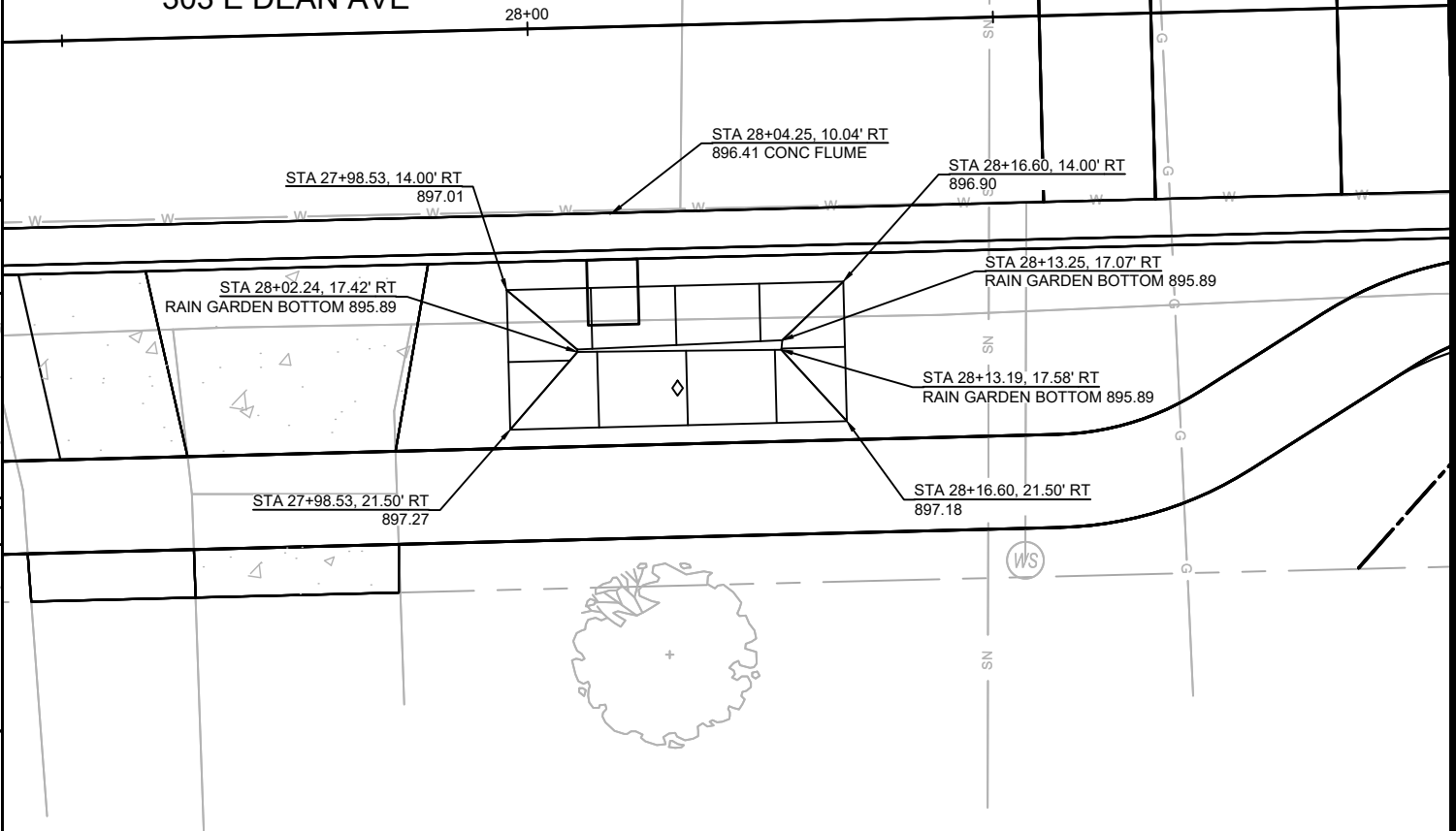
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 RG-6

NOTE: SEE SDD 2.09 FOR CURB CUT, FLUME, AND STONE, TYP.

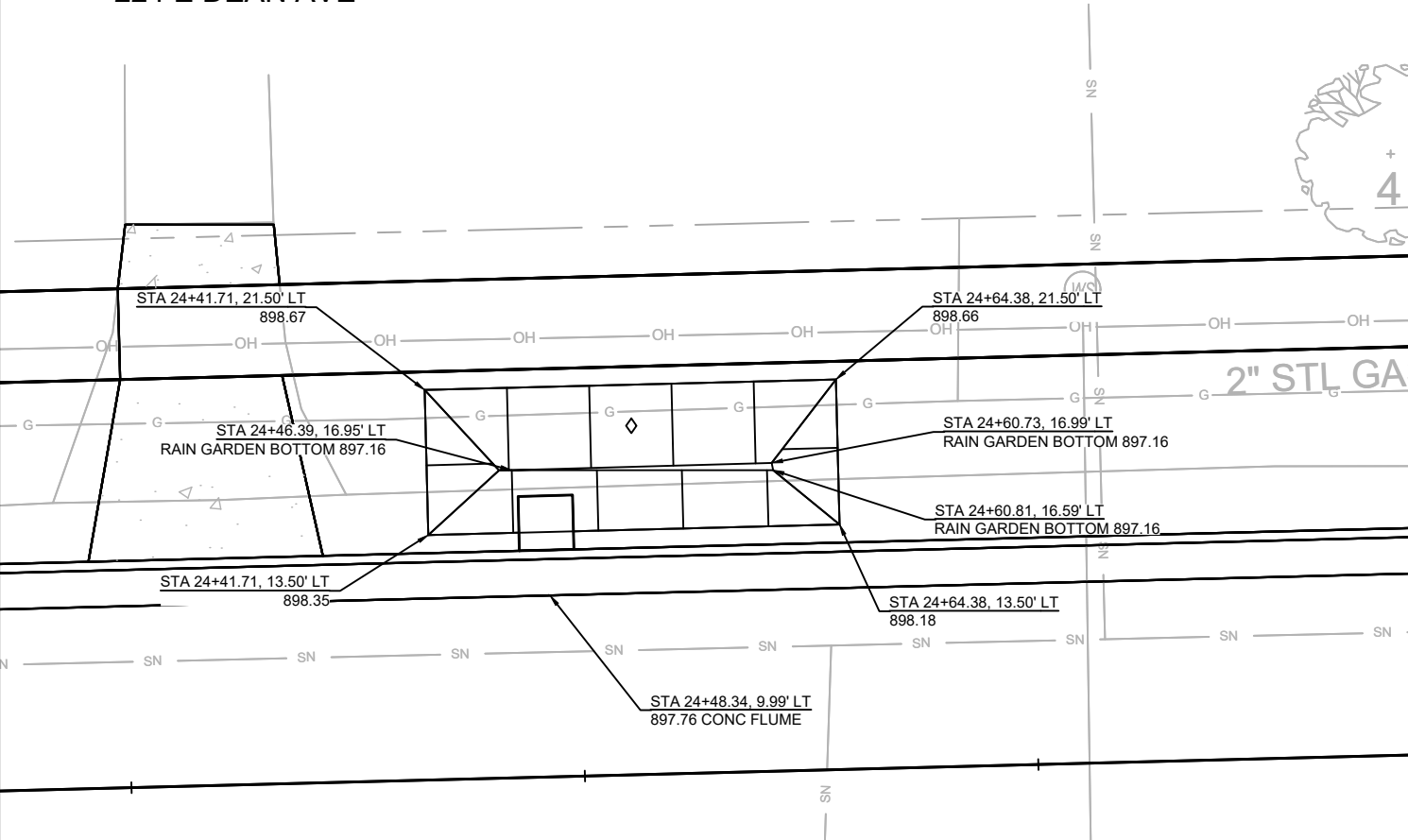
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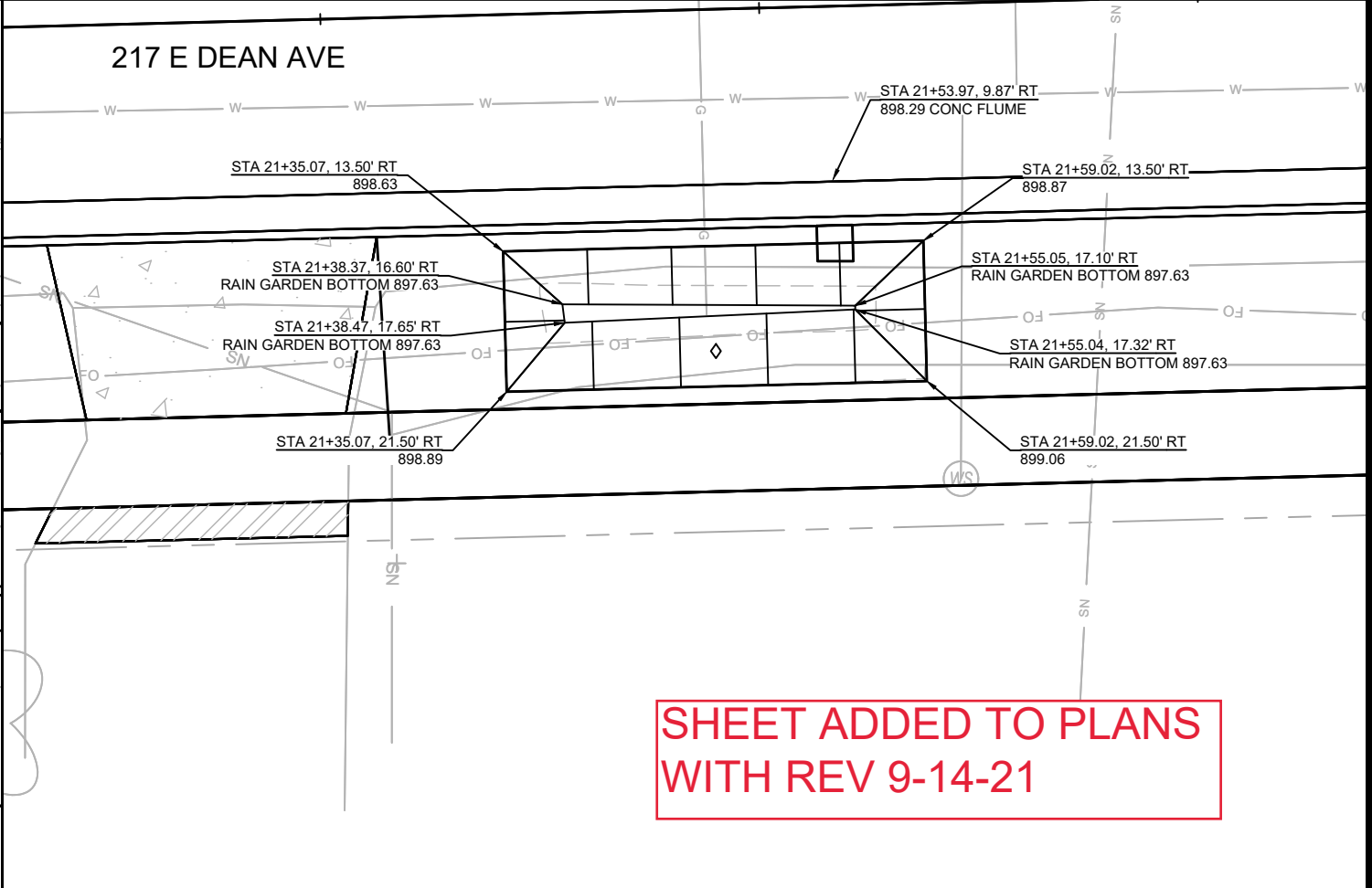
303 E DEAN AVE



224 E DEAN AVE



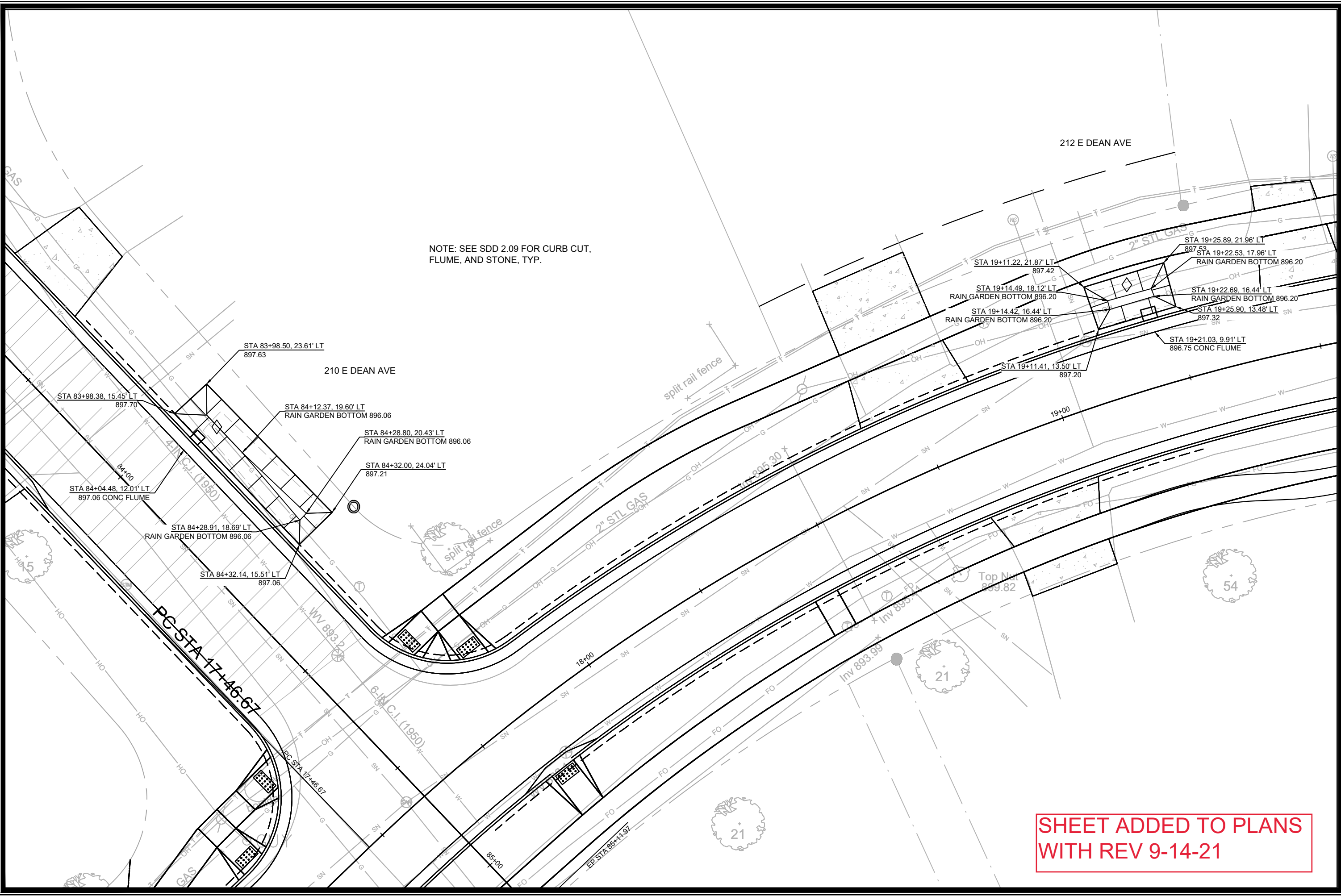
217 E DEAN AVE



SHEET ADDED TO PLANS WITH REV 9-14-21

RAIN GARDEN DETAILS  
 11432  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
 CONTRACT NO.: 7838

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11432	11432	9/14/2021	11:33 AM
Design By: #	Scale: #####		
			RG-7



NOTE: SEE SDD 2.09 FOR CURB CUT, FLUME, AND STONE, TYP.

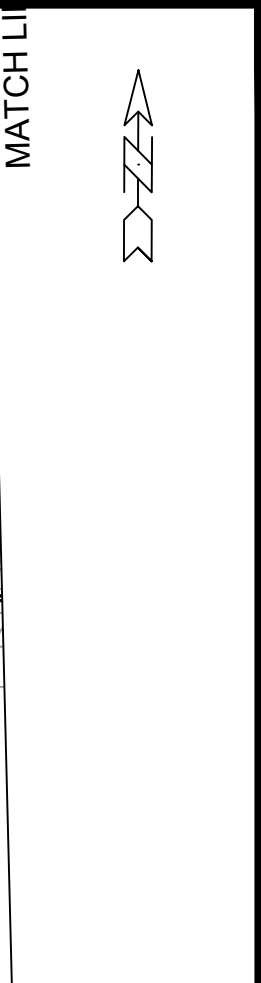
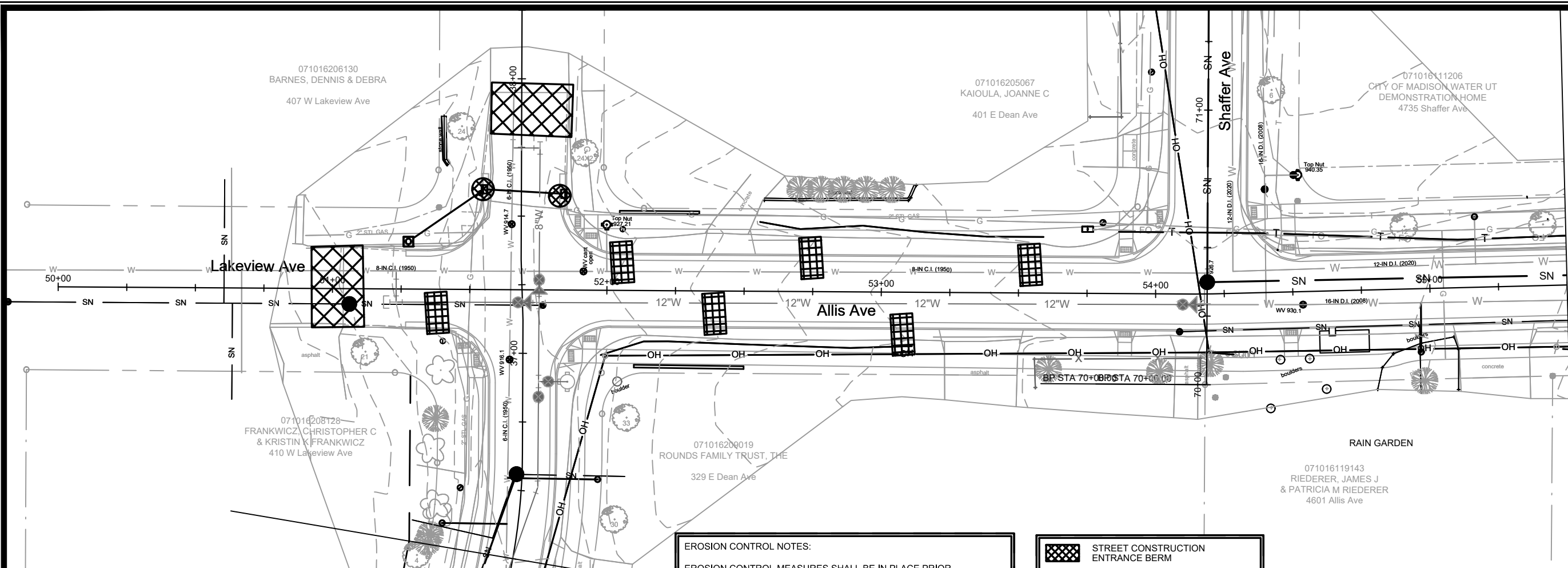
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WITH REV 9-14-21**

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11432  
 RAIN GARDEN DETAILS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
 CONTRACT NO.: 7838  
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11432  
 RG-8



**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.

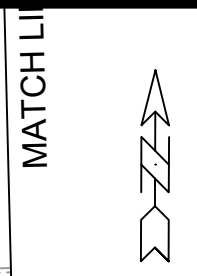
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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.

	STREET CONSTRUCTION ENTRANCE BERM
	CONSTRUCTION ENTRANCE
	RIGID FRAME INLET PROTECTION
	TYPE C INLET PROTECTION
	STREET CONSTRUCTION STONE BERM



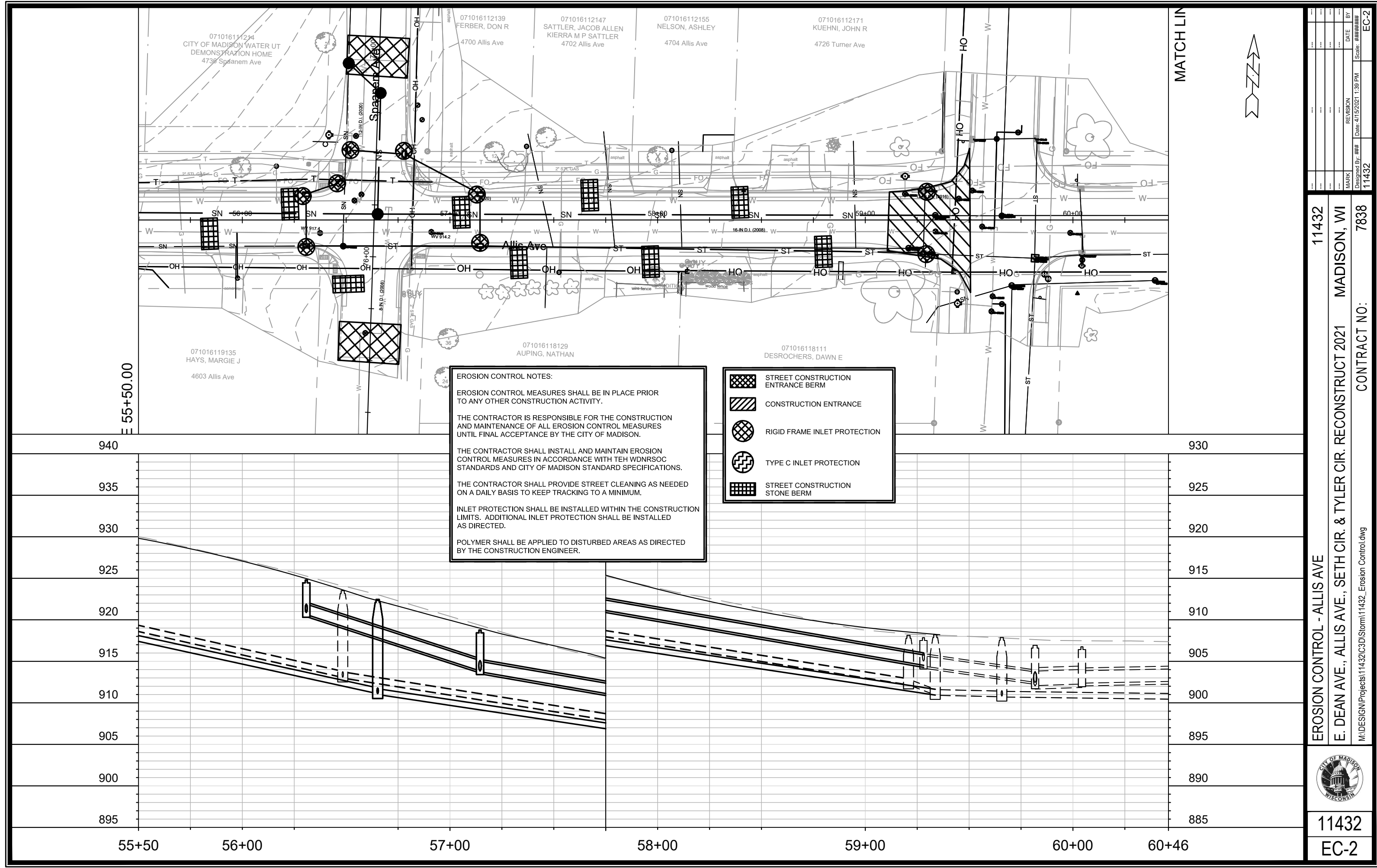
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11432  
 MADISON, WI  
 CONTRACT NO.: 7838

EROSION CONTROL - ALLIS AVE  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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11432  
 EC-1



**EROSION CONTROL NOTES:**

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

MATCH LIN



MARK	REVISION	DATE	BY
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			EC-2

11432

EROSION CONTROL - ALLIS AVE

E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021

MADISON, WI

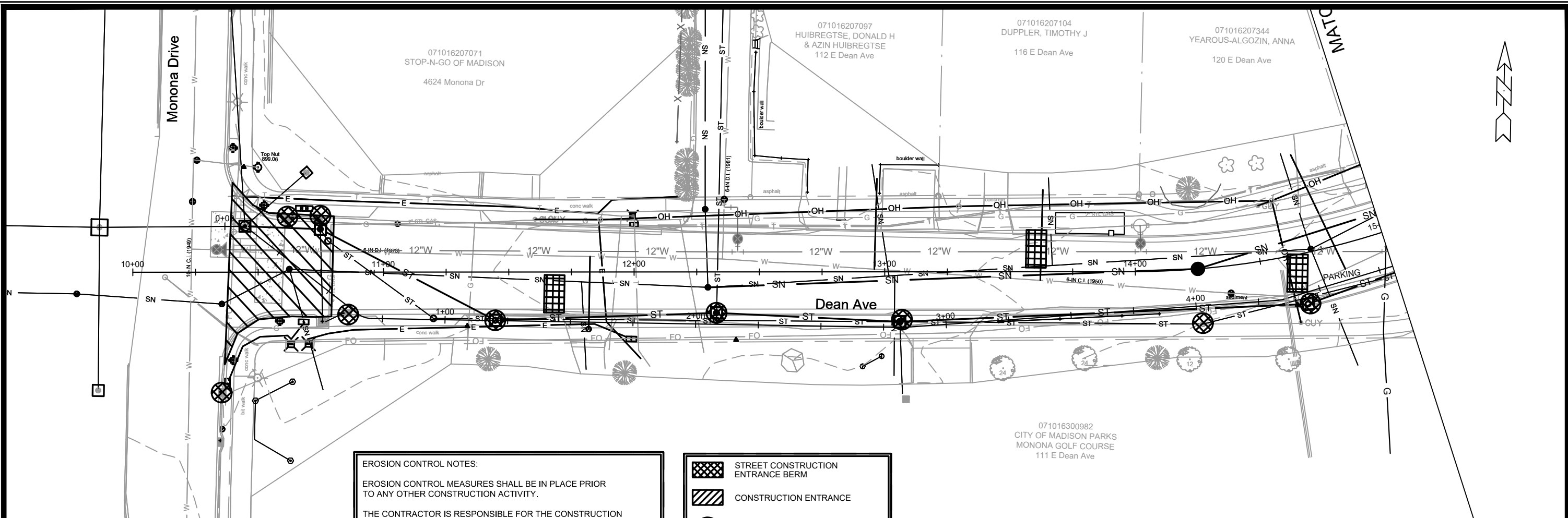
CONTRACT NO: 7838

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11432

EC-2



**EROSION CONTROL NOTES:**

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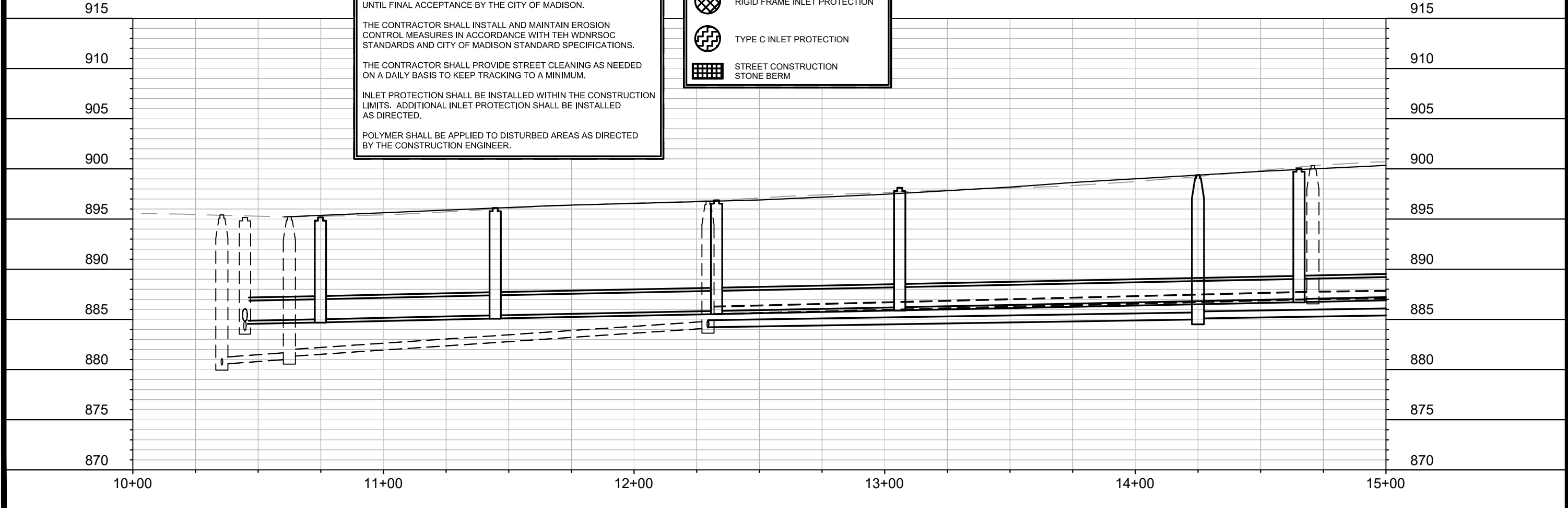
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TEH WDNRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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



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11432  
 MADISON, WI  
 CONTRACT NO: 7838

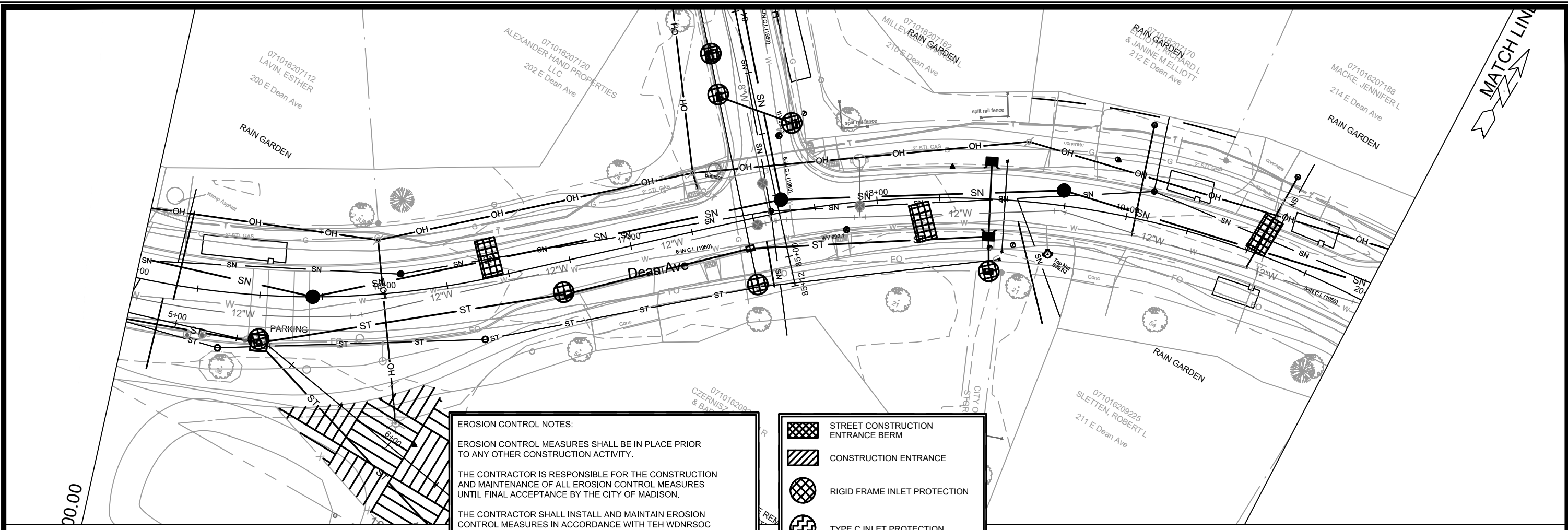
EROSION CONTROL - E DEAN AVE  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021



11432  
 EC-3

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EC-3



**EROSION CONTROL NOTES:**

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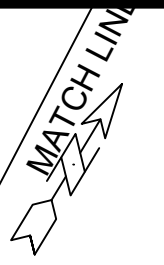
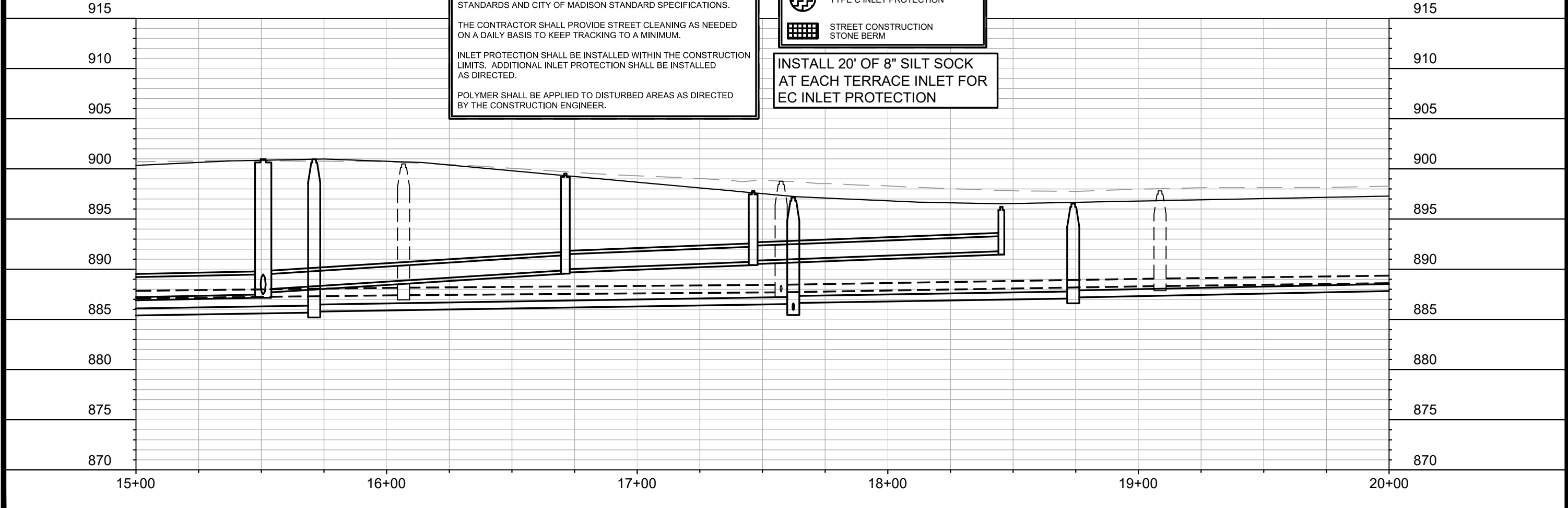
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- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- RIGID FRAME INLET PROTECTION
- TYPE C INLET PROTECTION
- STREET CONSTRUCTION STONE BERM

**INSTALL 20' OF 8" SILT SOCK AT EACH TERRACE INLET FOR EC INLET PROTECTION**



MARK	REVISION	DATE	BY

11432

MADISON, WI

RECONSTRUCT 2021

CONTRACT NO: 7838

11432

7838

EC-4

EROSION CONTROL - E DEAN AVE

E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR.

DESIGNED BY: M11432(C3D)\Storm\11432\_Erosion Control.dwg



11432  
EC-4



071016207196  
SCHIRO, ALISON C  
216 E Dean Ave

071016207203  
CARLEY, JAMIE E  
218 E Dean Ave

071016207211  
KORTSCH, OMA L  
220 E Dean Ave

071016207229  
LUND, JEROME C  
& PATRICIA HAFEMANN-LUND  
222 E Dean Ave

071016207237  
HOVERSON, JACQUELINE  
224 E Dean Ave

071016209192  
PEDERSON, ROBERT & NANCY  
219 E Dean Ave

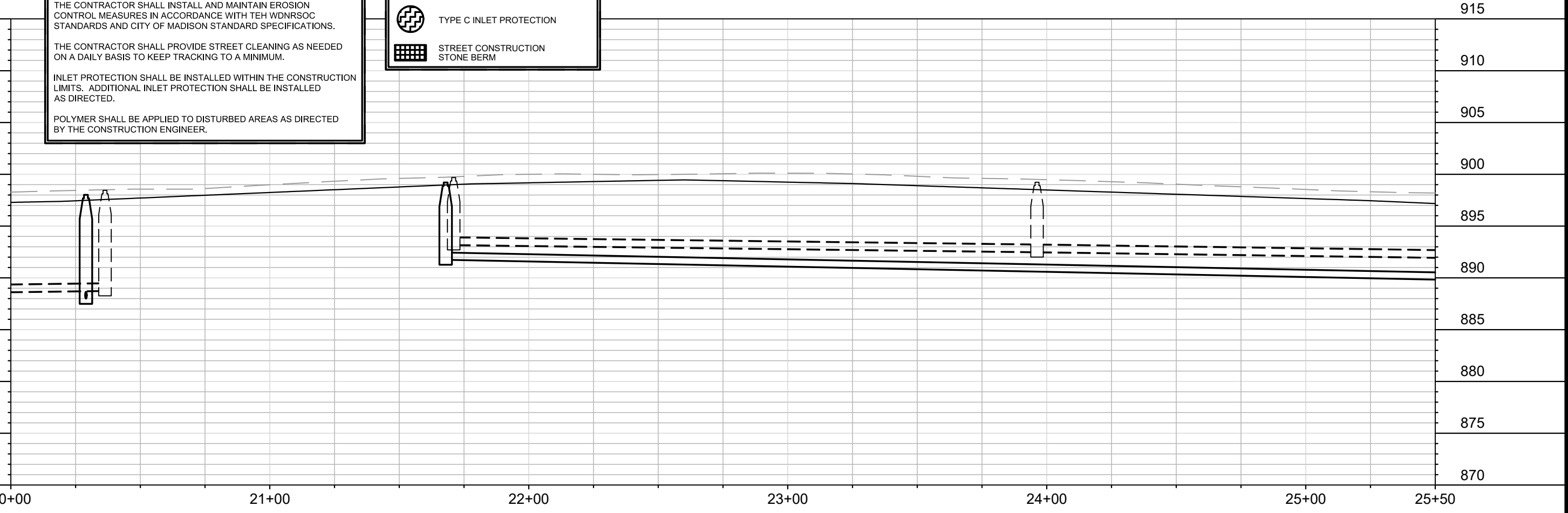
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TAYLOR, AMANDA  
221 E Dean Ave

071016209176  
SCHROEDER-GASSER, GRAHAM  
223 E Dean Ave

MATCH LIN



E 20+00.00



**EROSION CONTROL NOTES:**

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

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THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TEH WDNRSOC 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.

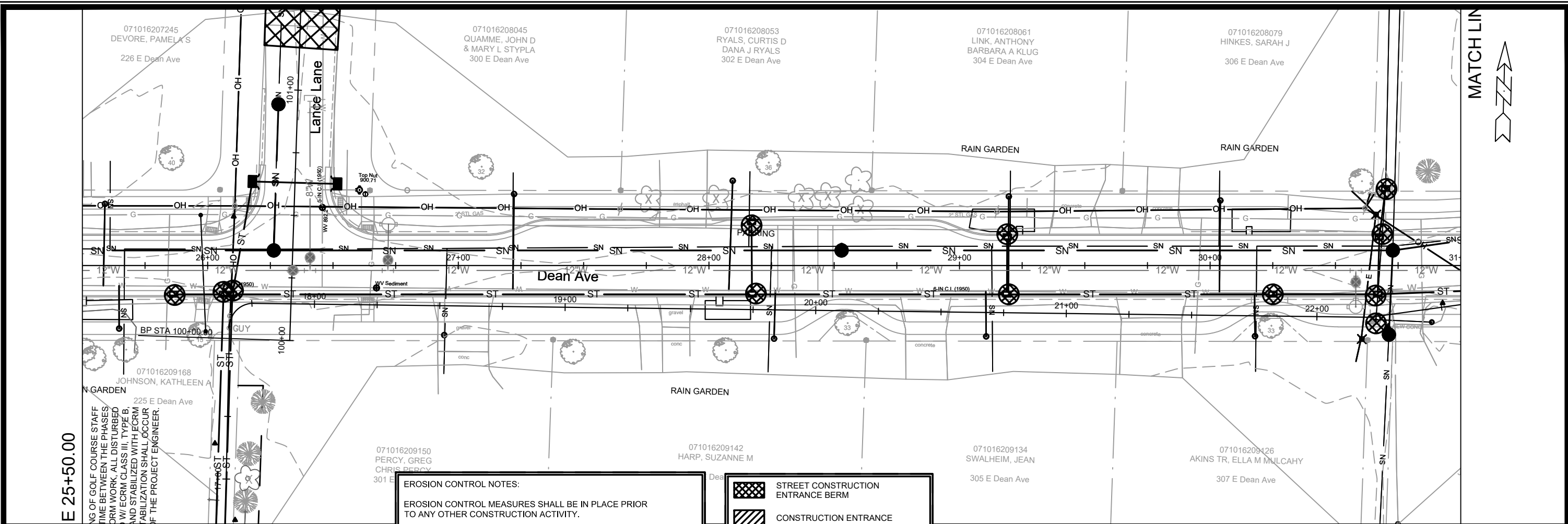
	STREET CONSTRUCTION ENTRANCE BERM
	CONSTRUCTION ENTRANCE
	RIGID FRAME INLET PROTECTION
	TYPE C INLET PROTECTION
	STREET CONSTRUCTION STONE BERM

MARK	REVISION	DATE	BY

Designed By: ###  
Scale: #####  
11432

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EROSION CONTROL - E DEAN AVE  
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
MADISON, WI  
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CONTRACT NO:

11432  
EC-5



E 25+50.00



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Designed By: ##	Scale: #####		
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11432  
 MADISON, WI  
 RECONSTRUCT 2021  
 SETH CIR. & TYLER CIR.  
 11432 - Erosion Control.dwg



11432  
 EC-6

**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 TEH WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

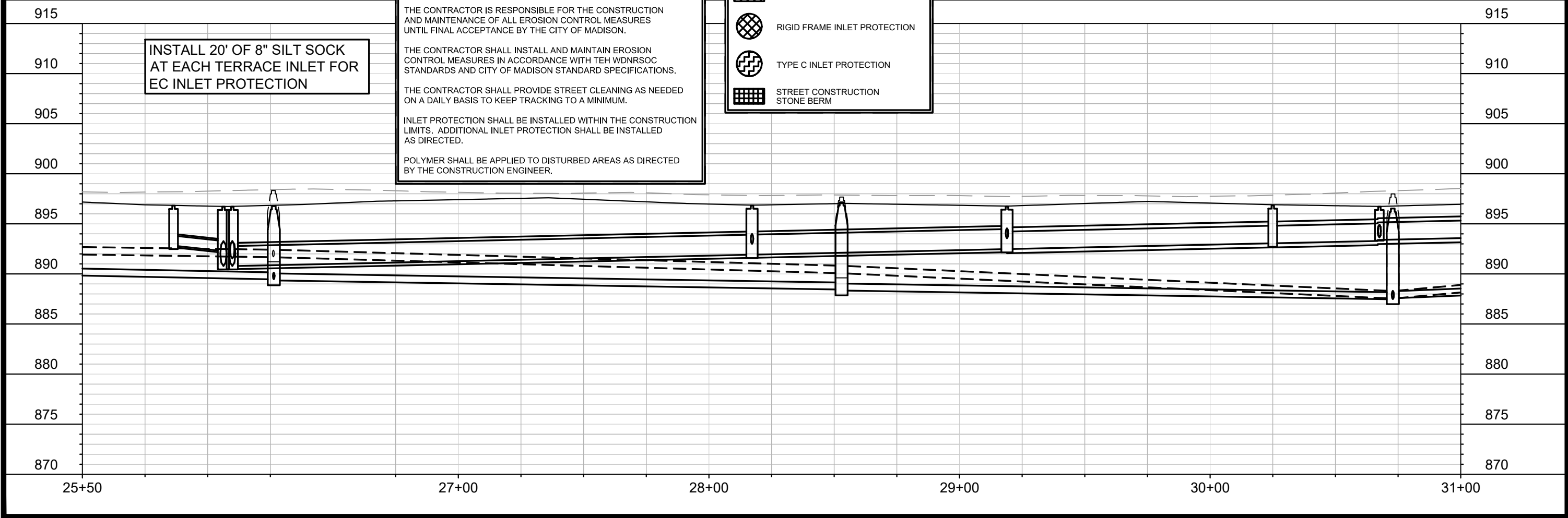
THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

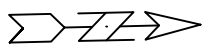
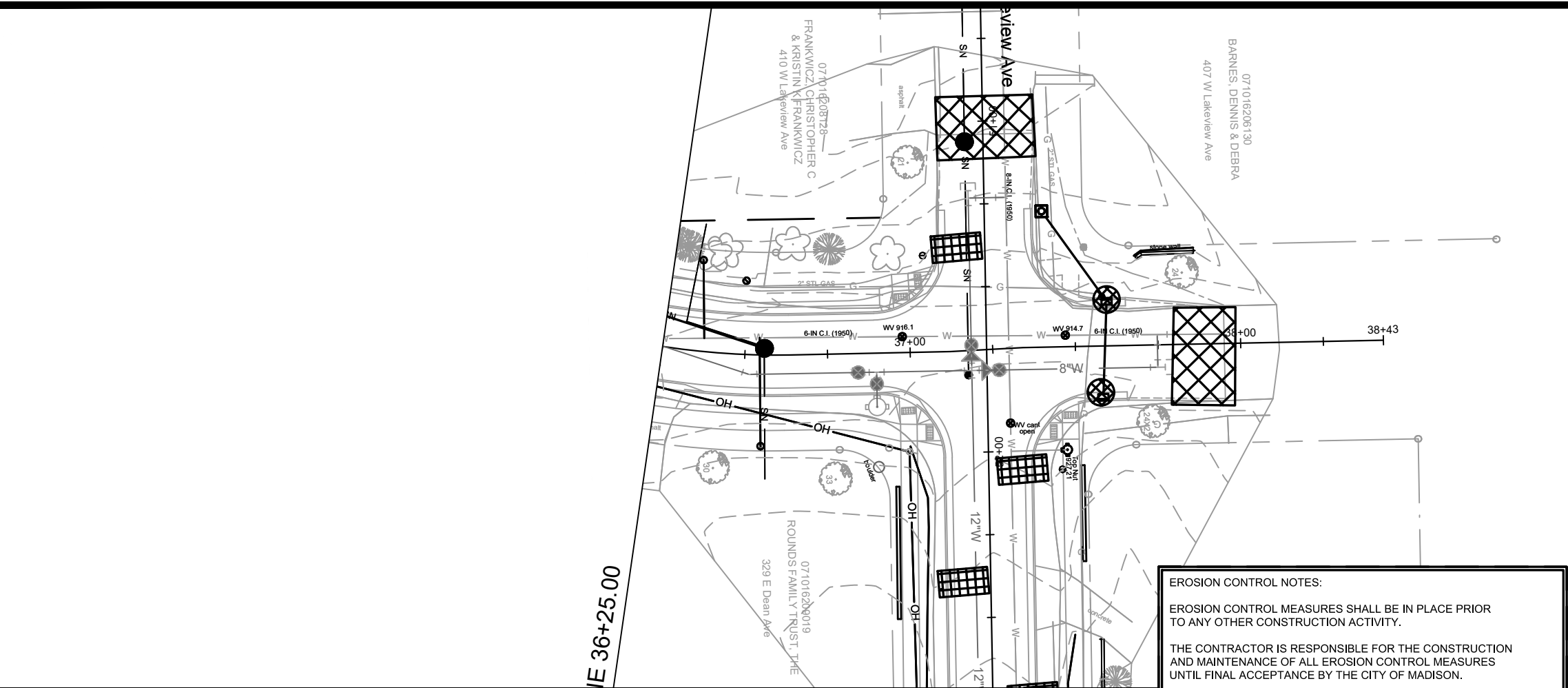
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

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

**INSTALL 20' OF 8" SILT SOCK AT EACH TERRACE INLET FOR EC INLET PROTECTION**







**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.

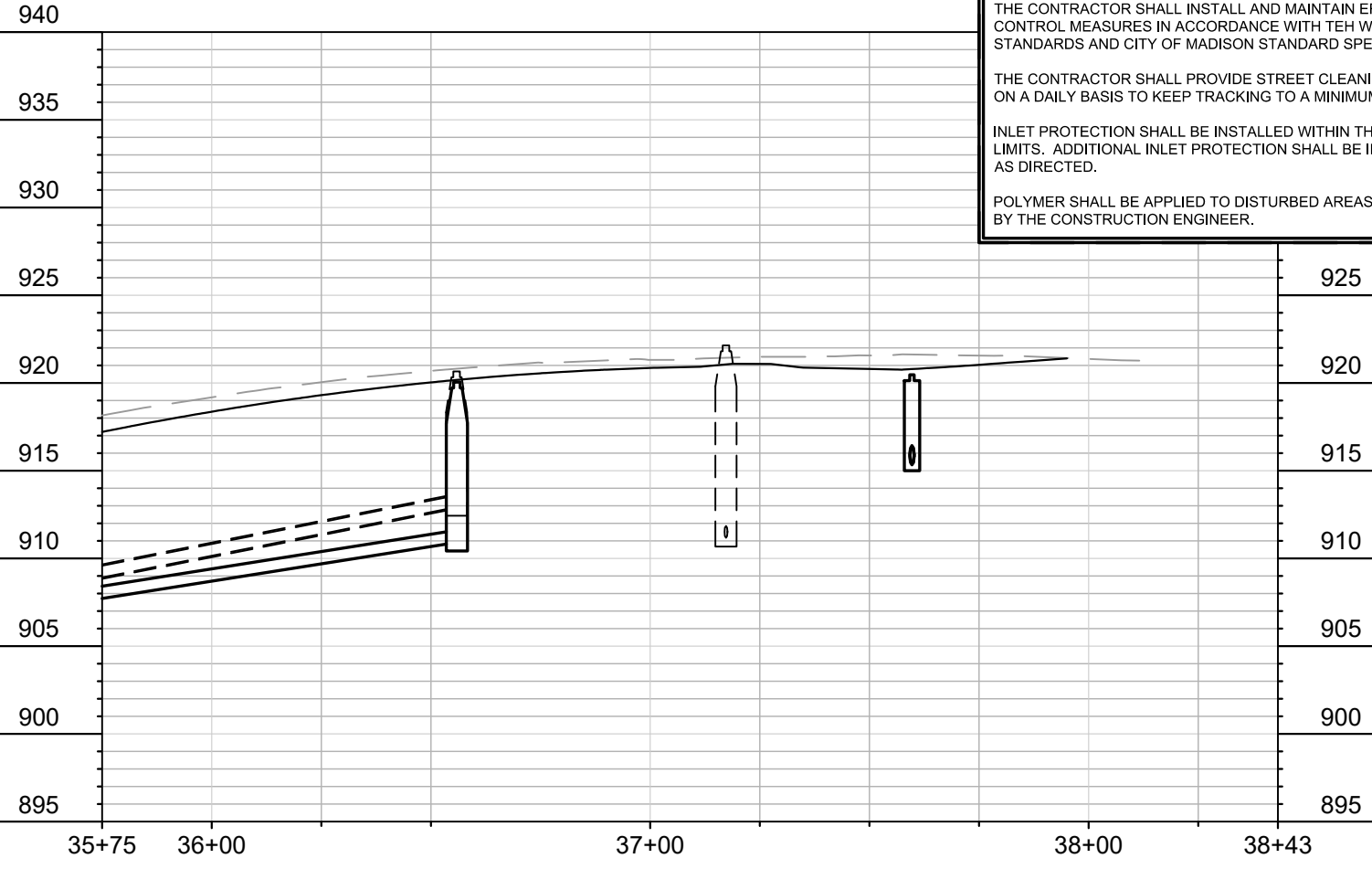
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TEH WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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

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

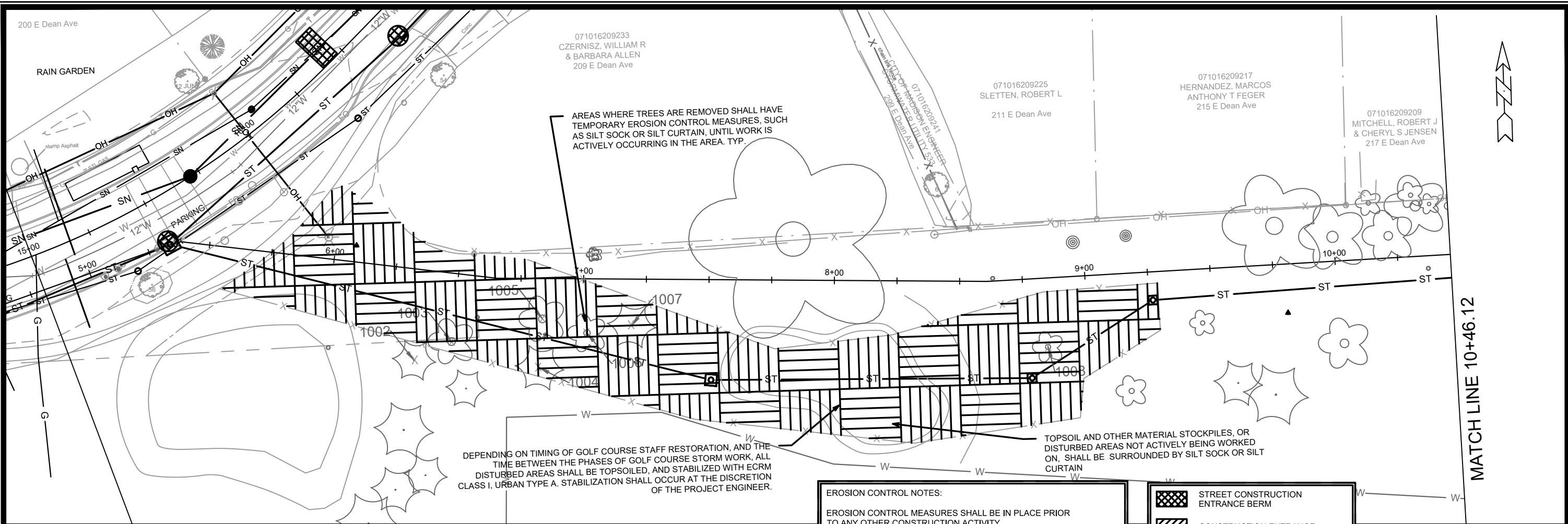


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 MADISON, WI  
 RECONSTRUCT 2021  
 SETH CIR. & TYLER CIR.  
 7838  
 CONTRACT NO:  
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11432  
 EC-8



DEPENDING ON TIMING OF GOLF COURSE STAFF RESTORATION, AND THE TIME BETWEEN THE PHASES OF GOLF COURSE STORM WORK, ALL DISTURBED AREAS SHALL BE TOPSOILED, AND STABILIZED WITH ECRM CLASS I, URBAN TYPE A. STABILIZATION SHALL OCCUR AT THE DISCRETION OF THE PROJECT ENGINEER.

AREAS WHERE TREES ARE REMOVED SHALL HAVE TEMPORARY EROSION CONTROL MEASURES, SUCH AS SILT SOCK OR SILT CURTAIN, UNTIL WORK IS ACTIVELY OCCURRING IN THE AREA. TYP.

TOPSOIL AND OTHER MATERIAL STOCKPILES, OR DISTURBED AREAS NOT ACTIVELY BEING WORKED ON, SHALL BE SURROUNDED BY SILT SOCK OR SILT CURTAIN

**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.

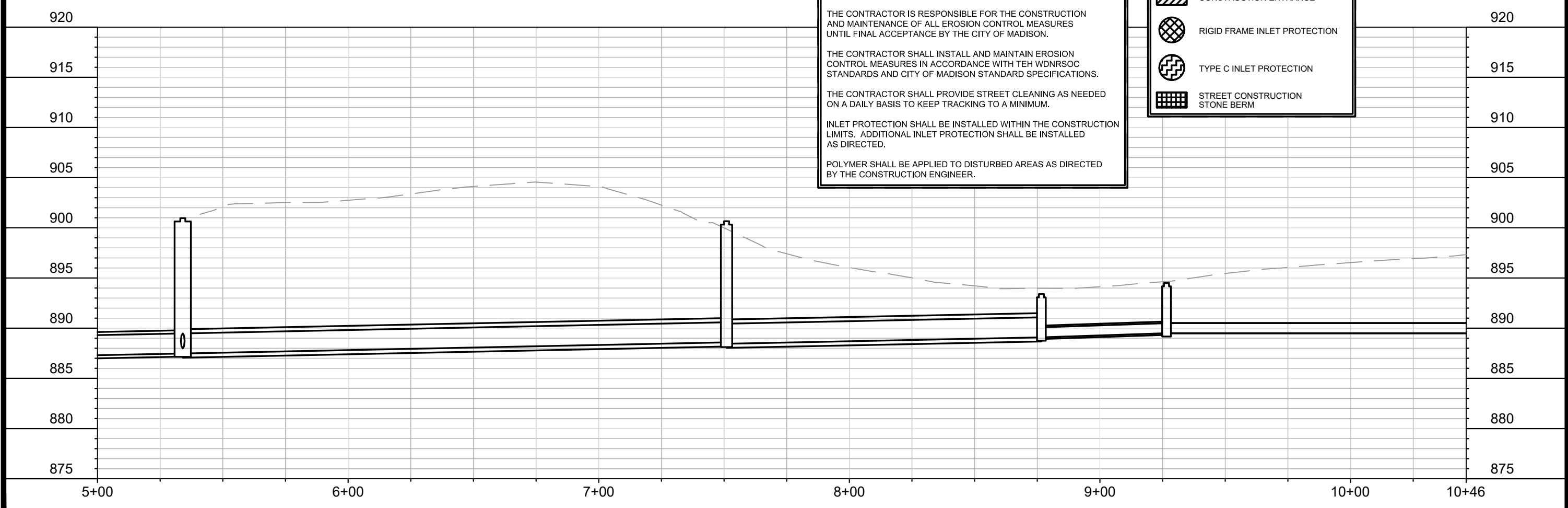
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TEH WDNRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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.

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



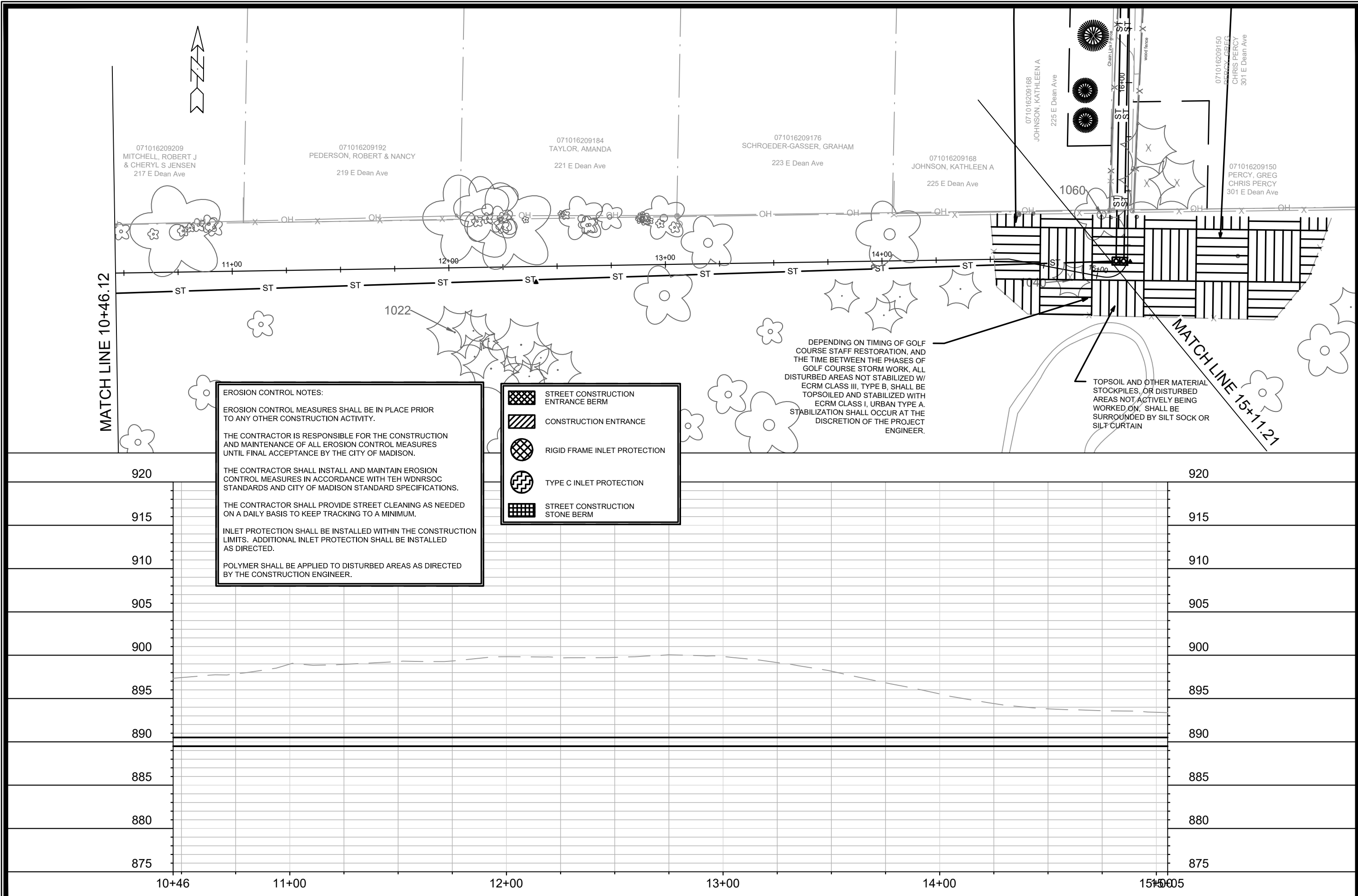
MATCH LINE 10+46.12

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11432  
 EROSION CONTROL - MONONA GOLF COURSE STORM SEWER  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
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 7838  
 CONTRACT NO:



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 EC-9



**EROSION CONTROL NOTES:**

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

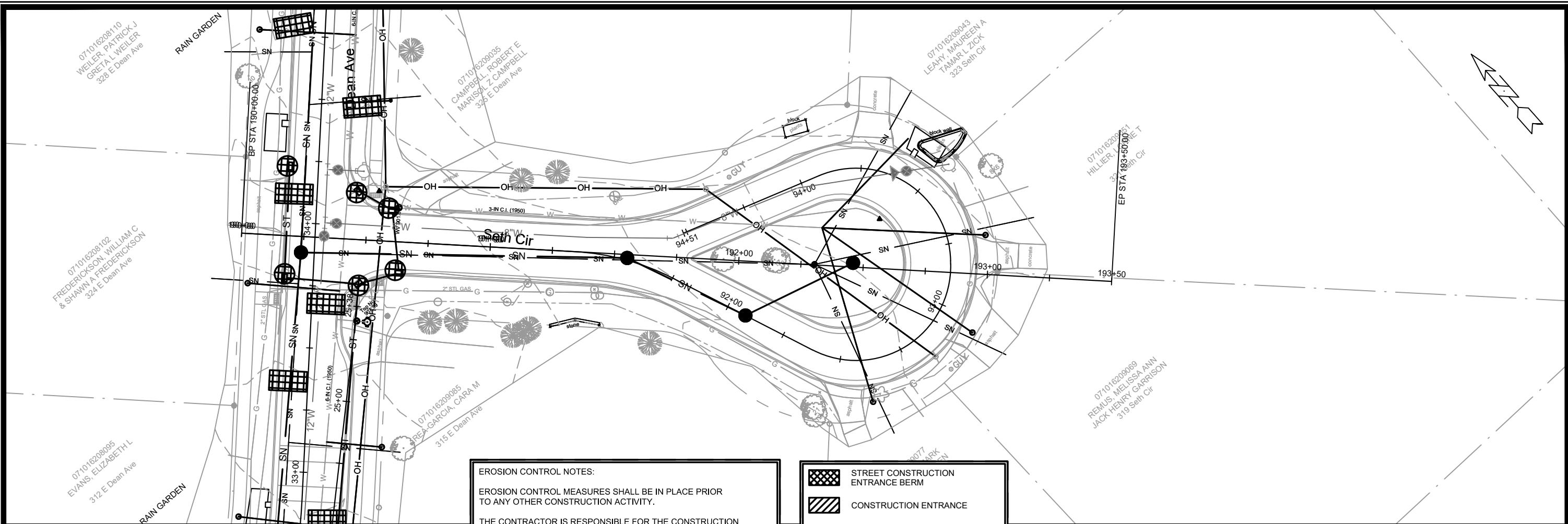
-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  RIGID FRAME INLET PROTECTION
-  TYPE C INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM

DEPENDING ON TIMING OF GOLF COURSE STAFF RESTORATION, AND THE TIME BETWEEN THE PHASES OF GOLF COURSE STORM WORK, ALL DISTURBED AREAS NOT STABILIZED W/ ECRM CLASS III, TYPE B, SHALL BE TOPSOILED AND STABILIZED WITH ECRM CLASS I, URBAN TYPE A. STABILIZATION SHALL OCCUR AT THE DISCRETION OF THE PROJECT ENGINEER.

