



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

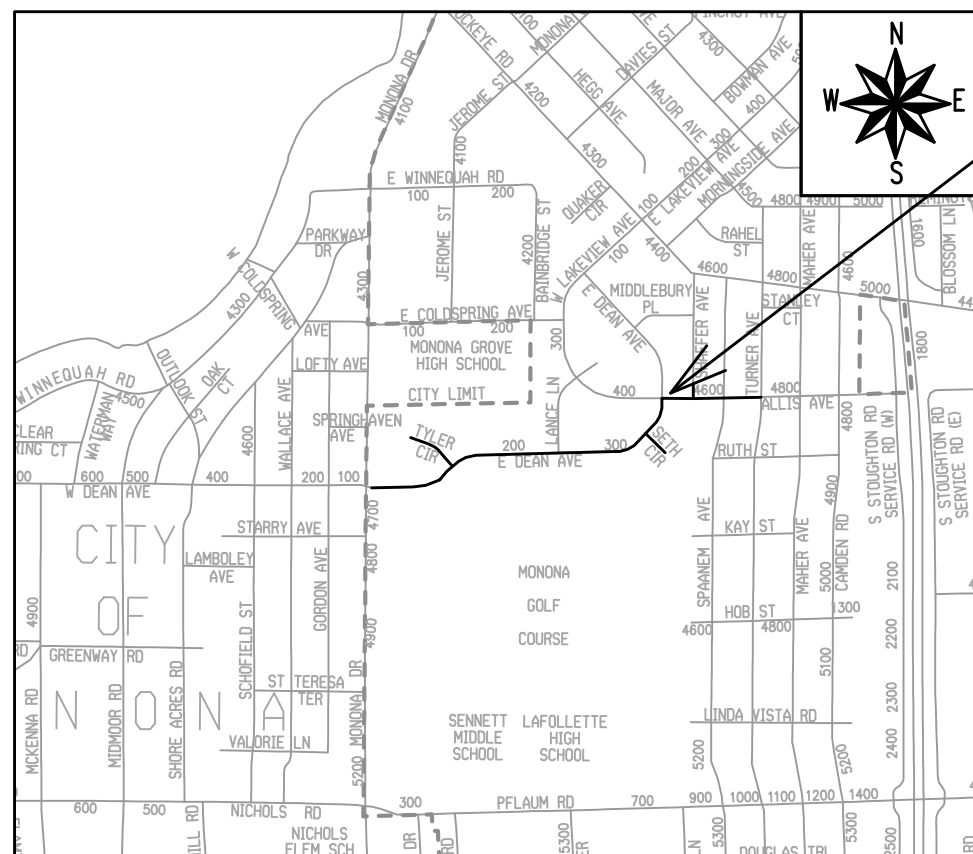
PLAN OF PROPOSED IMPROVEMENT

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

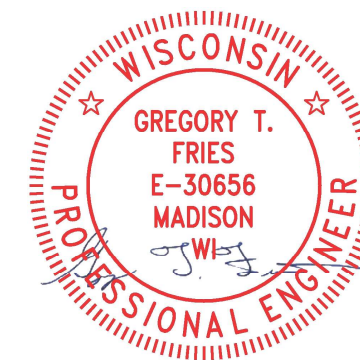
Date

STREET DESIGNED BY:



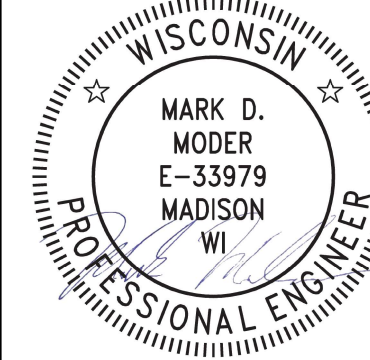
Apr 15, 2021

STORM SEWER DESIGNED BY:



Apr 15, 2021

SANITARY SEWER DESIGNED BY:



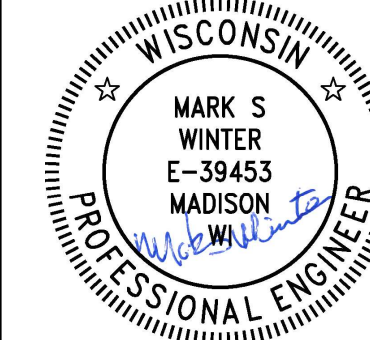
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WATER DESIGNED BY:

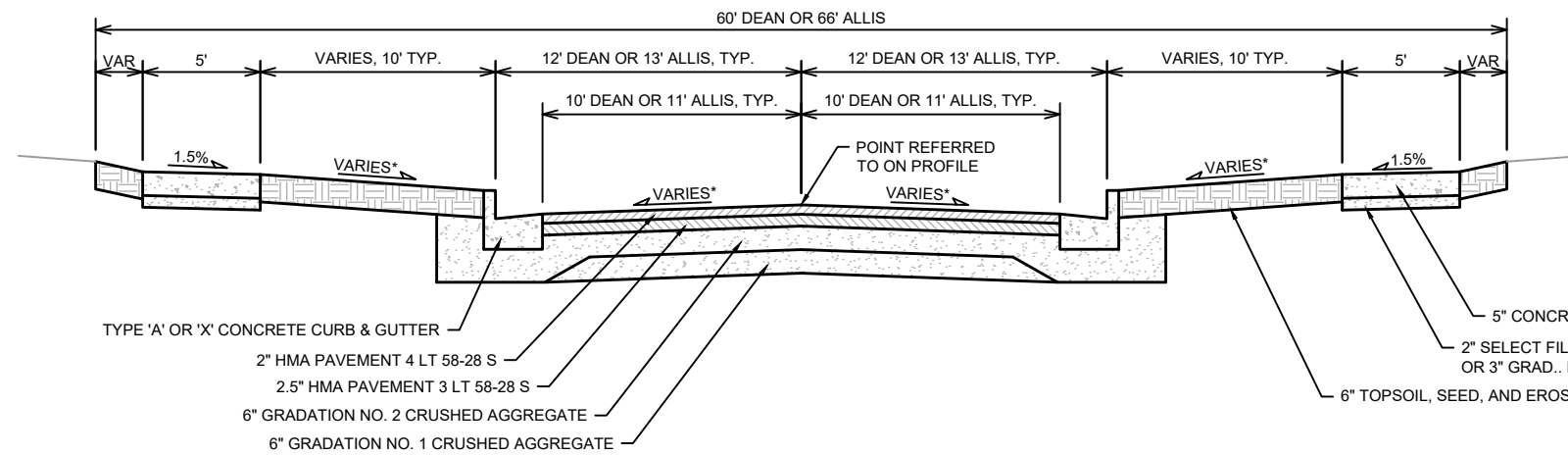


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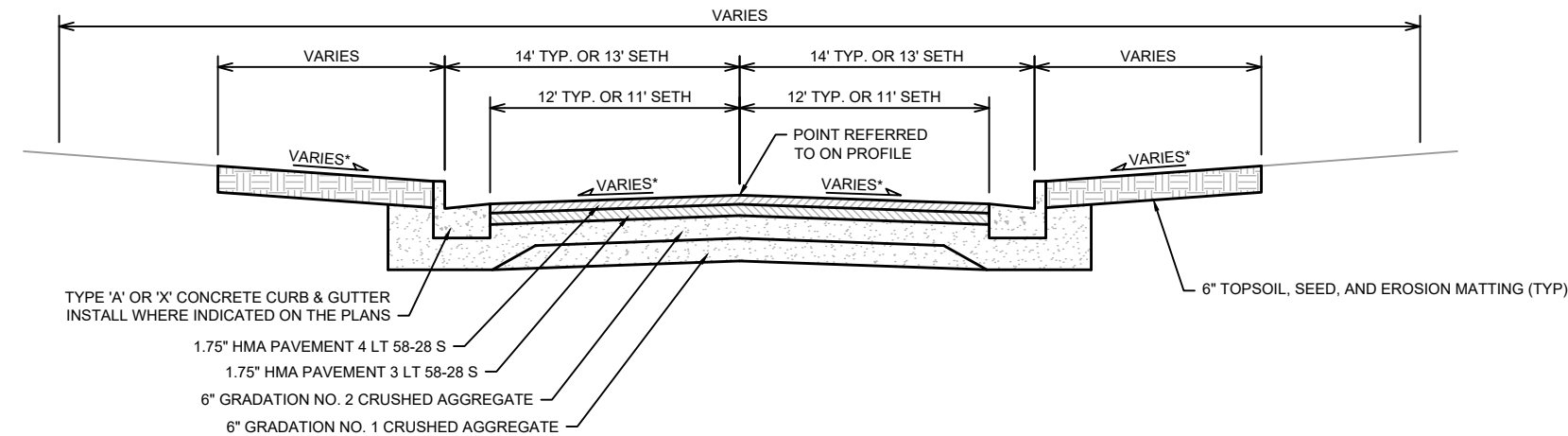
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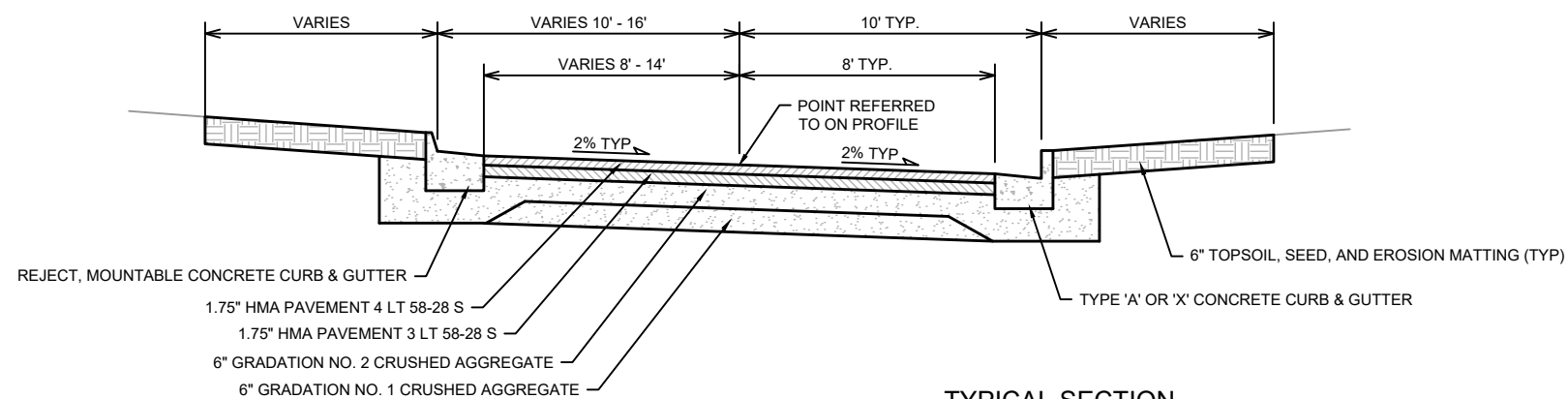
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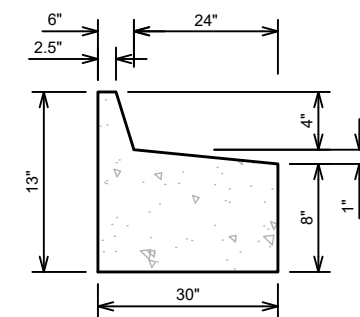
TYPICAL SECTION
E. DEAN AVE. & ALLIS AVE.
NOT TO SCALE



TYPICAL SECTION
SHAFFER 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

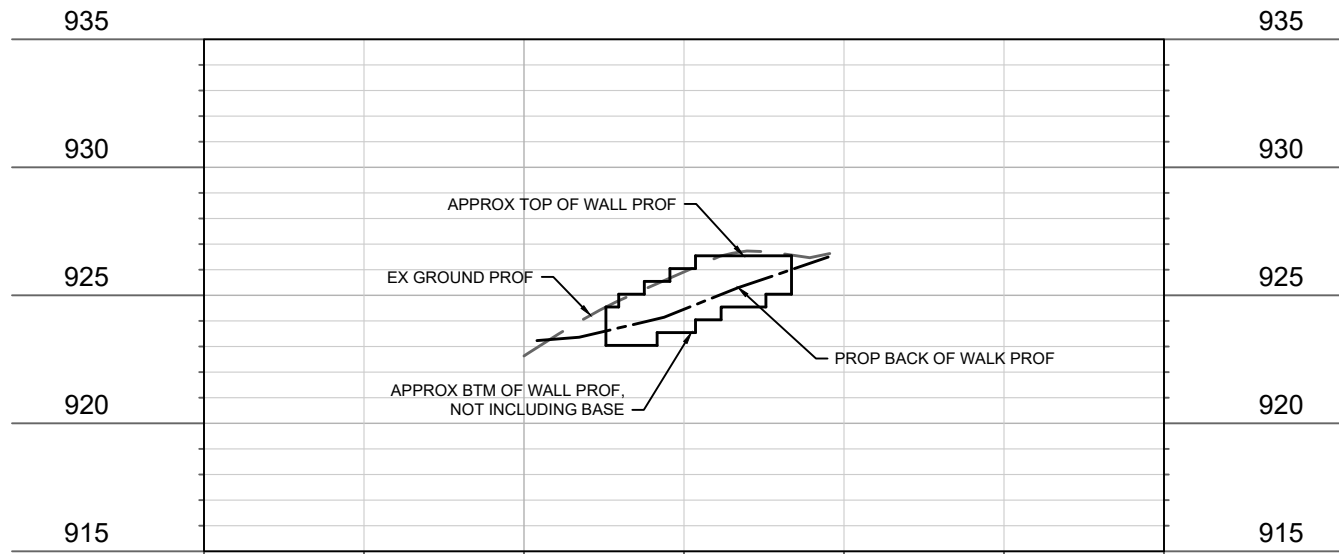
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11432
MADISON, WI
CONTRACT NO: 7838
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
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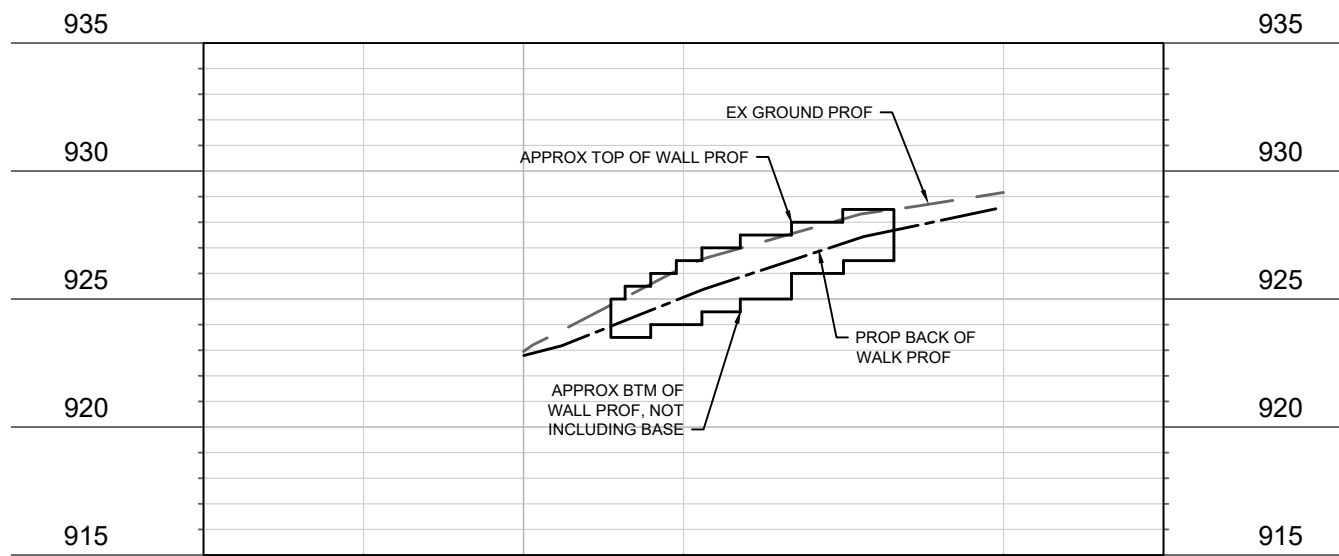


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Profile View of Back of Wall Allis Lt



Profile View of Back of Wall Allis Rt

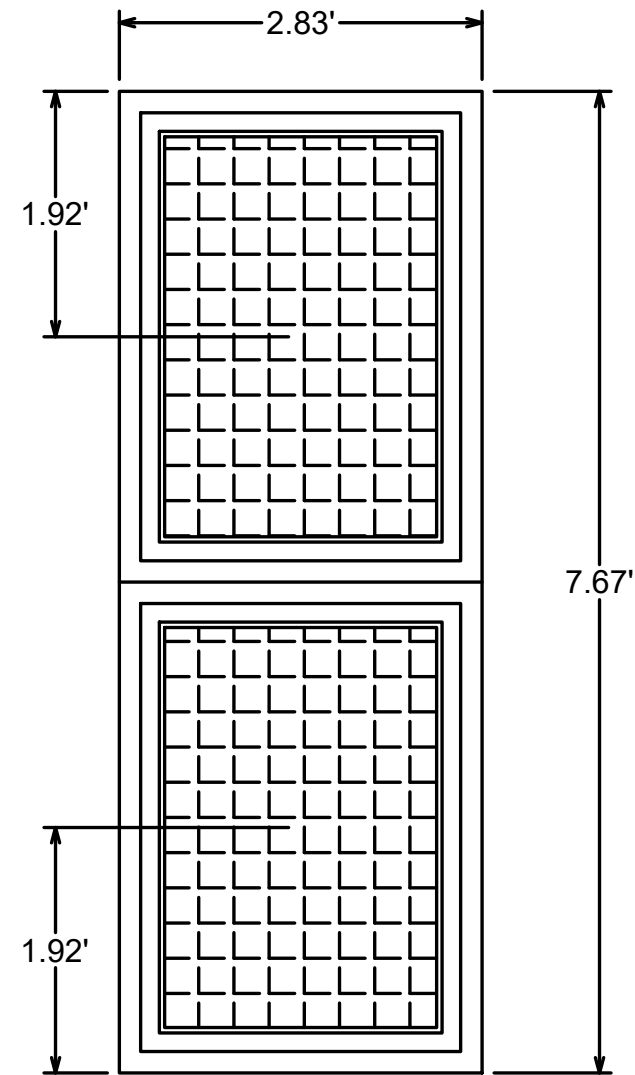


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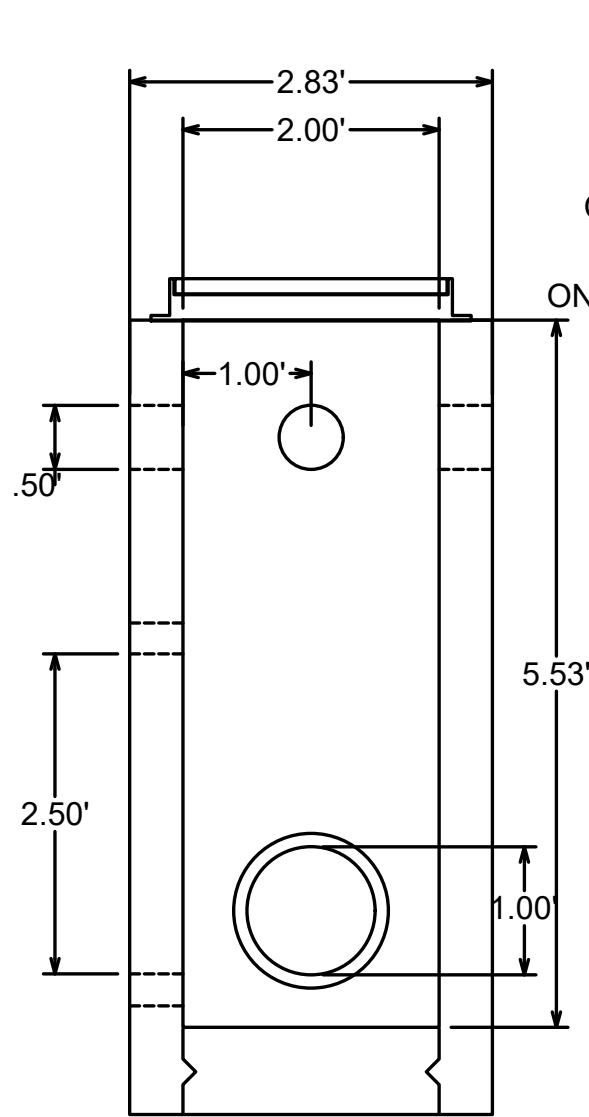
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 SPLIT BLOCK WALL PROFILES
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 MADISON, WI
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 CONTRACT NO:



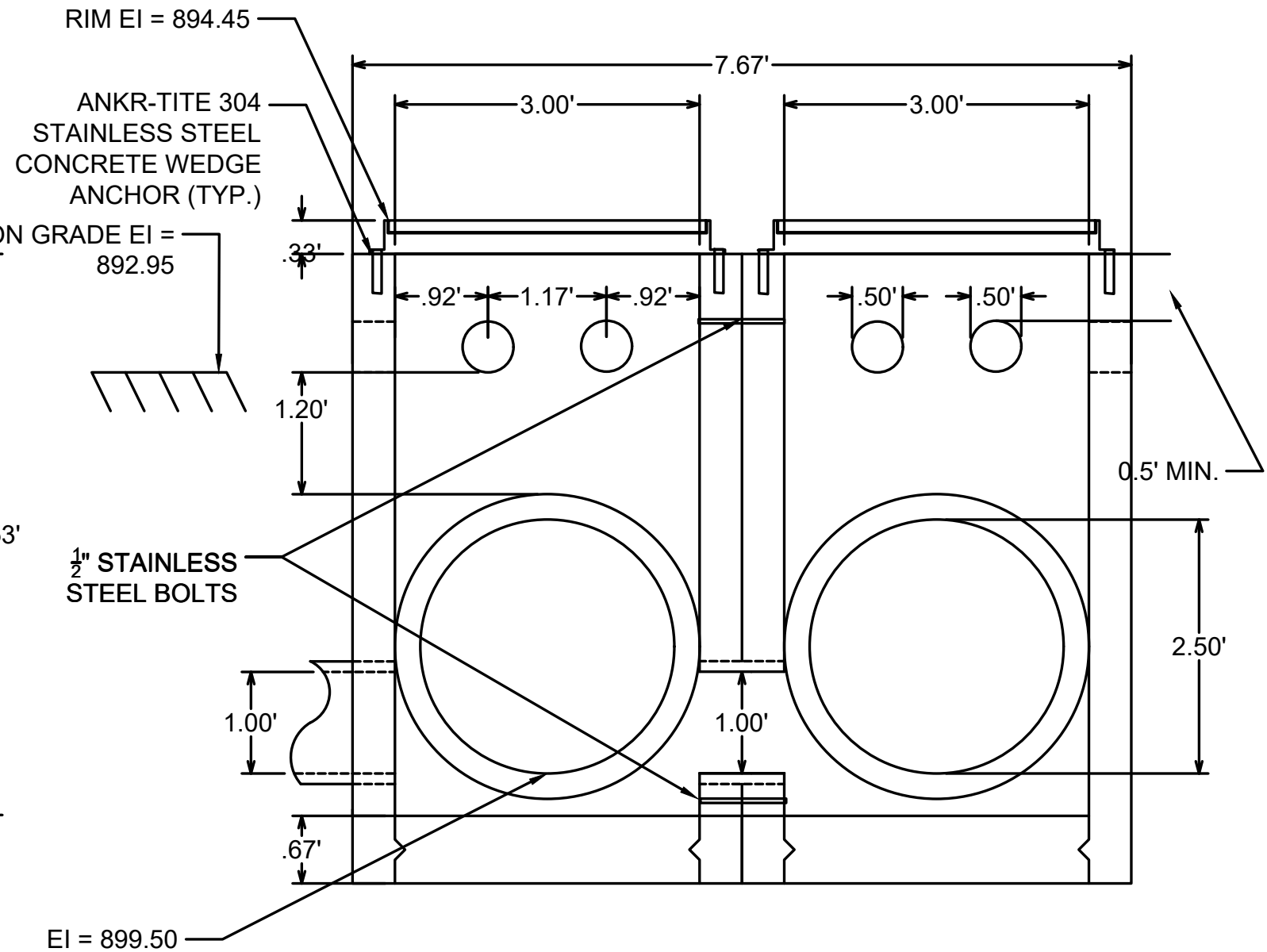
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 D-2



CASTINGS (NO ROOF OR SLAB)



SIDE VIEW (DOWNSTREAM VIEW)



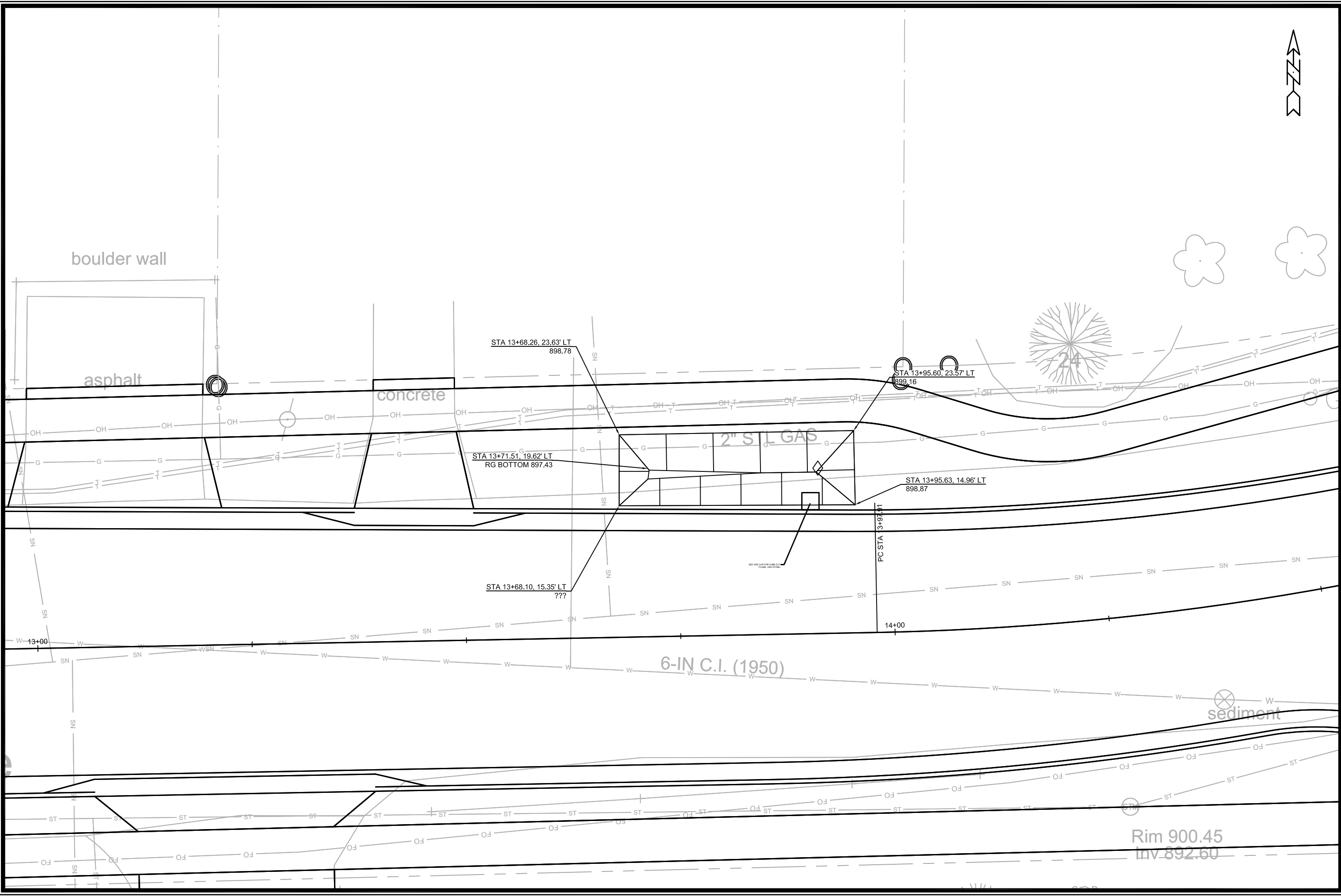
FRONT VIEW (UPSTREAM VIEW)

- INSTALL 2 NEENAH R-1878-B7G CASTINGS
- BOLT TO TOP OF PRECAST WALLS (NO ROOF) W/ ANKR-TITE 304 STAINLESS STEEL CONCRETE WEDGE ANCHORS, OR APPROVED EQUAL IN ALL 4 CORNERS OF EACH CASTING

NOTES:

- DETAIL SHOWN WITH 30" STORM PIPE
- INVERT ELEVATION FOR DOWNSTREAM PIPES IS SET FOR 899.50.
- APPROXIMATE TURF GRADE IS 892.95
- 6" CORED OPENINGS SHALL BE SET ABOVE TURF GRADE AND BE 6" MIN FROM THE TOP TOP EDGE OF THE STRUCTURE
- CONNECT INLETS FLUSH WITH 1/2" STAINLESS STEEL BOLTS IN AN UPPER CORNER AND THE OPPOSITE LOWER CORNER

OVERFLOW STRUCTURE DETAIL		11432	MARK	REVISION	DATE	BY
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021		MADISON, WI	11432	Designed By: ###	Date: 4/13/2021 4:10 PM	D-3
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		CONTRACT NO. 11432				
CITY OF MADISON WISCONSIN		11432				
		D-3				



boulder wall

asphalt

concrete

2" ST GAS

6-IN C.I. (1950)

sediment

Rim 900.45
Inv 892.60

STA 13+68.26, 23.63' LT
898.78

STA 13+71.51, 19.62' LT
RG BOTTOM 897.43

STA 13+68.10, 15.35' LT
???

STA 13+95.60, 23.37' LT
899.16

STA 13+95.63, 14.96' LT
898.87

PC STA 3+97.81

14+00

24

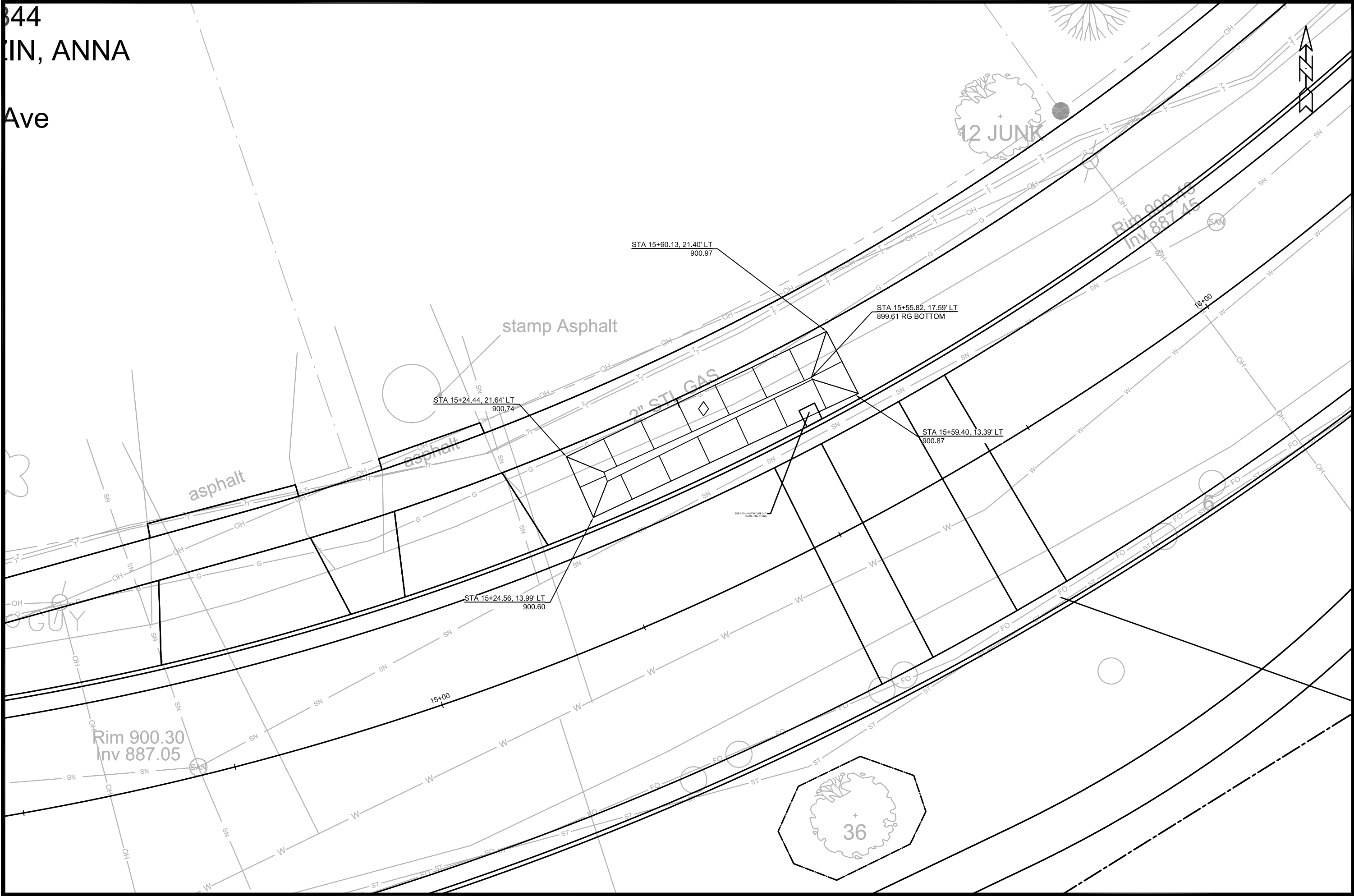


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Madison, WI
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
CONTRACT NO: 7838
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116 E Dean Terrace Rain Garden
CITY OF MADISON WISCONSIN
11432
RG-1

344
IN, ANNA
Ave



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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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CONTRACT NO:

11432
R-2



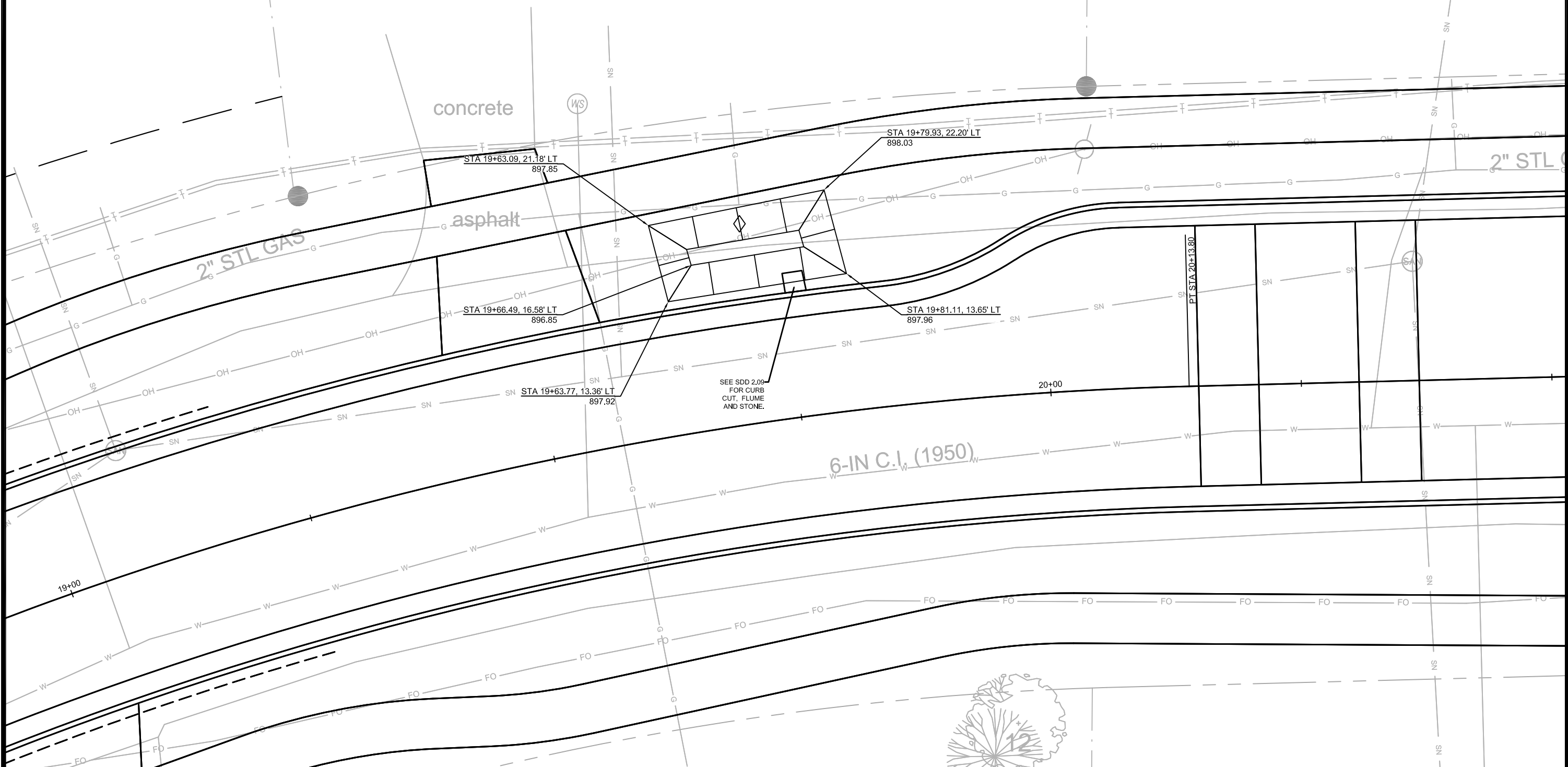
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R-2

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RG-2

RAIN GARDEN



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11432

RAIN GARDEN DETAIL, 214 E DEAN

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

MADISON, WI

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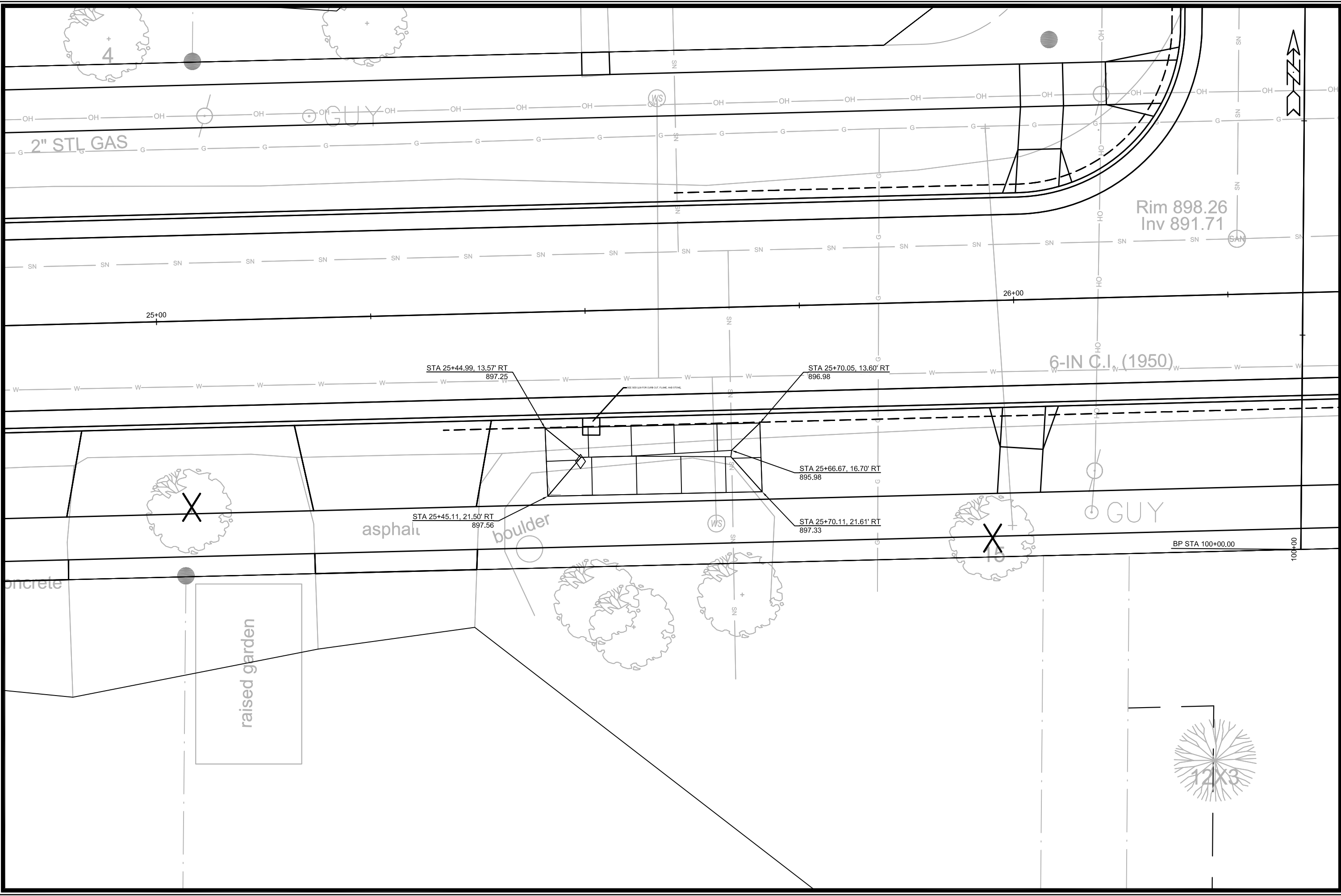
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CONTRACT NO:



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RG-3



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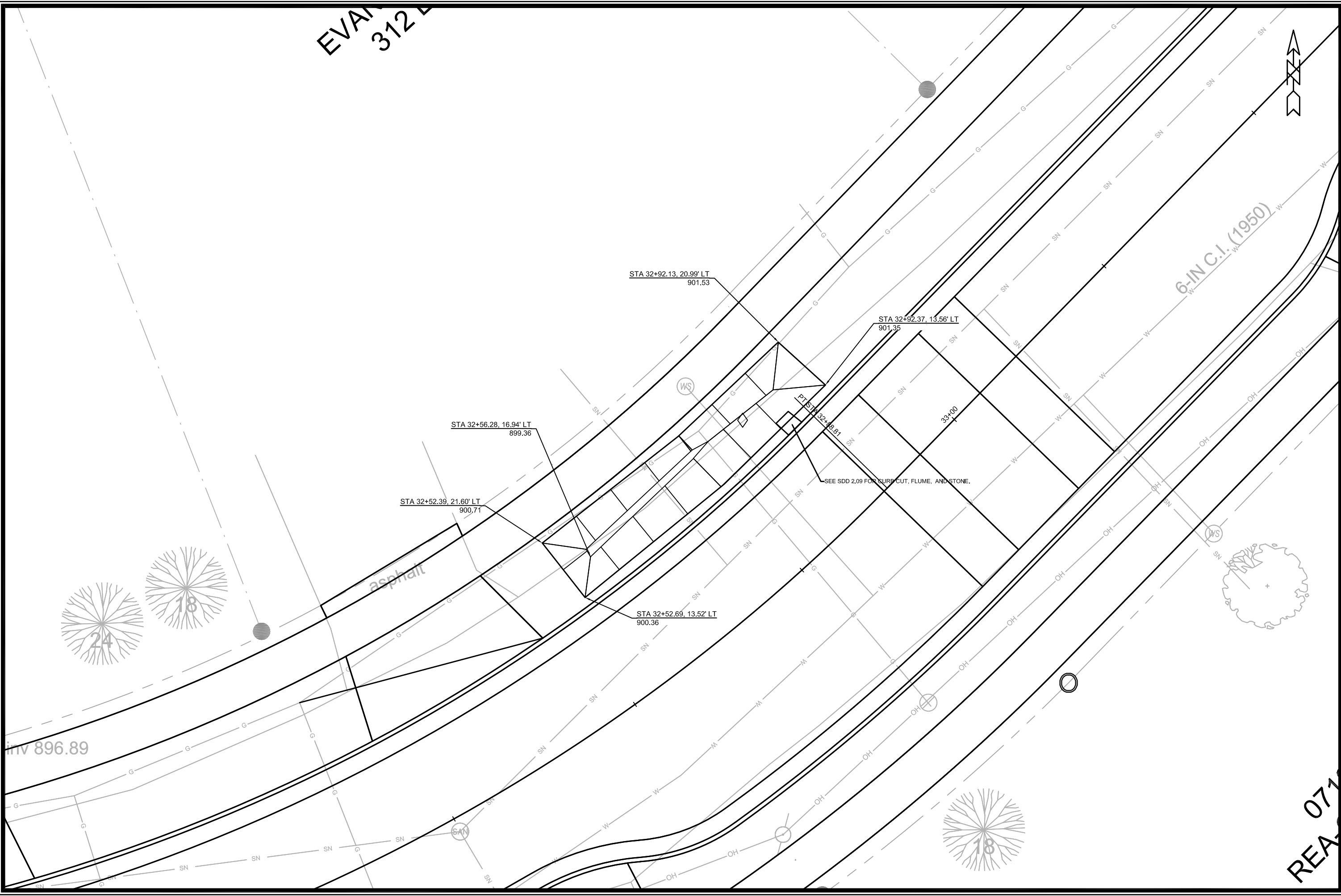
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 MADISON, WI
 CONTRACT NO: 7838

RAIN GARDEN DETAIL, 225 E DEAN
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
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 RG-4

EVAN
312 E



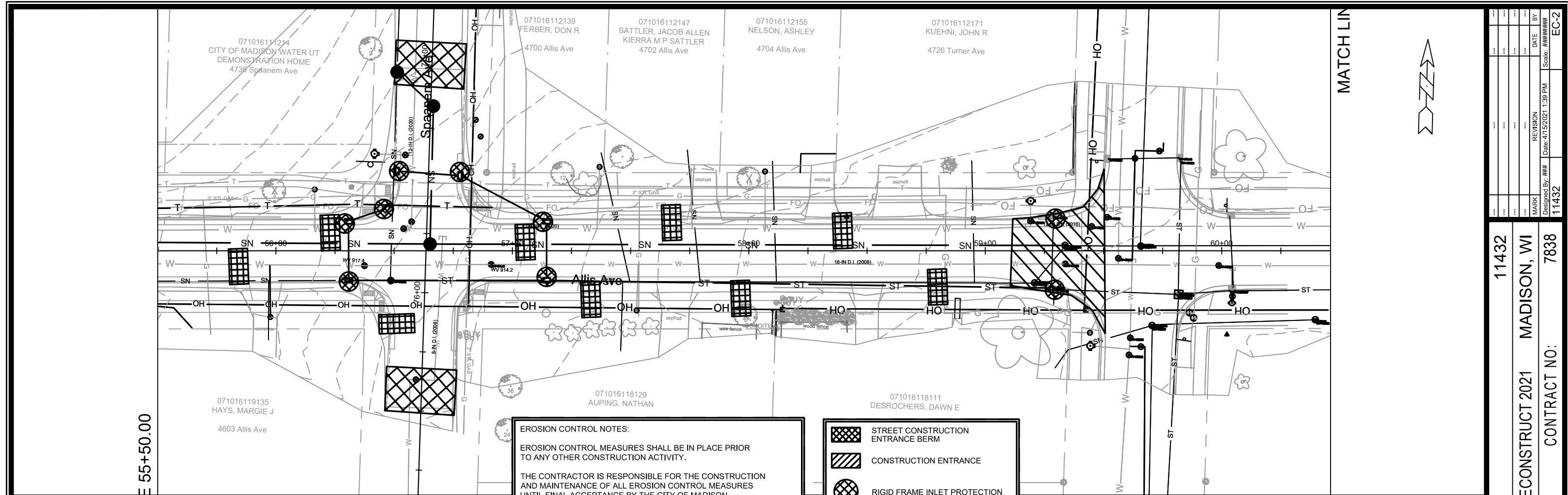
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 11432
 RG-5

11432
 RAIN GARDEN DETAIL, 312 E DEAN
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
 MADISON, WI
 CONTRACT NO: 7838
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 RG-5


REA 077



MATCH LIN



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.

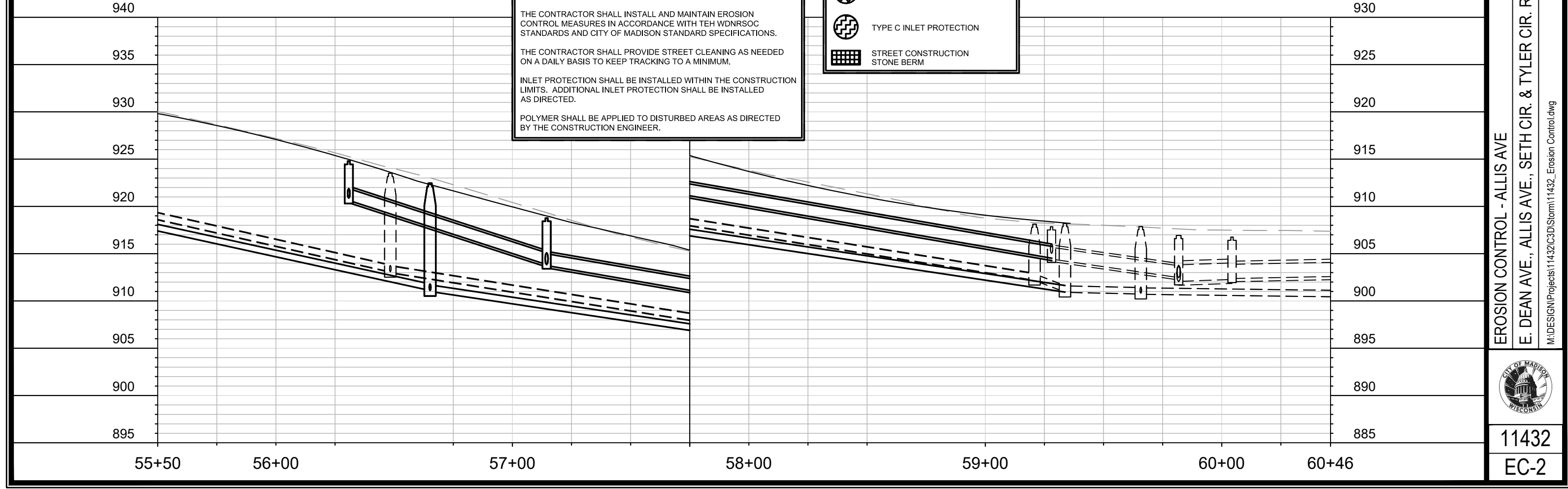
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POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

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



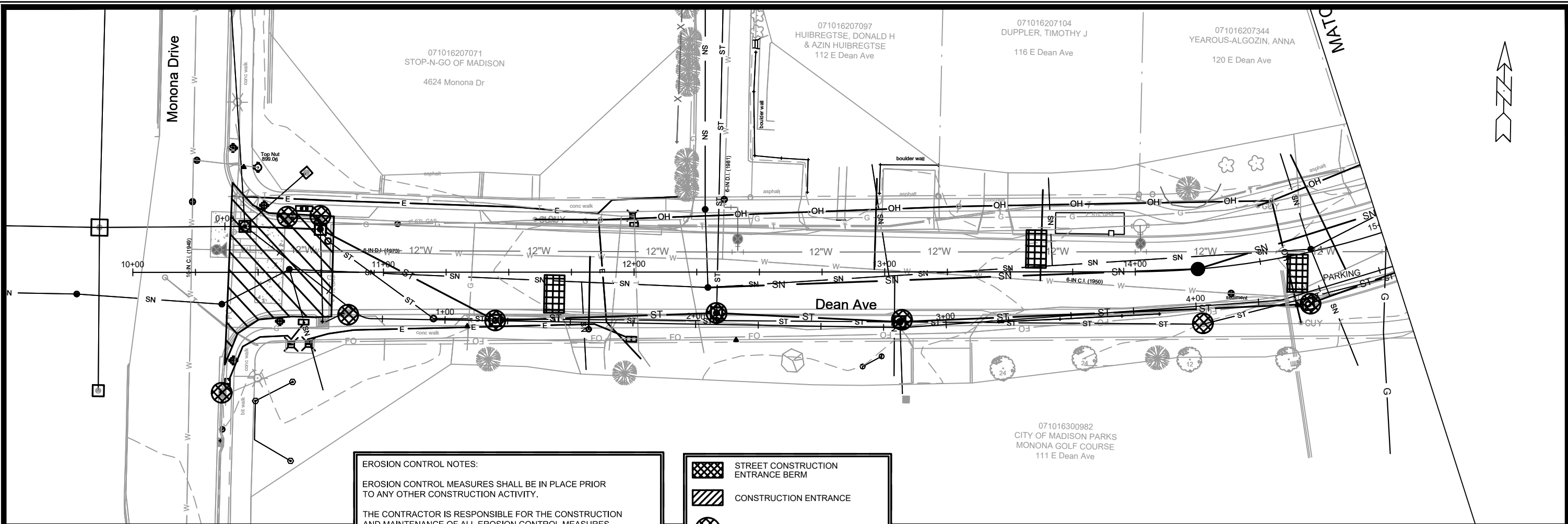
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EC-2

11432
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E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
MADISON, WI
CONTRACT NO.: 7838
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11432
EC-2



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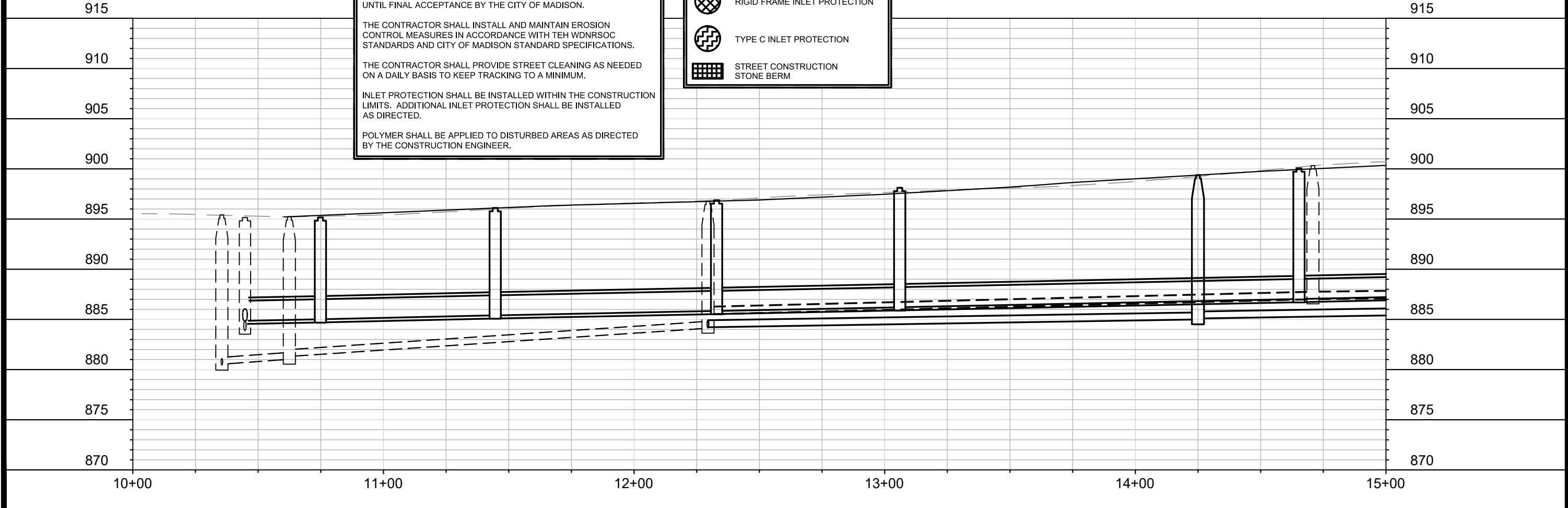
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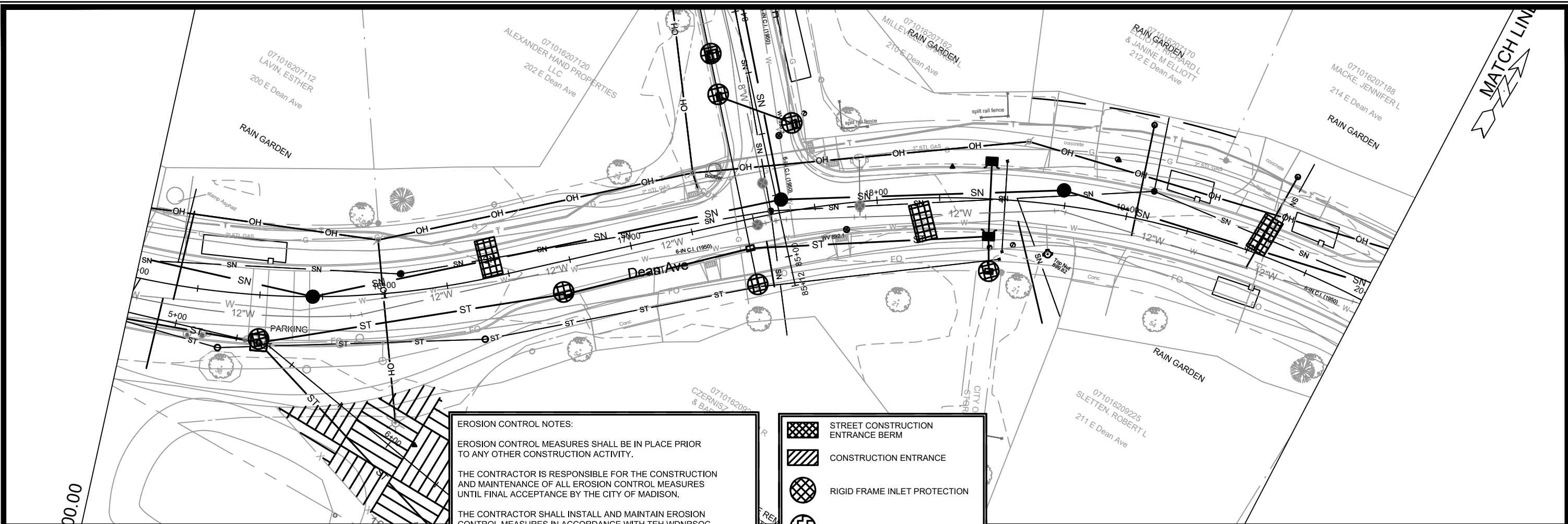
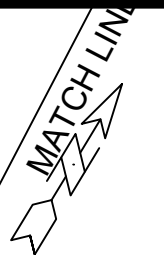
- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- RIGID FRAME INLET PROTECTION
- TYPE C INLET PROTECTION
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11432
 MADISON, WI
 RECONSTRUCT 2021
 SETH CIR. & TYLER CIR.
 CONTRACT NO: 7838

11432
 EC-3



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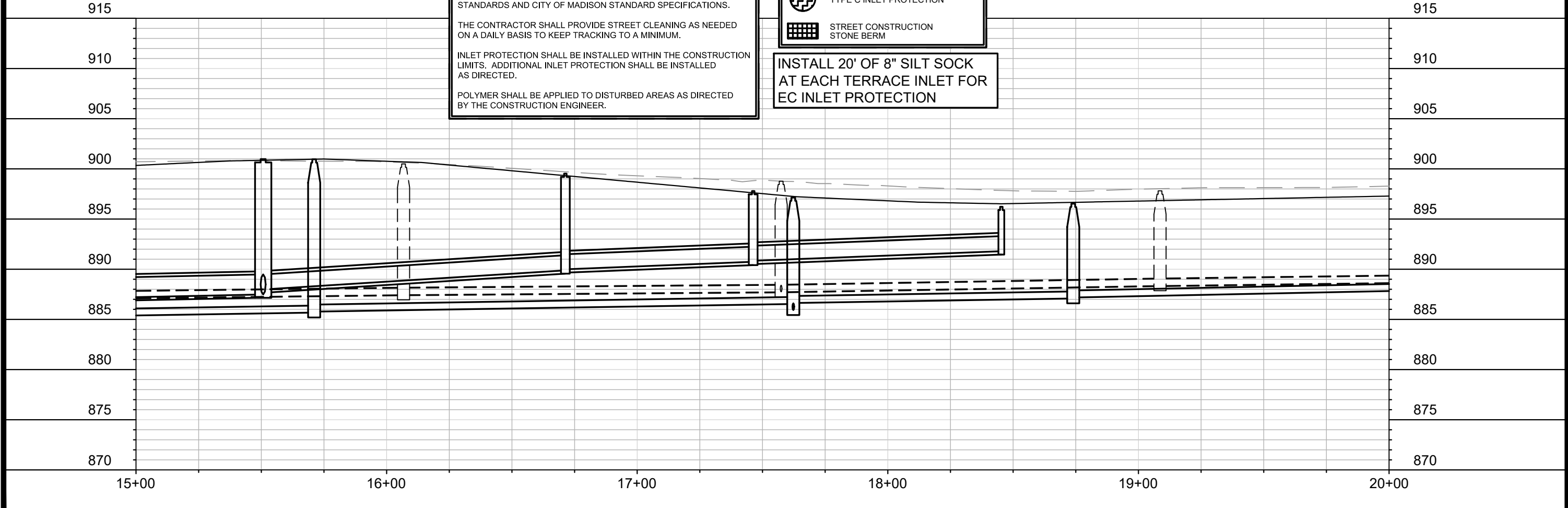
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- CONSTRUCTION ENTRANCE
- RIGID FRAME INLET PROTECTION
- TYPE C INLET PROTECTION
- STREET CONSTRUCTION STONE BERM

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

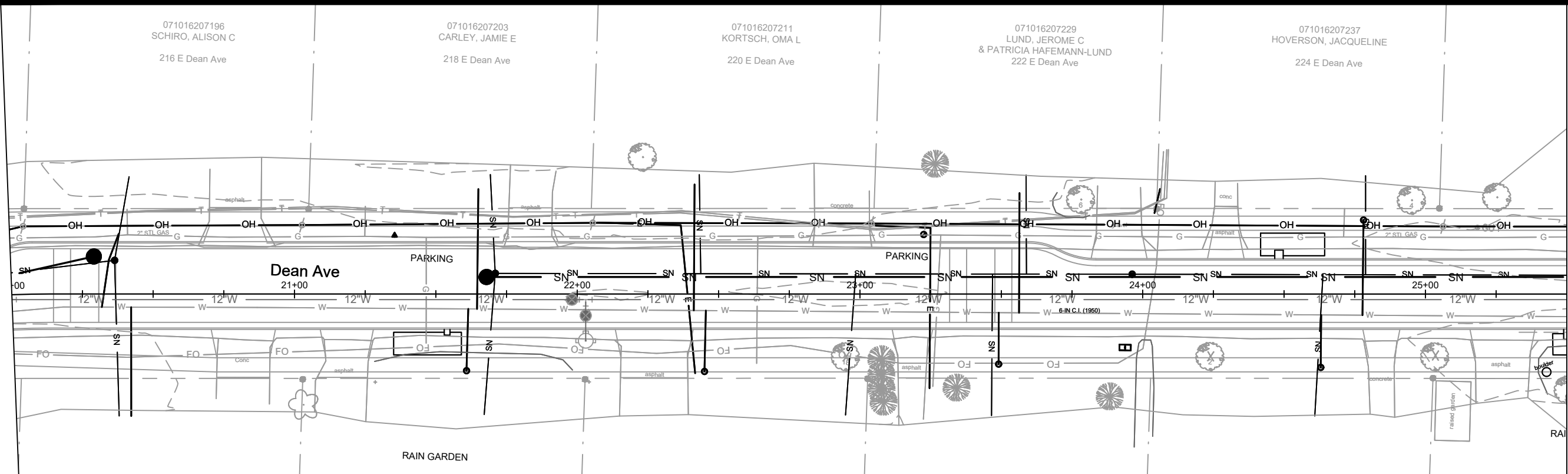


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11432
 MADISON, WI
 7838
 CONTRACT NO:

EROSION CONTROL - E DEAN AVE
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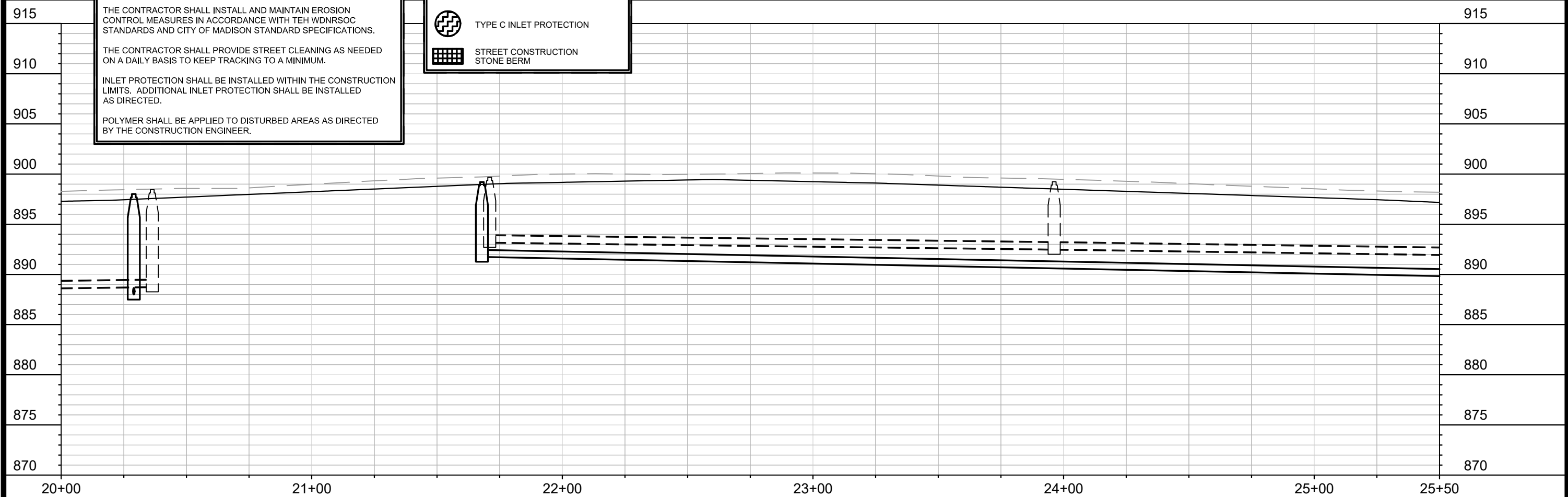
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 EC-4



E 20+00.00

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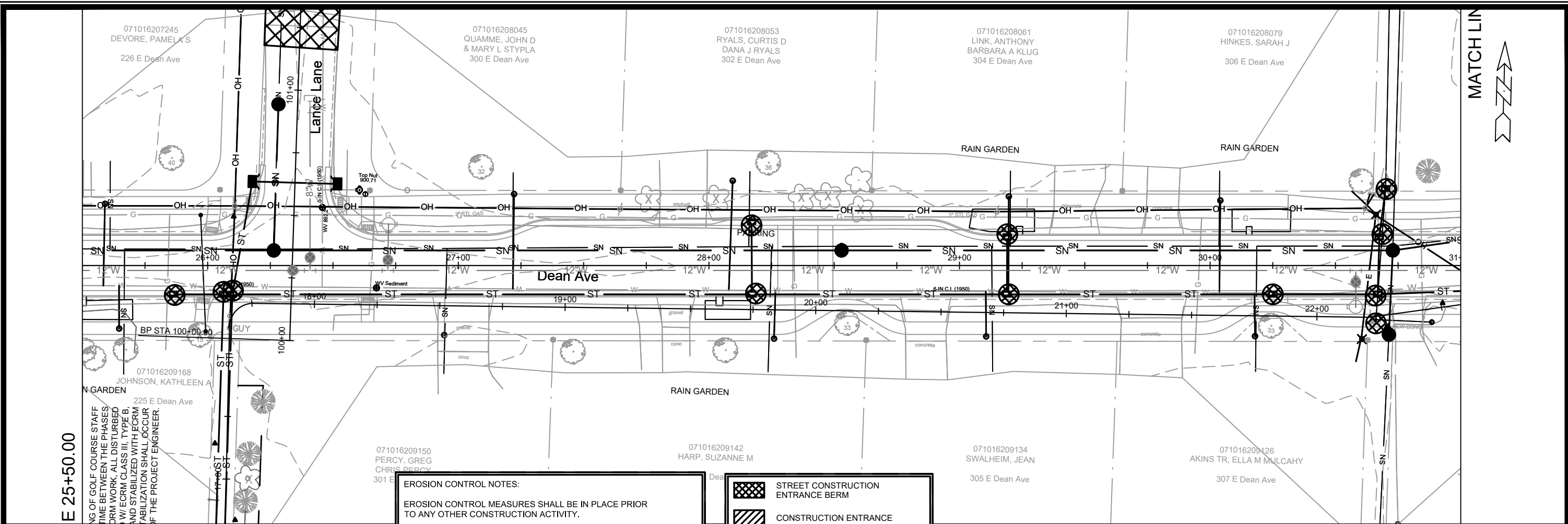
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	CONSTRUCTION ENTRANCE
	RIGID FRAME INLET PROTECTION
	TYPE C INLET PROTECTION
	STREET CONSTRUCTION STONE BERM



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 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
 MADISON, WI
 CONTRACT NO: 7838
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11432
 EC-5



E 25+50.00

NO. OF GOLF COURSE STAFF
 TIME BETWEEN THE PHASES
 DRUM WORK, ALL DISTURBED
 W/ ECRM CLASS III, TYPE B,
 AND STABILIZED WITH ECRM
 FABRICATION SHALL OCCUR
 IF THE PROJECT ENGINEER.

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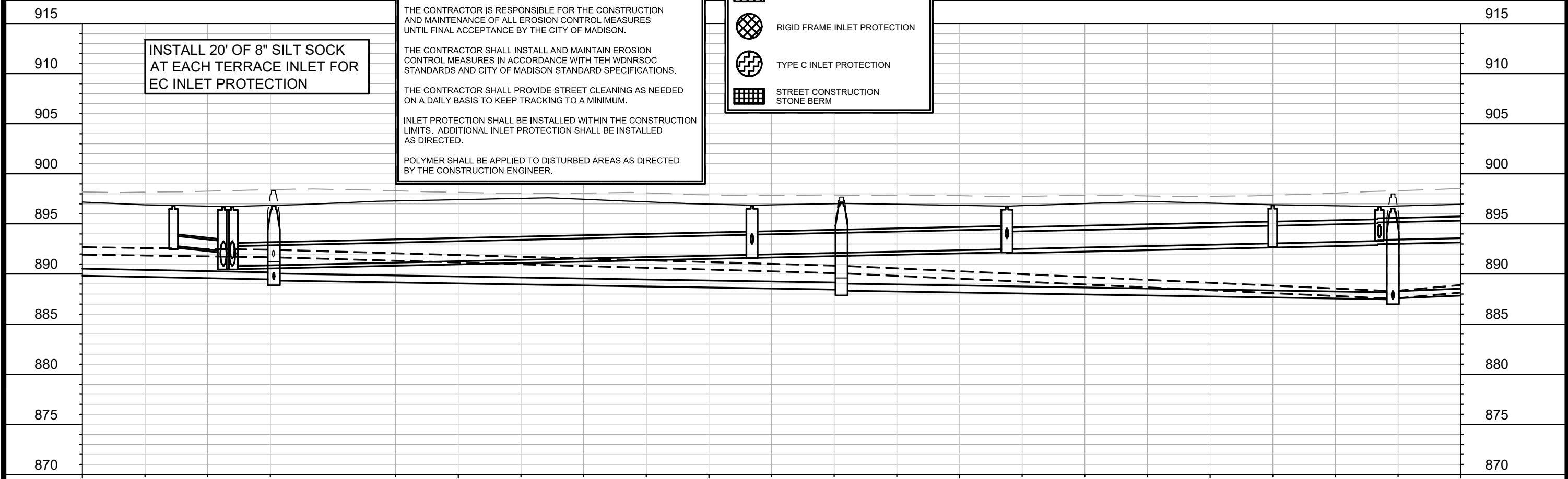
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	RIGID FRAME INLET PROTECTION
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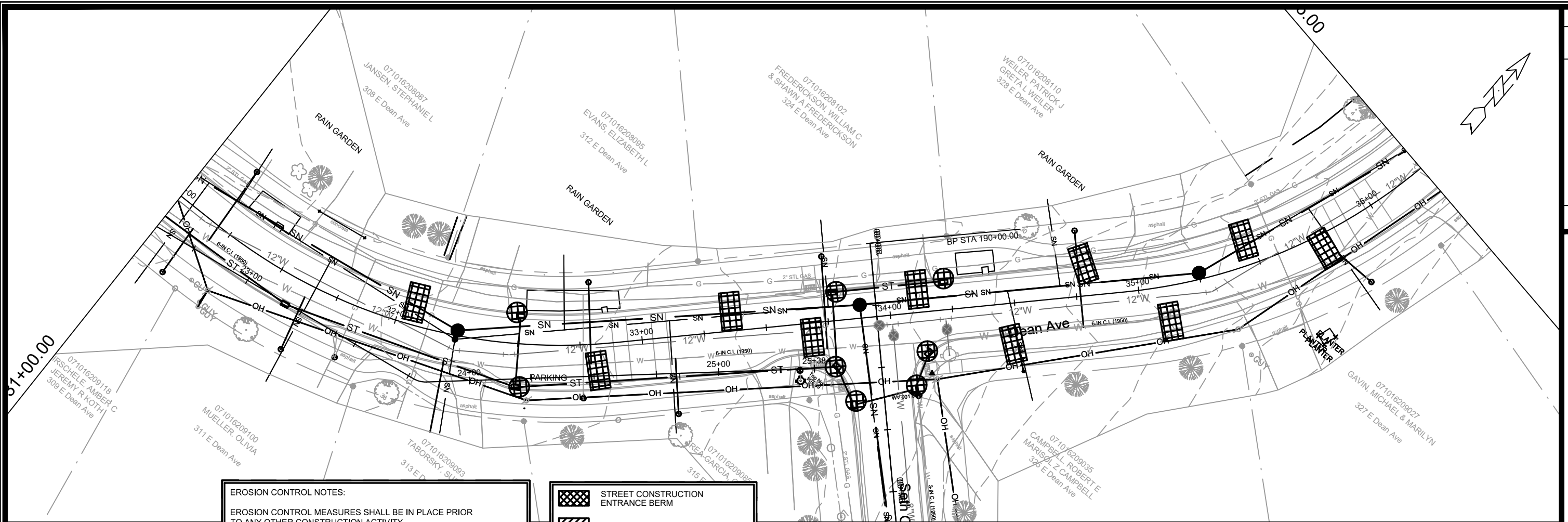
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11432	7838		EC-6

11432
 MADISON, WI
 RECONSTRUCT 2021
 SETH CIR. & TYLER CIR.
 E. DEAN AVE., ALLIS AVE.,
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11432
 EC-6



EROSION CONTROL NOTES:

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
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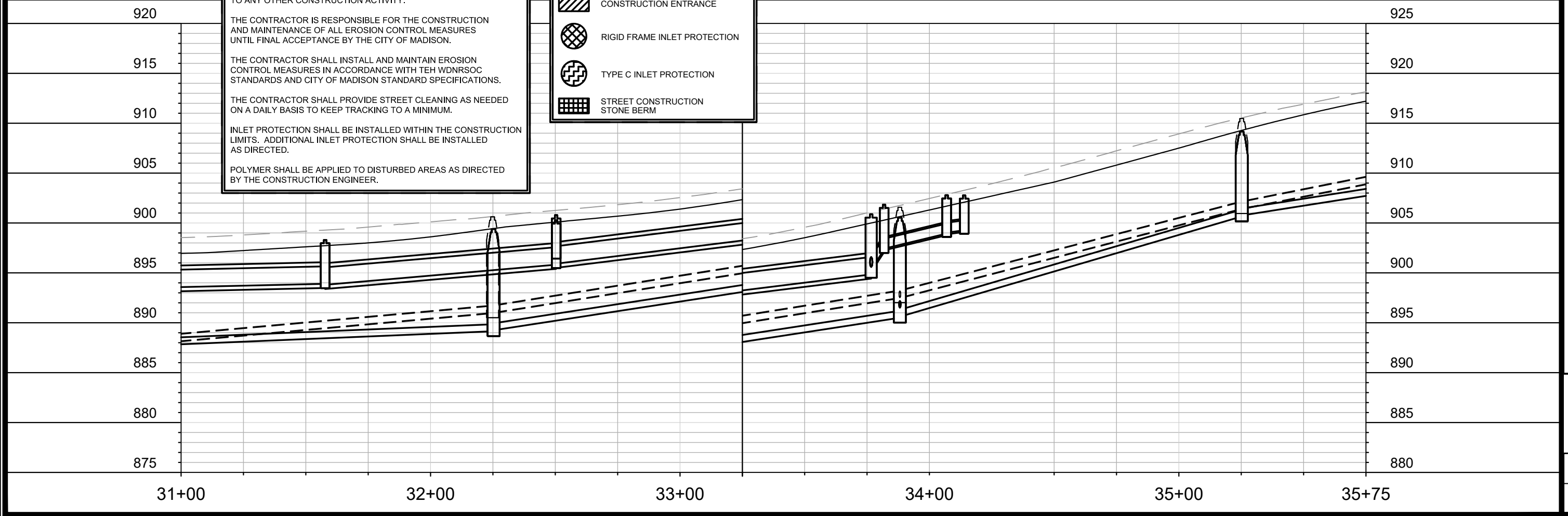
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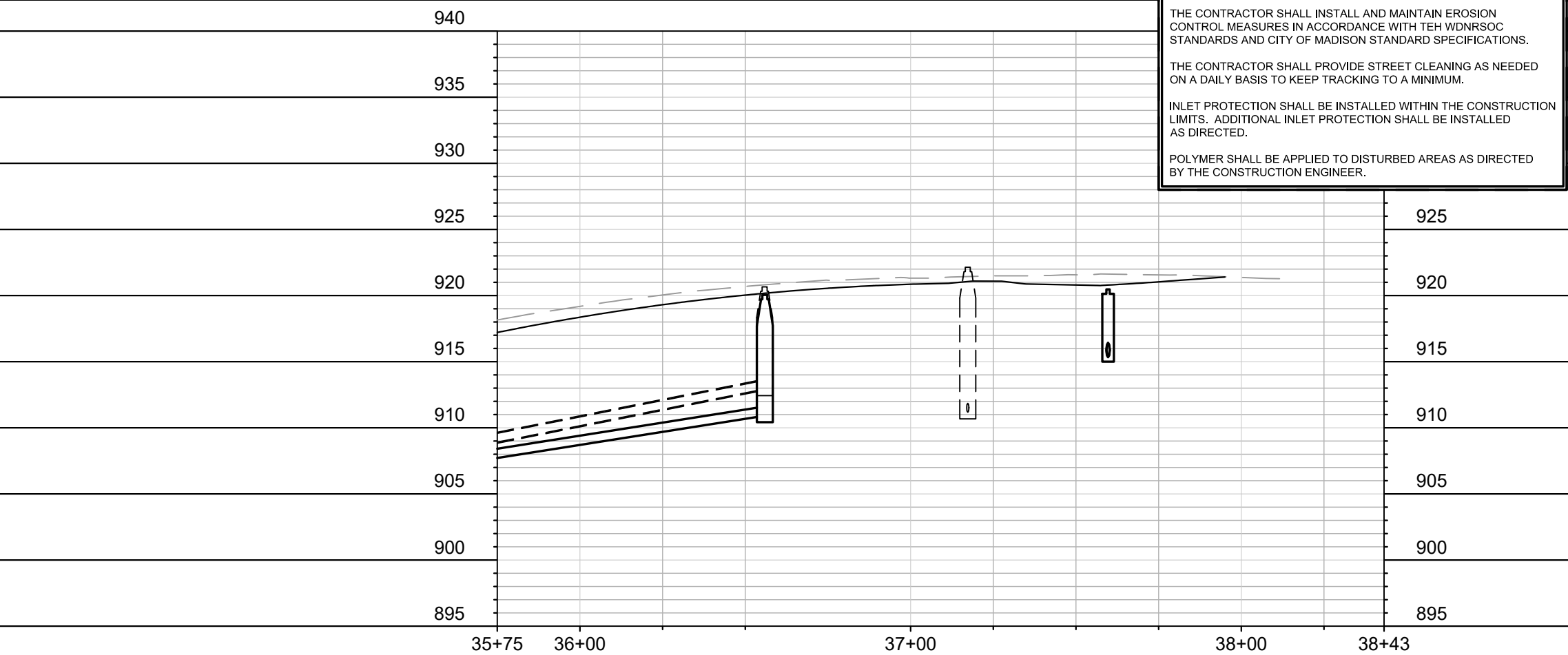
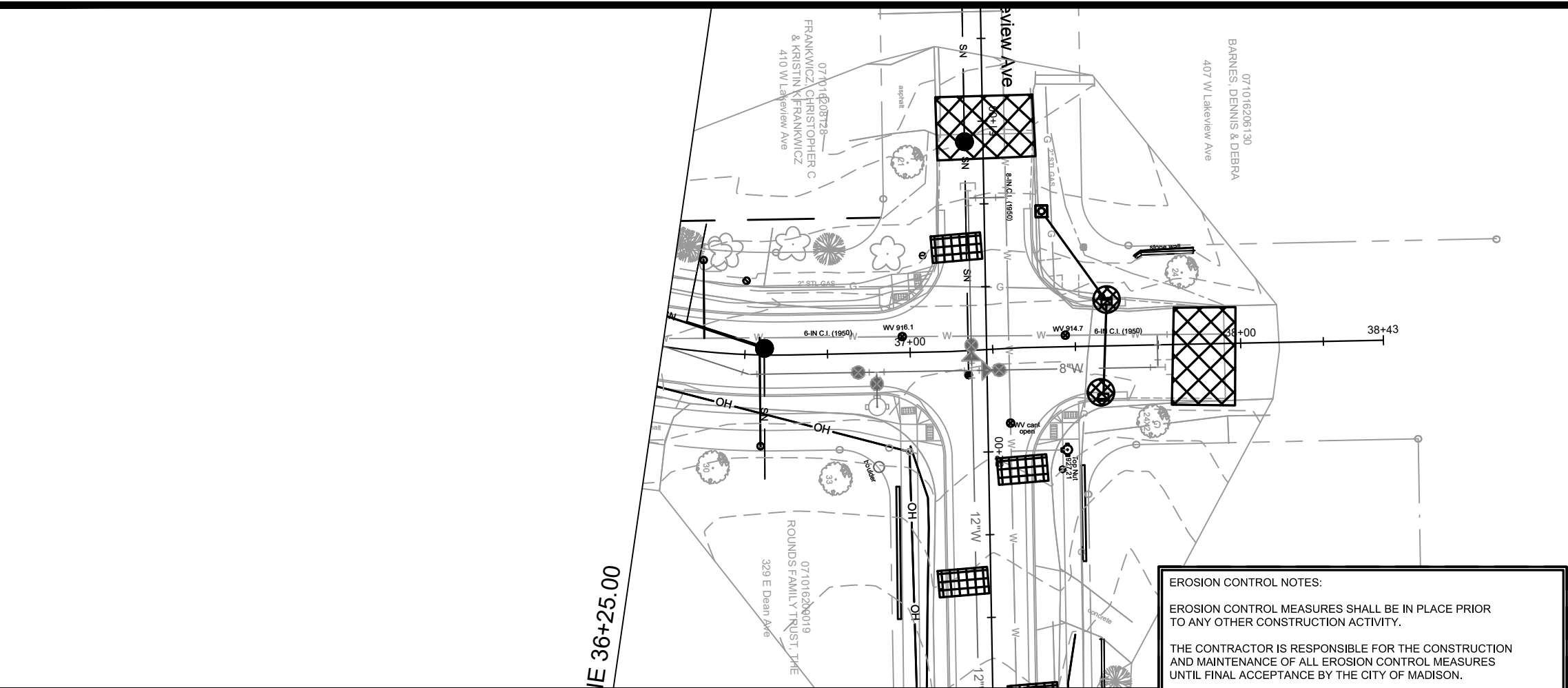
EROSION CONTROL - E DEAN AVE

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

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 EC-7





EROSION CONTROL NOTES:

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

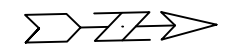
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THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

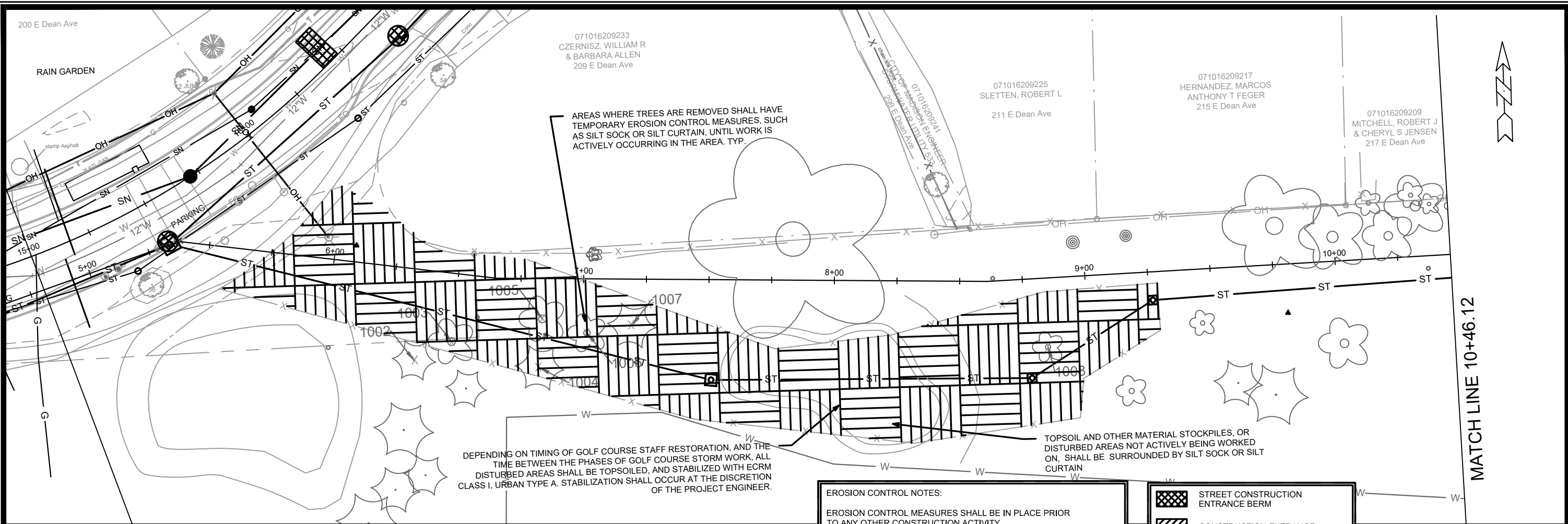
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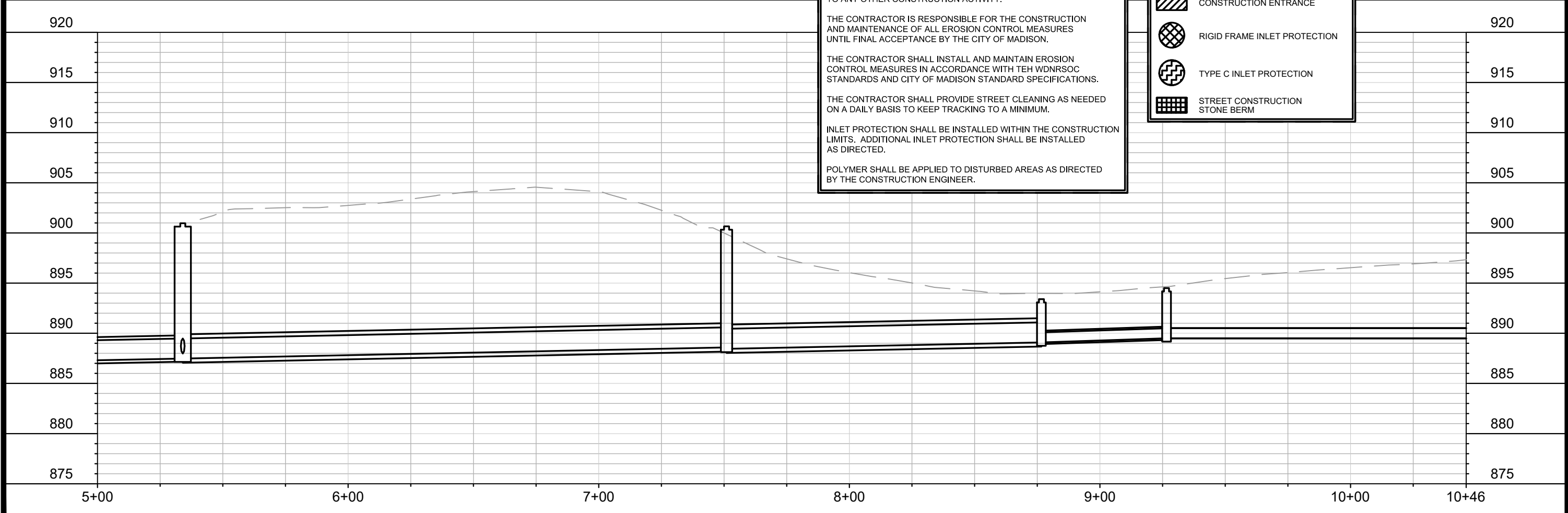
-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  RIGID FRAME INLET PROTECTION
-  TYPE C INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM



11432	MADISON, WI	7838	CONTRACT NO:
EROSION CONTROL - E DEAN AVE E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021			
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11432		EC-8	



MATCH LINE 10+46.12



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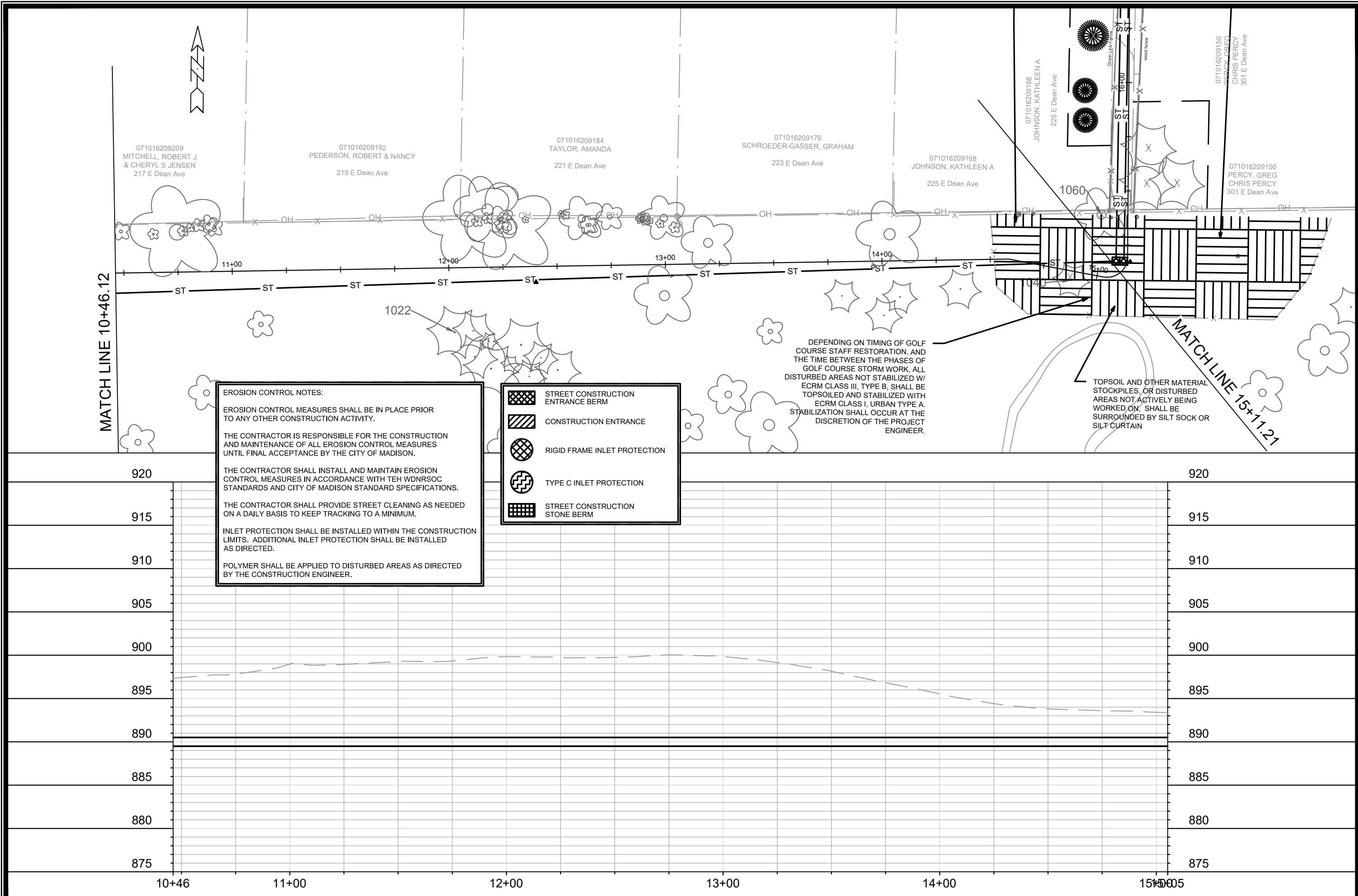
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-  CONSTRUCTION ENTRANCE
-  RIGID FRAME INLET PROTECTION
-  TYPE C INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM

MARK	REVISION	DATE	BY

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:



11432
 EC-9



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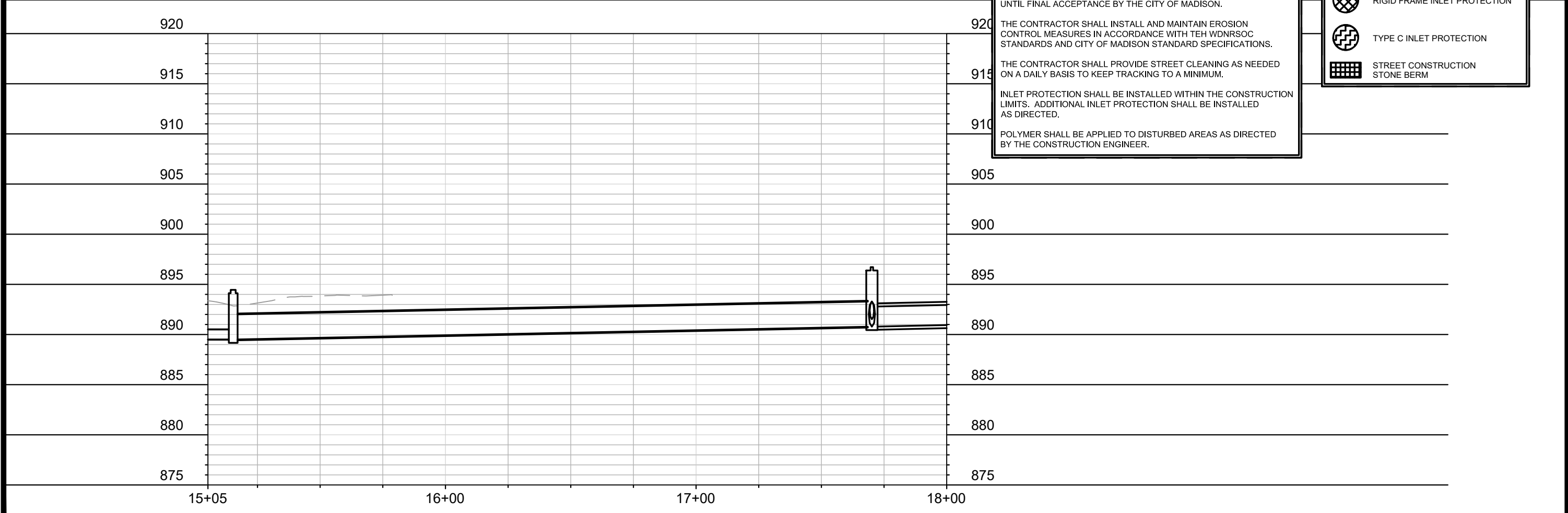
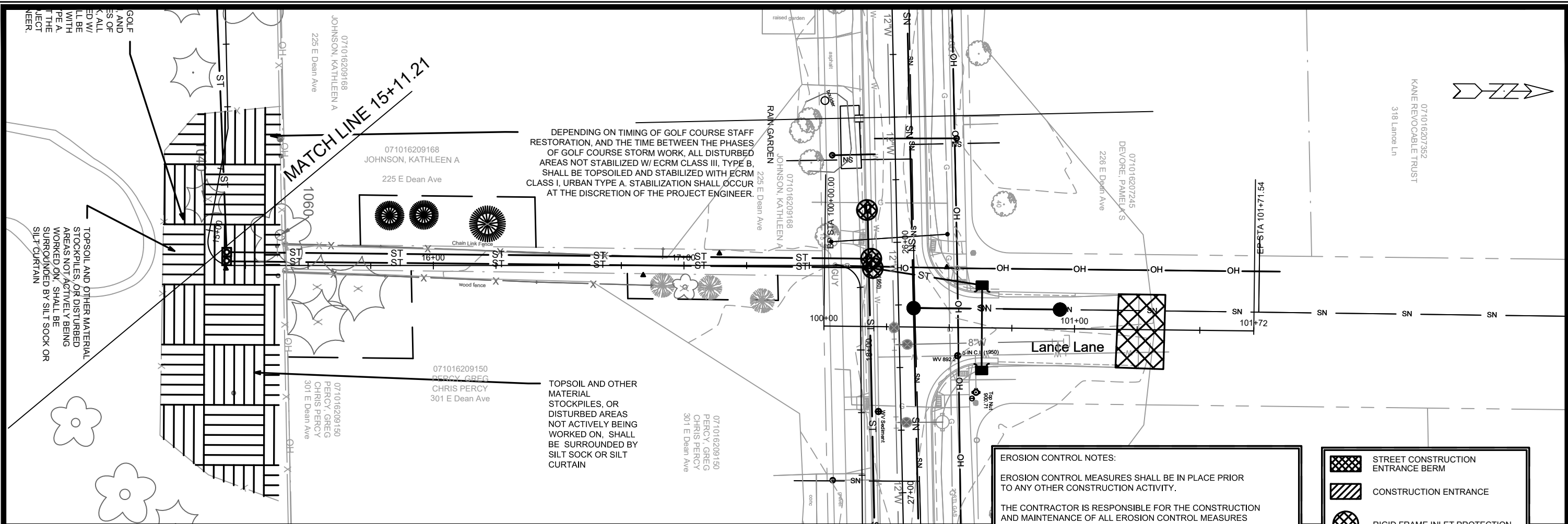
-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  RIGID FRAME INLET PROTECTION
-  TYPE C INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM

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

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



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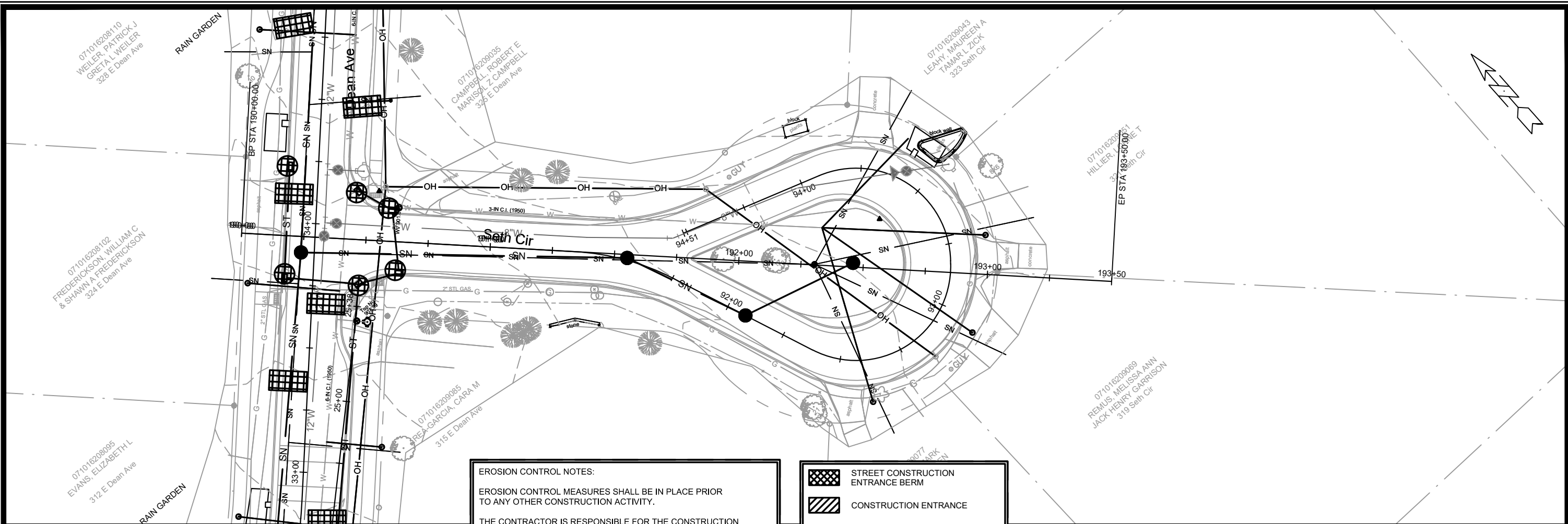
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-  RIGID FRAME INLET PROTECTION
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EROSION CONTROL NOTES:

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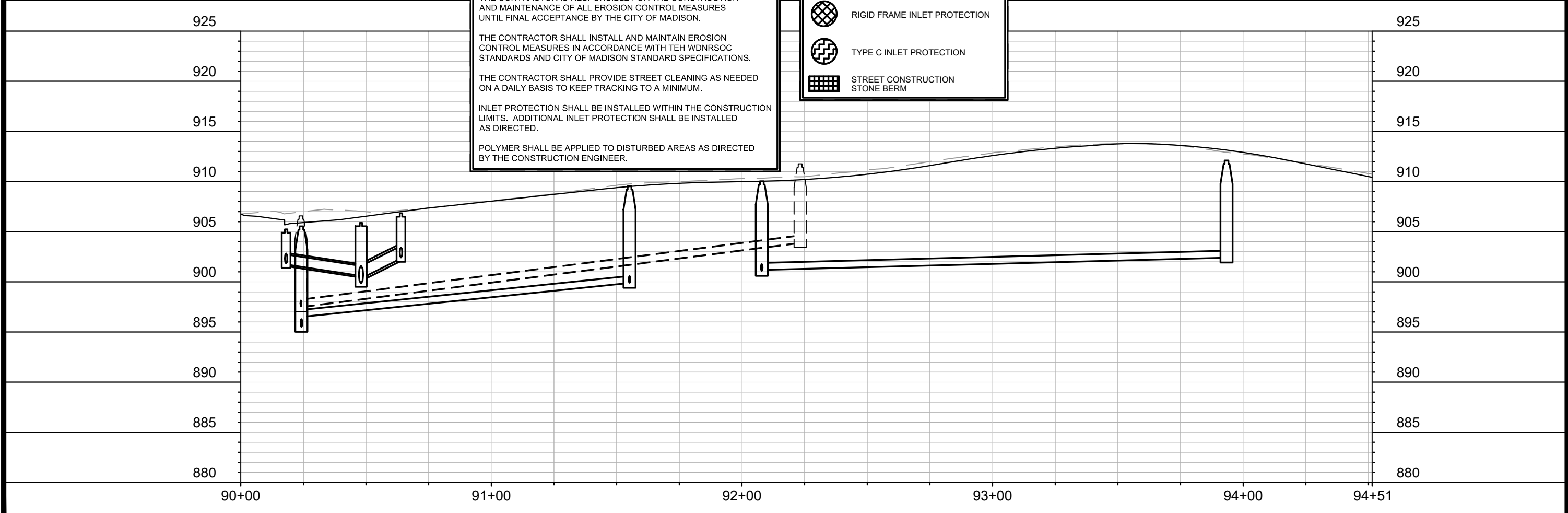
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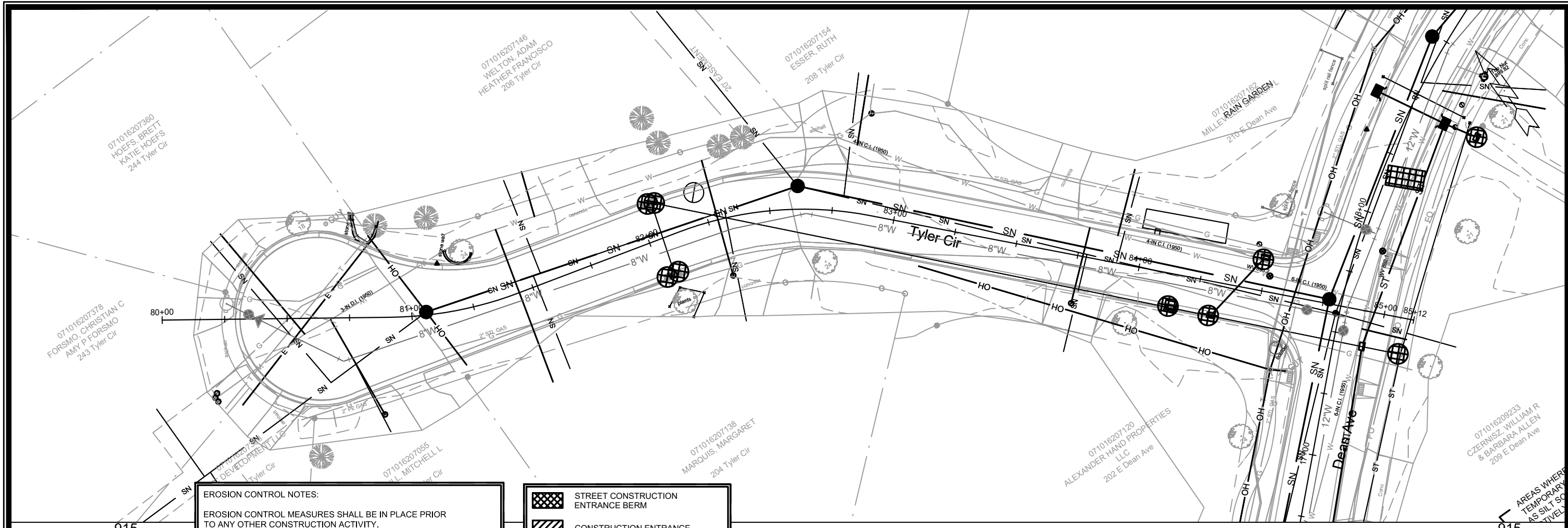
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 MADISON, WI
 RECONSTRUCT 2021
 SETH CIR. & TYLER CIR.
 7838
 CONTRACT NO:



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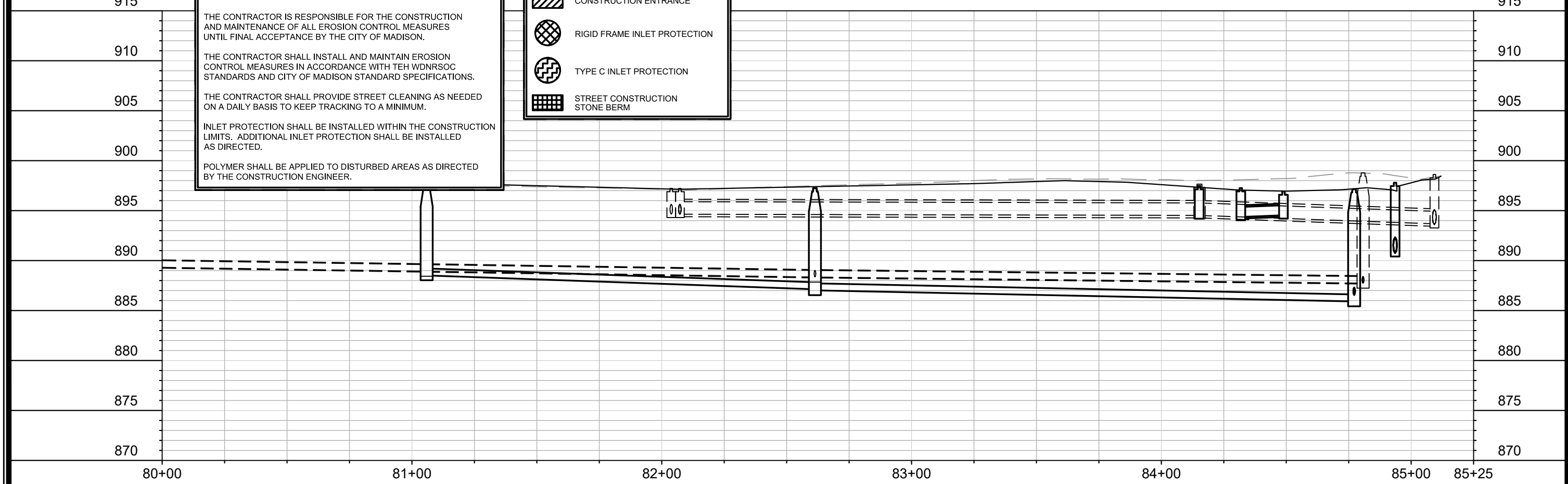
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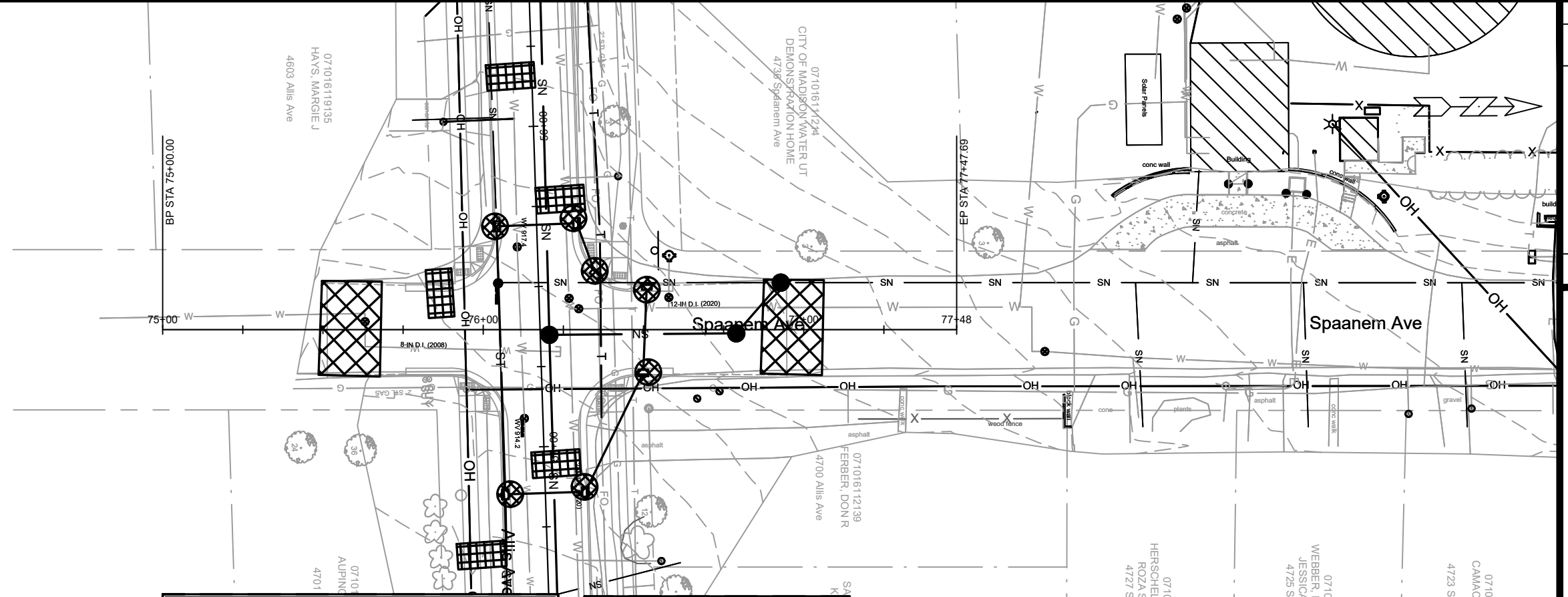
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-  CONSTRUCTION ENTRANCE
-  RIGID FRAME INLET PROTECTION
-  TYPE C INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM



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11432		MADISON, WI		7838
EROSION CONTROL - TYLER CIR		E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021		CONTRACT NO:
		11432		EC-13



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- TYPE C INLET PROTECTION
- STREET CONSTRUCTION STONE BERM

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11432

MADISON, WI

7838

CONTRACT NO:

EROSION CONTROL - SPAANEM AVE

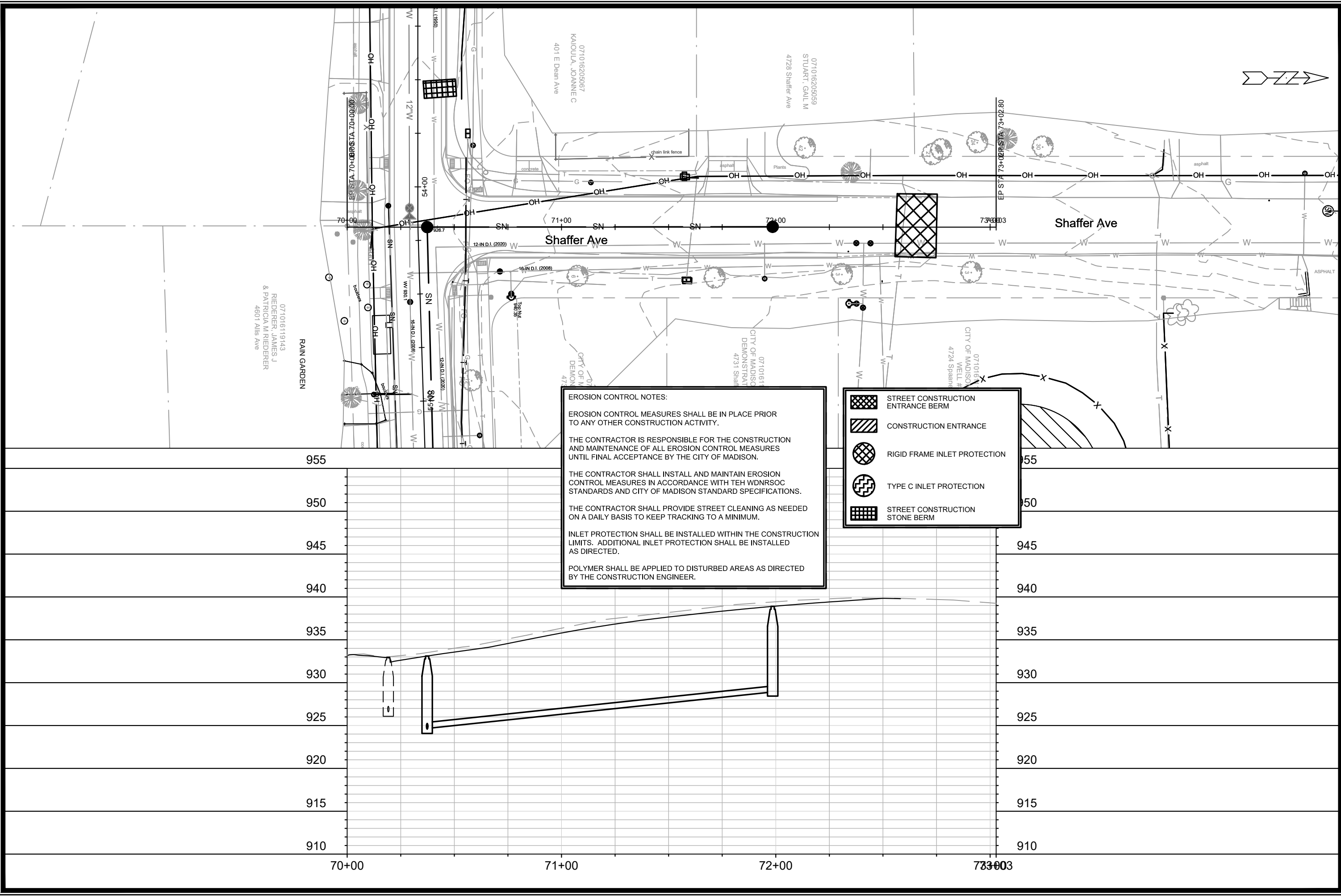
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021