TOPSOIL AND OTHER MATERIAL STOCKPILES, OR DISTURBED AREAS NOT ACTIVELY BEING WORKED ON, SHALL BE SURROUNDED BY SILT SOCK OR SILT CURTAIN

11432		11432
EROSION CONTROL - MONONA GOLF COURSE STORM SEWER		7838
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021		CONTRACT NO:
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11432		EC-10





**EROSION CONTROL NOTES:**

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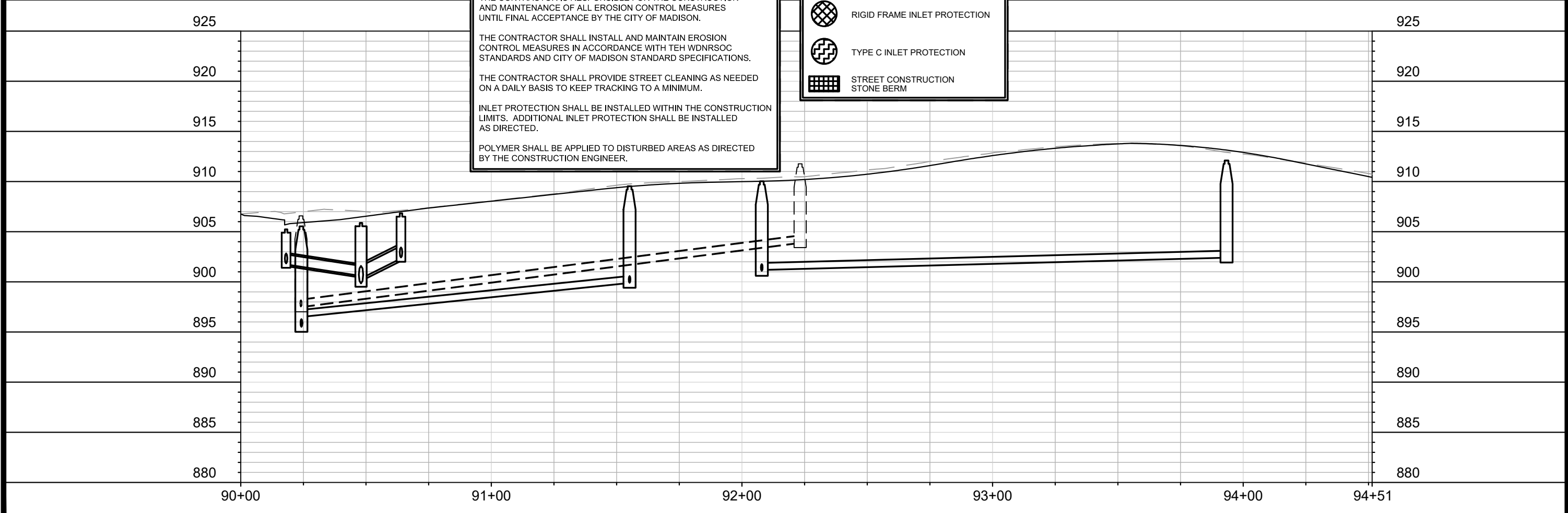
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-  CONSTRUCTION ENTRANCE
-  RIGID FRAME INLET PROTECTION
-  TYPE C INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM



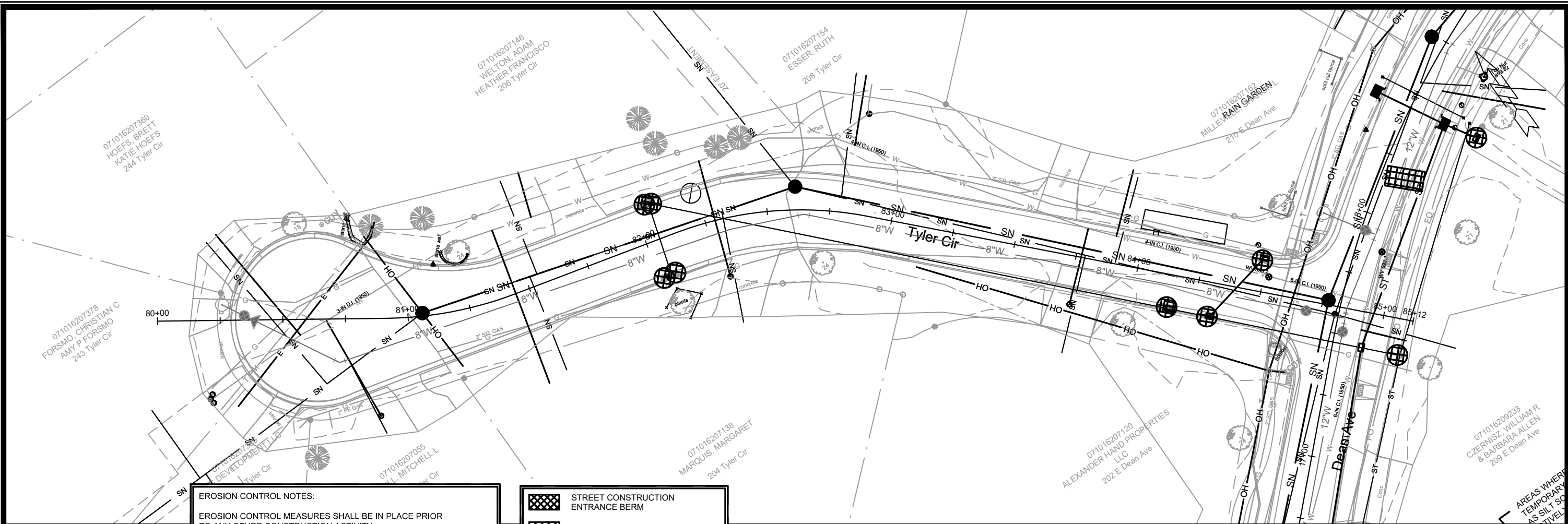
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11432  
 MADISON, WI  
 RECONSTRUCT 2021  
 SETH CIR. & TYLER CIR.  
 CONTRACT NO: 7838



11432  
 EC-12





**EROSION CONTROL NOTES:**

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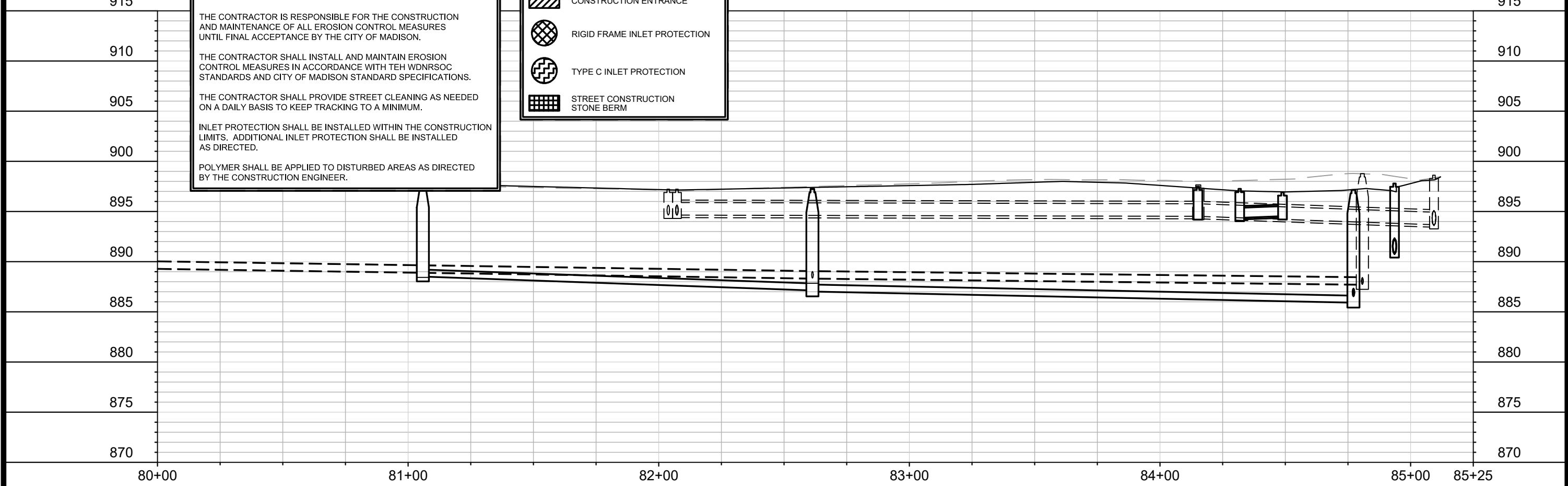
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TEH WDNRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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



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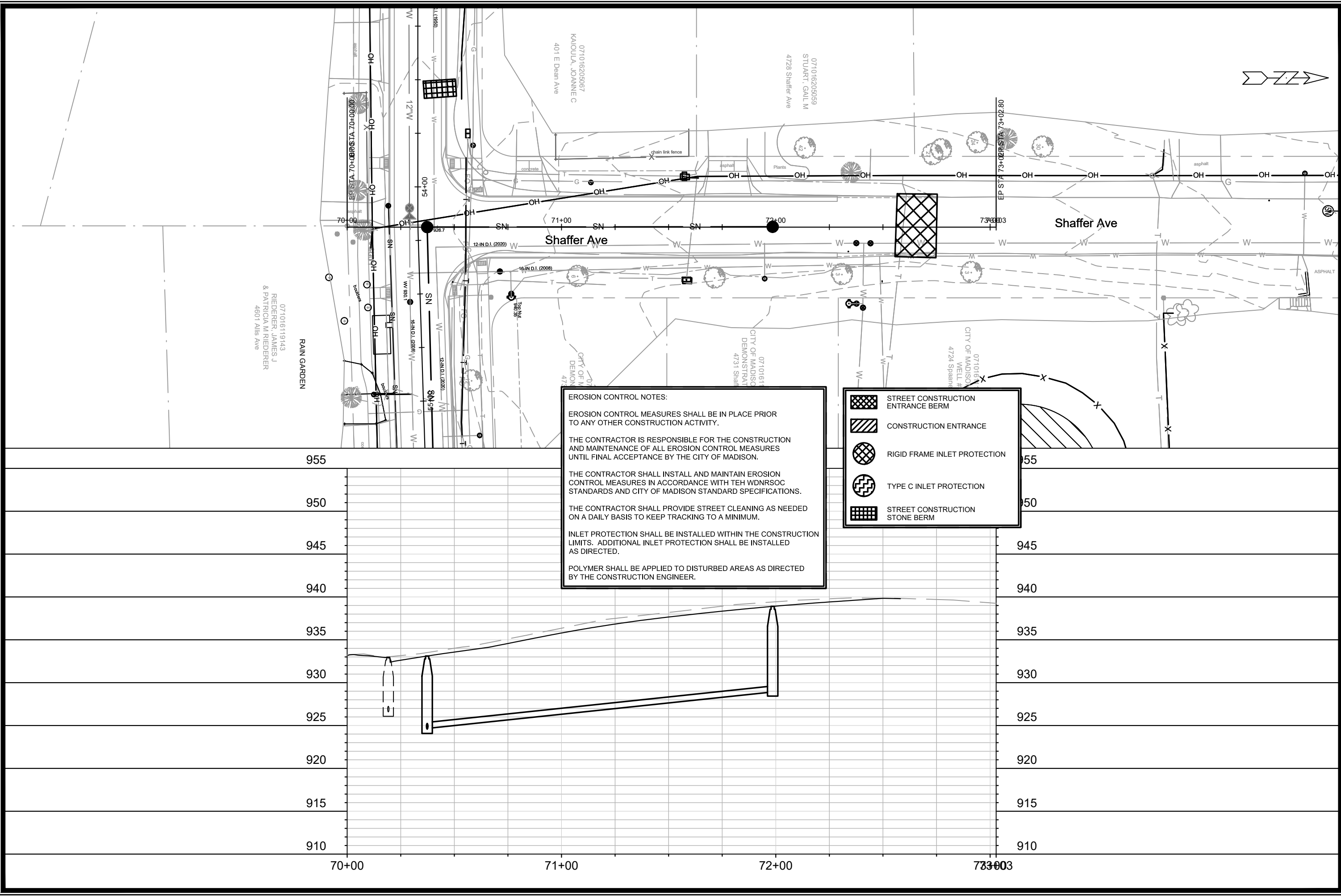
11432  
 MADISON, WI  
 CONTRACT NO: 7838

EROSION CONTROL - TYLER CIR  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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11432  
 EC-13





071016119143  
 RIEDERER, JAMES J  
 & PATRICIA M RIEDERER  
 4601 Allis Ave

**EROSION CONTROL NOTES:**

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

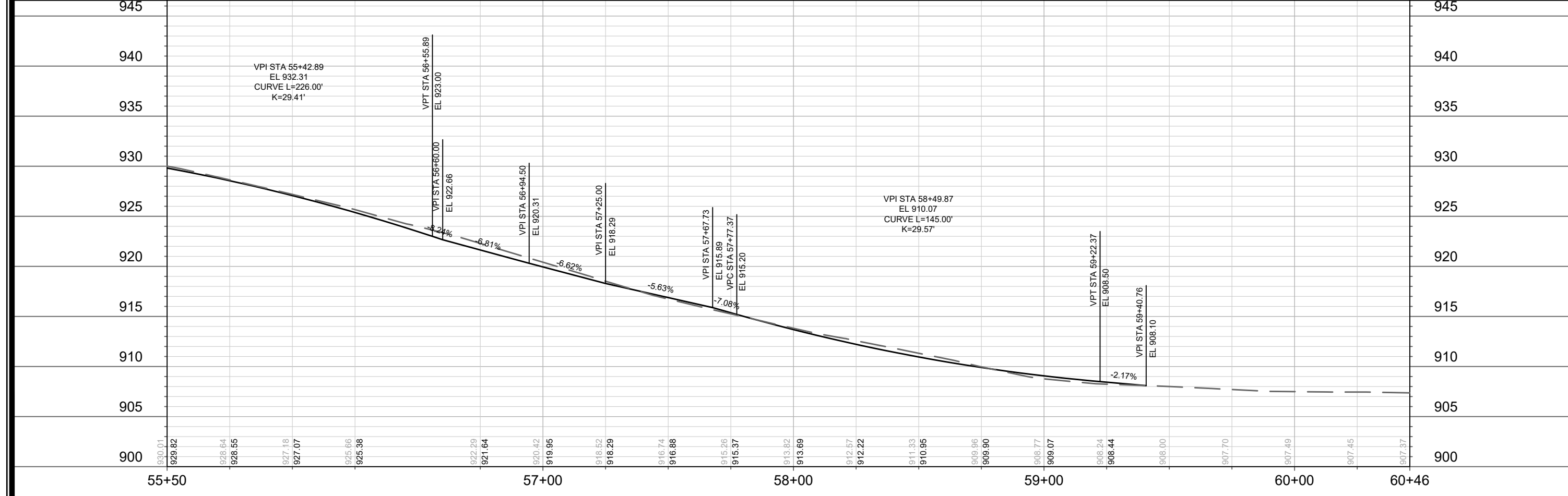
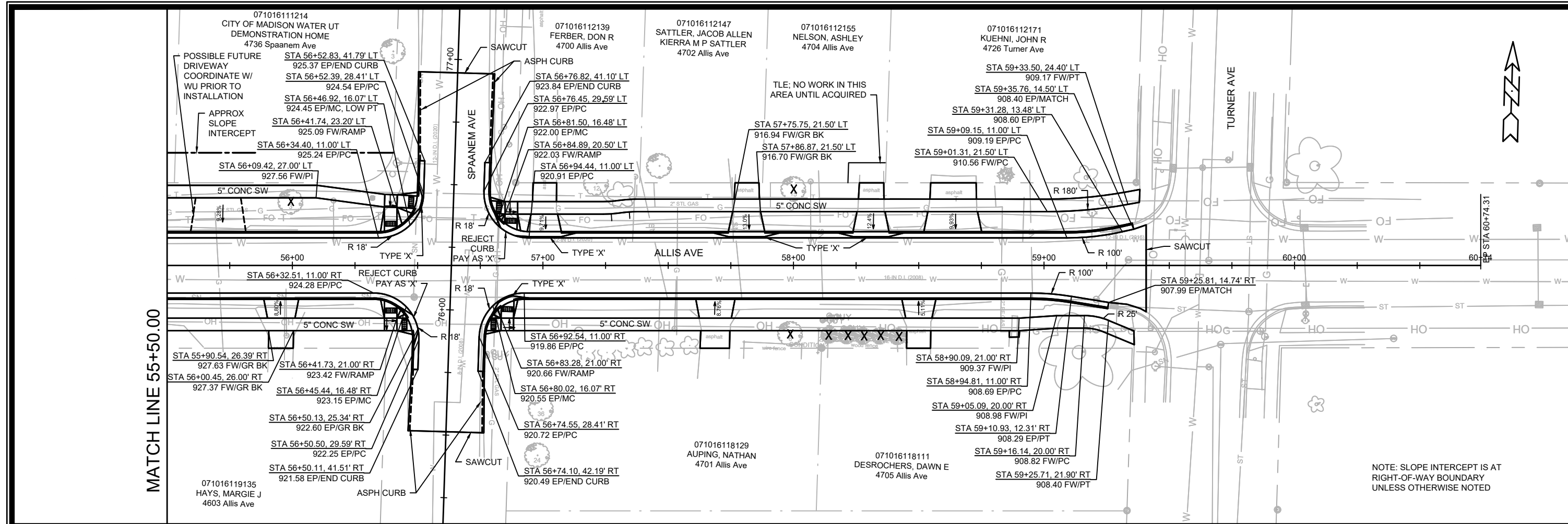
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11432  
 MADISON, WI  
 CONTRACT NO: 7838

EROSION CONTROL - SHAFFER AVE  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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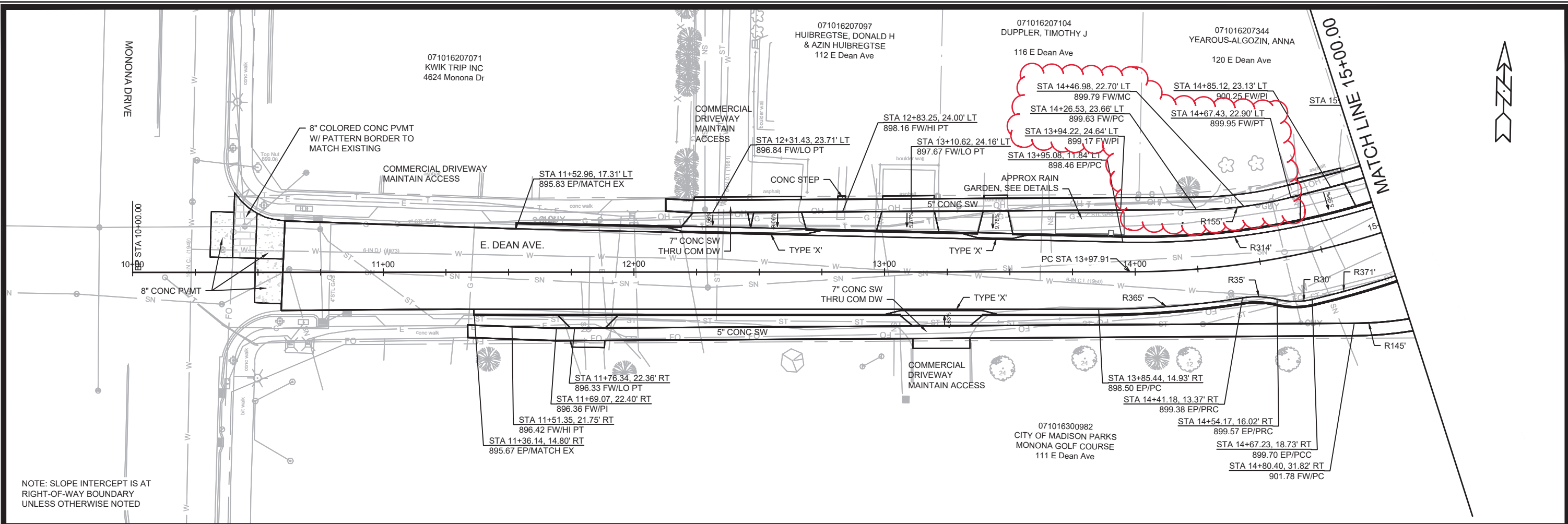
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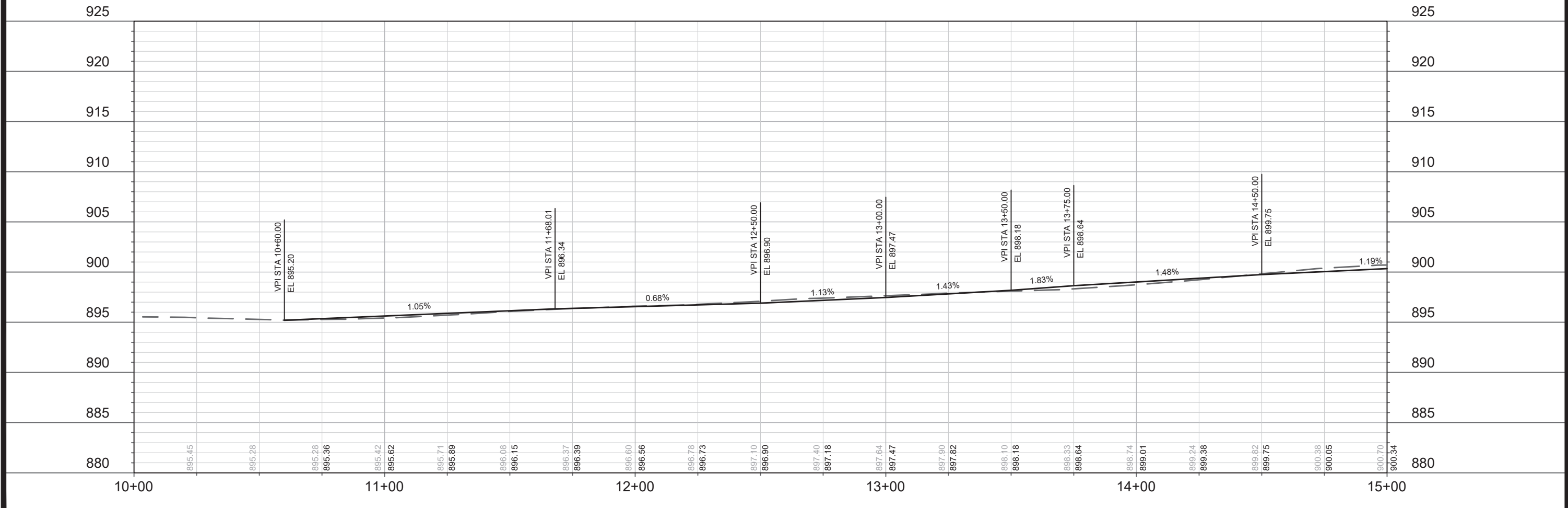
11432  
MADISON, WI  
RECONSTRUCT 2021  
SETH CIR. & TYLER CIR.

11432  
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
MADISON, WI  
CONTRACT NO.: 7838

11432  
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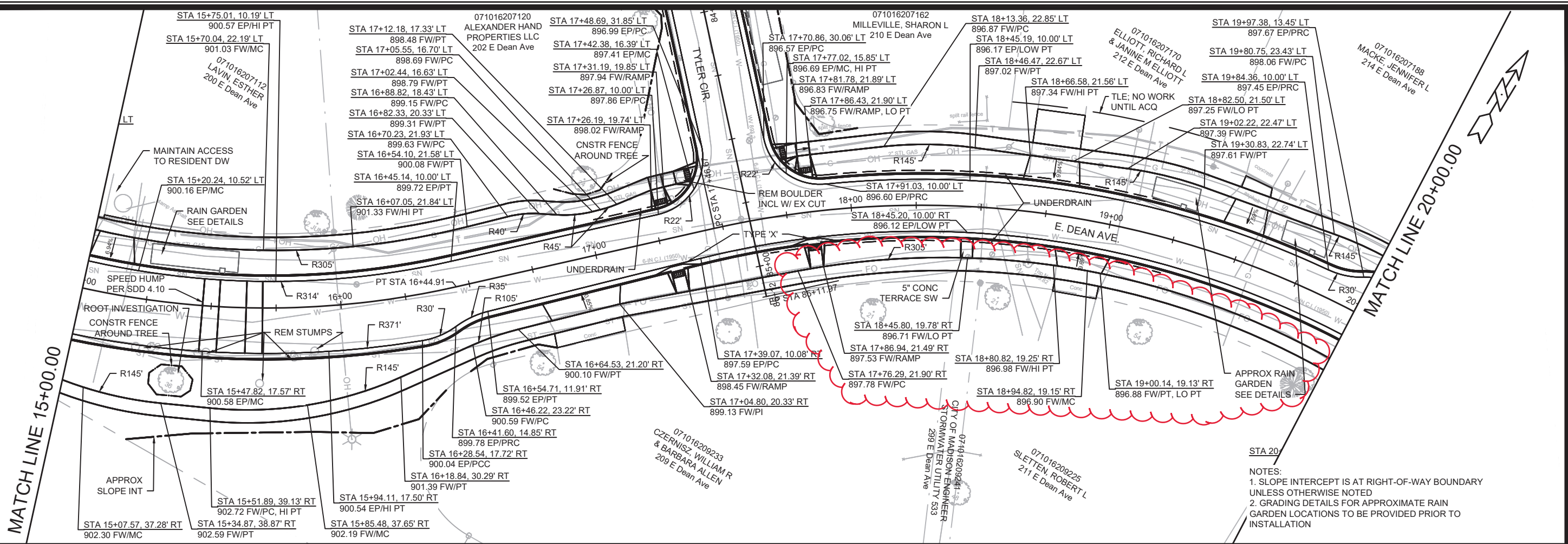
NOTE: SLOPE INTERCEPT IS AT RIGHT-OF-WAY BOUNDARY UNLESS OTHERWISE NOTED



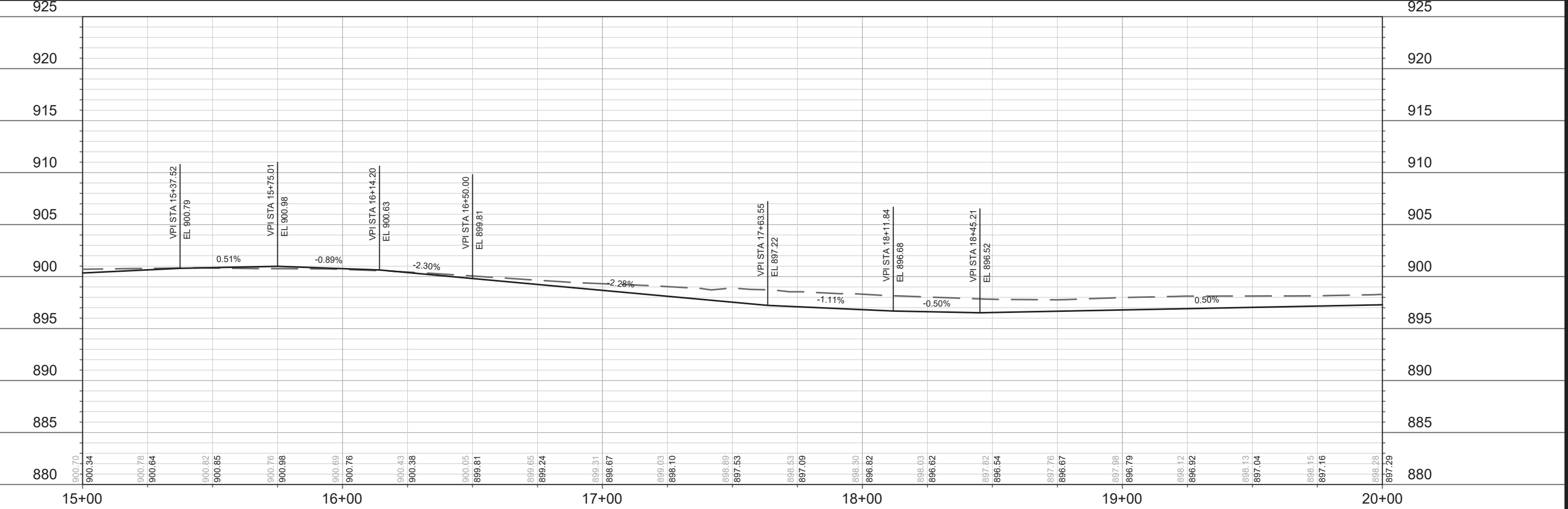
REVISION	DATE	BY
REVISED SIDEWALK & GRADES	9-14-21	JMW
DESIGNED BY: ###	DATE: 9/14/2021 7:44 AM	Scale: #####
11432		P-3

11432  
 E. DEAN AVE. PLAN & PROFILE  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
 CONTRACT NO: 7838  
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NOTES:  
 1. SLOPE INTERCEPT IS AT RIGHT-OF-WAY BOUNDARY UNLESS OTHERWISE NOTED  
 2. GRADING DETAILS FOR APPROXIMATE RAIN GARDEN LOCATIONS TO BE PROVIDED PRIOR TO INSTALLATION



11432	MADISON, WI	7838	CONTRACT NO:
E. DEAN AVE. PLAN & PROFILE			
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021			
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11432		P-4	

071016207196  
SCHIRO, ALISON C  
216 E Dean Ave

071016207203  
CARLEY, JAMIE E  
218 E Dean Ave

071016207211  
KORTSCH, OMA L  
220 E Dean Ave

071016207229  
LUND, JEROME C  
& PATRICIA HAFEMANN-LUND  
222 E Dean Ave

071016207237  
HOVERSON, JACQUELINE  
224 E Dean Ave

STA 20+04.38, 24.13' LT  
898.69 FW/PT  
STA 20+07.48, 16.06' LT  
897.84 EP/PT

STA 21+76.38, 24.00' LT  
900.52 FW/LO PT  
STA 21+50.09, 24.00' LT  
900.68 FW/LO PT

STA 22+55.34, 24.00' LT  
900.96 FW/LO PT  
STA 22+60.00, 16.00' LT  
900.10 EP/LO PT

STA 23+68.74, 23.01' LT  
899.48 FW/PC  
STA 23+65.09, 23.54' LT  
899.51 FW/PT  
STA 23+58.66, 24.00' LT  
899.56 FW/PC  
STA 23+59.65, 16.00' LT  
898.82 EP/PC

STA 23+69.14, 13.60' LT  
898.70 EP/PC  
STA 23+75.88, 22.50' LT  
899.41 FW/PT  
STA 23+83.39, 10.00' LT  
898.53 EP/PT

STA 24+31.69, 22.50' LT  
898.66 FW/LO PT  
STA 24+60.11, 22.50' LT  
898.78 FW/LO PT

STA 20+71.99, 22.50' RT  
898.03 FW/PT  
STA 20+12.99, 25.68' RT  
897.58 FW/PT

STA 22+15.29, 22.50' RT  
899.47 FW/LO PT

STA 22+60.00, 10.00' RT  
899.06 EP/LO PT  
STA 22+36.04, 22.50' RT  
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STA 23+06.73, 22.50' RT  
899.71 FW/LO PT

STA 25+34.06, 22.50' RT  
897.56 FW/LO PT

071016209217  
HERNANDEZ, MARCOS  
ANTHONY T FEGER  
215 E Dean Ave

071016209209  
MITCHELL, ROBERT J  
& CHERYL S JENSEN  
217 E Dean Ave

071016209192  
PEDERSON, ROBERT & NANCY  
219 E Dean Ave

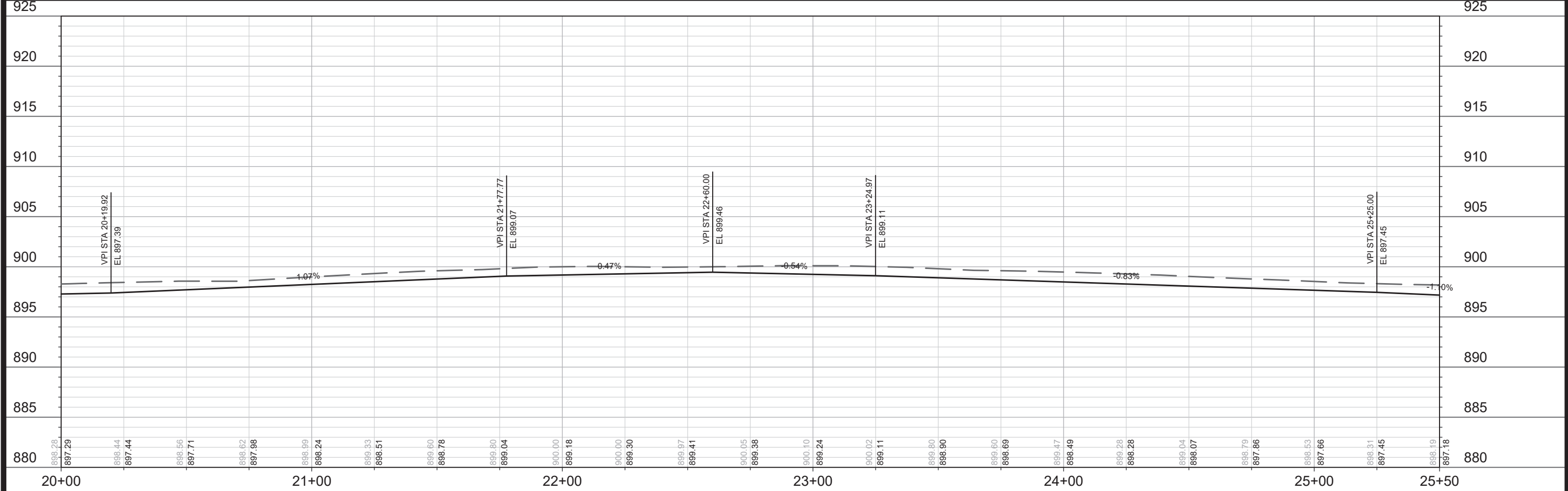
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TAYLOR, AMANDA  
221 E Dean Ave

071016209176  
SCHROEDER-GASSER, GRAHAM  
223 E Dean Ave

NOTES:  
1. SLOPE INTERCEPT IS AT RIGHT-OF-WAY BOUNDARY  
UNLESS OTHERWISE NOTED  
2. GRADING DETAILS FOR APPROXIMATE RAIN  
GARDEN LOCATIONS TO BE PROVIDED PRIOR TO  
INSTALLATION

MATCH LINE 20+00.00

MATCH LINE 25+50.00



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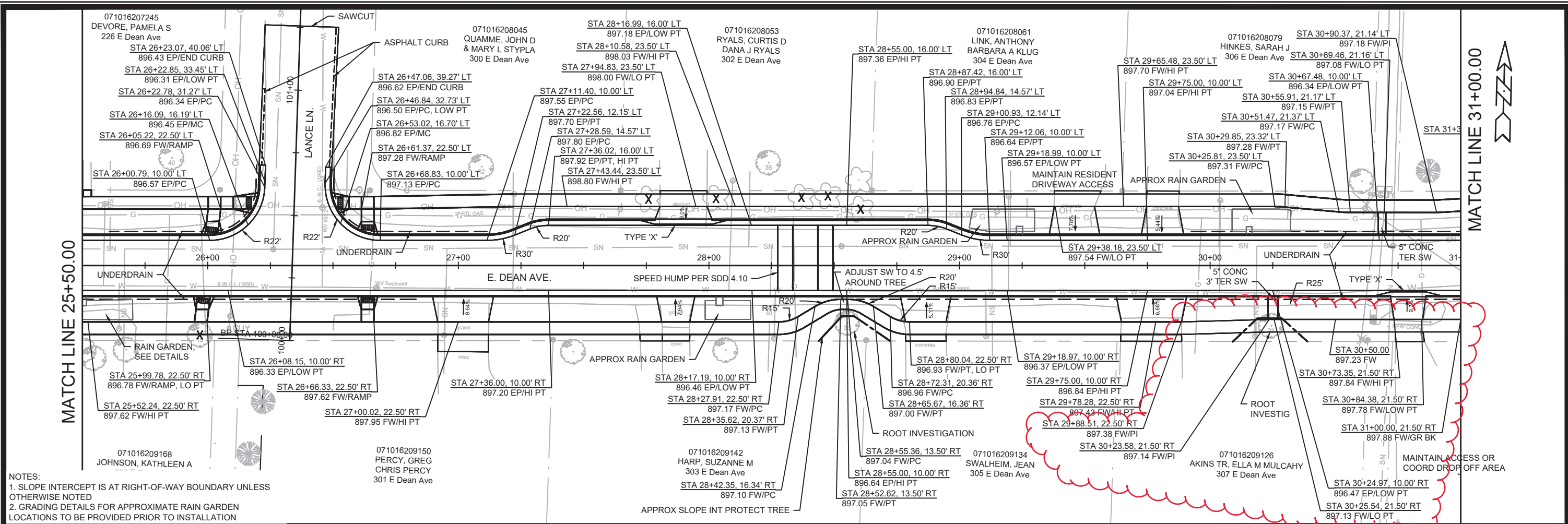
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E. DEAN AVE. PLAN & PROFILE  
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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MADISON, WI  
CONTRACT NO.: 7838



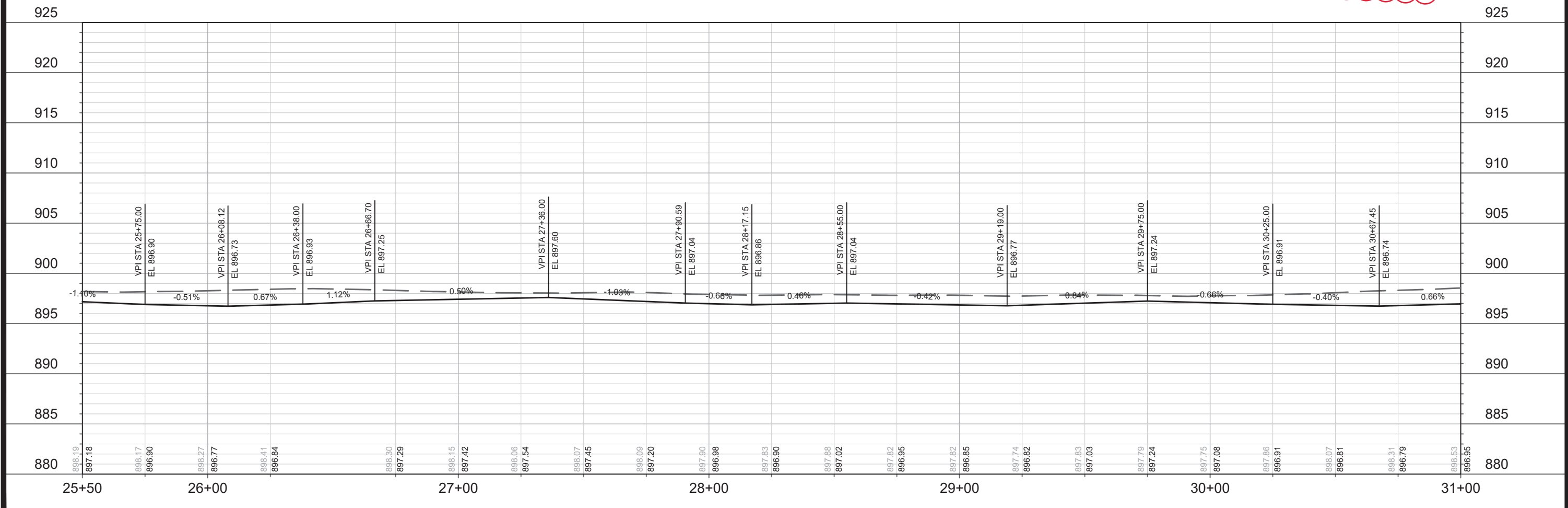
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P-5

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NOTES:  
 1. SLOPE INTERCEPT IS AT RIGHT-OF-WAY BOUNDARY UNLESS OTHERWISE NOTED  
 2. GRADING DETAILS FOR APPROXIMATE RAIN GARDEN LOCATIONS TO BE PROVIDED PRIOR TO INSTALLATION



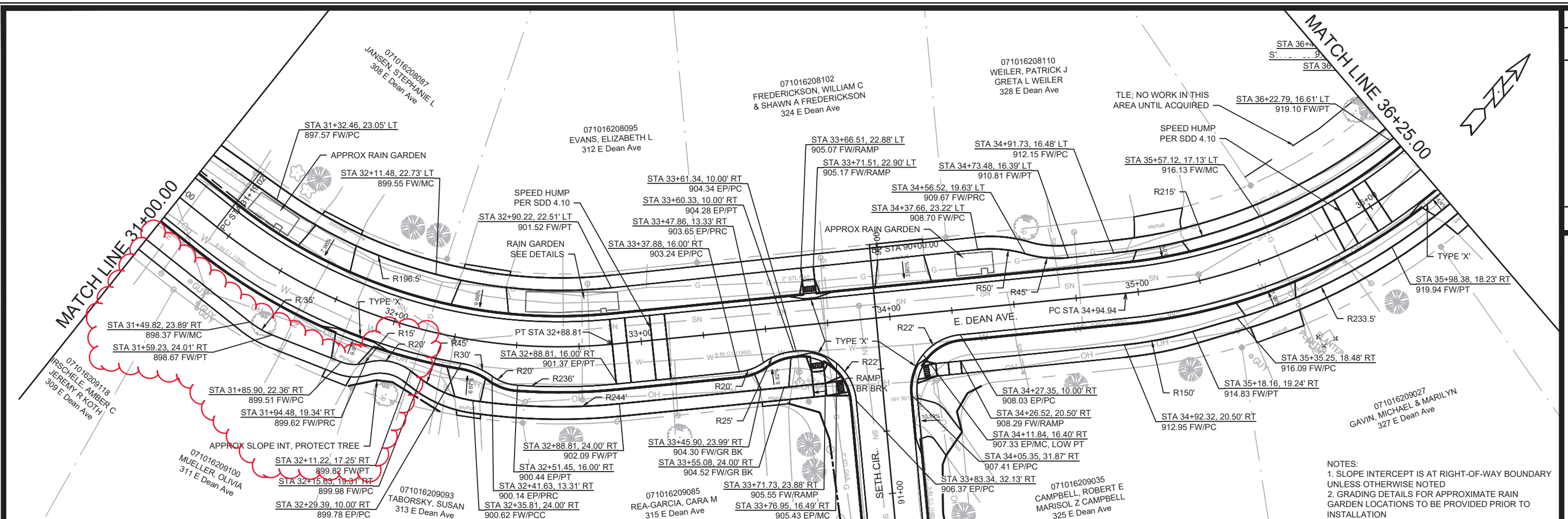
MATCH LINE 31+00.00

MATCH LINE 25+50.00

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 MADISON, WI  
 RECONSTRUCT 2021  
 SETH CIR. & TYLER CIR.  
 CONTRACT NO: 7838





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11432  
MADISON, WI  
RECONSTRUCT 2021  
SETH CIR. & TYLER CIR.

7838  
CONTRACT NO:

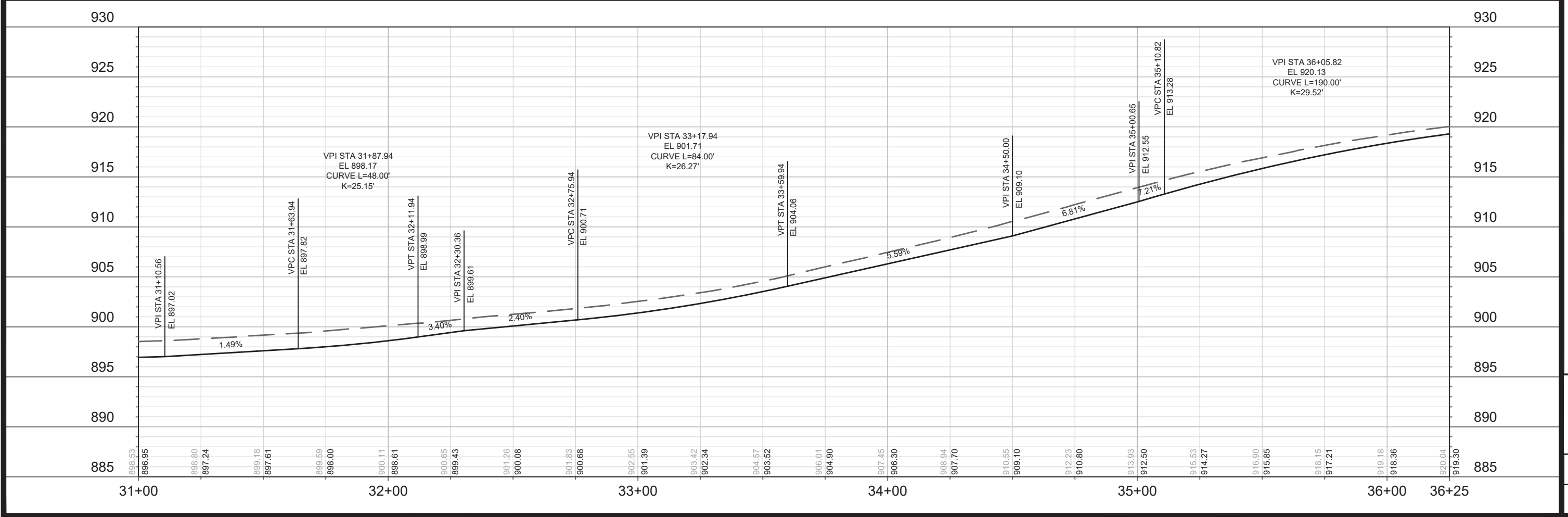
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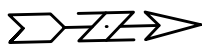
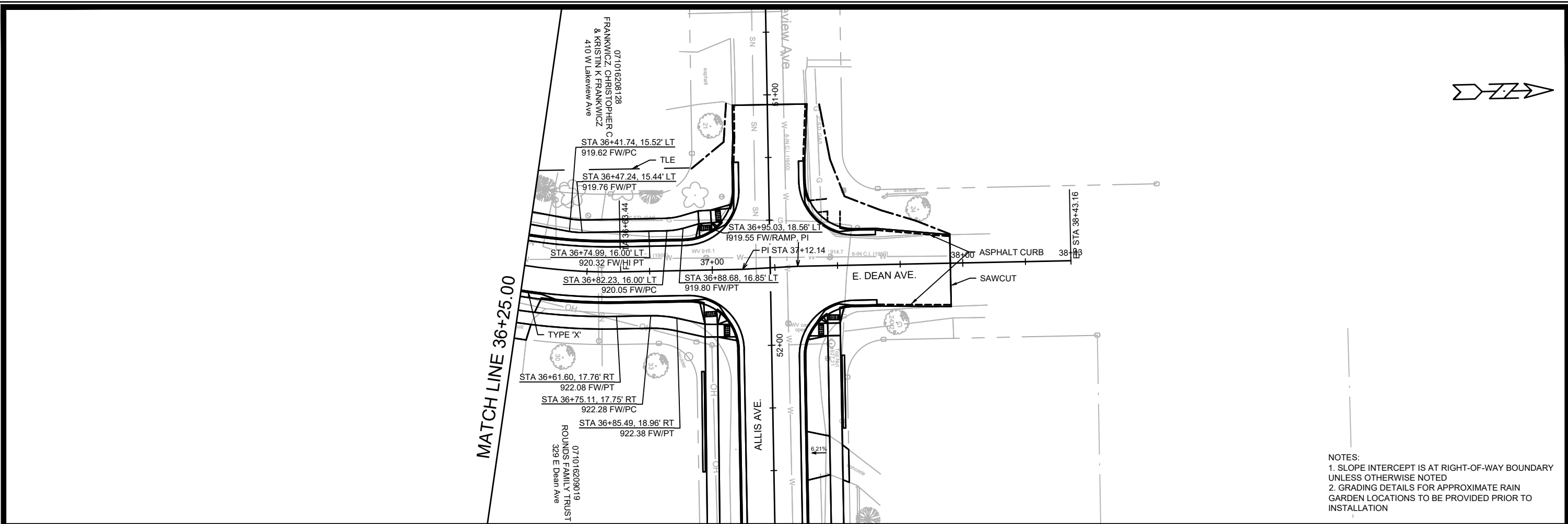
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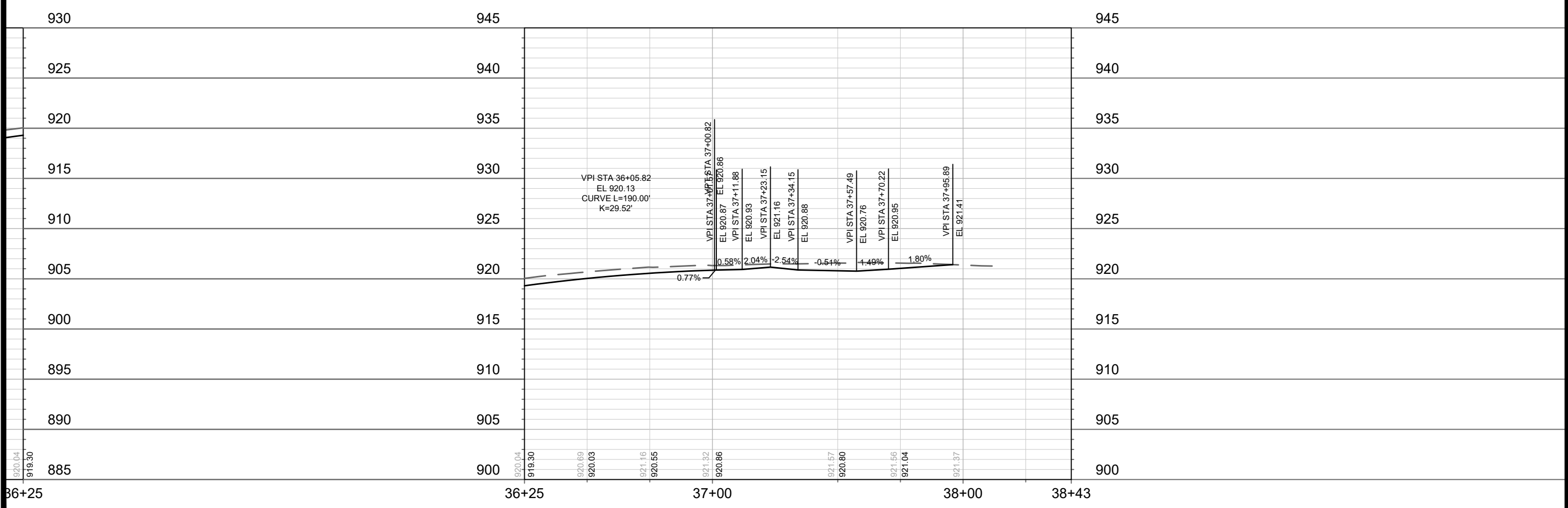


11432  
P-7





NOTES:  
 1. SLOPE INTERCEPT IS AT RIGHT-OF-WAY BOUNDARY UNLESS OTHERWISE NOTED  
 2. GRADING DETAILS FOR APPROXIMATE RAIN GARDEN LOCATIONS TO BE PROVIDED PRIOR TO INSTALLATION



DATE	BY
REVISION	
Designed By: ###	Date: 4/13/2021 4:47 PM
11432	Scale: #####
11432	P-8

11432  
 MADISON, WI  
 RECONSTRUCT 2021  
 SETH CIR. & TYLER CIR.  
 CONTRACT NO: 7838



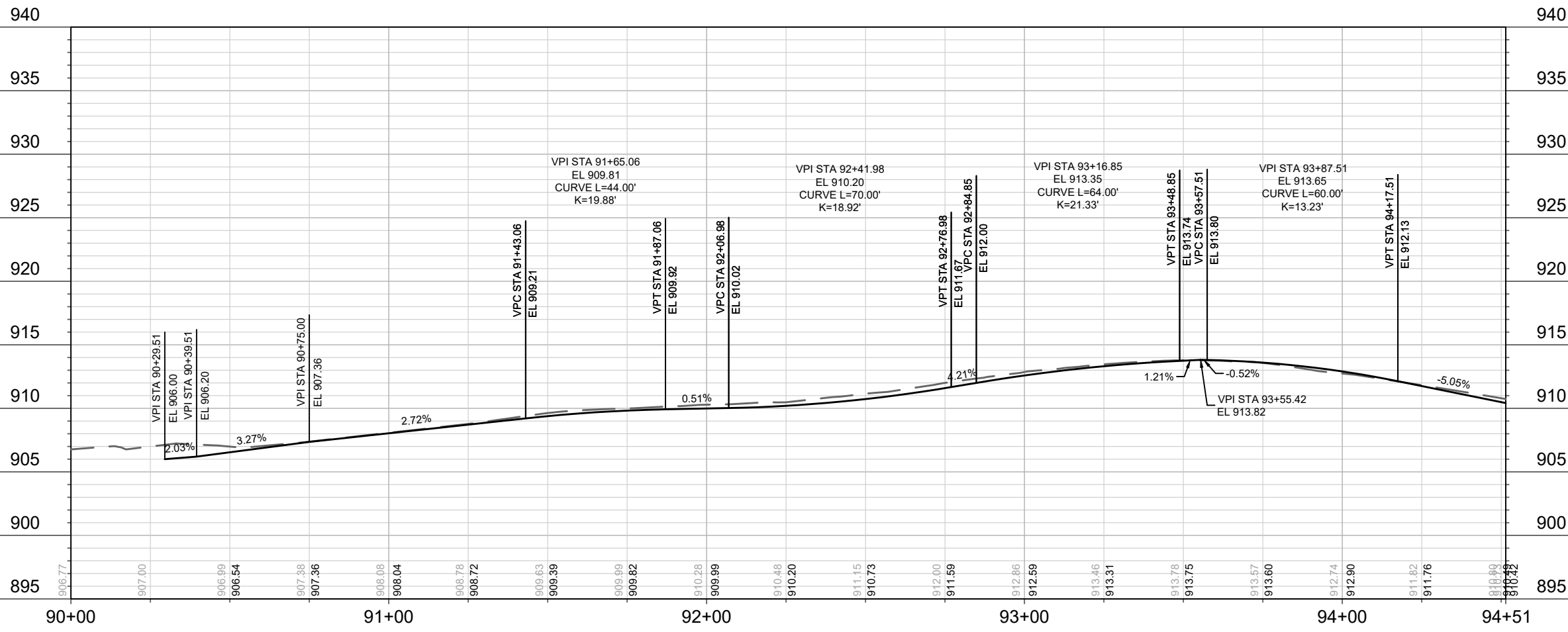
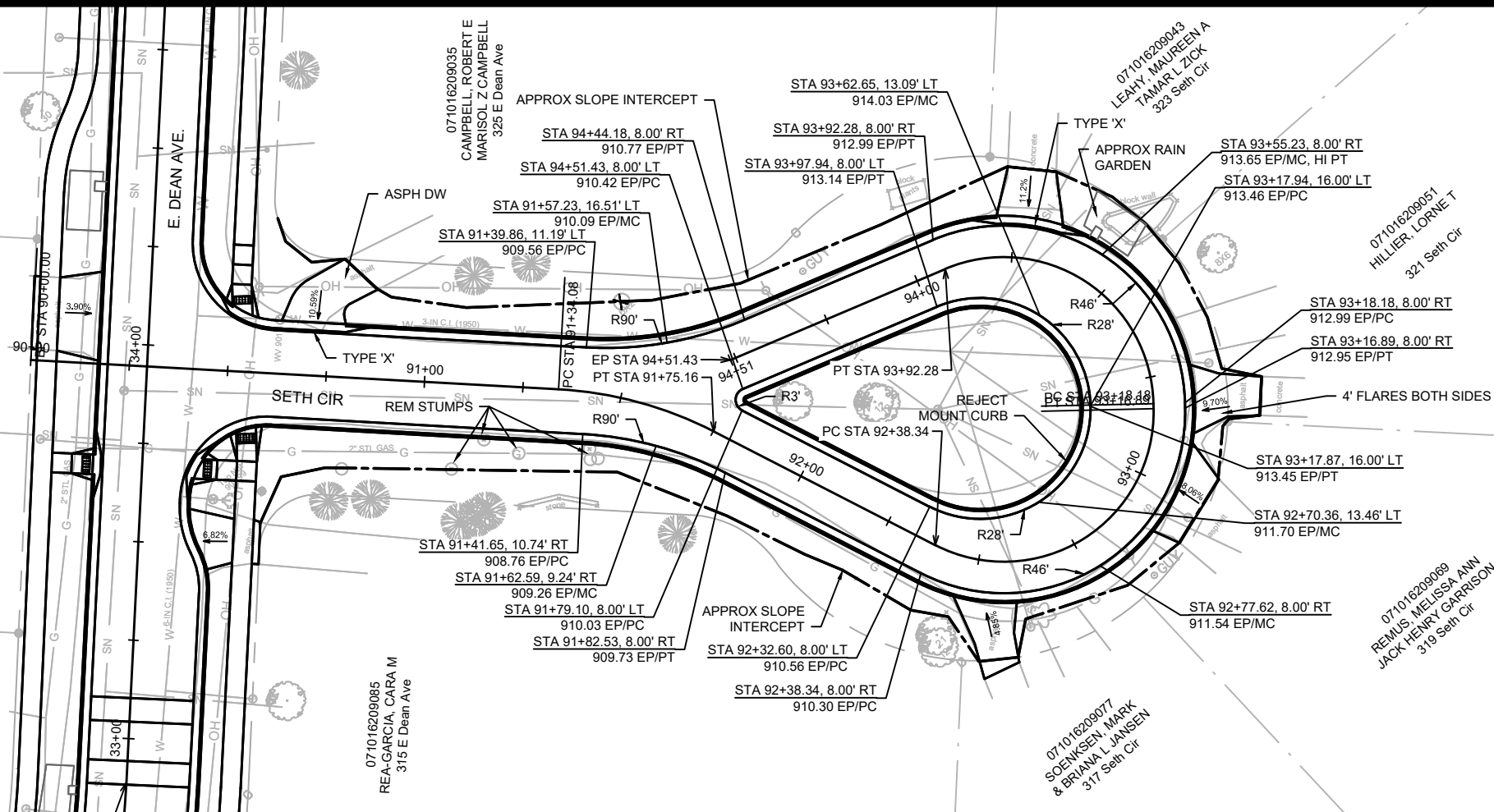
11432  
 P-8

NOTES:  
 1. SLOPE INTERCEPT IS AT RIGHT-OF-WAY BOUNDARY UNLESS OTHERWISE NOTED  
 2. GRADING DETAILS FOR APPROXIMATE RAIN GARDEN LOCATIONS TO BE PROVIDED PRIOR TO INSTALLATION

071016208095  
 EVANS, ELIZABETH L  
 312 E Dean Ave

071016208102  
 FREDERICKSON, WILLIAM C  
 & SHAWN A FREDERICKSON  
 324 E Dean Ave

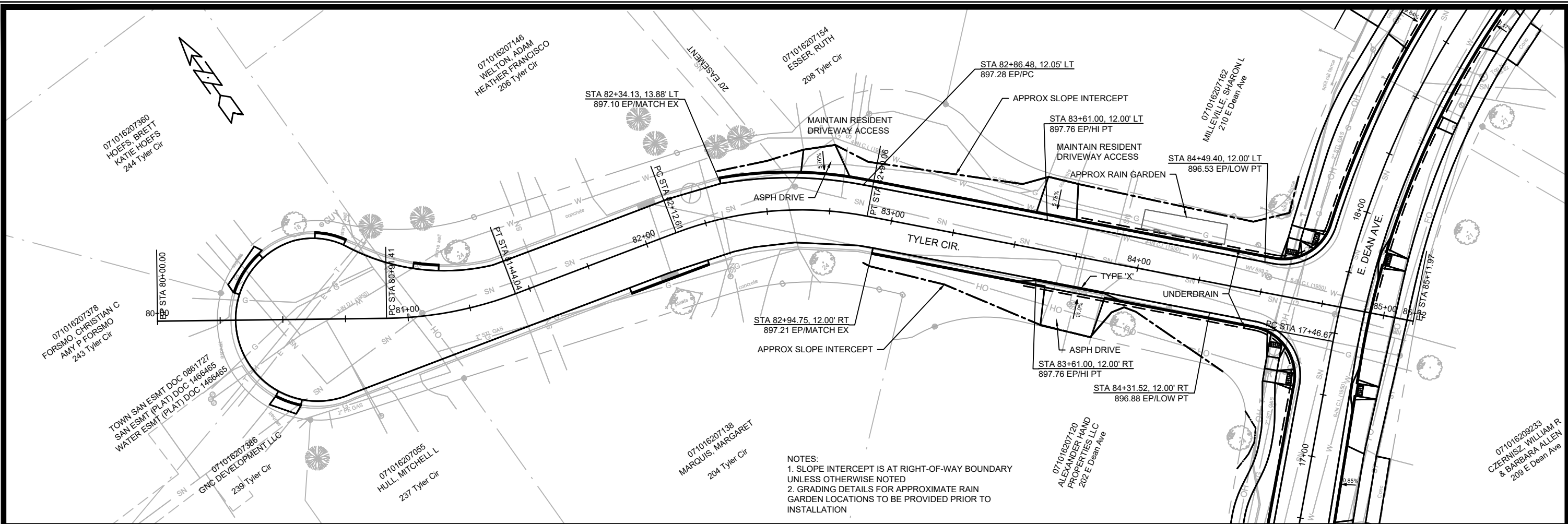
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 WEILER, PATRICK J  
 GRETA L WEILER  
 328 E Dean Ave



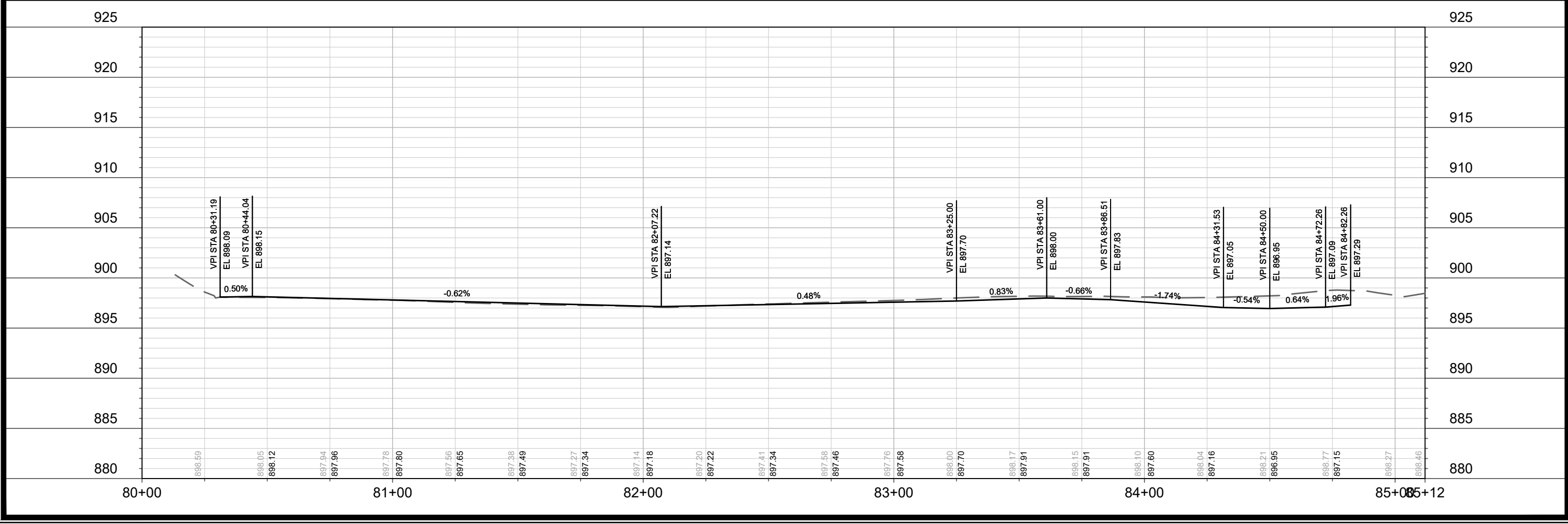
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11432  
 MADISON, WI  
 7838

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 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 CONTRACT NO: 11432  
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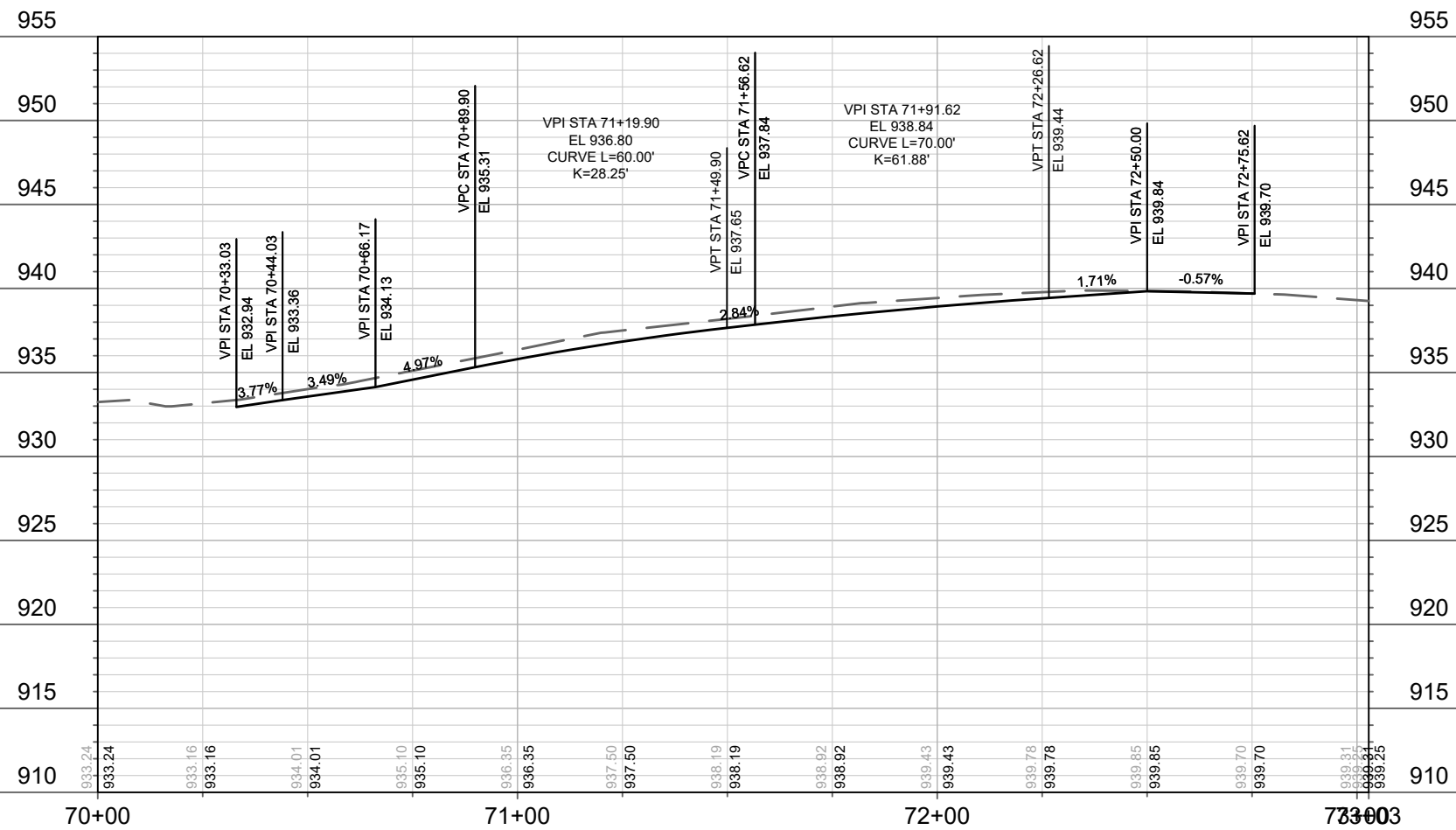
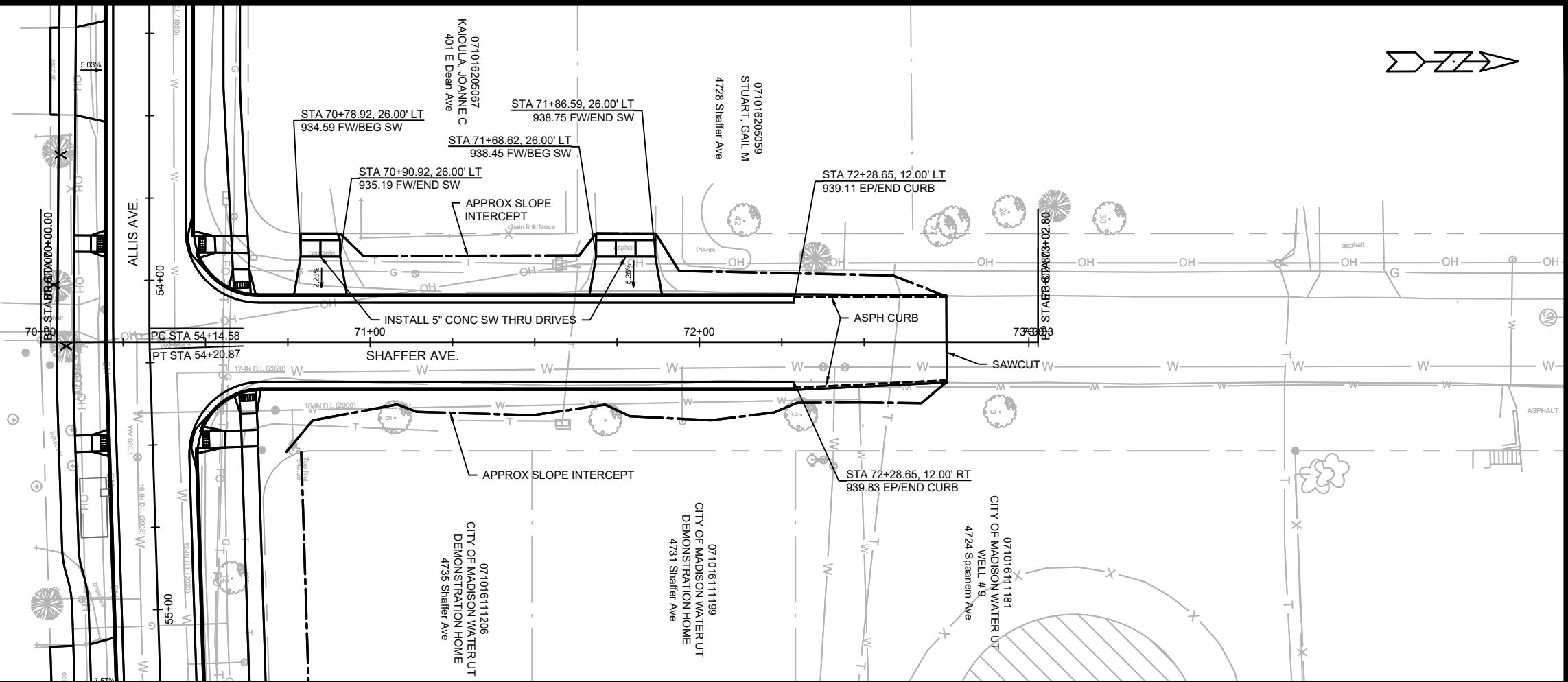
NOTES:  
 1. SLOPE INTERCEPT IS AT RIGHT-OF-WAY BOUNDARY UNLESS OTHERWISE NOTED  
 2. GRADING DETAILS FOR APPROXIMATE RAIN GARDEN LOCATIONS TO BE PROVIDED PRIOR TO INSTALLATION



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TYLER CIR. PLAN & PROFILE	TYLER CIR. PLAN & PROFILE	TYLER CIR. PLAN & PROFILE	TYLER CIR. PLAN & PROFILE
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P-10	P-10	P-10	P-10
7838	7838	7838	7838
CONTRACT NO:	CONTRACT NO:	CONTRACT NO:	CONTRACT NO:
MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI
DATE	DATE	DATE	DATE
BY	BY	BY	BY
REVISION	REVISION	REVISION	REVISION
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Designed By: ###	Designed By: ###	Designed By: ###	Designed By: ###
Date: 4/13/2021 4:47 PM	Date: 4/13/2021 4:47 PM	Date: 4/13/2021 4:47 PM	Date: 4/13/2021 4:47 PM

NOTES:  
 1. SLOPE INTERCEPT IS AT RIGHT-OF-WAY BOUNDARY UNLESS OTHERWISE NOTED  
 2. GRADING DETAILS FOR APPROXIMATE RAIN GARDEN LOCATIONS TO BE PROVIDED PRIOR TO INSTALLATION

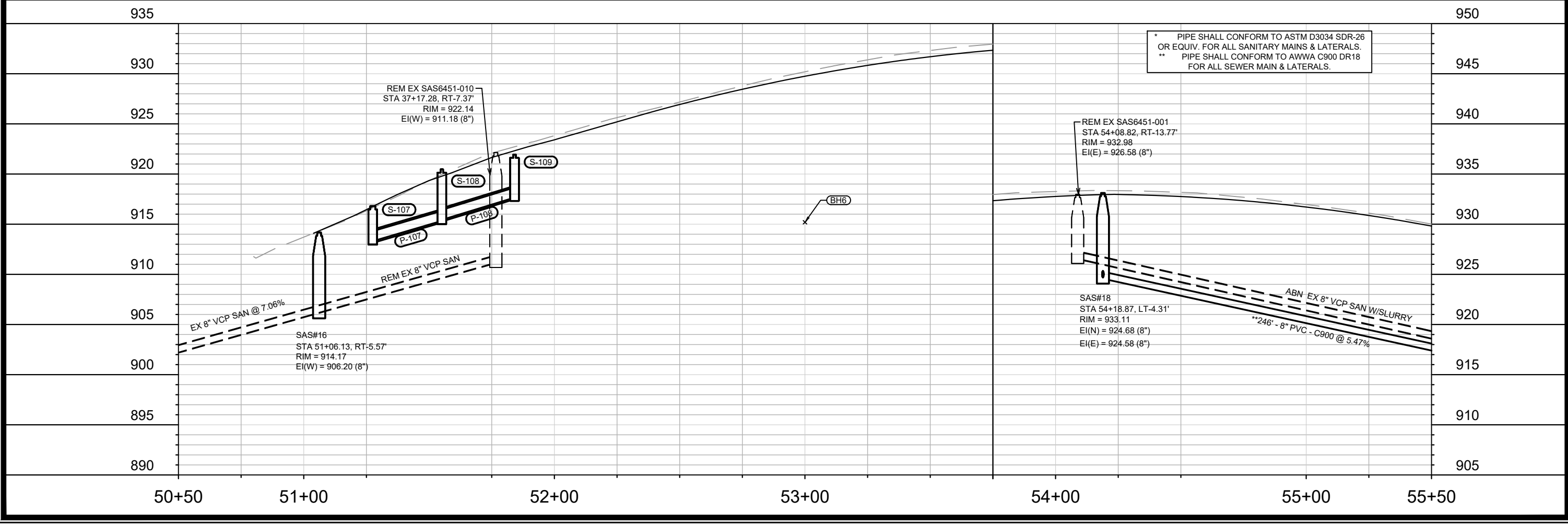
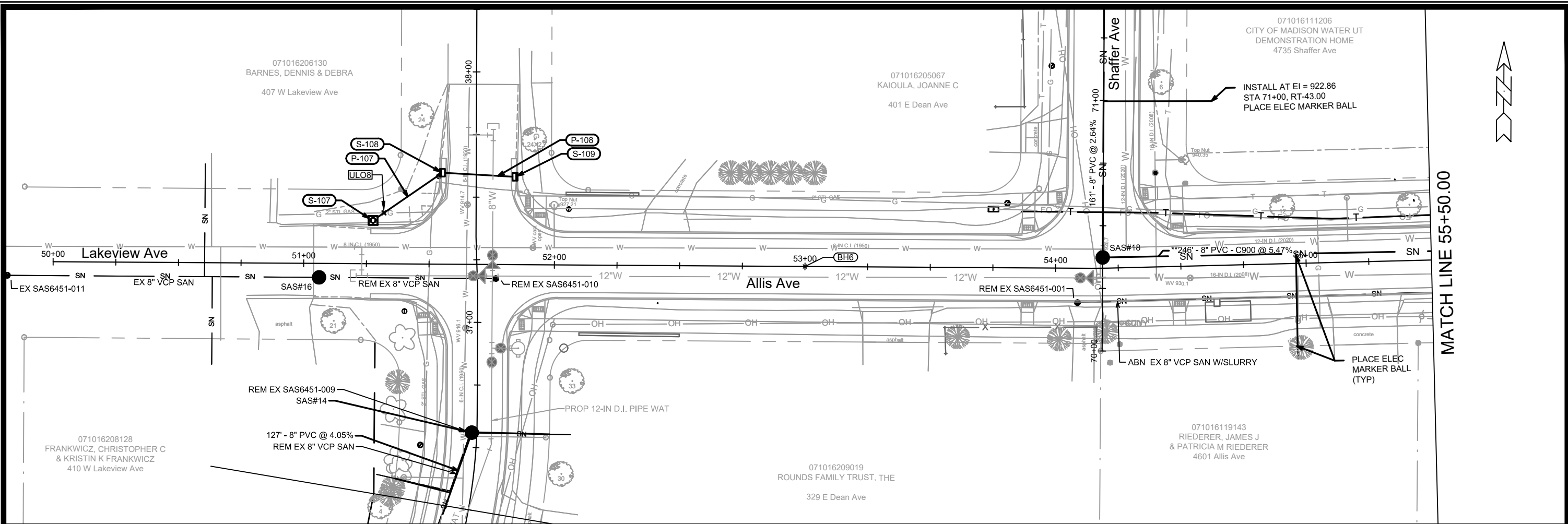
071016119143  
 RIEDERER, JAMES J  
 & PATRICIA M RIEDERER  
 4601 Allis Ave



DATE	BY
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Designed By: ###	11432
Date: 4/13/2021 4:47 PM	
	P-11

11432  
 MADISON, WI  
 CONTRACT NO: 7838  
 SHAFER AVE. PLAN & PROFILE  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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 P-11



MARK	REVISION	DATE	BY

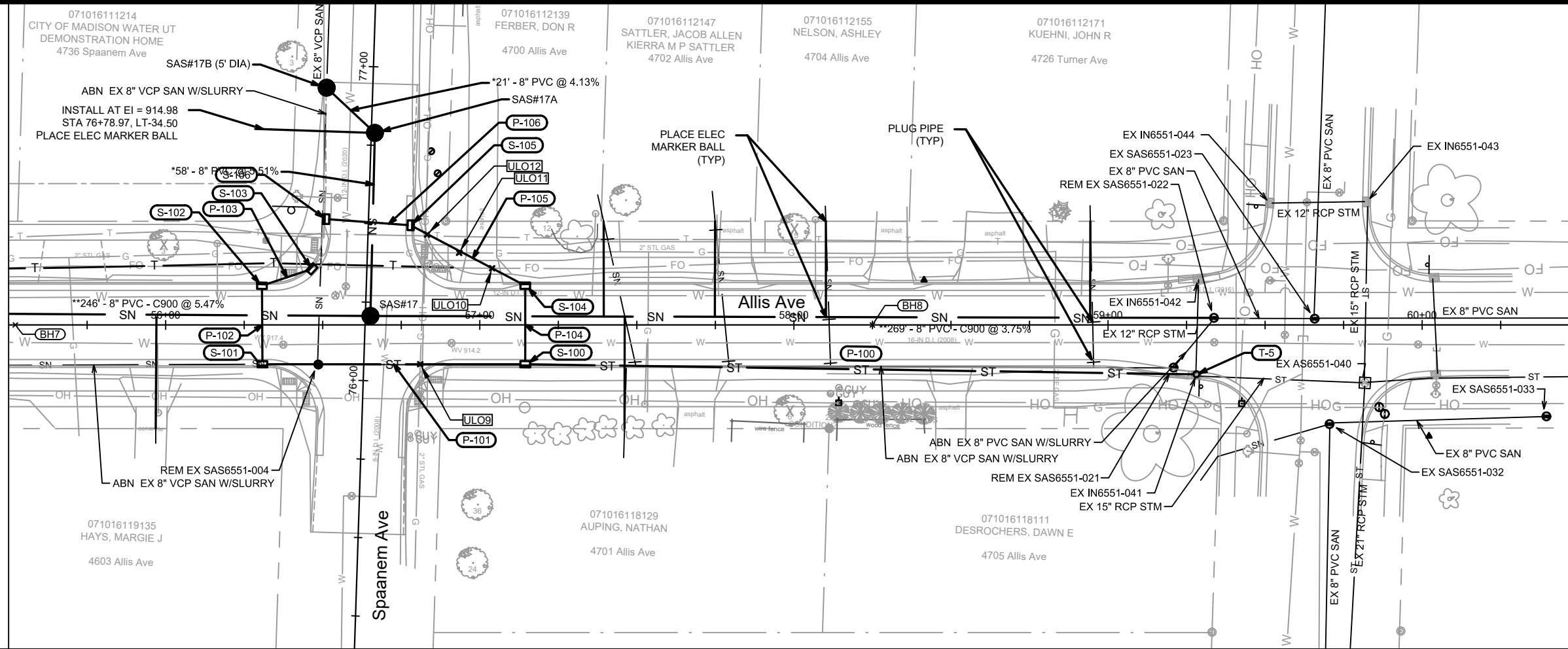
11432  
 MADISON, WI  
 CONTRACT NO: 7838

UTILITY PLAN & PROFILE - ALLIS AVE  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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11432  
 U-1

MATCH LINE 55+50.00



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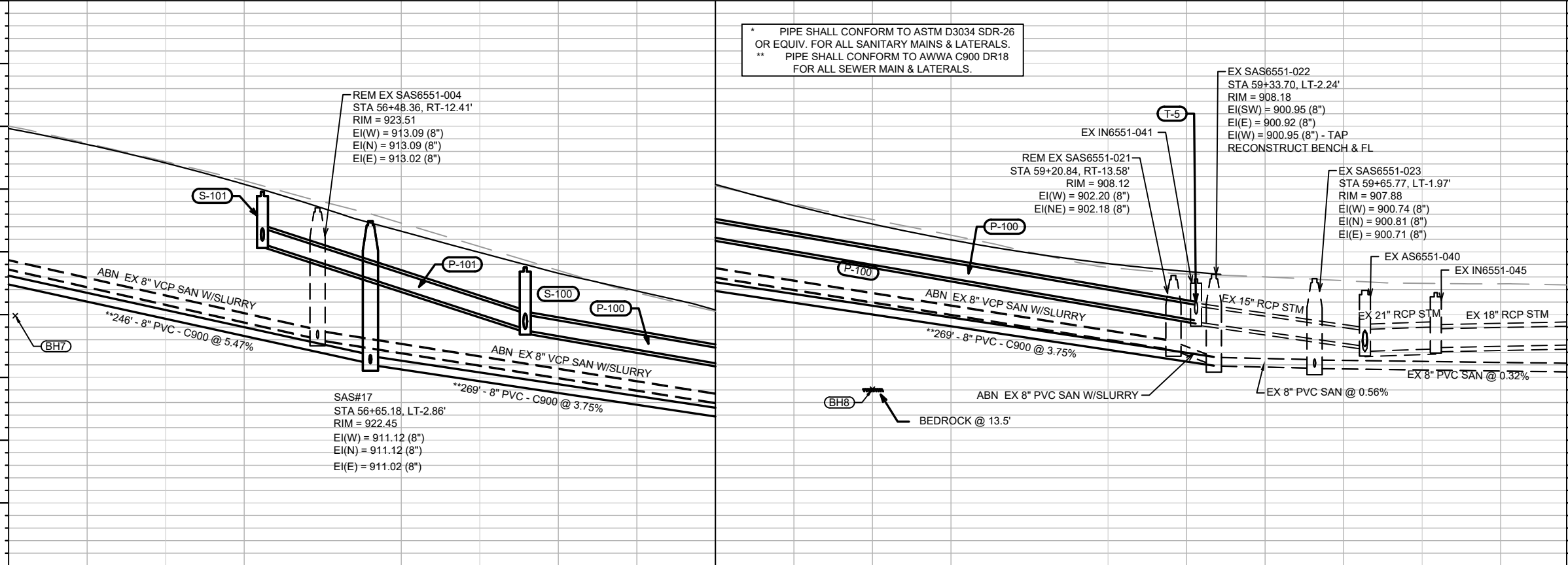
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\* PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR ALL SANITARY MAINS & LATERALS.  
 \*\* PIPE SHALL CONFORM TO AWWA C900 DR18 FOR ALL SEWER MAIN & LATERALS.

REM EX SAS6551-004  
 STA 56+48.36, RT-12.41'  
 RIM = 923.51  
 EI(W) = 913.09 (8")  
 EI(N) = 913.09 (8")  
 EI(E) = 913.02 (8")

SAS#17  
 STA 56+65.18, LT-2.86'  
 RIM = 922.45  
 EI(W) = 911.12 (8")  
 EI(N) = 911.12 (8")  
 EI(E) = 911.02 (8")

EX SAS6551-022  
 STA 59+33.70, LT-2.24'  
 RIM = 908.18  
 EI(SW) = 900.95 (8")  
 EI(E) = 900.92 (8")  
 EI(W) = 900.95 (8") - TAP  
 RECONSTRUCT BENCH & FL

EX IN6551-041  
 STA 59+20.84, RT-13.58'  
 RIM = 908.12  
 EI(W) = 902.20 (8")  
 EI(NE) = 902.18 (8")

EX SAS6551-023  
 STA 59+65.77, LT-1.97'  
 RIM = 907.88  
 EI(W) = 900.74 (8")  
 EI(N) = 900.81 (8")  
 EI(E) = 900.71 (8")

EX AS6551-040  
 EX IN6551-045

55+50

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60+46

11432

MADISON, WI

CONTRACT NO:

7838

UTILITY PLAN & PROFILE - ALLIS AVE

E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021

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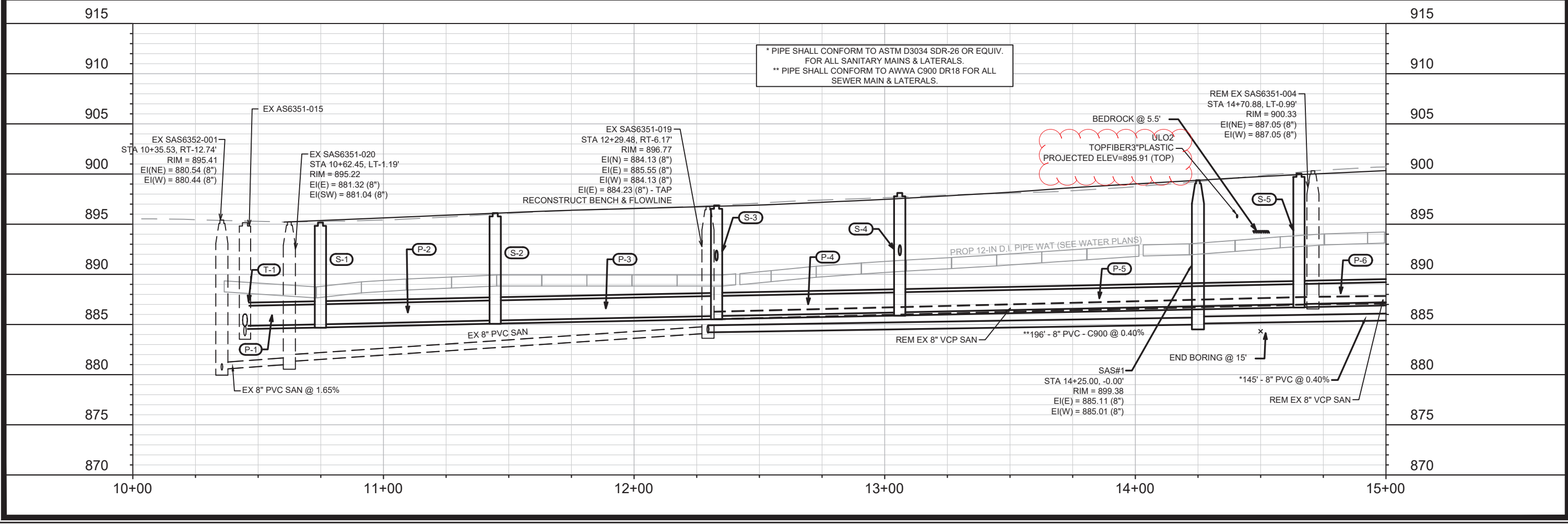
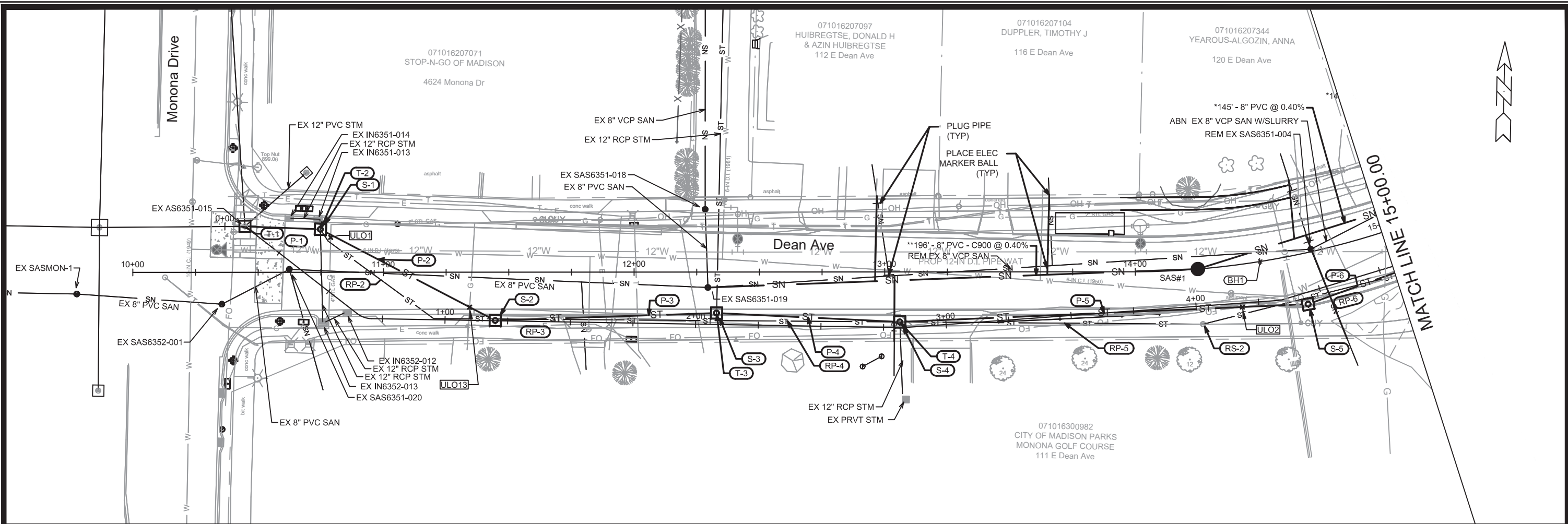


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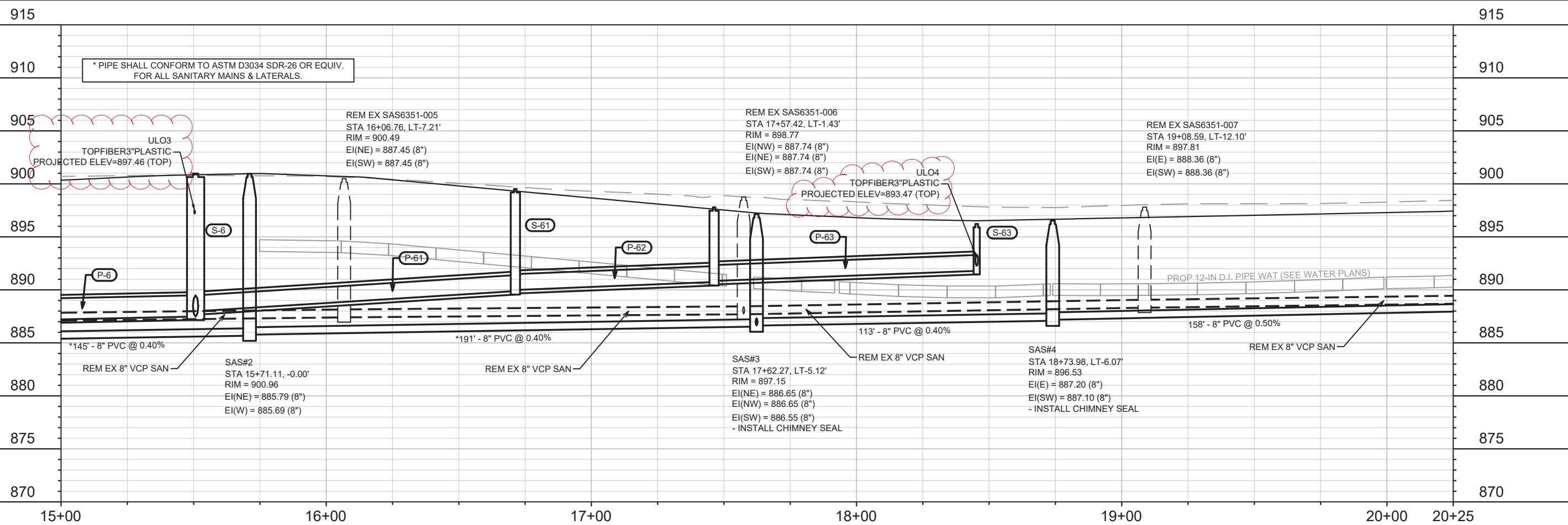
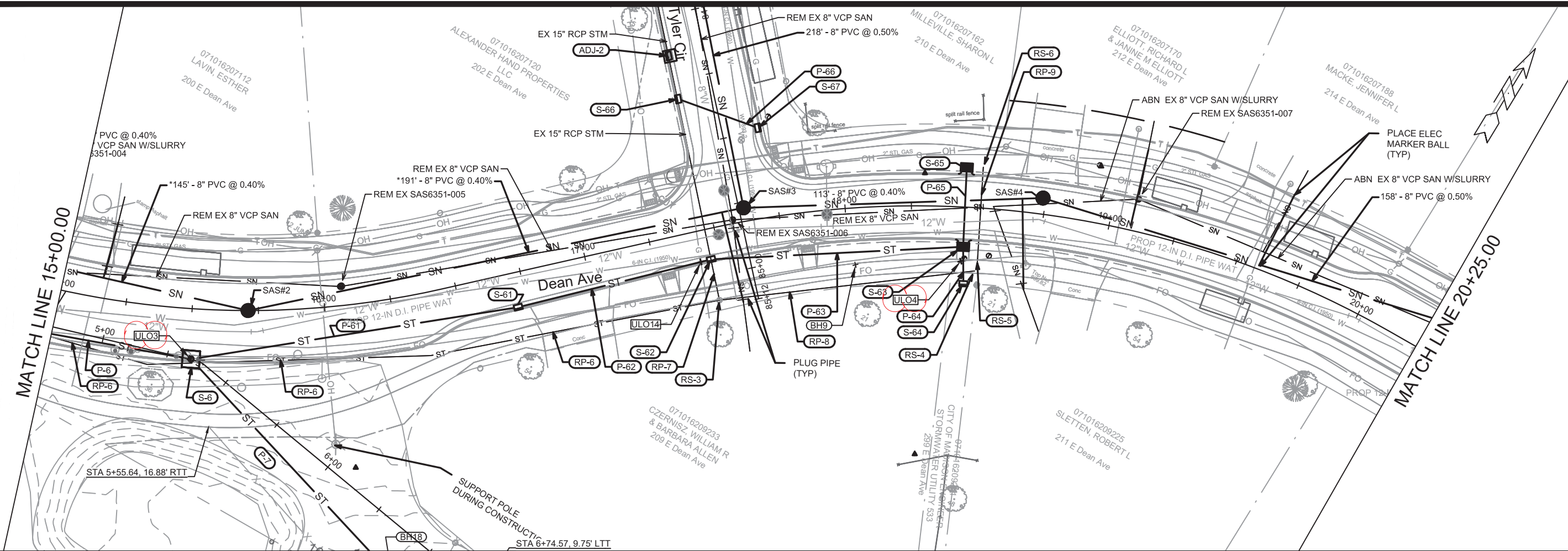


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11432	1	8/27/2021	U-3

11432  
 MADISON, WI  
 RECONSTRUCT 2021  
 CONTRACT NO: 7838

UTILITY PLAN & PROFILE - E DEAN AVE  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR.  
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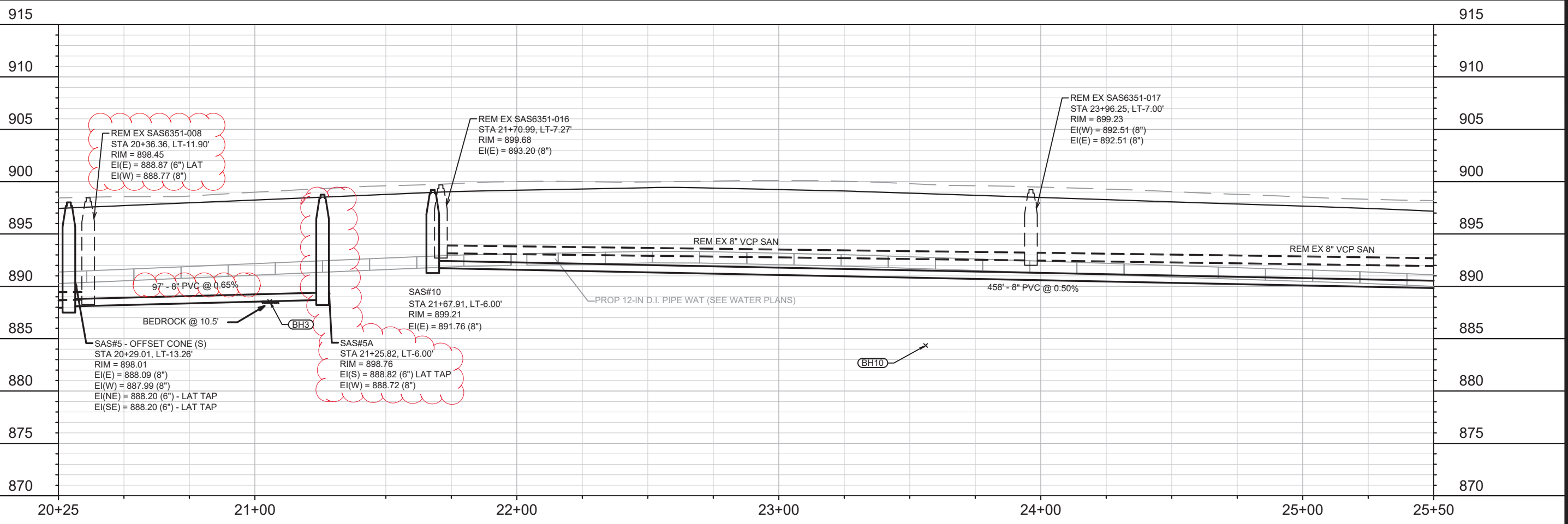
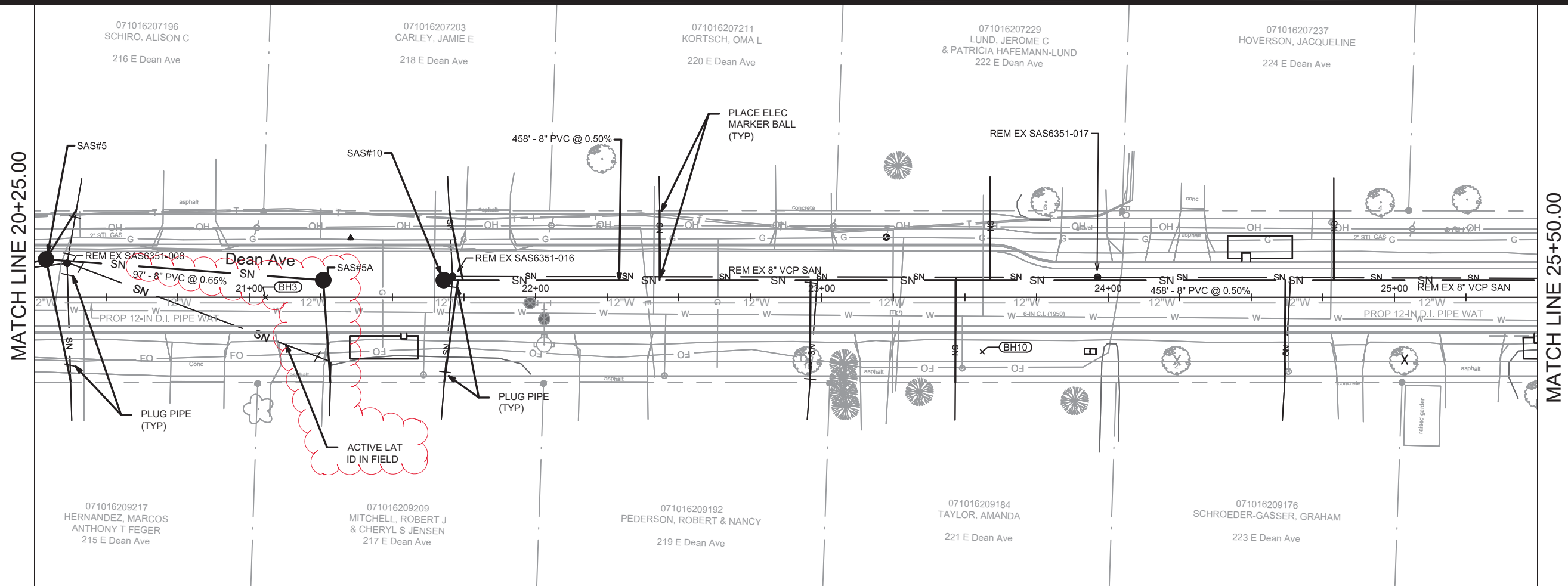
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11432  
 MADISON, WI  
 CONTRACT NO: 7838

UTILITY PLAN & PROFILE - E DEAN AVE  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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 U-4



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11432  
 MADISON, WI  
 CONTRACT NO: 7838

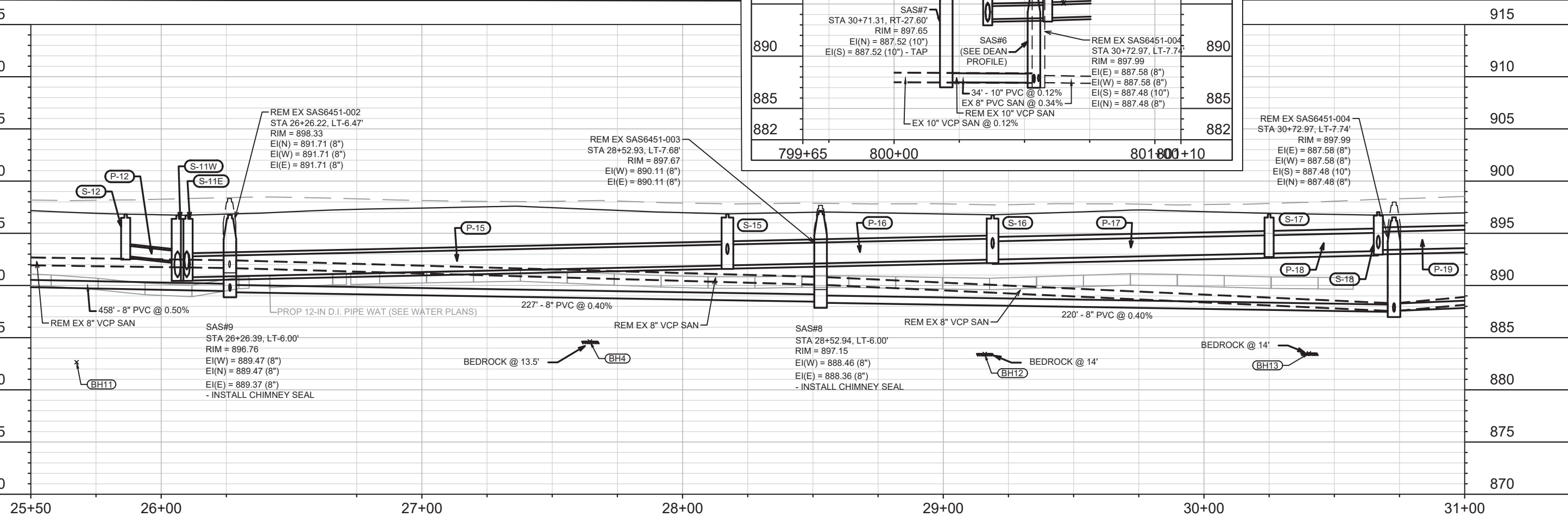
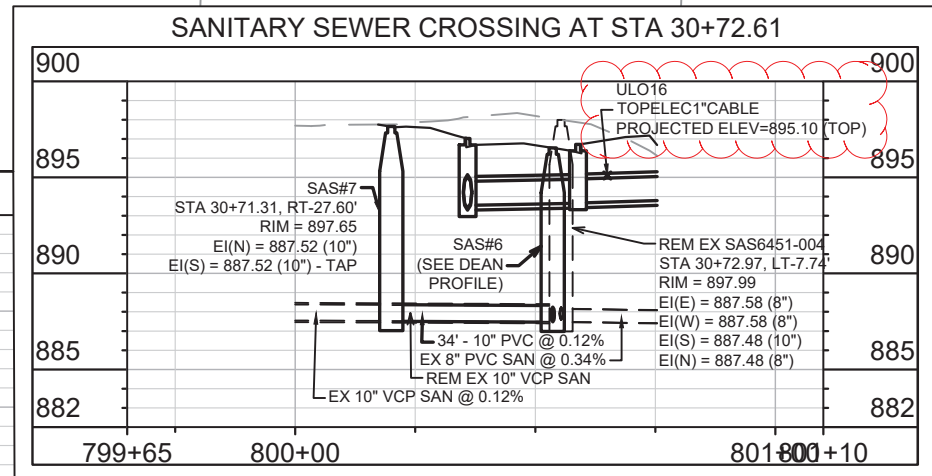
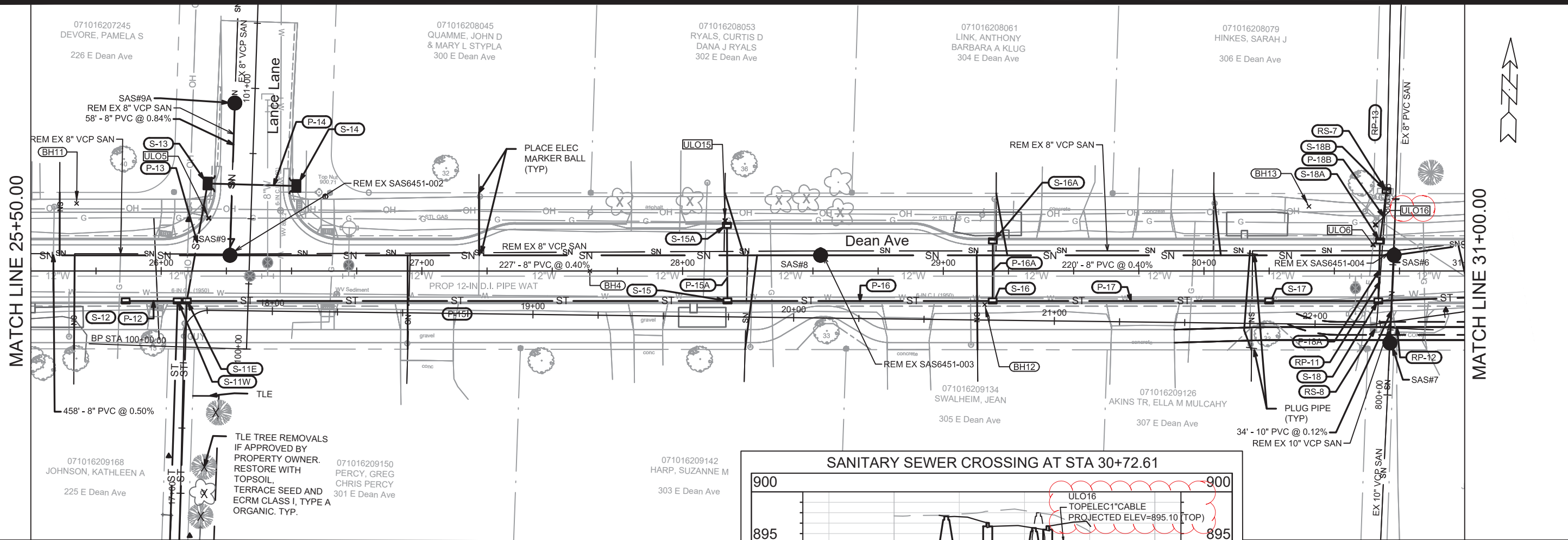
UTILITY PLAN & PROFILE - E DEAN AVE  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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 U-5

MATCH LINE 25+50.00

MATCH LINE 31+00.00



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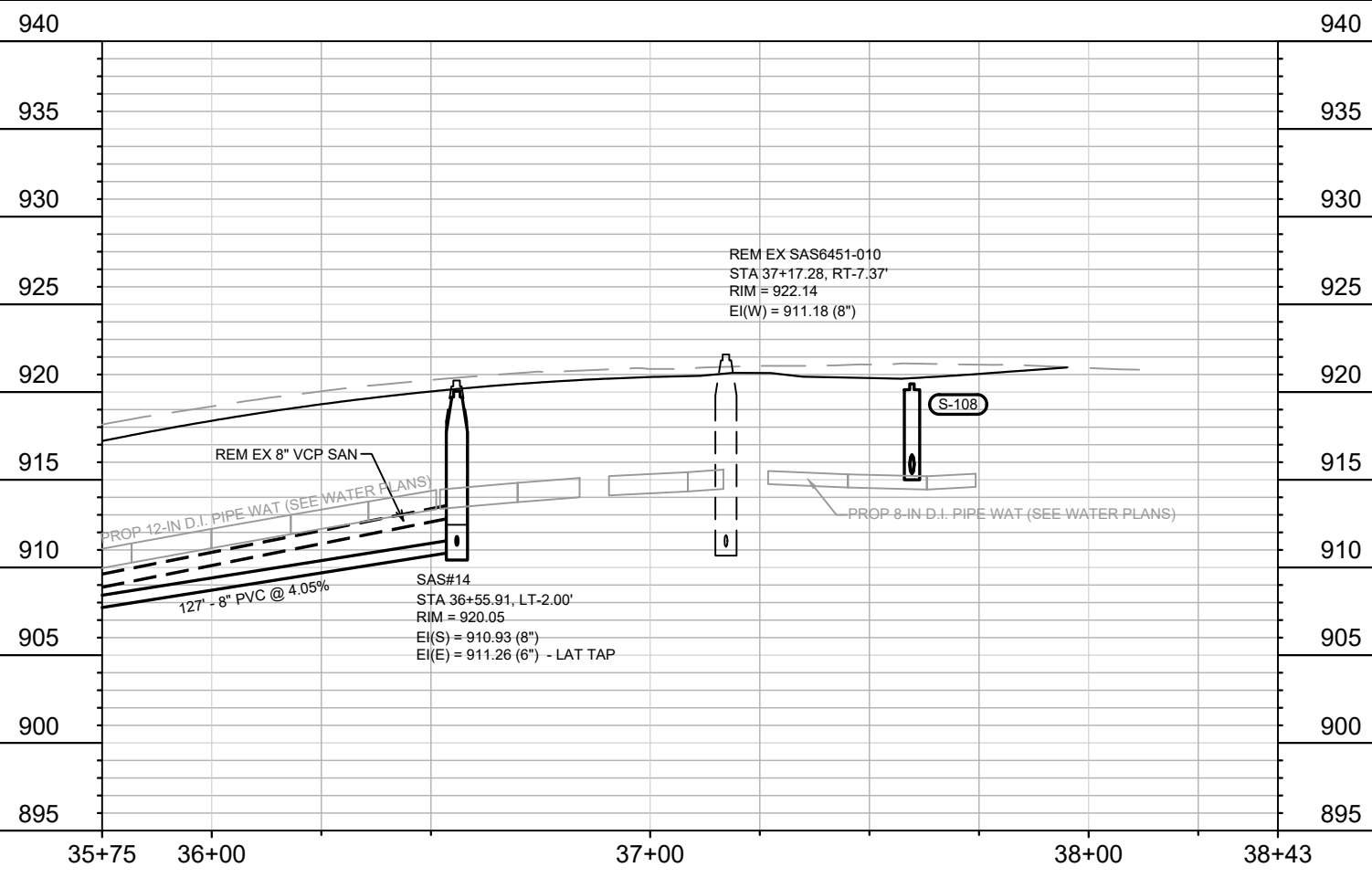
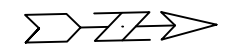
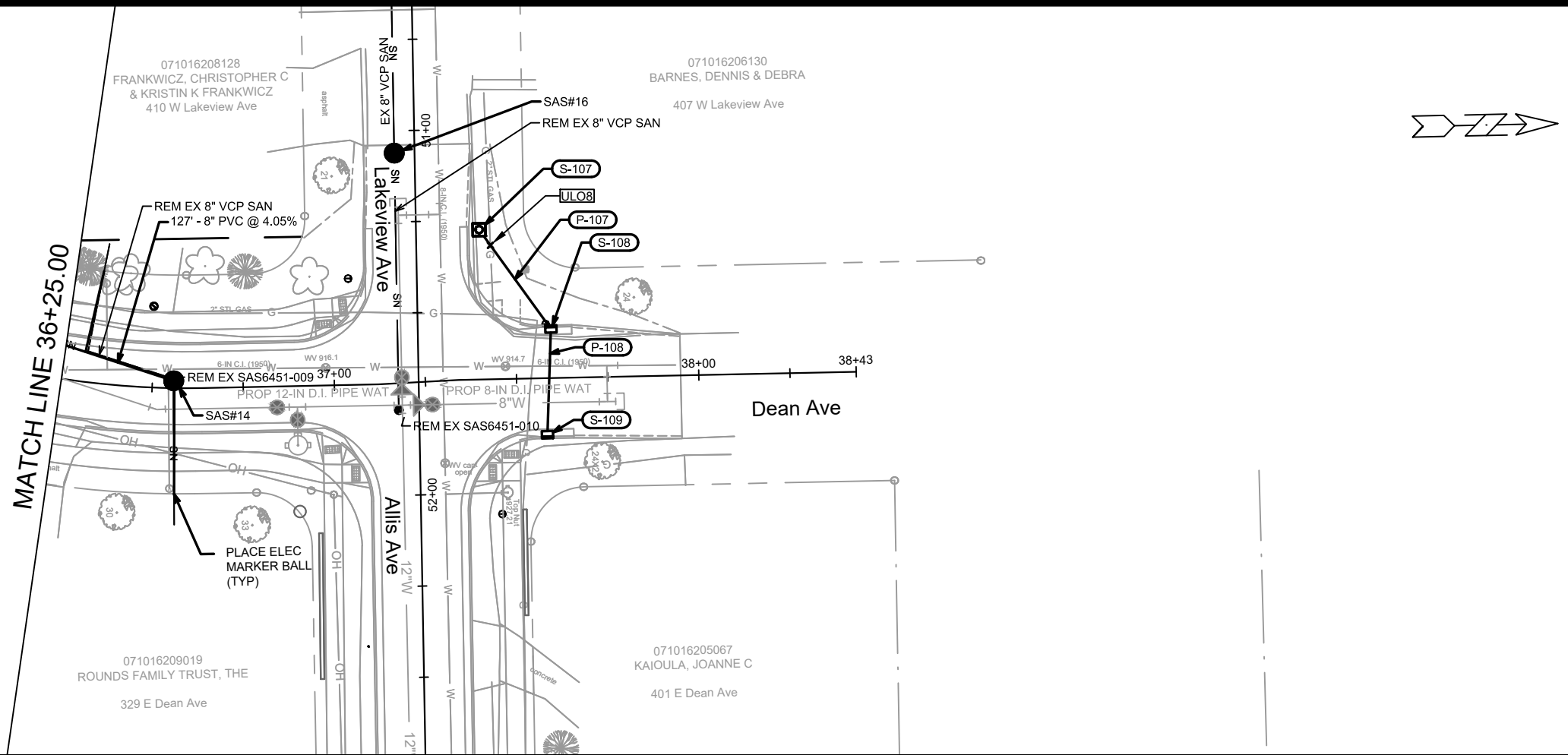
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MADISON, WI  
RECONSTRUCT 2021  
CONTRACT NO: 7838

UTILITY PLAN & PROFILE - E DEAN AVE  
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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U-6



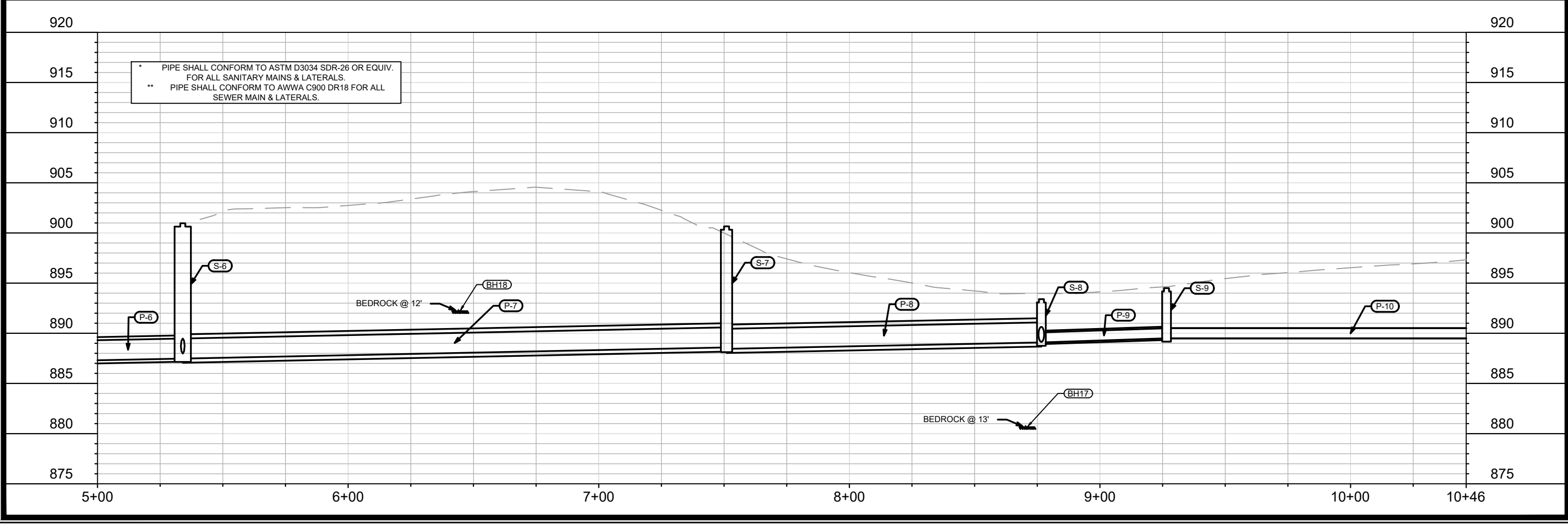
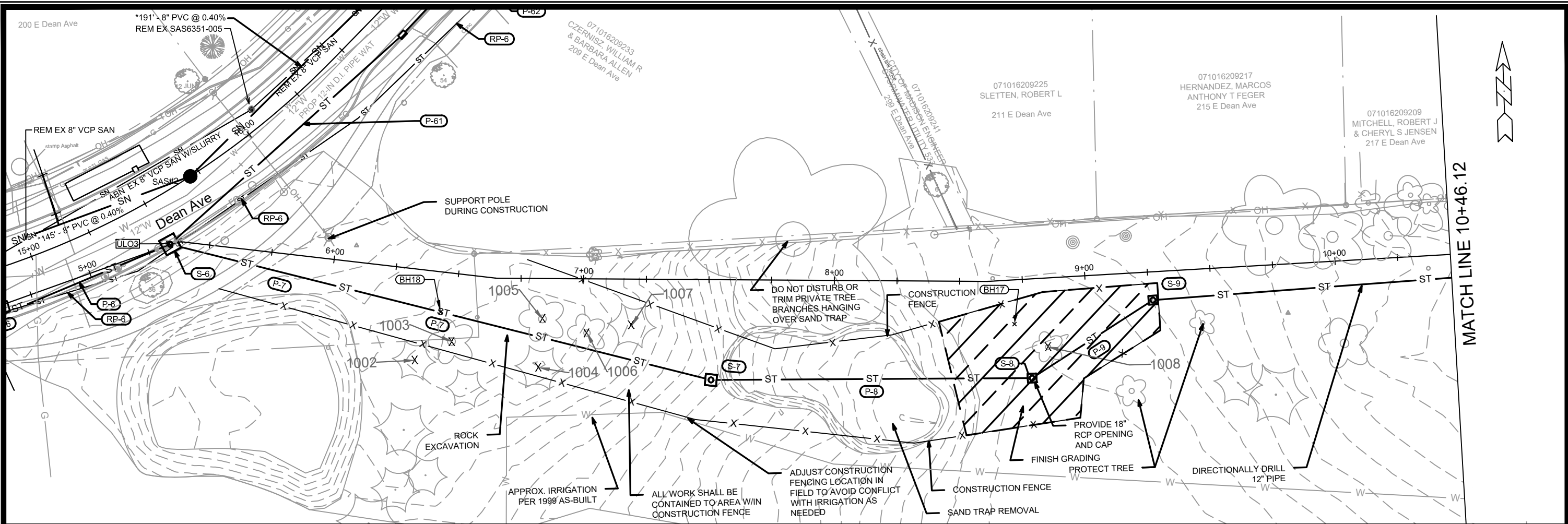


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MADISON, WI  
CONTRACT NO: 7838  
UTILITY PLAN & PROFILE - E DEAN AVE  
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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U-8



MARK	REVISION	DATE	BY

11432  
 UTILITY PLAN & PROFILE - MONONA GOLF COURSE STORM SEWER  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
 CONTRACT NO.: 7838  
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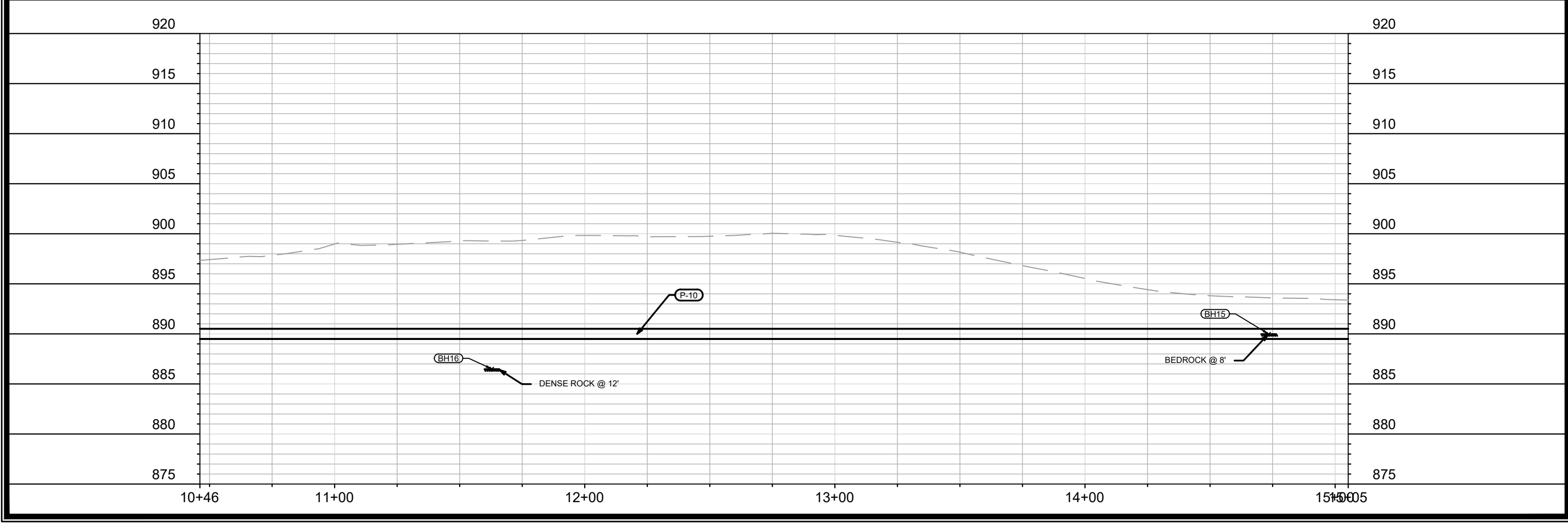
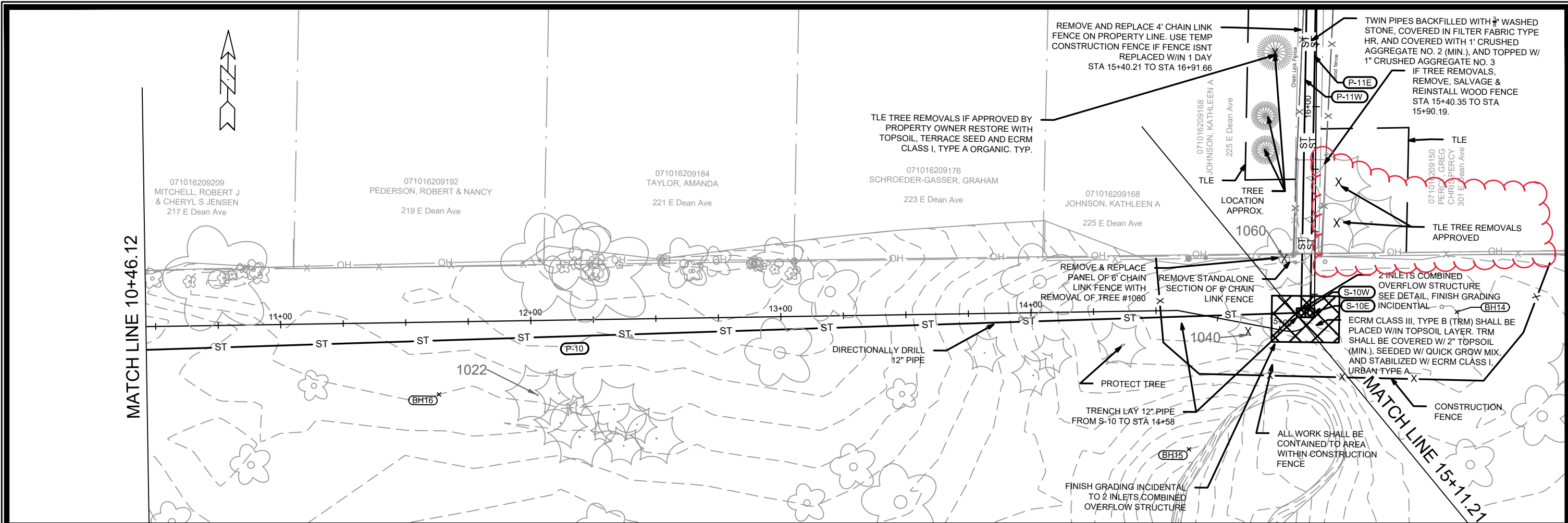
  
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 U-9

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 Designed By: #11432

7838  
 CONTRACT NO.:

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11432  
 U-9

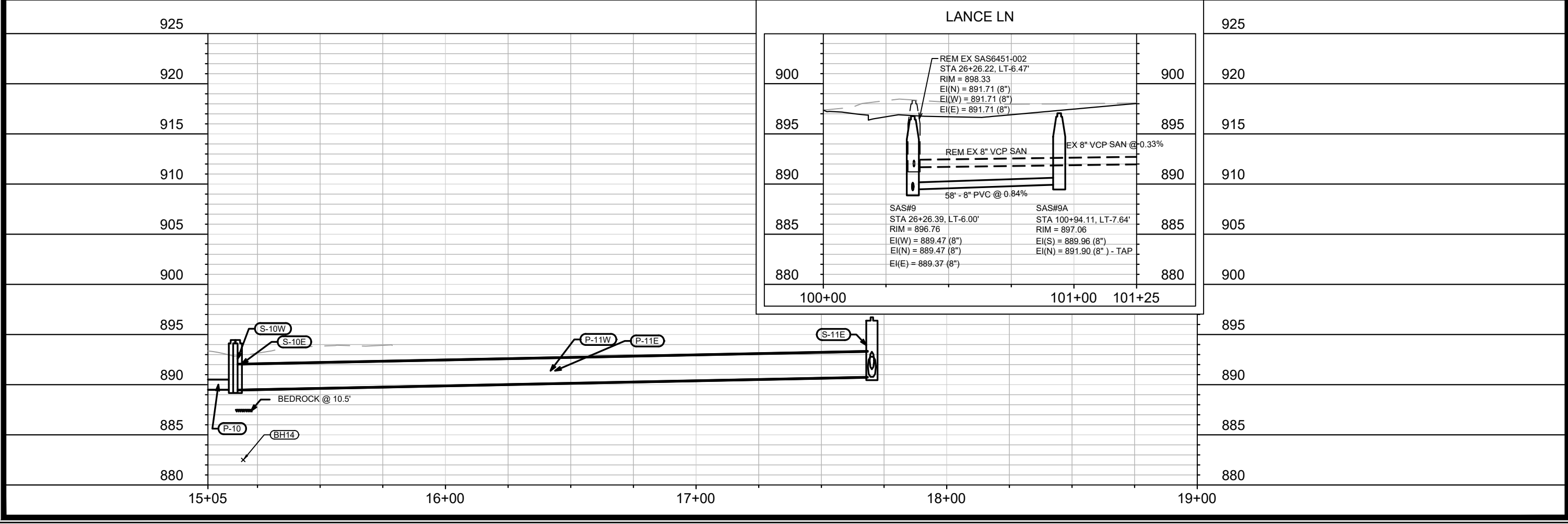
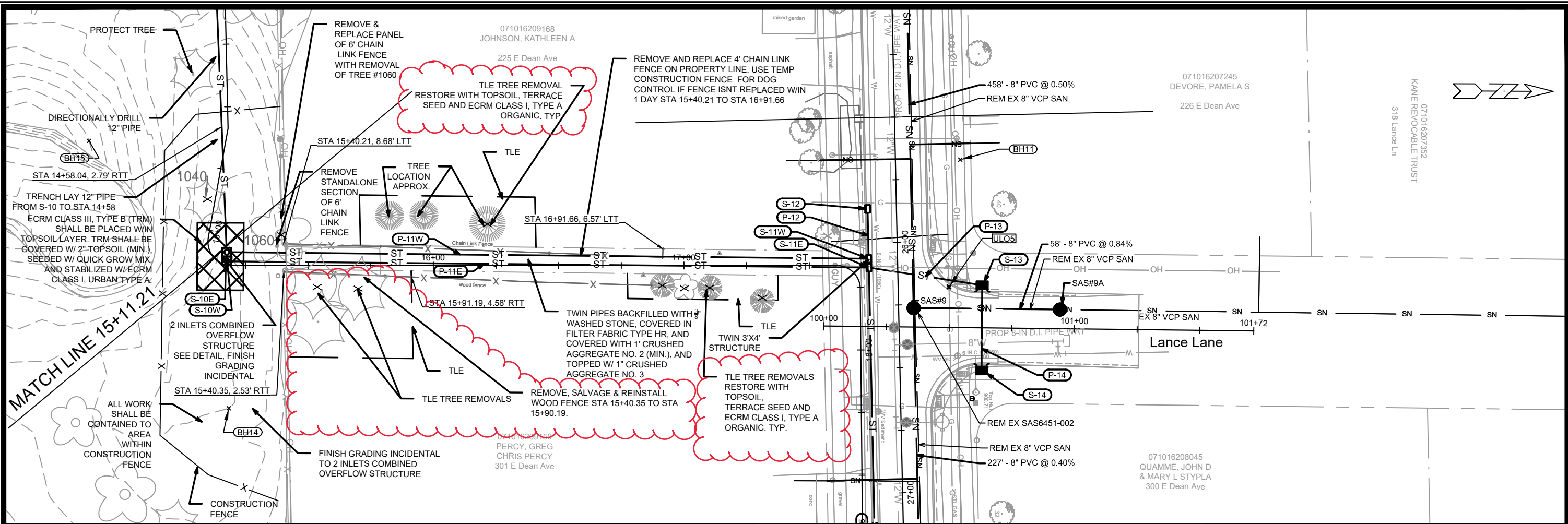


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4/26/21	JEO
REVISION	DATE
MARK	DATE
4/26/2021	5:07 PM
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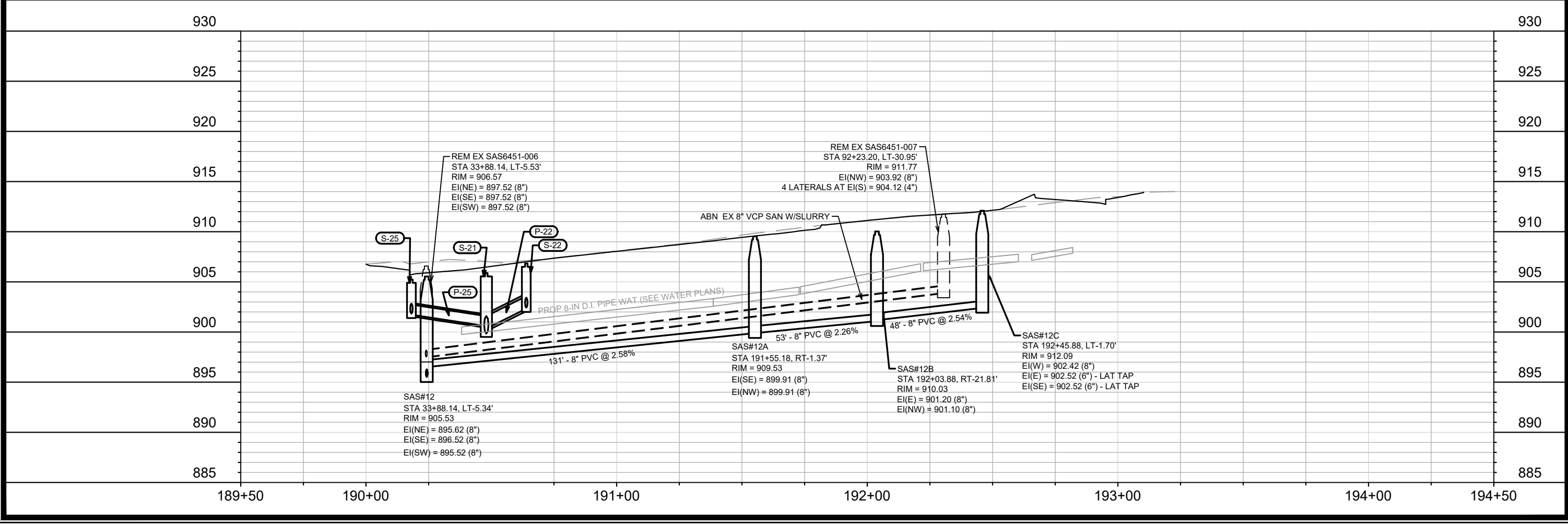
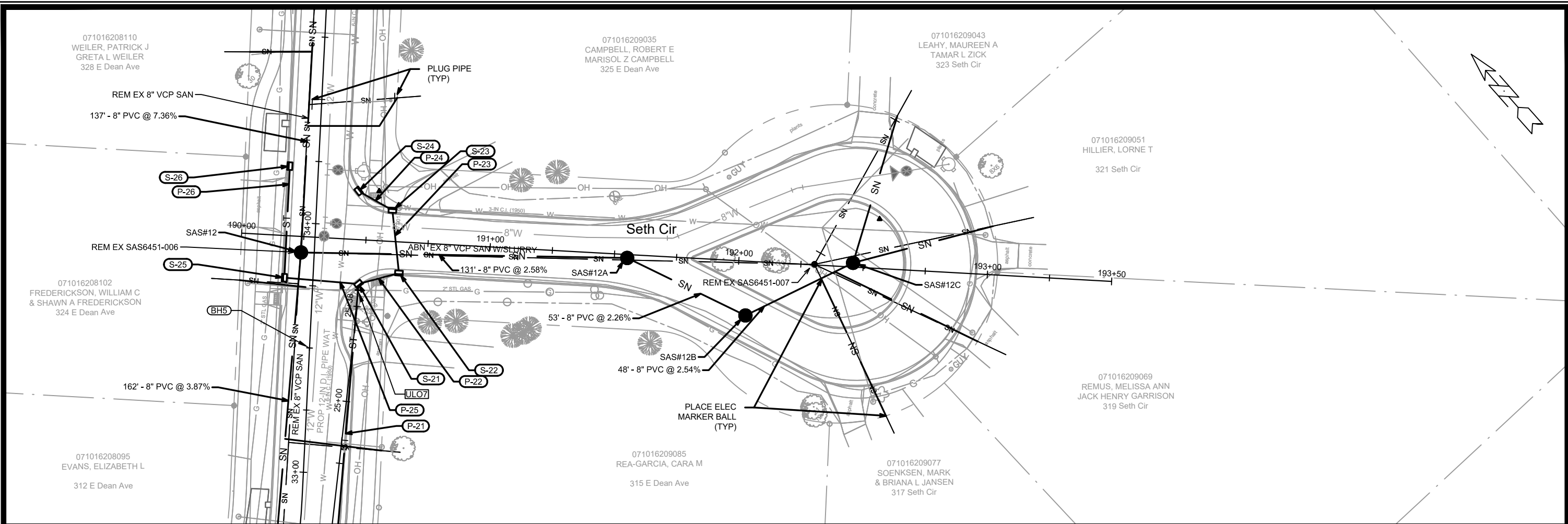
11432  
 MADISON, WI  
 RECONSTRUCT 2021  
 SETH CIR. & TYLER CIR.  
 CONTRACT NO: 7838  
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11432  
 U-10





11432	11432	U-11
UTILITY PLAN & PROFILE - MONONA GOLF COURSE STORM SEWER	DESIGNED BY: SETH CIR. & TYLER CIR. RECONSTRUCT 2021	DATE: 4/26/21
E. DEAN AVE., ALLIS AVE.,	MADISON, WI	BY: JEO
M:\DESIGN\Projects\11432\CSD\Storm\11432_SEWER PnP LAYOUT_B.dwg	CONTRACT NO: 7838	REVISION: #
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		Date: 4/26/2021 5:16 PM
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		REVISION: #
		DATE: 4-26-21
		BY: JEO
		U-11



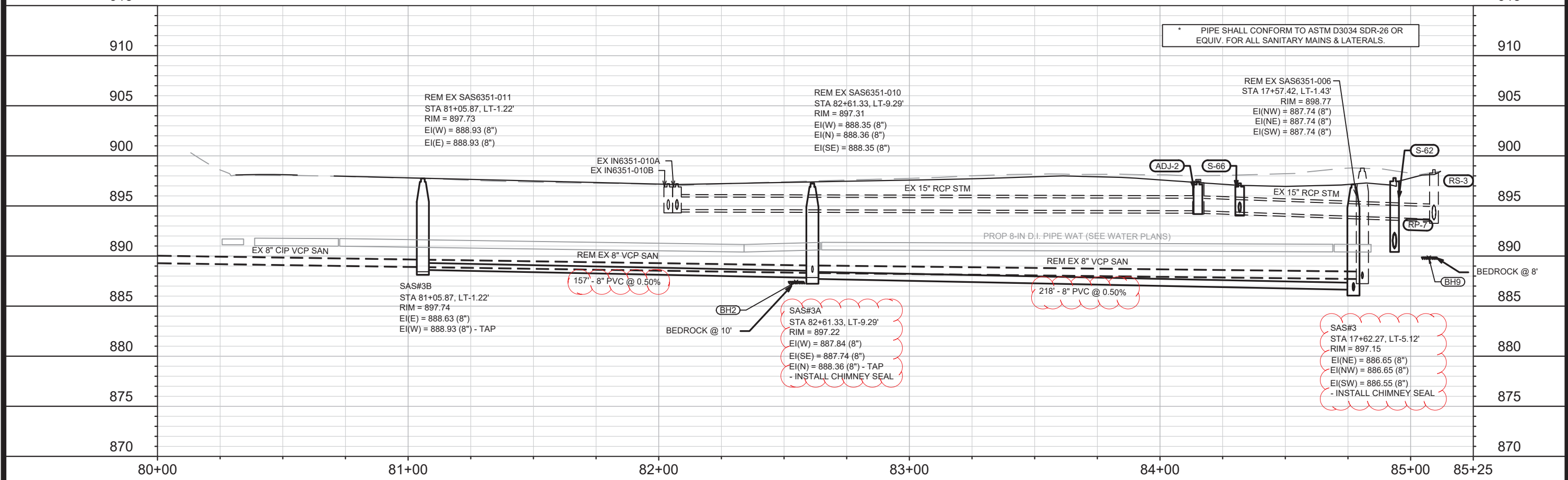
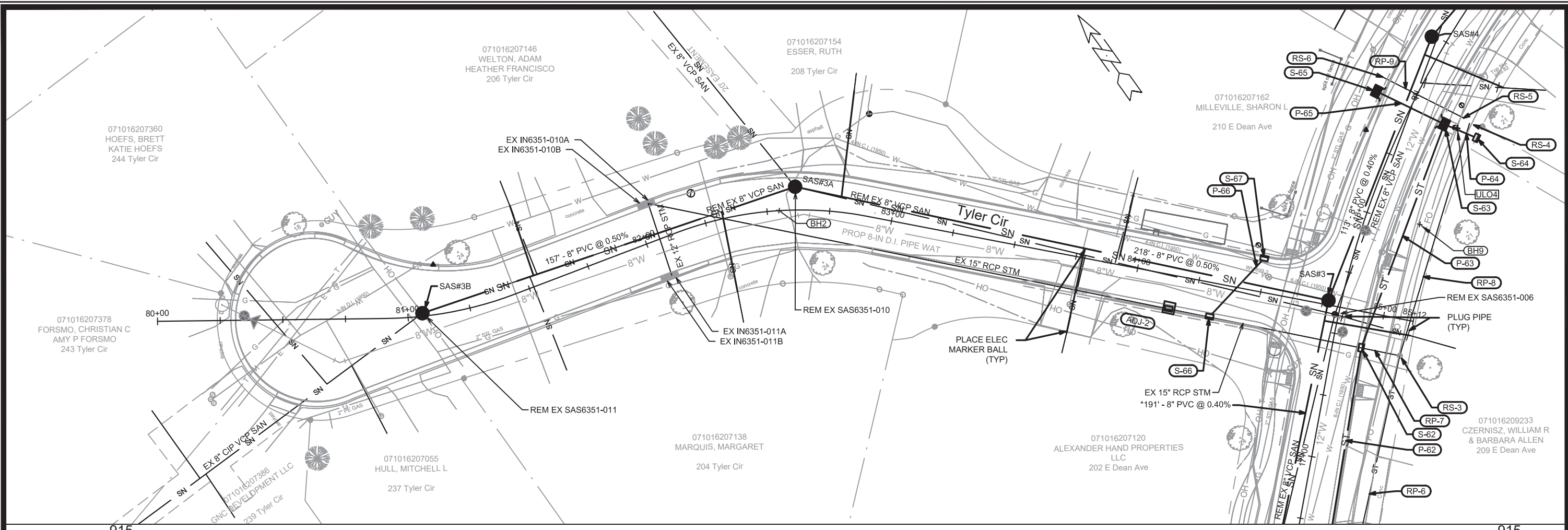
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11432	U-12	4/15/2021	2:33 PM

11432  
 MADISON, WI  
 CONTRACT NO: 7838

UTILITY PLAN & PROFILE - SETH CIR  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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11432  
 U-12





PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR ALL SANITARY MAINS & LATERALS.

REM EX SAS6351-006  
STA 17+57.42, LT-1.43'  
RIM = 898.77  
EI(NW) = 887.74 (8")  
EI(NE) = 887.74 (8")  
EI(SW) = 887.74 (8")

REM EX SAS6351-011  
STA 81+05.87, LT-1.22'  
RIM = 897.73  
EI(W) = 888.93 (8")  
EI(E) = 888.93 (8")

REM EX SAS6351-010  
STA 82+61.33, LT-9.29'  
RIM = 897.31  
EI(W) = 888.35 (8")  
EI(N) = 888.36 (8")  
EI(SE) = 888.35 (8")

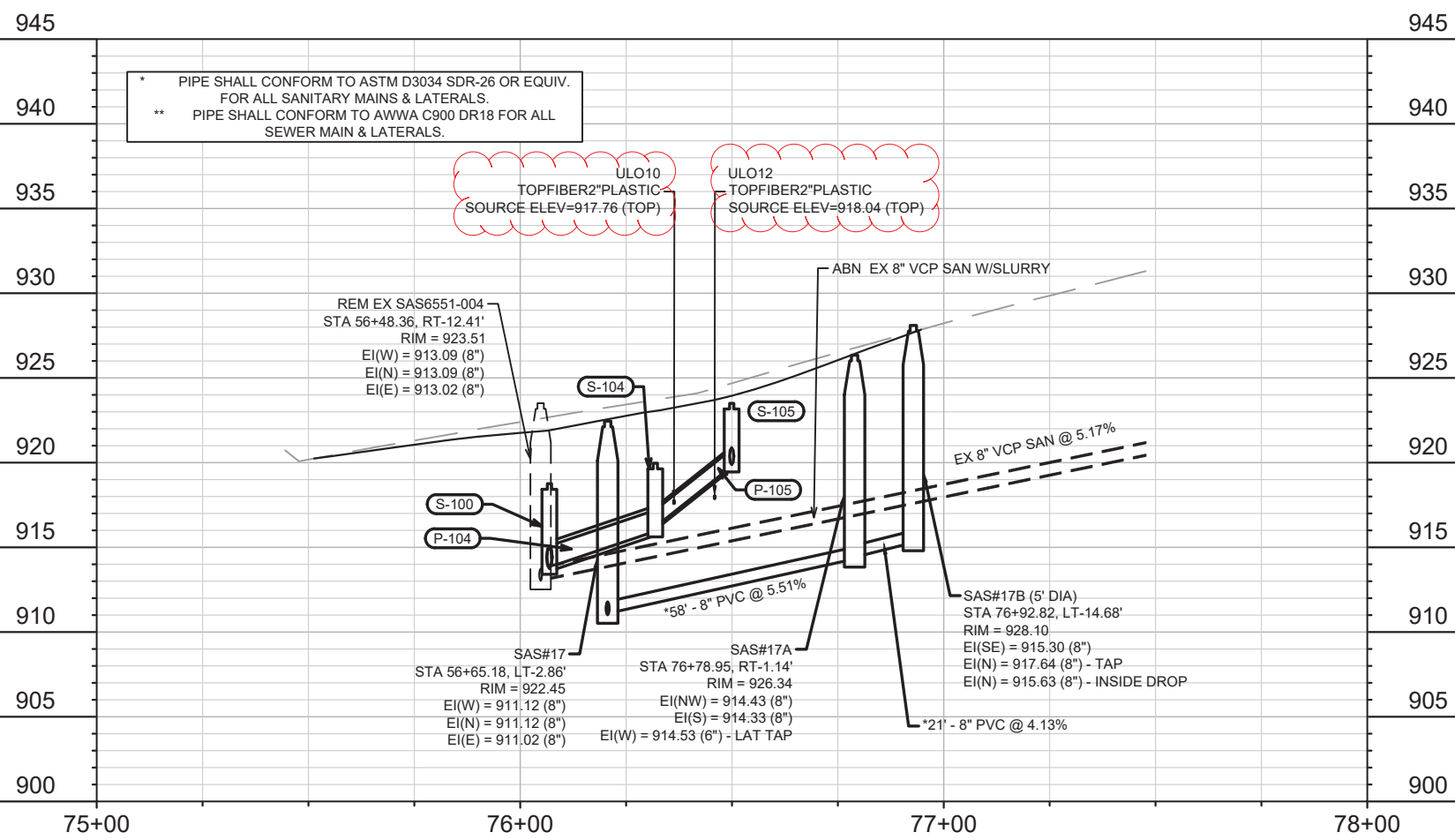
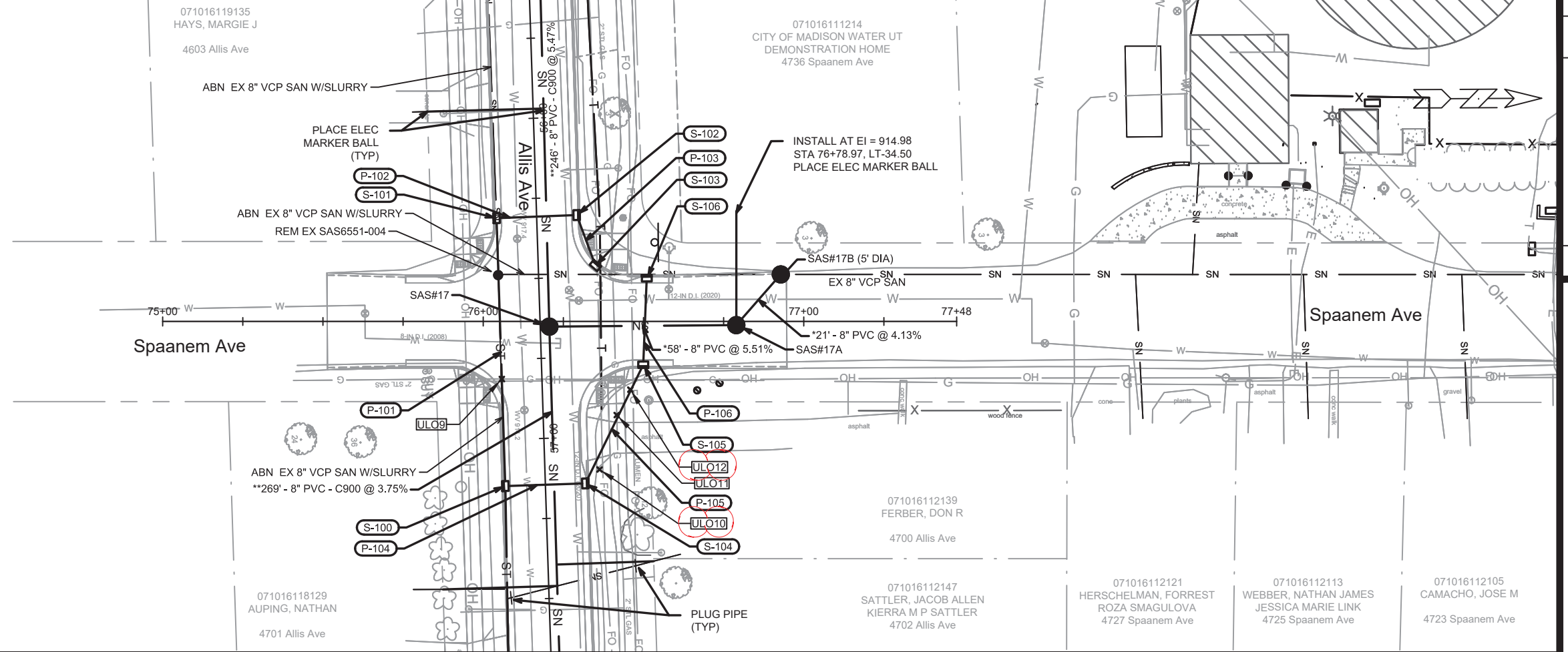
SAS#3  
STA 17+62.27, LT-5.12'  
RIM = 897.15  
EI(NW) = 886.65 (8")  
EI(N) = 886.65 (8")  
EI(SW) = 886.55 (8")  
- INSTALL CHIMNEY SEAL

SAS#3A  
STA 82+61.33, LT-9.29'  
RIM = 897.22  
EI(W) = 887.84 (8")  
EI(SE) = 887.74 (8")  
EI(N) = 888.36 (8") - TAP  
- INSTALL CHIMNEY SEAL

MARK	REVISION	DATE	BY
11432	1	8/27/2021	U-13

11432  
MADISON, WI  
RECONSTRUCT 2021  
CONTRACT NO.: 7838

UTILITY PLAN & PROFILE - TYLER CIR  
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR.  
M:\DESIGN\Projects\11432\C3D\Storm\11432\_SEWER PnP LAYOUT\_B.dwg  
11432  
U-13



\* PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR ALL SANITARY MAINS & LATERALS.  
 \*\* PIPE SHALL CONFORM TO AWWA C900 DR18 FOR ALL SEWER MAIN & LATERALS.