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11432

EC-14



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

RAIN GARDEN

Shaffer Ave

Shaffer Ave

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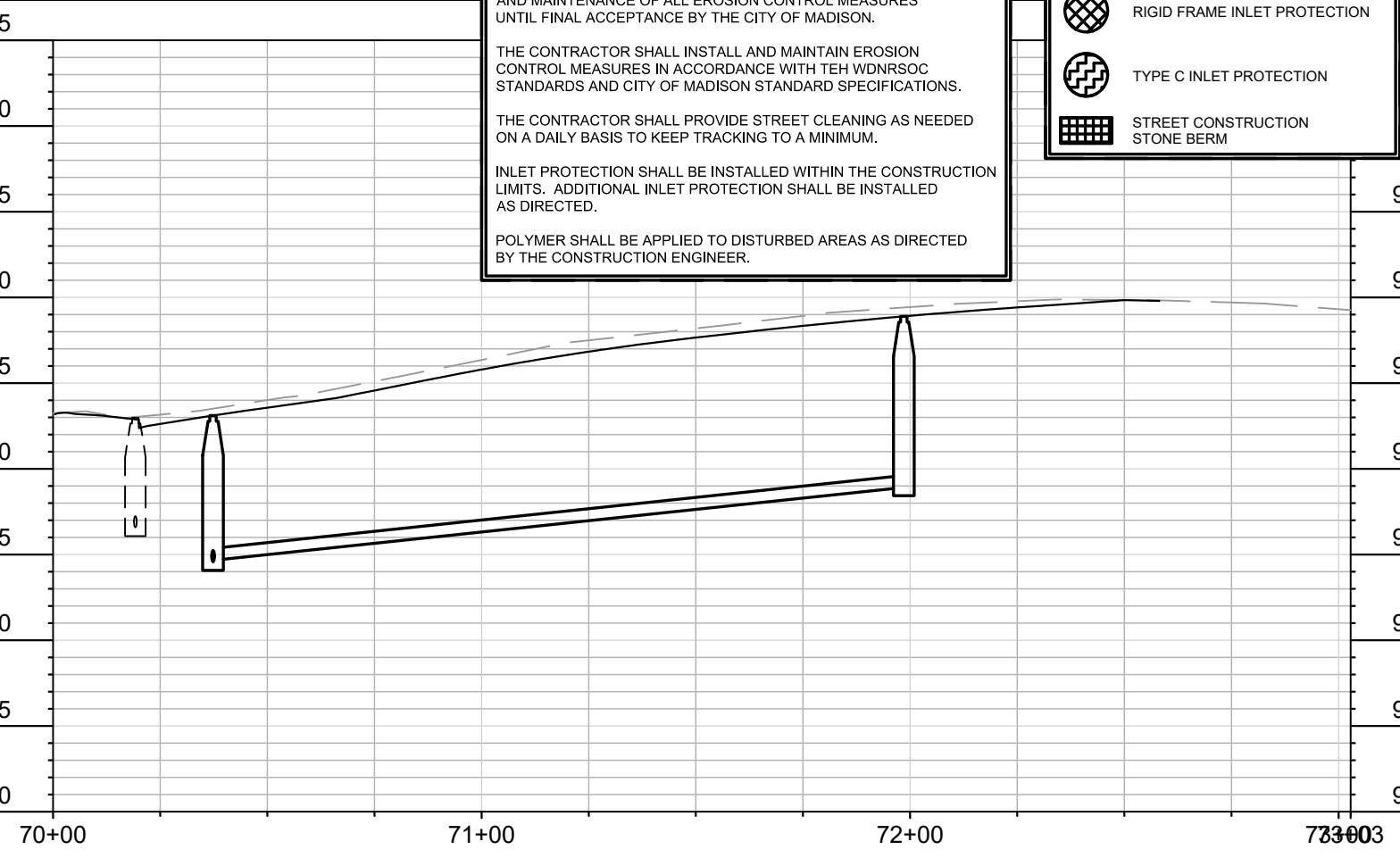
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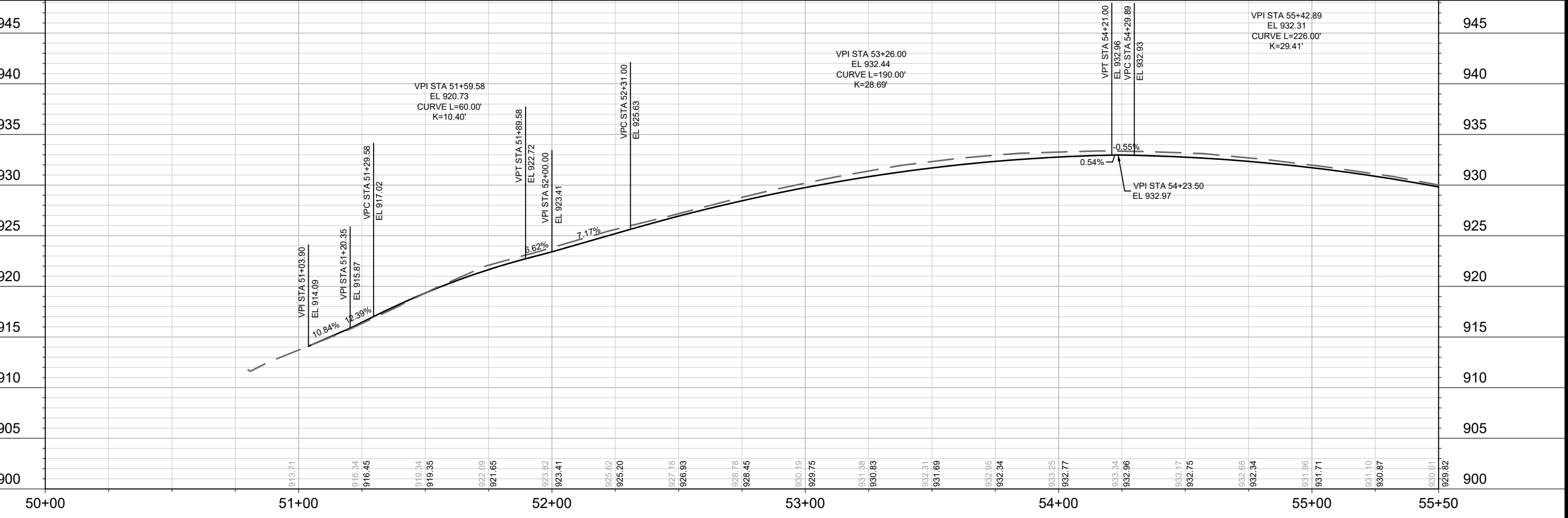
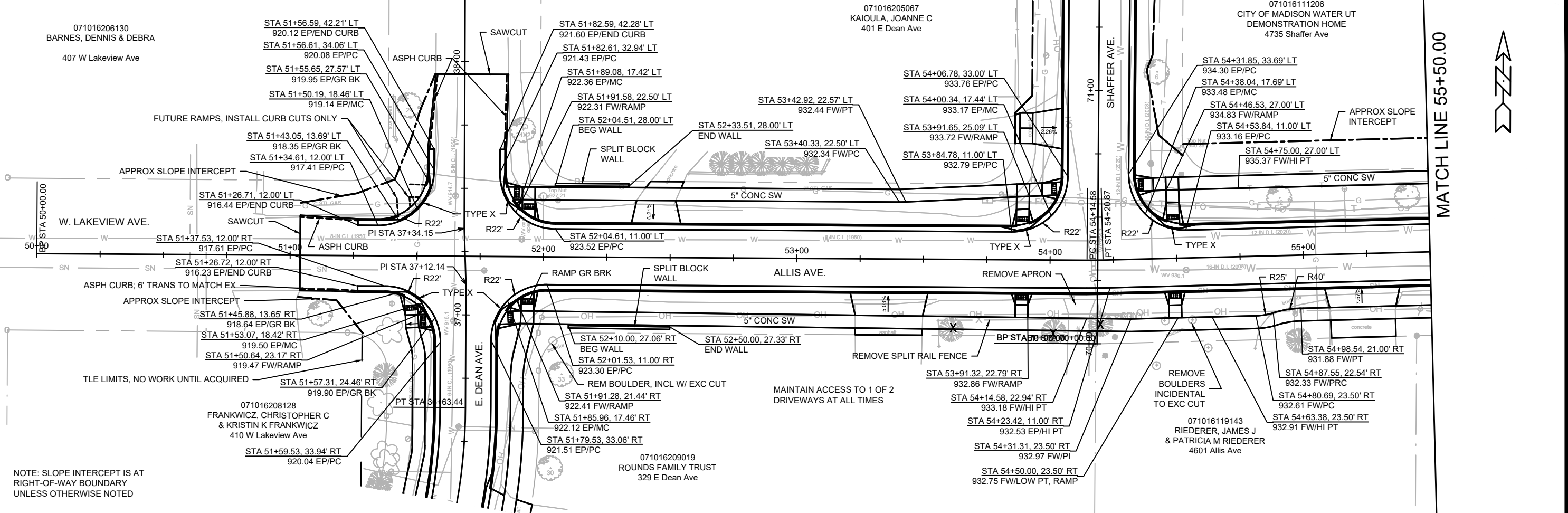
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11432
 MADISON, WI
 RECONSTRUCT 2021
 SETH CIR. & TYLER CIR.
 ALLIS AVE.,
 CONTRACT NO: 7838

11432
 EC-15





MATCH LINE 55+50.00

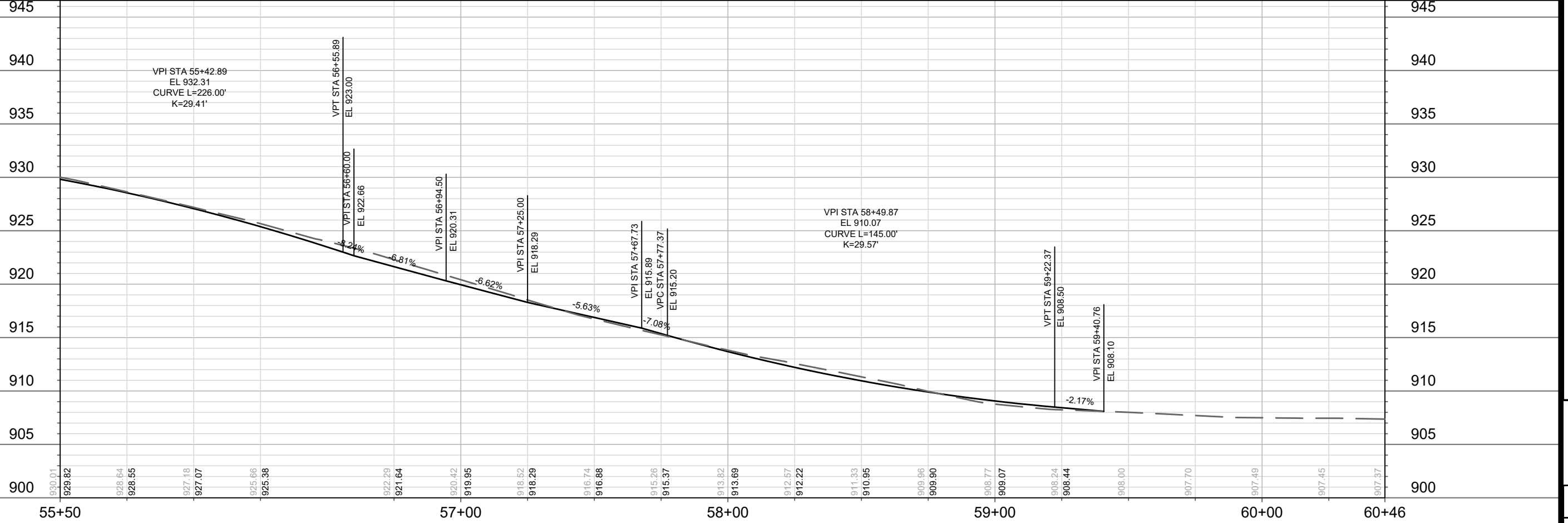
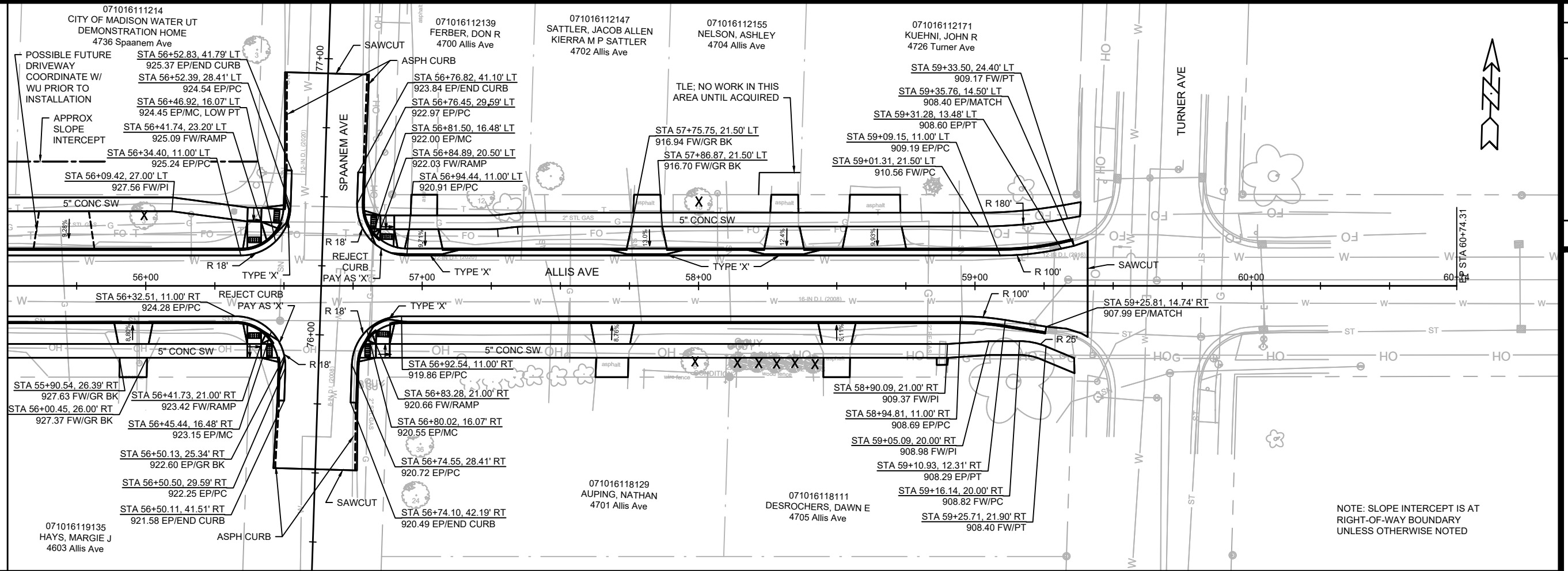
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MADISON, WI
CONTRACT NO: 7838

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

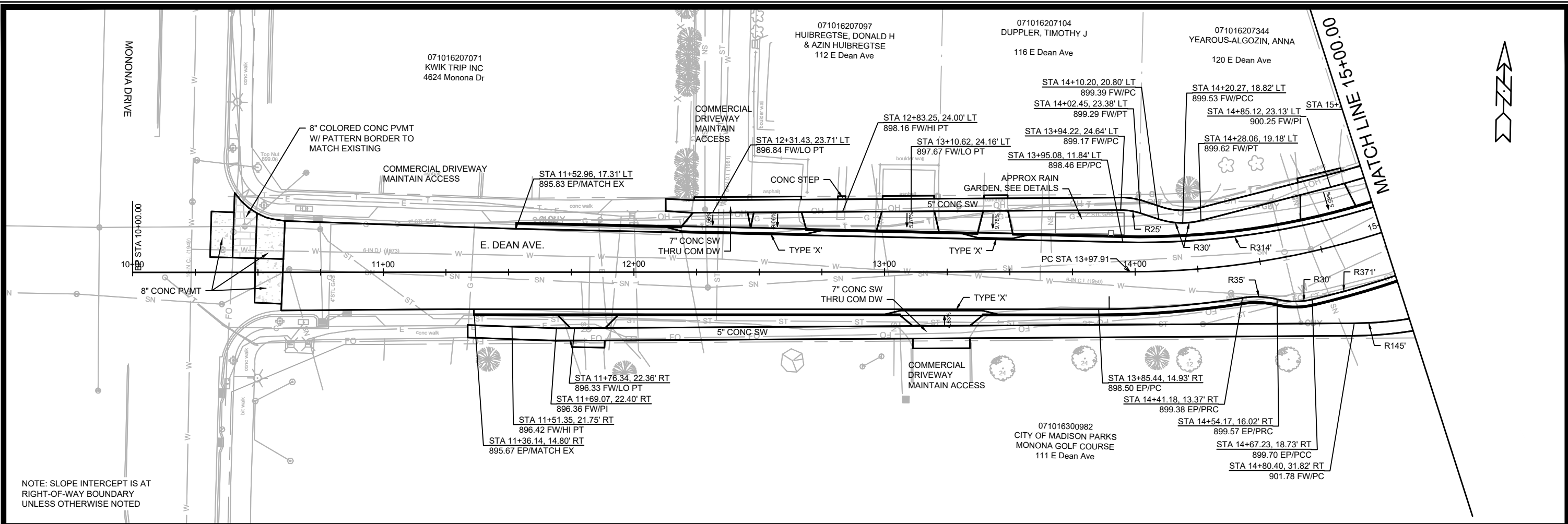
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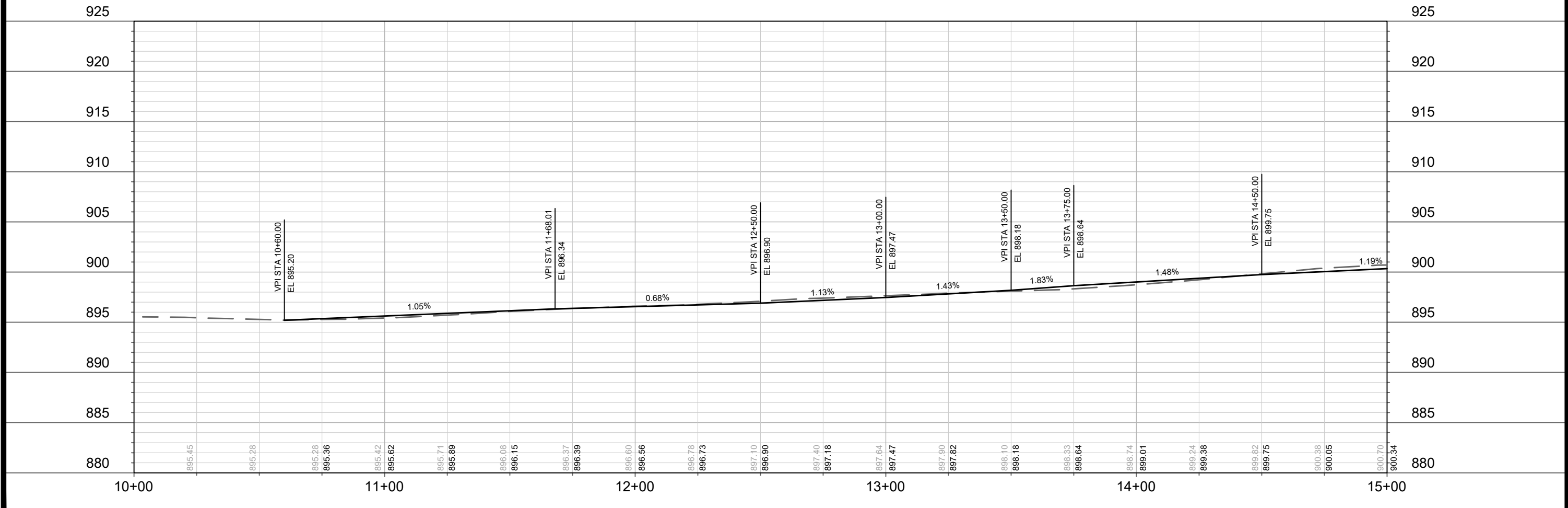
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 MADISON, WI
 RECONSTRUCT 2021
 SETH CIR. & TYLER CIR.
 ALLIS AVE.,
 CONTRACT NO: 7838





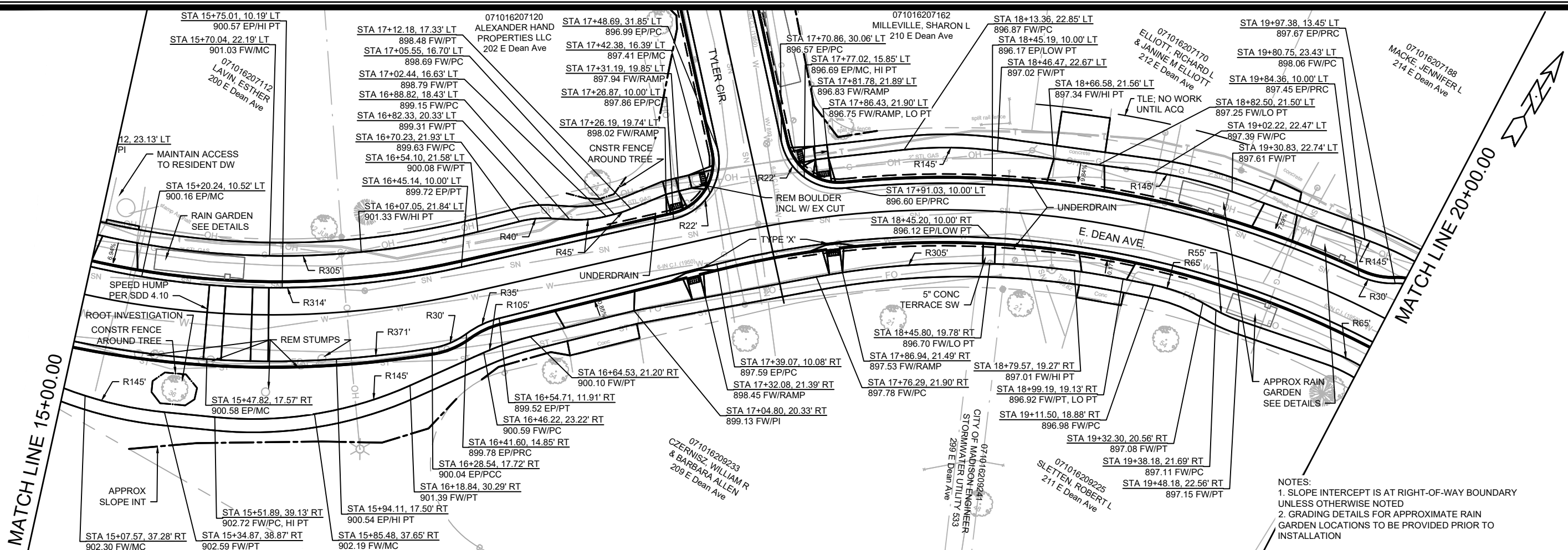
NOTE: SLOPE INTERCEPT IS AT RIGHT-OF-WAY BOUNDARY UNLESS OTHERWISE NOTED



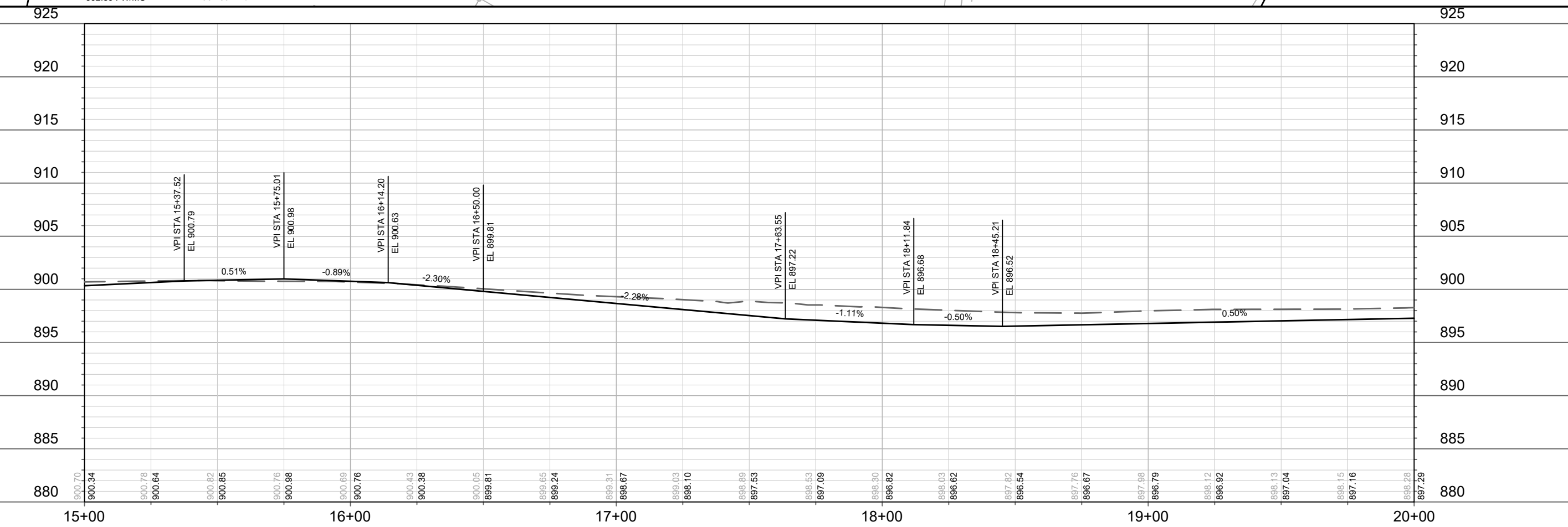
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 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
 MADISON, WI
 CONTRACT NO: 7838
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 P-3



NOTES:
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11432	P-4

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

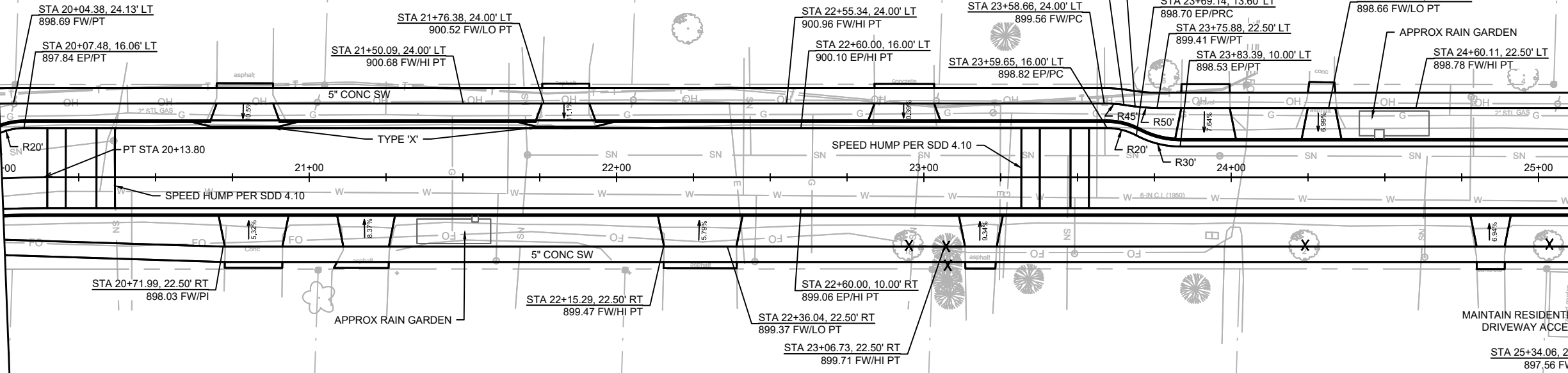
11432
 P-4

MATCH LINE 20+00.00

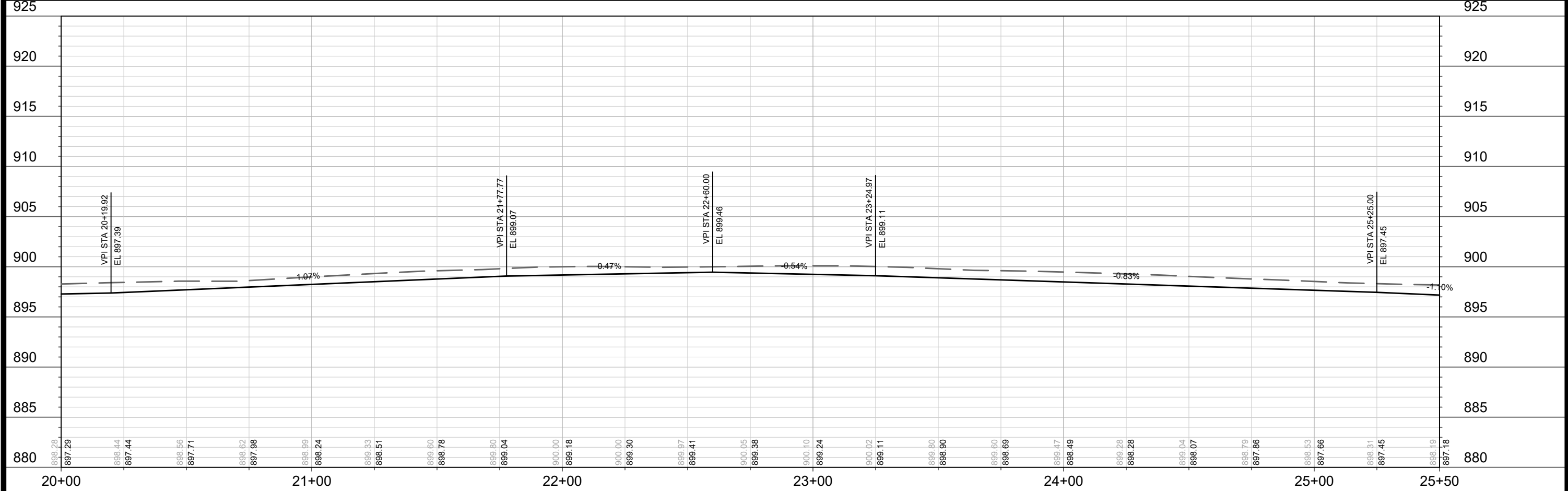
MATCH LINE 25+50.00

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

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 071016209209 MITCHELL, ROBERT J & CHERYL S JENSEN 217 E Dean Ave
 071016209192 PEDERSON, ROBERT & NANCY 219 E Dean Ave
 071016209184 TAYLOR, AMANDA 221 E Dean Ave
 071016209176 SCHROEDER-GASSER, GRAHAM 223 E Dean Ave



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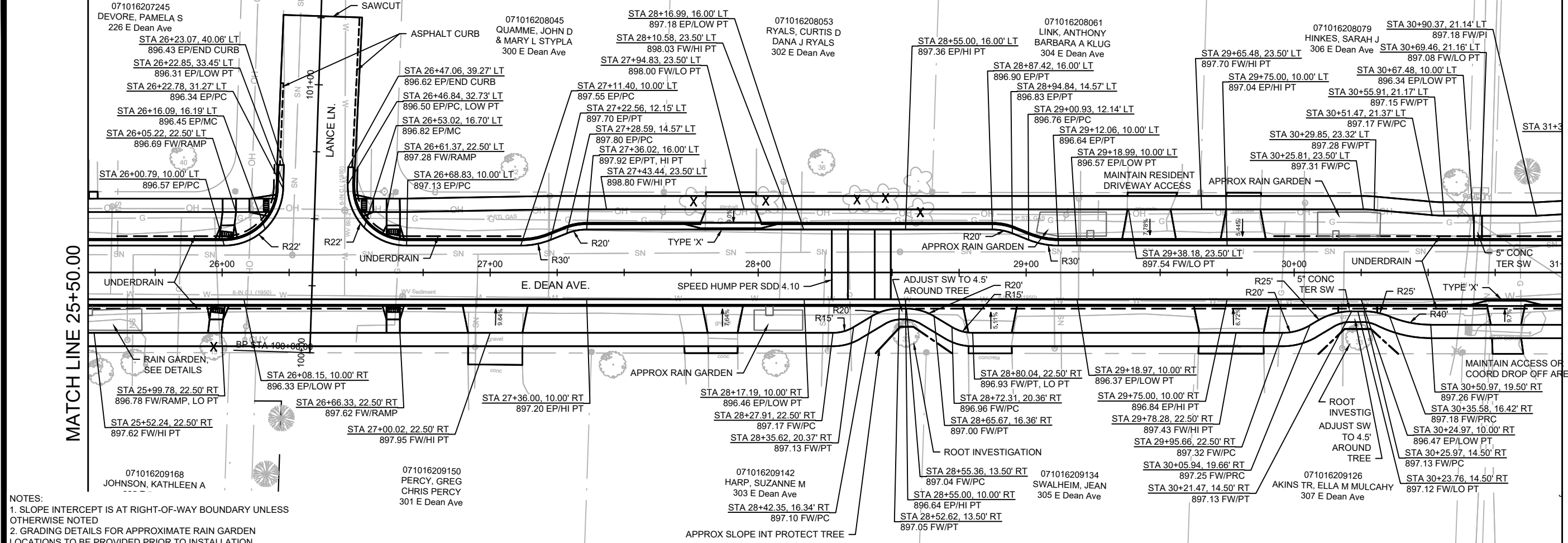
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 P-5

11432
 MADISON, WI
 RECONSTRUCT 2021
 SETH CIR. & TYLER CIR.
 CONTRACT NO: 7838
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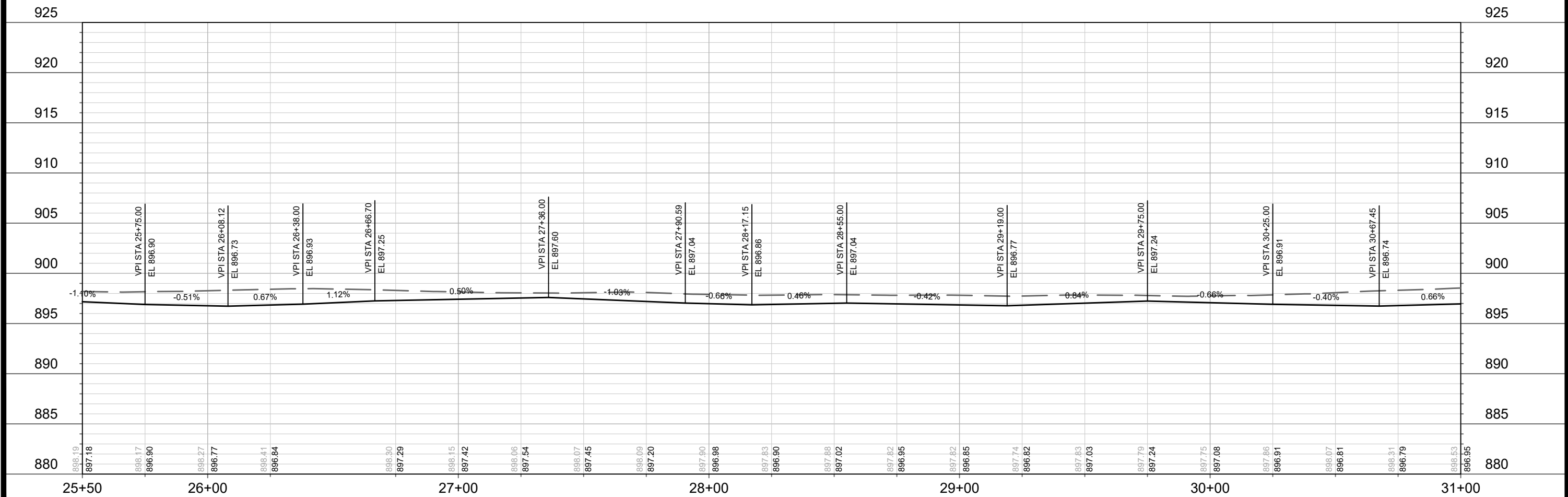
11432
 P-5

MATCH LINE 25+50.00

MATCH LINE 31+00.00



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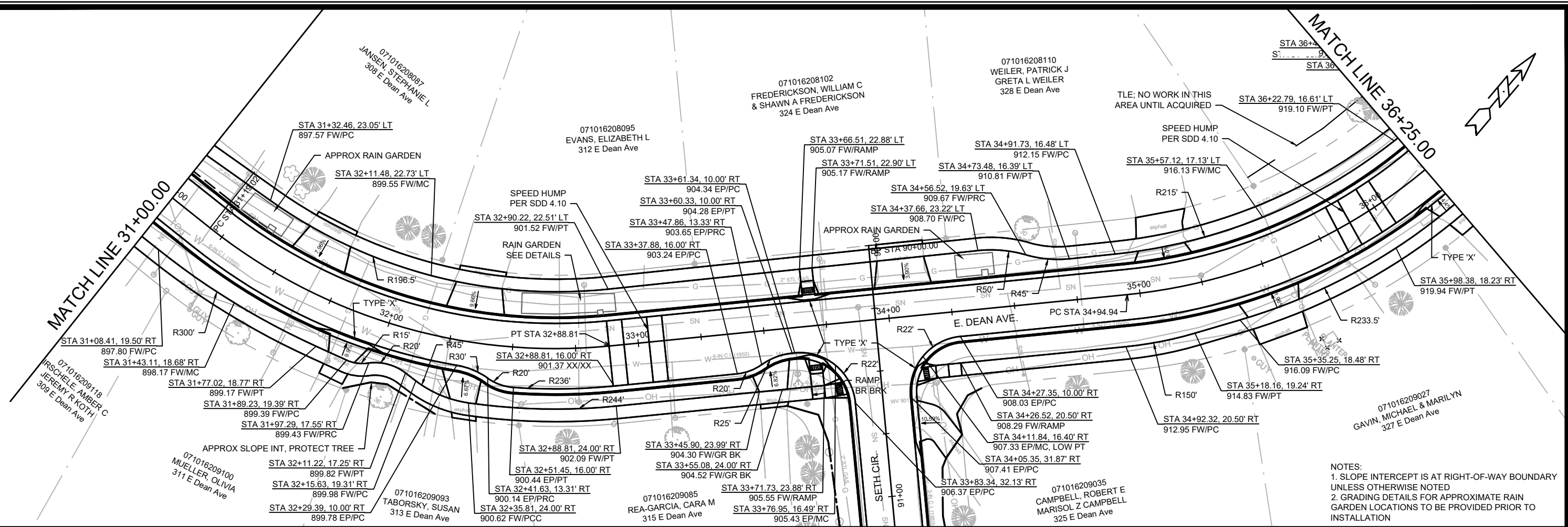


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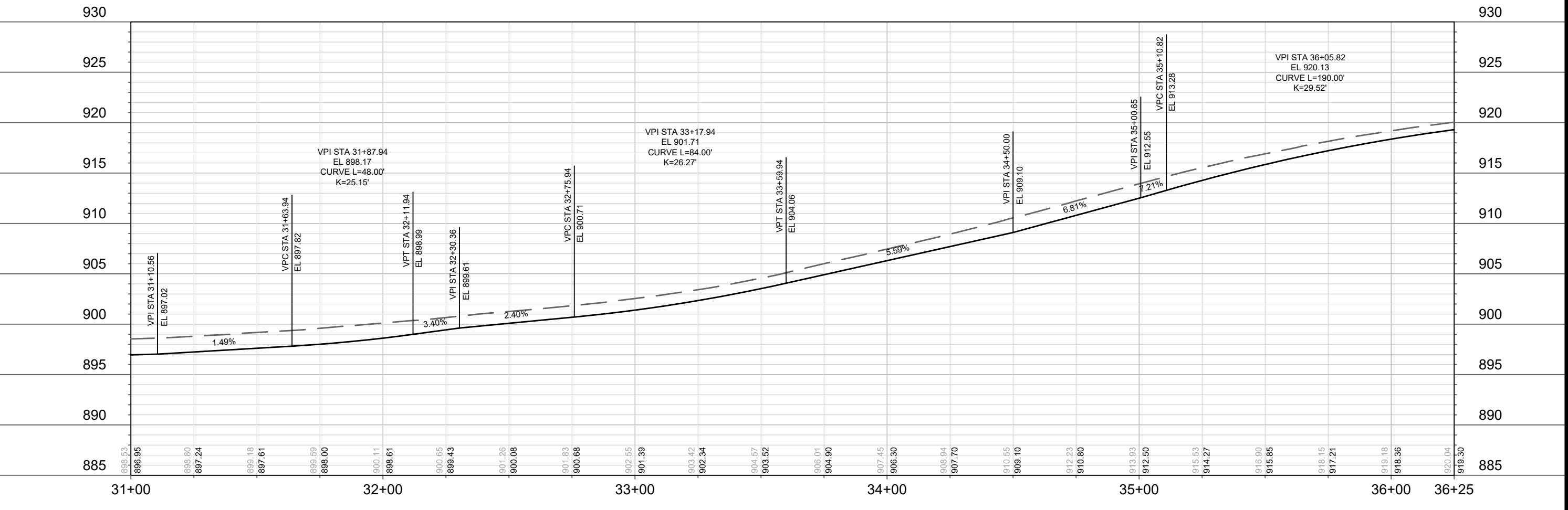
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 RECONSTRUCT 2021
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E. DEAN AVE. PLAN & PROFILE
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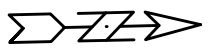
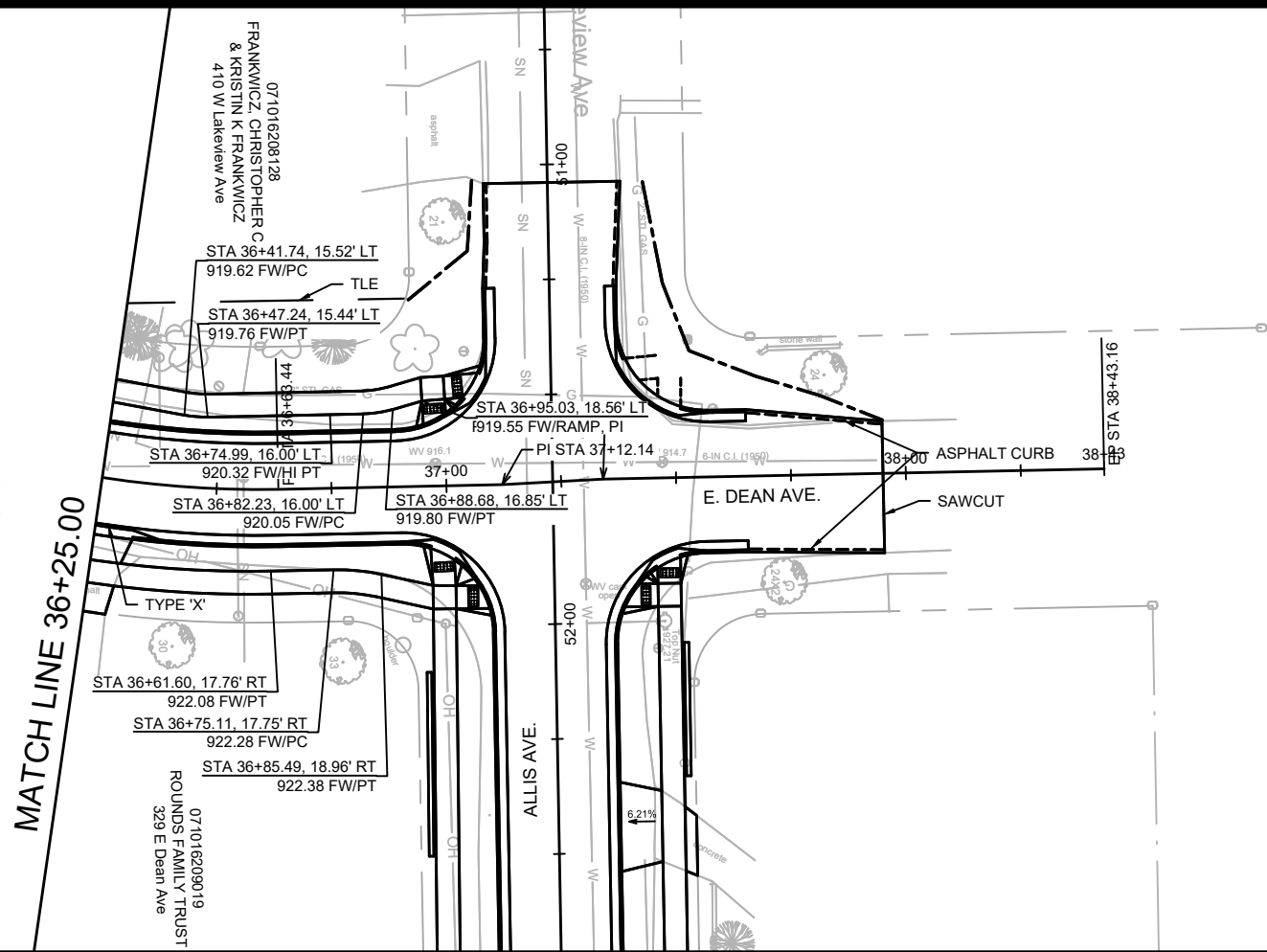