ULO10  
TOPFIBER2<sup>®</sup> PLASTIC  
SOURCE ELEV=917.76 (TOP)

ULO12  
TOPFIBER2<sup>®</sup> PLASTIC  
SOURCE ELEV=918.04 (TOP)

REM EX SAS6551-004  
STA 56+48.36, RT-12.41'  
RIM = 923.51  
EI(W) = 913.09 (8")  
EI(N) = 913.09 (8")  
EI(E) = 913.02 (8")

SAS#17  
STA 56+65.18, LT-2.86'  
RIM = 922.45  
EI(W) = 911.12 (8")  
EI(N) = 911.12 (8")  
EI(E) = 911.02 (8")

SAS#17A  
STA 76+78.95, RT-1.14'  
RIM = 926.34  
EI(NW) = 914.43 (8")  
EI(S) = 914.33 (8")  
EI(W) = 914.53 (6") - LAT TAP

SAS#17B (5' DIA)  
STA 76+92.82, LT-14.68'  
RIM = 928.10  
EI(SE) = 915.30 (8")  
EI(N) = 917.64 (8") - TAP  
EI(N) = 915.63 (8") - INSIDE DROP

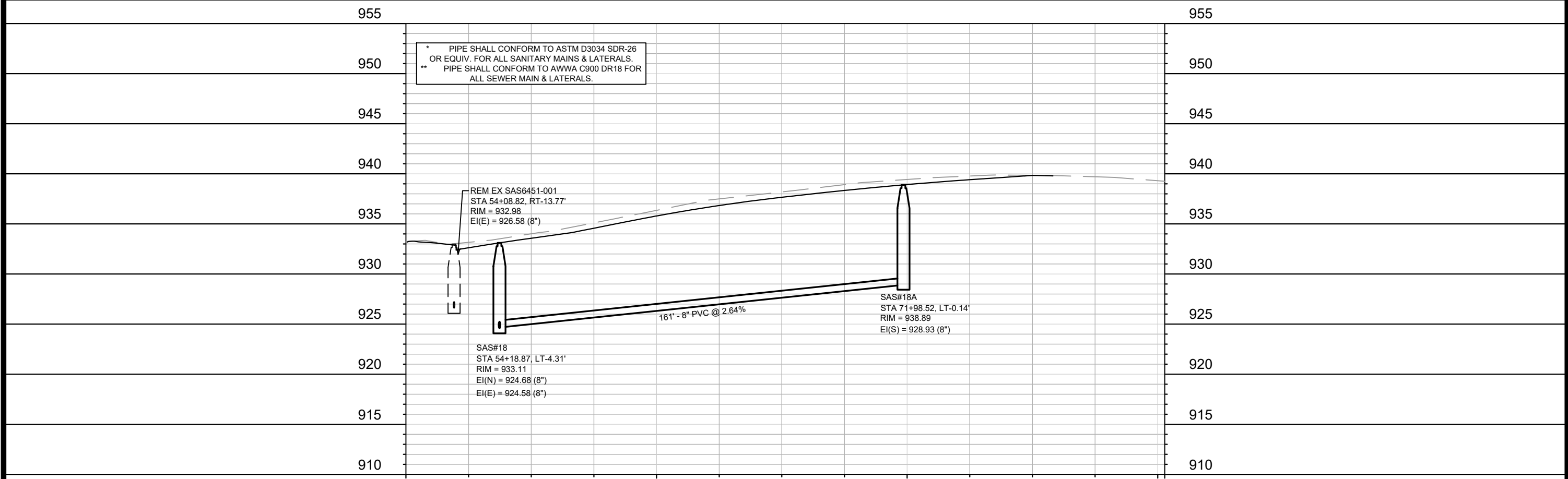
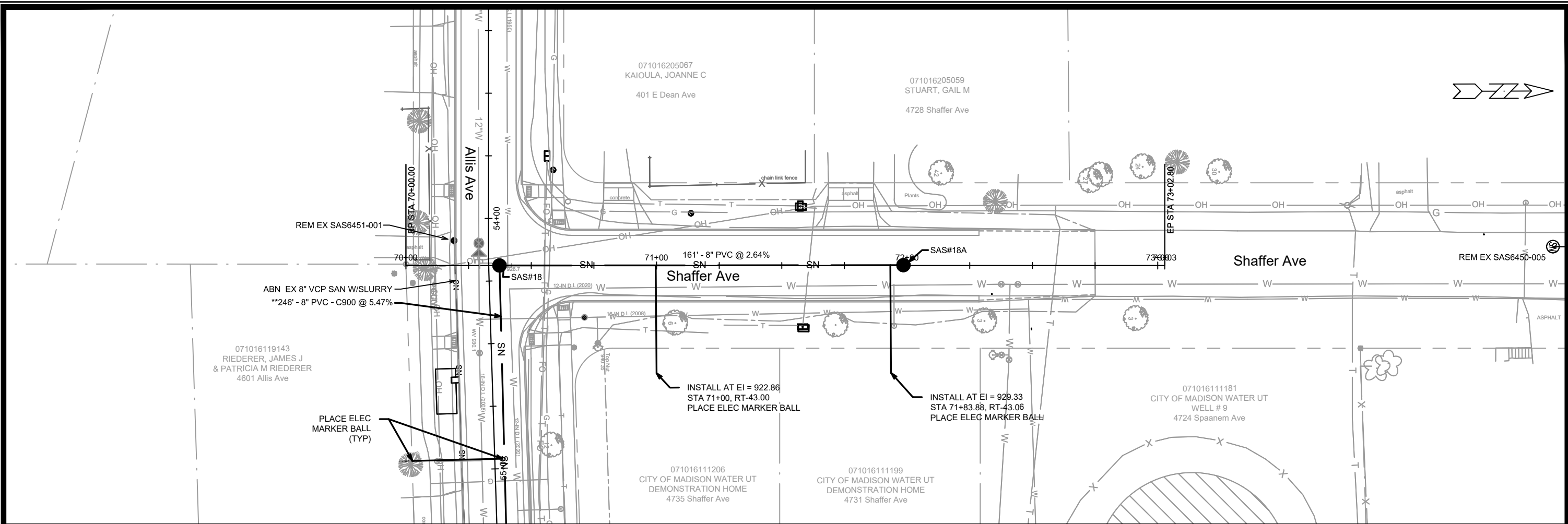
MARK	REVISION	DATE	BY
	REVISION 1	8/30/21	DAO
DESIGNED BY: ###	DATE: 8/27/2021	11:02 AM	U-14
11432	Scale: #####		

11432  
 MADISON, WI  
 RECONSTRUCT 2021  
 CONTRACT NO: 7838

UTILITY PLAN & PROFILE - SPAANEM AVE  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR.  
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11432  
 U-14



\* PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR ALL SANITARY MAINS & LATERALS.  
 \*\* PIPE SHALL CONFORM TO AWWA C900 DR18 FOR ALL SEWER MAIN & LATERALS.

MARK	REVISION	DATE	BY
11432	U-15	4/15/2021	2:34 PM

11432  
 MADISON, WI  
 CONTRACT NO: 7838  
 UTILITY PLAN & PROFILE - SHAFFER AVE  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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11432  
 U-15

# SANITARY SEWER SCHEDULE

\* REVISION 1 - 8/30/2021 DAO

E DEAN AVE, ALLIS AVE, SETH CIR & TYLER CIR RECONSTRUCT 2021 PROJECT NO. 11432	SHEET NO. U-16
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
<b>E DEAN AVE</b>						
SAS#1	14+25.00	CL	899.38	885.01	14.37	
SAS#2	15+71.11	CL	900.96	885.69	15.27	
SAS#3	17+62.27	LT-5.12	897.15	886.55	10.60	(1)
SAS#4	18+73.98	LT-6.07	896.53	887.10	9.43	(1)
SAS#5	20+29.01	LT-13.26	898.01	887.99	10.02	(1); OFFSET CONE (S)
* SAS#5A	21+25.85	LT-6.00	898.76	888.72	10.04	
SAS#6	30+72.93	LT-6.00	896.54	887.48	9.06	(1)
SAS#7	30+71.31	RT-27.60	897.65	887.52	10.13	
SAS#8	28+52.94	LT-6.00	897.15	888.36	8.79	(1)
SAS#9	26+26.39	LT-6.00	896.76	889.37	7.39	(1)
SAS#10	21+67.91	LT-6.00	899.21	891.76	7.45	
SAS#11	32+25.30	LT-2.00	899.40	889.17	10.23	(1)
SAS#12	33+88.14	LT-5.34	905.53	895.52	10.01	
SAS#13	35+25.19	LT-2.53	914.15	905.67	8.48	
SAS#14	36+55.91	LT-2.00	920.05	910.93	9.12	
<b>TYLER CIR</b>						
* SAS#3A	82+61.33	LT-9.29	897.22	887.74	9.48	(1)
* SAS#3B	81+05.87	LT-1.22	897.74	888.63	9.11	
<b>LANCE LN</b>						
SAS#9A	100+94.11	LT-7.64	897.06	889.96	7.10	
<b>SETH CIR</b>						
SAS#12A	191+55.18	RT-1.37	909.53	899.91	9.62	
SAS#12B	192+03.88	RT-21.81	910.03	901.10	8.93	
SAS#12C	192+45.88	LT-1.70	912.09	902.42	9.67	
<b>ALLIS AVE</b>						
SAS#16	51+06.13	RT-5.57	914.17	906.20	7.97	
SAS#17	56+65.18	LT-2.86	922.45	911.02	11.43	
SAS#18	54+18.87	LT-4.31	933.11	924.58	8.53	
<b>SPAANEM AVE</b>						
SAS#17A	76+78.95	RT-1.14	926.91	914.33	12.58	
SAS#17B	76+92.82	LT-14.68	928.10	915.30	12.80	5' DIA SAS; INSIDE DROP
<b>SHAFFER AVE</b>						
SAS#18A	71+98.52	LT-0.14	938.89	928.93	9.96	

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
<b>E DEAN AVE</b>								
SAS6351-019	SAS#1	884.23	885.01	196	0.40%	8"	C900	FOR MAIN & LATERALS
SAS#1	SAS#2	885.11	885.69	145	0.40%	8"	SDR-26	
SAS#2	SAS#3	885.79	886.55	191	0.40%	8"	SDR-26	
SAS#3	SAS#4	886.65	887.10	113	0.40%	8"	SDR-35	
SAS#4	SAS#5	887.20	887.99	158	0.50%	8"	SDR-35	
* SAS#5	SAS#5A	888.09	888.72	97	0.65%	8"	SDR-35	
SAS#6	SAS#7	887.48	887.52	34	0.12%	10"	SDR-35	
SAS#6	SAS#8	887.48	888.36	220	0.40%	8"	SDR-35	
SAS#8	SAS#9	888.46	889.37	227	0.40%	8"	SDR-35	
SAS#9	SAS#10	889.47	891.76	458	0.50%	8"	SDR-35	
SAS#6	SAS#11	889.17	889.17	149	1.07%	8"	SDR-35	
SAS#11	SAS#12	889.27	895.52	162	3.87%	8"	SDR-35	
SAS#12	SAS#13	895.62	905.67	137	7.36%	8"	SDR-35	
SAS#13	SAS#14	905.77	910.93	127	4.05%	8"	SDR-35	
<b>TYLER CIR</b>								
* SAS#3	SAS#3A	886.65	887.74	218	0.50%	8"	SDR-35	
* SAS#3A	SAS#3B	887.84	888.63	157	0.50%	8"	SDR-35	
<b>LANCE LN</b>								
SAS#9	SAS#9A	889.47	889.96	58	0.84%	8"	SDR-35	
<b>SETH CIR</b>								
SAS#12	SAS#12A	896.52	899.91	131	2.58%	8"	SDR-35	
SAS#12A	SAS#12B	899.91	901.10	53	2.26%	8"	SDR-35	
SAS#12B	SAS#12C	901.20	902.42	48	2.54%	8"	SDR-35	
<b>ALLIS AVE</b>								
SAS6651-022	SAS#17	900.95	911.02	269	3.75%	8"	C900	FOR MAIN & LATERALS
SAS#17	SAS#18	911.12	924.58	246	5.47%	8"	C900	FOR MAIN & LATERALS
<b>SPAANEM AVE</b>								
SAS#17	SAS#17A	911.12	914.33	58	5.51%	8"	SDR-26	
SAS#17A	SAS#17B	914.43	915.30	21	4.13%	8"	SDR-26	
<b>SHAFFER AVE</b>								
SAS#18	SAS#18A	924.68	928.93	161	2.64%	8"	SDR-35	

## 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.

(1) INSTALL INTERNAL CHIMNEY SEAL

# SANITARY SEWER SCHEDULE

E DEAN AVE, ALLIS AVE, SETH CIR & TYLER CIR RECONSTRUCT 2021 PROJECT NO. 11432	SHEET NO. U-17
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

## SANITARY STRUCTURE REMOVALS

STRUC. NO.	STATION	LOCATION (OFFSET)	DEPTH	NOTES
<b><u>E DEAN AVE</u></b>				
EX SAS 6351-004	14+70.88	LT-0.99	13.28	
EX SAS 6351-005	16+06.76	LT-7.21	13.04	
EX SAS 6351-006	17+57.42	LT-1.43	11.03	
EX SAS 6351-007	19+08.59	LT-12.10	9.45	
EX SAS 6351-008	20+36.36	LT-11.90	9.68	
EX SAS 6351-016	21+70.99	LT-7.27	6.48	
EX SAS 6351-017	23+96.25	LT-7.00	6.72	
EX SAS 6451-002	26+26.22	LT-6.47	6.62	
EX SAS 6451-003	28+52.93	LT-7.68	7.56	
EX SAS 6451-004	30+72.97	LT-7.74	10.51	
EX SAS 6451-005	32+24.91	RT-1.65	9.61	
EX SAS 6451-006	33+88.14	LT-5.53	9.05	
EX SAS 6451-008	35+25.19	LT-2.53	9.04	
EX SAS 6451-009	36+55.83	LT-2.54	7.73	
EX SAS 6451-010	37+17.28	RT-7.37	10.96	
<b><u>TYLER CIR</u></b>				
EX SAS 6351-011	81+05.87	LT-1.22	8.80	
EX SAS 6351-010	82+61.33	LT-9.29	8.96	
<b><u>SETH CIR</u></b>				
EX SAS 6451-007	92+23.20	LT-30.95	7.85	
<b><u>ALLIS AVE</u></b>				
EX SAS 6451-001	54+08.82	RT-13.77	6.40	
EX SAS 6551-004	56+48.36	RT-12.41	10.49	
EX SAS 6551-021	59+20.84	RT-13.58	5.94	

## SANITARY PIPE REMOVALS & ABANDON W/SLURRY

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	PAID REM LENGTH (FT)	PAID ABN W/ SLURRY LENGTH (FT)	SIZE	TYPE	NOTES
<b><u>E DEAN AVE</u></b>								
EX SAS 6351-019	SAS#1	6	N			8"	PVC	
EX SAS 6351-019	EX SAS 6351-004	241	Y	62		8"	VCP	
EX SAS 6351-004	EX SAS 6351-005	133	Y		87	8"	VCP	
EX SAS 6351-005	EX SAS 6351-006	150	N			8"	VCP	
EX SAS 6351-006	EX SAS 6351-007	153	Y		22	8"	VCP	
EX SAS 6351-007	EX SAS 6351-008	131	Y		98	8"	VCP	
EX SAS 6351-017	EX SAS 6351-016	225	N			8"	VCP	
EX SAS 6451-002	EX SAS 6351-017	230	N			8"	VCP	
EX SAS 6451-003	EX SAS 6451-002	227	N			8"	VCP	
EX SAS 6451-004	EX SAS 6451-003	220	N			8"	VCP	
EX SAS 6451-004	EX SAS 6451-005	150	N			8"	VCP	
SAS#6	SAS#7	34	N			10"	VCP	
EX SAS 6451-005	EX SAS 6451-006	163	N			8"	VCP	
EX SAS 6451-006	EX SAS 6451-008	137	N			8"	VCP	
EX SAS 6451-008	EX SAS 6451-009	127	N			8"	VCP	
SAS#16	EX SAS 6451-010	71	Y	71		8"	VCP	
<b><u>TYLER CIR</u></b>								
EX SAS 6351-006	EX SAS 6351-010	221	Y	74		8"	VCP	
EX SAS 6351-010	EX SAS 6351-011	157	N			8"	VCP	
<b><u>LANCE LN</u></b>								
EX SAS 6451-002	SAS#8A	58	N			8"	VCP	
<b><u>SETH CIR</u></b>								
EX SAS 6451-006	EX SAS 6451-007	207	Y		207	8"	VCP	
<b><u>ALLIS AVE</u></b>								
EX SAS 6551-004	EX SAS 6451-001	240	Y		240	8"	VCP	
EX SAS 6551-021	EX SAS 6551-004	272	Y		272	8"	VCP	
EX SAS 6551-022	EX SAS 6551-021	20	Y		20	8"	PVC	
<b><u>SPAANEM AVE</u></b>								
EX SAS 6551-004	SAS#17B	88	Y		88	8"	VCP	

## NOTES:

# STORM SEWER SCHEDULE

\* REVISION 1 - 8/30/2021 DAO

E DEAN AVE, ALLIS AVE, SETH CIR & TYLER CIR RECONSTRUCT 2021 PROJECT NO. 11432	SHEET NO. U-18
STORM SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>E DEAN AVE (WEST FROM MONONA DR)</b>							
T-1	TAP	10+44.74	LT-18.31	-	884.86	10.29	TAP EX AS6351-015
S-1	4X4 SAS	10+74.85	LT-17.15	895.17	885.01	10.16	FP; W/1550-0054
T-2	TAP	10+74.85	LT-17.15	-	890.24	4.93	RECONNECT EX 12" RCP; (7)
S-2	4X4 SAS	11+44.59	RT-19.29	896.11	885.40	10.71	W/3067-7004-V
S-3	4X4 SAS	12+32.91	RT-16.35	896.86	885.84	11.02	FP; W/3067-7004-V
T-3	TAP	12+32.91	RT-16.35	-	891.37	5.49	RECONNECT EX 12" RCP; (7)
S-4	4X4 SAS	13+06.00	RT-19.95	898.12	886.21	11.91	FP; W/3067-7004-V
T-4	TAP	13+06.00	RT-19.95	-	891.90	5.75	RECONNECT EX 12" RCP; (7)
S-5	4X4 SAS	14+65.30	RT-20.21	900.04	887.03	13.01	W/3067-7004-V
S-6	6X6 SAS	15+50.75	RT-19.04	900.97	887.48	13.49	FP; W/3067-7004-V
S-61	H INLET	16+71.32	RT-13.05	899.53	889.89	9.64	W/3067-7004-V
S-62	H INLET	17+46.28	RT-11.50	897.79	890.74	7.05	FP; W/3067-7004-V; (5)
S-63	TERRACE INLET TYPE 3	18+45.30	RT-15.00	896.22	891.79	4.43	LP; SEE S.D.D. 5.7.12B
S-64	H INLET	18+46.16	RT-28.89	895.80	892.40	3.40	LP; W/R-1878-B7G
S-65	TERRACE INLET TYPE 3	18+45.13	LT-15.00	896.34	892.09	4.25	LP; SEE S.D.D. 5.7.12B
0.00							
<b>TYLER CIR</b>							
S-66	H INLET	84+31.82	RT-13.50	897.26	894.37	2.89	LP; FP; W/3067-7004-VB
S-67	H INLET	84+48.90	LT-13.51	896.91	894.53	2.38	LP; FP; W/3067-7004-VB
<b>MONONA GOLF COURSE</b>							
S-7	4X4 SAS	7+51.01	RT-40.05	900.66	888.59	12.07	W/1550-0054
S-8	3X3 SAS	8+76.64	RT-39.54	894.82	889.09	5.73	W/R-4349-D; (1)(2)
S-9	3X3 SAS	9+26.57	RT-11.28	894.50	889.50	5.00	W/1550-0054
S-10W	OVERFLOW STRUCT	15+15.31	LT-4.89	894.45	889.50	4.95	W/R-1878-B7G;(3)
S-10E	(OVERFLOW STRUCT)	15+17.07	LT-1.59	894.45	889.50	4.95	W/R-1878-B7G;(3)
<b>E DEAN AVE (EAST TOWARD MONONA GOLF COURSE)</b>							
S-11W	TWIN 3'4 SAS	26+06.29	RT-11.51	896.72	890.78	5.94	LP; FP; W/3295-2-7004-V; (6)
S-11E	(TWIN 3X4 SAS)	26+09.83	RT-11.50	896.72	890.78	5.94	LP;FP; (6)
S-12	H INLET	25+86.39	RT-11.50	896.82	892.82	4.00	W/3067-7004-V
S-15	4X4 SAS	28+17.20	RT-11.50	896.84	891.92	4.92	LP; W/3067-7004-VB
S-15A	H INLET	28+17.02	LT-17.50	897.56	894.16	3.40	LP; W/3067-7004-VB
S-16	4X4 SAS	29+18.93	RT-11.50	896.75	892.48	4.27	LP; W/3067-7004-VB
S-16A	H INLET	29+19.02	LT-11.50	896.95	893.75	3.20	LP; W/3067-7004-VB
S-17	H INLET	30+24.98	RT-11.50	896.85	893.06	3.79	LP; W/3067-7004-VB
S-18	H INLET	30+66.87	RT-11.50	897.02	893.29	3.73	W/3067-7004-V
S-18A	3X3 SAS	30+67.51	LT-11.50	896.72	893.66	3.06	LP; FP W/3067-7004-VB
S-18B	H INLET	30+70.04	LT-30.79	895.82	893.82	2.00	LP; FP; W/R-1878-B7G
S-19	H INLET	31+57.75	RT-11.50	898.30	893.90	4.40	W/3067-7004-V
S-20	H INLET	32+50.35	RT-17.47	900.78	895.82	4.96	W/3067-7004-V
S-20A	H INLET	32+50.35	LT-11.50	900.27	896.77	3.50	W/3067-7004-V

## 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>E DEAN AVE (WEST FROM MONONA DR)</b>										
P-1	T-1	S-1	884.86	885.01	30	28	0.50%	24" x 38"	HERCP	
P-2	S-1	S-2	885.01	885.40	79	74	0.50%	24" x 38"	HERCP	
P-3	S-2	S-3	885.40	885.84	88	84	0.50%	24" x 38"	HERCP	
P-4	S-3	S-4	885.84	886.21	73	69	0.50%	24" x 38"	HERCP	
P-5	S-4	S-5	886.21	887.03	163	159	0.50%	24" x 38"	HERCP	
P-6	S-5	S-6	887.03	887.48	90	85	0.50%	24" x 38"	HERCP	
P-61	S-6	S-61	887.98	889.89	125	120	1.53%	18"	TYPE 1	
P-62	S-61	S-62	889.99	890.74	75	72	1.00%	18"	TYPE 2	
P-63	S-62	S-63	890.84	891.79	95	93	1.00%	18"	TYPE 2	
P-64	S-63	S-64	892.29	892.40	14	11	0.79%	12"	TYPE 2	
P-65	S-63	S-65	891.89	892.09	30	27	0.67%	18"	TYPE 1	
<b>TYLER CIR</b>										
P-66	S-66	S-67	894.37	894.53	32	30	0.51%	12"	TYPE 1	
<b>MONONA GOLF COURSE</b>										
P-7	S-6	S-7	887.48	888.59	222	216	0.50%	24"	TYPE 2	
* P-8	S-7	S-8	888.59	889.09	128	125	0.39%	24"	TYPE 2	
P-9	S-8	S-9	889.09	889.50	57	54	0.71%	12"	TYPE 2	
P-10	S-9	S-10W	889.50	889.50	582	579	0.00%	12"	PVC	(4)
P-11E	S-10E	S-11E	889.50	890.78	256	253	0.50%	30"	TYPE 2	
P-11W	S-10W	S-11W	889.50	890.78	256	253	0.50%	30"	TYPE 2	
<b>E DEAN AVE (EAST TOWARD MONONA GOLF COURSE)</b>										
P-12	S-11W	S-12	892.28	892.82	20	16	2.71%	12"	TYPE 2	
P-15	S-11E	S-15	890.78	891.92	207	203	0.55%	24" x 38"	HERCP	
P-15A	S-15	S-15A	893.00	894.16	29	26	4.00%	12"	TYPE 1	
P-16	S-15	S-16	891.92	892.48	102	98	0.55%	24" x 38"	HERCP	
P-16A	S-16	S-16A	893.56	893.75	23	20	0.83%	12"	TYPE 1	
P-17	S-16	S-17	892.48	893.06	106	103	0.55%	21"	TYPE 1	
P-18	S-17	S-18	893.06	893.29	42	39	0.55%	21"	TYPE 1	
P-18A	S-18	S-18A	893.54	893.66	23	21	0.50%	15"	TYPE 1	
P-18B	S-18A	S-18B	893.66	893.82	19	17	0.82%	15"	TYPE 2	
P-19	S-18	S-19	893.39	893.90	93	90	0.55%	21"	TYPE 1	
P-20	S-19	S-20	893.80	895.82	98	95	2.06%	21"	TYPE 1	
P-20A	S-20	S-20A	896.57	896.77	29	27	0.69%	12"	TYPE 1	

### SPECIFIC NOTES:

- (1) WELD BARS FOR 6" OPENING ON GRATE
- (2) PROVIDE 18" OPENING AND CAP EI(S) = 889.09 (18")
- (3) SEE BID ITEM 90044 & 3; CENTER OF STRUCTURES PROVIDED
- (4) DIRECTIONAL DRILL; SEE BID ITEM 90049
- (5) RECONNECT EX 15" RCP; EI(N) = 893.82 (15")
- (6) S-11W & S-11E ARE TO BE CONSTRUCTED AS TWIN 3'X4' STRUCTURE SEE BID ITEM90046; CENTER OF CASTING PROVIDED
- (7) INCIDENTAL TO FIELD POUR STRUCTURE

### STANDARD NOTES:

- 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 XXXXXXXX OF CITY ENGINEERING AT (608) XXXXXX FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO XXXXX@CITYOFMADISON.COM.



# STORM SEWER SCHEDULE

\* REVISION 1 - 8/30/2021 DAO

E DEAN AVE, ALLIS AVE, SETH CIR & TYLER CIR RECONSTRUCT 2021 PROJECT NO. 11432	SHEET NO. U-19
STORM SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>E DEAN AVE (EAST TOWARD MONONA GOLF COURSE)</b>							
S-21	4X4 SAS	33+76.65	RT-18.37	905.88	899.84	6.04	FP; W/3067-7004-V
S-22	H INLET	33+81.83	RT-34.36	906.83	902.33	4.50	FP; W/3067-7004-V
S-23	H INLET	34+06.90	RT-30.52	907.79	903.94	3.85	W/3067-7004-V
S-24	H INLET	34+13.94	RT-16.56	907.76	904.26	3.50	LP; W/3067-7004-VB
S-25	H INLET	33+77.68	LT-11.50	905.23	901.73	3.50	W/3067-7004-V
S-26	H INLET	34+22.58	LT-11.50	907.67	904.17	3.50	W/3067-7004-V
S-108	H INLET	37+59.70	LT-13.50	920.47	915.33	5.14	W/3067-7004-V
S-109	H INLET	37+58.17	RT-15.50	921.94	917.65	4.29	LP; W/3067-7004-VB
<b>LANCE LN</b>							
S-13	TERRACE INLET TYPE 3	100+62.95	LT-17.00	896.48	892.23	4.25	LP; SEE S.D.D. 5.7.12B
S-14	TERRACE INLET TYPE 3	100+63.13	RT-17.00	896.67	892.87	3.80	LP; SEE S.D.D. 5.7.12B
<b>ALLIS AVE</b>							
T-5	TAP	59+28.14	RT-15.76	-	904.52	3.32	TAP IN6551-041
S-100	H INLET	57+14.47	RT-12.50	918.76	913.74	5.02	FP; W/3067-7004-V
S-101	H INLET	56+30.80	RT-12.50	924.78	920.63	4.15	FP; W/3067-7004-V
S-102	H INLET	56+30.65	LT-12.50	925.90	921.38	4.52	W/3067-7004-V
S-103	H INLET	56+46.57	LT-17.86	924.83	921.63	3.20	LP; W/3067-7004-VB
S-104	H INLET	57+14.47	LT-12.50	919.97	915.95	4.02	FP; W/3067-7004-V
S-105	H INLET	56+78.02	LT-31.73	923.50	919.78	3.72	W/3067-7004-V
S-106	H INLET	56+51.07	LT-33.72	925.21	920.50	4.71	W/3067-7004-V
S-107	3X3 SAS	51+27.54	LT-17.30	916.80	913.30	3.50	W/R-1878-B7G

## STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>E DEAN AVE</b>					
RS-1	AS6351-012	10+74.85	LT-17.15	4X4 SAS	
RS-2	AS6352-002	14+25.25	RT-22.10	3X3 INLET	
RS-3	AS 6351-004	17+45.95	RT-27.22	3X3 INLET	
RS-4	DT6351-007	18+50.39	RT-23.86	18" AE	INCIDENTAL TO RP-8 REMOVAL
RS-5	UNK AE	18+51.30	RT-20.77	18" AE	INCIDENTAL TO RP-9 REMOVAL
RS-6	UNK AE	18+51.09	LT-15.44	18" AE	INCIDENTAL TO RP-9 REMOVAL
RS-7	IN6451-007	30+70.04	LT-30.79	3X3 INLET	
RS-8	IN6451-009	30+66.16	RT-21.63	3X3 INLET	

## STORM STRUCTURE ADJUSTMENT

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	EX TOC	PROP TOC	NOTES
<b>TYLER CIR</b>							
ADJ-1	IN3651-009	84+15.28	RT-13.10	4X4 SAS	894.52	897.47	INSTALL W/3067-7004-V

## ULO SCHEDULE

ID NO.	STATION	OFFSET	TYPE	NOTES
<b>E DEAN AVE</b>				
ULO1	10+78.95	LT-13.91	GAS	
* ULO2	14+40.62	RT-16.99	3" PL FIBER TOP @ 895.91	
* ULO3	15+50.39	RT-18.84	3" PL FIBER TOP @ 897.46 - NEEDS ADJUSTMENT (ALIGNMENT)	
* ULO4	18+44.66	RT-20.45	3" PL FIBER TOP @ 893.47 - NEEDS ADJUSTMENT (+18")	
ULO5	26+15.49	LT-20.30	GAS	
ULO6	30+64.91	LT-10.09	ELEC	
ULO7	33+74.15	RT-18.28	GAS	
ULO8	37+43.58	LT-36.76	GAS	
ULO13	11+34.39	RT-13.94	GAS	
ULO14	17+42.27	RT-12.58	GAS	
ULO15	28+16.25	LT-19.19	GAS	

## 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>E DEAN AVE (EAST TOWARD MONONA GOLF COURSE)</b>										
P-21	S-20	S-21	895.92	899.84	129	125	3.04%	21"	TYPE 1	
P-22	S-21	S-22	900.34	902.33	17	13	11.84%	15"	TYPE 2	
P-23	S-22	S-23	902.43	903.94	25	23	5.95%	12"	TYPE 1	
P-24	S-23	S-24	904.04	904.26	16	12	1.41%	12"	TYPE 2	
P-25	S-21	S-25	900.59	901.73	30	26	3.81%	12"	TYPE 1	
P-26	S-25	S-26	901.83	904.17	45	42	5.21%	12"	TYPE 2	
<b>LANCE LN</b>										
P-13	S-11E	S-13	891.53	892.23	46	43	1.53%	21"	TYPE 1	
P-14	S-13	S-14	892.48	892.87	34	31	1.15%	18"	TYPE 1	
<b>ALLIS AVE</b>										
P-100	T-5	S-100	904.52	913.74	214	212	4.31%	15"	TYPE 2	
P-101	S-100	S-101	913.84	920.63	84	81	8.12%	15"	TYPE 1	
P-102	S-101	S-102	920.88	921.38	25	23	2.00%	12"	TYPE 1	
P-103	S-102	S-103	921.48	921.63	17	13	2.08%	12"	TYPE 2	
P-104	S-100	S-104	913.84	915.95	25	23	8.44%	15"	TYPE 1	
P-105	S-104	S-105	916.20	919.78	41	39	8.69%	12"	TYPE 2	
P-106	S-105	S-106	919.88	920.50	27	25	2.29%	12"	TYPE 1	
P-107	S-107	S-108	913.30	915.33	34	31	6.04%	12"	TYPE 1	
P-108	S-108	S-109	915.43	917.65	29	27	7.65%	12"	TYPE 2	

## STORM PIPE REMOVALS & ABANDON W/SLURRY

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
<b>E DEAN AVE</b>							
RP-1	ADJ-1	RS-1	30	N	14"X23"	HERCP	
RP-2	RS-1	11+19.97, RT-18.50	58	Y	18"	RCP	ENDS AT A BEND; ABN W/SLURRY
RP-3	11+19.97, RT-18.50	12+32.85, RT-19.38	113	18' PAID	18"	RCP	ENDS AT EX TAP; ABN 18' W/ SLURRY
RP-4	12+32.85, RT-19.38	S-4	73	N	18"	RCP	
RP-5	S-4	RS-2	121	64' PAID	18"	RCP	ABN 64' W/SLURRY
RP-6	RS-2	RS-3	335	205' PAID	18"	RCP	ABN 205' W/SLURRY
RP-7	RS-3	S-62	16	Y	15"	RCP	ABN W/ SLURRY
RP-8	RS-3	RS-4	97	Y	18"	RCP	ABN W/ SLURRY
RP-9	RS-5	RS-6	36	Y	18"	CMP	
RP-10	25+99.20, RT-26.30	25+97.20, LT-20.11	46	Y	12"	CMP	CULVERT
RP-11	RS-7	RS-8	53	10' PAID	19"X30"	HERCP	
RP-12	RS-8	30+88.42, RT-22.60	22	Y	18"	CMP	CULVERT

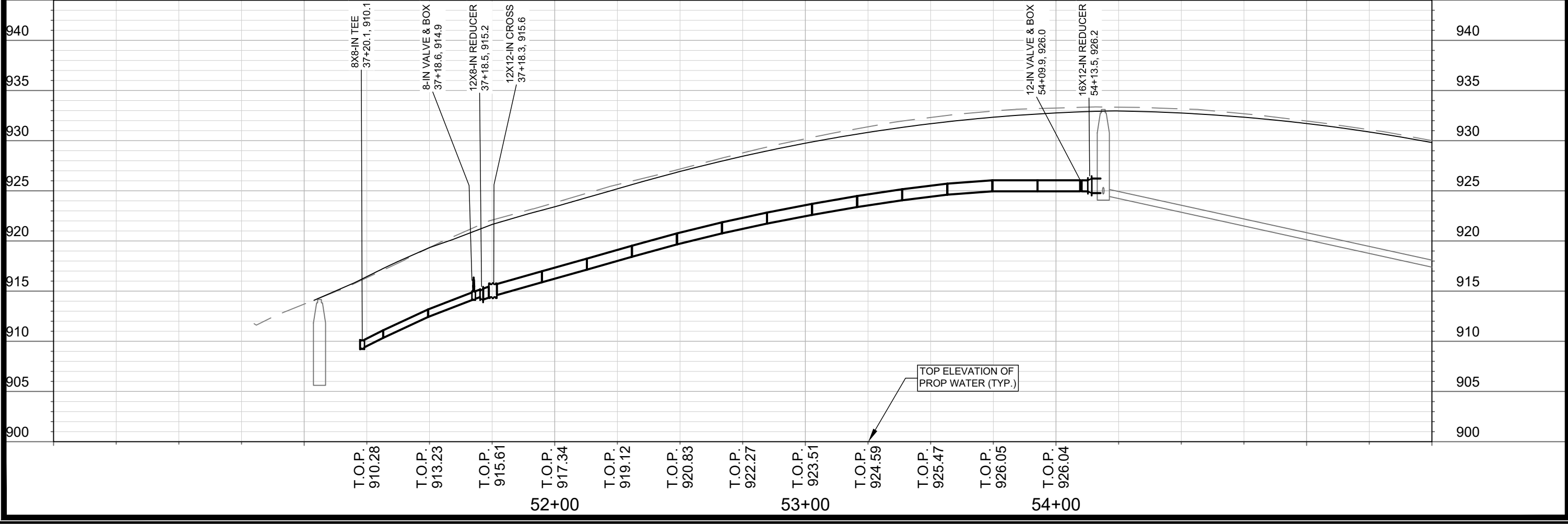
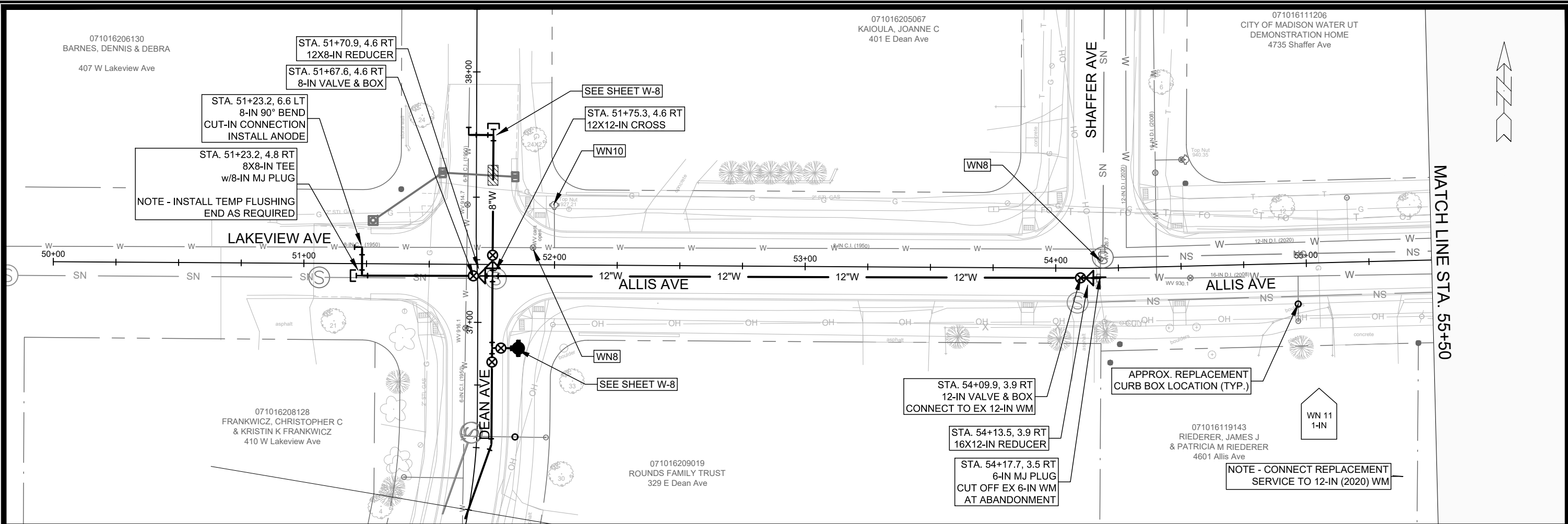
## EASEMENT AT 308 E DEAN

RP-13	IN6451-006	RS-7	179	Y	19"X30"	HERCP	ABN W/ SLURRY
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## ULO SCHEDULE

ID NO.	STATION	OFFSET	TYPE	NOTES
<b>E DEAN AVE</b>				
* ULO16	30+67.81	LT-18.49	1"	ELEC TOP @ 895.10
<b>ALLIS AVE</b>				
ULO9	56+80.85	RT-12.68	GAS	
* ULO10	57+10.27	LT-17.07	2"	PL FIBER TOP @ 917.76 - NEEDS ADJUSTMENT (+24")
ULO11	56+93.44	LT-22.96	GAS	
* ULO12	56+85.67	LT-27.47	2"	PL FIBER TOP @ 918.04

## SPECIFIC NOTES:



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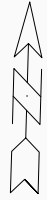
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MADISON, WI  
CONTRACT NO.: 7838

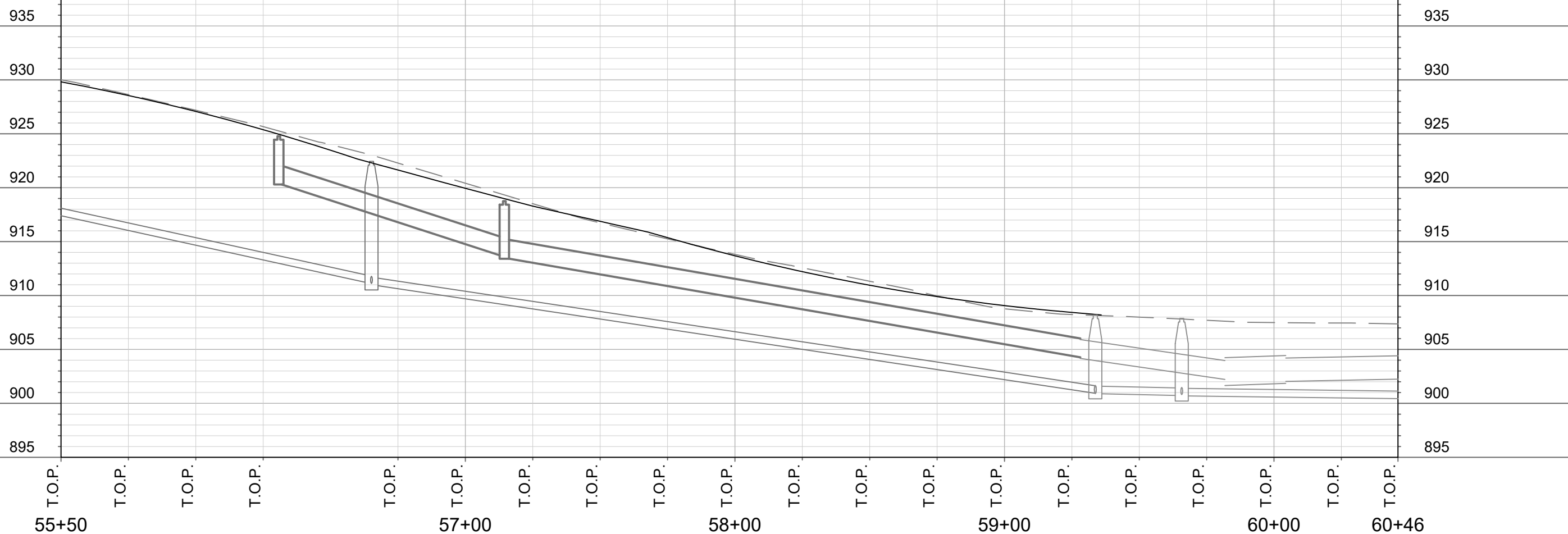
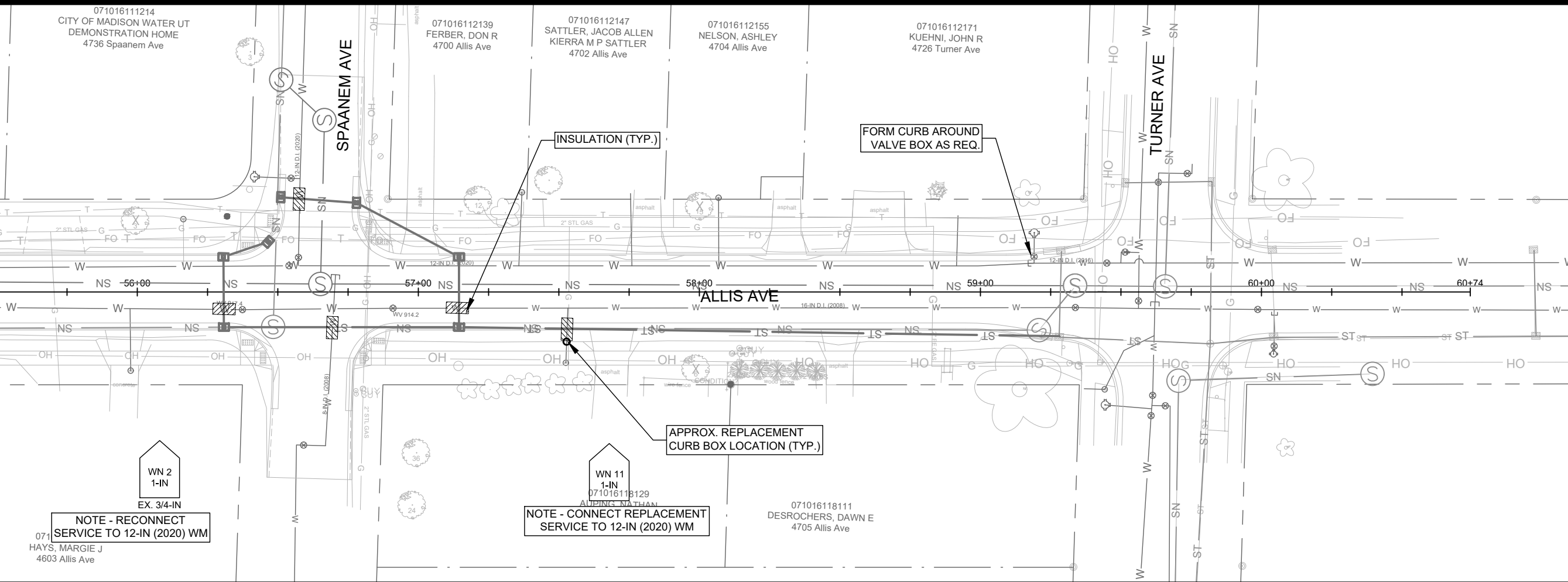
WATER PLAN AND PROFILE - ALLIS AVE  
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021

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MATCH LINE STA. 55+50

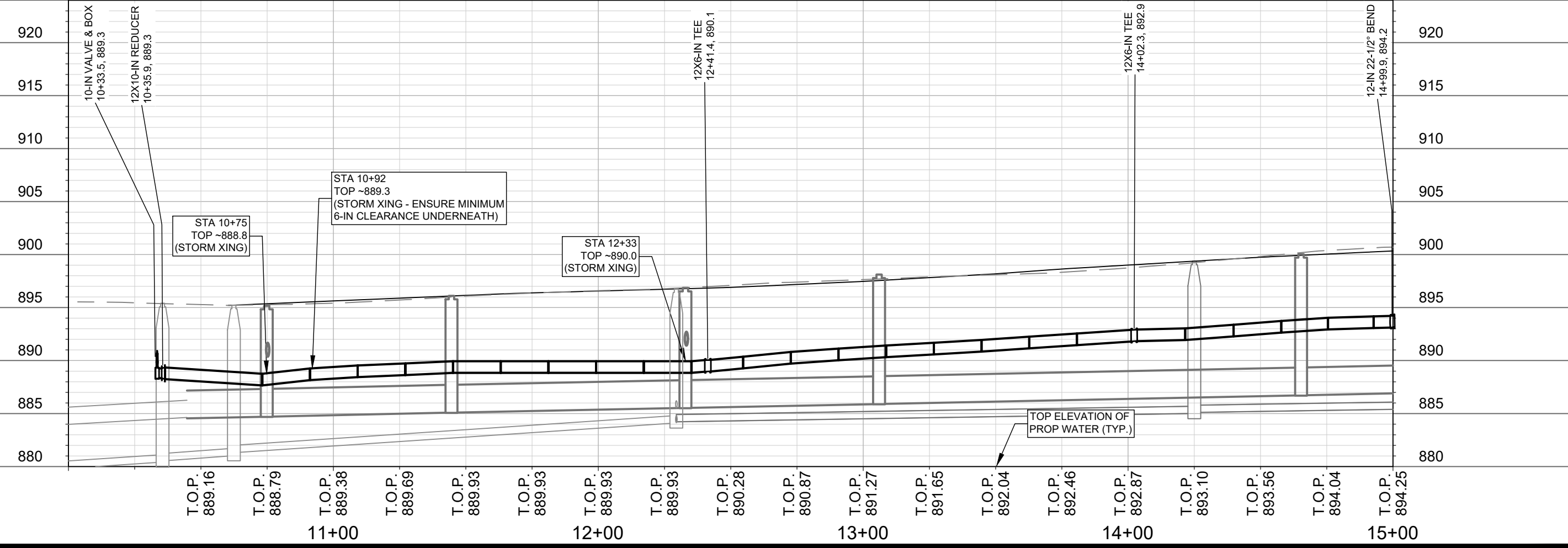
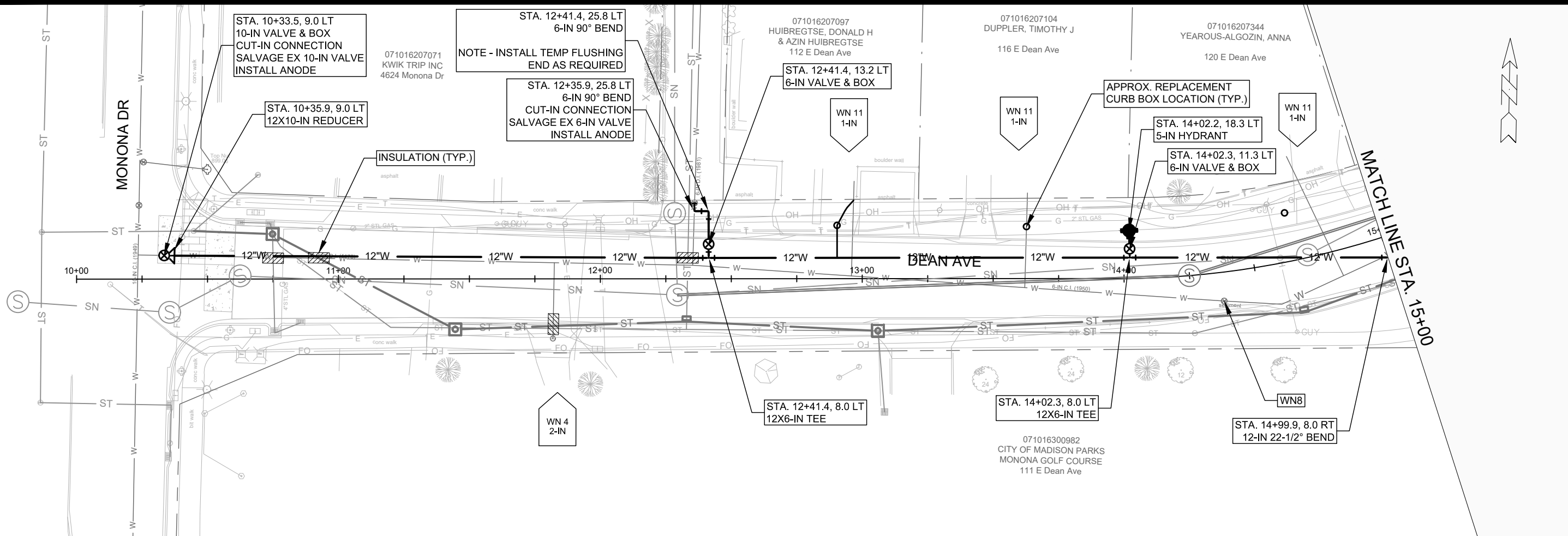


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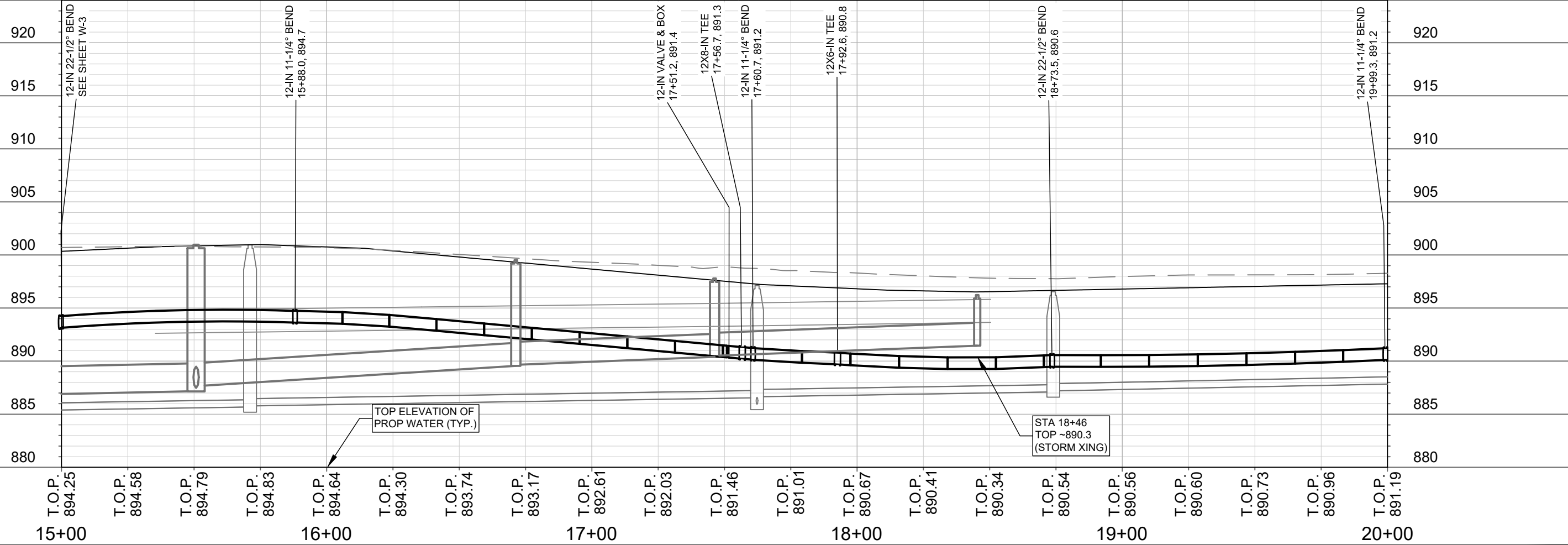
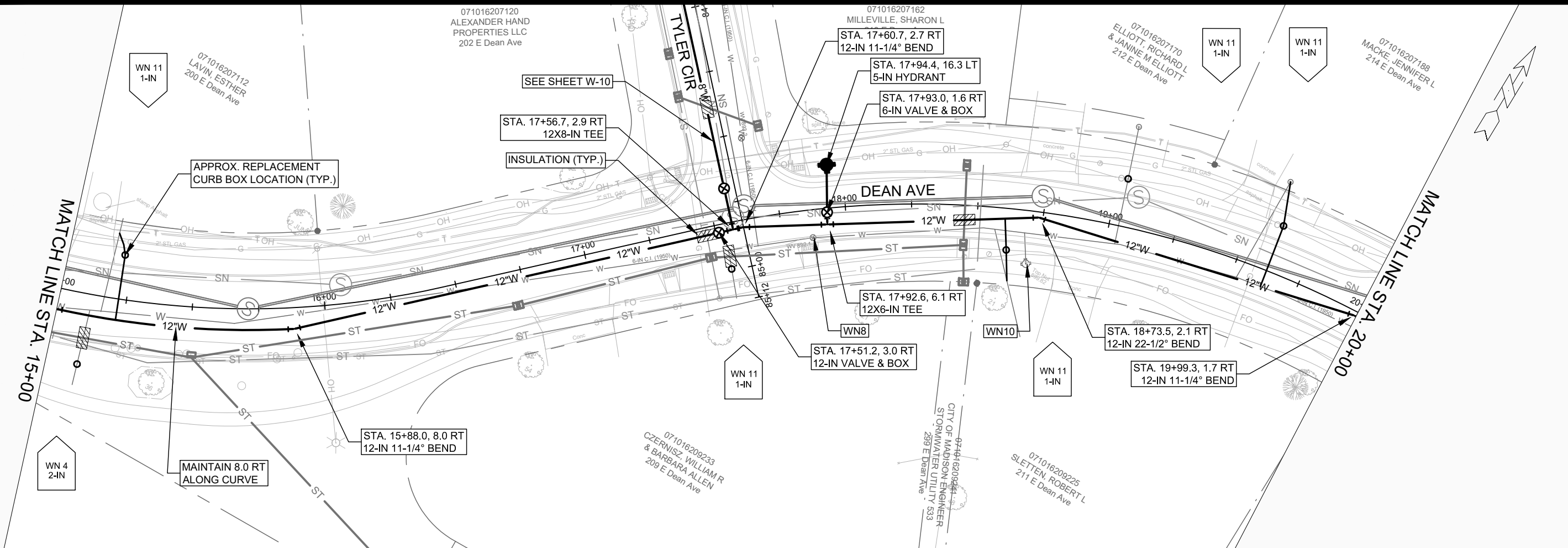
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 MADISON, WI  
 CONTRACT NO: 7838

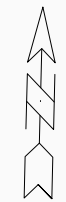
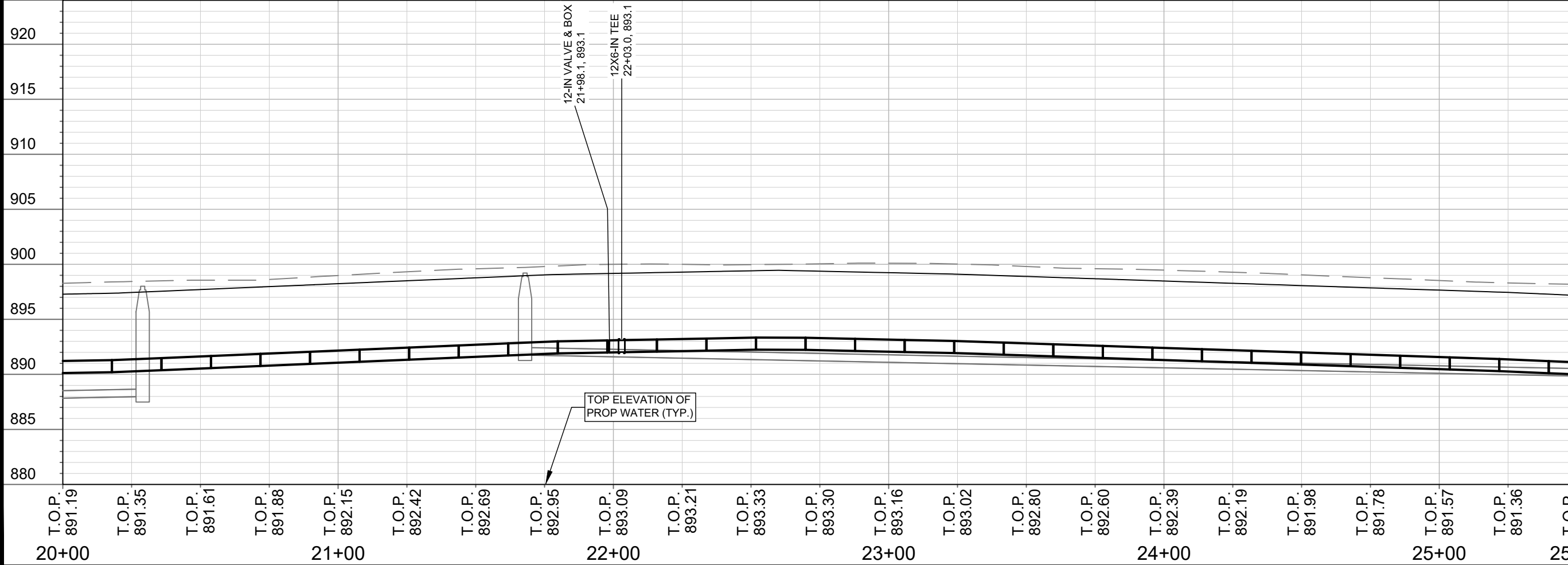
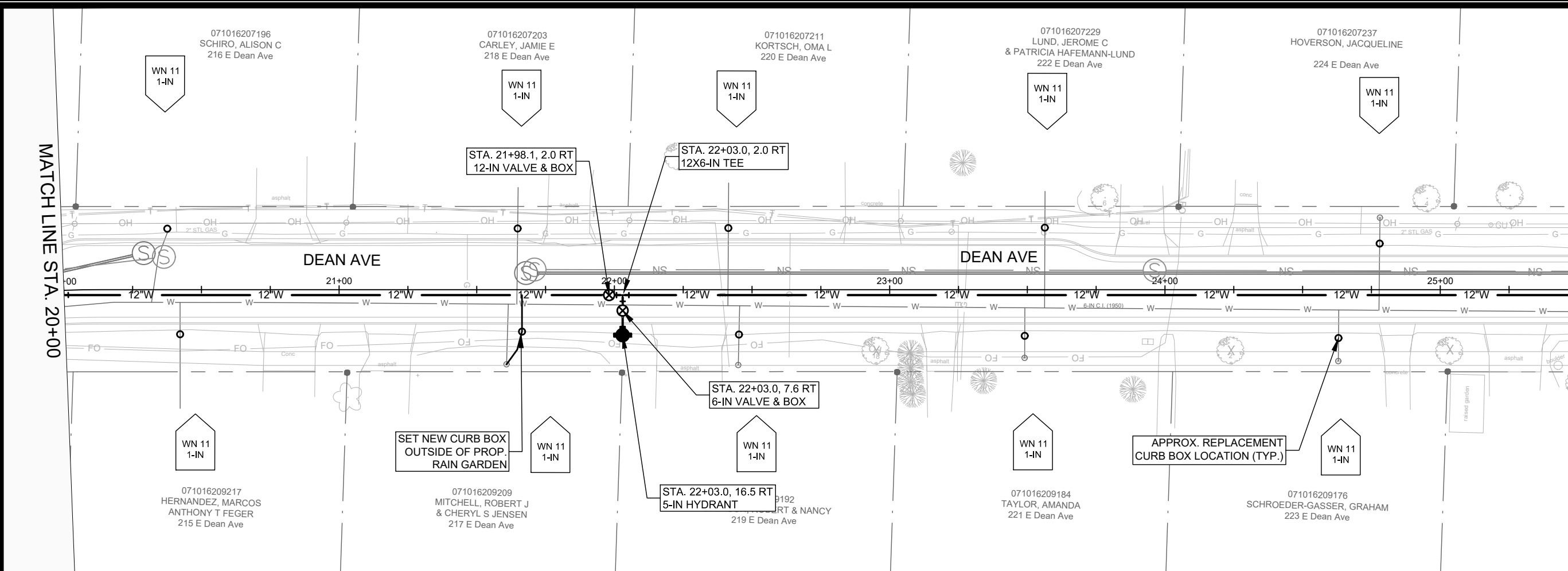
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MATCH LINE STA. 20+00

MATCH LINE STA. 25+50



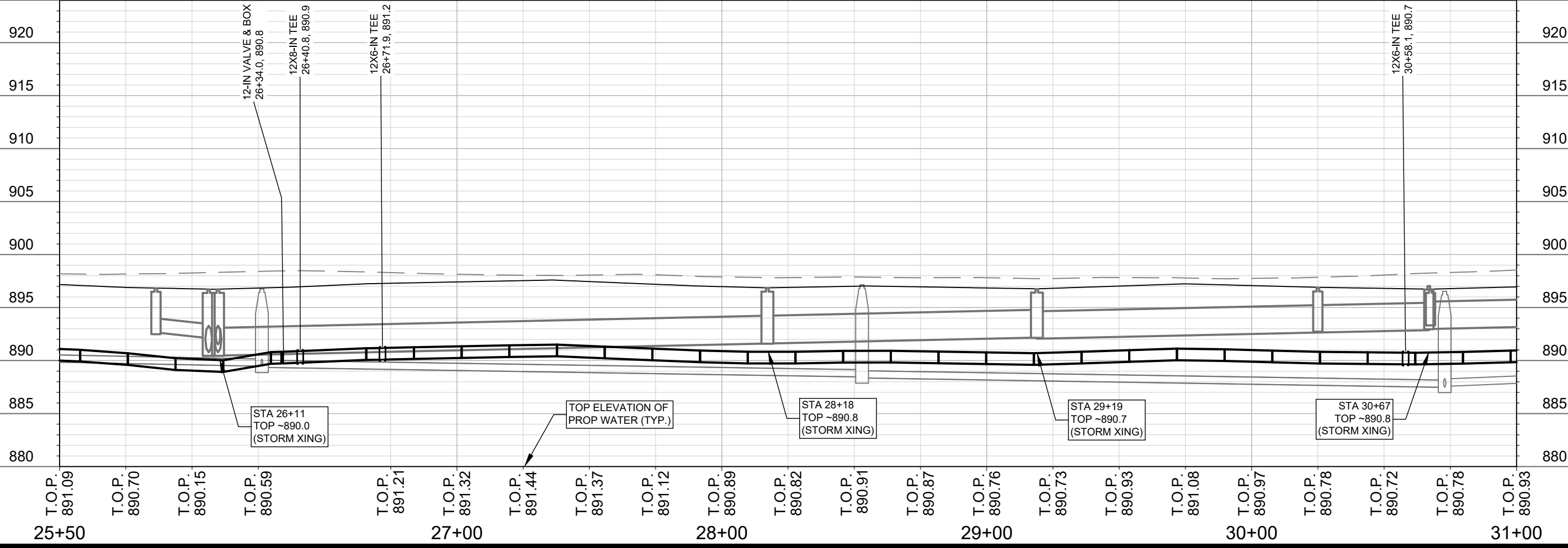
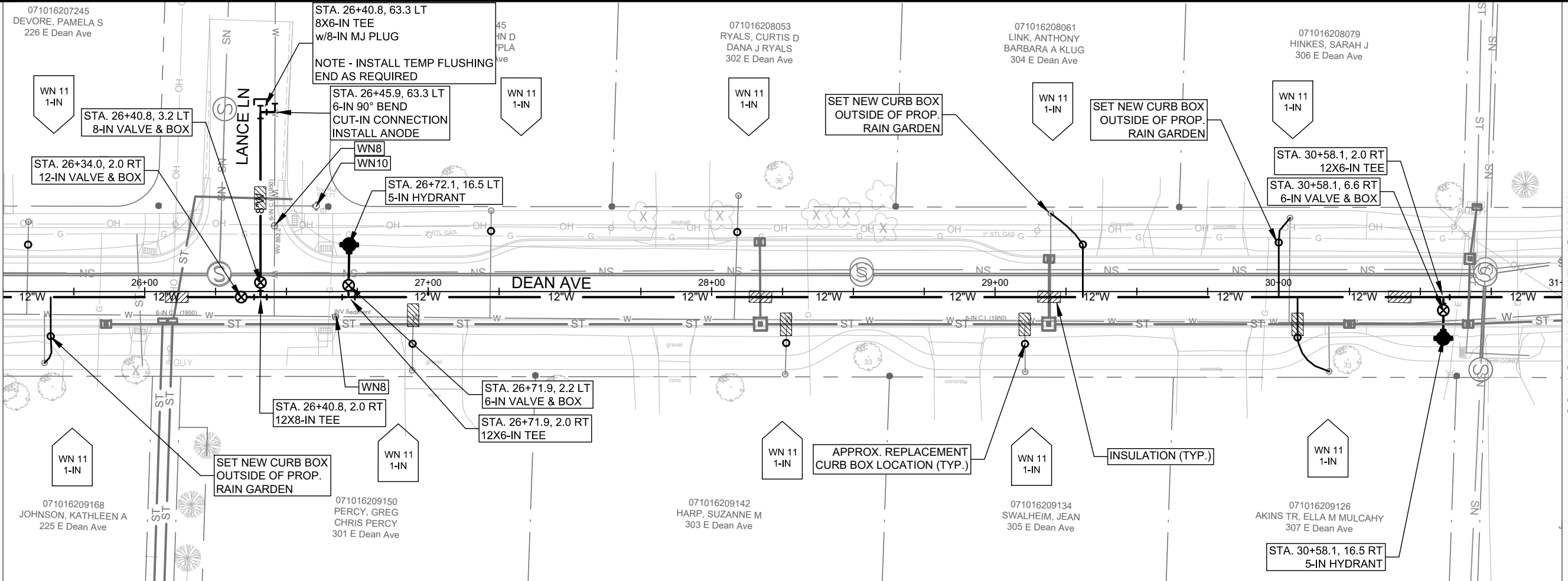
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 MADISON, WI  
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MATCH LINE STA. 25+50

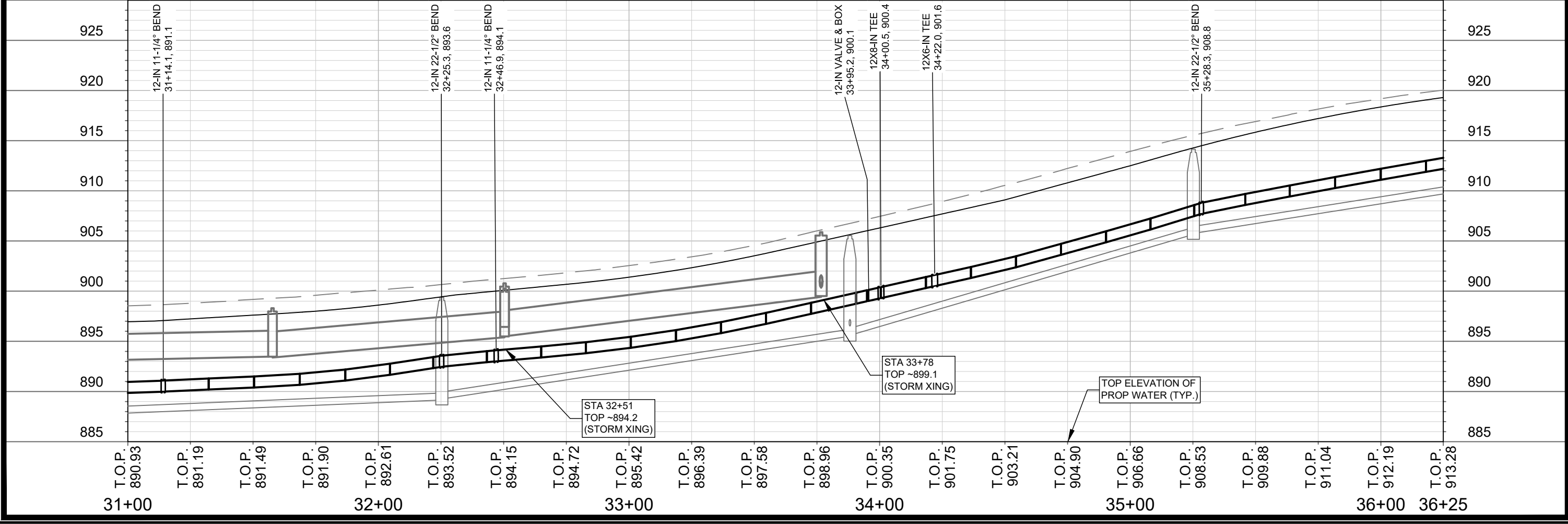
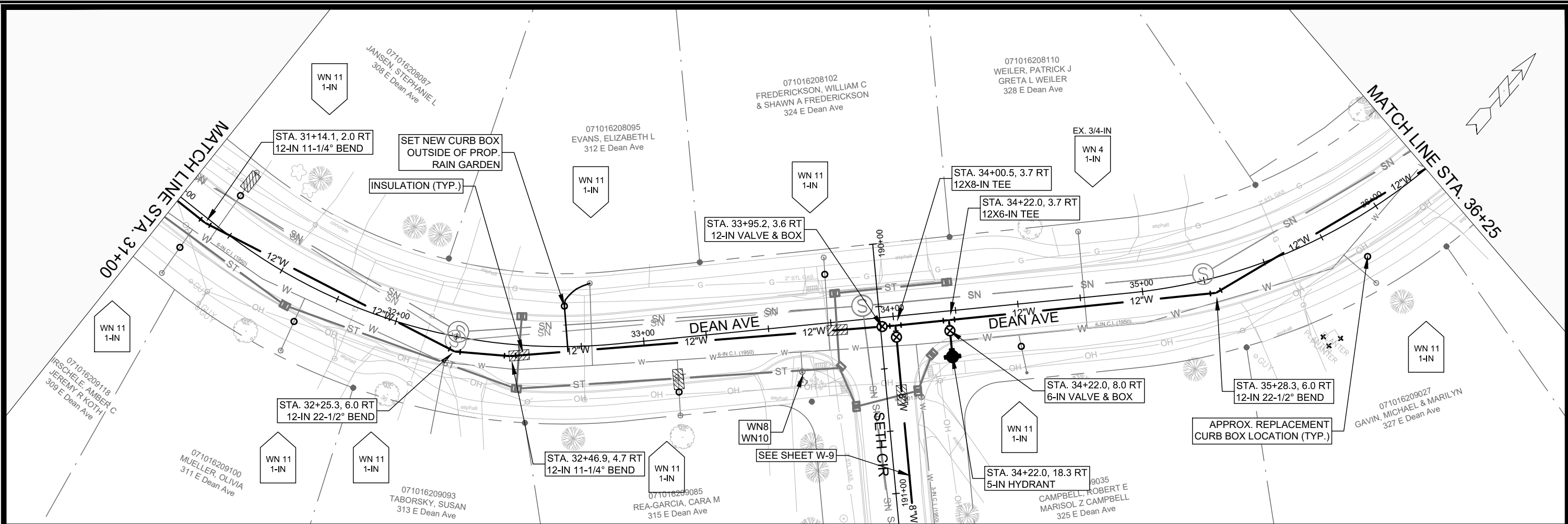
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WATER PLAN AND PROFILE - DEAN AVE

E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021

MADISON, WI

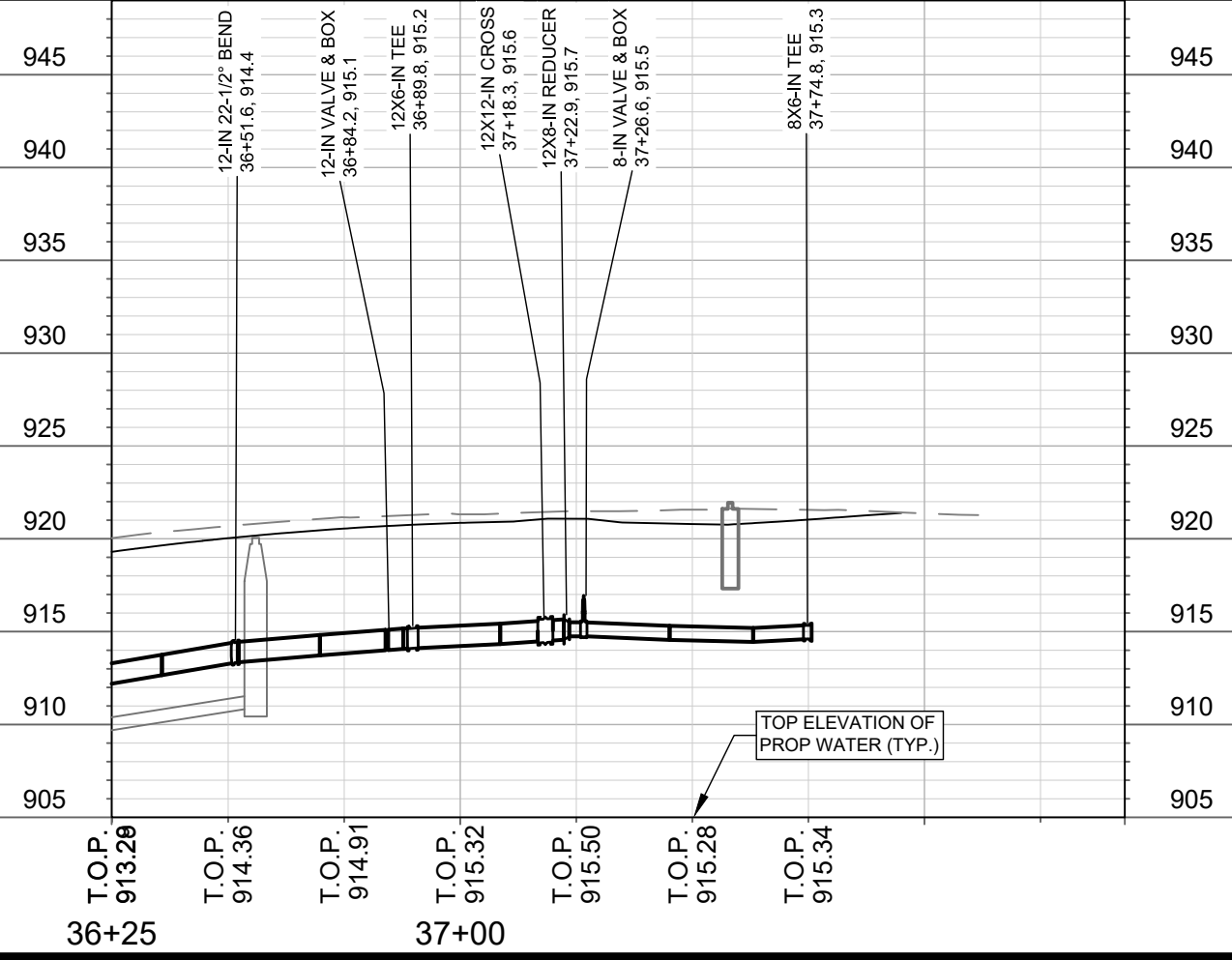
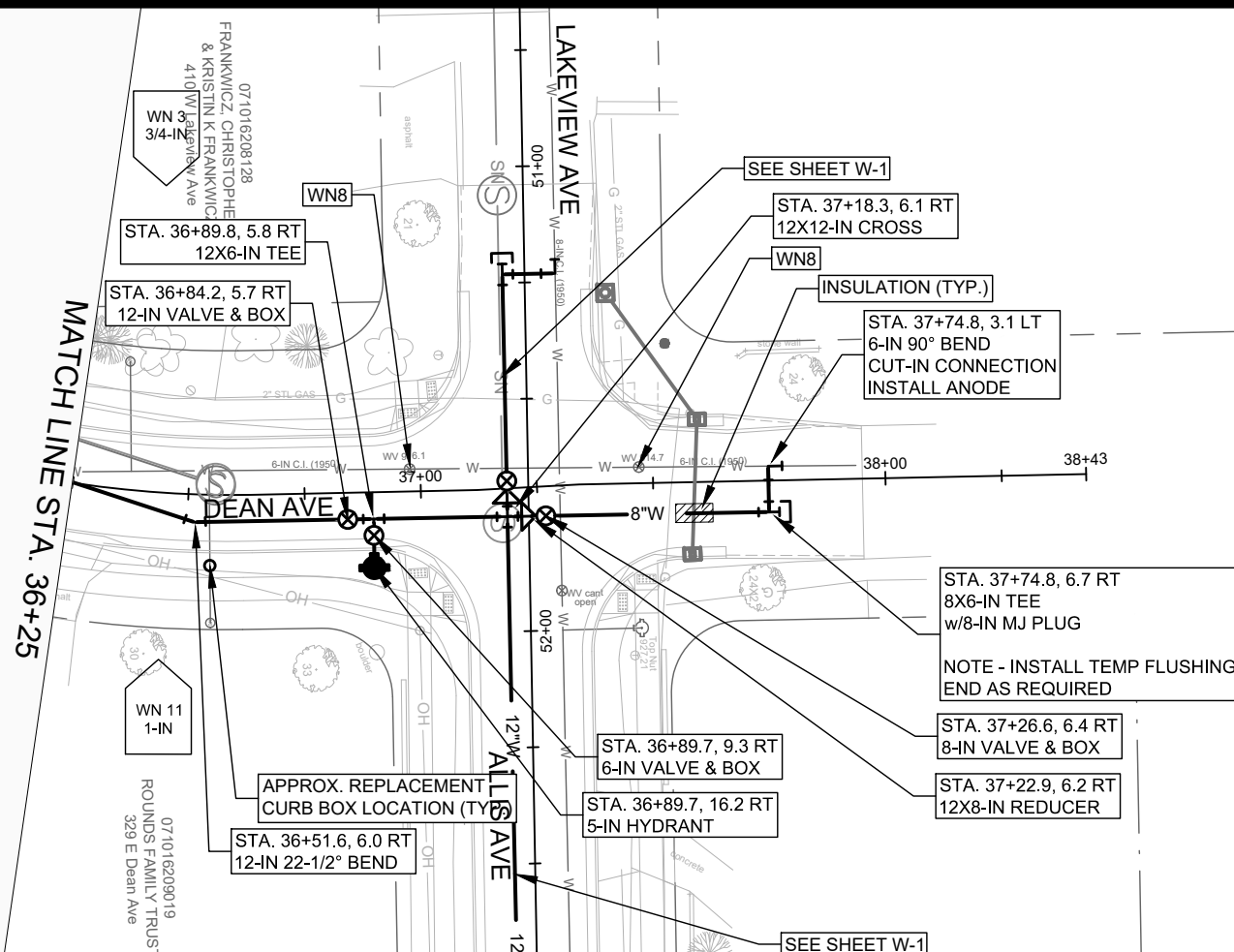
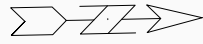
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CONTRACT NO:

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**WATER PLAN AND PROFILE - DEAN AVE**

**E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021**     **MADISON, WI**

11432     7838     CONTRACT NO:

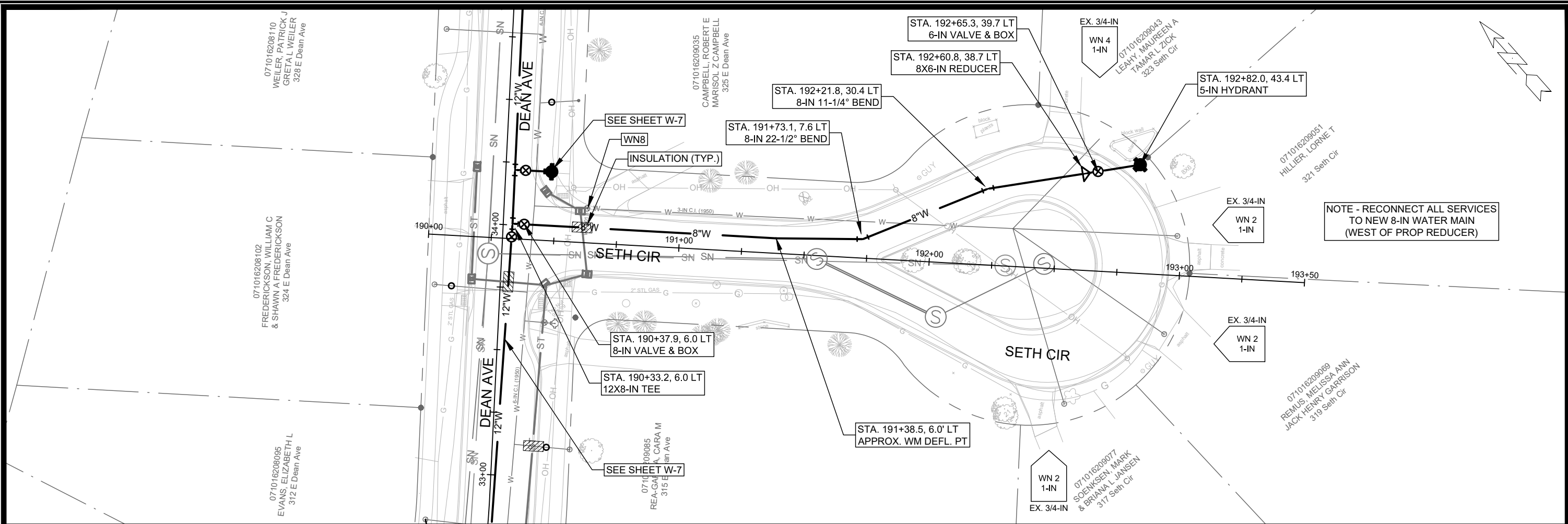
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11432     W-8

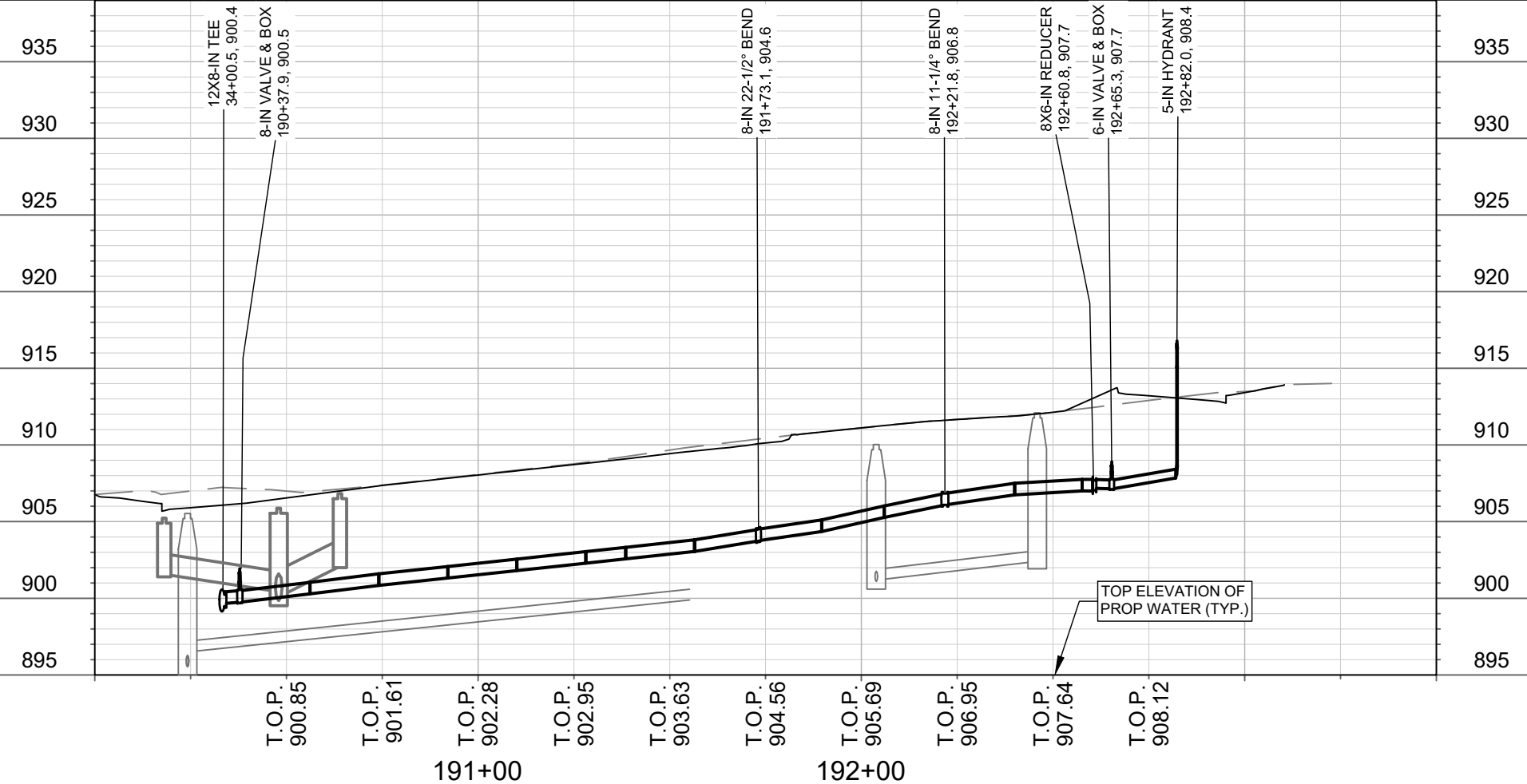
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NOTE - RECONNECT ALL SERVICES TO NEW 8-IN WATER MAIN (WEST OF PROP REDUCER)



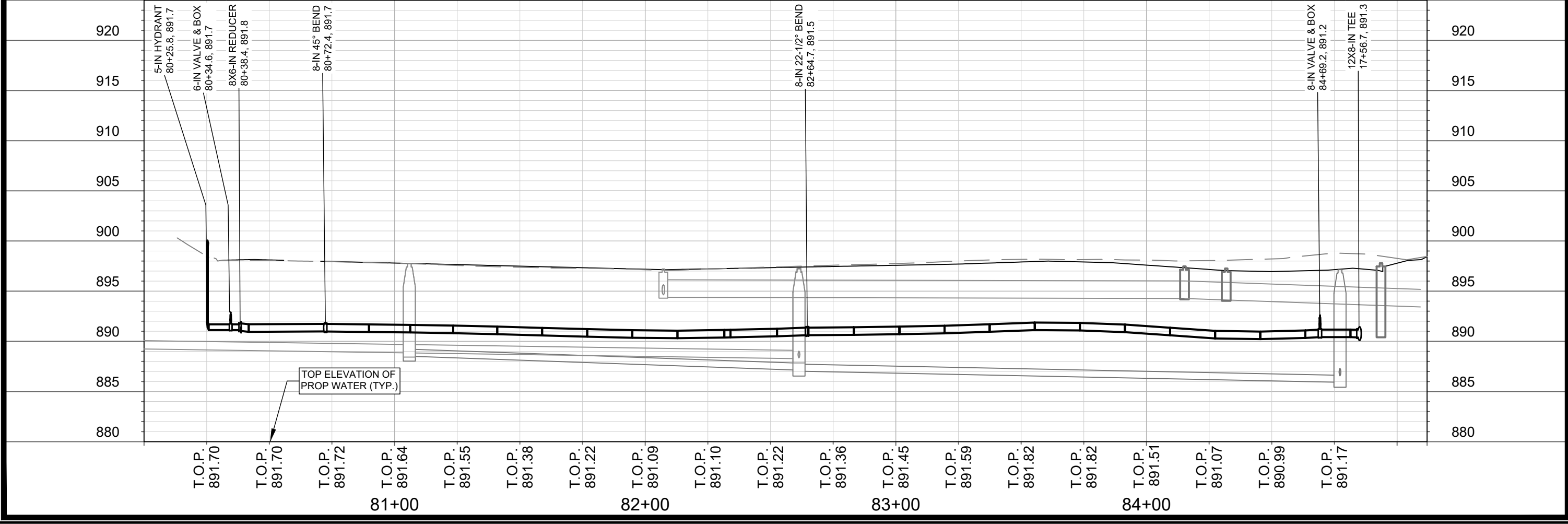
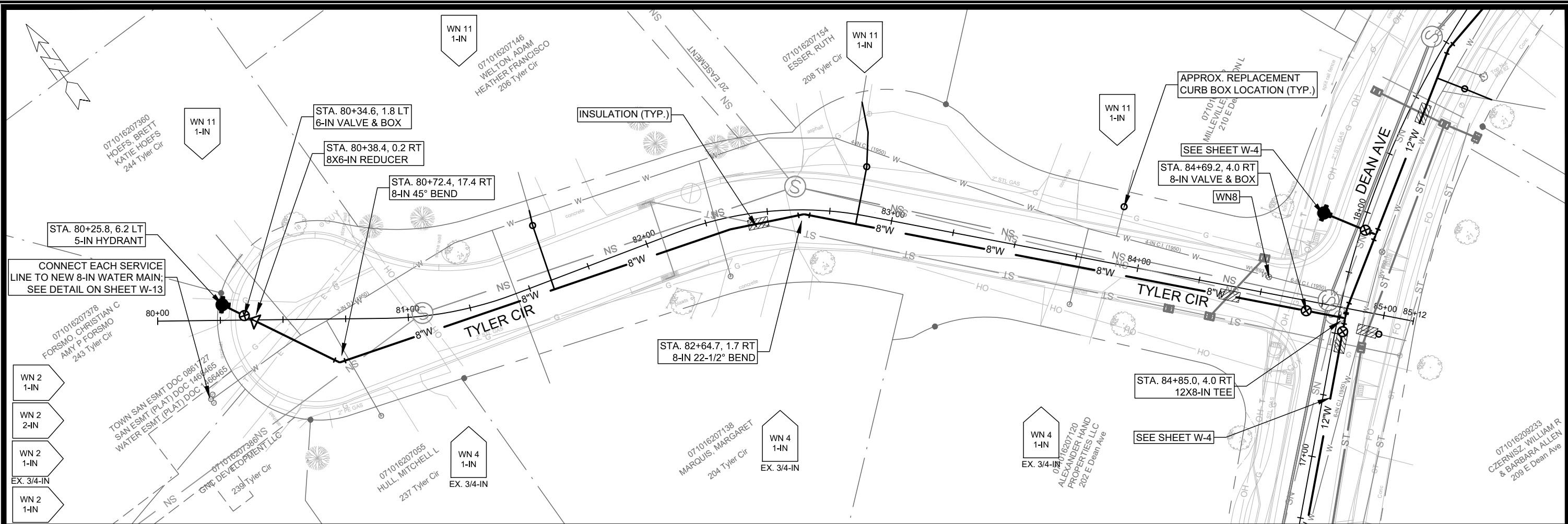
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 MADISON, WI  
 CONTRACT NO: 7838

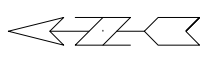
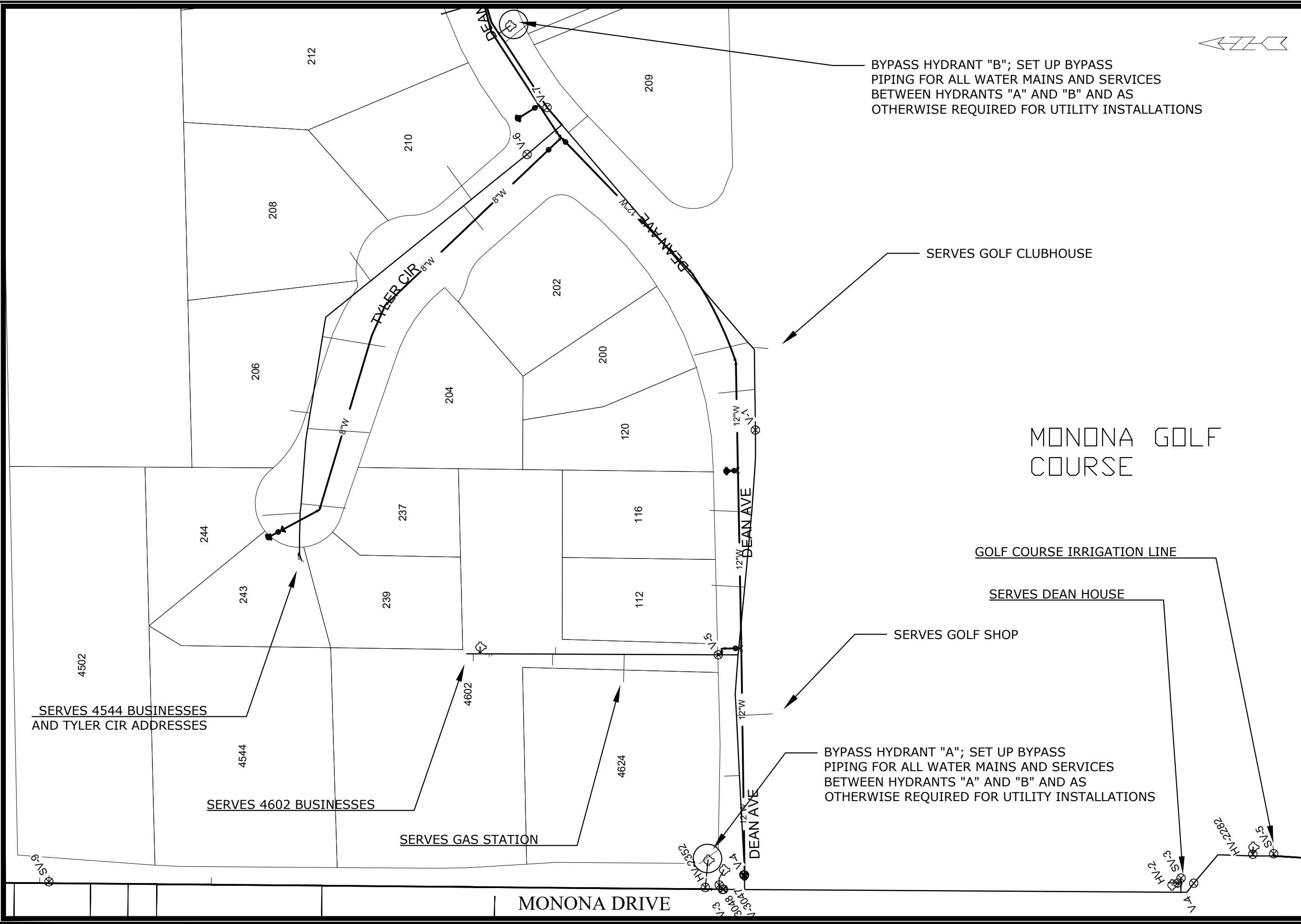


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11432	WATER PLAN AND PROFILE - TYLER CIR
7838	E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
11432	MADISON, WI
W-10	CONTRACT NO.:

City of Madison Wisconsin  
 11432  
 W-10



BYPASS HYDRANT "B"; SET UP BYPASS PIPING FOR ALL WATER MAINS AND SERVICES BETWEEN HYDRANTS "A" AND "B" AND AS OTHERWISE REQUIRED FOR UTILITY INSTALLATIONS

SERVES GOLF CLUBHOUSE

MONONA GOLF COURSE

GOLF COURSE IRRIGATION LINE

SERVES DEAN HOUSE

SERVES GOLF SHOP

BYPASS HYDRANT "A"; SET UP BYPASS PIPING FOR ALL WATER MAINS AND SERVICES BETWEEN HYDRANTS "A" AND "B" AND AS OTHERWISE REQUIRED FOR UTILITY INSTALLATIONS

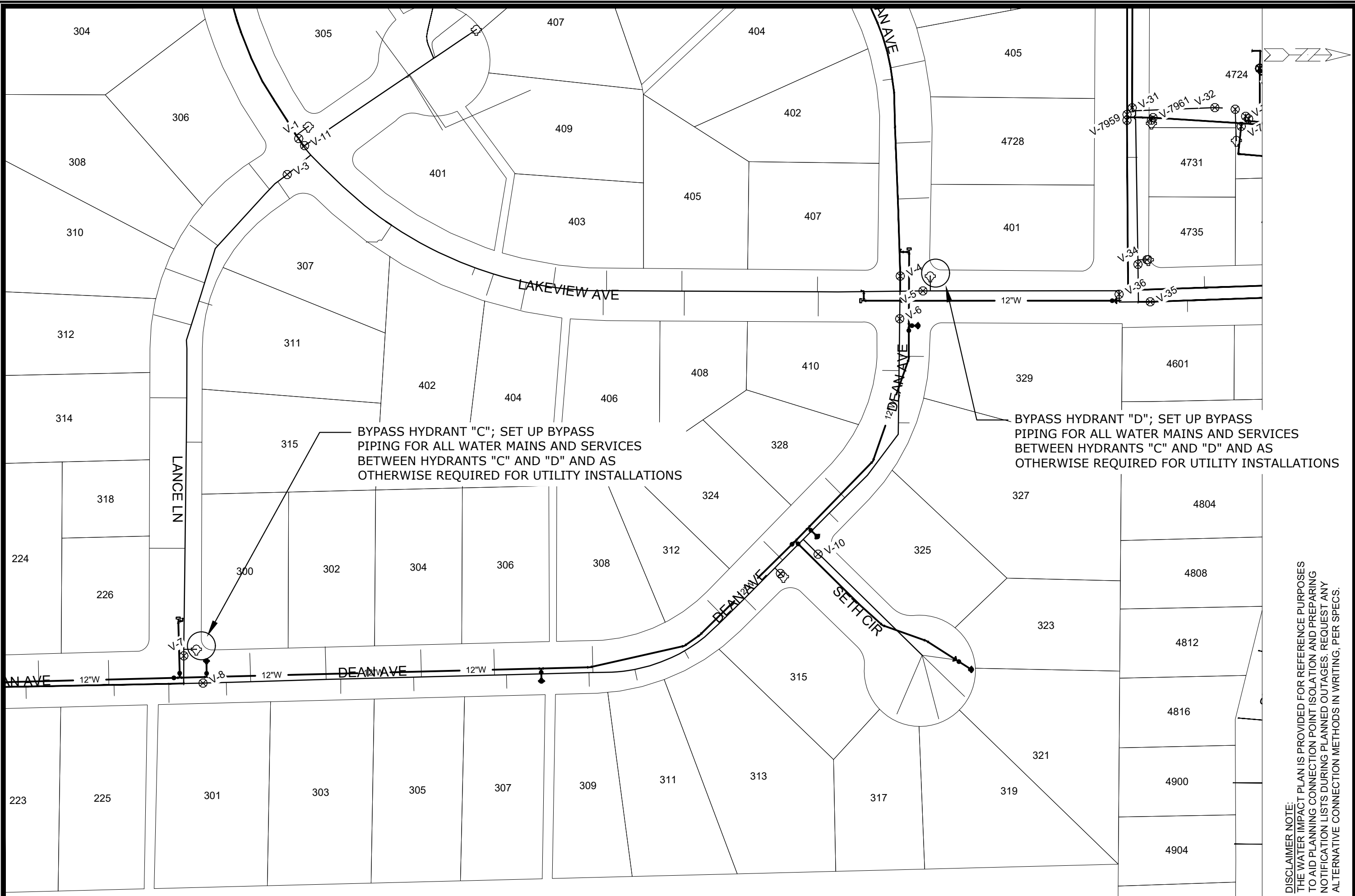
SERVES 4544 BUSINESSES AND TYLER CIR ADDRESSES

SERVES 4602 BUSINESSES

SERVES GAS STATION

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

<p>SCALE: 1" = 80' DESIGNED BY: PEH MADISON WATER UTILITY 119 E OLIN AVE, MADISON, WI 53713 PRINTING DATE: 4/15/21</p>	
<p>E. DEAN AVE., ALLIS AVE., SETH CIR. &amp; TYLER CIR. RECONSTRUCT 2021</p>	
<p>WATER IMPACT PLAN WATER SHEETS</p>	
<p>CITY OF MADISON, WISCONSIN</p>	
<p>11432</p>	<p>CONTRACT NO: 7838</p>
<p>W-11</p>	



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

SCALE: 1" = 100'  
 DESIGNED BY: PEH  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 4/15/21

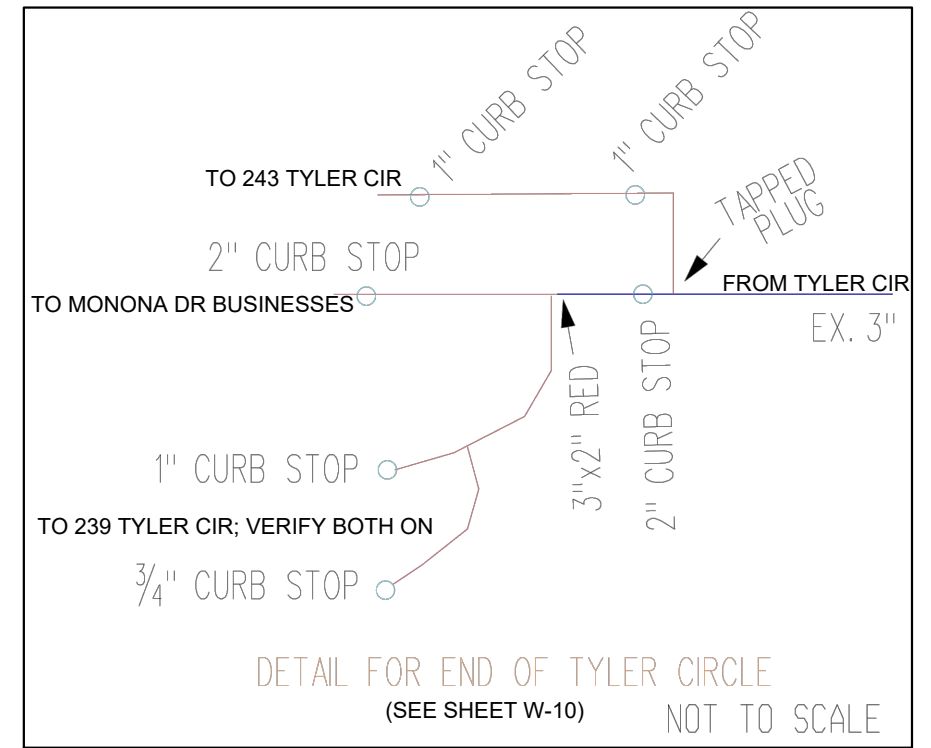
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 WATER IMPACT PLAN WATER SHEETS  
 CITY OF MADISON, WISCONSIN  
 CONTRACT NO: 7838

11432  
 W-12

**CONSTRUCTION NOTES:**

1. CONSTRUCT NEW WATER MAIN BELOW FINISHED GRADE AS NOTED IN THE PROFILES. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY THE ENGINEER AS HAVING INADEQUATE COVER.
2. MINIMIZE DISRUPTIONS OF SERVICE TO EXISTING WATER CUSTOMERS. NOTIFY PER STANDARD SPECIFICATION REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
3. THE EXISTING UTILITIES SHOWN ON THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. THE CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED AND MARKED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.



SCALE: N/A  
 DESIGNED BY: PEH  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 4/15/21

E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 WATER ESTIMATE OF MATERIALS  
 CONTRACT NO: 7838

E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 WATER ESTIMATE OF MATERIALS  
 CITY OF MADISON, WISCONSIN



11432  
 W-13

\\GISSERVER\DATA\DESIGN\PROJECTS\11432\C3D\WATER\11432WU-MATERIALS.DWG

**ESTIMATE OF NEW MATERIALS\***

DESCRIPTION	QUANTITY	UNIT
6-INCH WATER PIPE	170	LNFT
8-INCH WATER PIPE	860	LNFT
10-INCH WATER PIPE	<5	LNFT
12-INCH WATER PIPE	2920	LNFT
16-INCH WATER PIPE	<5	LNFT
6-INCH WATER VALVE & BOX	10	EACH
8-INCH WATER VALVE & BOX	5	EACH
10-INCH WATER VALVE & BOX	1	EACH
12-INCH WATER VALVE & BOX	6	EACH
1-INCH CURB BOX AND STOP	45	EACH
1-INCH COPPER SERVICE PIPING	AS REQ.	LNFT
2-INCH COPPER SERVICE PIPING	AS REQ.	LNFT
6-IN MJ PLUG	1	EACH
8-IN MJ PLUG	3	EACH
12X12-IN CROSS	1	EACH
6-IN 90° BEND	4	EACH
8-IN 90° BEND	1	EACH
8-IN 45° BEND	1	EACH
8-IN 22-1/2° BEND	2	EACH
12-IN 22-1/2° BEND	5	EACH
8-IN 11-1/4° BEND	1	EACH
12-IN 11-1/4° BEND	5	EACH
8X6-IN REDUCER	2	EACH
12X8-IN REDUCER	2	EACH
12X10-IN REDUCER	1	EACH
16X12-IN REDUCER	1	EACH
8X6-IN TEE	2	EACH
8X8-IN TEE	1	EACH
12X6-IN TEE	8	EACH
12X8-IN TEE	3	EACH
5-IN HYDRANT	9	EACH
STYROFOAM INSULATION BOARDS	30	EACH
ANODE	5	EACH

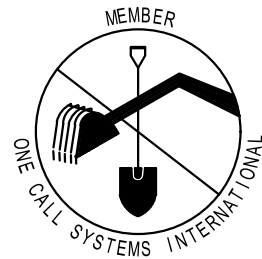
**ESTIMATE OF REUSED AND SALVAGED MATERIALS\***

DESCRIPTION	QUANTITY	TYPE
5-IN HYDRANT	4	SALVAGE
10-INCH WATER VALVE & BOX	1	SALVAGE

\* ESTIMATES OF MATERIALS ARE FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

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.

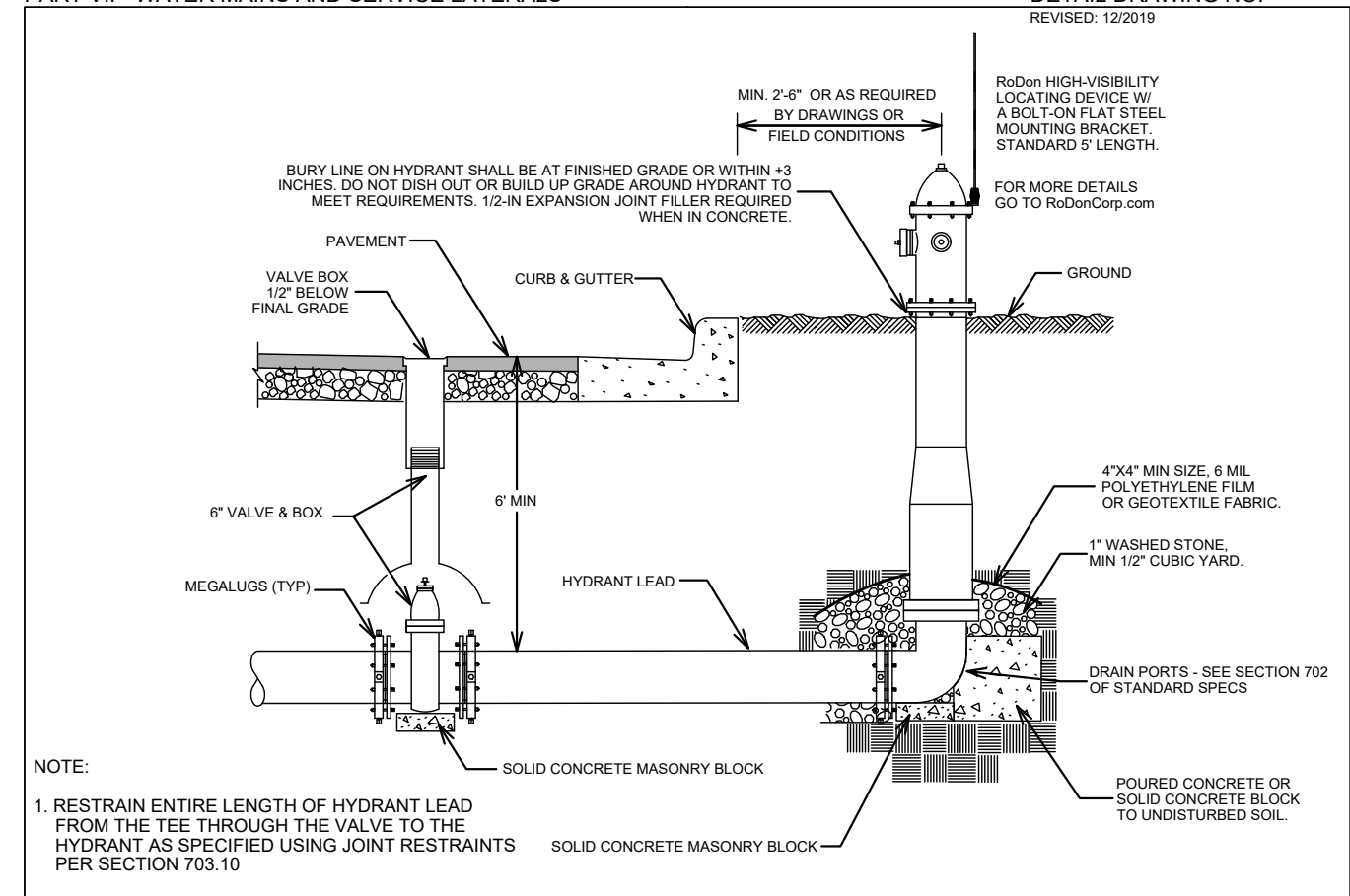


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

**PART VII - WATER MAINS AND SERVICE LATERALS**

**DETAIL DRAWING NO. 7.04**

REVISED: 12/2019



**NOTE:**

1. RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

CITY OF MADISON  
 WATER UTILITY

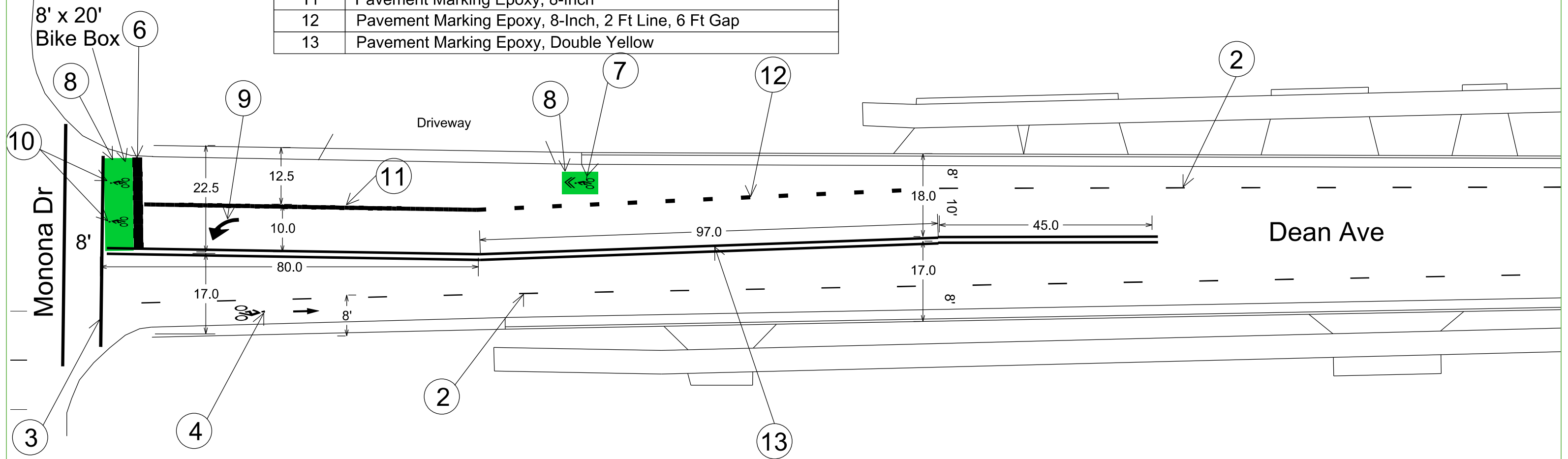
NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

Pavement Marking Plan

CITY OF MADISON

Callout	Description
1	Pavement Marking Epoxy, 6-Inch
2	Pavement Marking Epoxy, 6-Inch, 4Ft Line, 12Ft Gap
3	Pavement Marking Epoxy, Crosswalk, 6-Inch
4	Pavement Marking Epoxy, Symbol, Bike Lane
5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy, Stop Line, 24-Inch
7	Pavement Marking Epoxy, Symbol, Bike Sharrow
8	Green High Friction MMA Pavement Marking
9	Pavement Marking Epoxy, Symbol, Left Turn
10	Pavement Marking Epoxy, Symbol, Bike
11	Pavement Marking Epoxy, 8-Inch
12	Pavement Marking Epoxy, 8-Inch, 2 Ft Line, 6 Ft Gap
13	Pavement Marking Epoxy, Double Yellow



Callout	Description
1	Pavement Marking Epoxy, 6-Inch
2	Pavement Marking Epoxy, 6-Inch, 4Ft Line, 12Ft Gap
3	Pavement Marking Epoxy, Crosswalk, 6-Inch
4	Pavement Marking Epoxy, Symbol, Bike Lane
5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy, Stop Line, 24-Inch



See sheet 1 for Dean and Monona Intersection Design

DEAN AVE

MATCH 1 →

Callout	Description
1	Pavement Marking Epoxy, 6-Inch
2	Pavement Marking Epoxy, 6-Inch, 4Ft Line, 12Ft Gap
3	Pavement Marking Epoxy, Crosswalk, 6-Inch
4	Pavement Marking Epoxy, Symbol, Bike Lane
5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy, Stop Line, 24-Inch



DEAN AVE

TYLER CIR

MATCH 2 →

MATCH 1

8' 10' 8"

6'

3

1

5

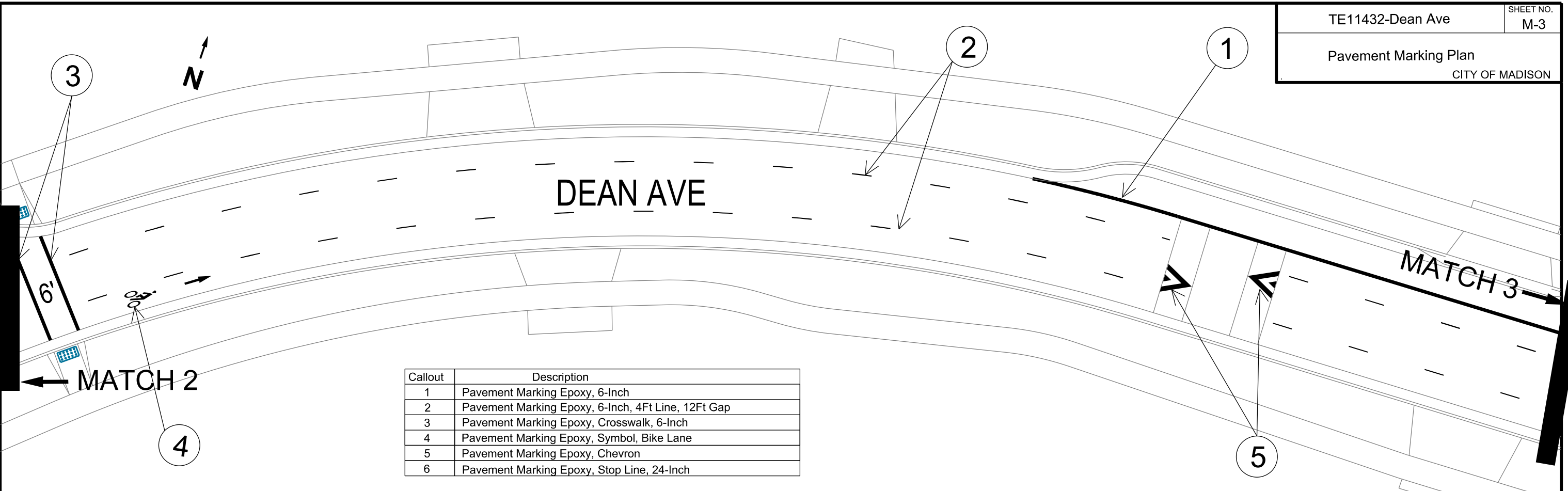
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4

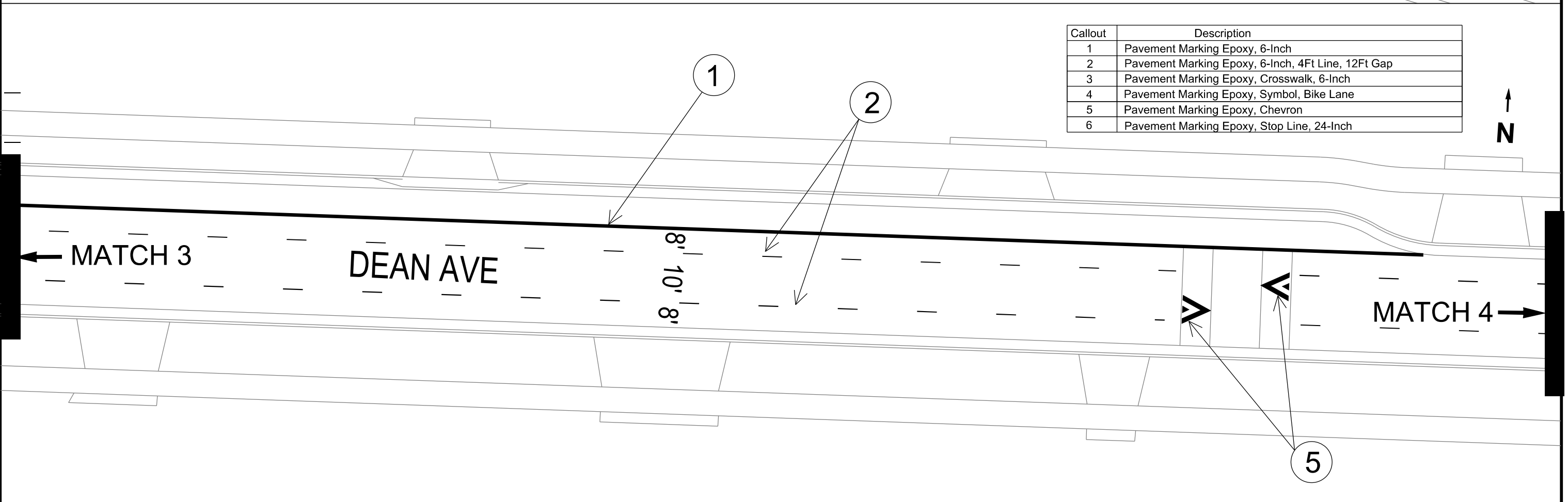
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PLOT SCALE: \_\_\_\_\_  
 PLOT NAME: \_\_\_\_\_  
 REV. DATE: \_\_\_\_\_  
 ORIGINATOR: CITY\_OF\_MADISON\_TRAFFIC\_ENG\_DIV\_





Callout	Description
1	Pavement Marking Epoxy, 6-Inch
2	Pavement Marking Epoxy, 6-Inch, 4Ft Line, 12Ft Gap
3	Pavement Marking Epoxy, Crosswalk, 6-Inch
4	Pavement Marking Epoxy, Symbol, Bike Lane
5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy, Stop Line, 24-Inch



Callout	Description
1	Pavement Marking Epoxy, 6-Inch
2	Pavement Marking Epoxy, 6-Inch, 4Ft Line, 12Ft Gap
3	Pavement Marking Epoxy, Crosswalk, 6-Inch
4	Pavement Marking Epoxy, Symbol, Bike Lane
5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy, Stop Line, 24-Inch

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY\_OF\_MADISON\_TRAFFIC\_ENG\_DIV\_

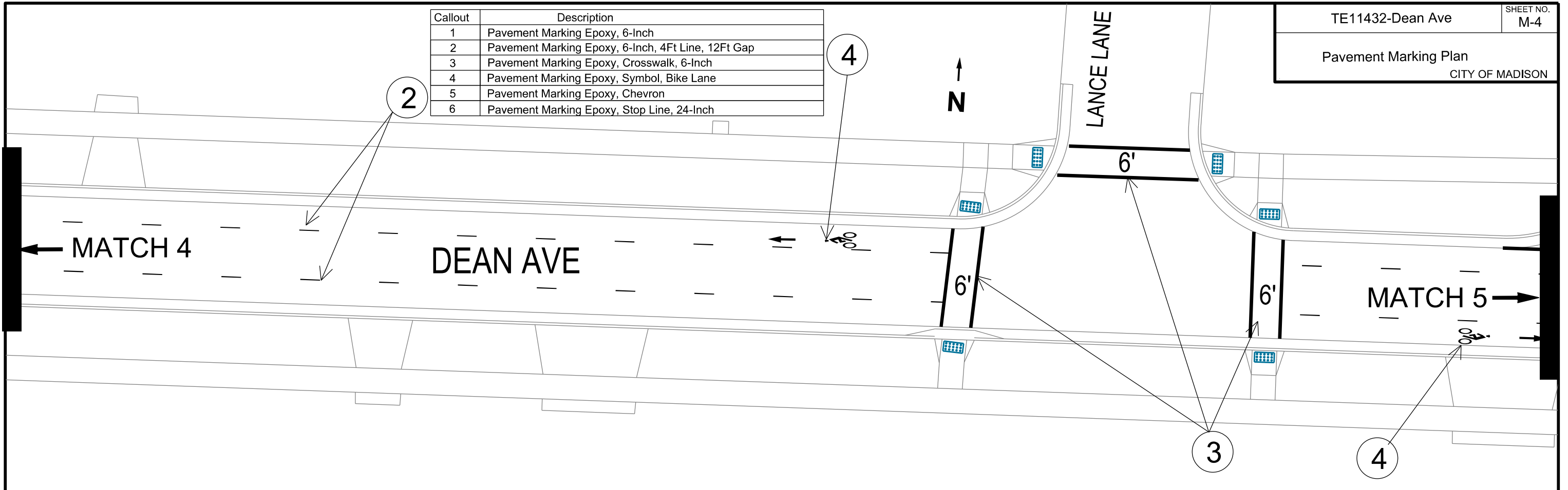
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3	Pavement Marking Epoxy, Crosswalk, 6-Inch
4	Pavement Marking Epoxy, Symbol, Bike Lane
5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy, Stop Line, 24-Inch

TE11432-Dean Ave

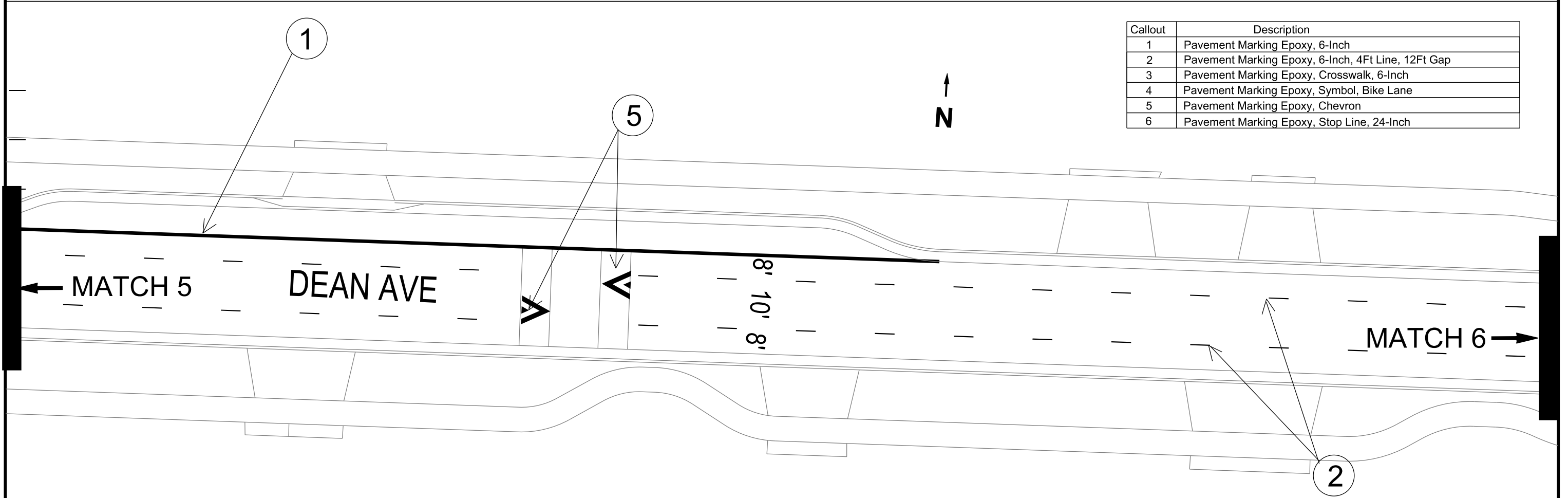
SHEET NO.  
M-4

Pavement Marking Plan

CITY OF MADISON



Callout	Description
1	Pavement Marking Epoxy, 6-Inch
2	Pavement Marking Epoxy, 6-Inch, 4Ft Line, 12Ft Gap
3	Pavement Marking Epoxy, Crosswalk, 6-Inch
4	Pavement Marking Epoxy, Symbol, Bike Lane
5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy, Stop Line, 24-Inch



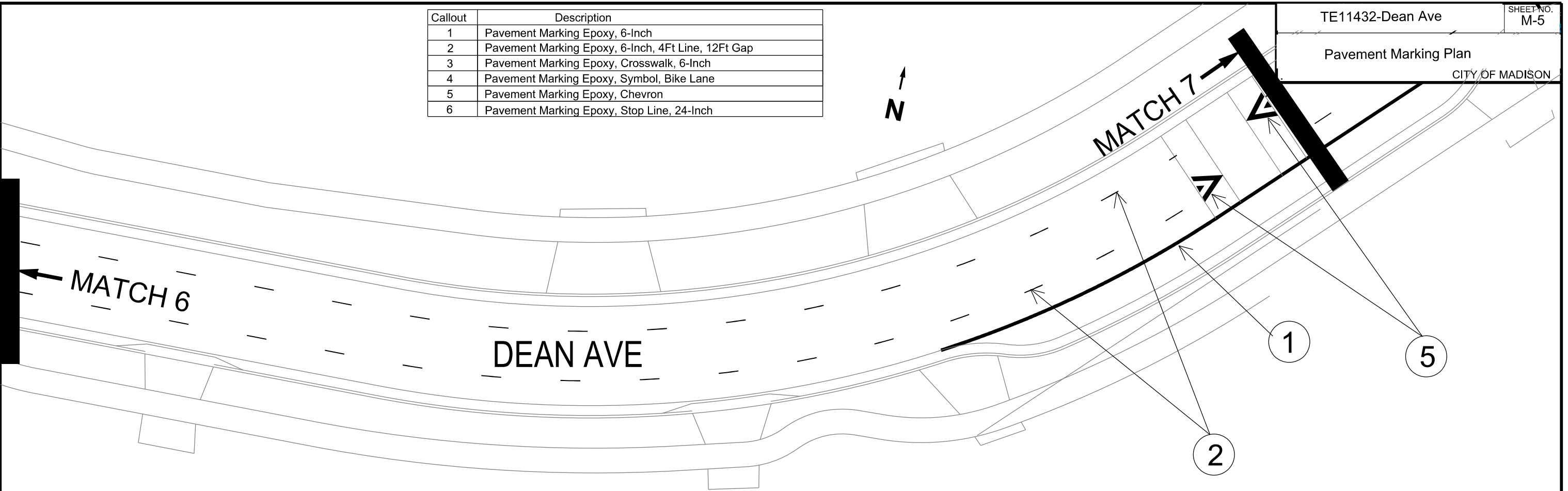
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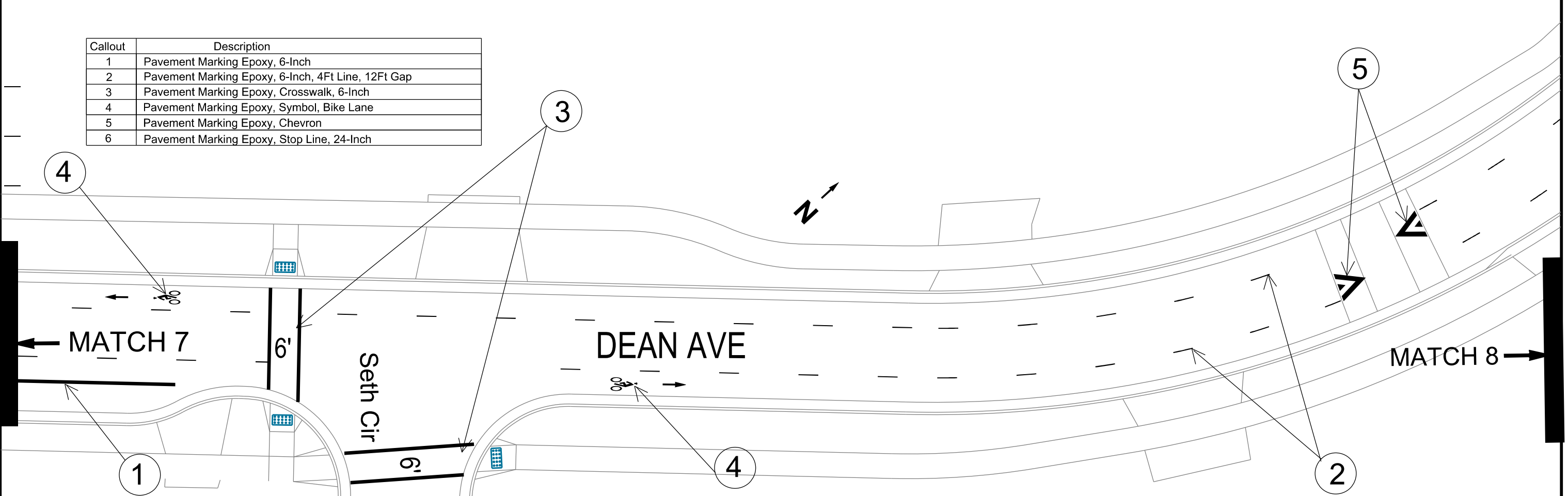
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ORIGINATOR: CITY\_OF\_MADISON\_TRAFFIC\_ENG\_DIV\_

Callout	Description
1	Pavement Marking Epoxy, 6-Inch
2	Pavement Marking Epoxy, 6-Inch, 4Ft Line, 12Ft Gap
3	Pavement Marking Epoxy, Crosswalk, 6-Inch
4	Pavement Marking Epoxy, Symbol, Bike Lane
5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy, Stop Line, 24-Inch



Callout	Description
1	Pavement Marking Epoxy, 6-Inch
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5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy, Stop Line, 24-Inch



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

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

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

ORIGINATOR: CITY\_OF\_MADISON\_TRAFFIC\_ENG\_DIV\_...

Callout	Description
1	Pavement Marking Epoxy, 6-Inch
2	Pavement Marking Epoxy, 6-Inch, 4Ft Line, 12Ft Gap
3	Pavement Marking Epoxy, Crosswalk, 6-Inch
4	Pavement Marking Epoxy, Symbol, Bike Lane
5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy, Stop Line, 24-Inch



ALLIS AVE

Callout	Description
1	Pavement Marking Epoxy, 6-Inch
2	Pavement Marking Epoxy, 6-Inch, 4Ft Line, 12Ft Gap
3	Pavement Marking Epoxy, Crosswalk, 6-Inch
4	Pavement Marking Epoxy, Symbol, Bike Lane
5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy, Stop Line, 24-Inch



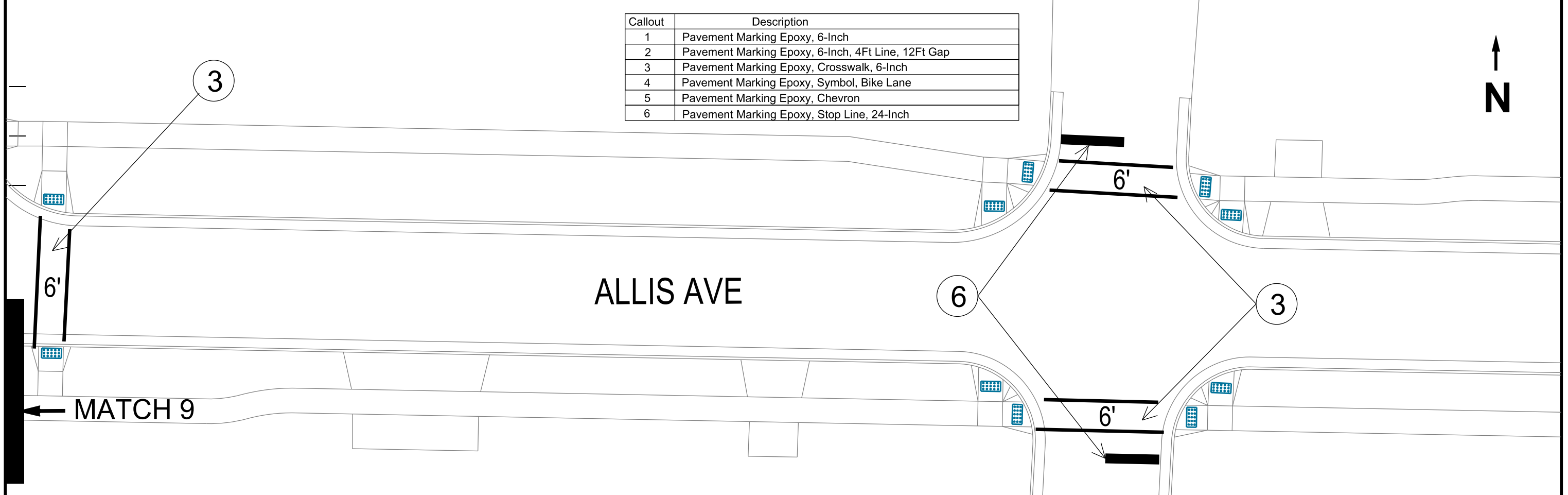
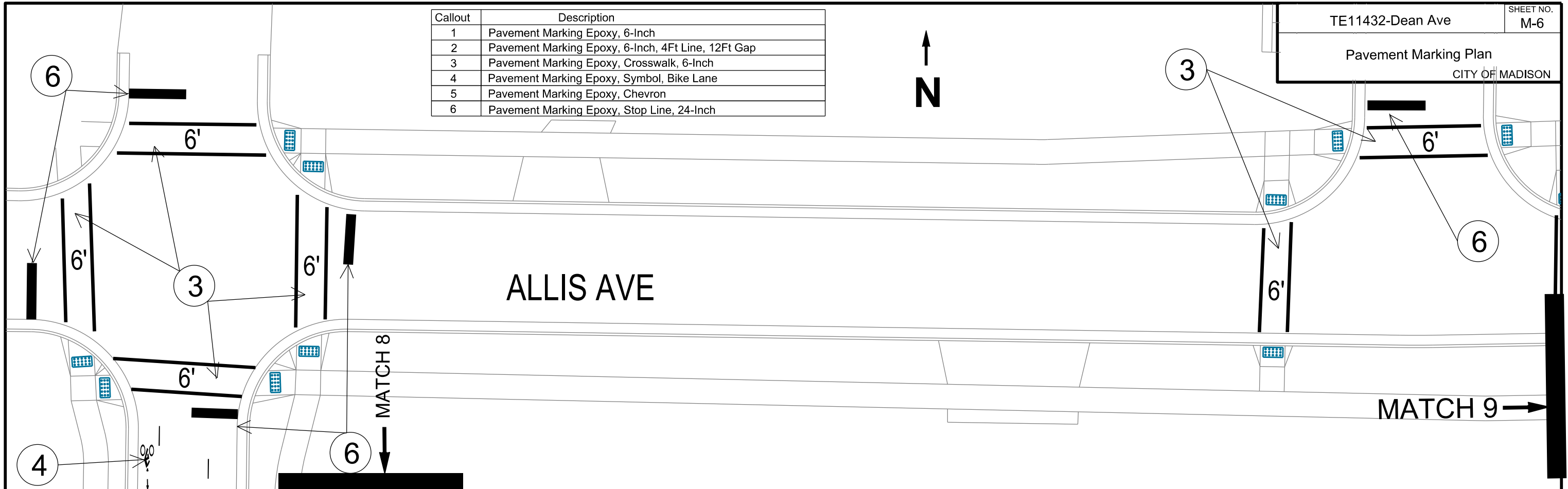
ALLIS AVE

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

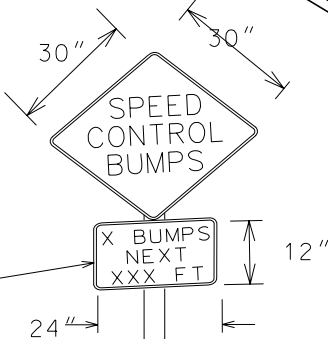
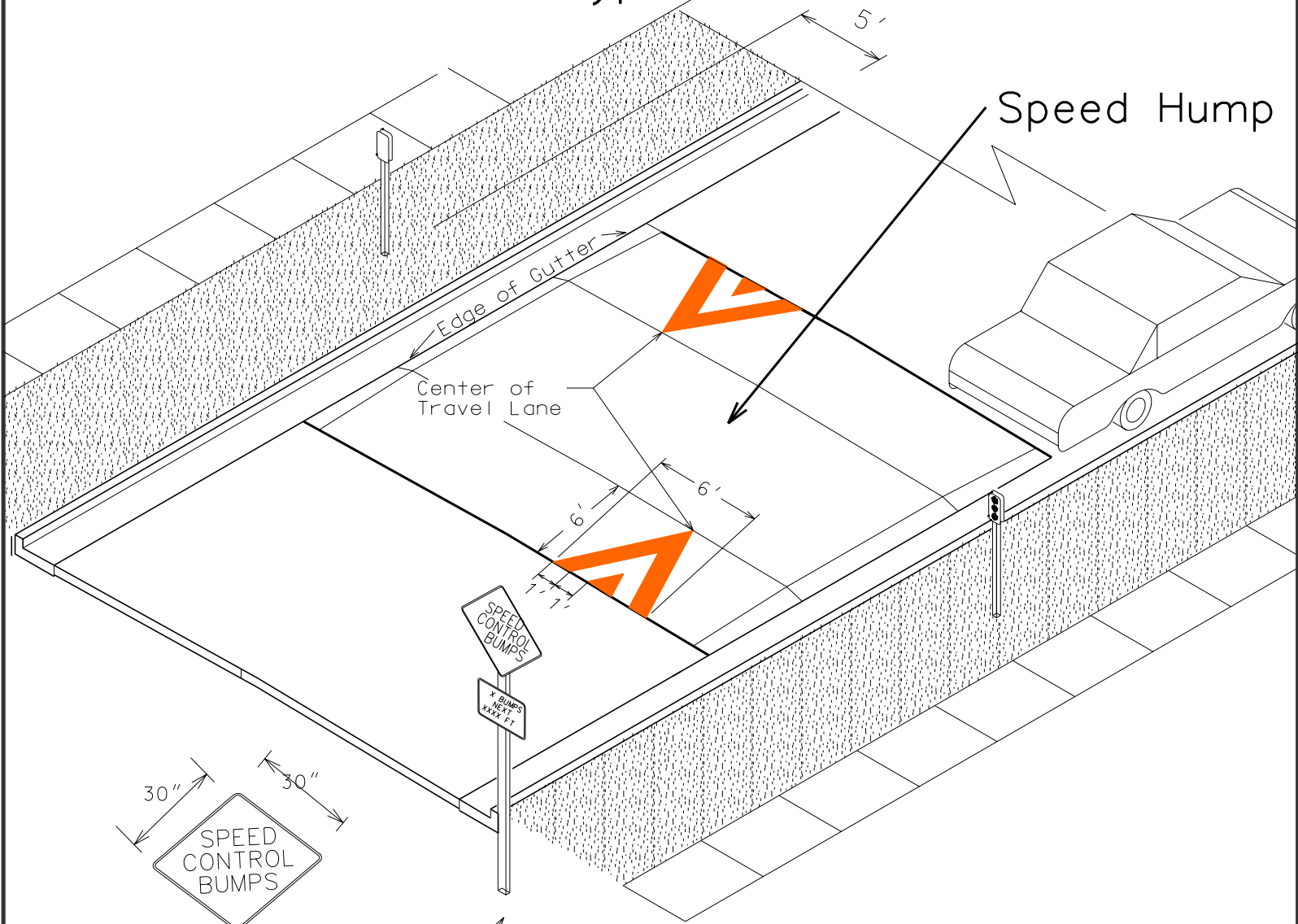
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REV. DATE: \_\_\_\_\_

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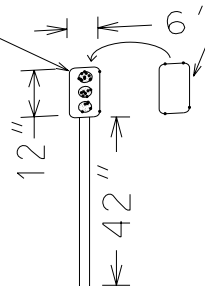


# Speed Hump Signing & Marking Typical




White panel with three 3" wide yellow reflectors facing traffic.