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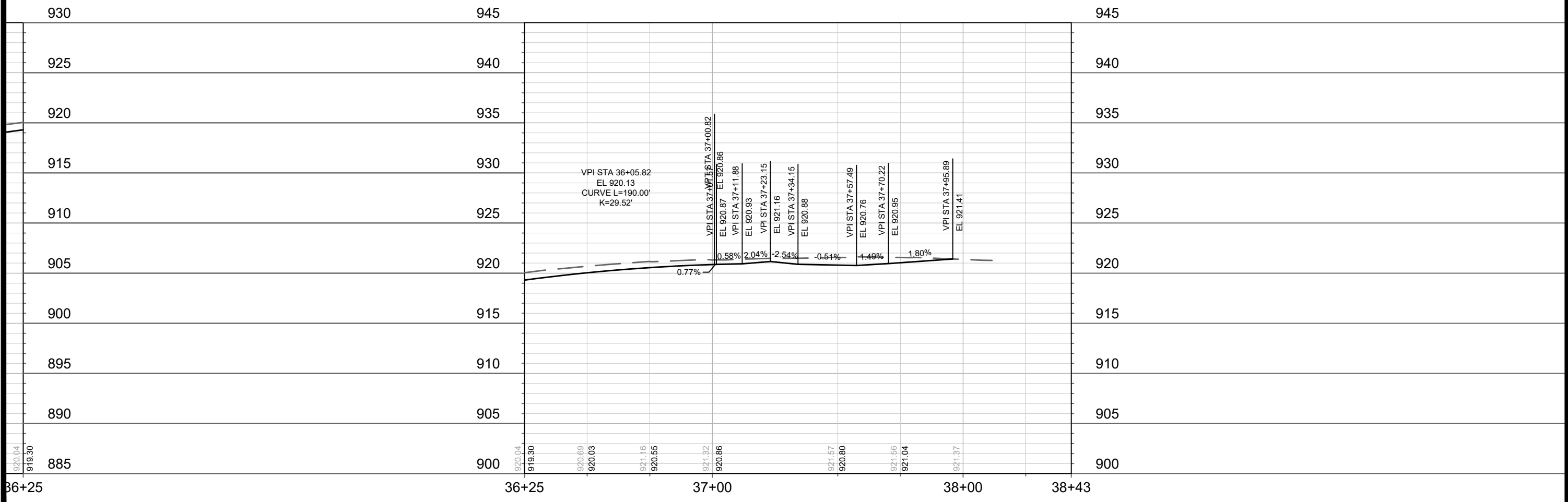


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11432
 MADISON, WI
 RECONSTRUCT 2021
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11432
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 RECONSTRUCT 2021
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 CONTRACT NO: 7838

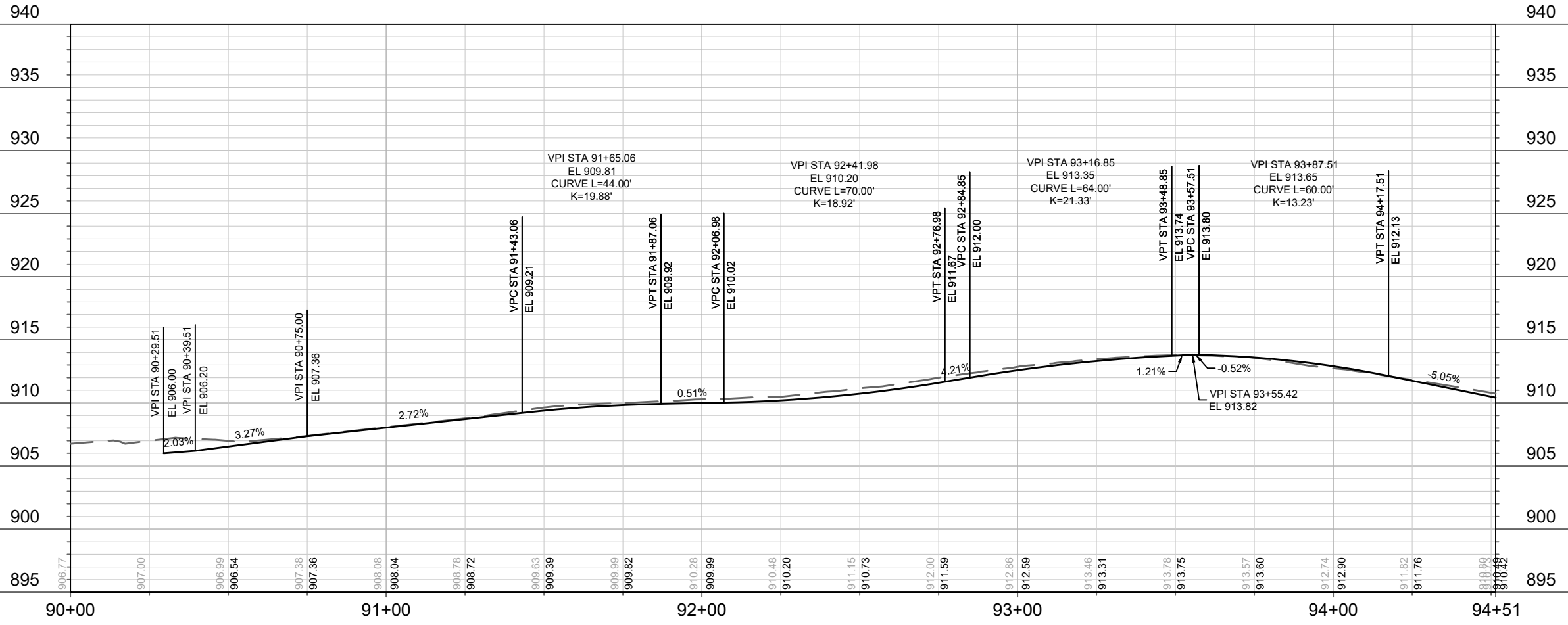
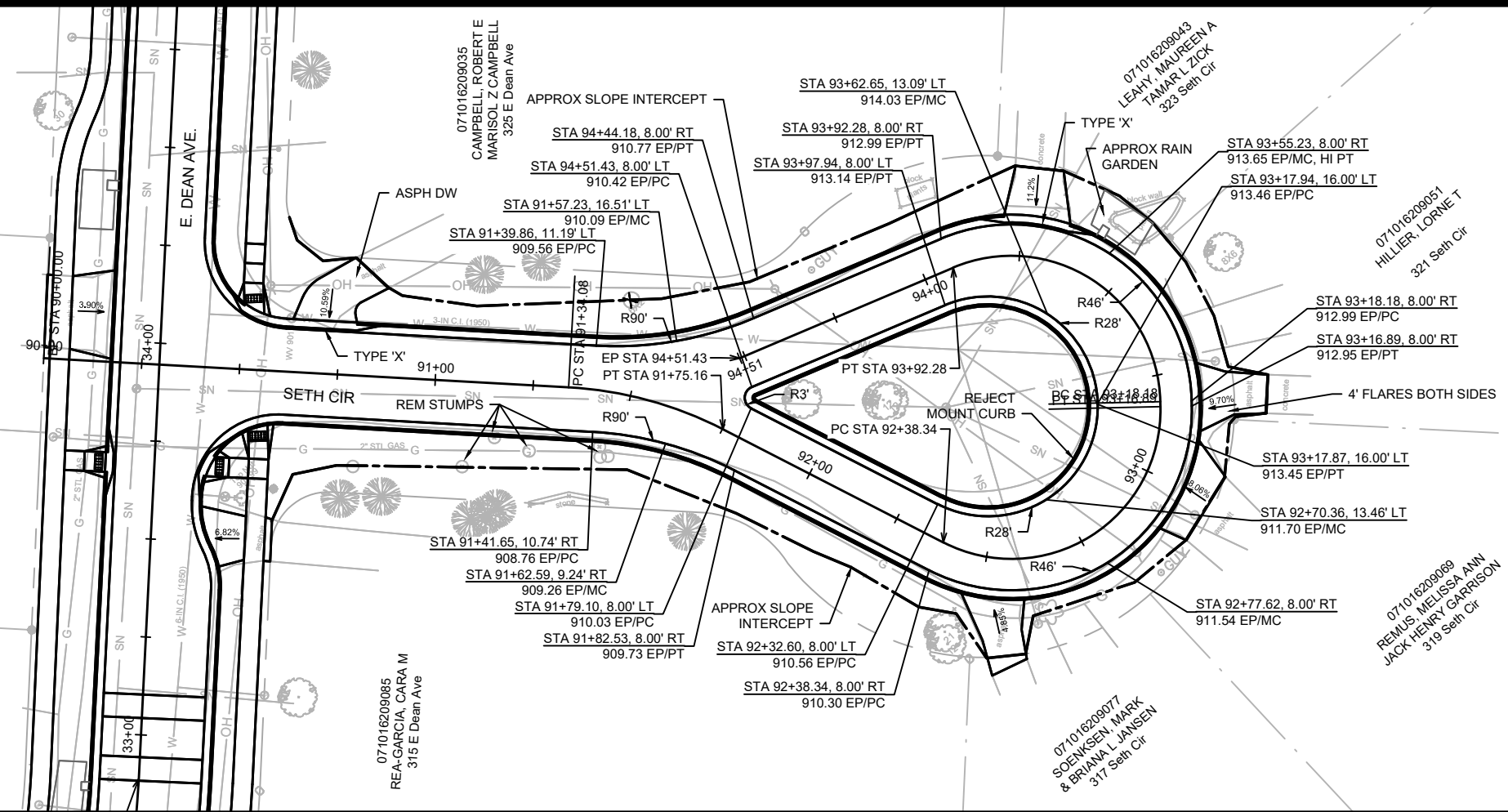


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 FREDERICKSON, WILLIAM C
 & SHAWN A FREDERICKSON
 324 E Dean Ave

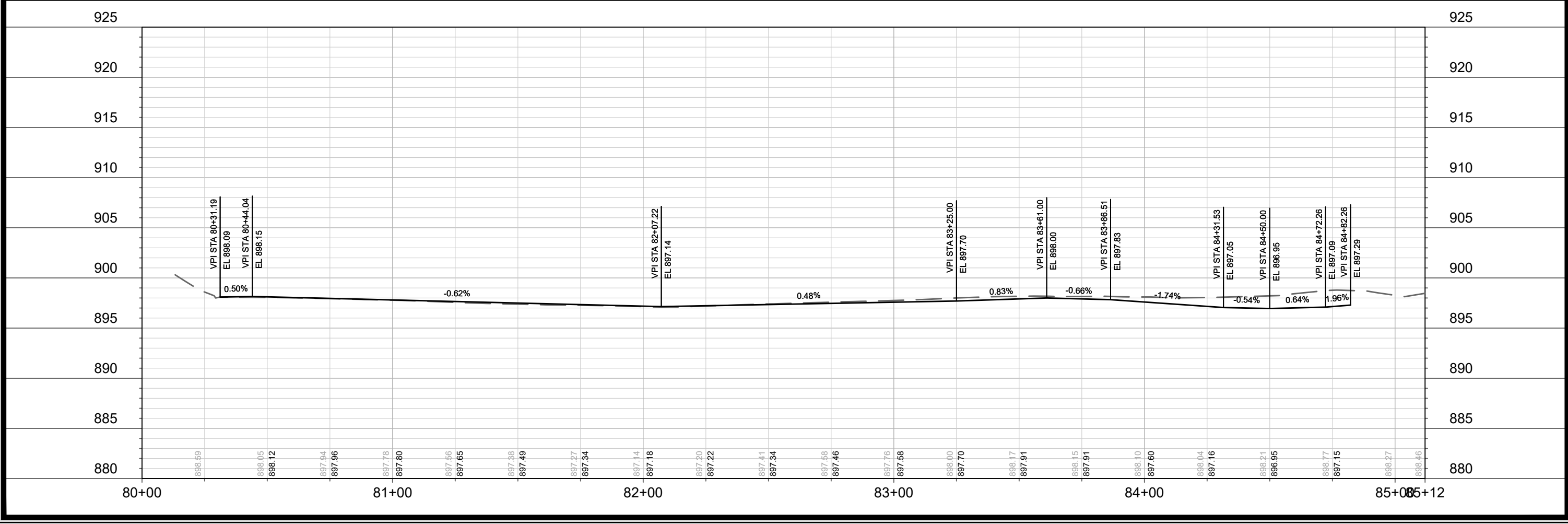
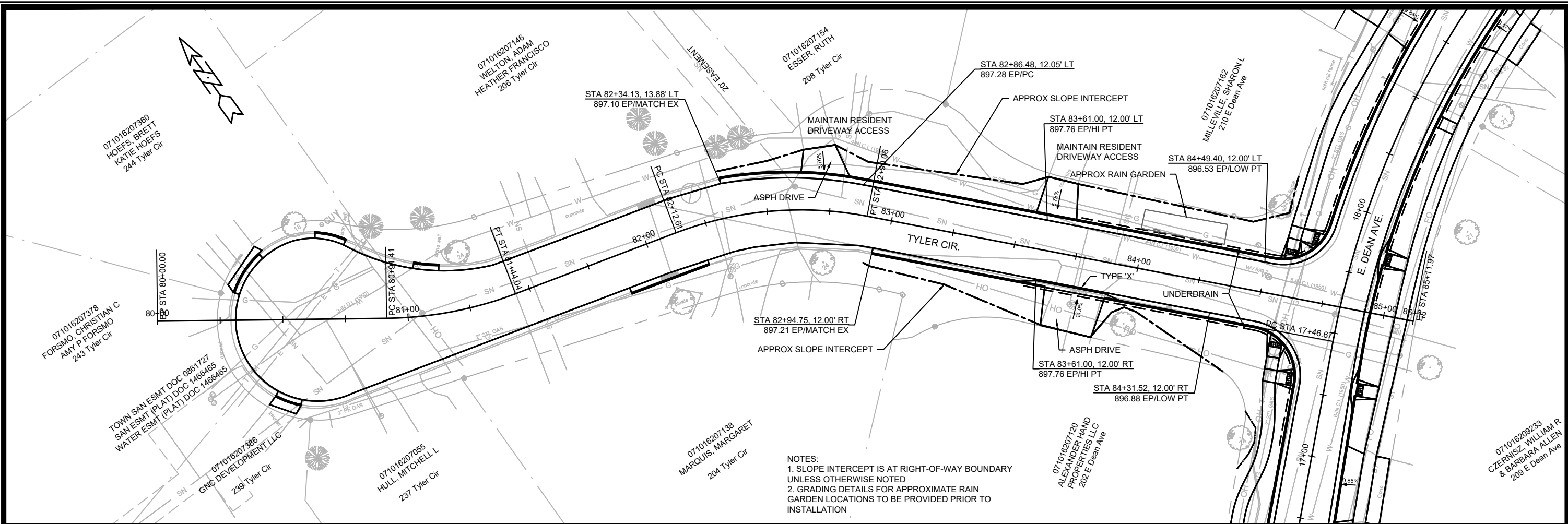
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 WEILER, PATRICK J
 GRETA L WEILER
 328 E Dean Ave




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

SETH CIR. PLAN & PROFILE
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
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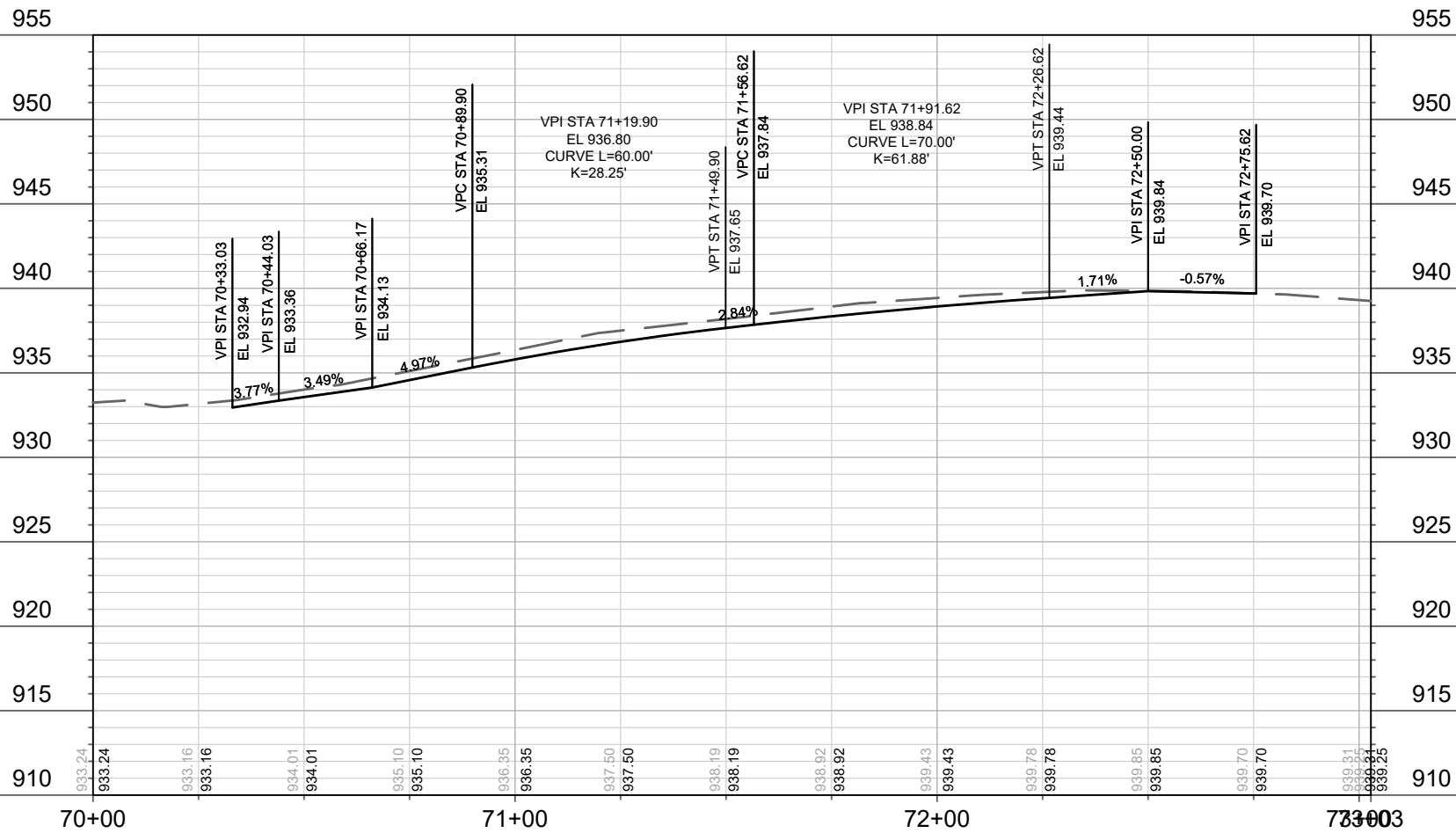
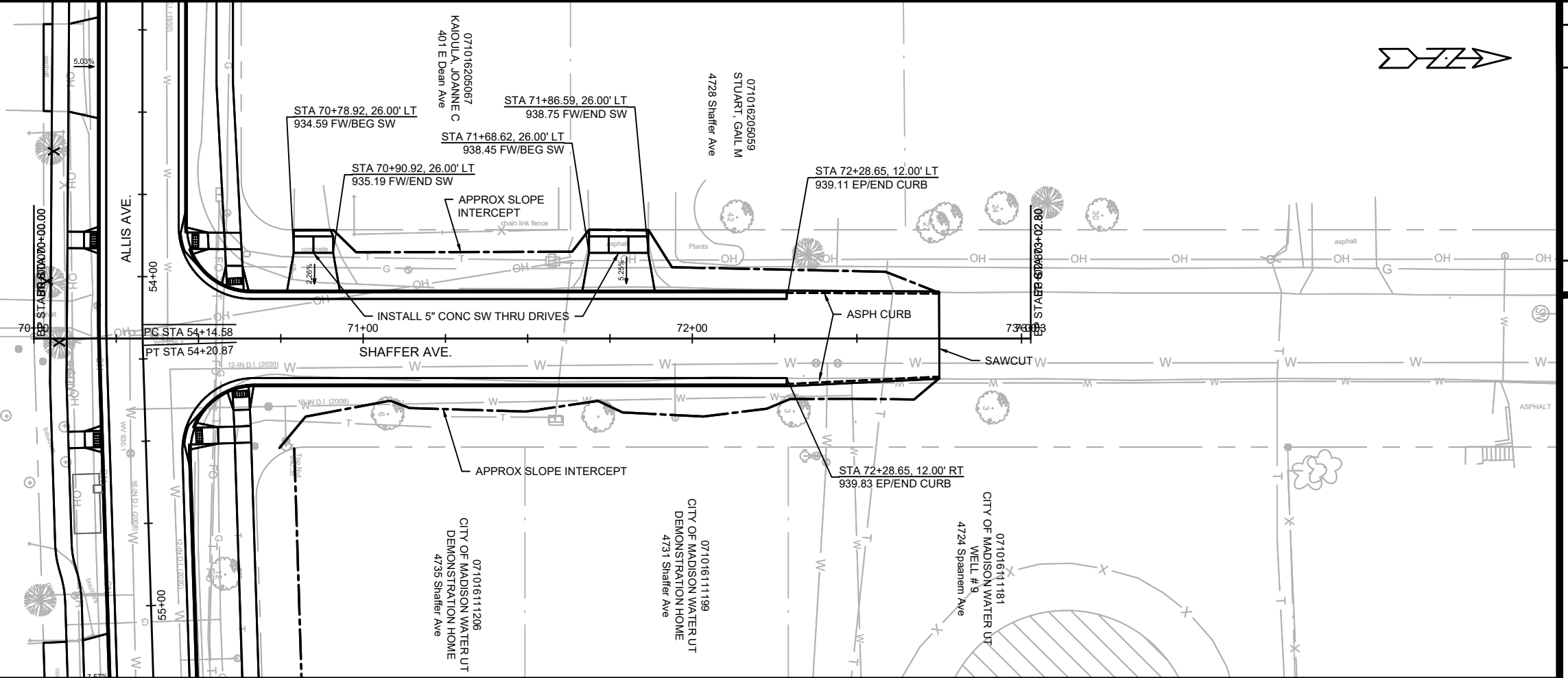
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E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
MADISON, WI
 CONTRACT NO: 7838
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 Revision: 11432
 Mark: 11432
 P-10



11432
P-10

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

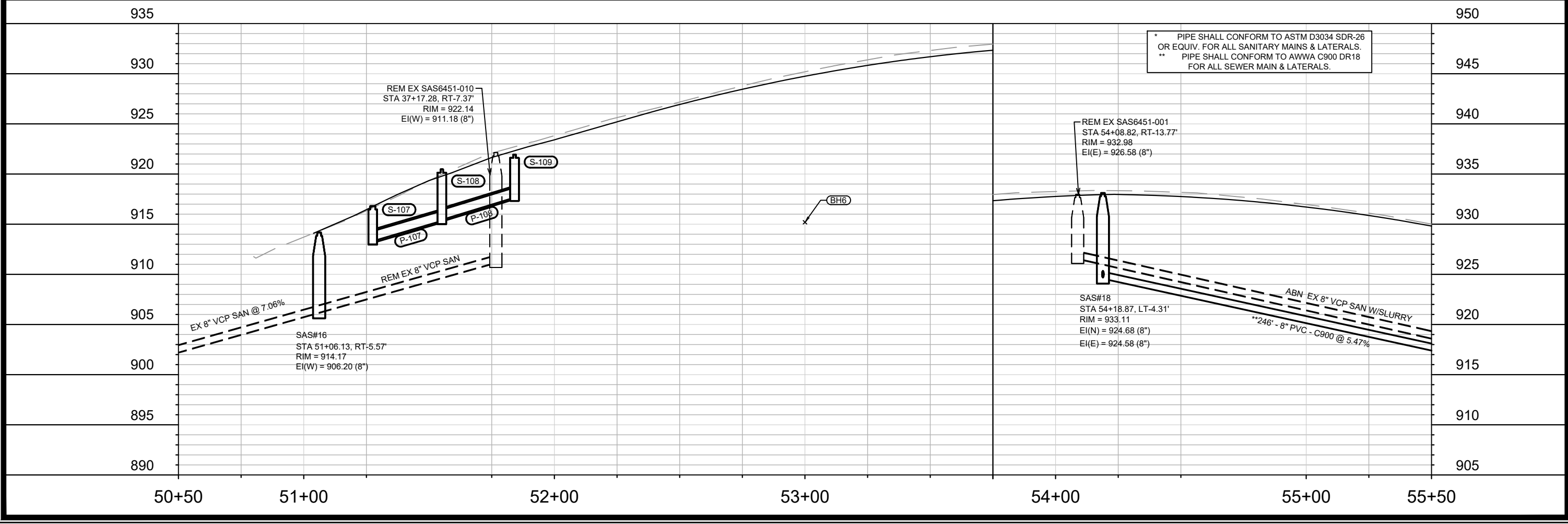
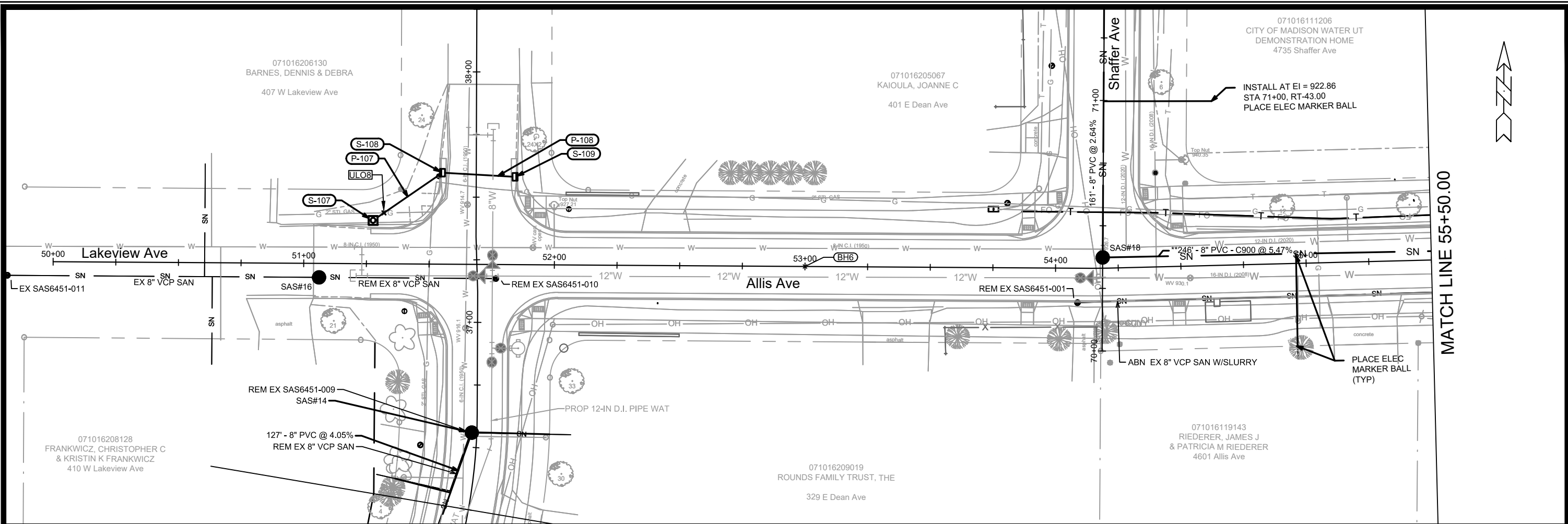
071016119143
 RIEDERER, JAMES J
 & PATRICIA M RIEDERER
 4601 Allis Ave



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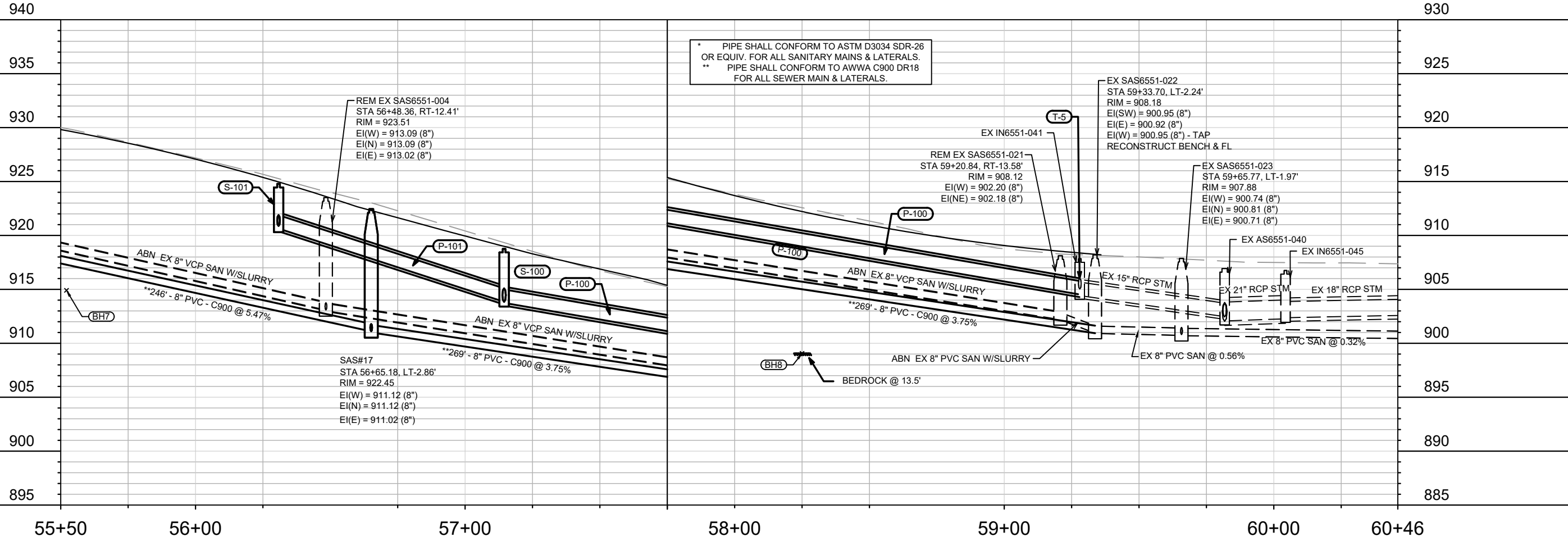
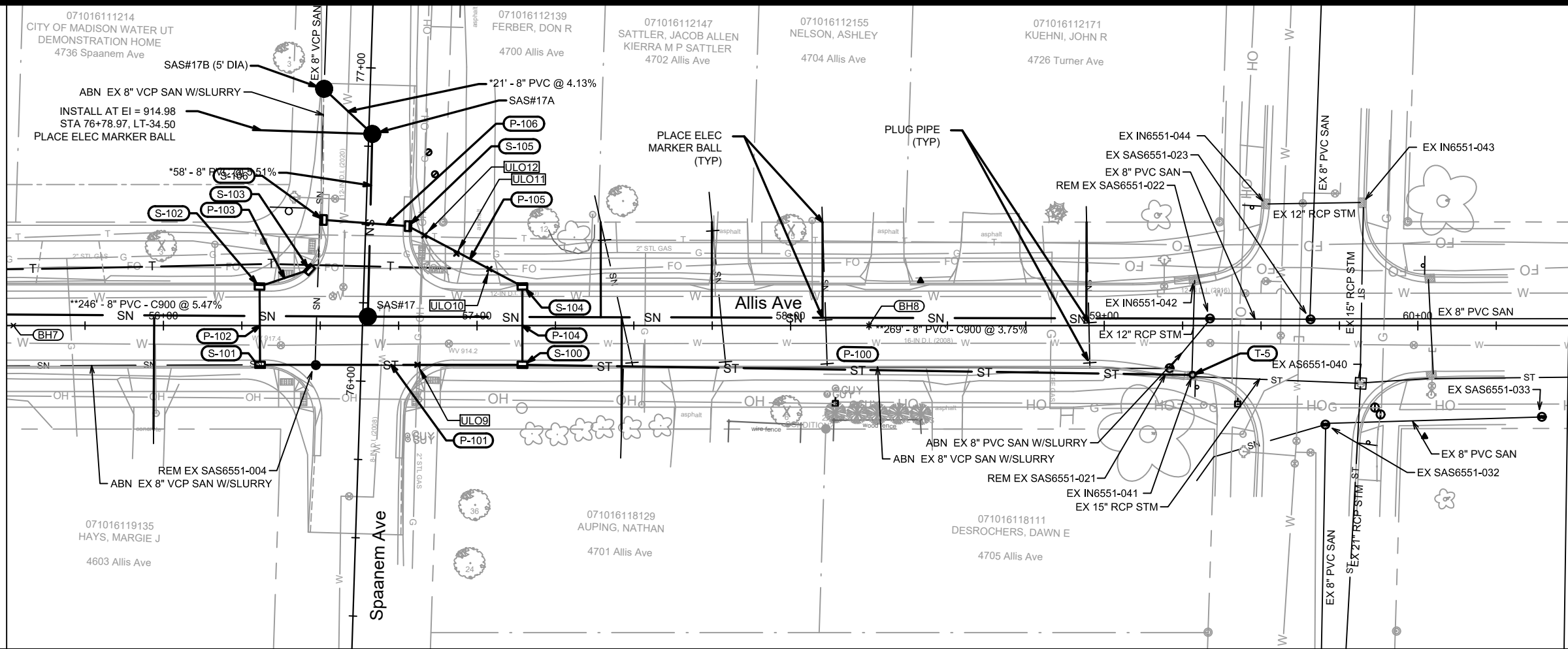
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MADISON, WI
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CONTRACT NO:

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

MATCH LINE 55+50.00



* 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.