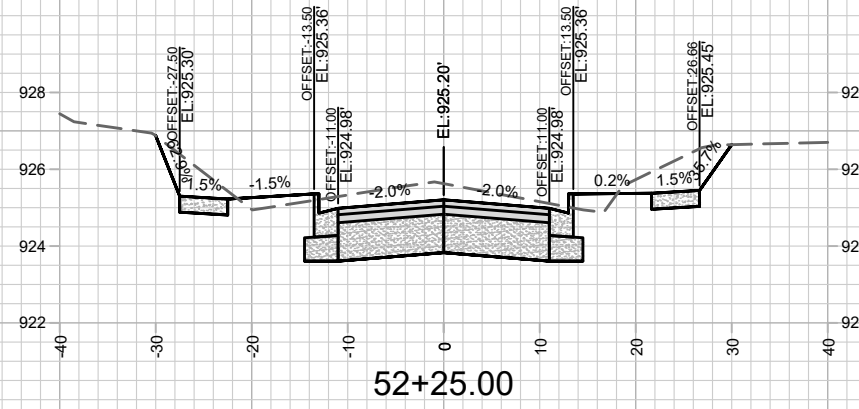
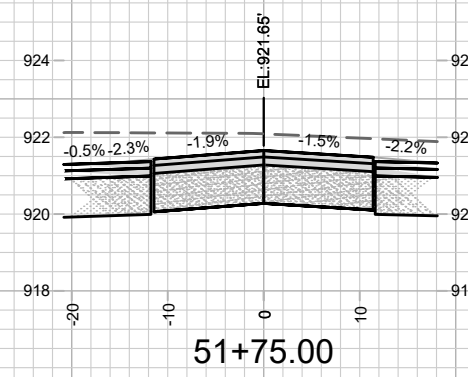
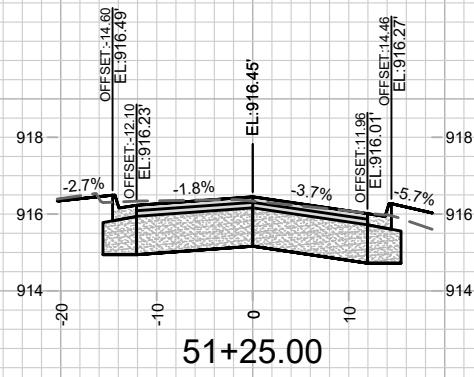
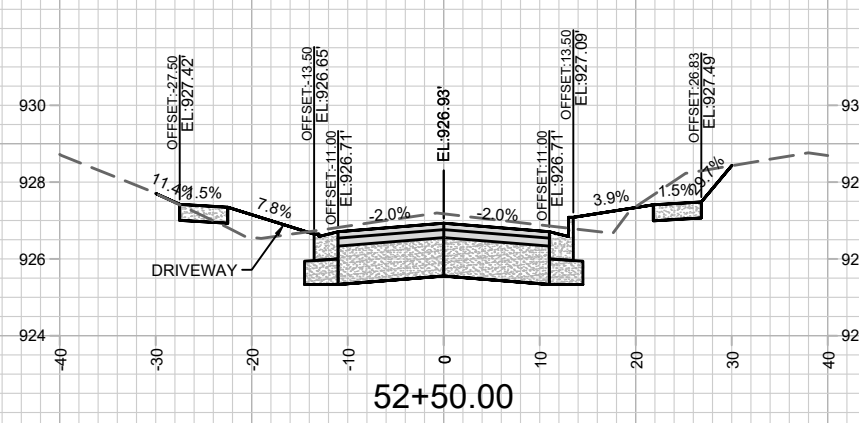
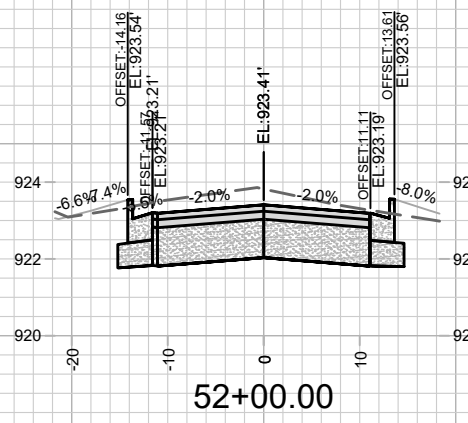
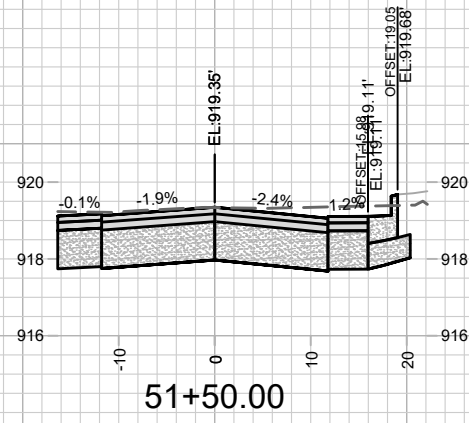
Solid reflectorized yellow on back.



Two object marker panels (back to back) on post offset 5' from face of curb oriented on centerline of speed hump installed on both sides of street.

See Plan for Wording and Placement

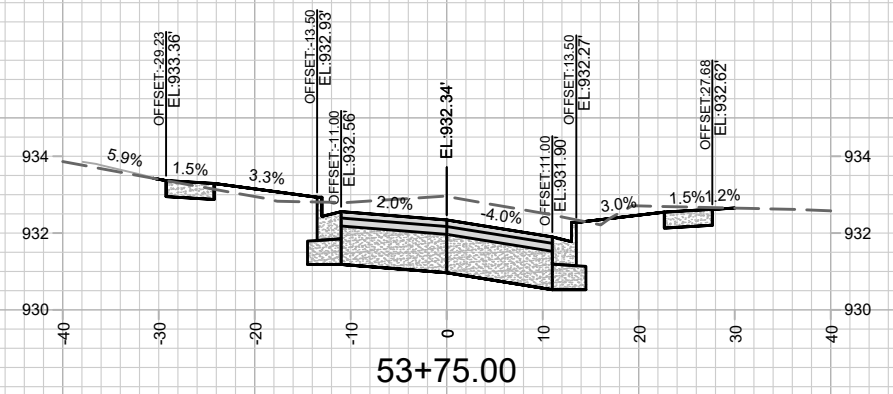
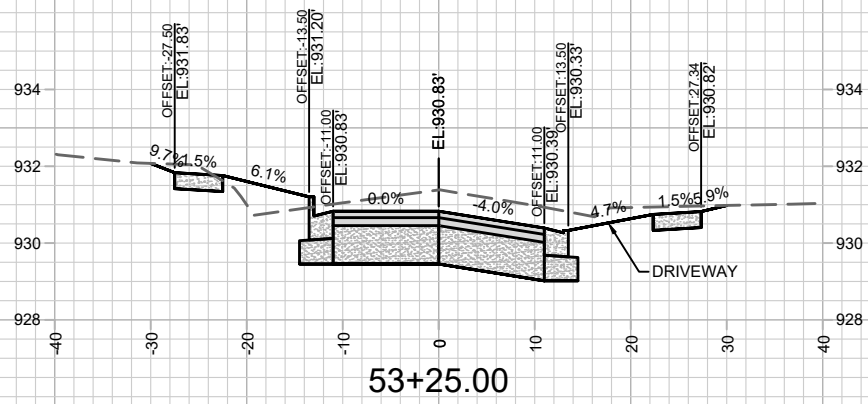
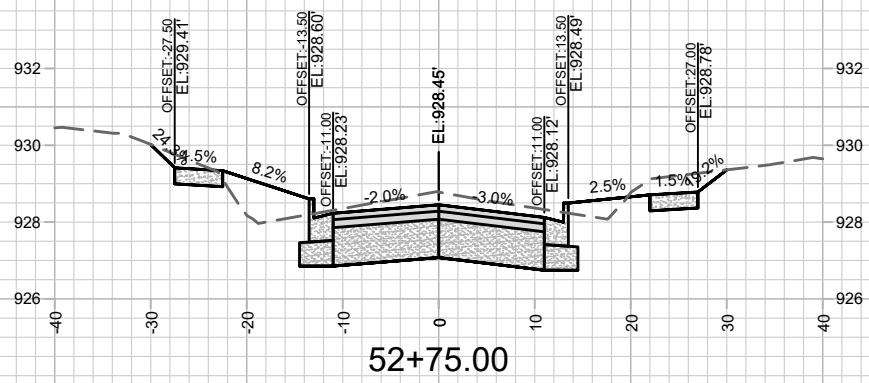
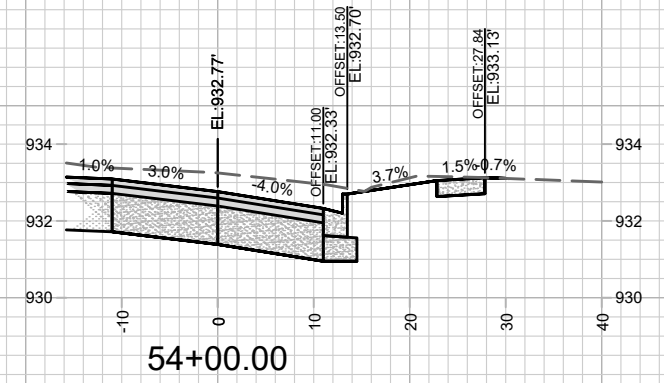
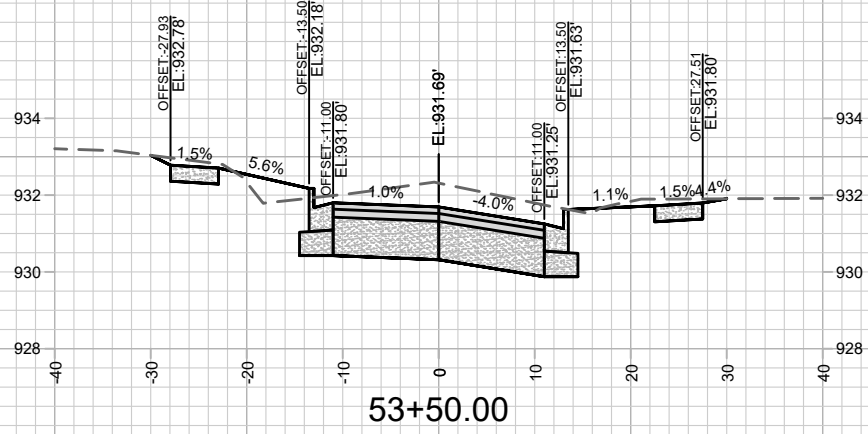
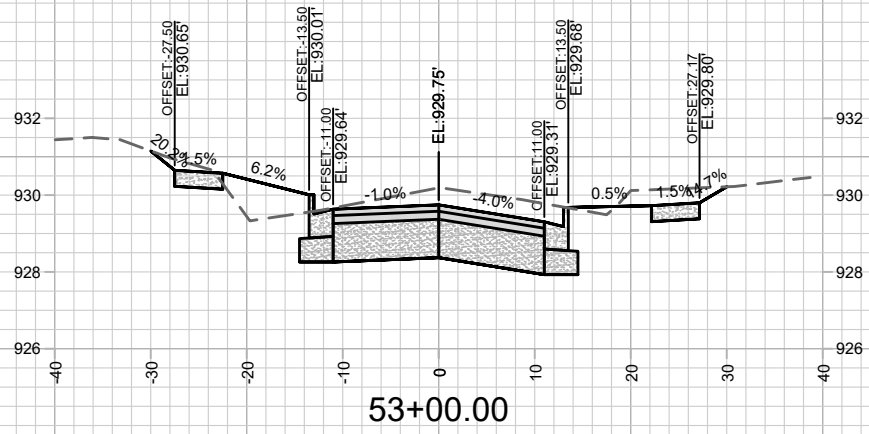
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		OF



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Designed By: ###	Scale: #####		X-1

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 MADISON, WI  
 CONTRACT NO: 7838  
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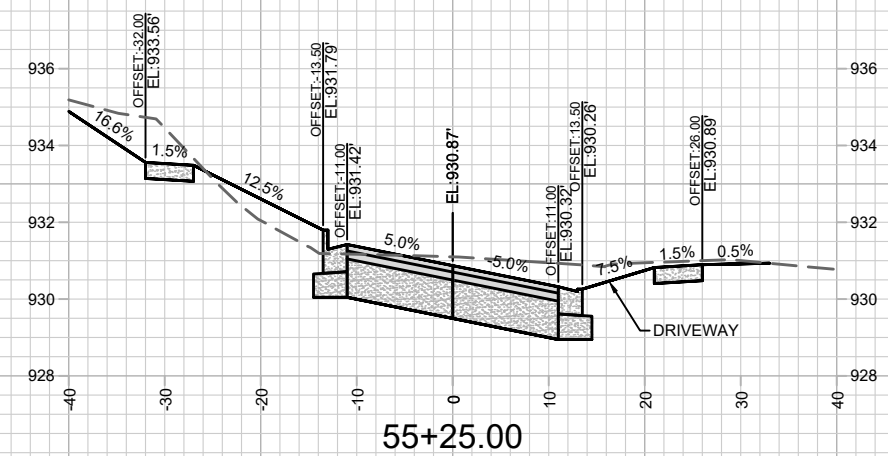
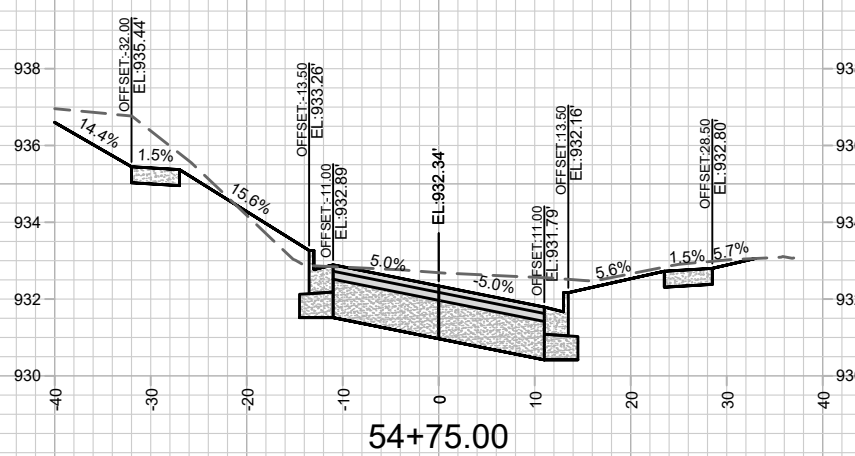
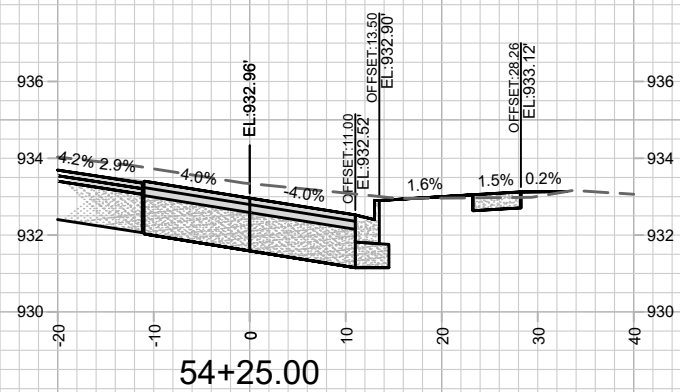
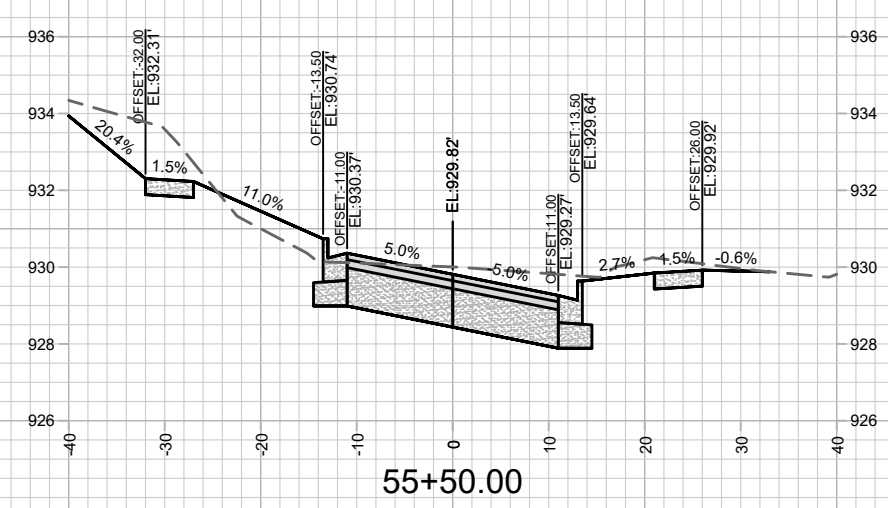
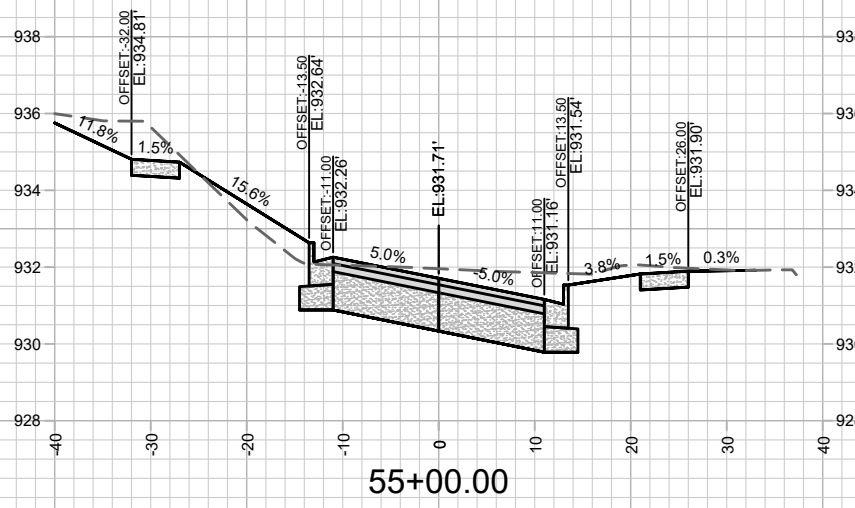
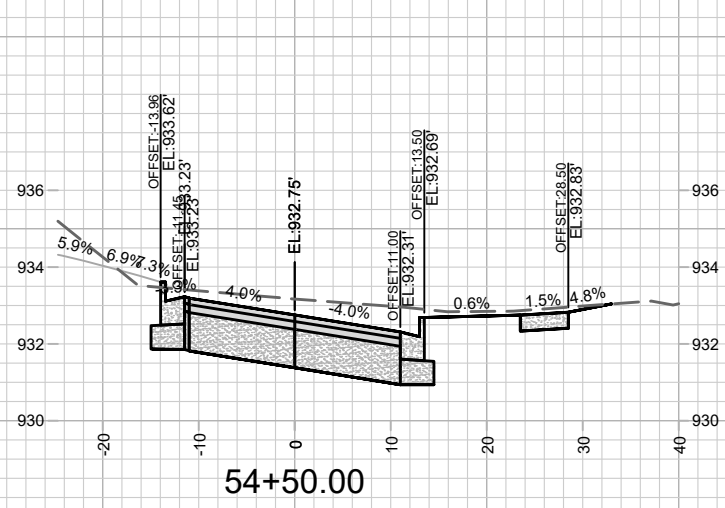
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 MADISON, WI  
 CONTRACT NO: 7838



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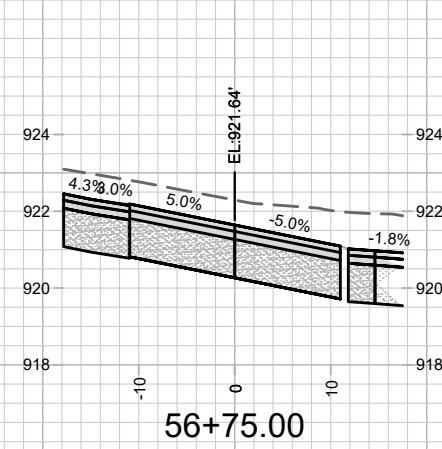
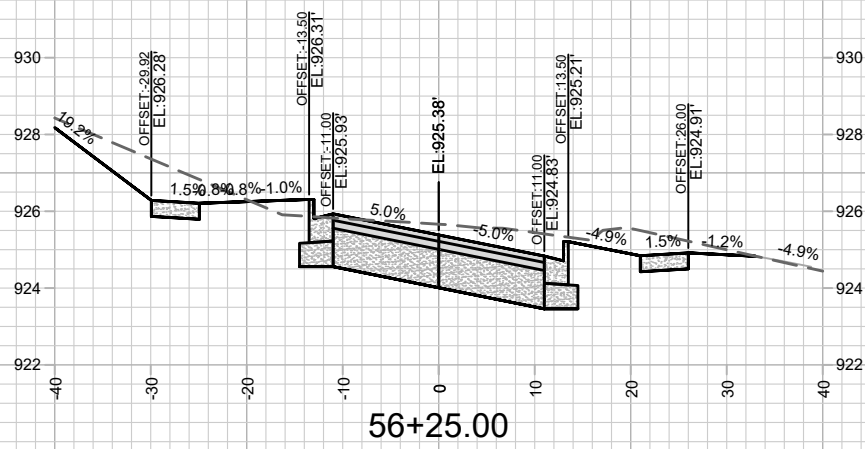
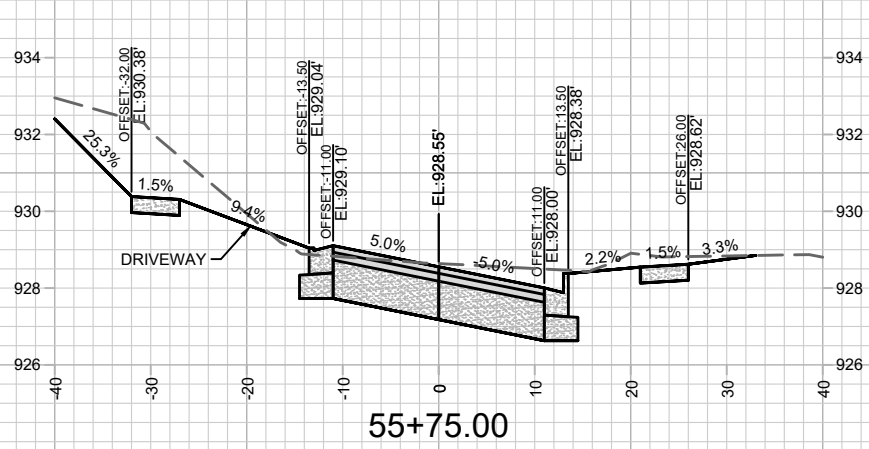
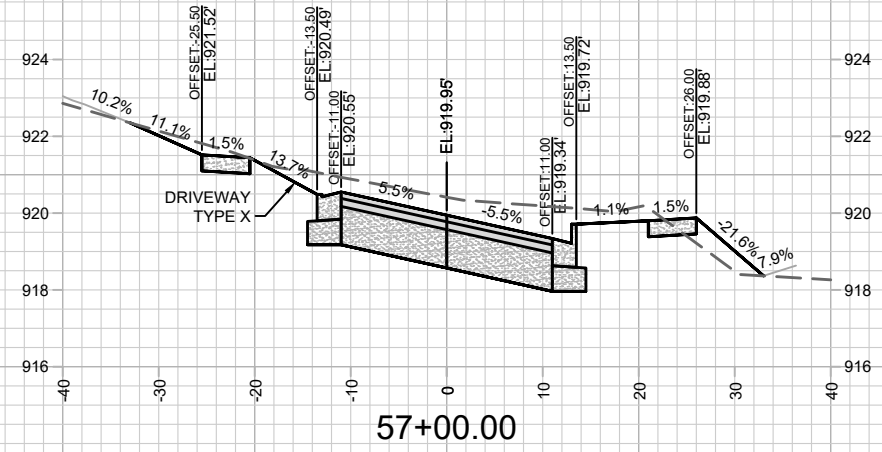
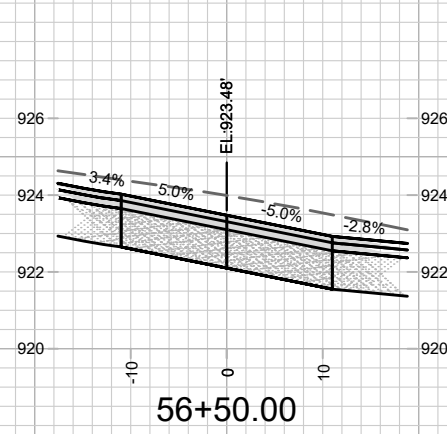
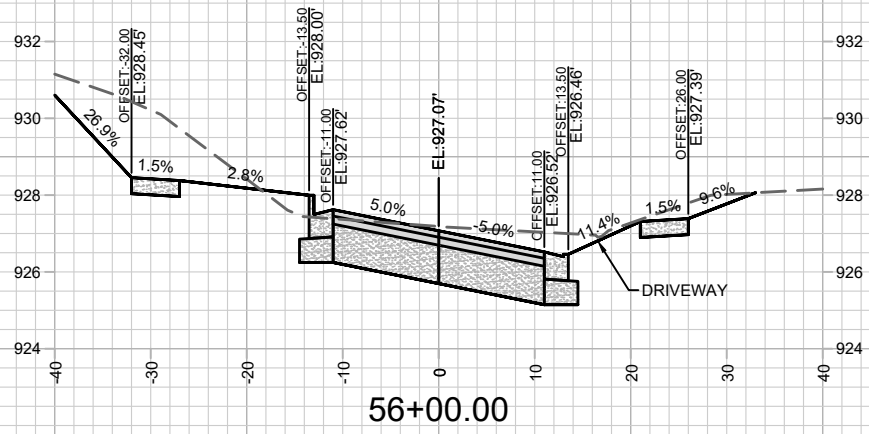


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 MADISON, WI  
 CONTRACT NO: 7838

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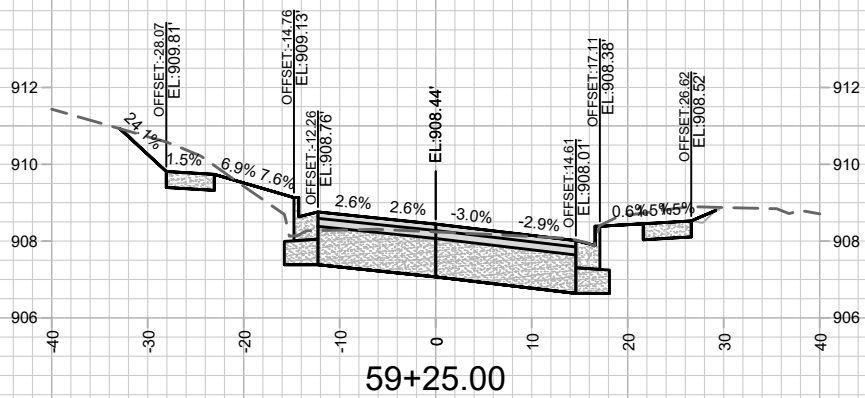
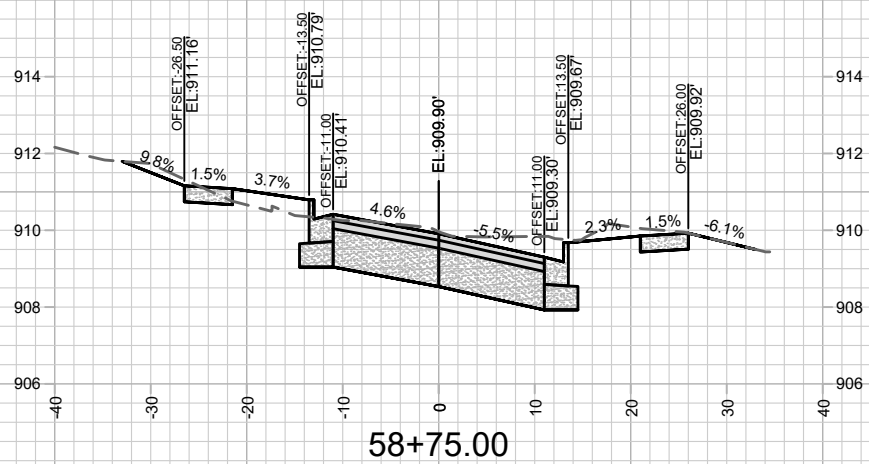
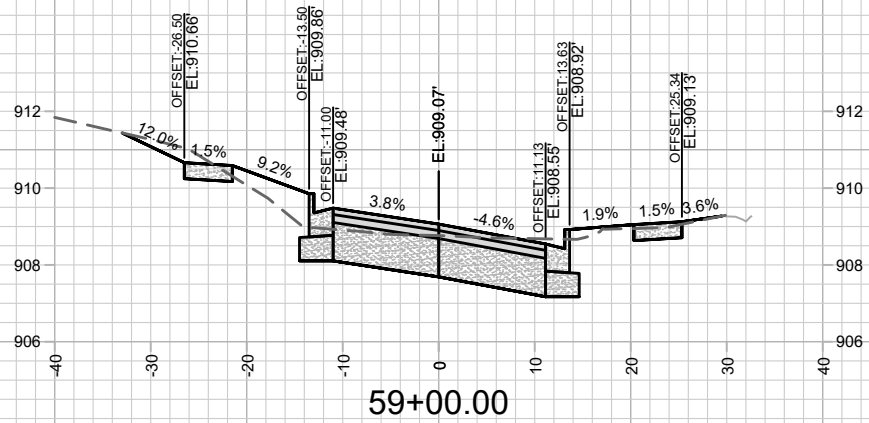


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11432  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
 CONTRACT NO: 7838

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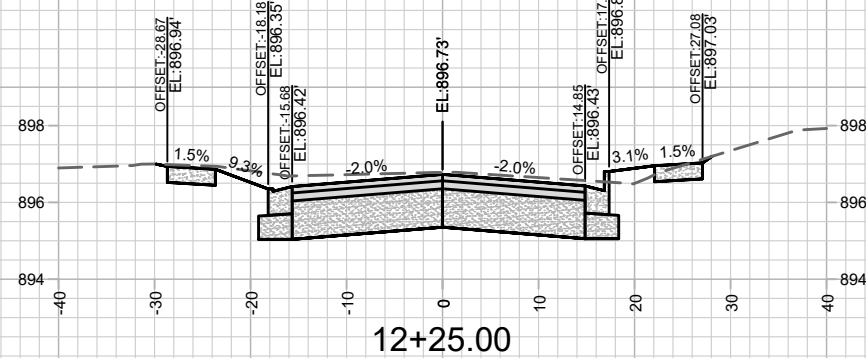
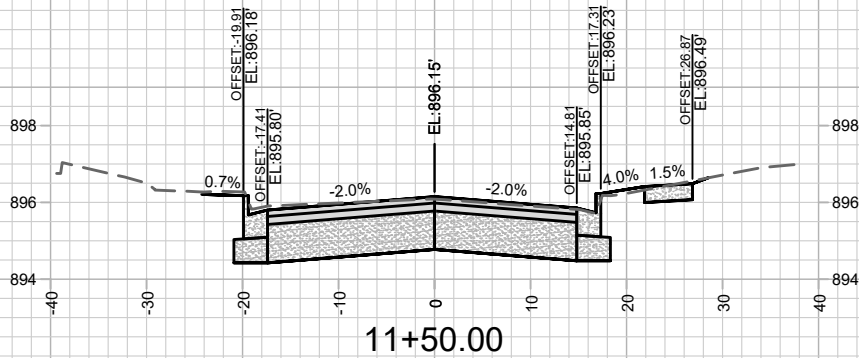
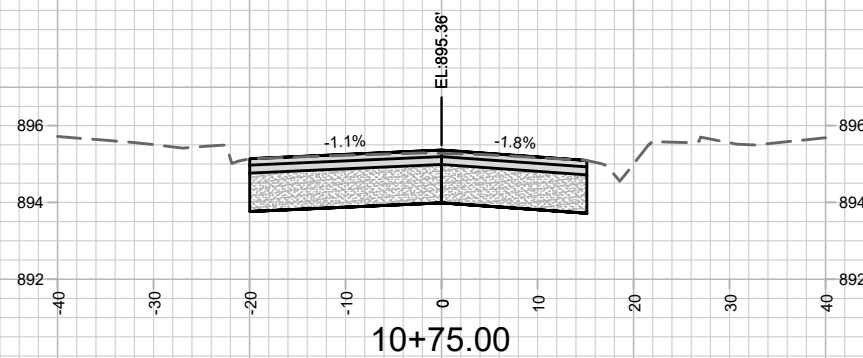
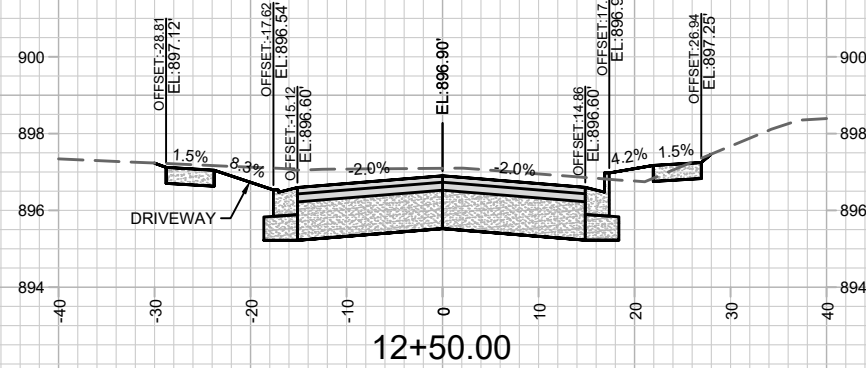
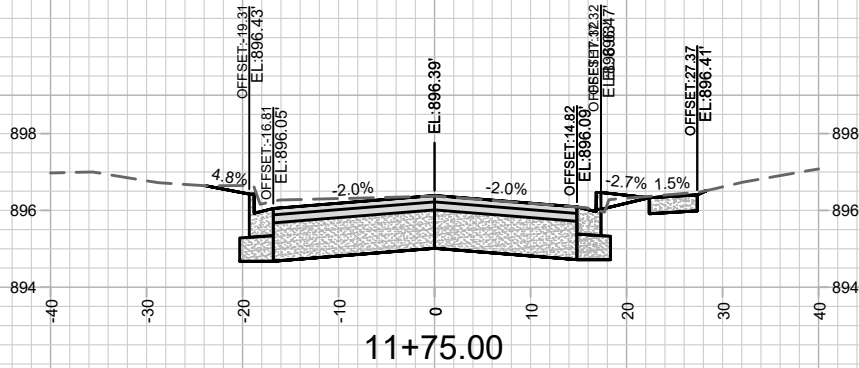
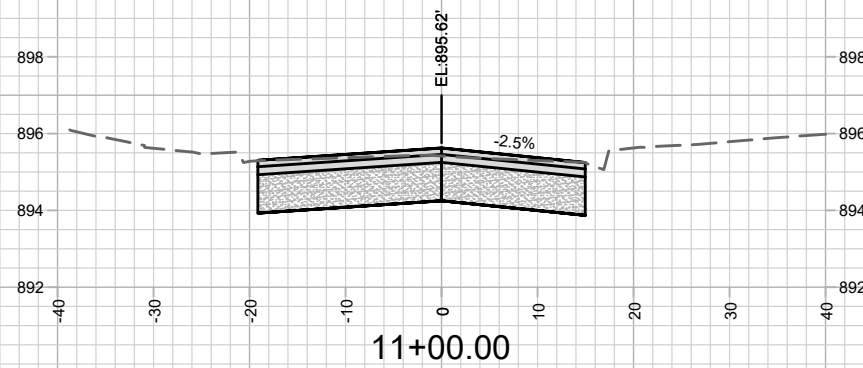
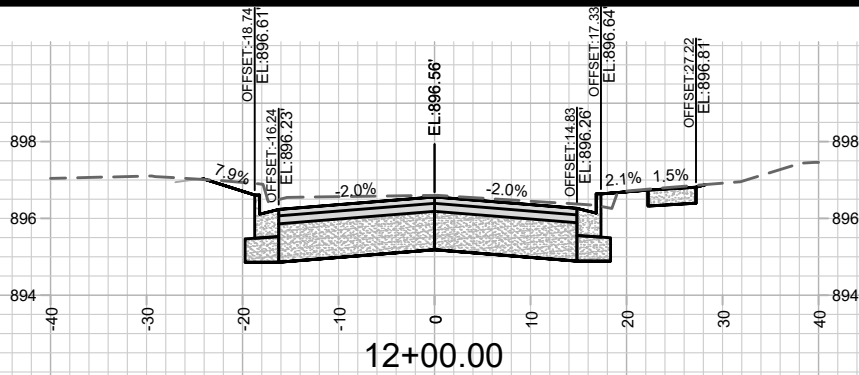
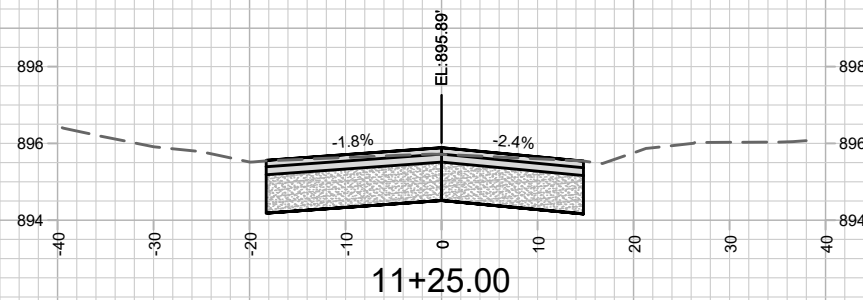


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11432  
 MADISON, WI  
 CONTRACT NO: 7838

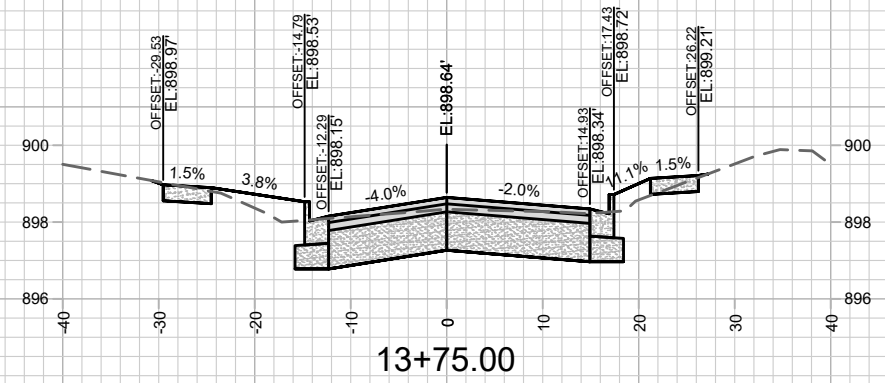
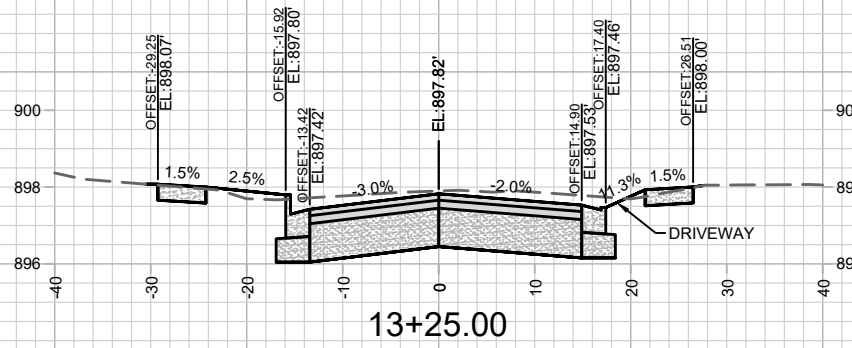
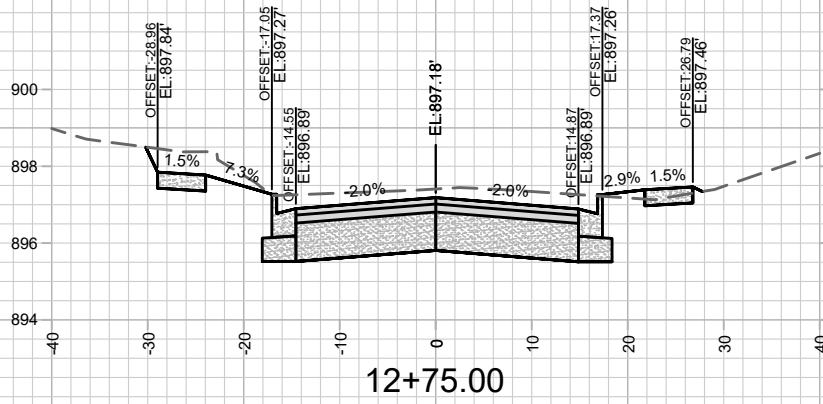
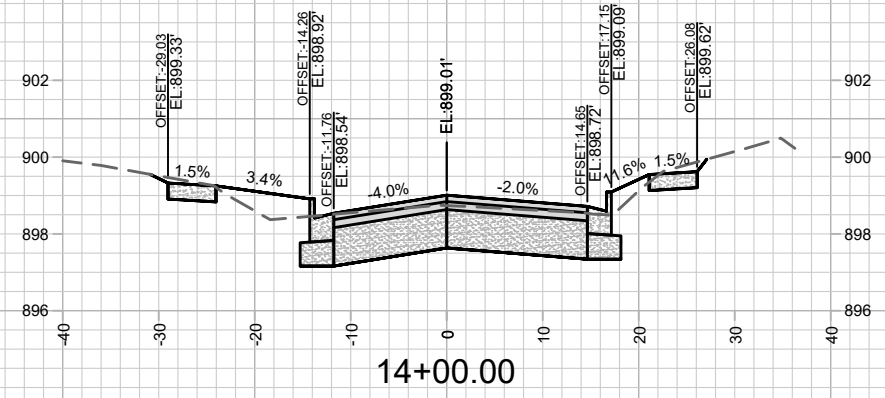
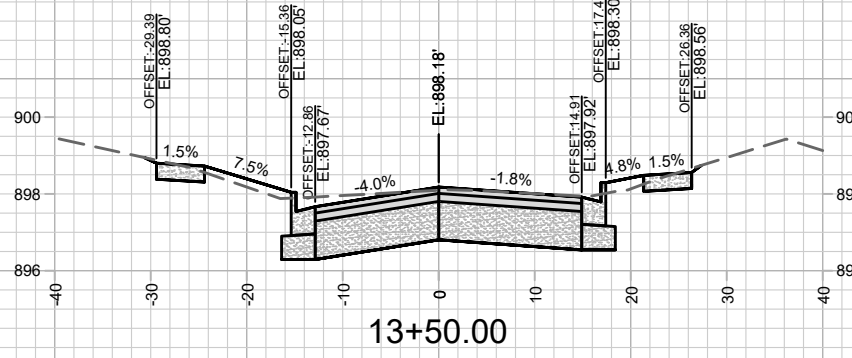
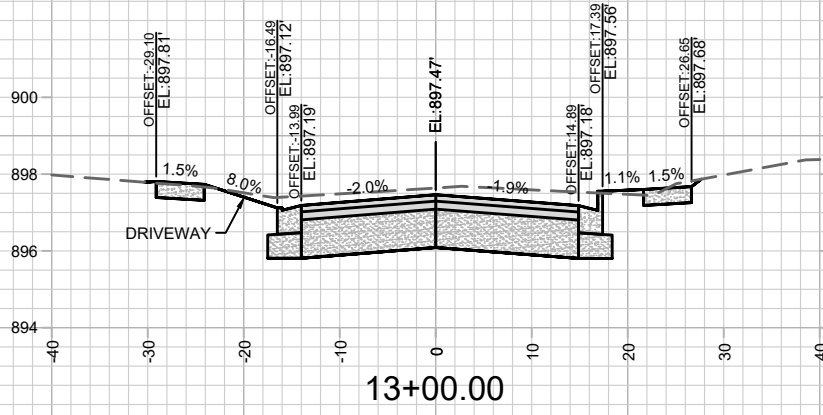
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 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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11432  
 MADISON, WI  
 7838  
 CONTRACT NO:  
 DEAN AVE. CROSS SECTIONS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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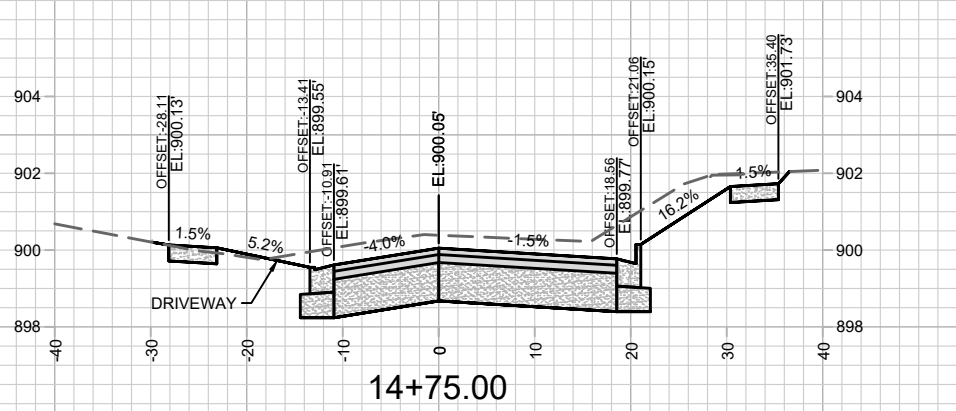
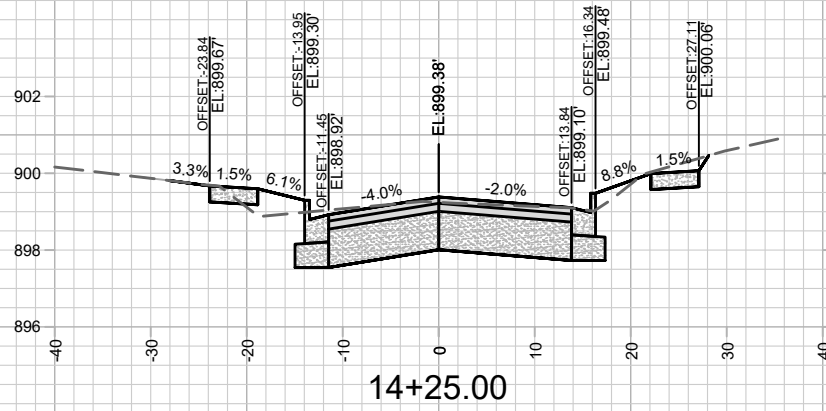
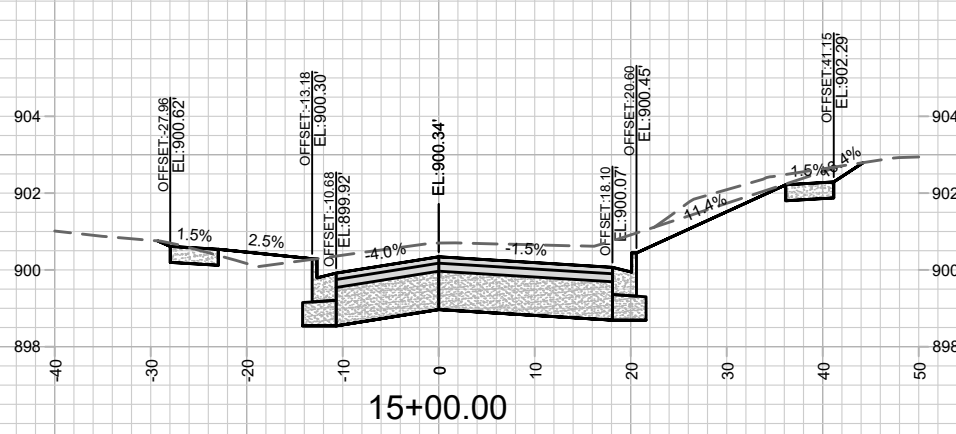
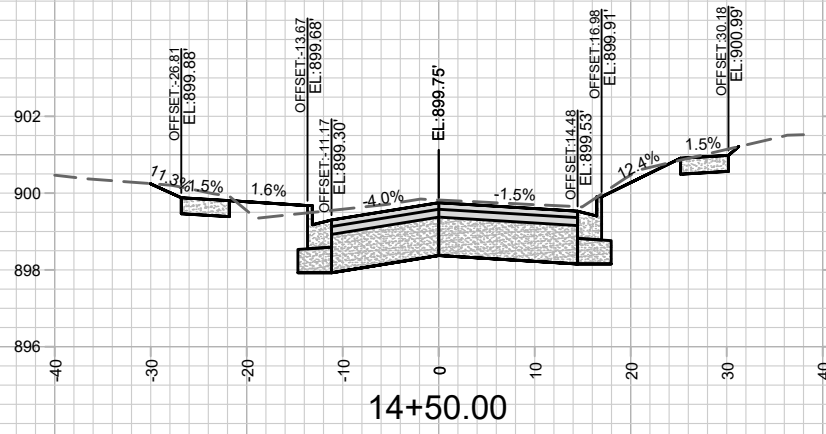
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 CONTRACT NO: 7838

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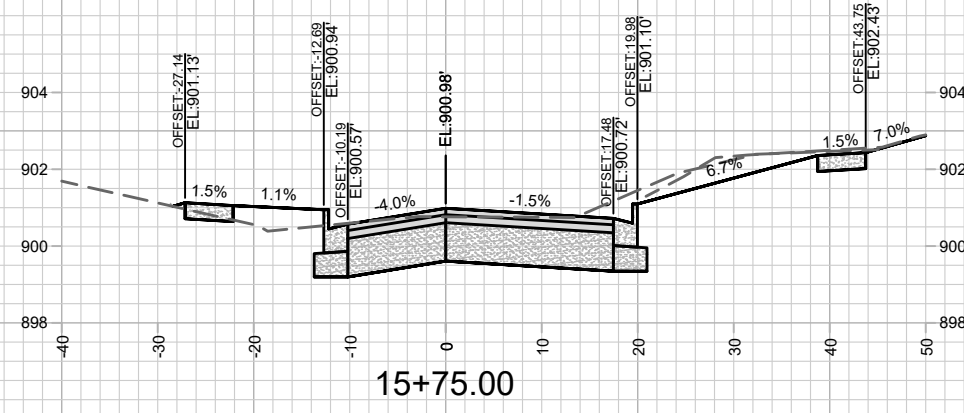
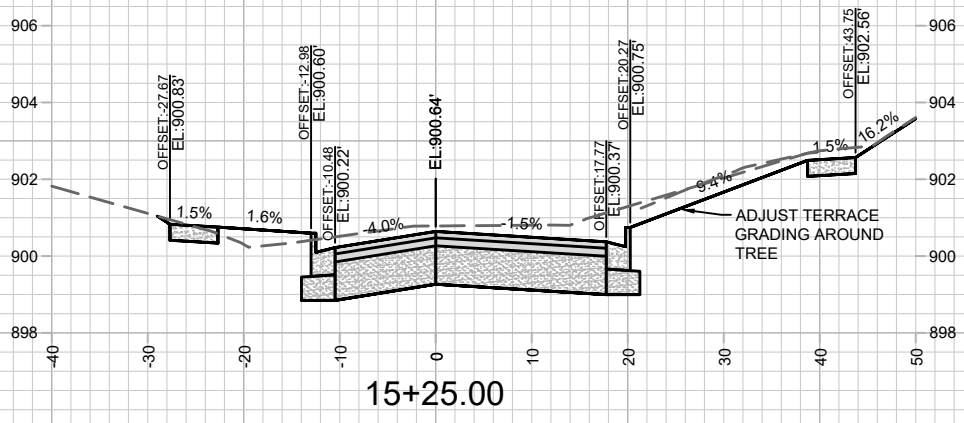
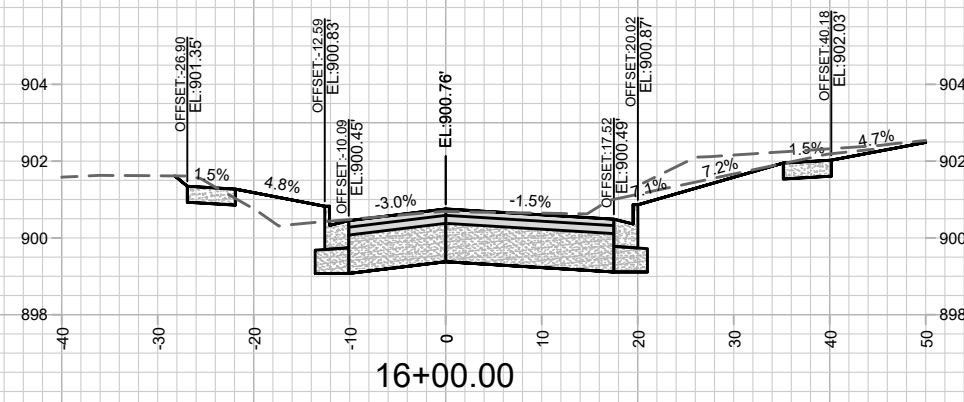
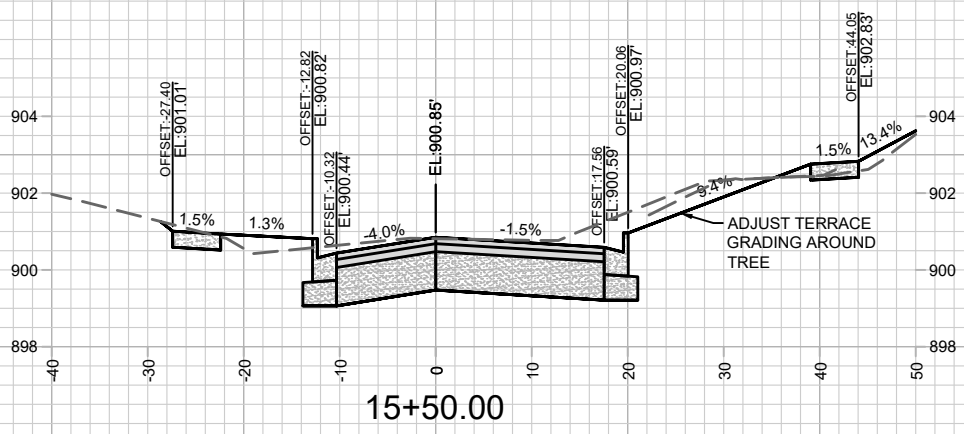
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 DEAN AVE. CROSS SECTIONS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
 M:\DESIGN\Projects\11432\C3D\Streets\11432\_DeanXsection.dwg  
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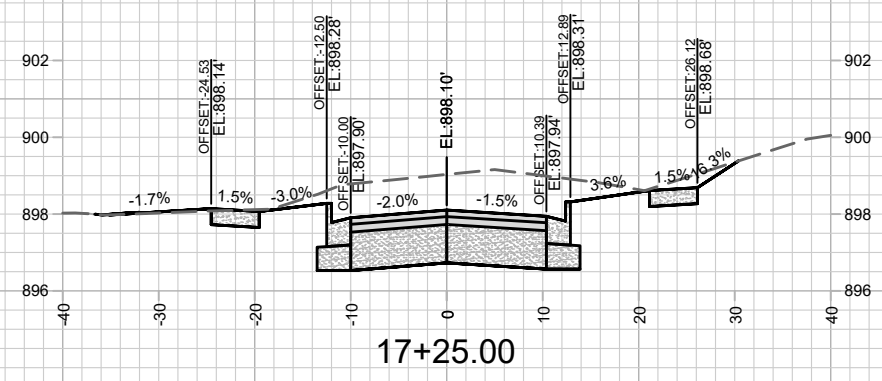
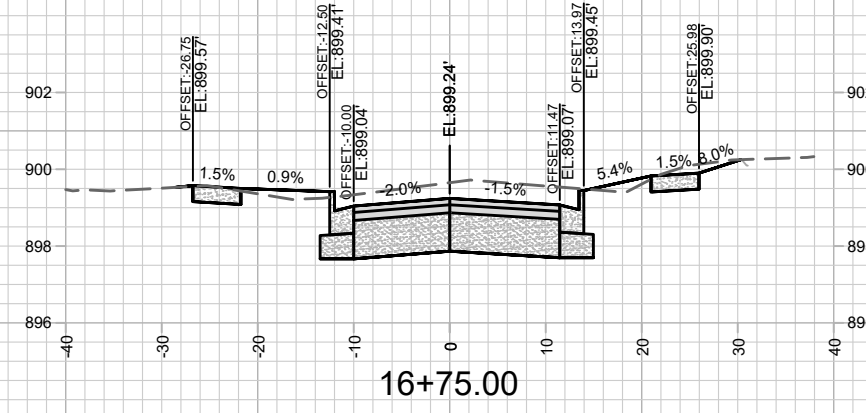
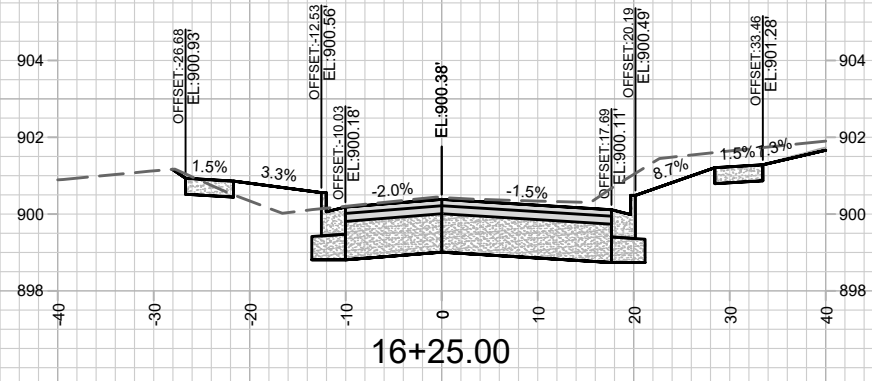
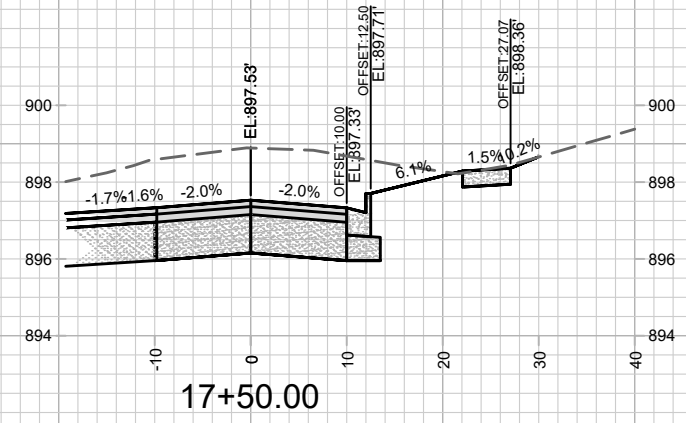
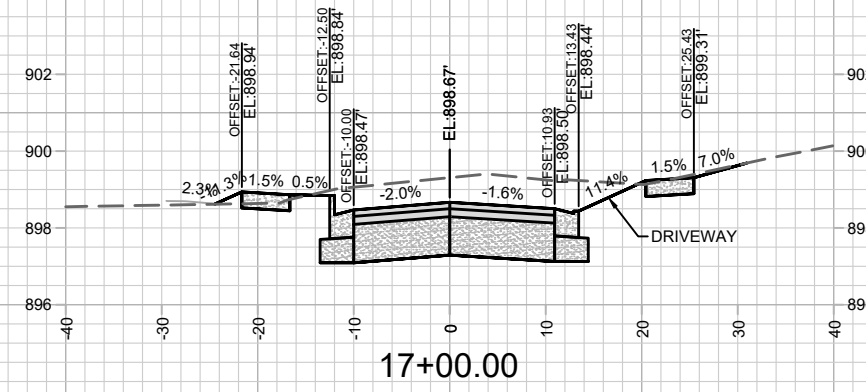
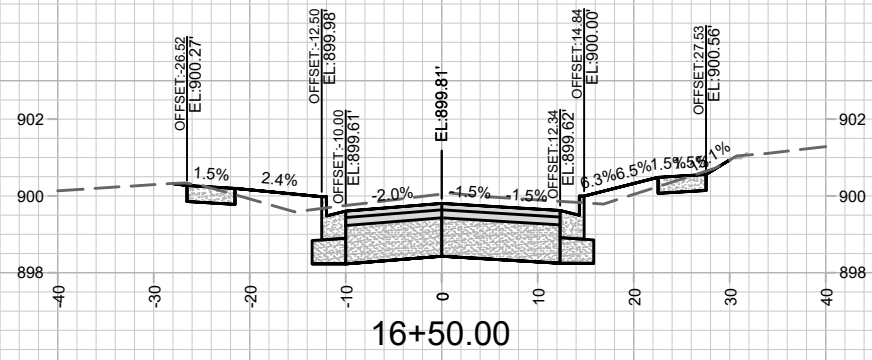


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DEAN AVE. CROSS SECTIONS  
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 CONTRACT NO:



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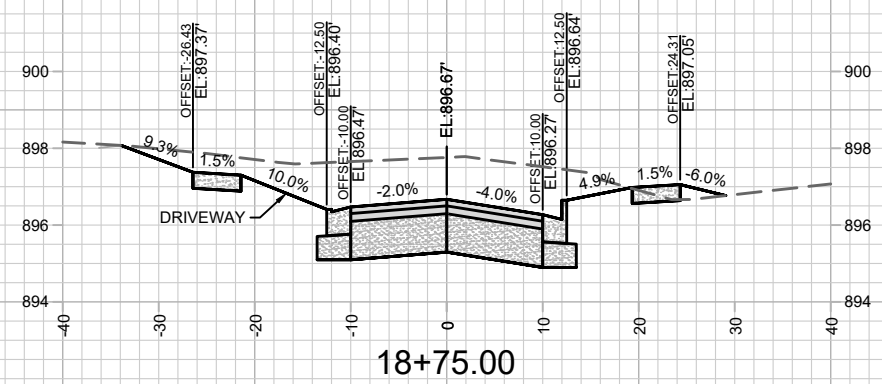
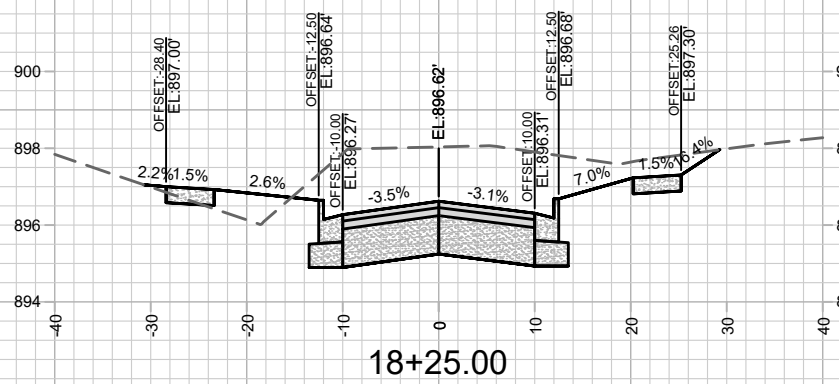
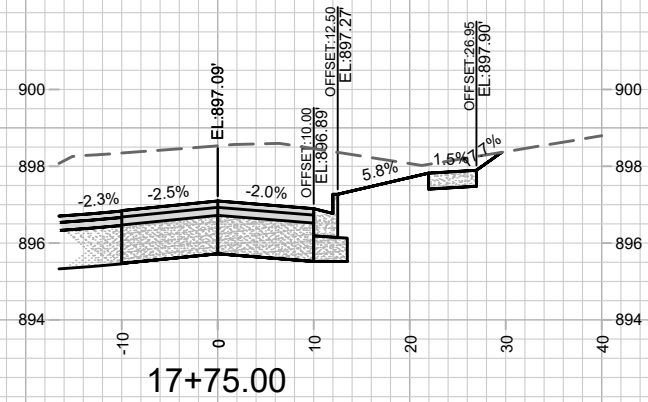
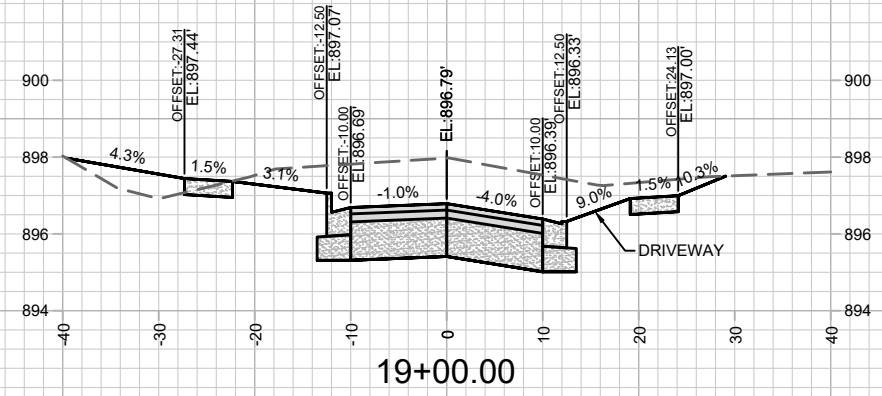
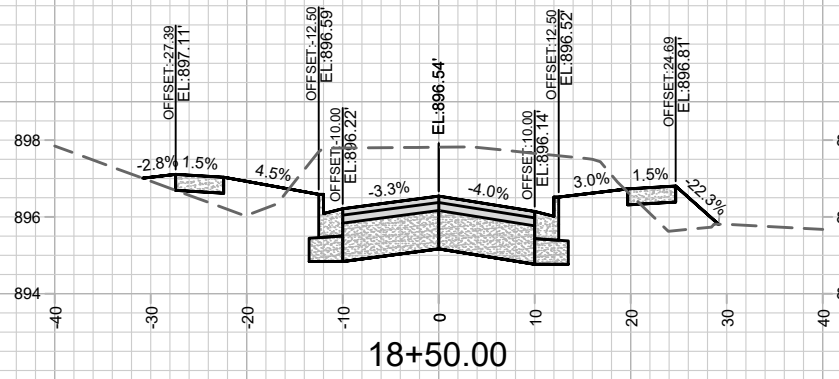
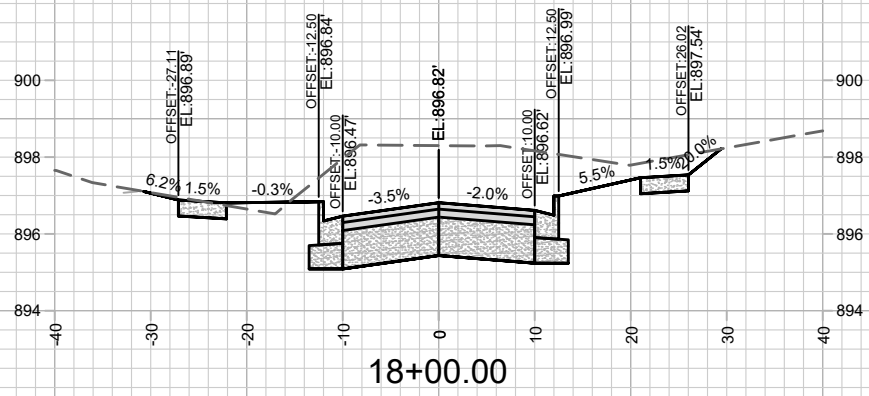