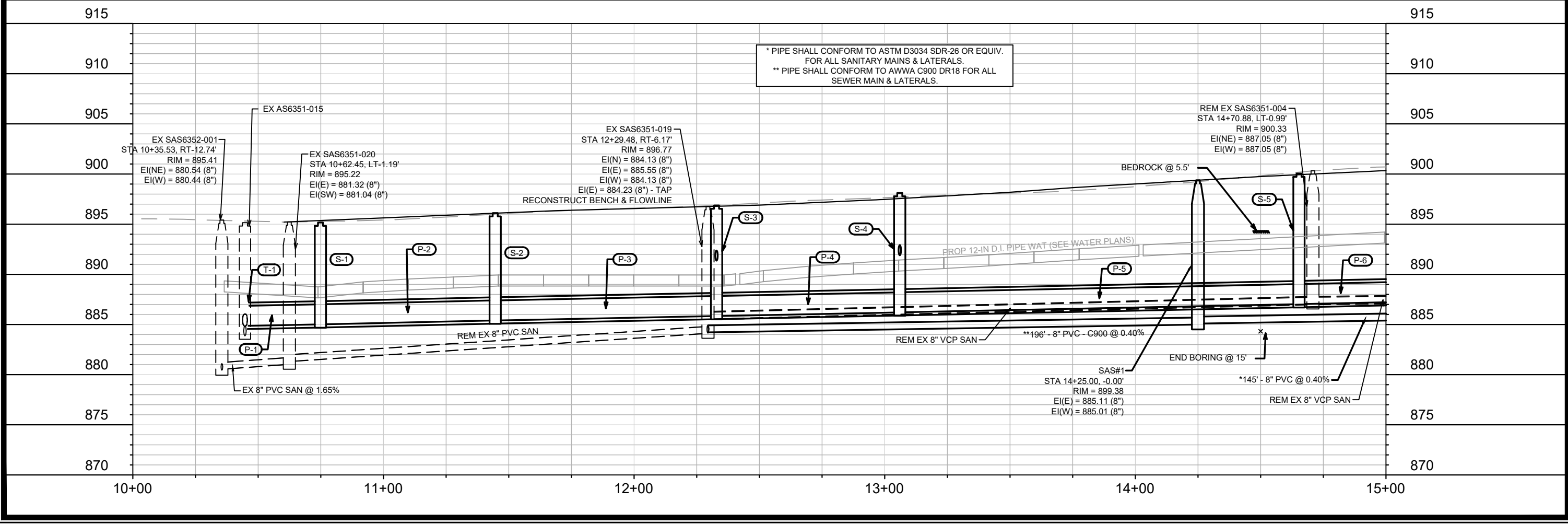
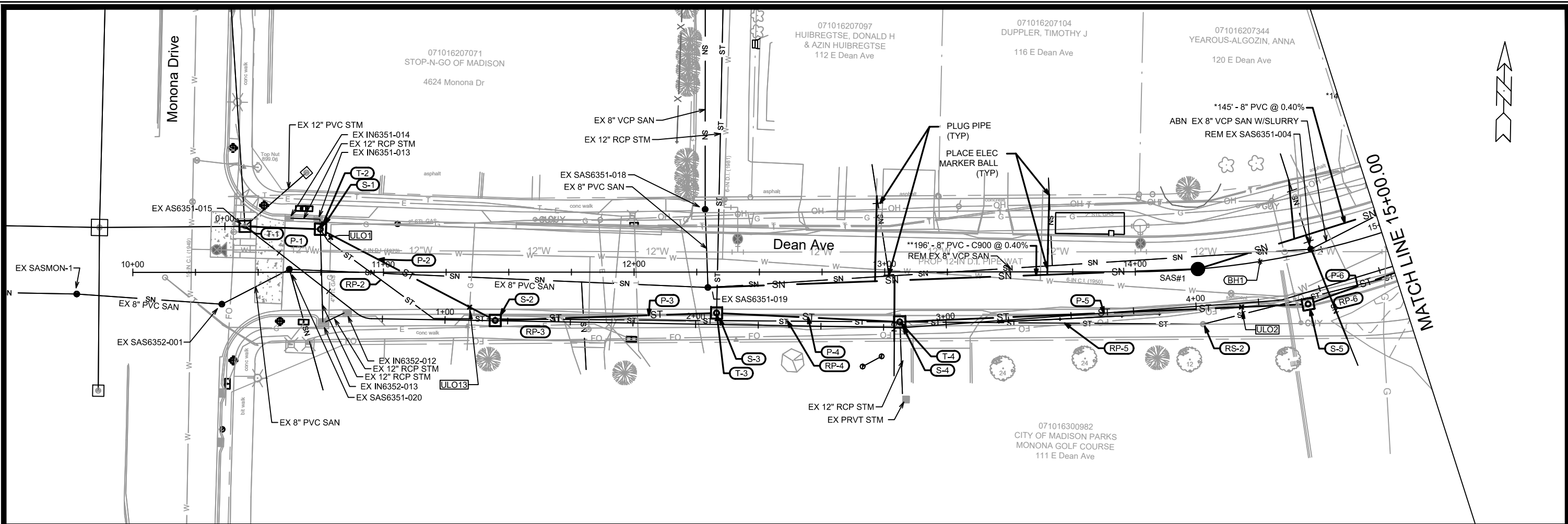
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11432
 MADISON, WI
 RECONSTRUCT 2021
 CONTRACT NO: 7838

UTILITY PLAN & PROFILE - ALLIS AVE
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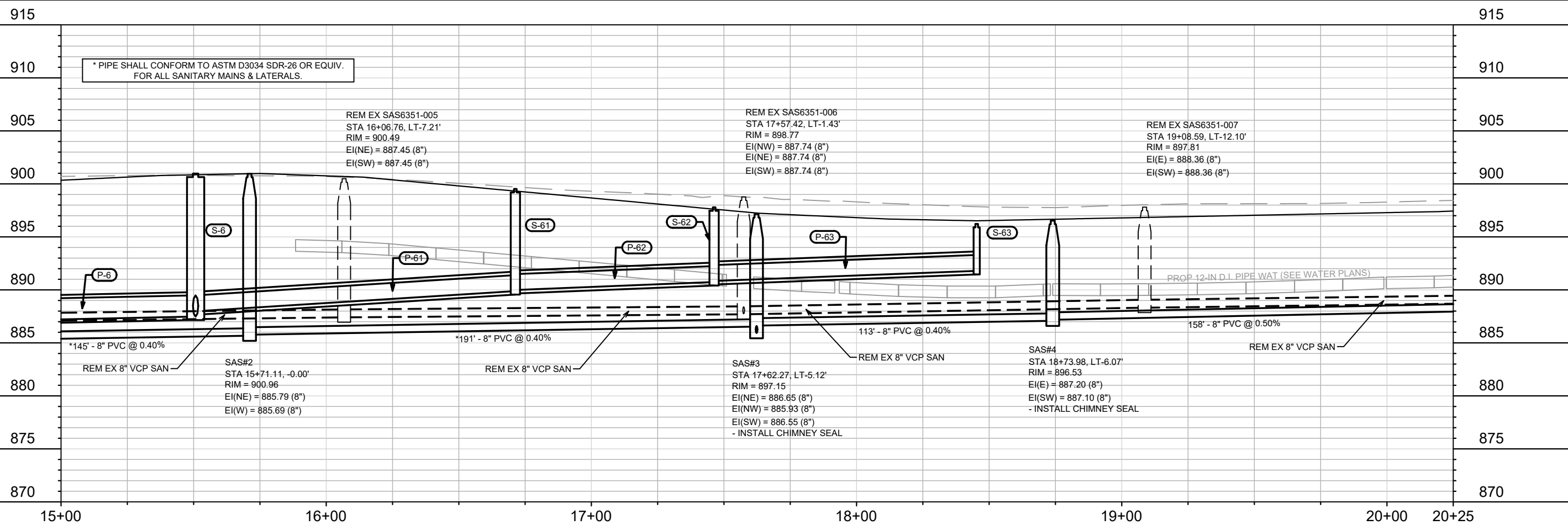
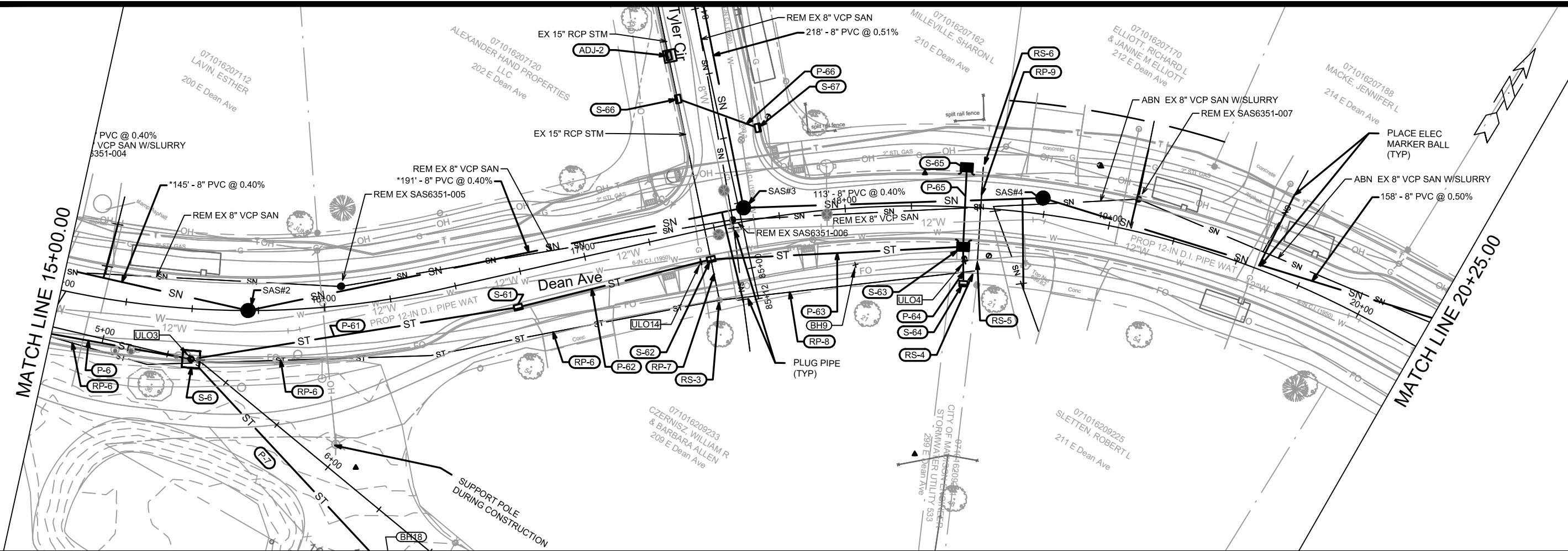
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11432
 MADISON, WI
 CONTRACT NO: 7838

UTILITY PLAN & PROFILE - E DEAN AVE
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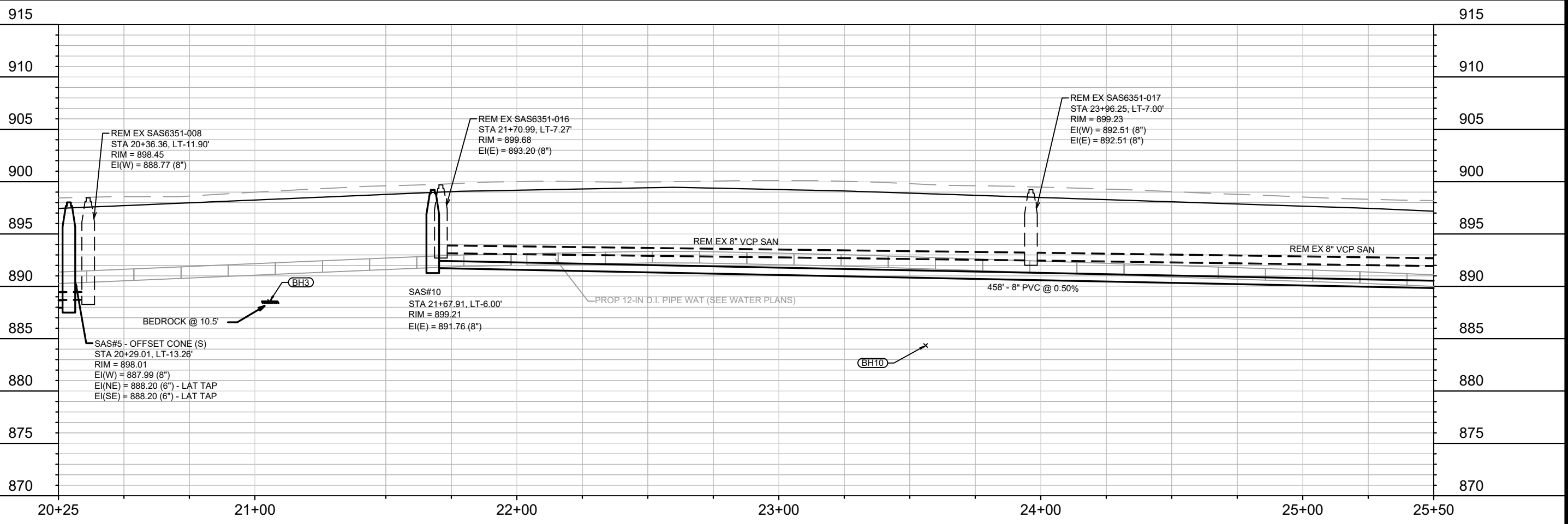
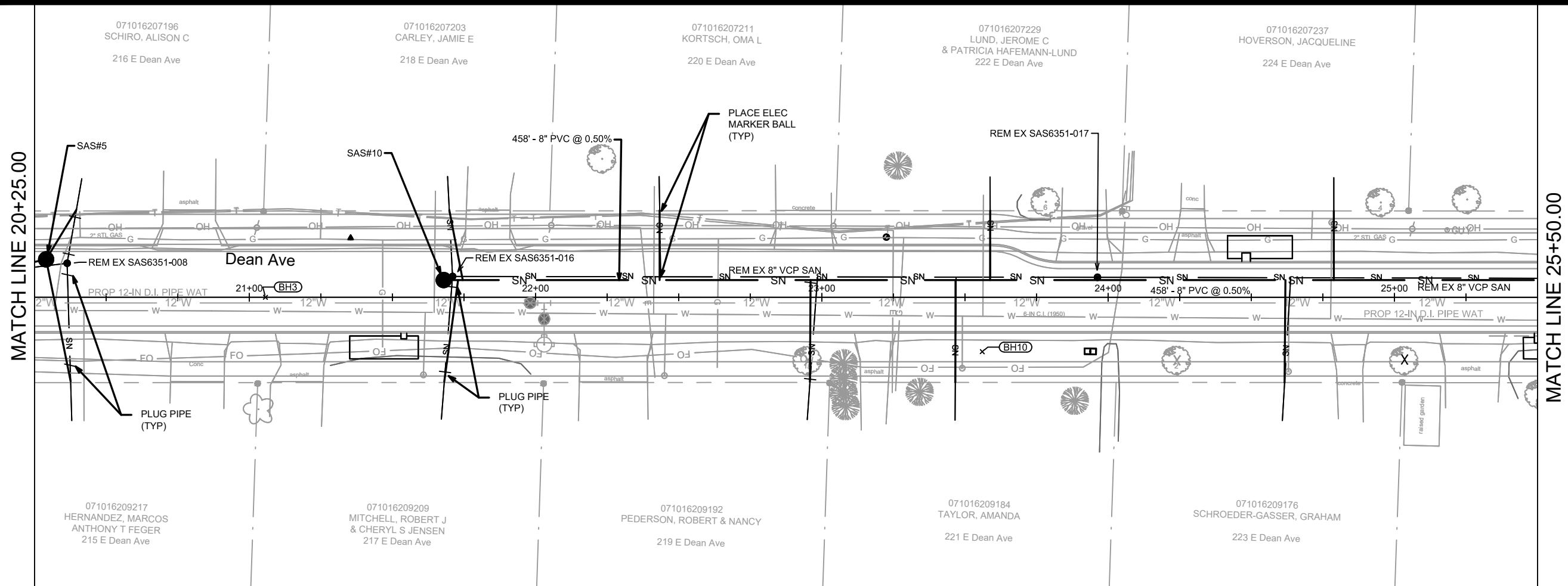
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 MADISON, WI
 CONTRACT NO: 7838

UTILITY PLAN & PROFILE - E DEAN AVE
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 MADISON, WI
 CONTRACT NO: 7838

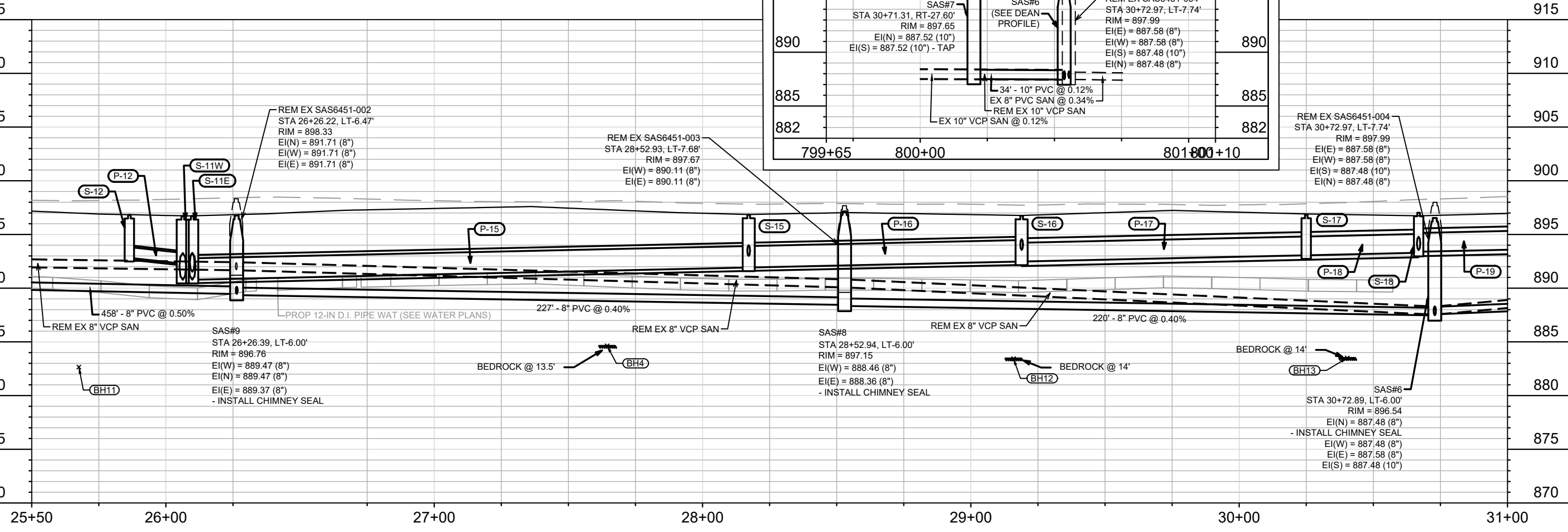
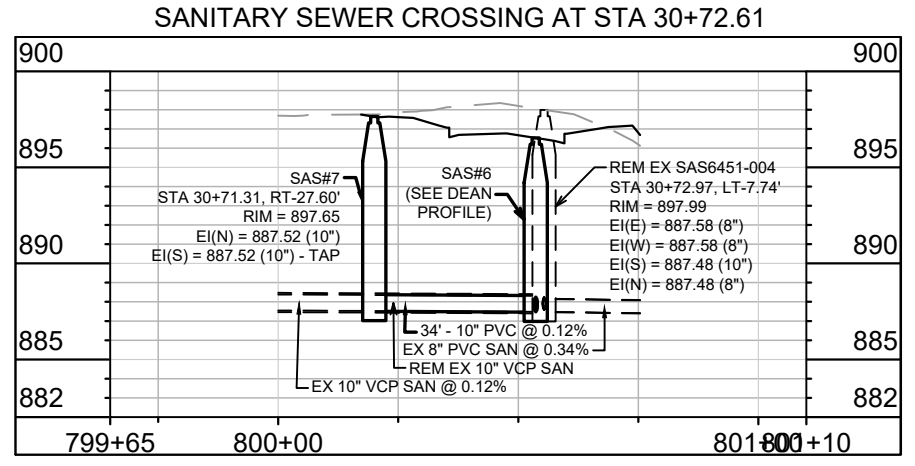
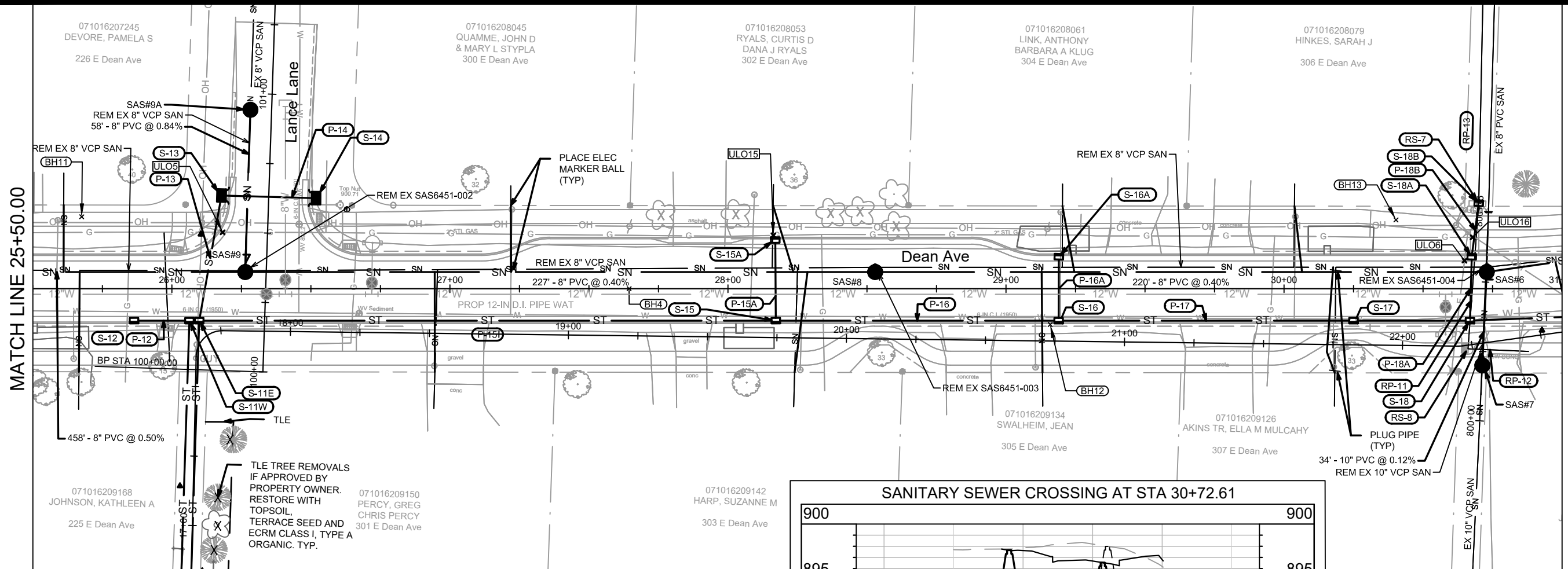
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MATCH LINE 25+50.00

MATCH LINE 31+00.00

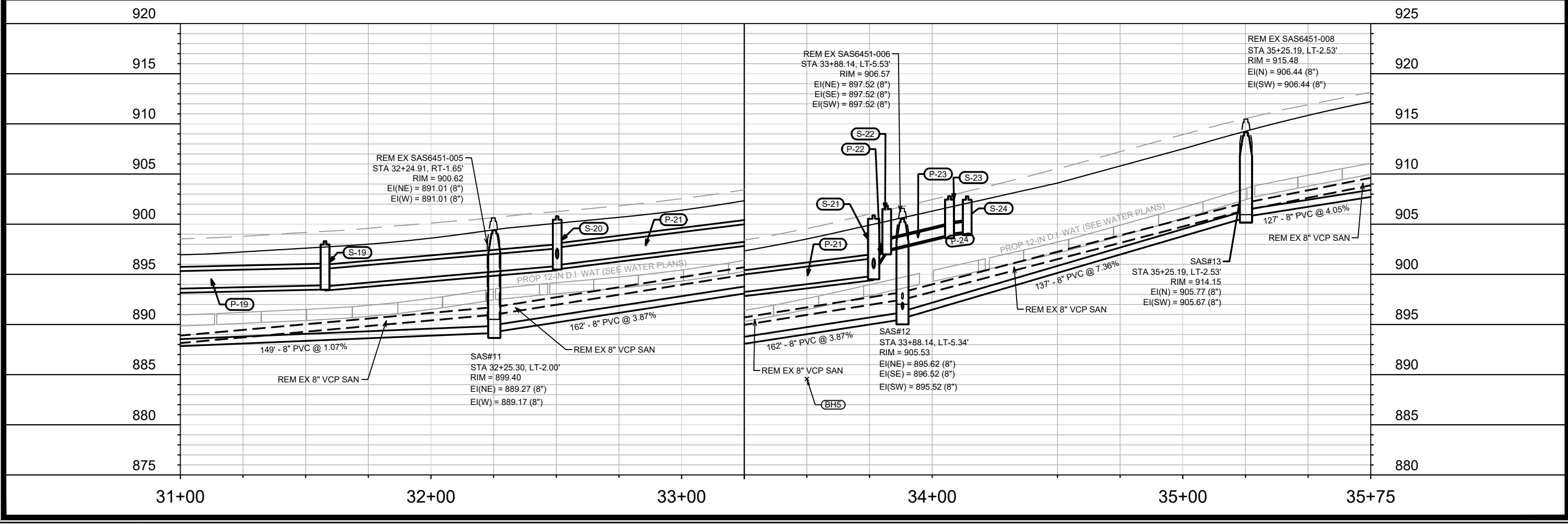
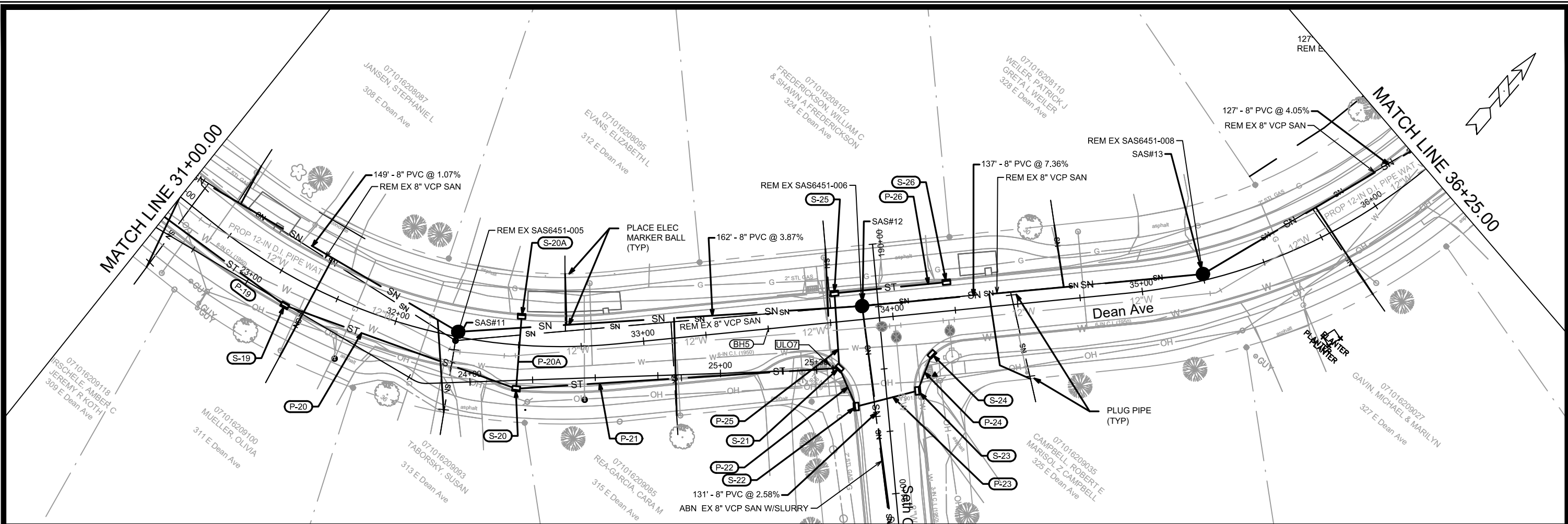


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MADISON, WI
RECONSTRUCT 2021
CONTRACT NO: 7838

UTILITY PLAN & PROFILE - E DEAN AVE
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR.

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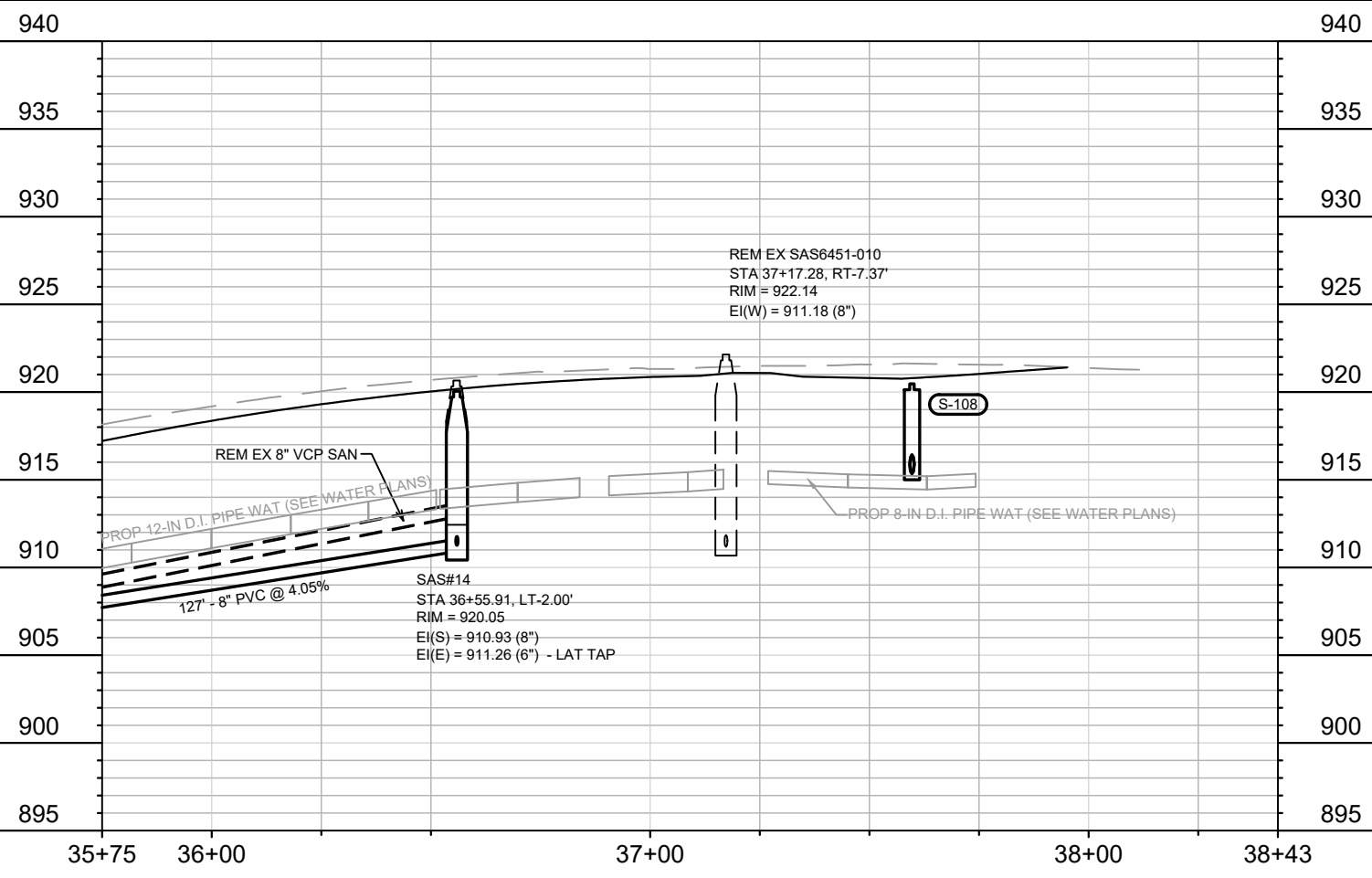
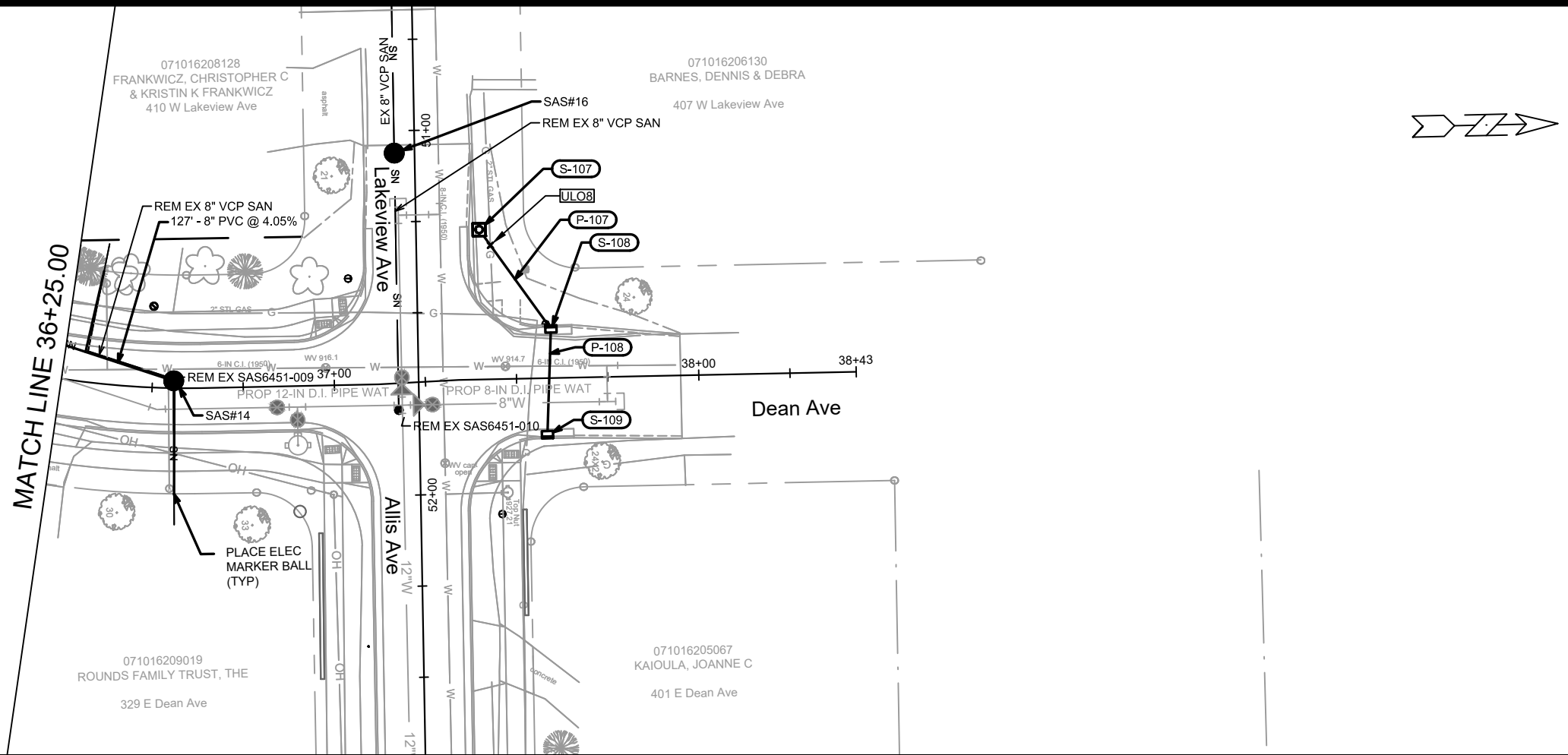


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 MADISON, WI
 RECONSTRUCT 2021
 CONTRACT NO: 7838

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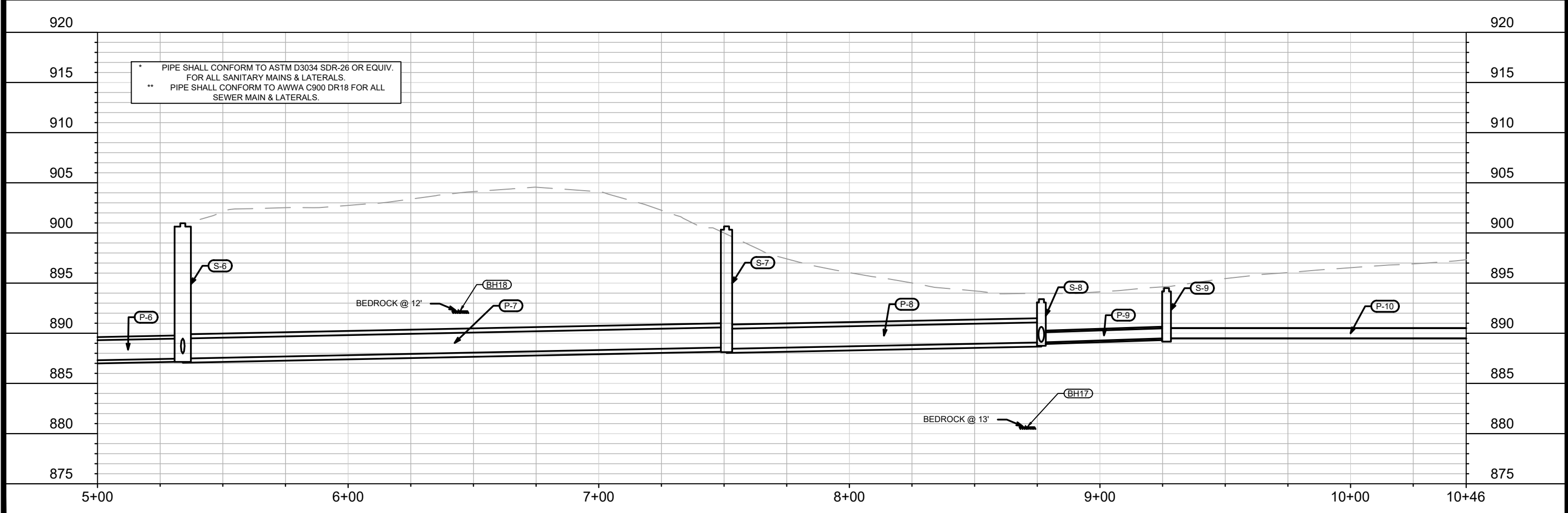
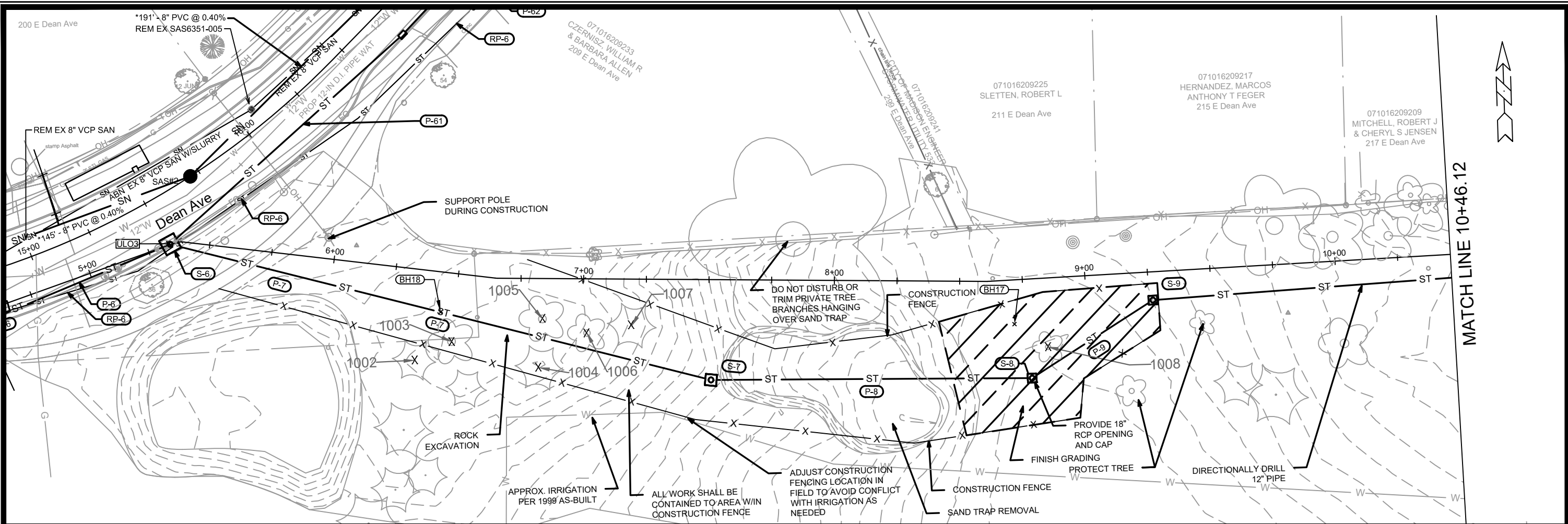


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 MADISON, WI
 RECONSTRUCT 2021
 CONTRACT NO: 7838
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR.
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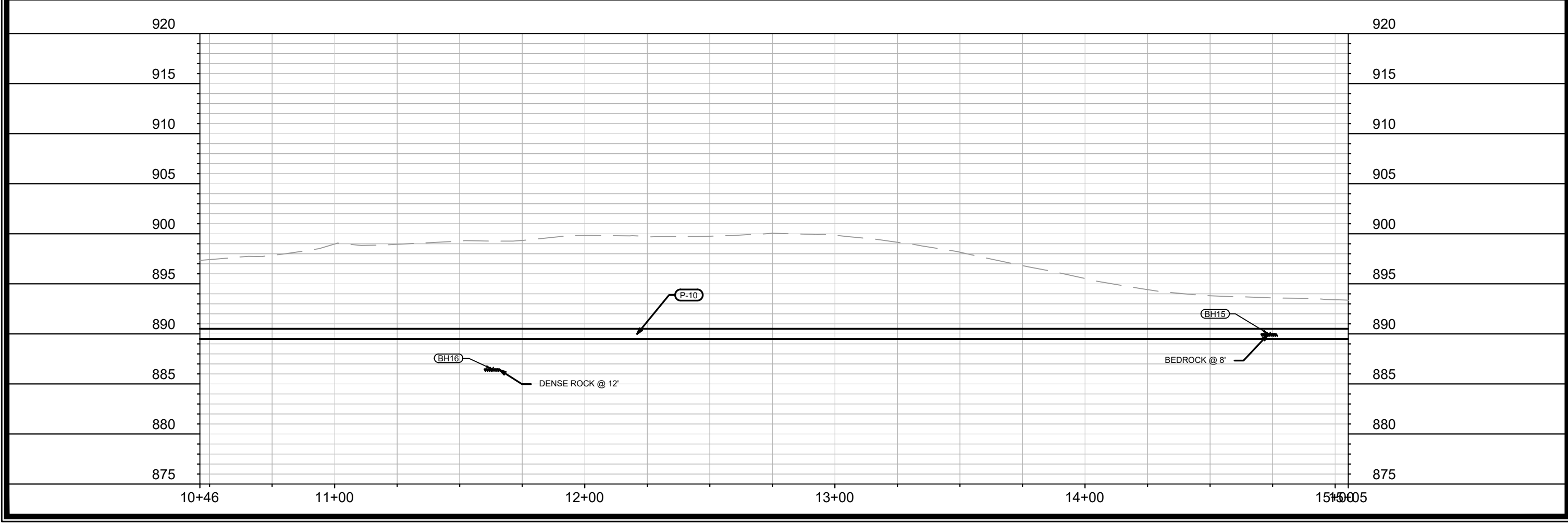
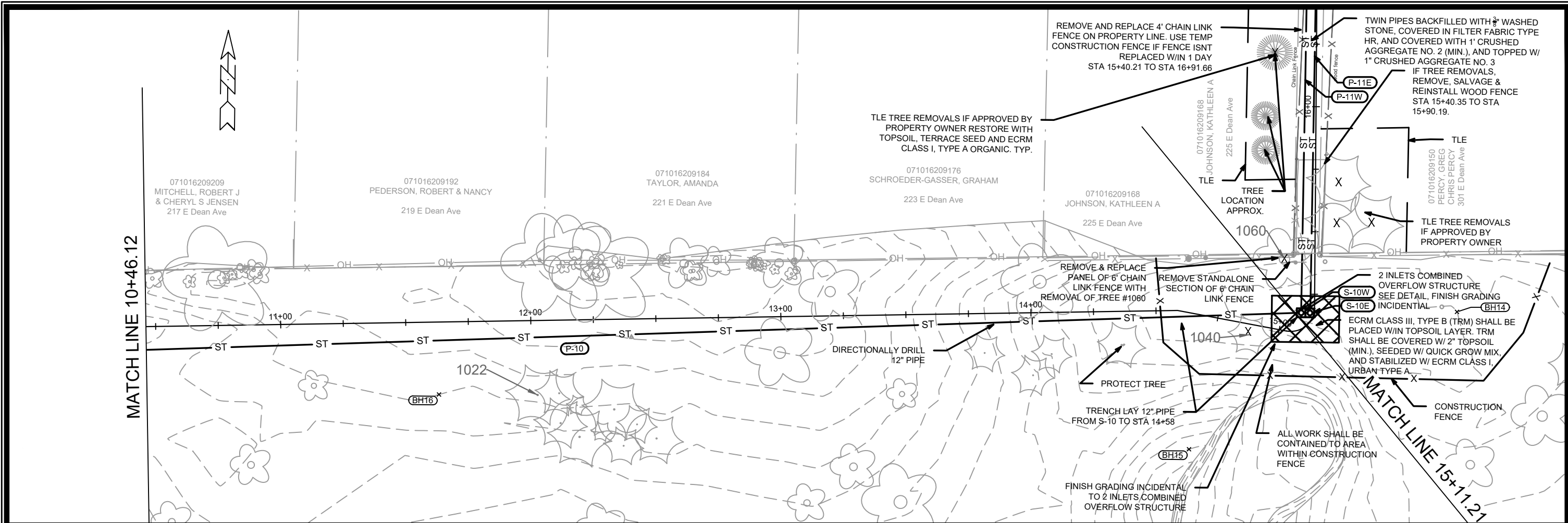


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 UTILITY PLAN & PROFILE - MONONA GOLF COURSE STORM SEWER
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
 MADISON, WI
 CONTRACT NO.: 7838
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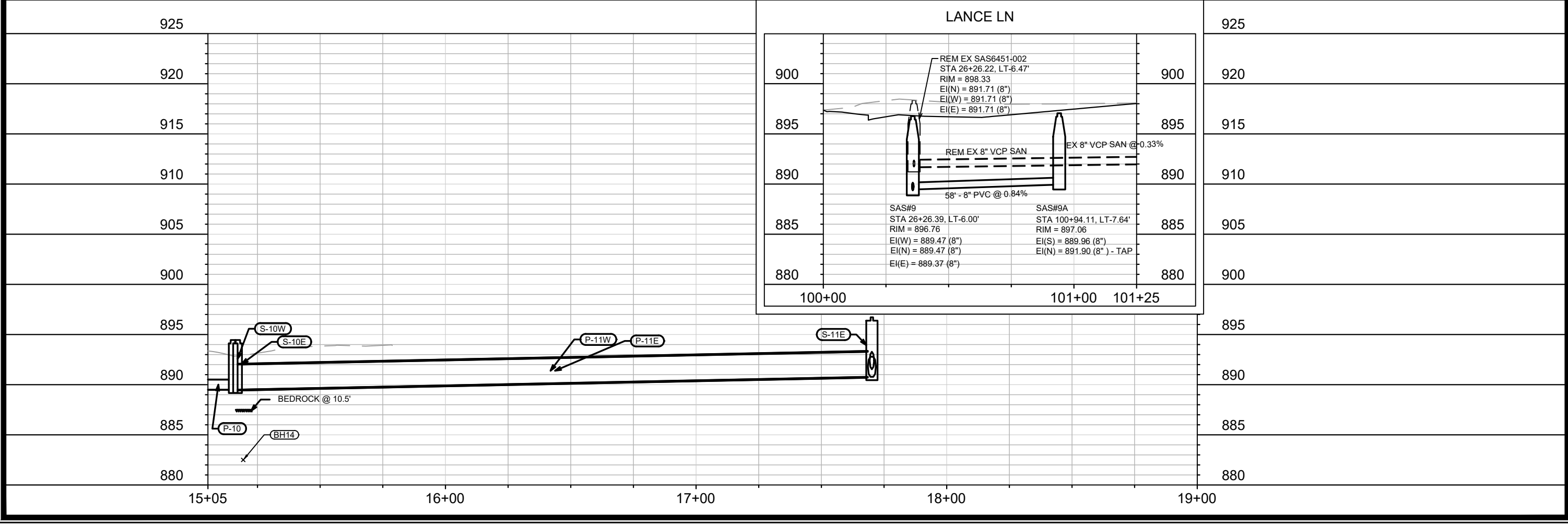
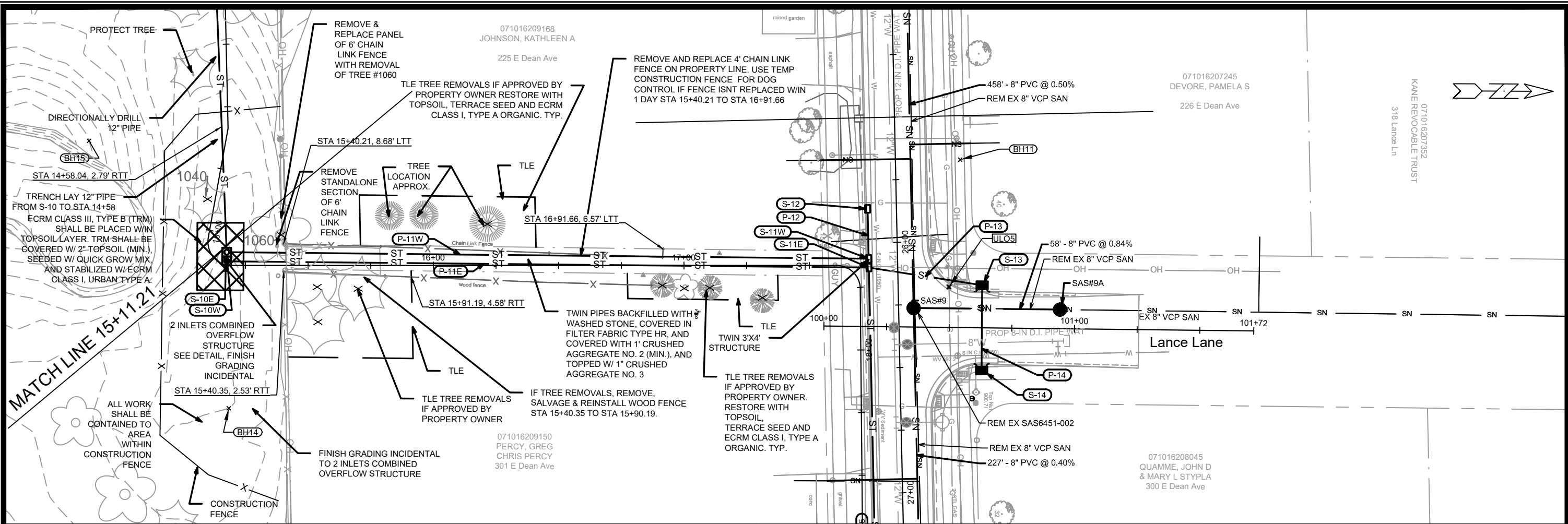
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 MADISON, WI
 RECONSTRUCT 2021
 SETH CIR. & TYLER CIR.
 CONTRACT NO: 7838
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UTILITY PLAN & PROFILE - MONONA GOLF COURSE STORM SEWER

11432

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

MADISON, WI

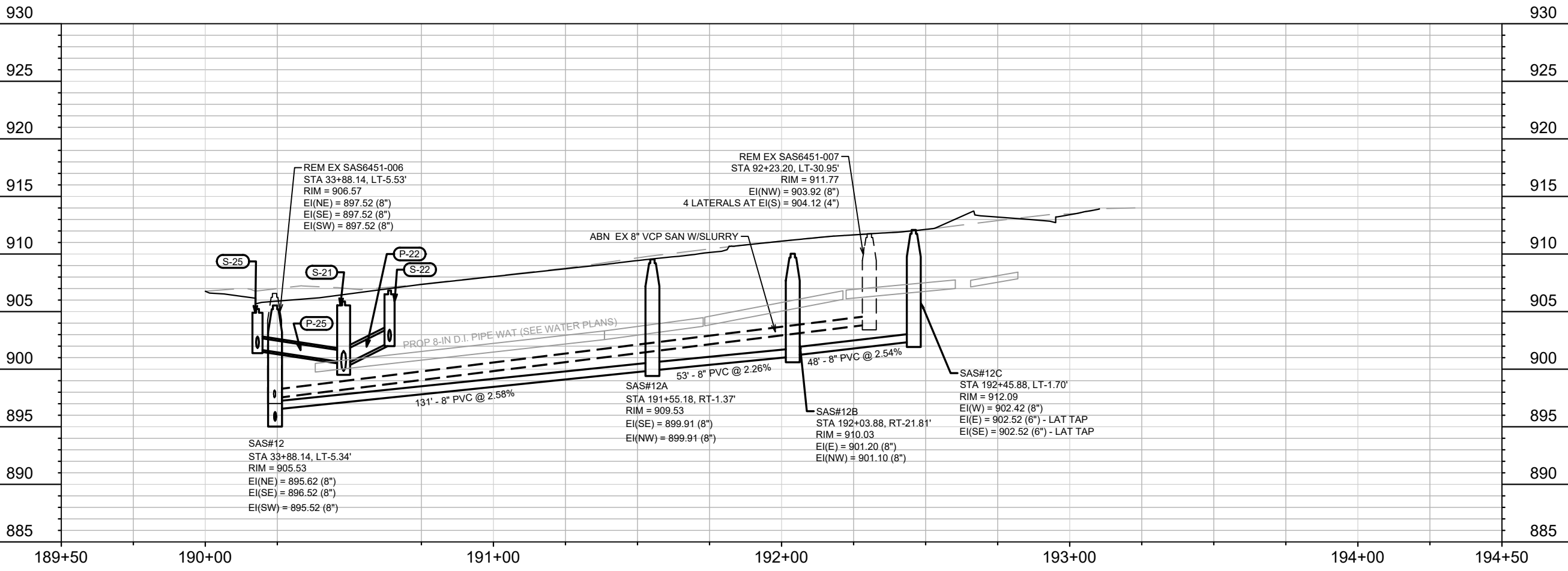
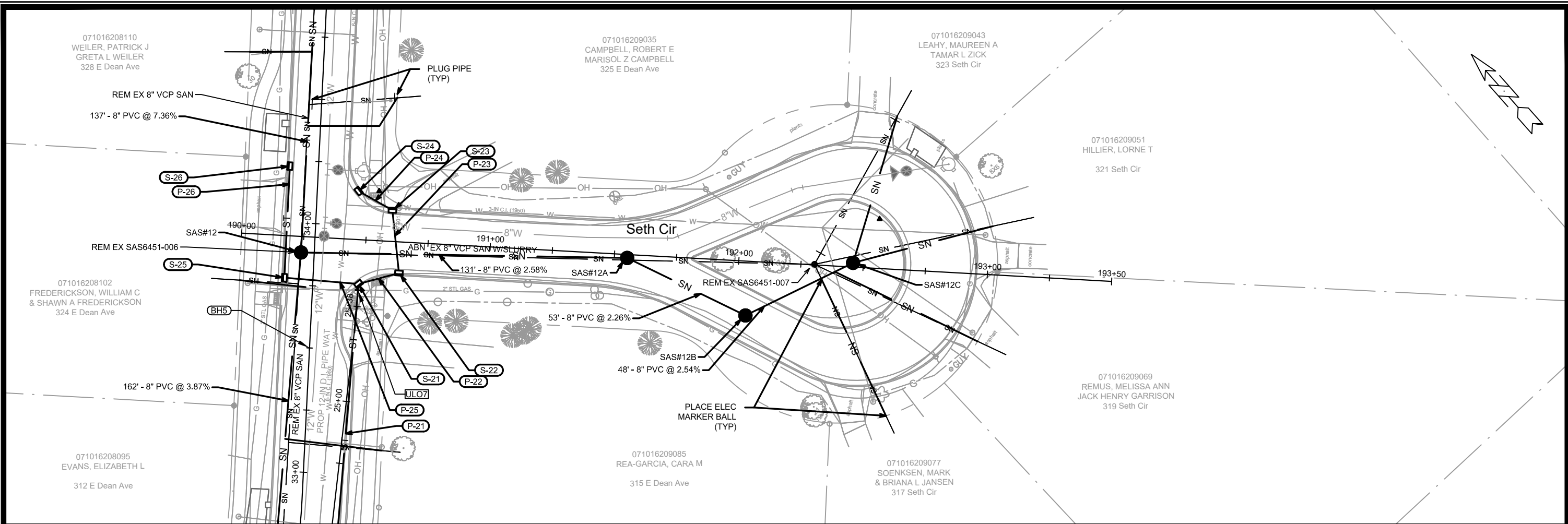
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CONTRACT NO:

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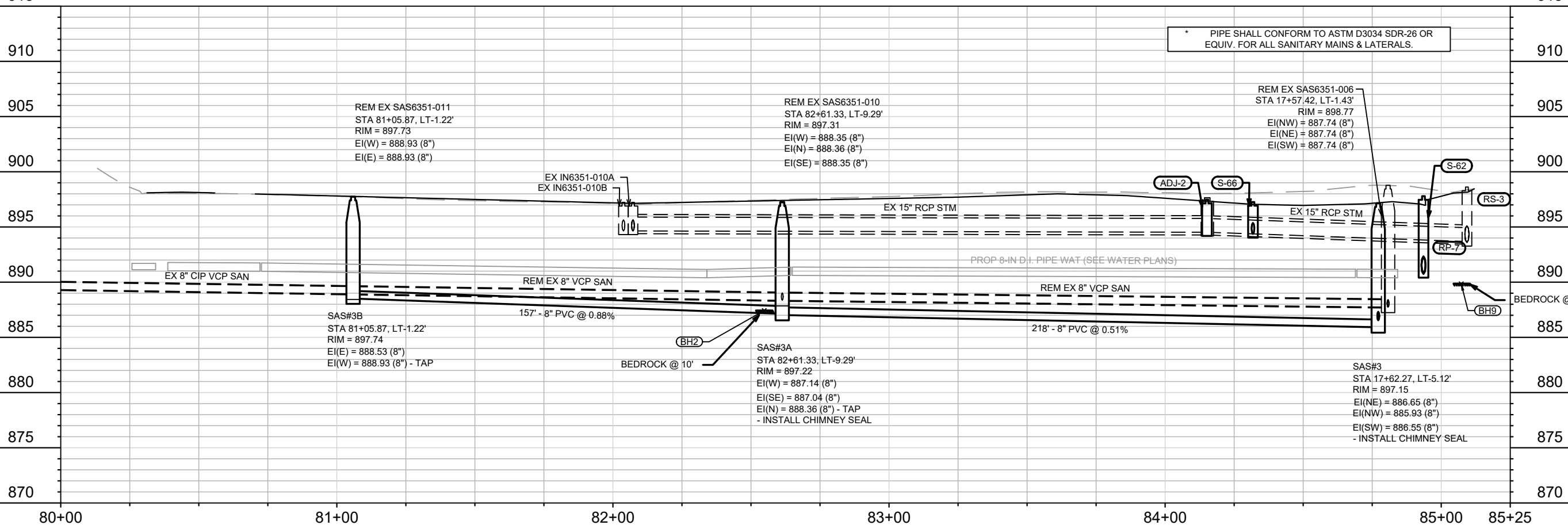
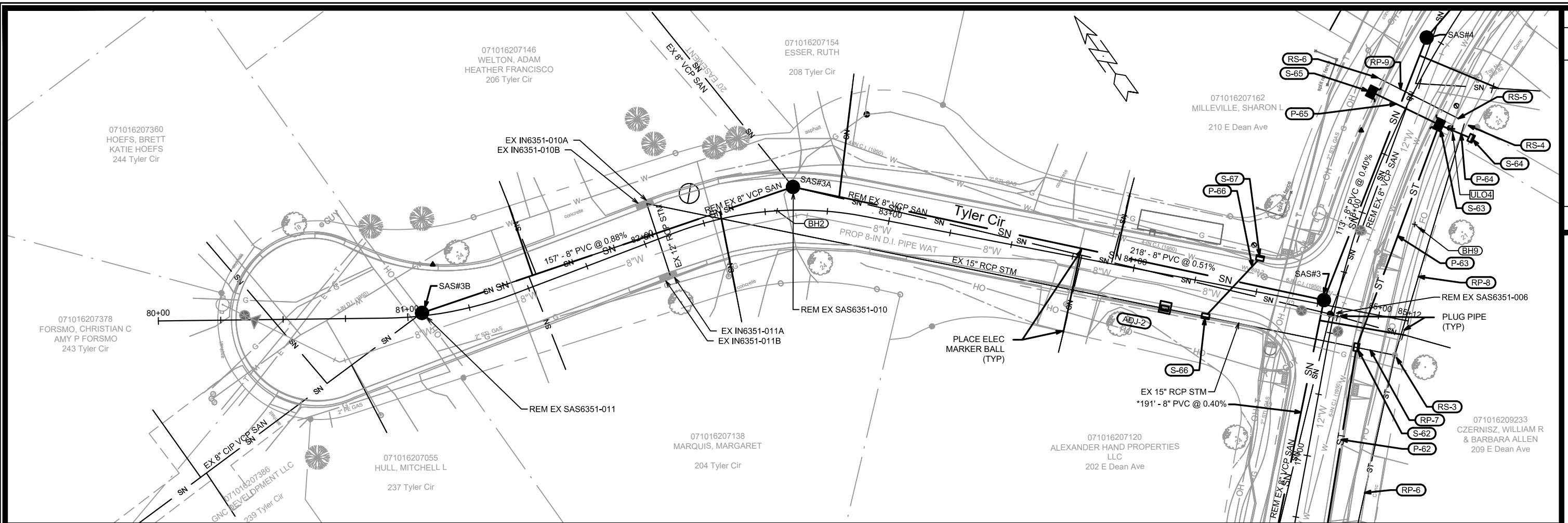
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11432
 MADISON, WI
 RECONSTRUCT 2021
 SETH CIR. & TYLER CIR.
 CONTRACT NO: 7838

11432
 U-12



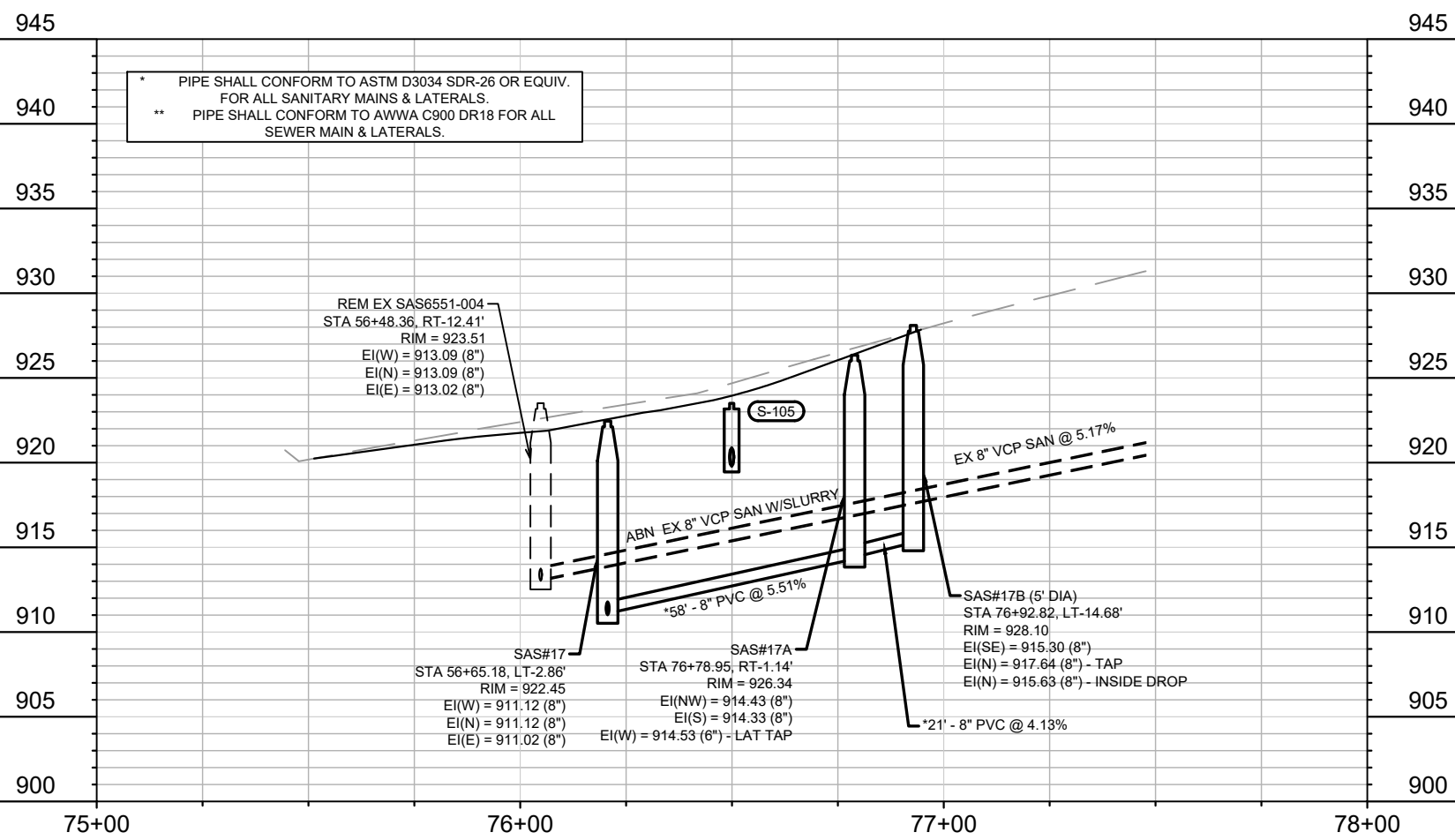
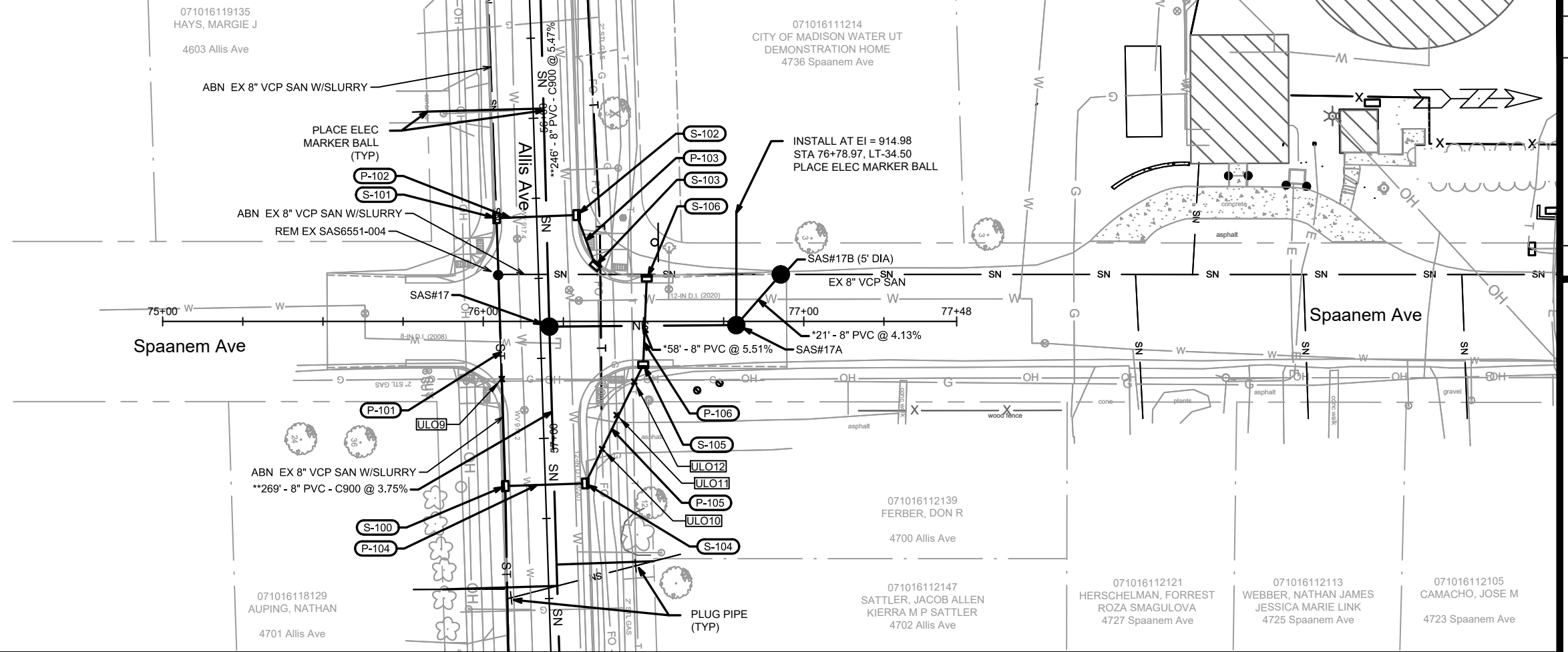
PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR ALL SANITARY MAINS & LATERALS.

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

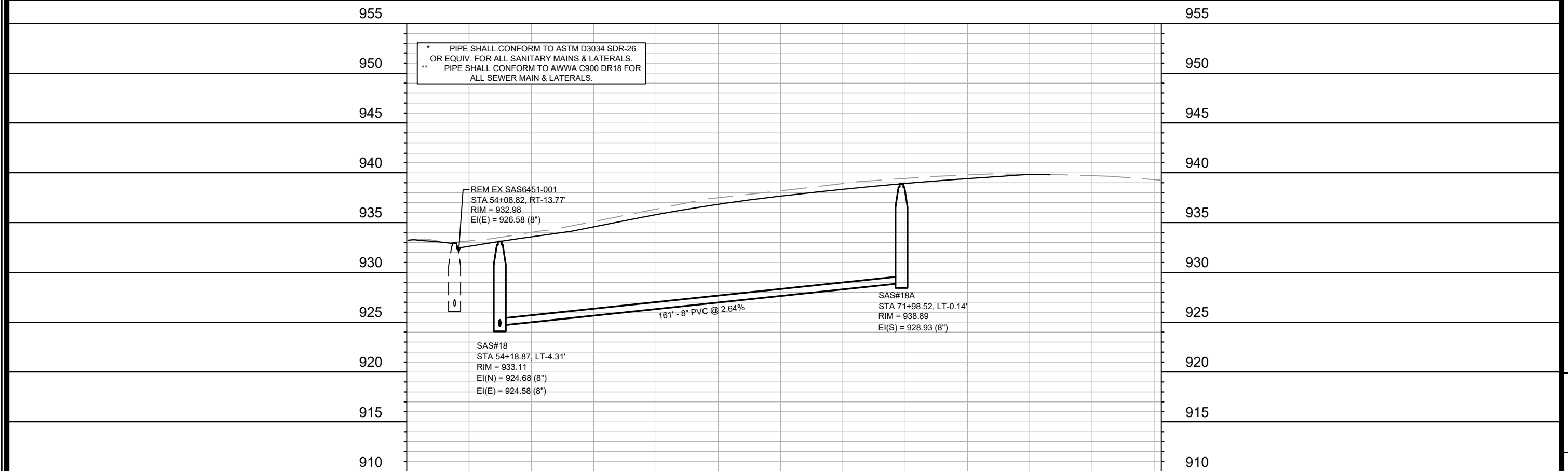
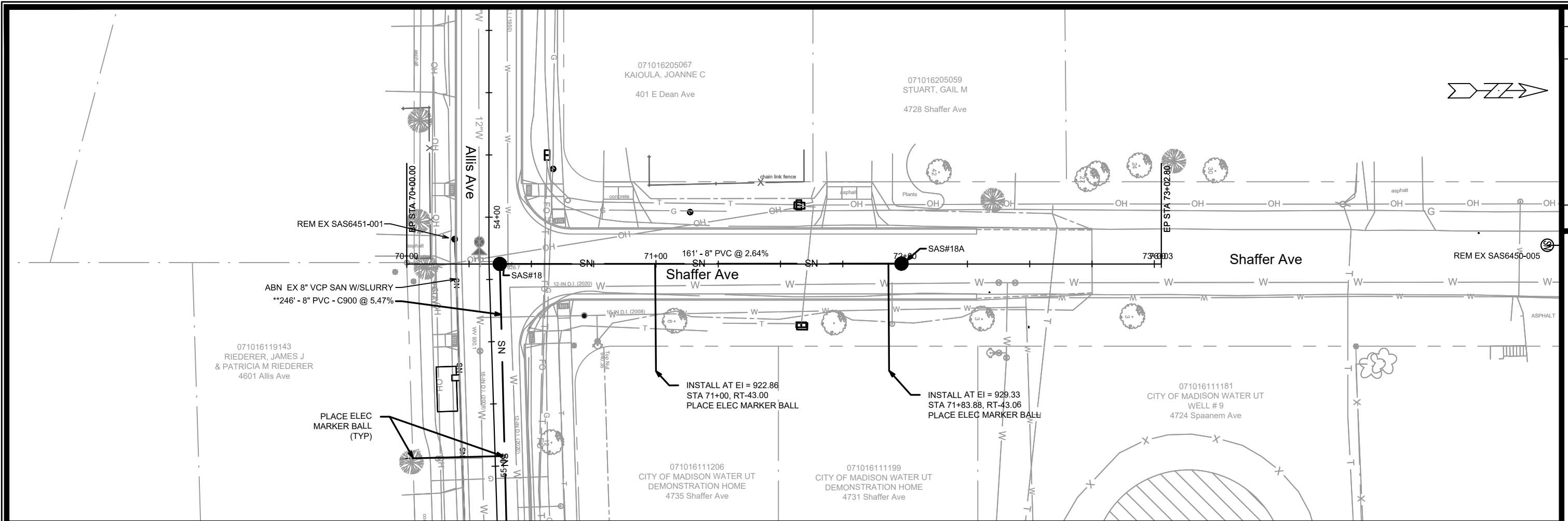
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 CONTRACT NO.:
 U-13

City of Madison Wisconsin logo

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REVISION	DATE
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MARK	11432
CONTRACT NO:	7838
UTILITY PLAN & PROFILE - SPAANEM AVE	
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021	
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CITY OF MADISON WISCONSIN	
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.

REM EX SAS6451-001
 STA 54+08.82, RT-13.77'
 RIM = 932.98
 EI(E) = 926.58 (8")

SAS#18
 STA 54+18.87, LT-4.31'
 RIM = 933.11
 EI(N) = 924.68 (8")
 EI(E) = 924.58 (8")

SAS#18A
 STA 71+98.52, LT-0.14'
 RIM = 938.89
 EI(S) = 928.93 (8")

MARK	REVISION	DATE	BY
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 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

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
E DEAN AVE						
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#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	
TYLER CIR						
SAS#3A	82+61.33	LT-9.29	897.22	887.04	10.18	(1)
SAS#3B	81+05.87	LT-1.22	897.74	888.53	9.21	
LANCE LN						
SAS#9A	100+94.11	LT-7.64	897.06	889.96	7.10	
SETH CIR						
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	
ALLIS AVE						
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	
SPAANEM AVE						
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
SHAFFER AVE						
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
E DEAN AVE								
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	FOR MAIN & LATERALS
SAS#2	SAS#3	885.79	886.55	191	0.40%	8"	SDR-26	FOR MAIN & LATERALS
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#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	887.58	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	
TYLER CIR								
SAS#3	SAS#3A	885.93	887.04	218	0.51%	8"	SDR-35	
SAS#3A	SAS#3B	887.14	888.53	157	0.88%	8"	SDR-35	
LANCE LN								
SAS#9	SAS#9A	889.47	889.96	58	0.84%	8"	SDR-35	
SETH CIR								
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	
ALLIS AVE								
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
SPAANEM AVE								
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	
SHAFFER AVE								
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
<u>E DEAN AVE</u>				
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	
<u>TYLER CIR</u>				
EX SAS 6351-011	81+05.87	LT-1.22	8.80	
EX SAS 6351-010	82+61.33	LT-9.29	8.96	
<u>SETH CIR</u>				
EX SAS 6451-007	92+23.20	LT-30.95	7.85	
<u>ALLIS AVE</u>				
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
<u>E DEAN AVE</u>								
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	
<u>TYLER CIR</u>								
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	
<u>LANCE LN</u>								
EX SAS 6451-002	SAS#8A	58	N			8"	VCP	
<u>SETH CIR</u>								
EX SAS 6451-006	EX SAS 6451-007	207	Y		207	8"	VCP	
<u>ALLIS AVE</u>								
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	
<u>SPAANEM AVE</u>								
EX SAS 6551-004	SAS#17B	88	Y		88	8"	VCP	

NOTES:

STORM SEWER SCHEDULE

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
E DEAN AVE (WEST FROM MONONA DR)							
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	
TYLER CIR							
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
MONONA GOLF COURSE							
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)
E DEAN AVE (EAST TOWARD MONONA GOLF COURSE)							
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
E DEAN AVE (WEST FROM MONONA DR)										
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	
TYLER CIR										
P-66	S-66	S-67	894.37	894.53	32	30	0.51%	12"	TYPE 1	
MONONA GOLF COURSE										
P-7	S-6	S-7	887.48	888.59	222	216	0.50%	24"	TYPE 2	
P-8	S-7	S-8	888.45	889.09	128	125	0.50%	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	
E DEAN AVE (EAST TOWARD MONONA GOLF COURSE)										
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) XXXXXXXX FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO XXXXXX@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

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
E DEAN AVE (EAST TOWARD MONONA GOLF COURSE)							
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
LANCE LN							
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
ALLIS AVE							
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
E DEAN AVE					
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
TYLER CIR							
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
E DEAN AVE				
ULO1	10+78.95	LT-13.91	GAS	
ULO2	14+40.31	RT-16.94	FO	
ULO3	15+50.42	RT-18.52	FO	
ULO4	18+44.83	RT-19.80	FO	
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
E DEAN AVE (EAST TOWARD MONONA GOLF COURSE)										
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	
LANCE LN										
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	
ALLIS AVE										
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
E DEAN AVE							
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

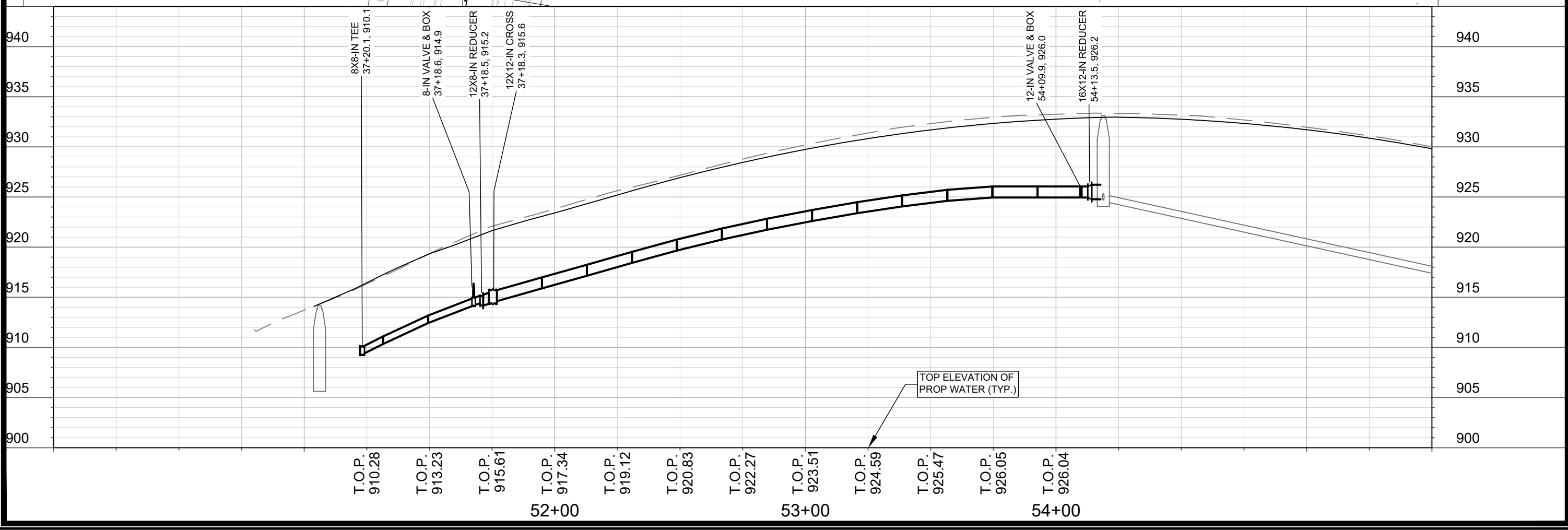
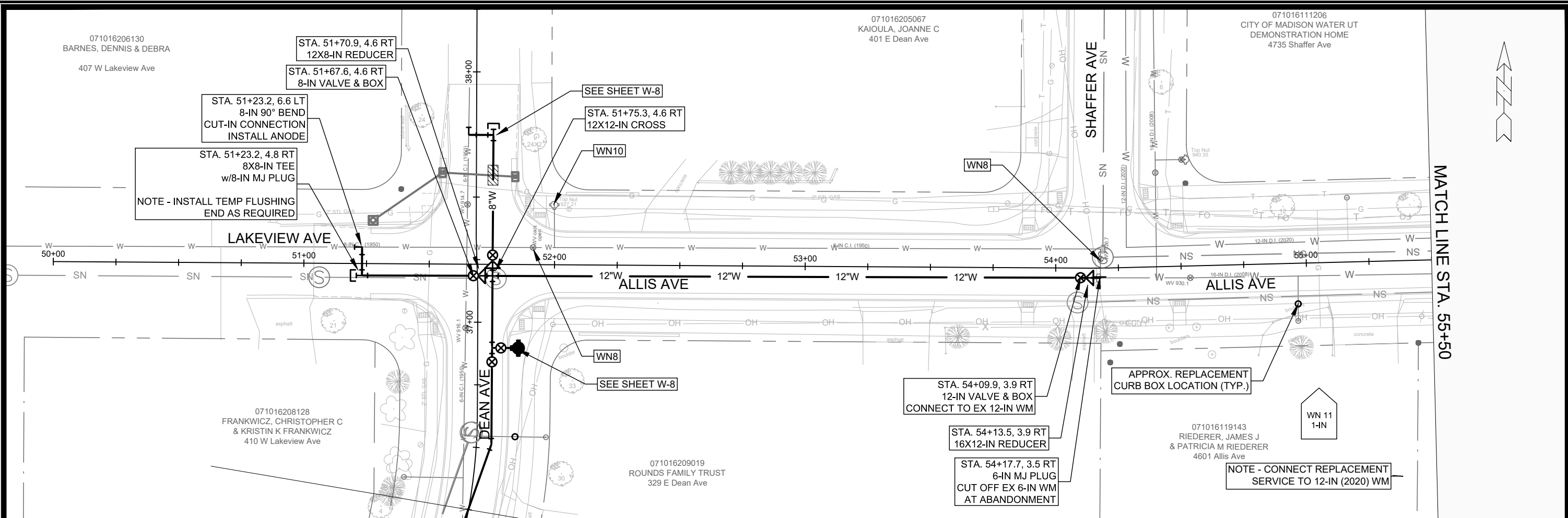
EASEMENT AT 308 E DEAN