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11432  
 DEAN AVE. CROSS SECTIONS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
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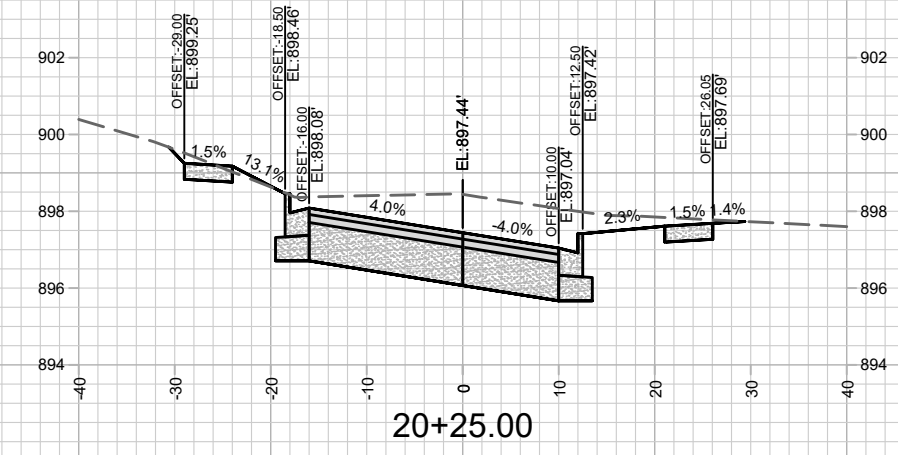
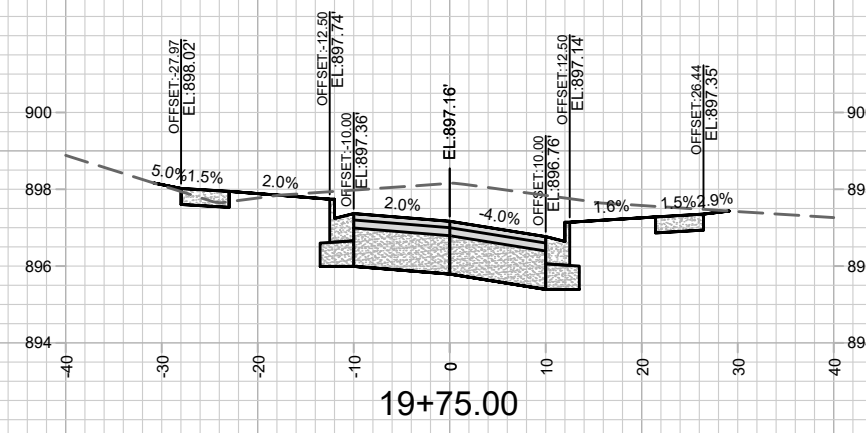
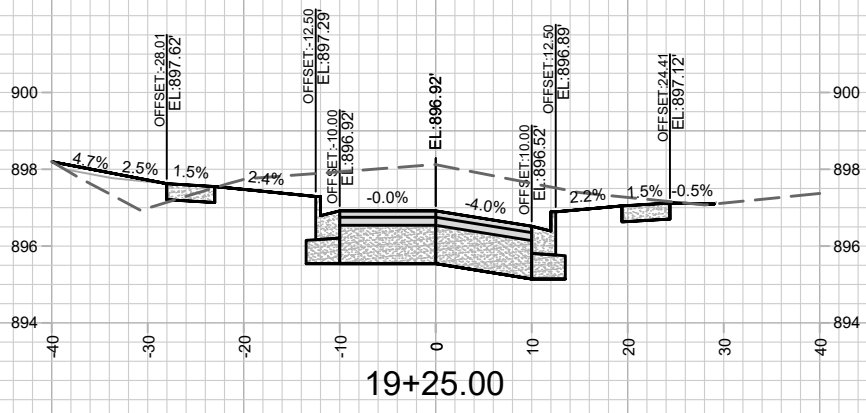
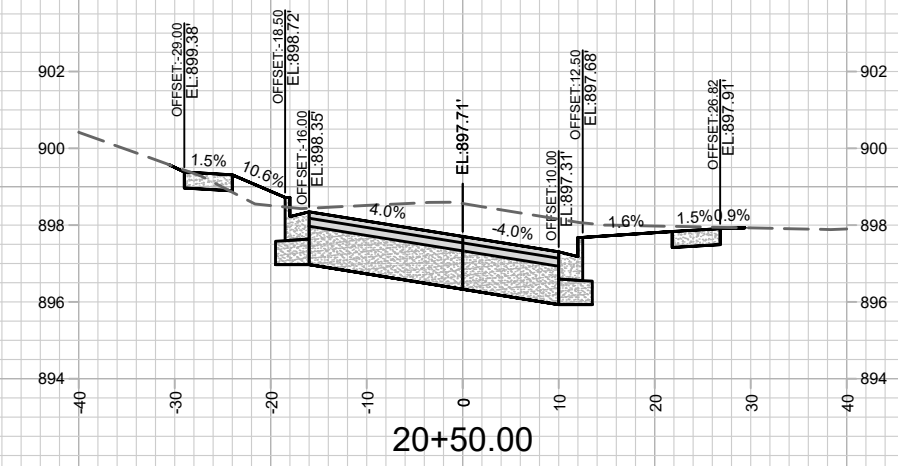
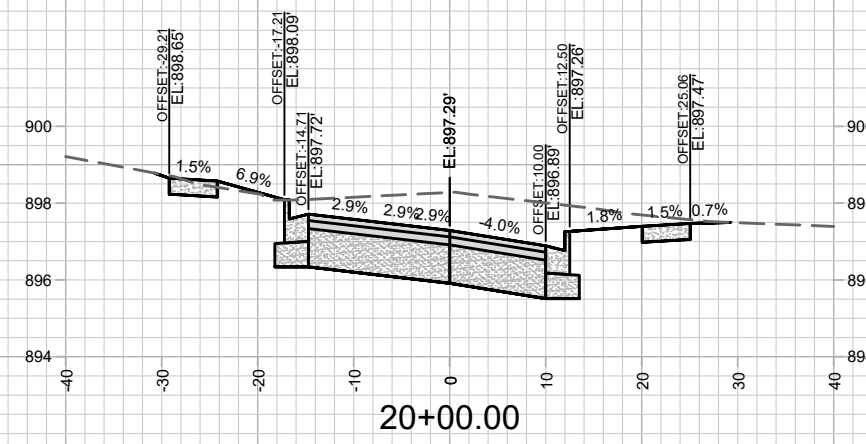
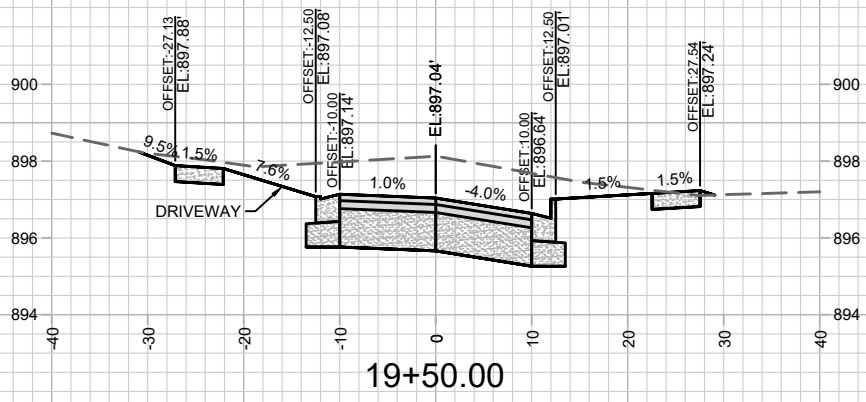


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DEAN AVE. CROSS SECTIONS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 MADISON, WI  
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 CONTRACT NO:

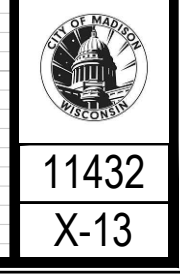


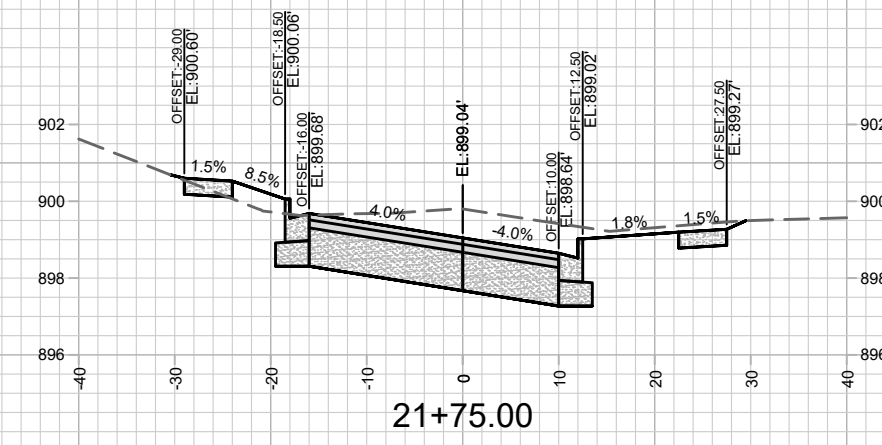
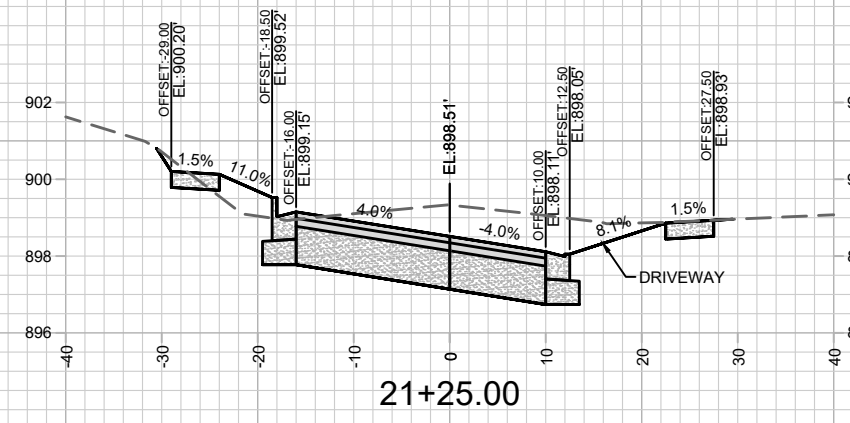
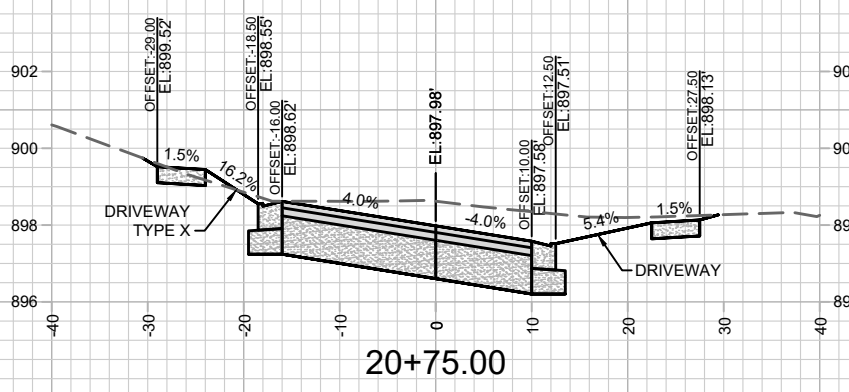
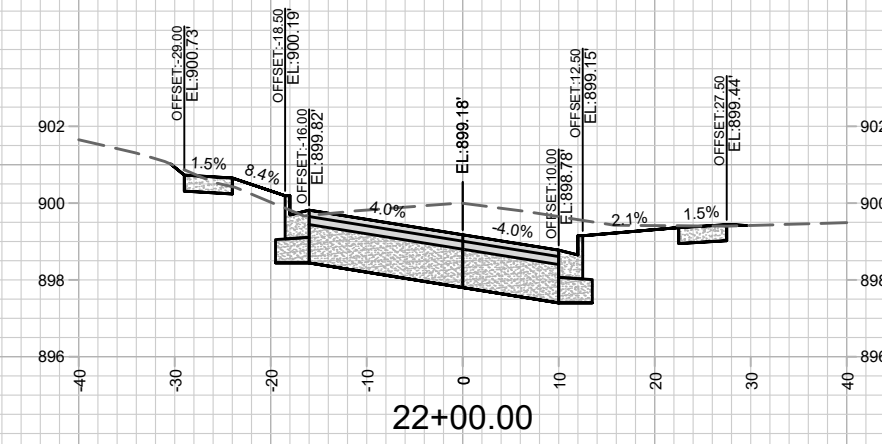
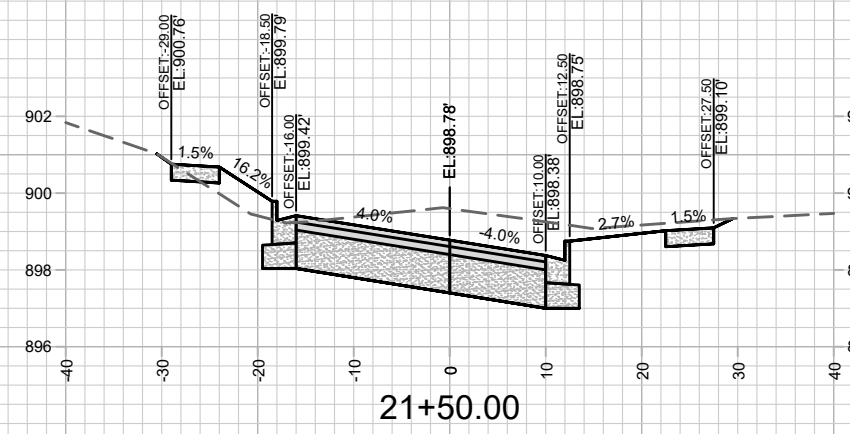
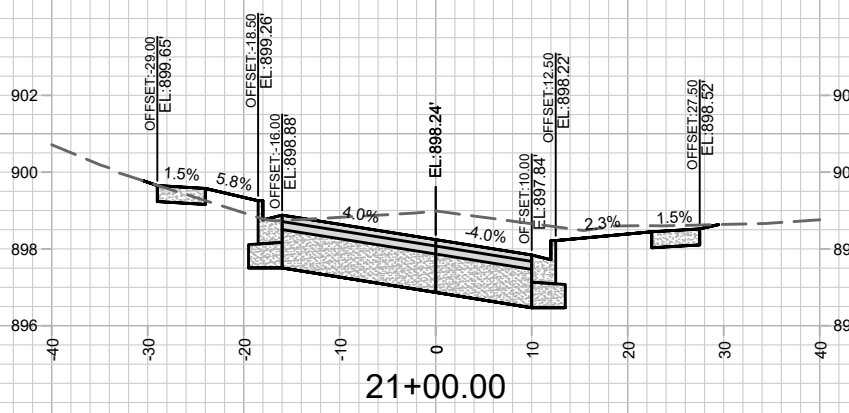
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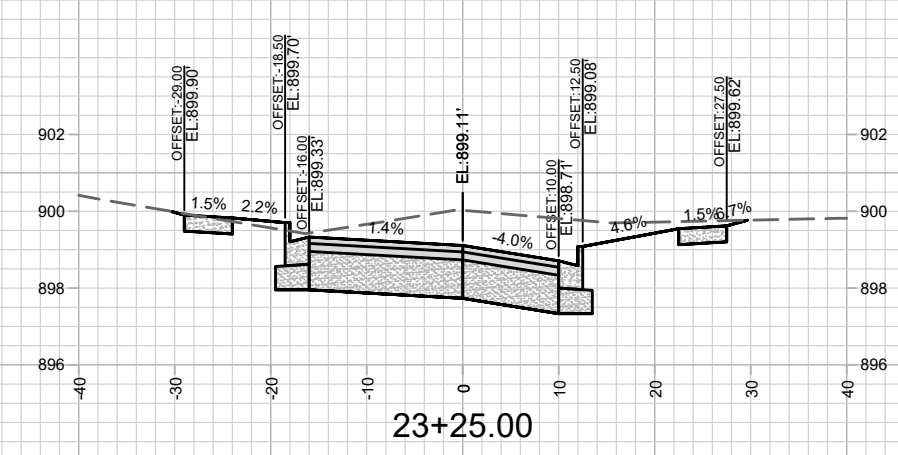
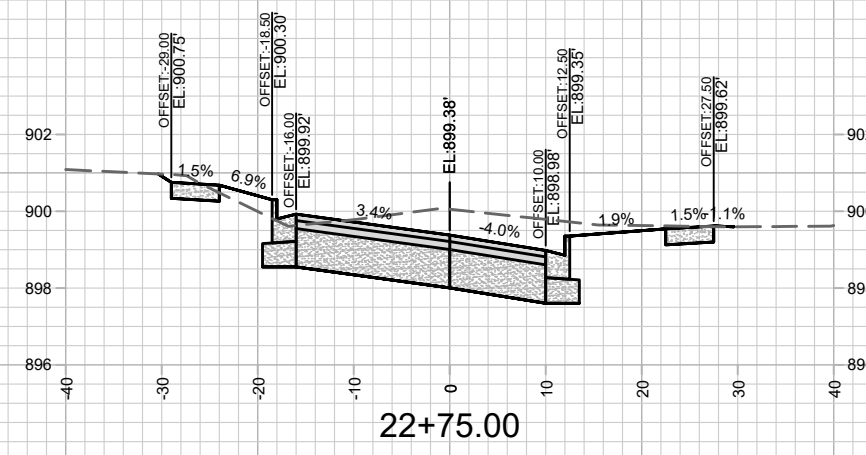
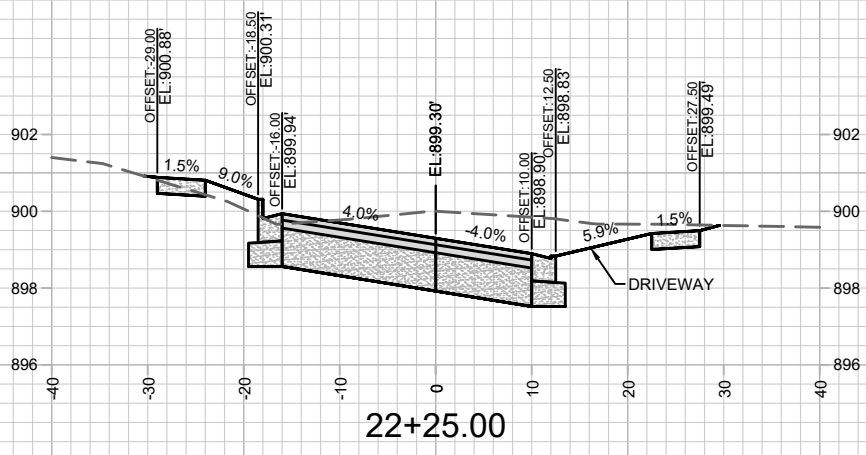
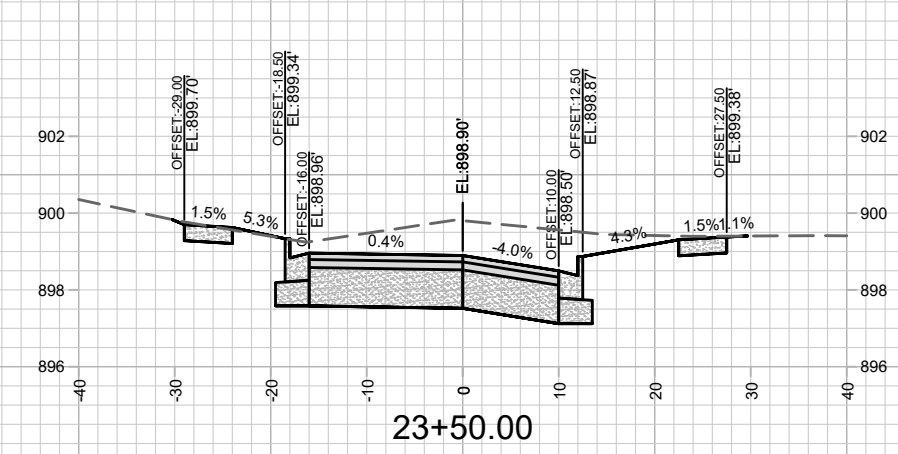
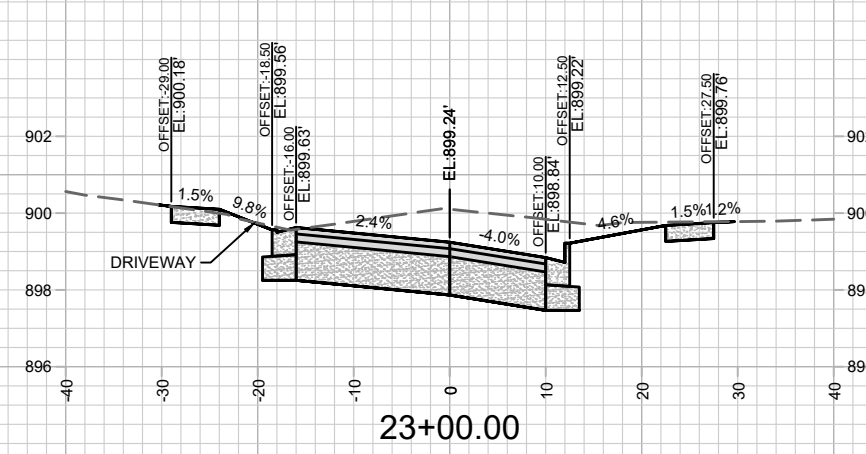
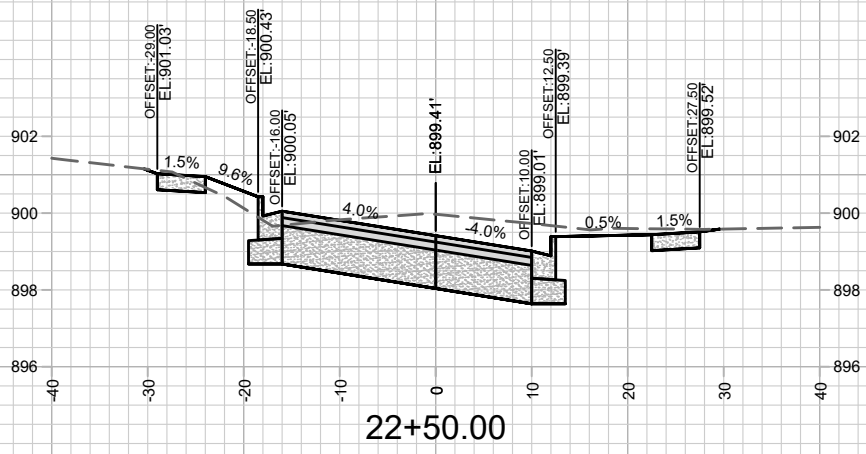
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 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 MADISON, WI  
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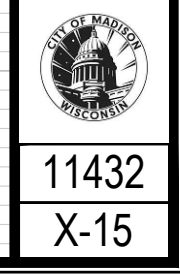
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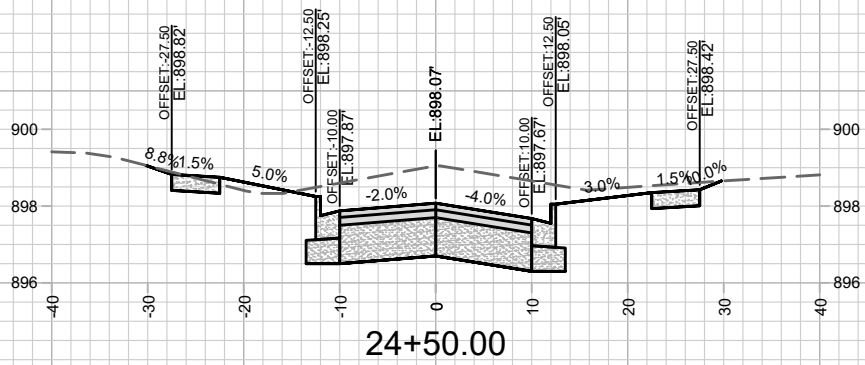
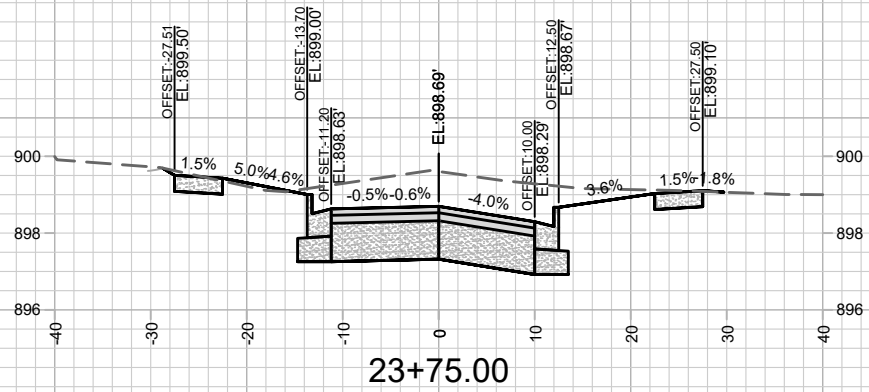
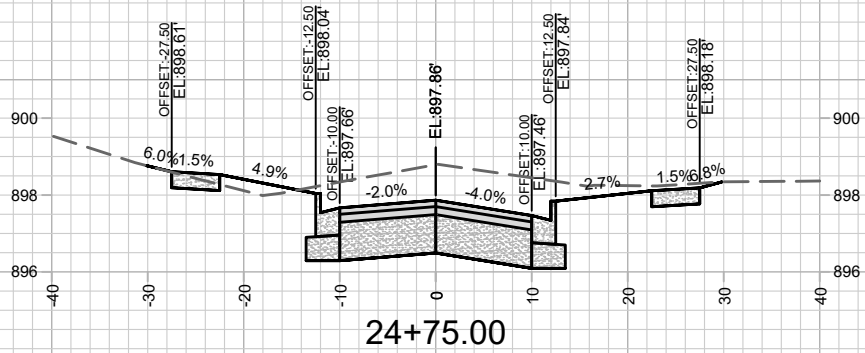
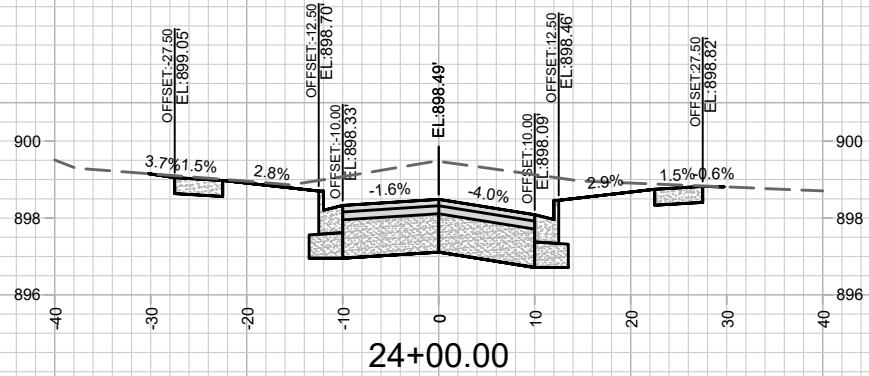
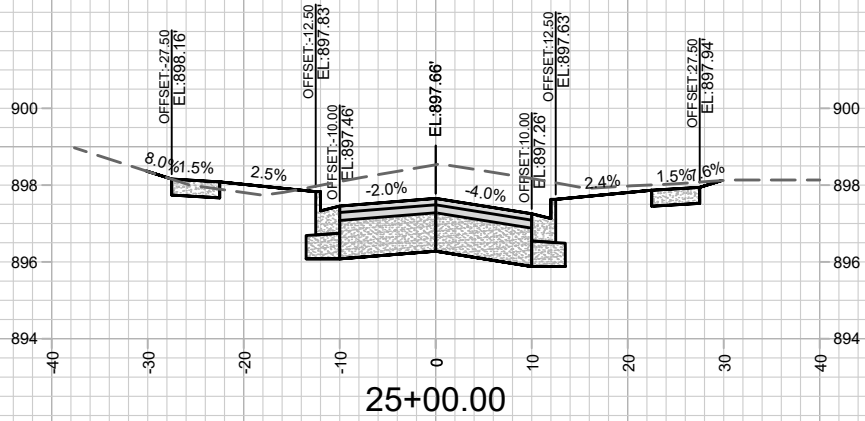
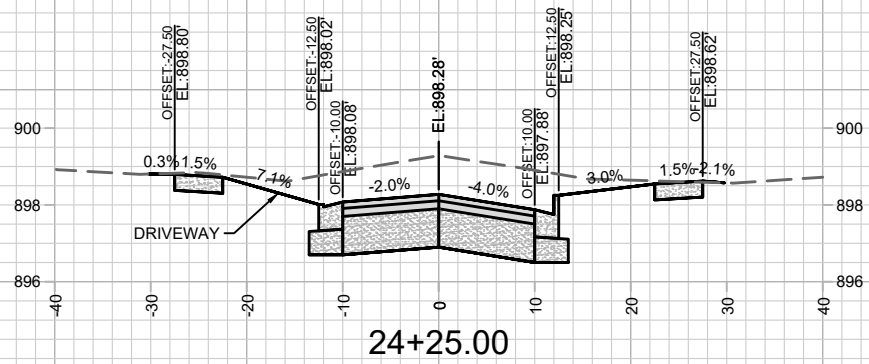
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 DEAN AVE. CROSS SECTIONS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
 CONTRACT NO: 7838  
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 DEAN AVE. CROSS SECTIONS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 MADISON, WI  
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 CONTRACT NO: 7838  
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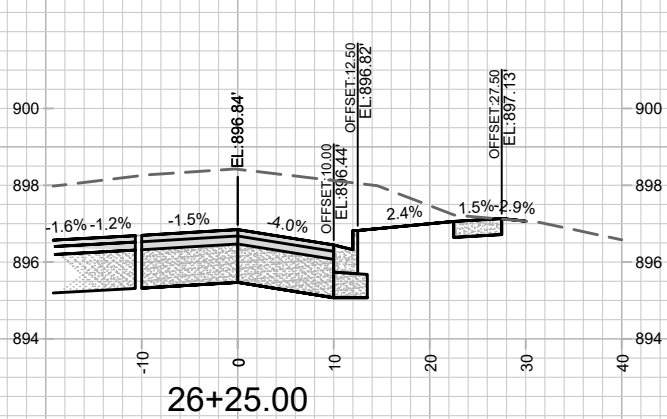
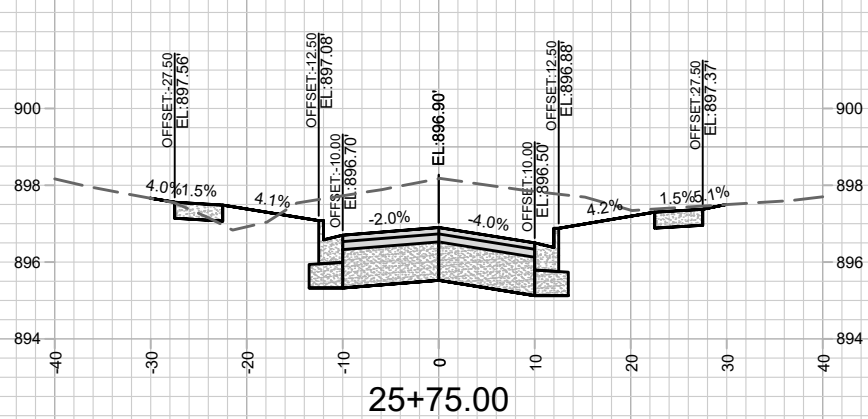
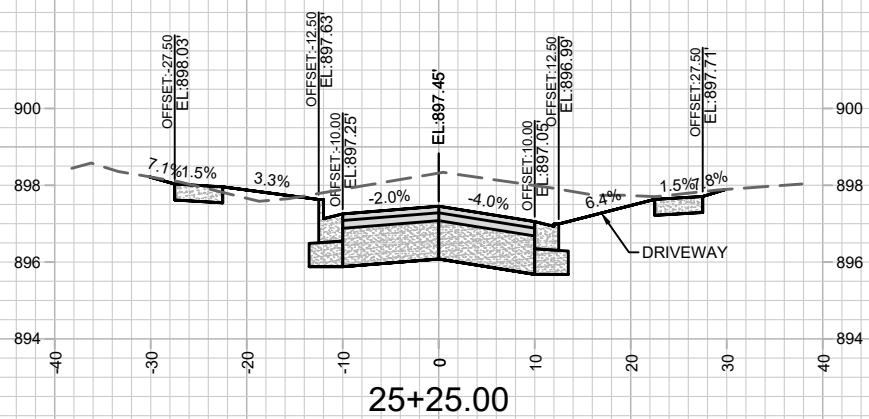
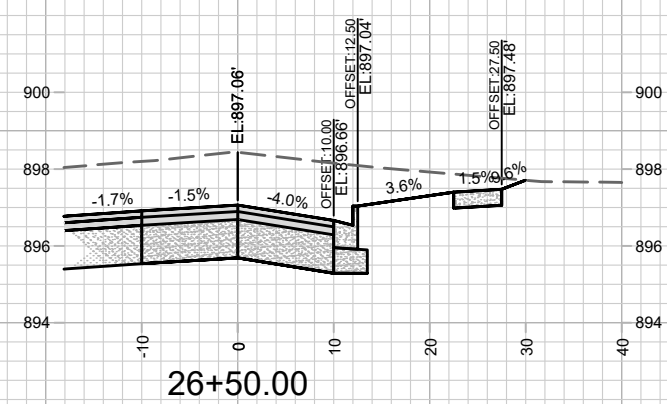
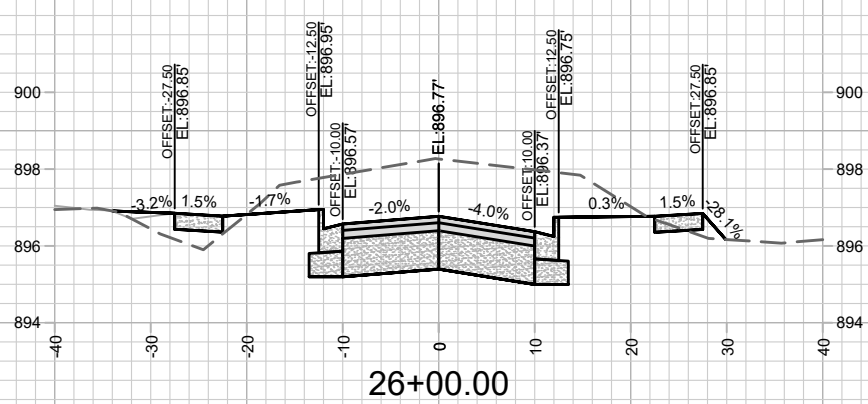
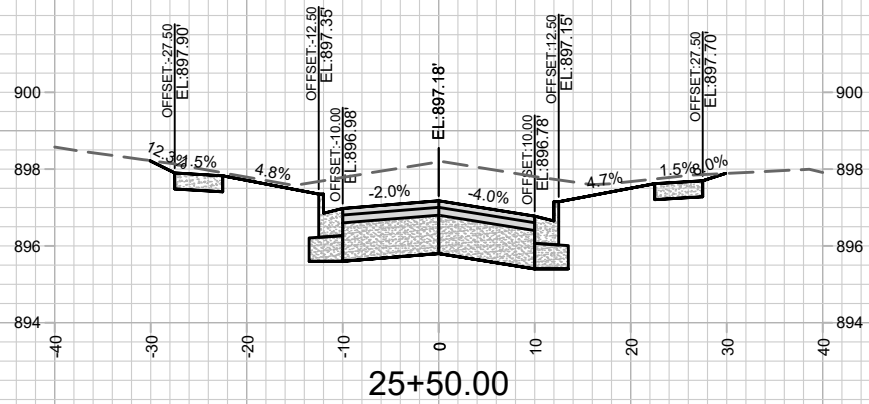


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DEAN AVE. CROSS SECTIONS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
 CONTRACT NO: 7838  
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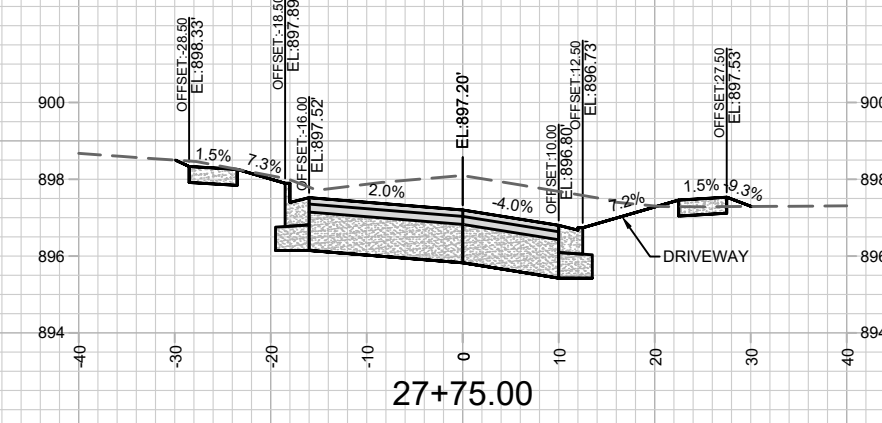
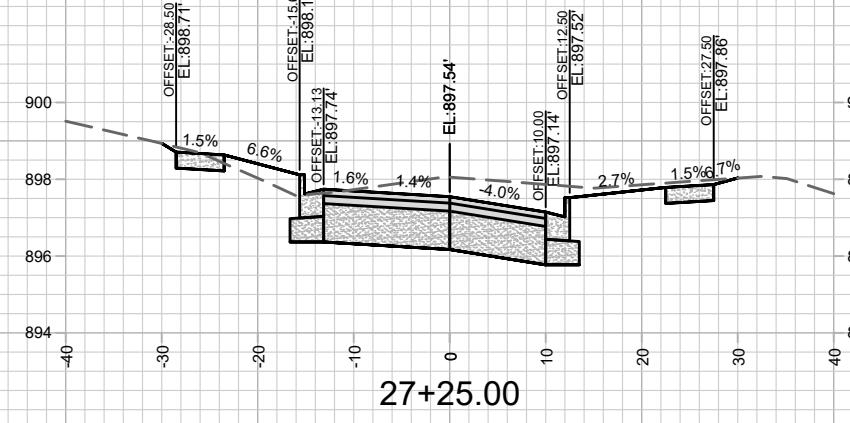
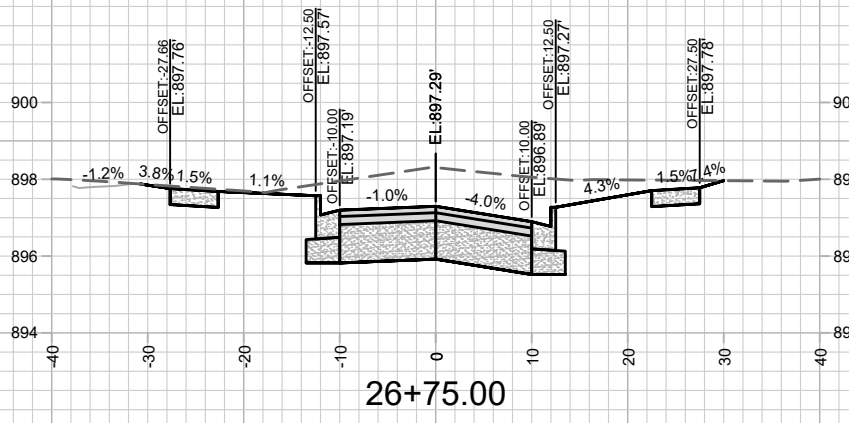
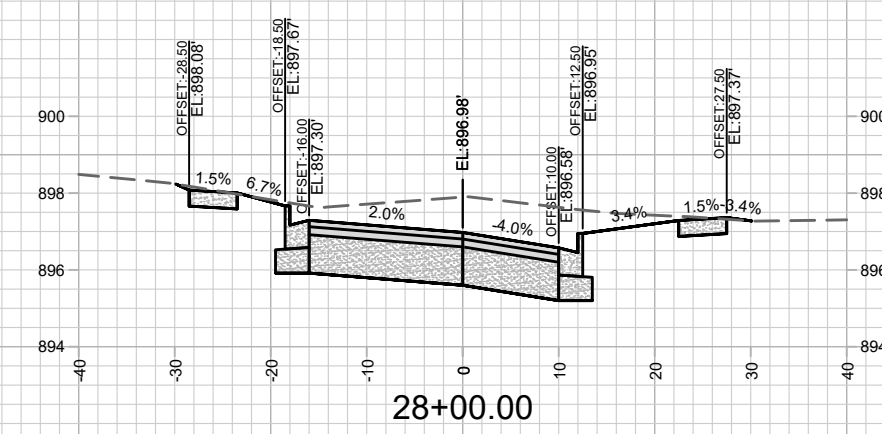
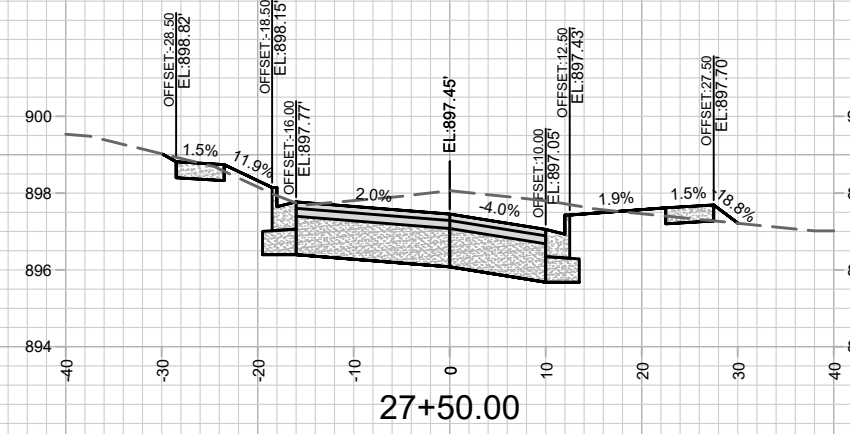
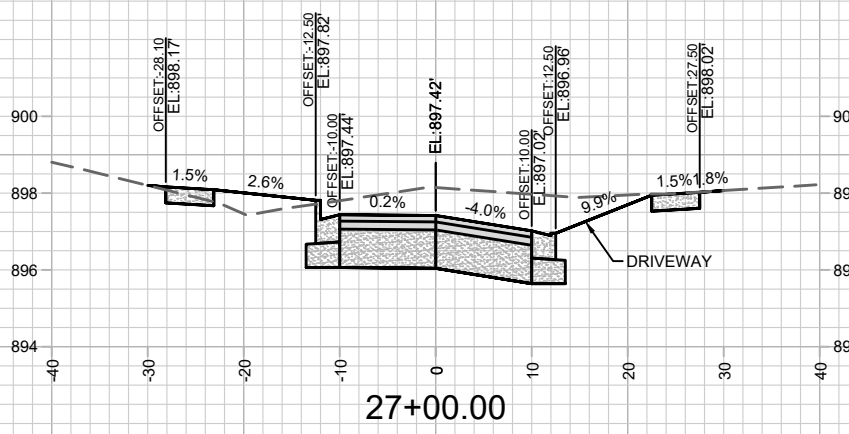
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 MADISON, WI  
 7838  
 CONTRACT NO:  
 DEAN AVE. CROSS SECTIONS  
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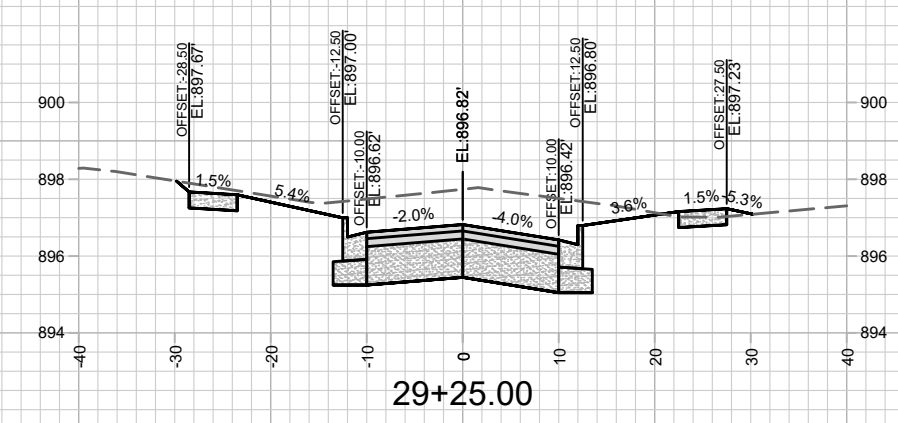
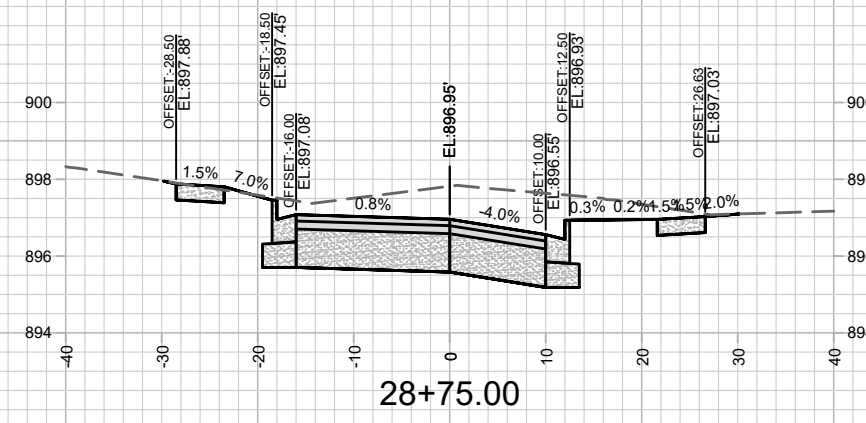
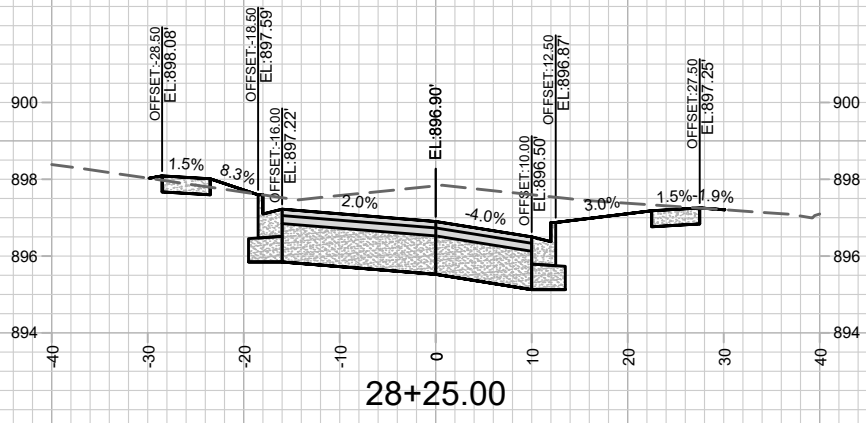
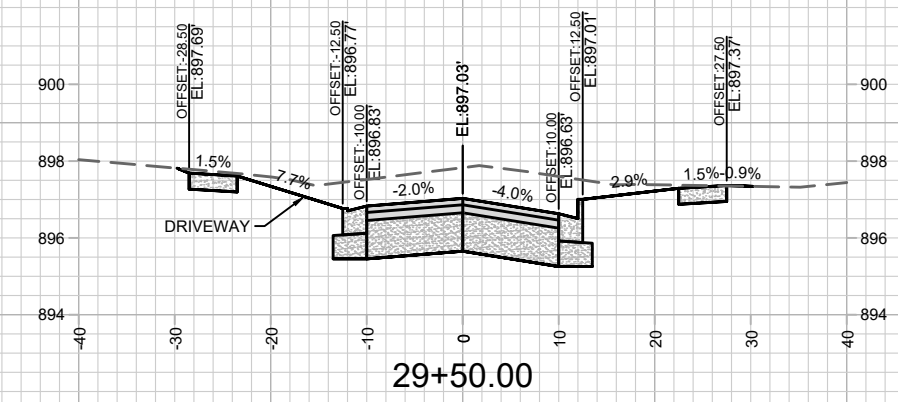
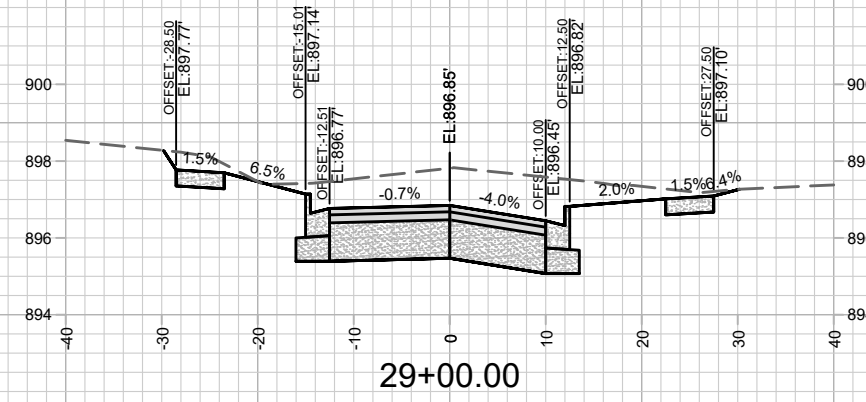
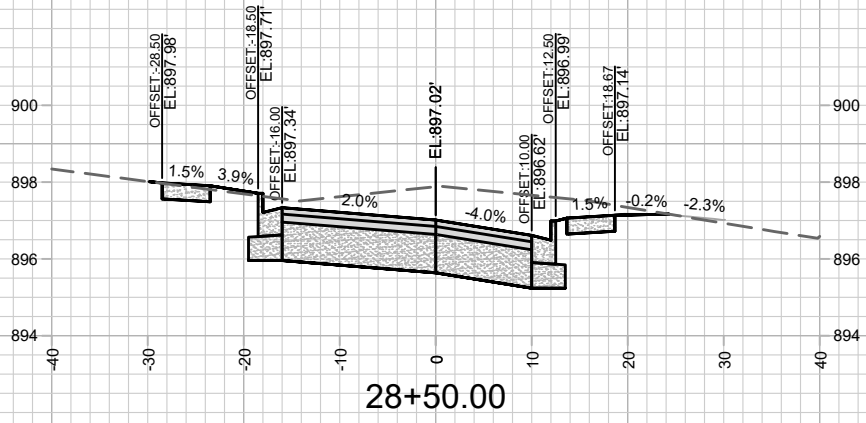


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 DEAN AVE. CROSS SECTIONS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 MADISON, WI  
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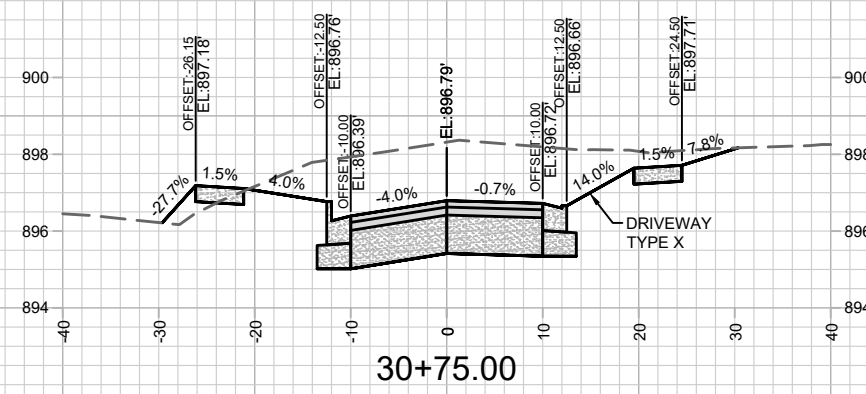
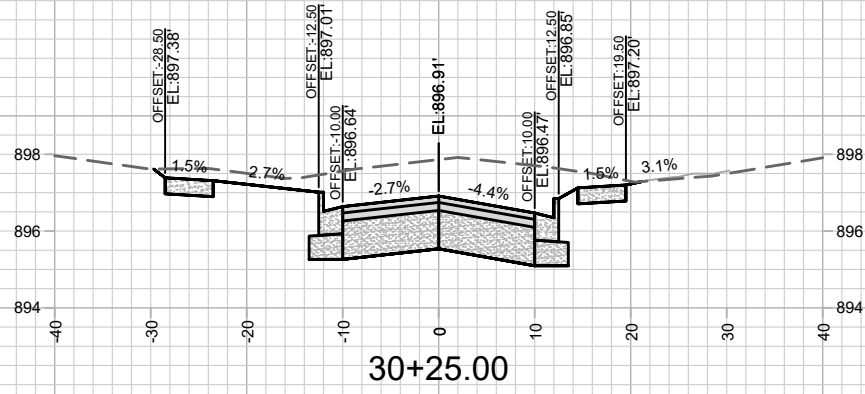
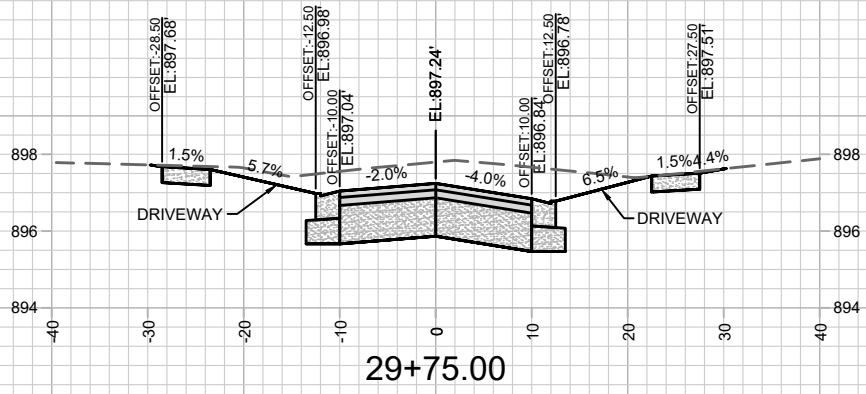
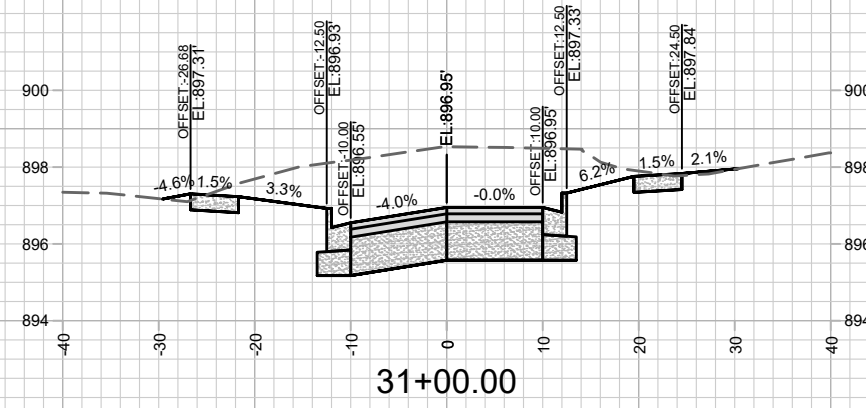
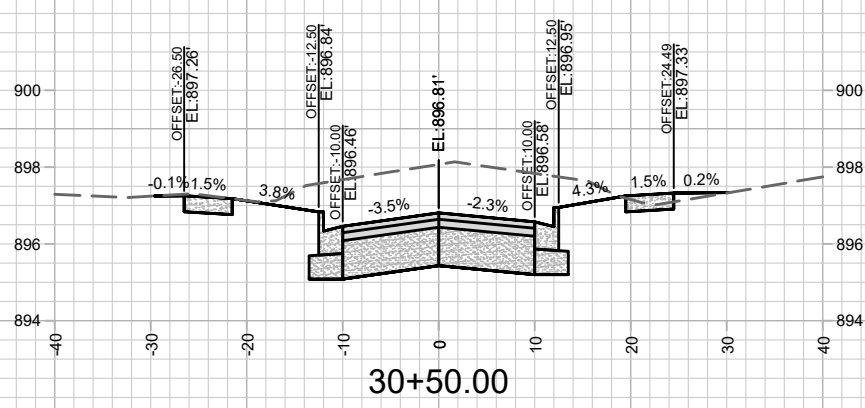
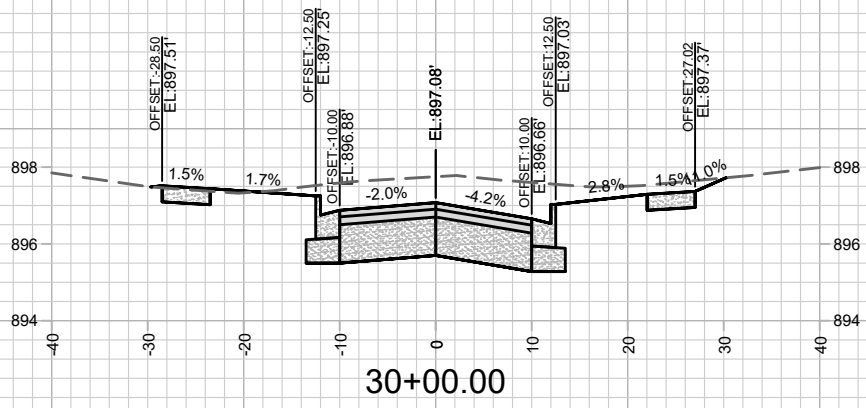


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 DEAN AVE. CROSS SECTIONS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 MADISON, WI  
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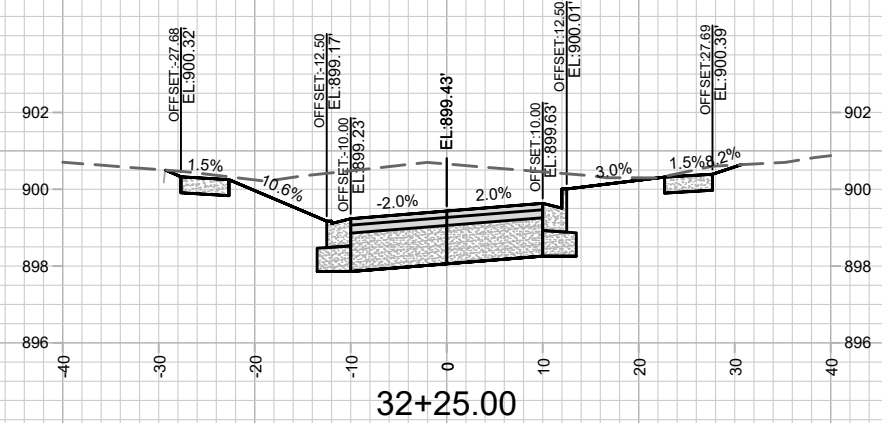
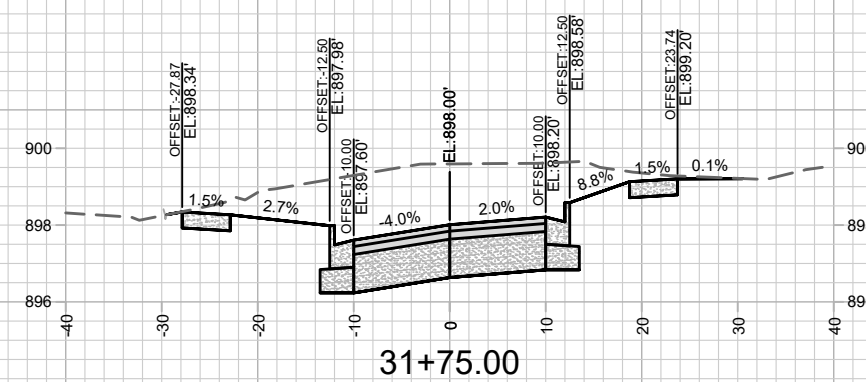
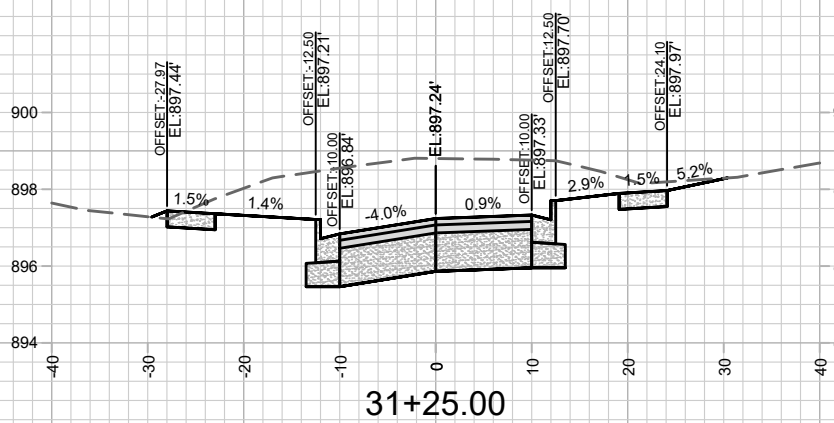
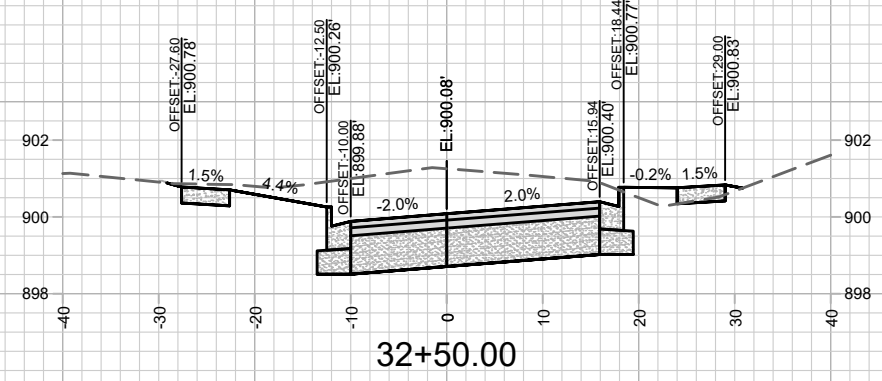
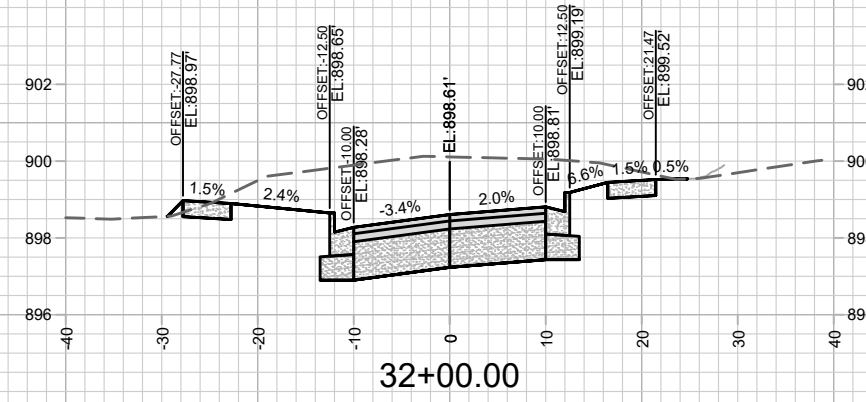
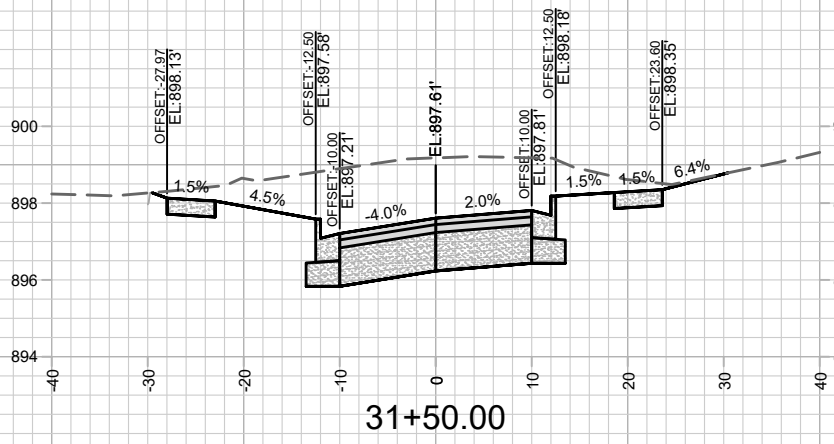
MARK	REVISION	DATE	BY

11432  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
 CONTRACT NO.: 7838  
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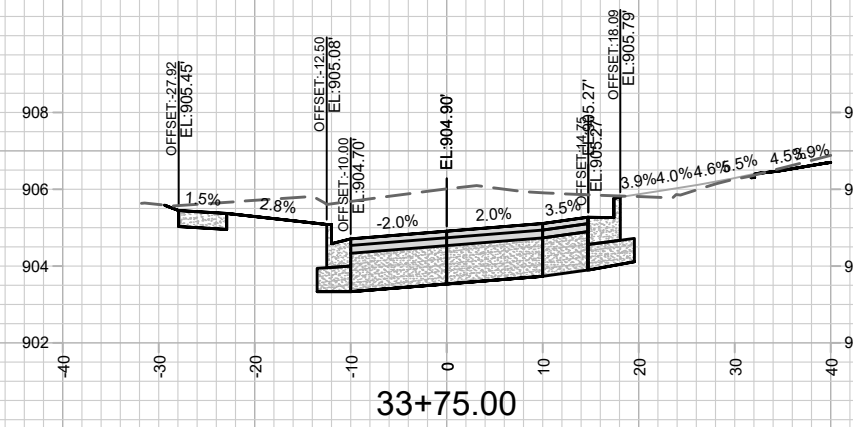
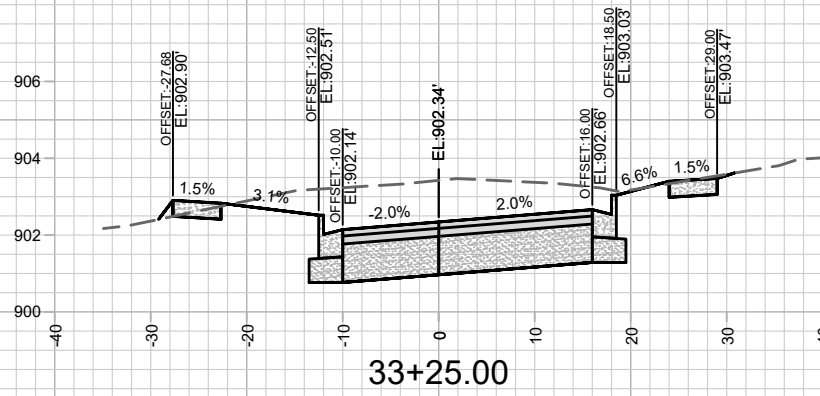
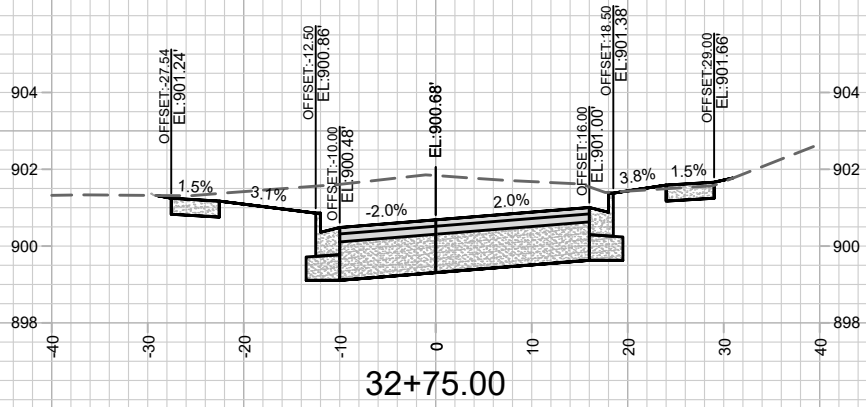
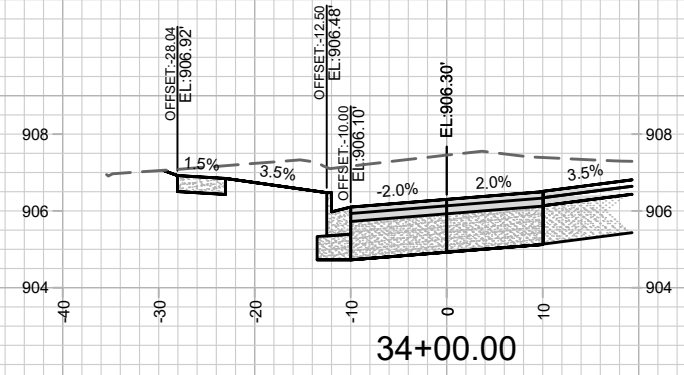
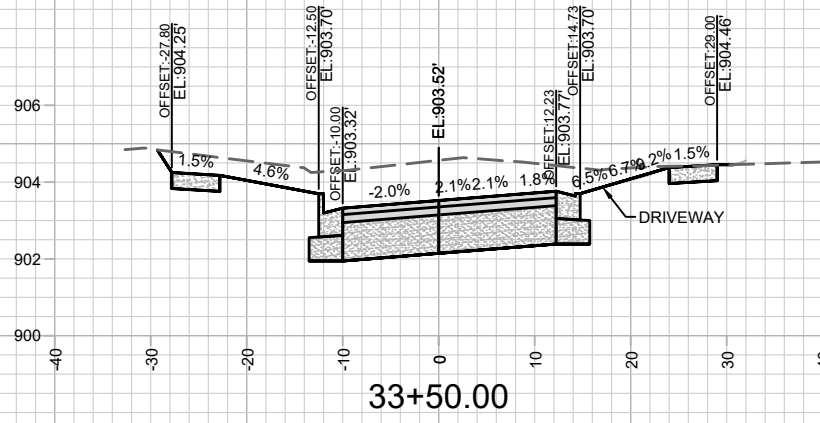
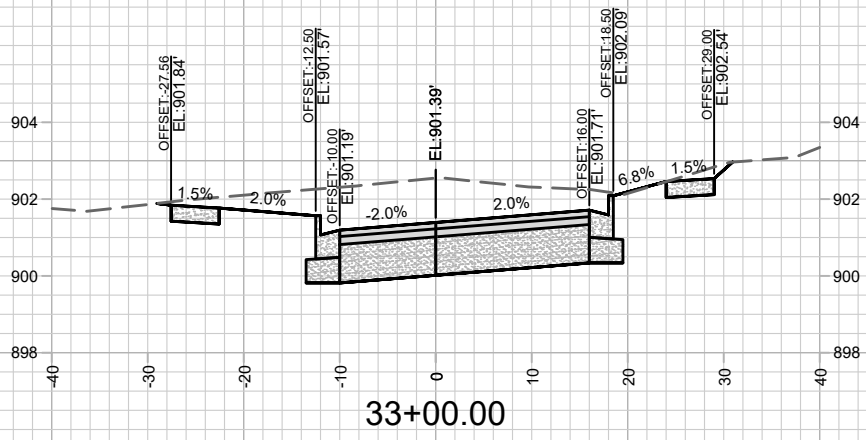
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 DEAN AVE. CROSS SECTIONS  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 MADISON, WI  
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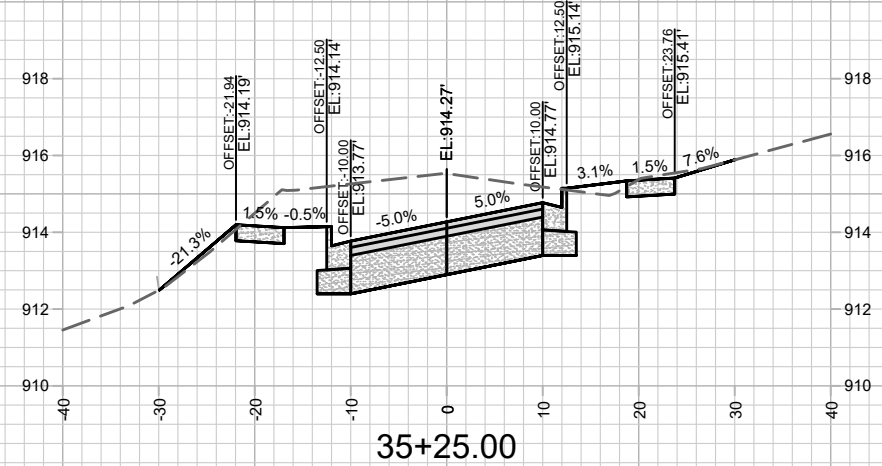
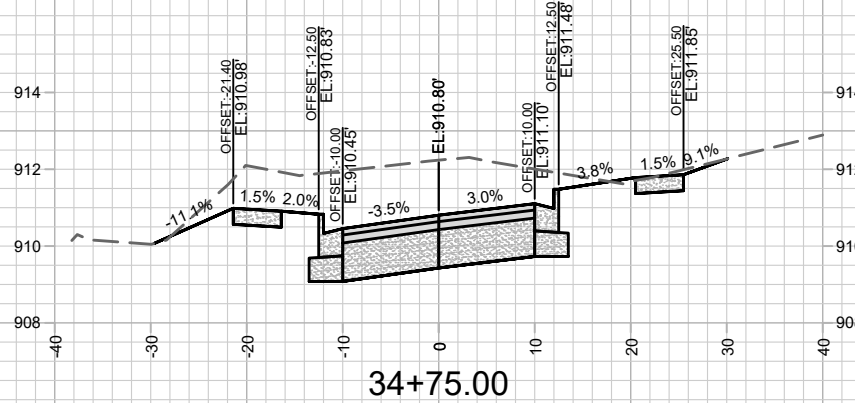
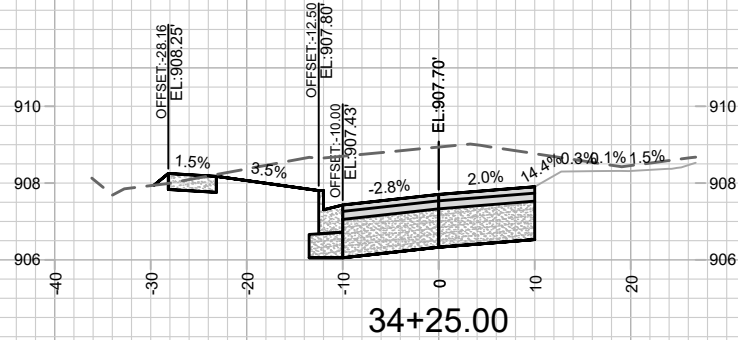
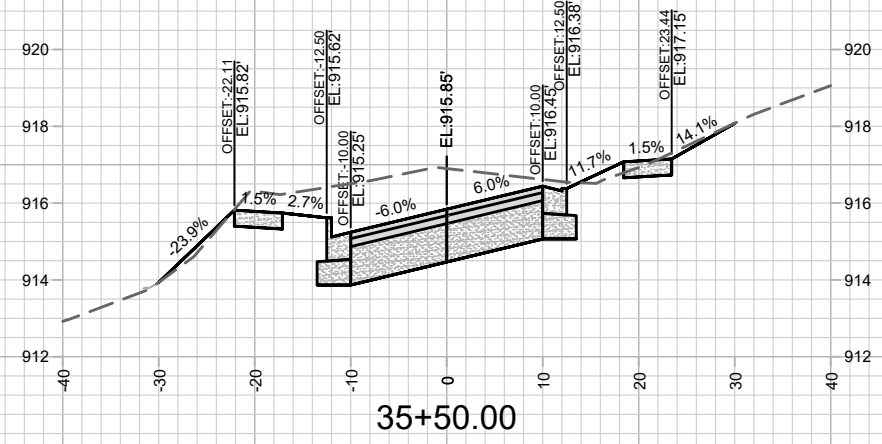
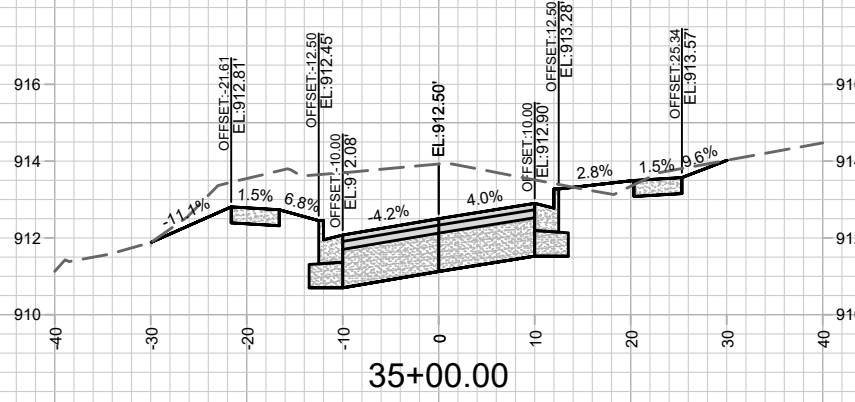
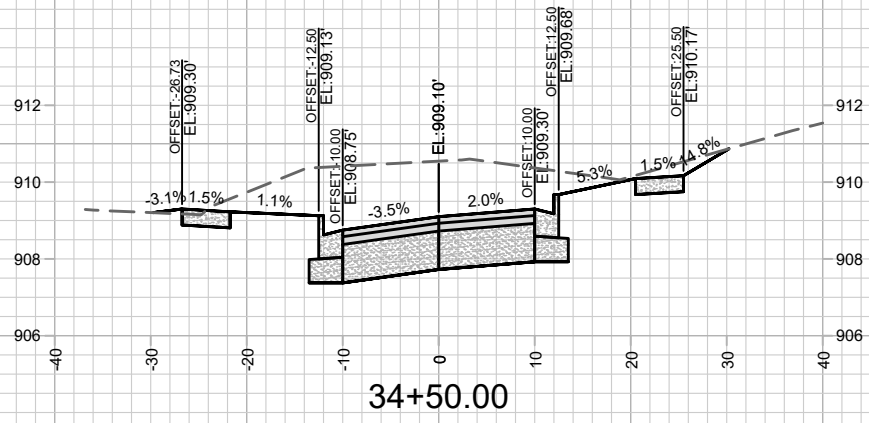
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11432  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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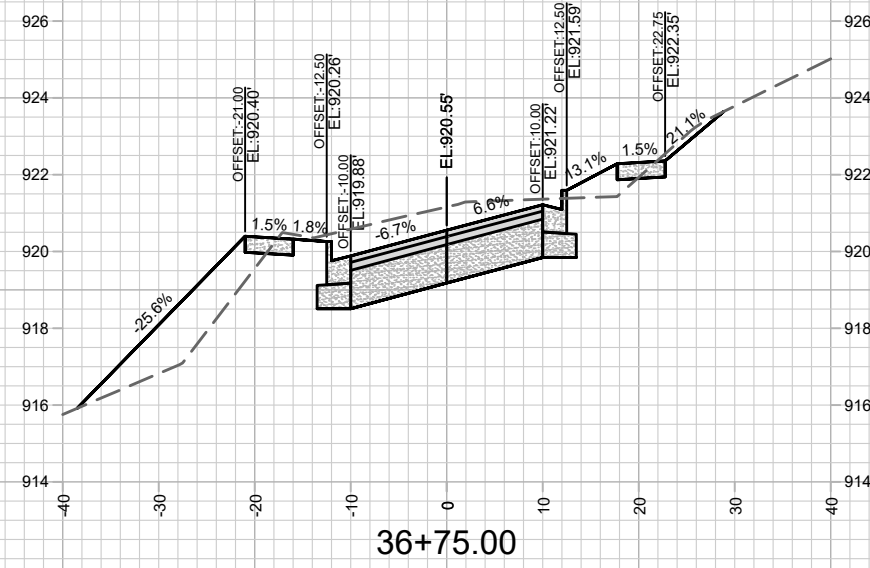
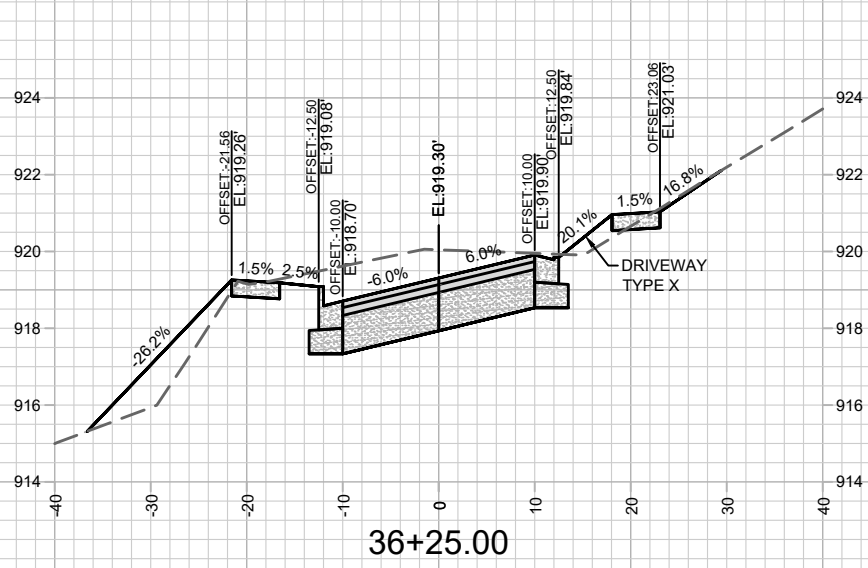
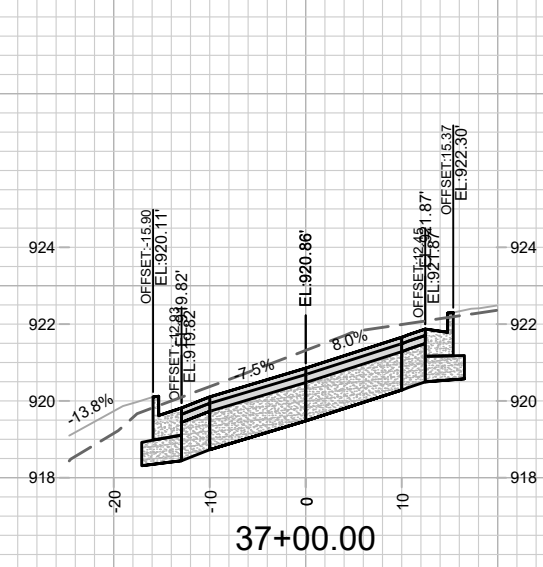
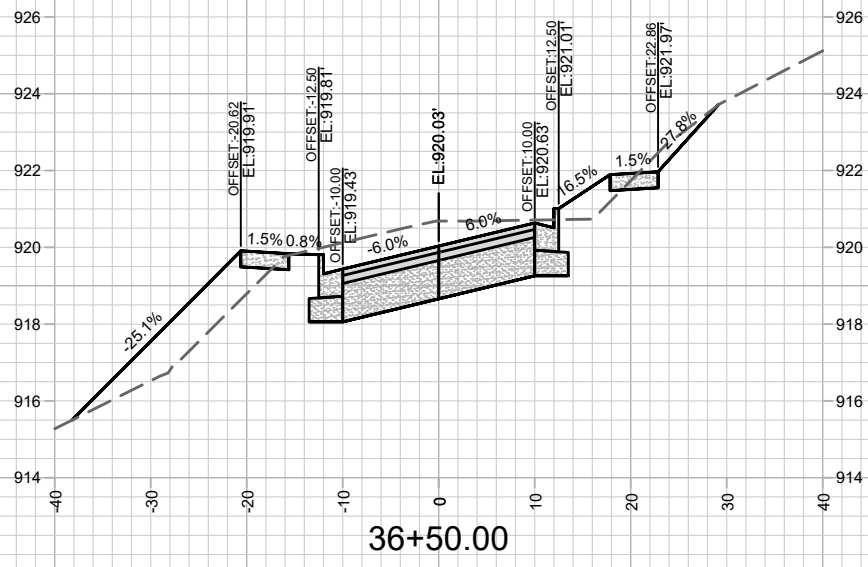
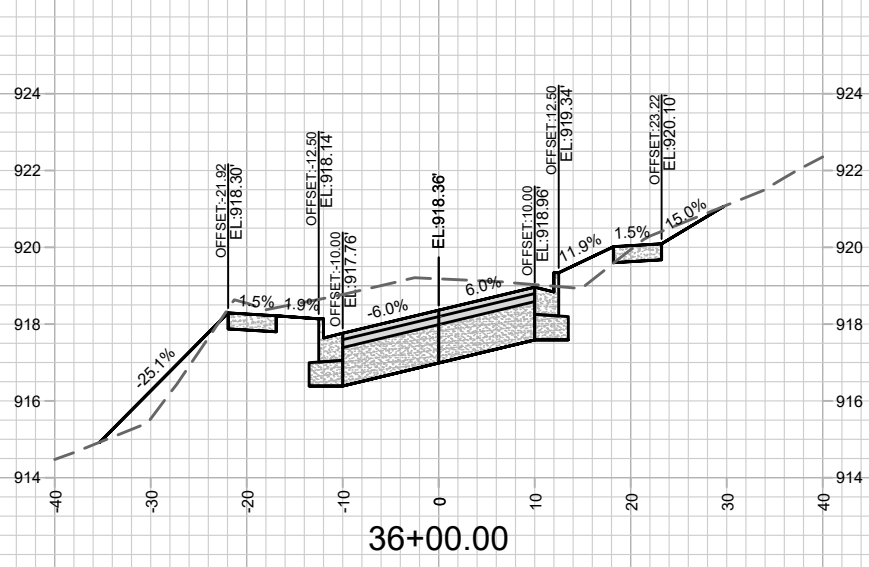


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 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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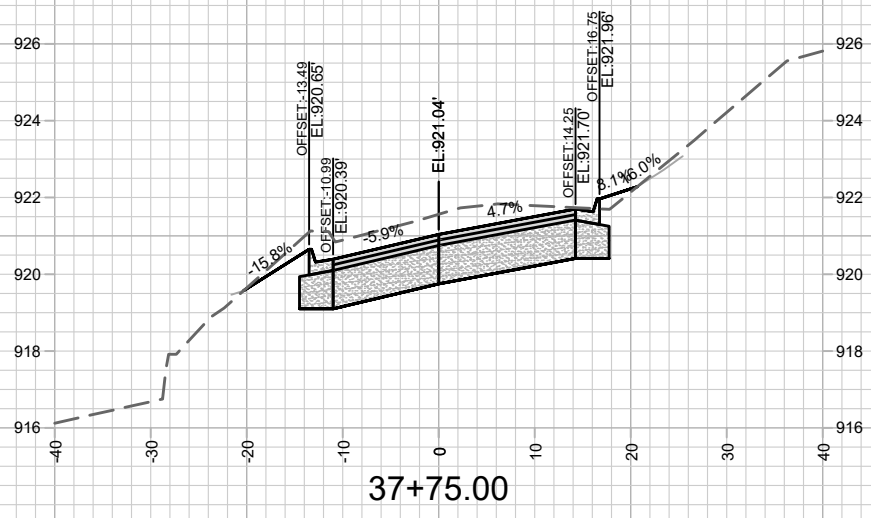
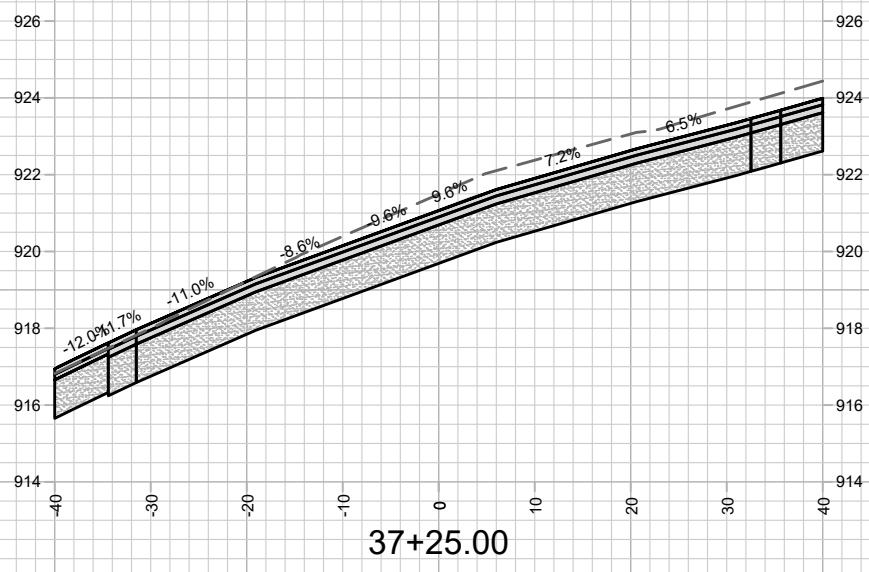
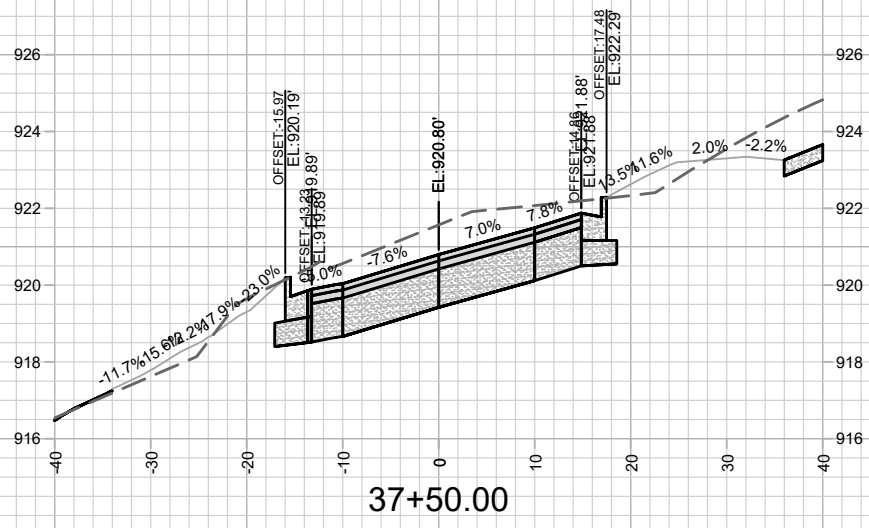
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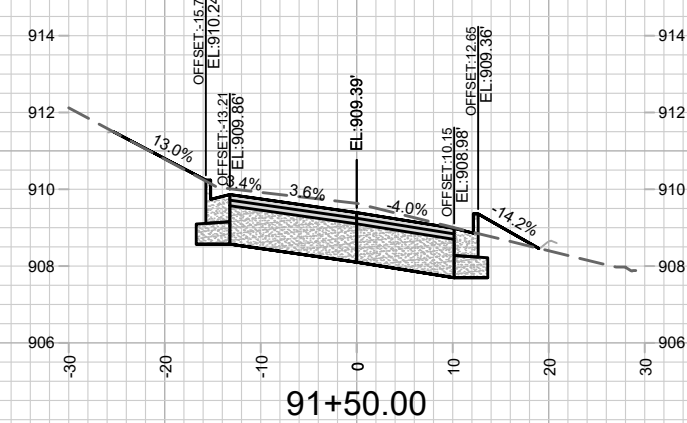
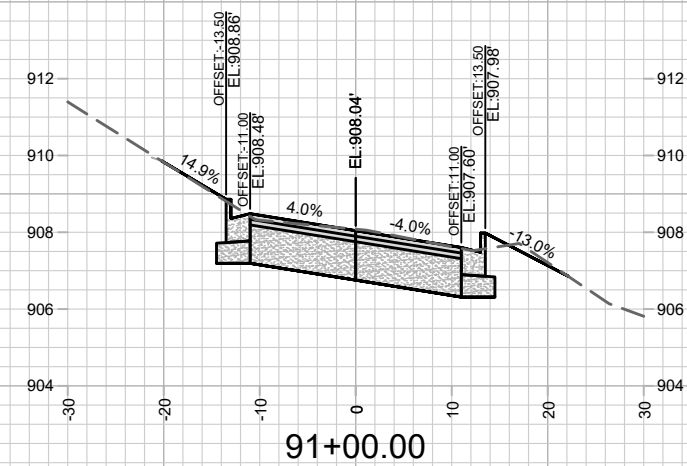
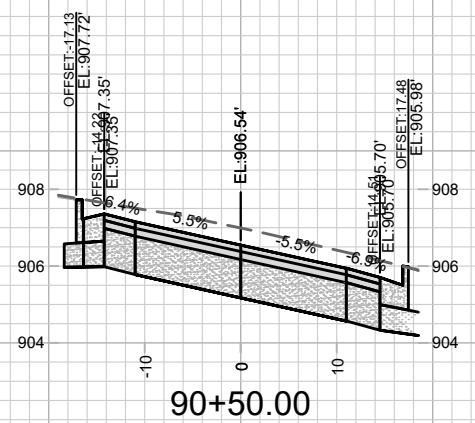
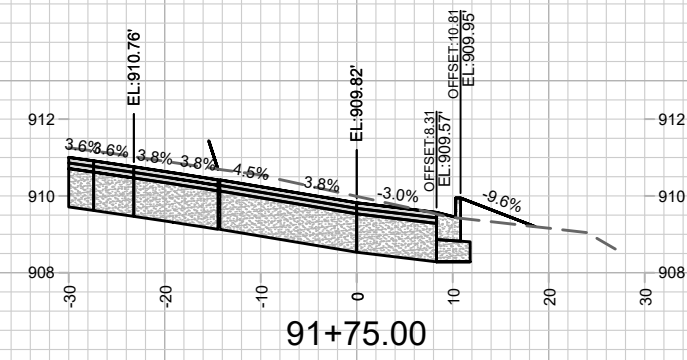
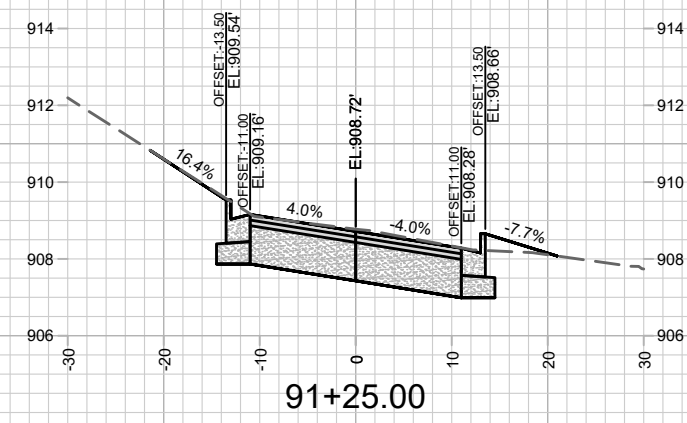
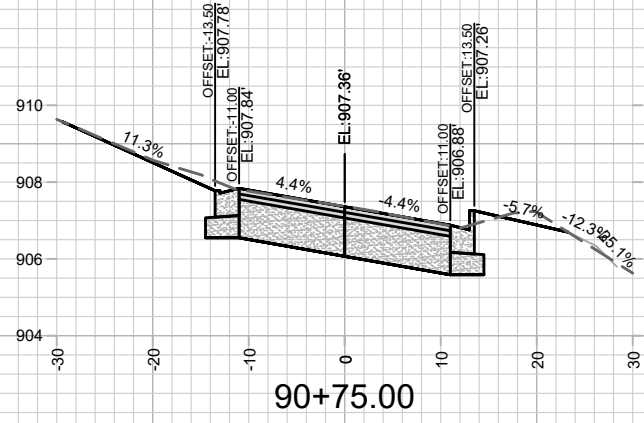
DEAN AVE. CROSS SECTIONS  
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
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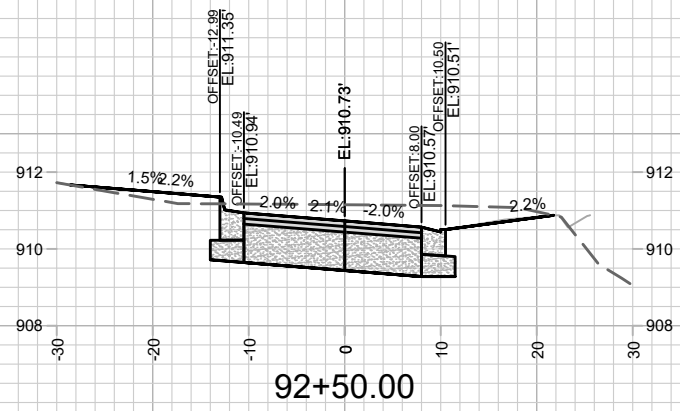
DEAN AVE. CROSS SECTIONS 11432  
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 MADISON, WI  
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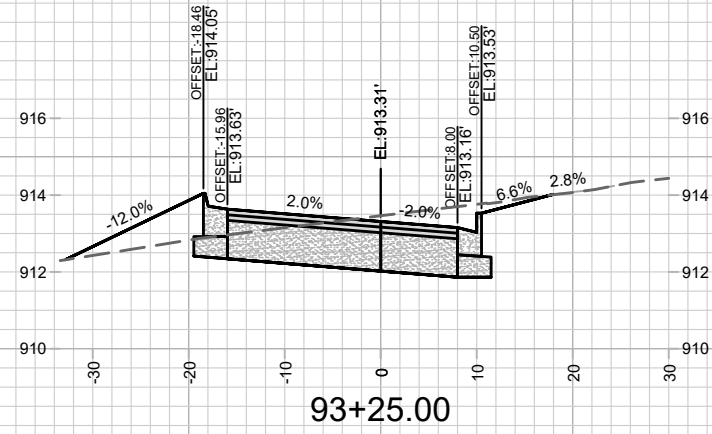
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 11432  
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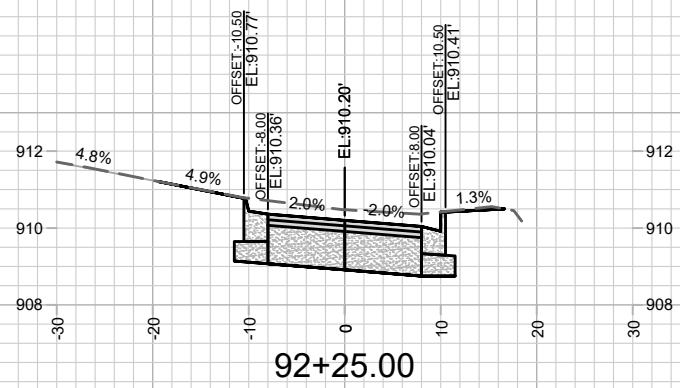
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 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021  
 MADISON, WI  
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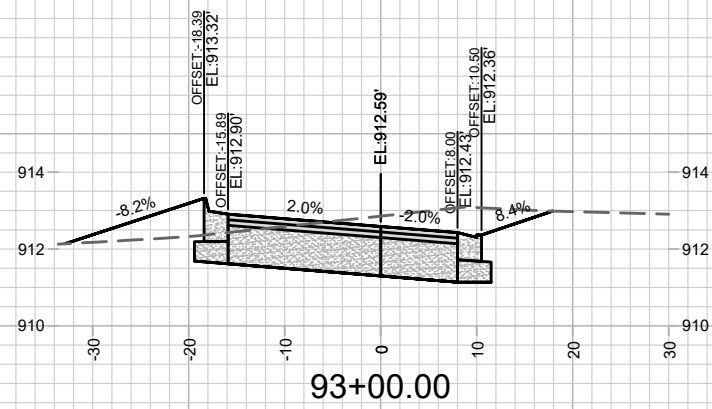
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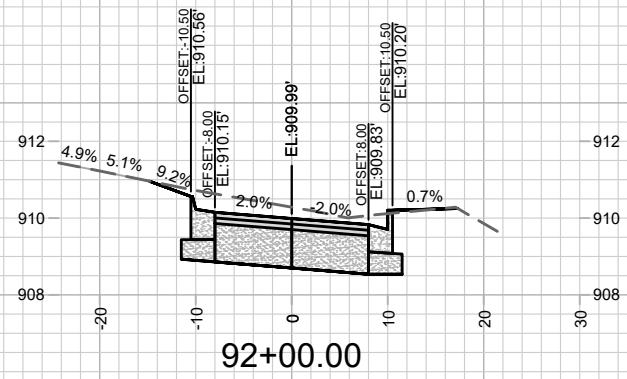
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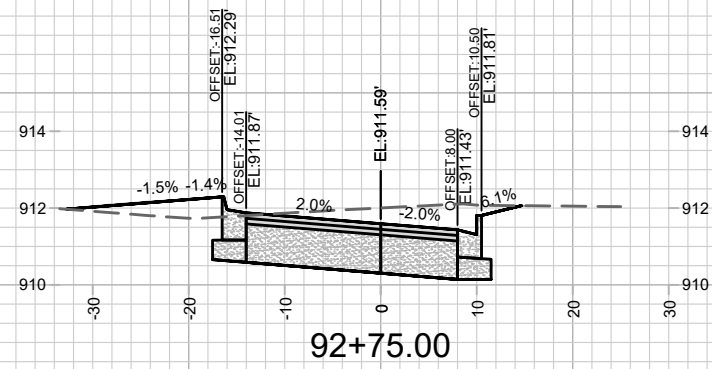
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92+00.00



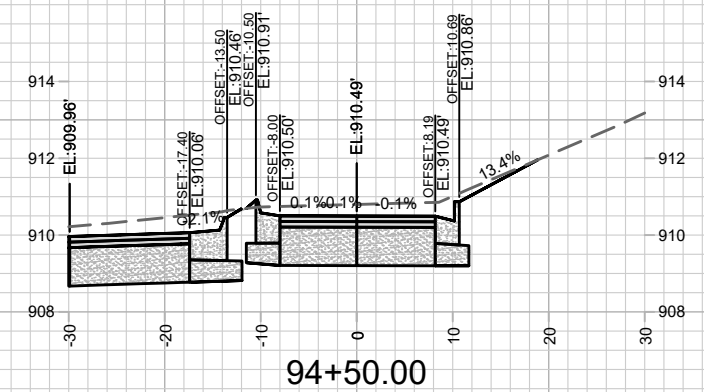
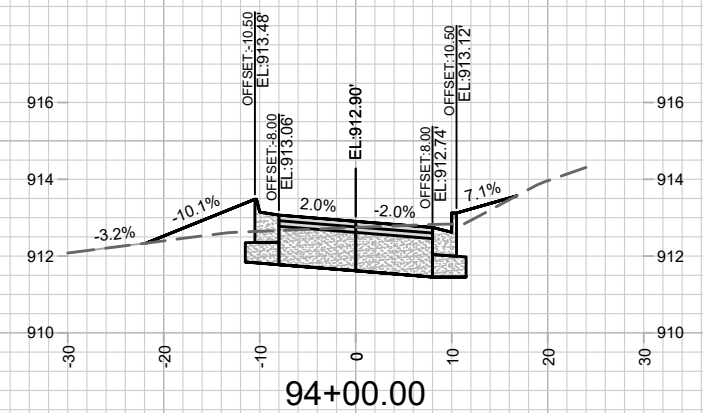
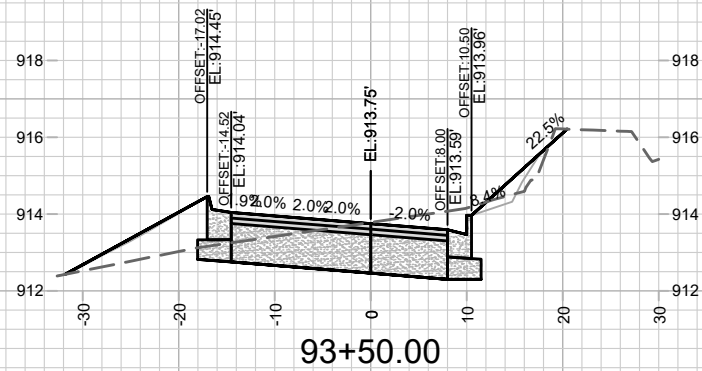
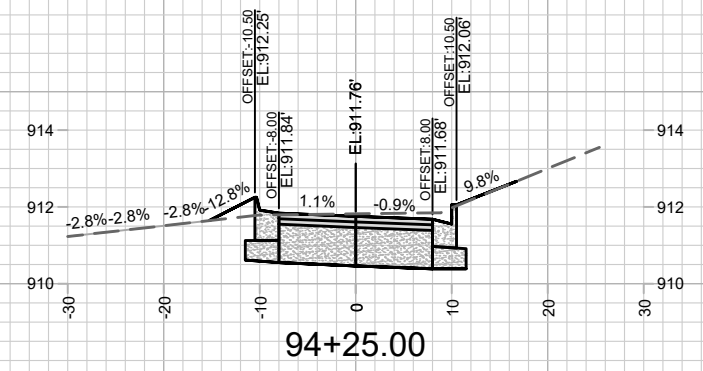
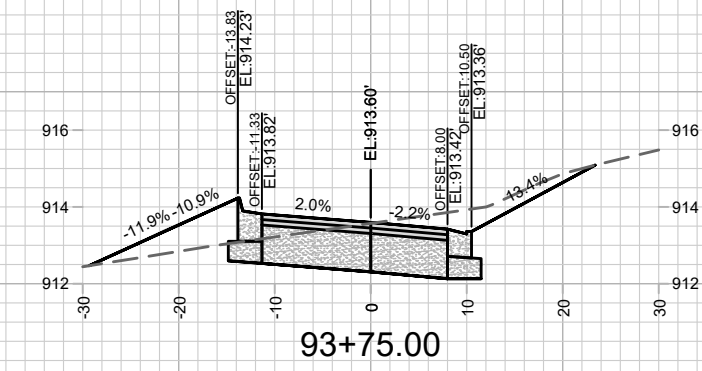
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 SETH CIR. CROSS SECTIONS  
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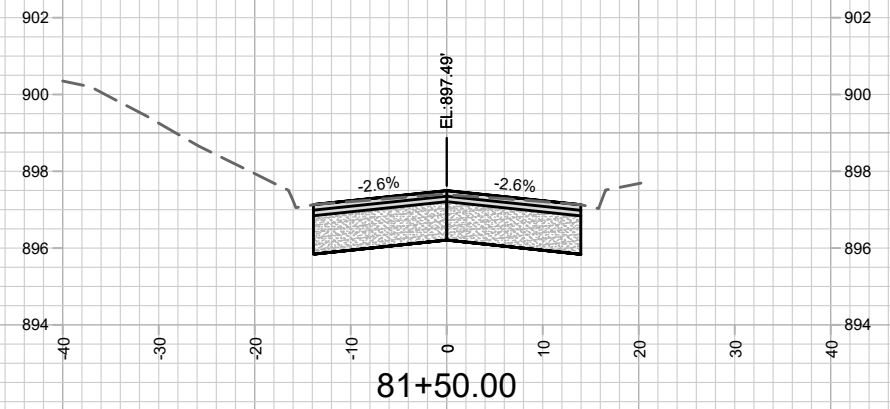
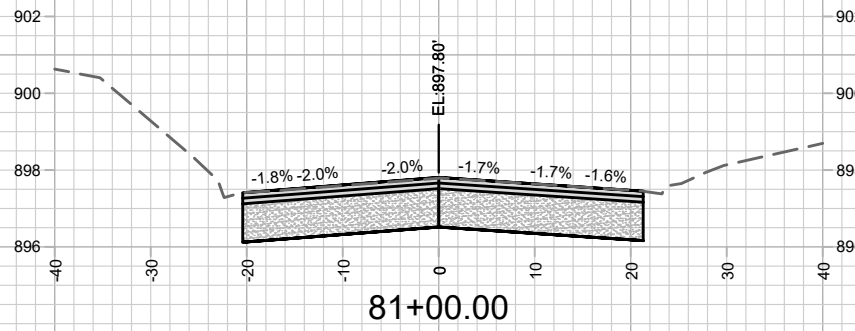
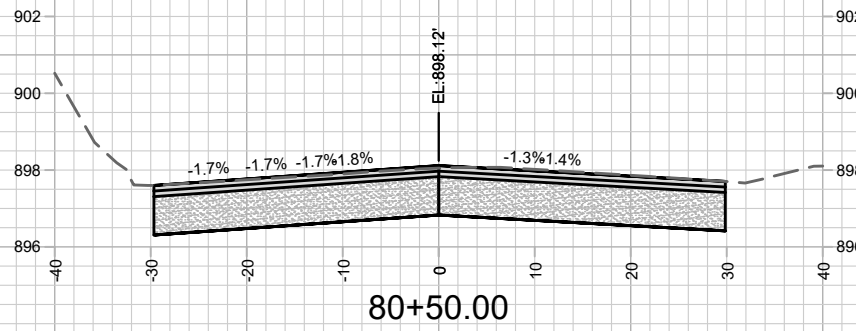
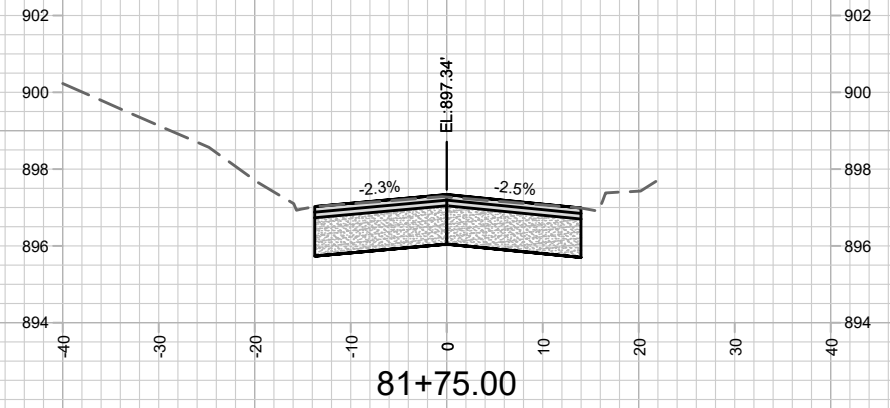
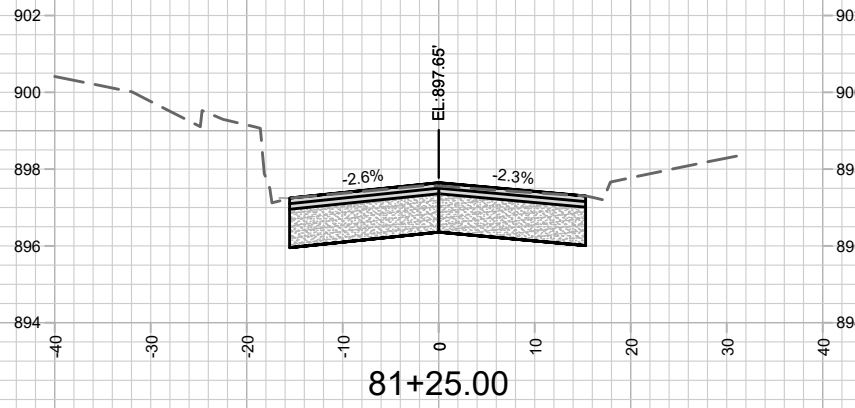
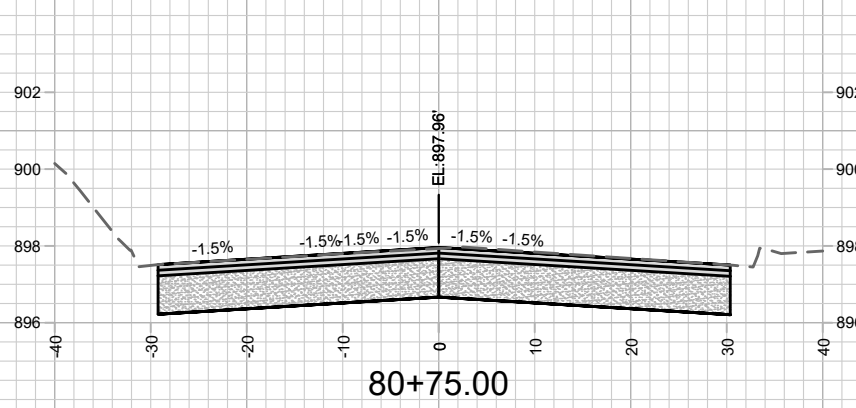


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11432	4/17/2021 7:27 AM	11432	X-28

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 SETH CIR. CROSS SECTIONS  
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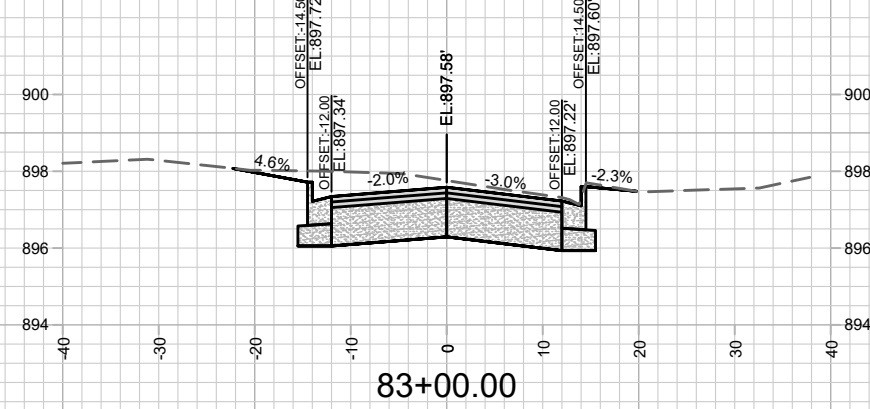
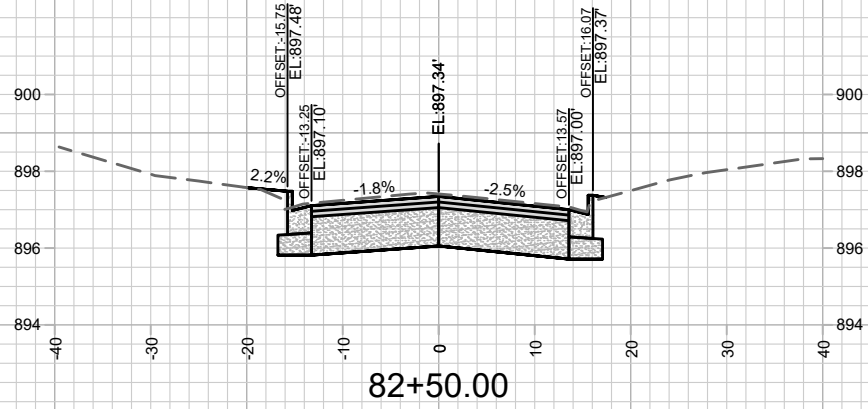
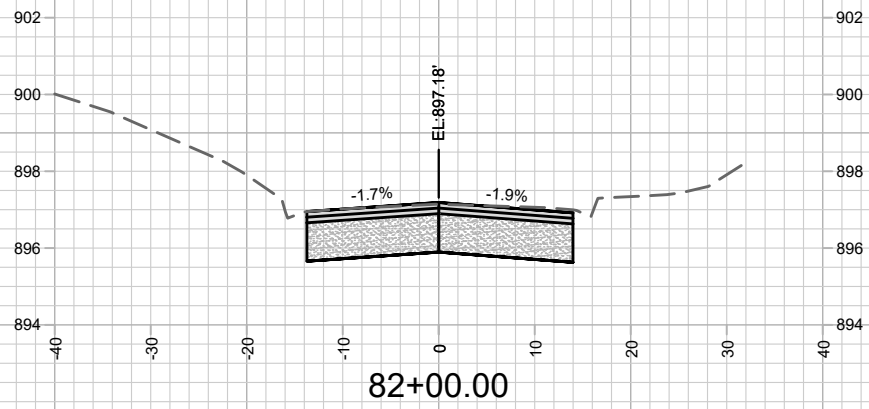
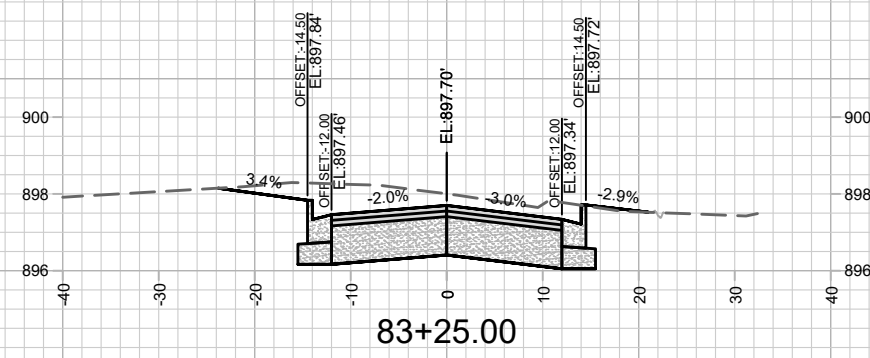
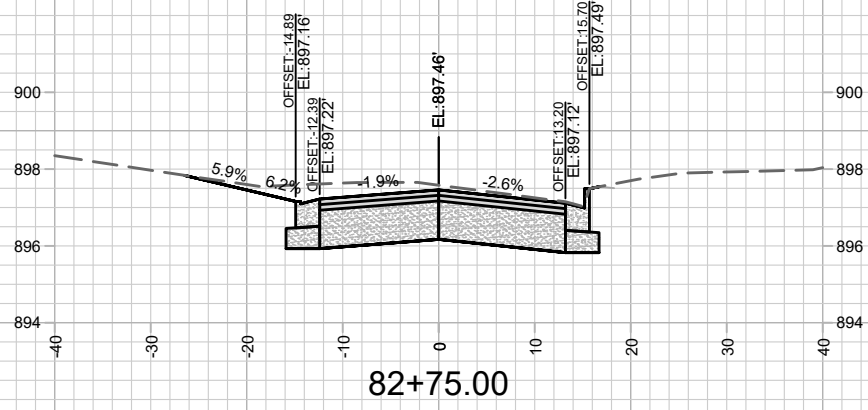
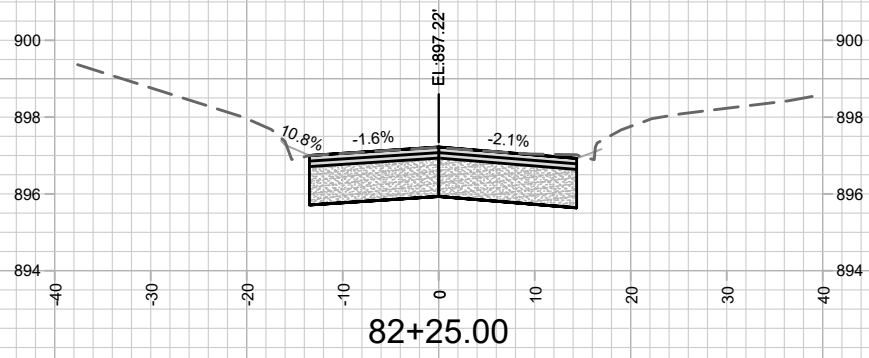


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11432  
 TYLER CIR. CROSS SECTIONS  
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 MADISON, WI  
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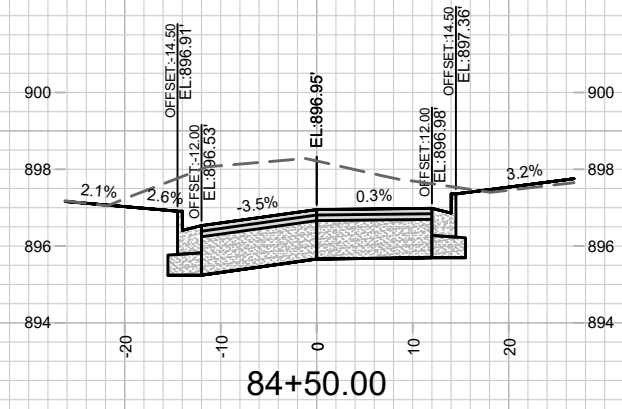
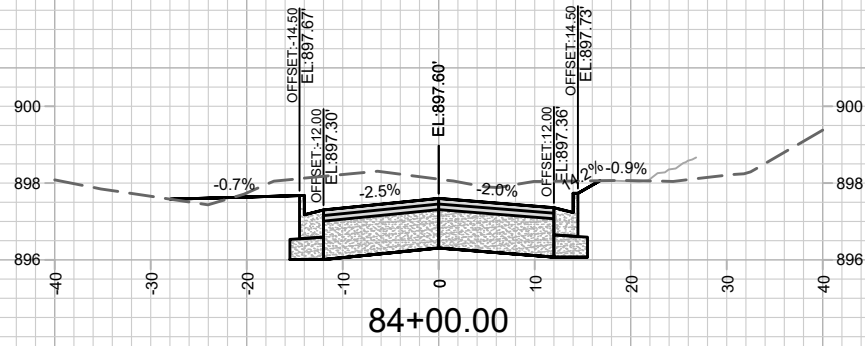
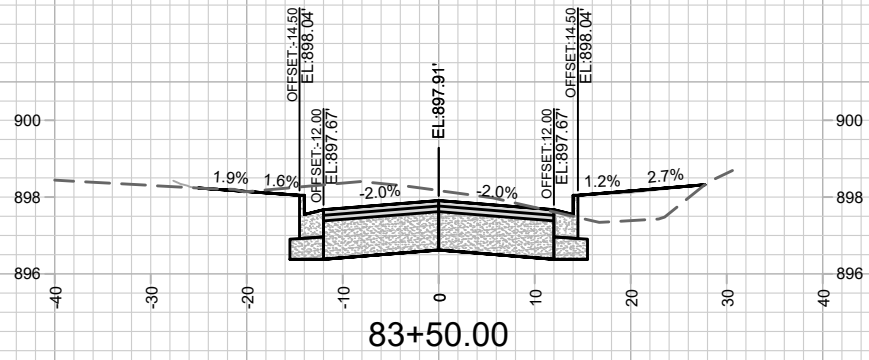
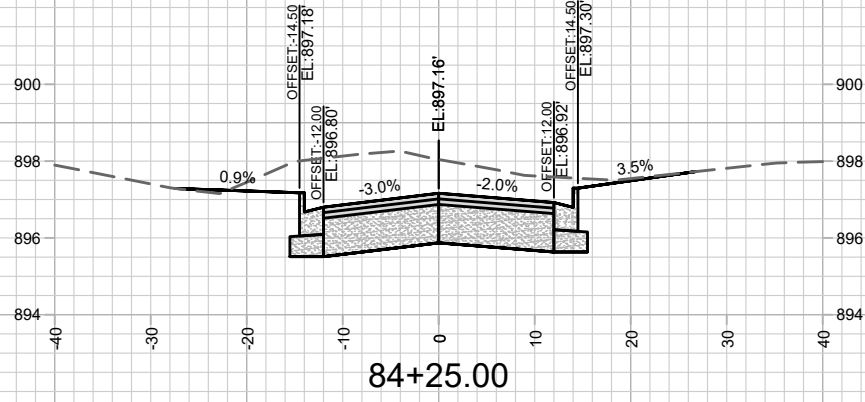
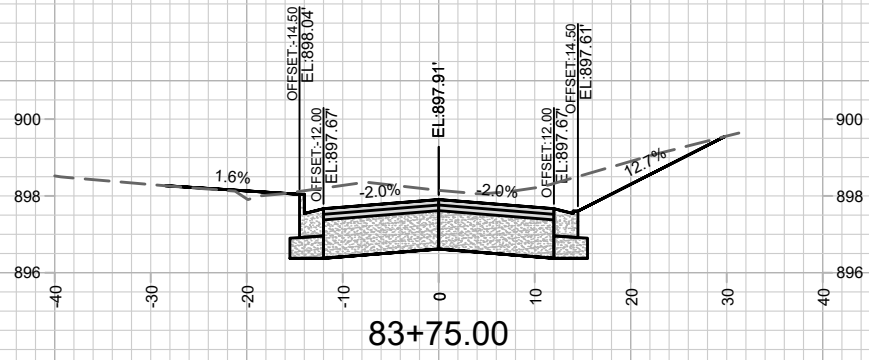
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 X-30



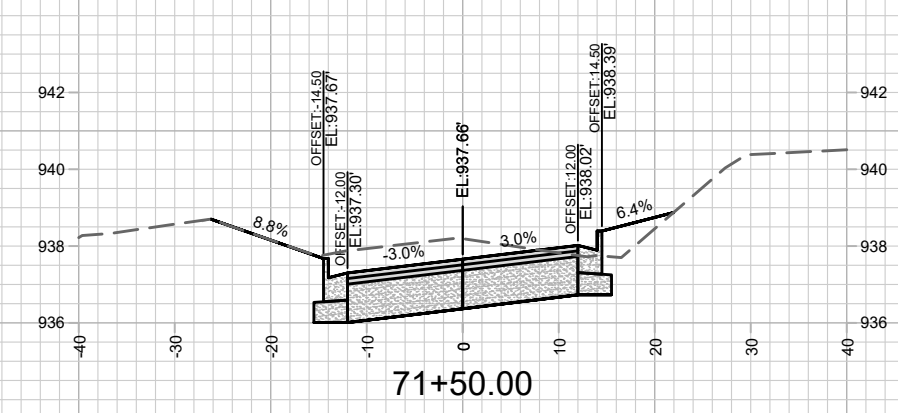
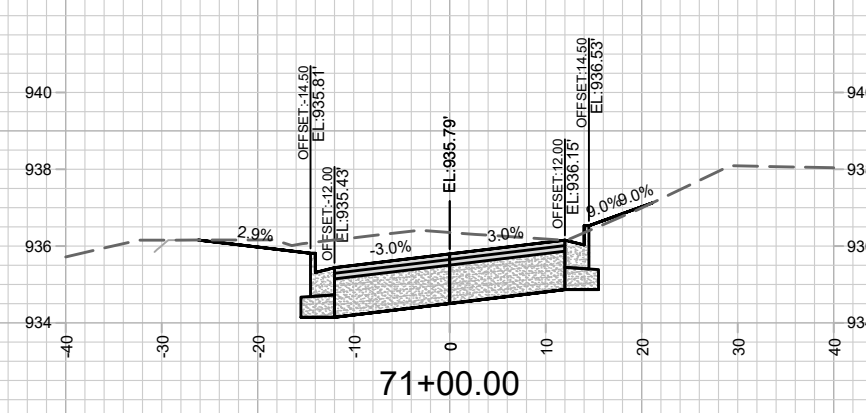
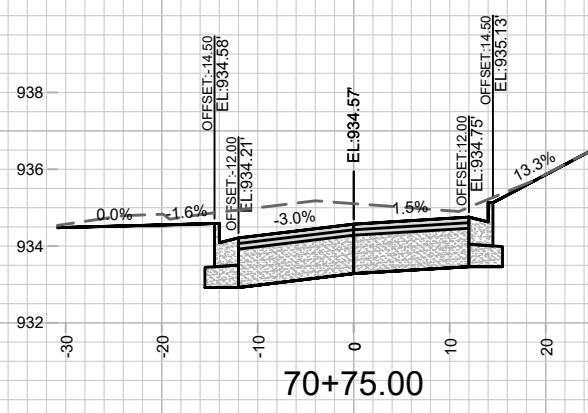
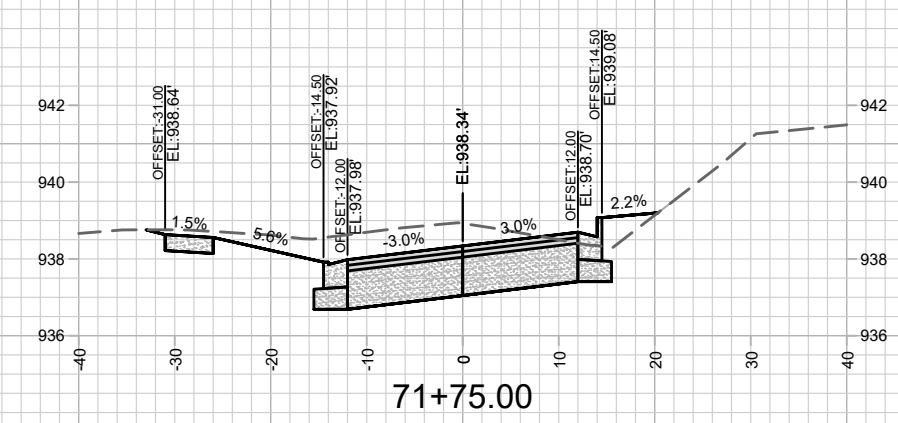
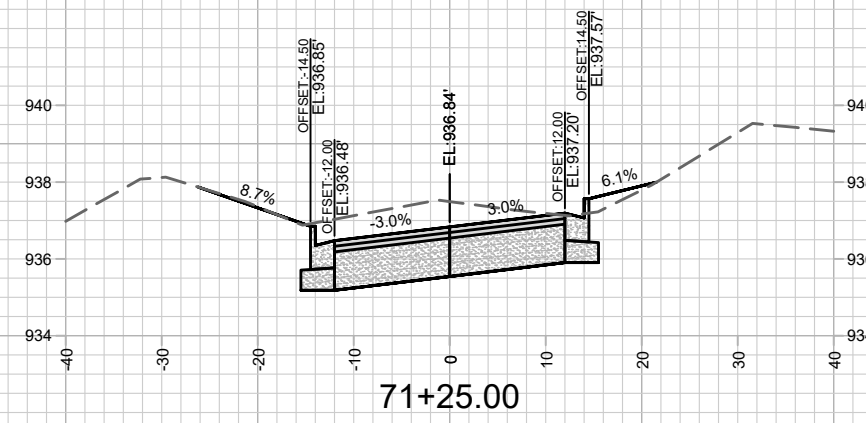
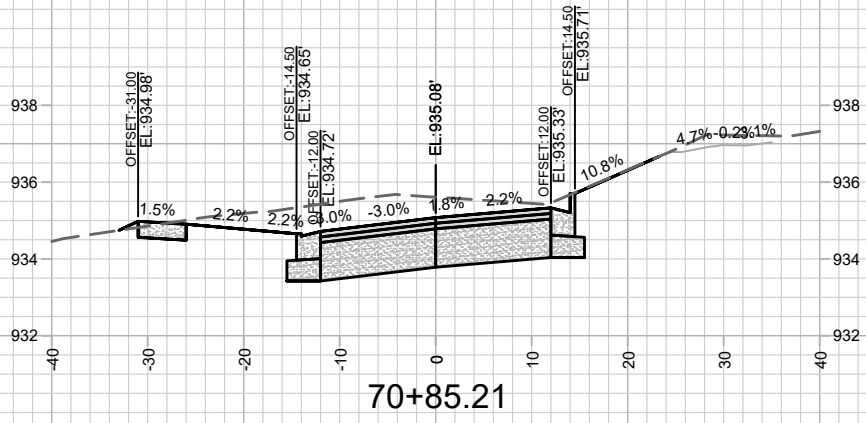
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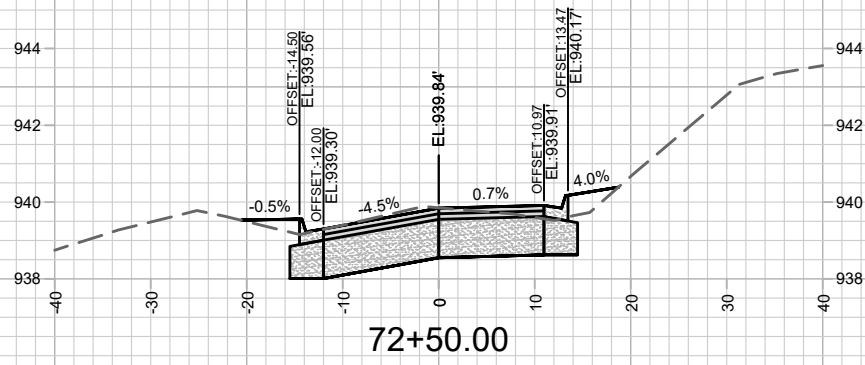
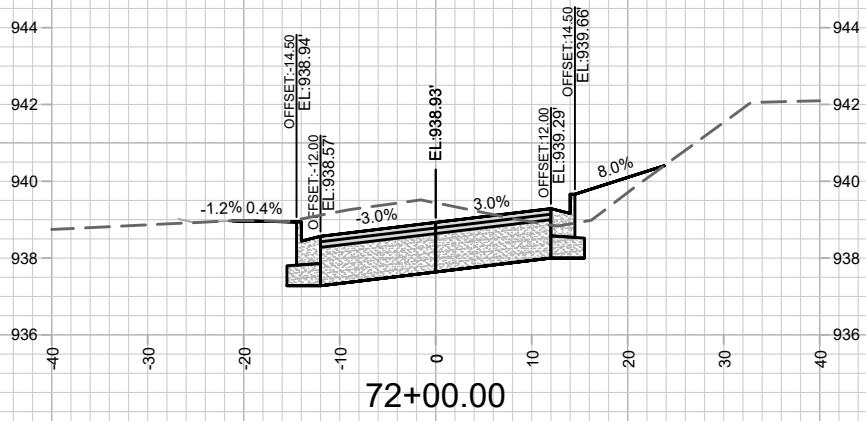
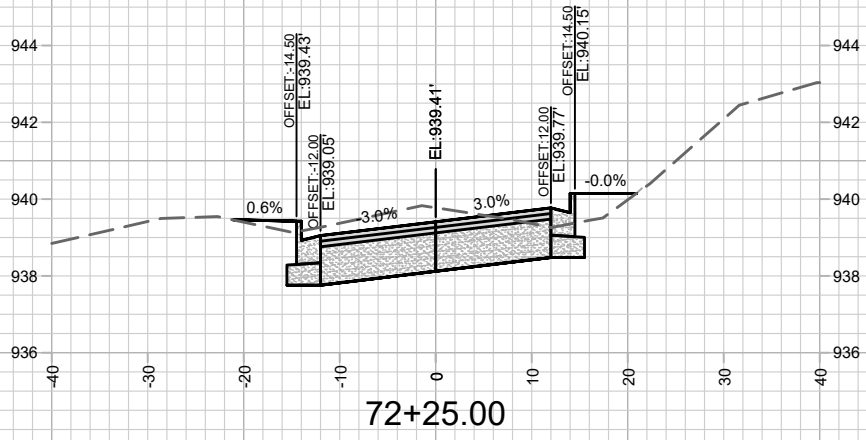


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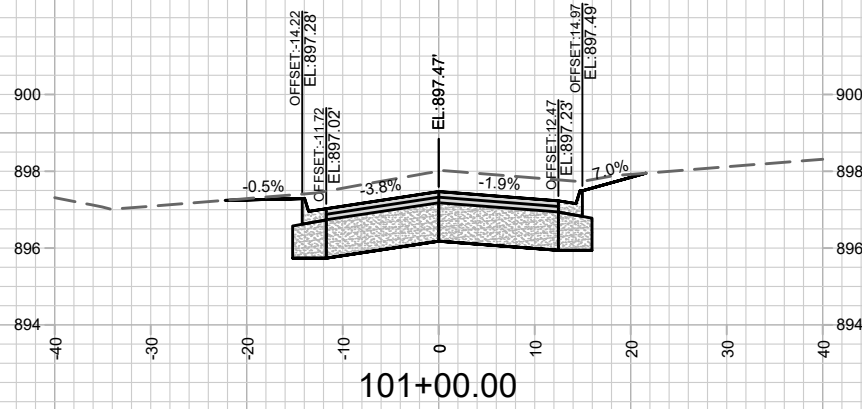
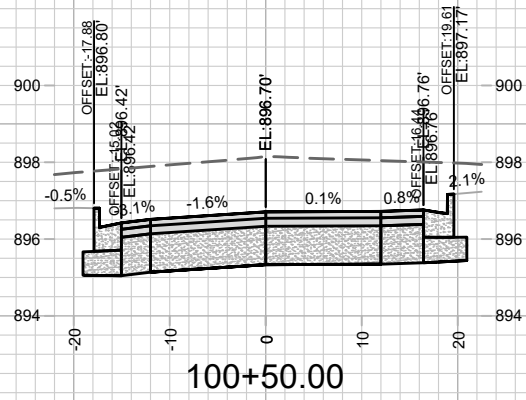
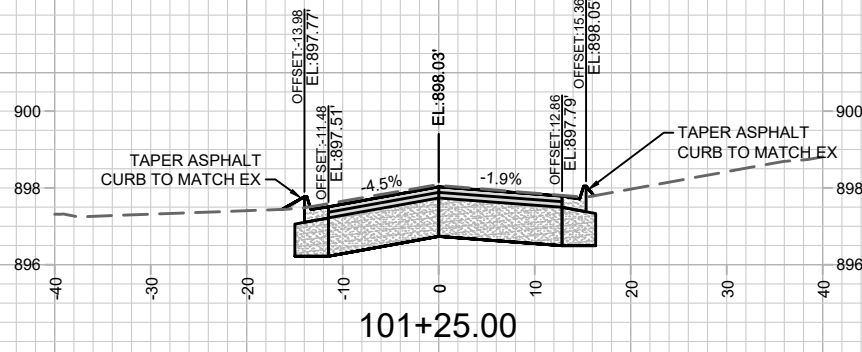
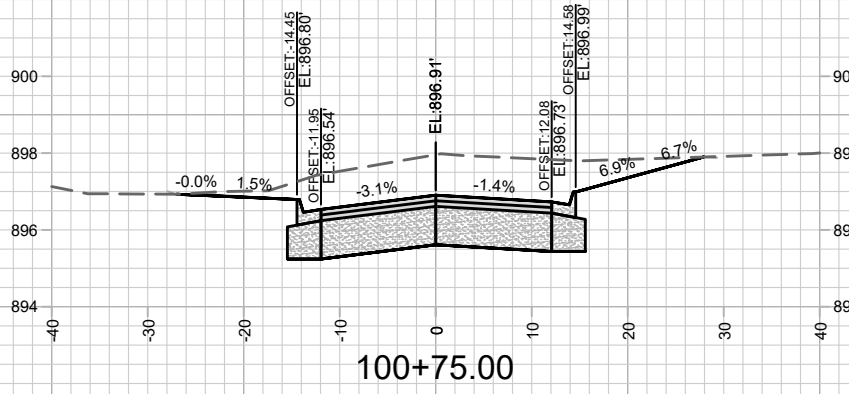
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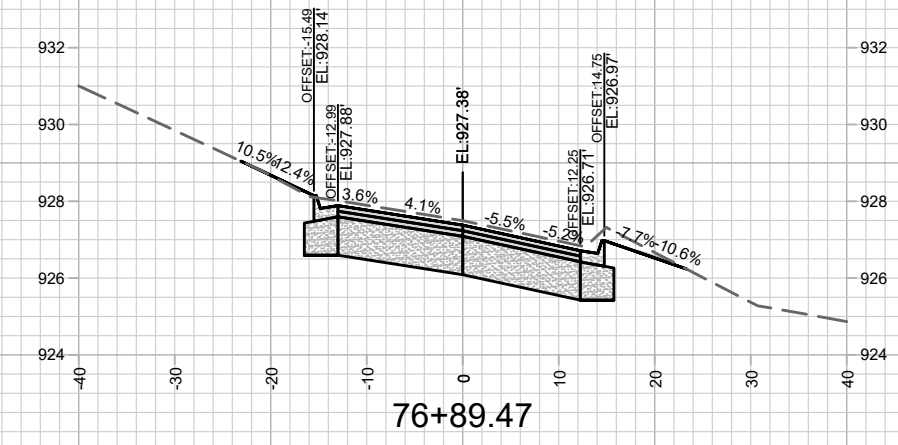
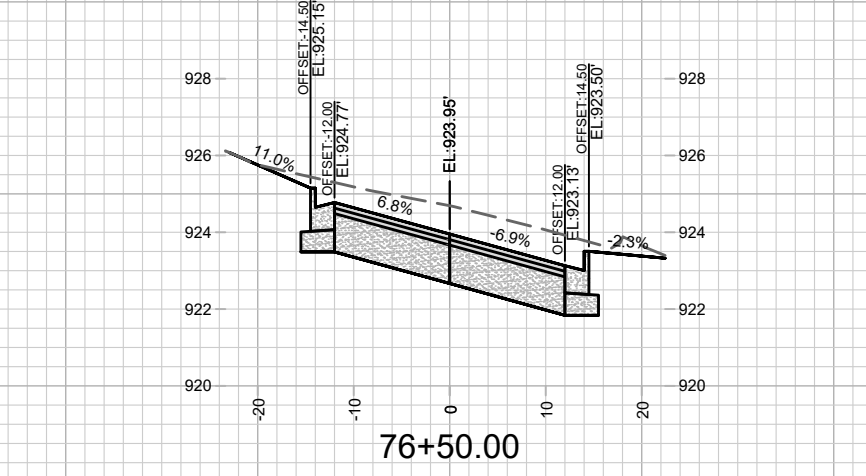
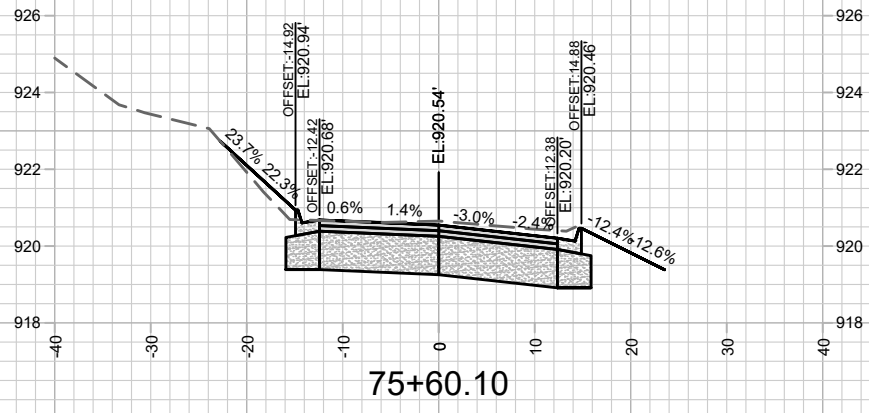
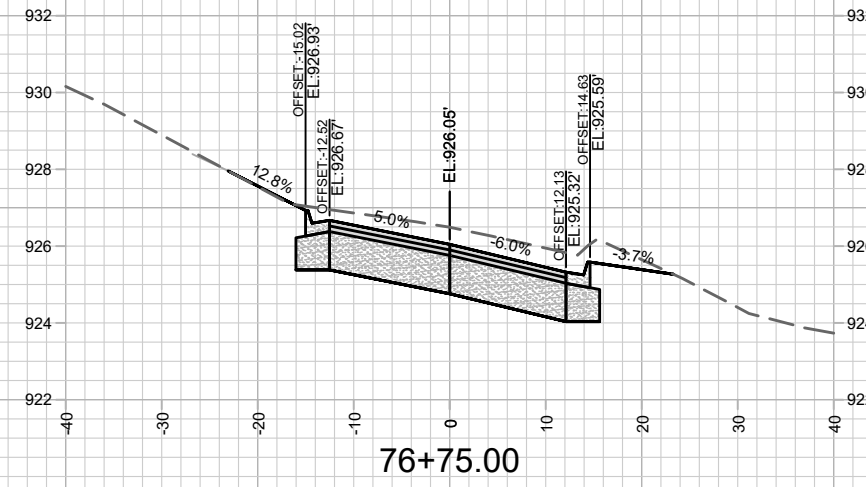
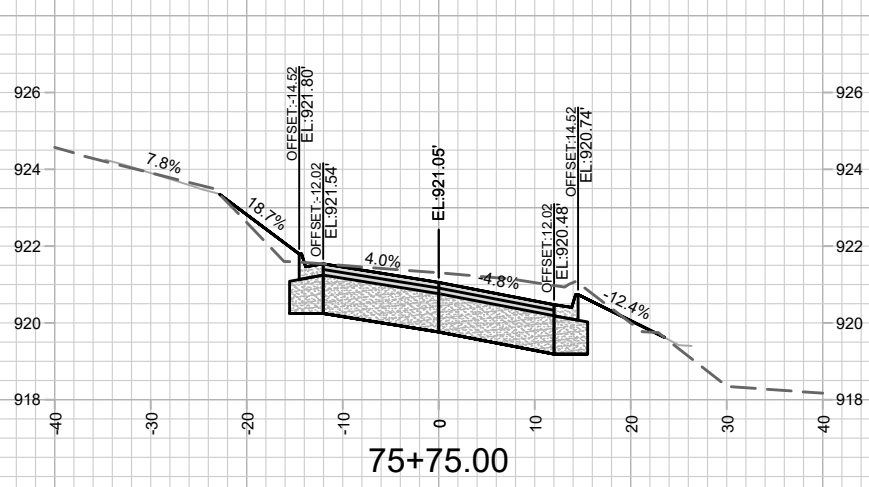
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