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
E DEAN AVE				
ULO16	30+67.81	LT-18.49	GAS	
ALLIS AVE				
ULO9	56+80.85	RT-12.68	GAS	
ULO10	56+80.85	RT-12.68	FO	
ULO11	56+93.44	LT-22.96	GAS	
ULO12	56+83.36	LT-28.92	TEL	

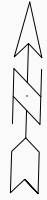
SPECIFIC NOTES:



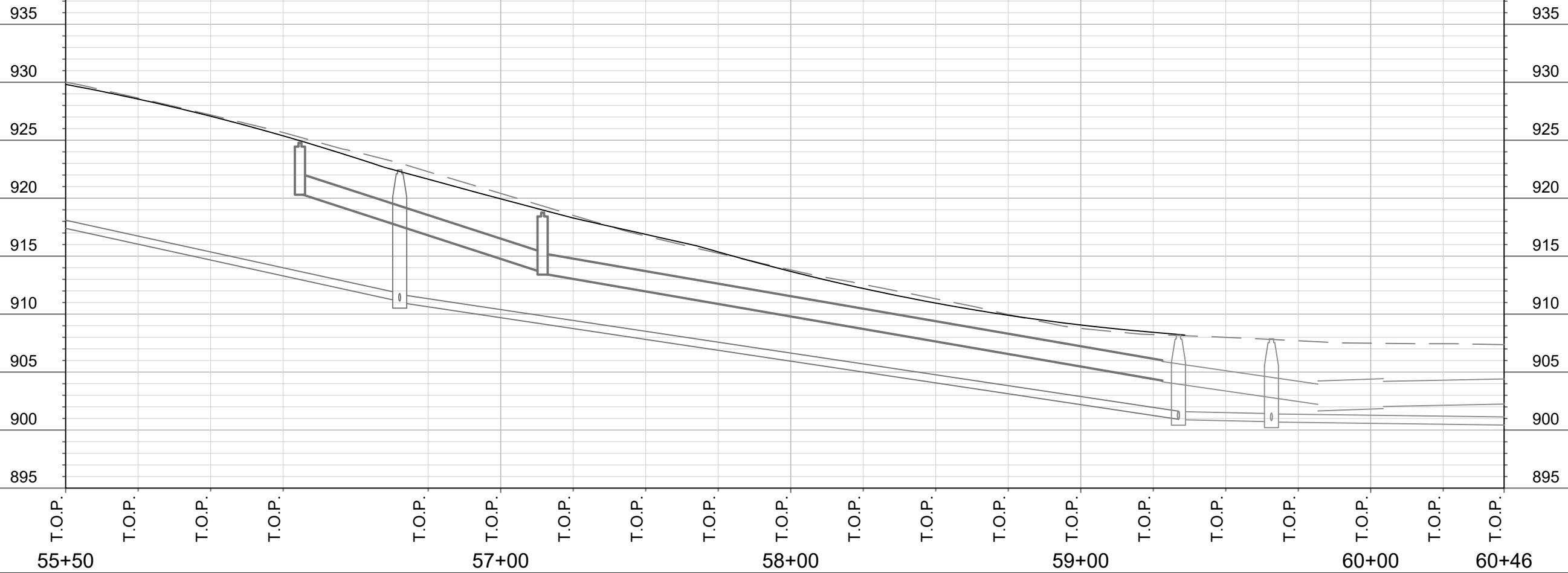
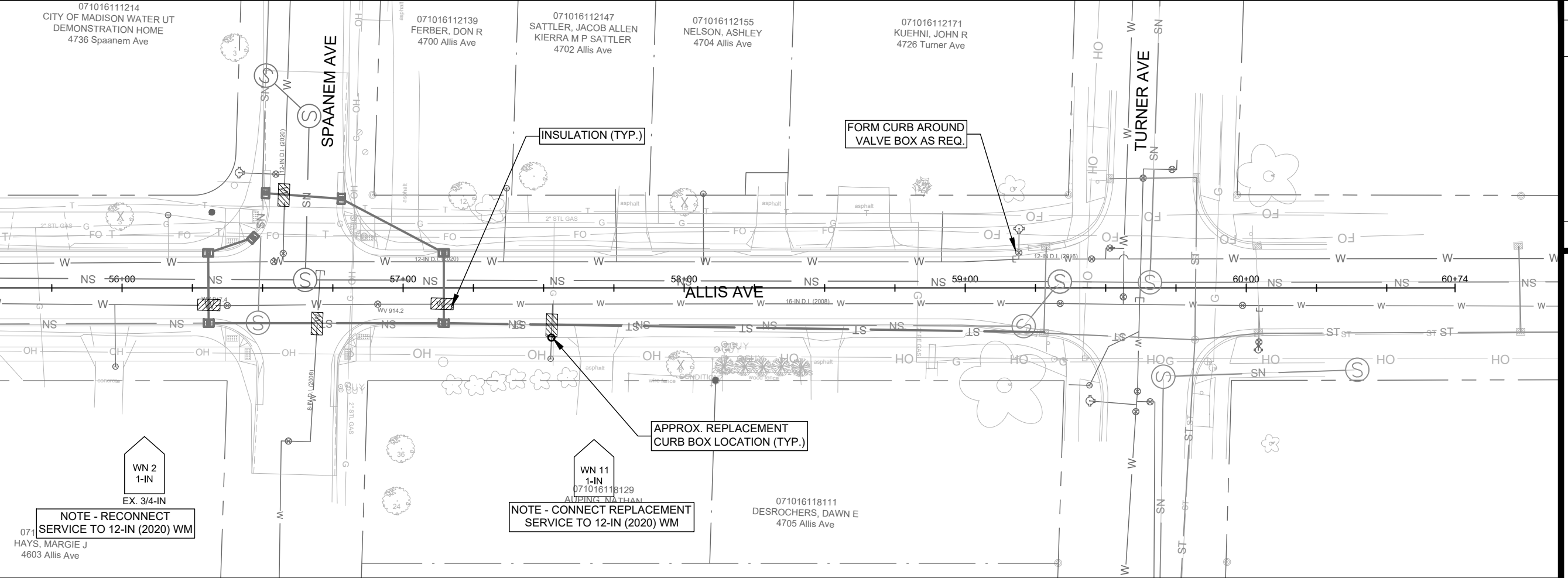
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WATER PLAN AND PROFILE - ALLIS AVE	MADISON, WI	BY
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021	7838	DATE
DESIGNED BY: PEH	11432	REVISION
DATE: 4/15/2021	11432	Scale: #####
12:59 PM	11432	W-1

11432

W-1



MATCH LINE STA. 55+50

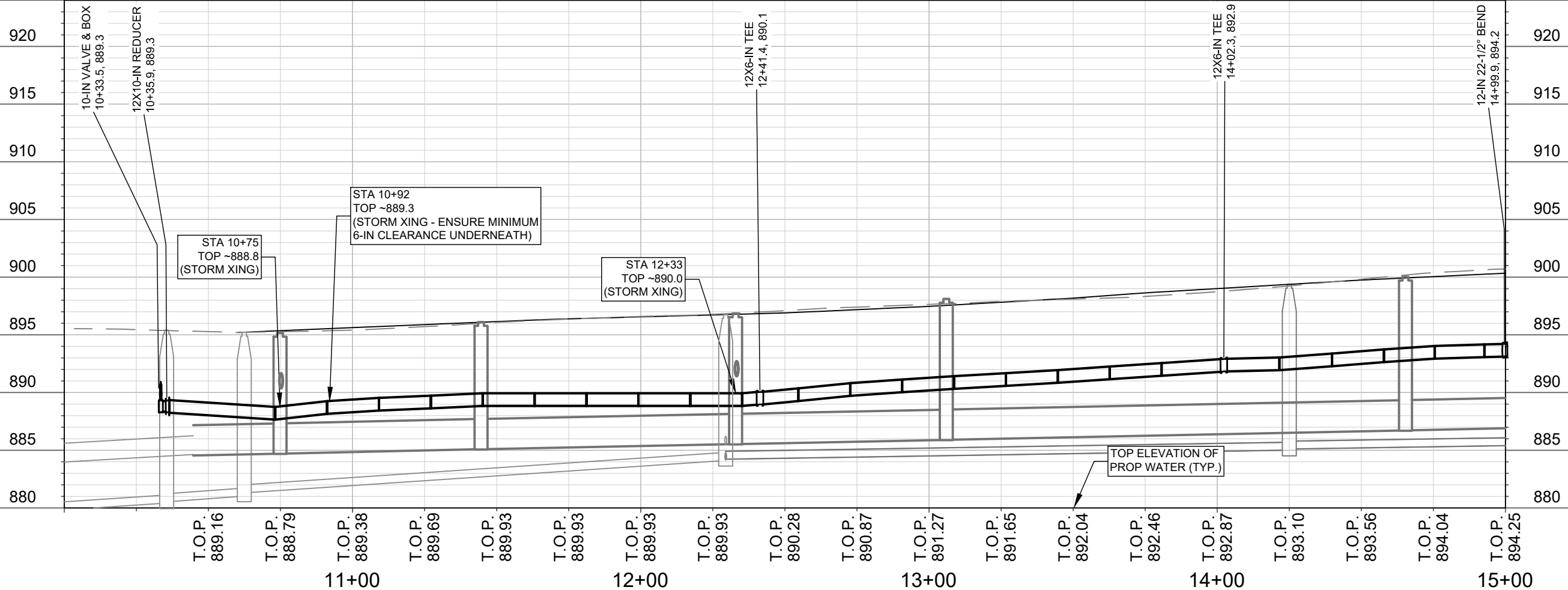
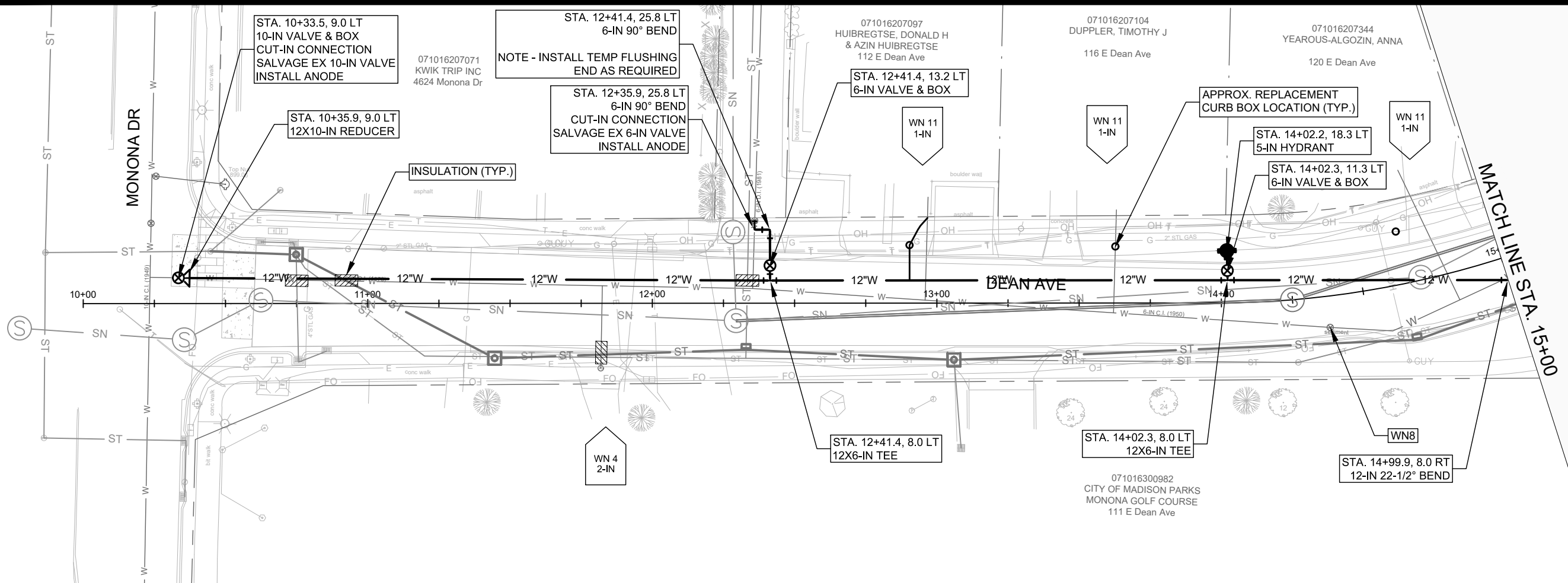


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11432
WATER PLAN AND PROFILE - ALLIS AVE
E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
MADISON, WI
CONTRACT NO.: 7838
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11432
W-2



MARK	REVISION	DATE	BY

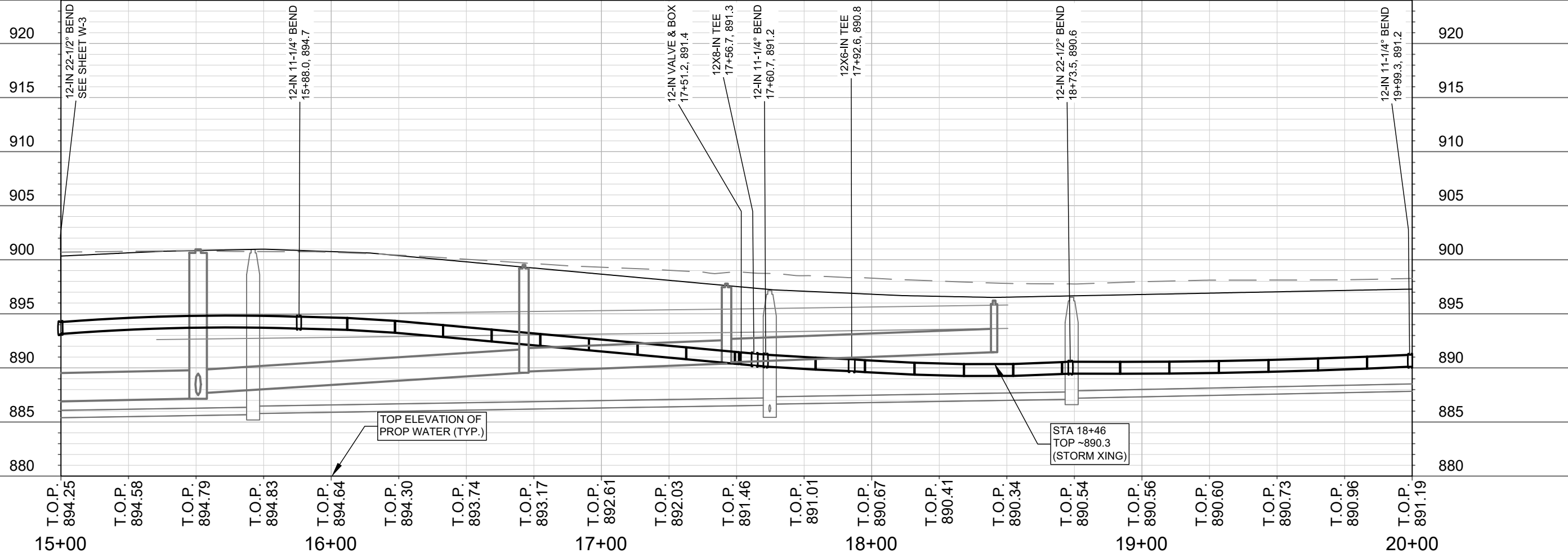
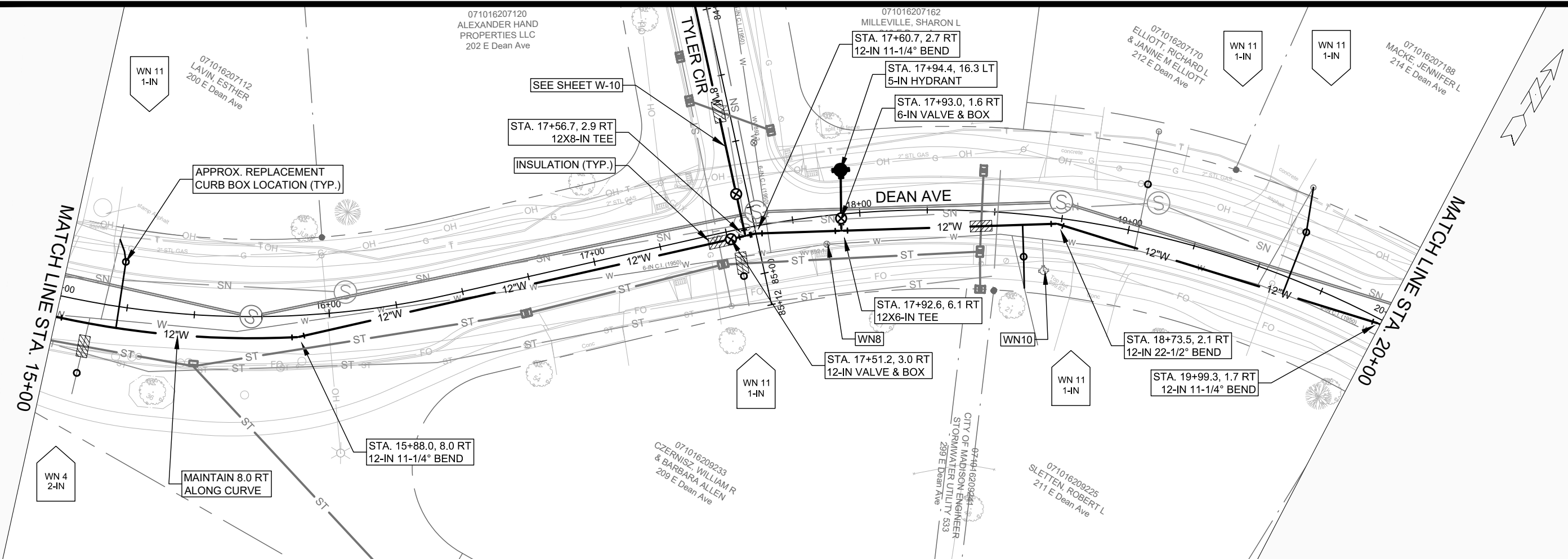
11432
 MADISON, WI
 CONTRACT NO: 7838

WATER PLAN AND PROFILE - DEAN AVE
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
 (I:\server\data\DESIGN\Projects\11432\CSD\Water\11432WU-Water.dwg)



11432
 W-3

Scale: #####
 Date: 4/15/2021 1:00 PM
 11432
 W-3



MARK	REVISION	DATE	BY

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

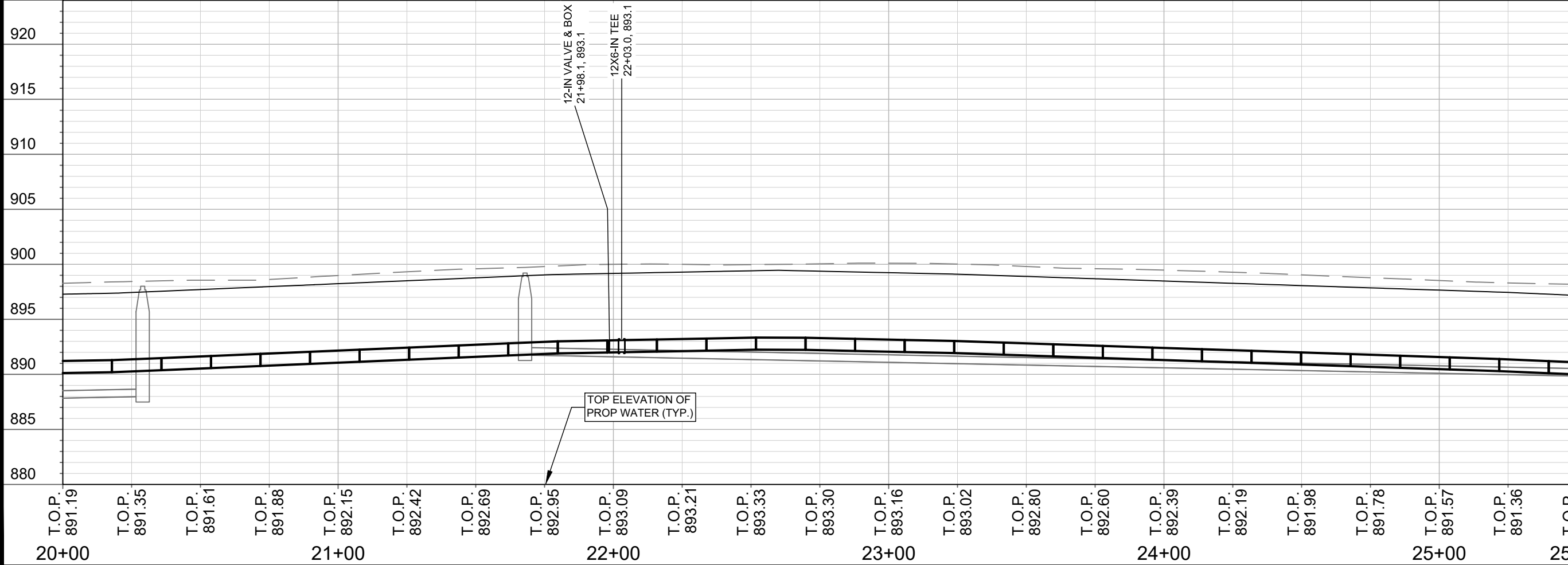
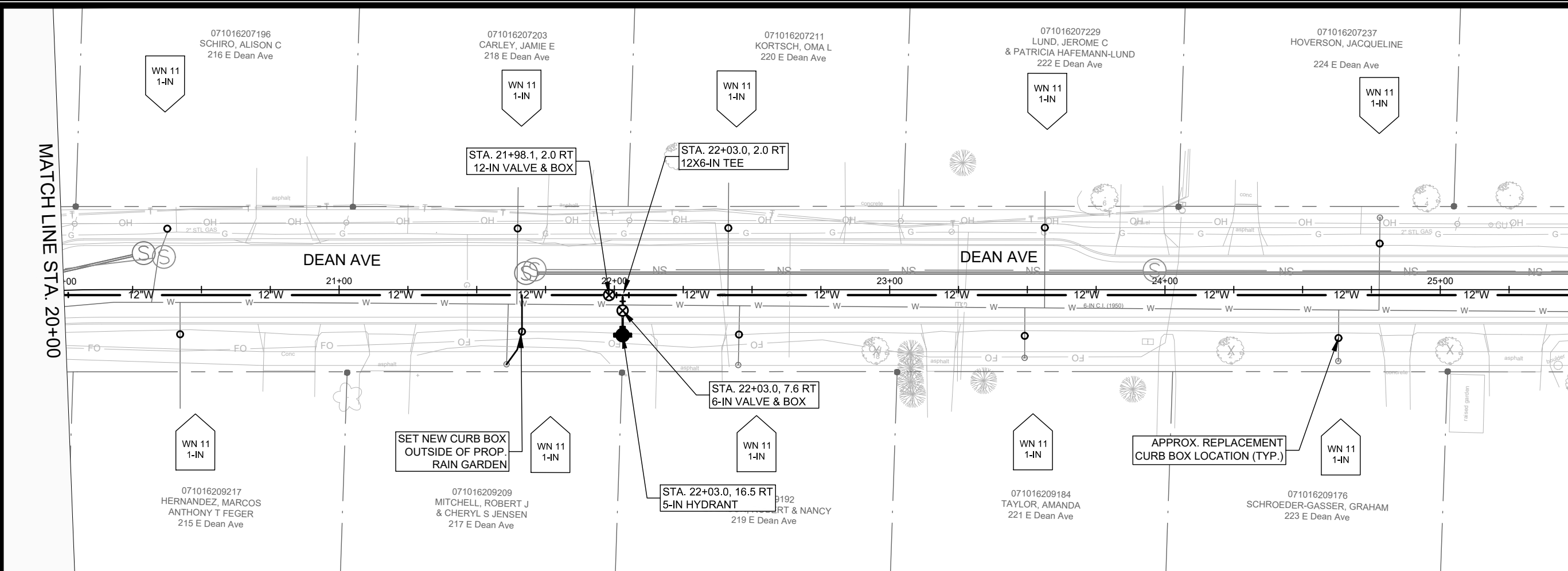
WATER PLAN AND PROFILE - DEAN AVE
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
 11432
 W-4



11432
 W-4

MATCH LINE STA. 20+00

MATCH LINE STA. 25+50



MARK	REVISION	DATE	BY
11432	11432	4/15/2021 1:00 PM	PEH

11432
 MADISON, WI
 7838
 CONTRACT NO:

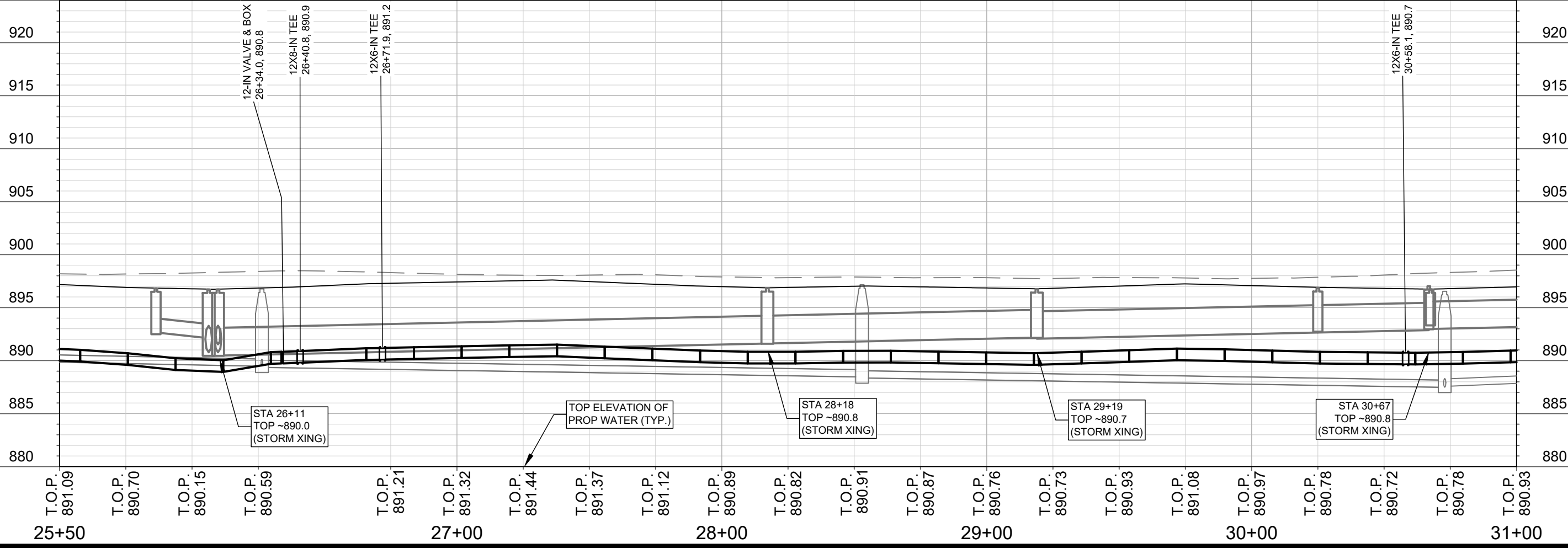
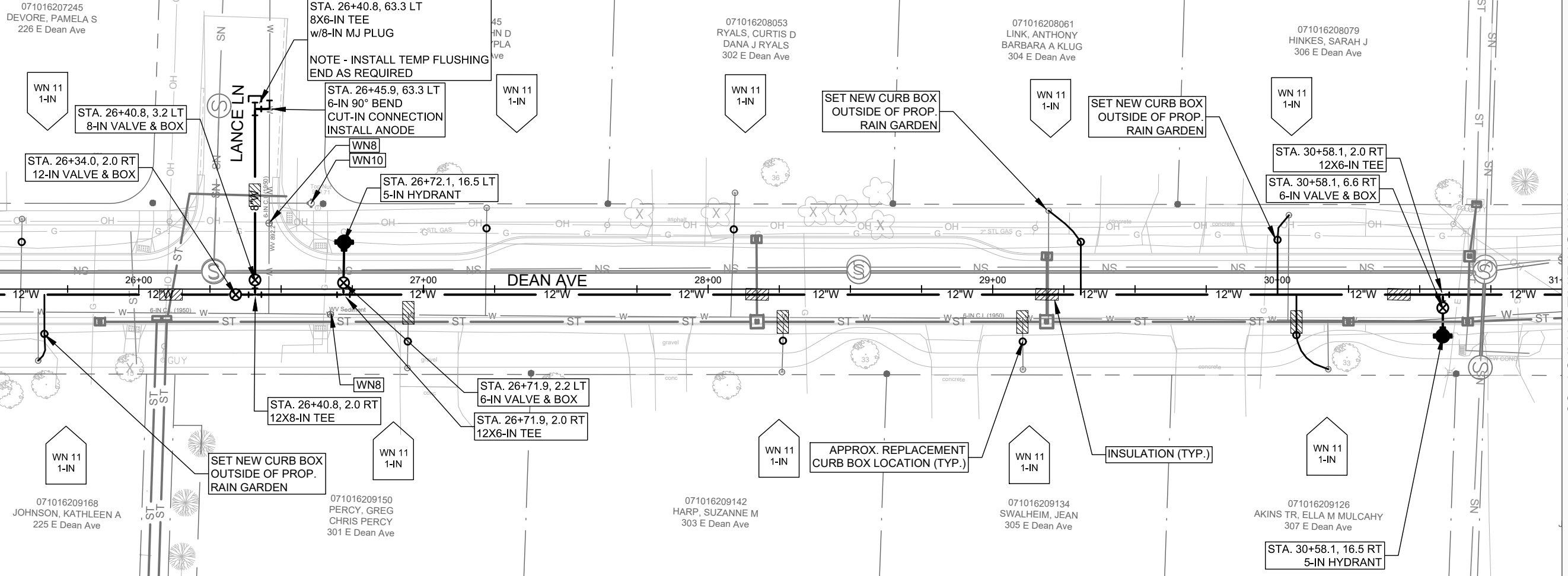
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11432
 W-5

MATCH LINE STA. 25+50

MATCH LINE STA. 31+00

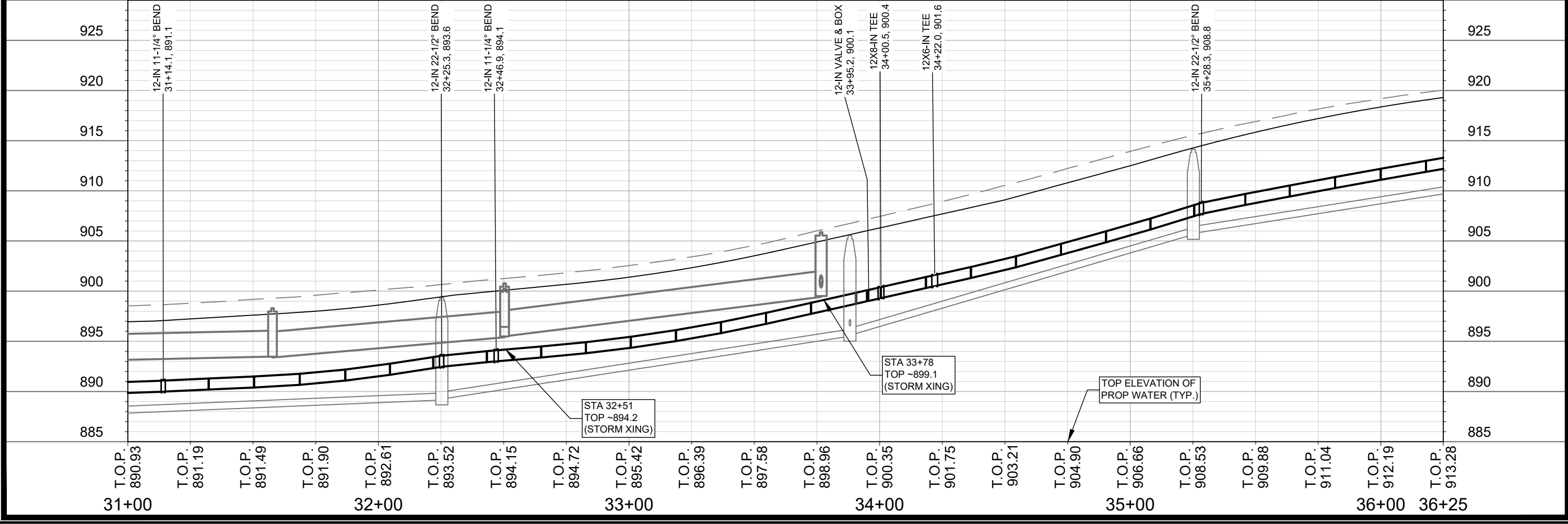
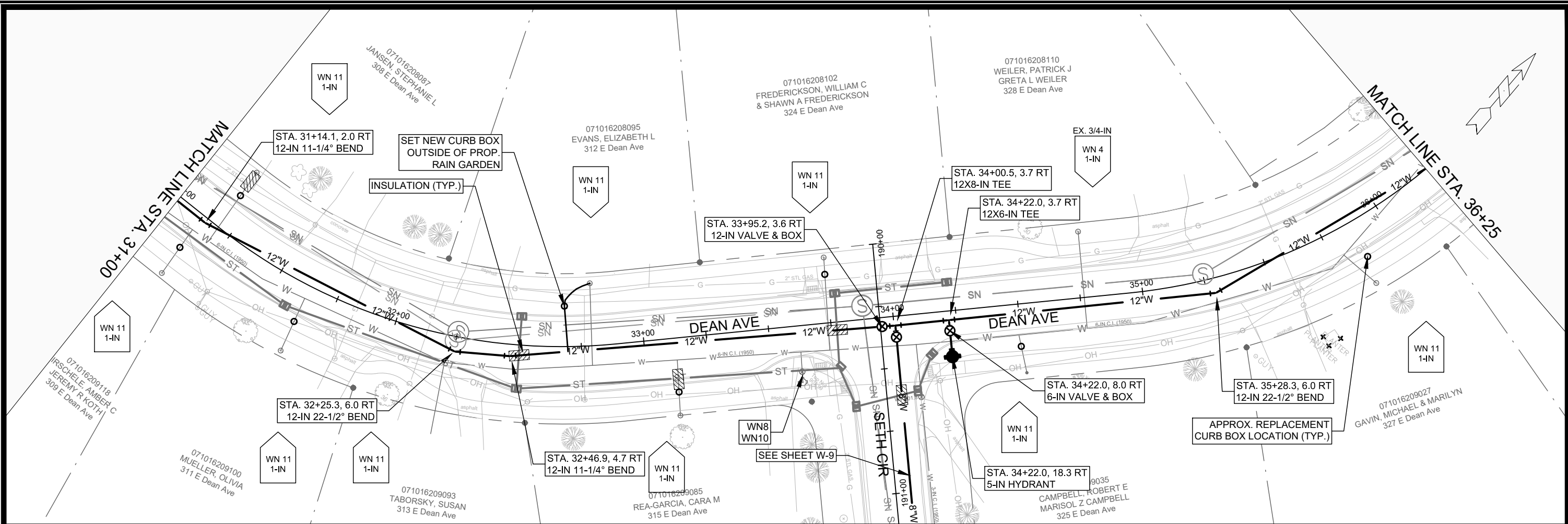


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11432
 MADISON, WI
 RECONSTRUCT 2021
 CONTRACT NO: 7838

WATER PLAN AND PROFILE - DEAN AVE
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR.
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11432
 W-6



DATE	BY
REVISION	REVISION
MARK	MARK
DESIGNED BY: PEH	DATE: 4/15/2021 1:01 PM
Scale: #####	Scale: #####
11432	W-7

11432

WATER PLAN AND PROFILE - DEAN AVE

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

MADISON, WI

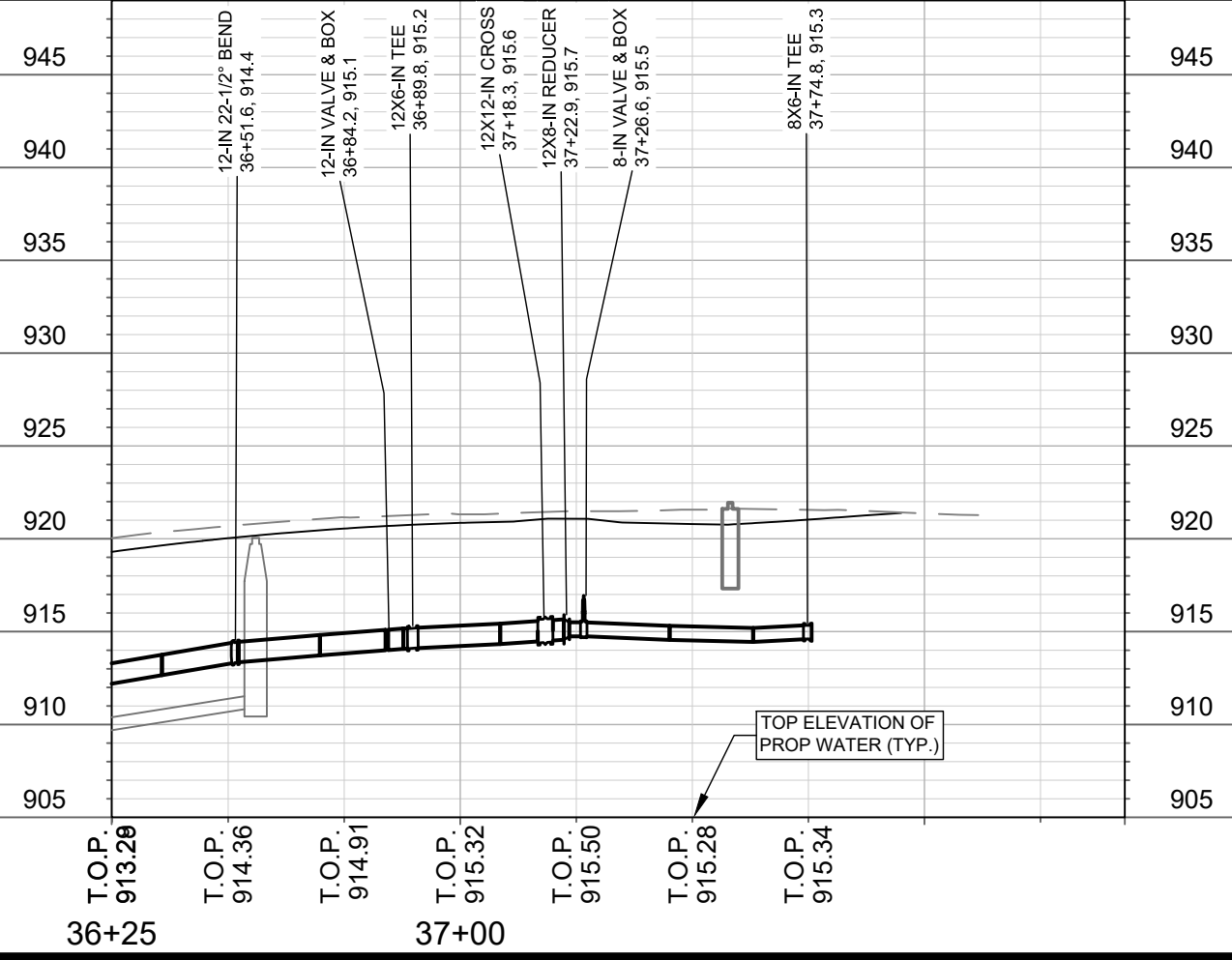
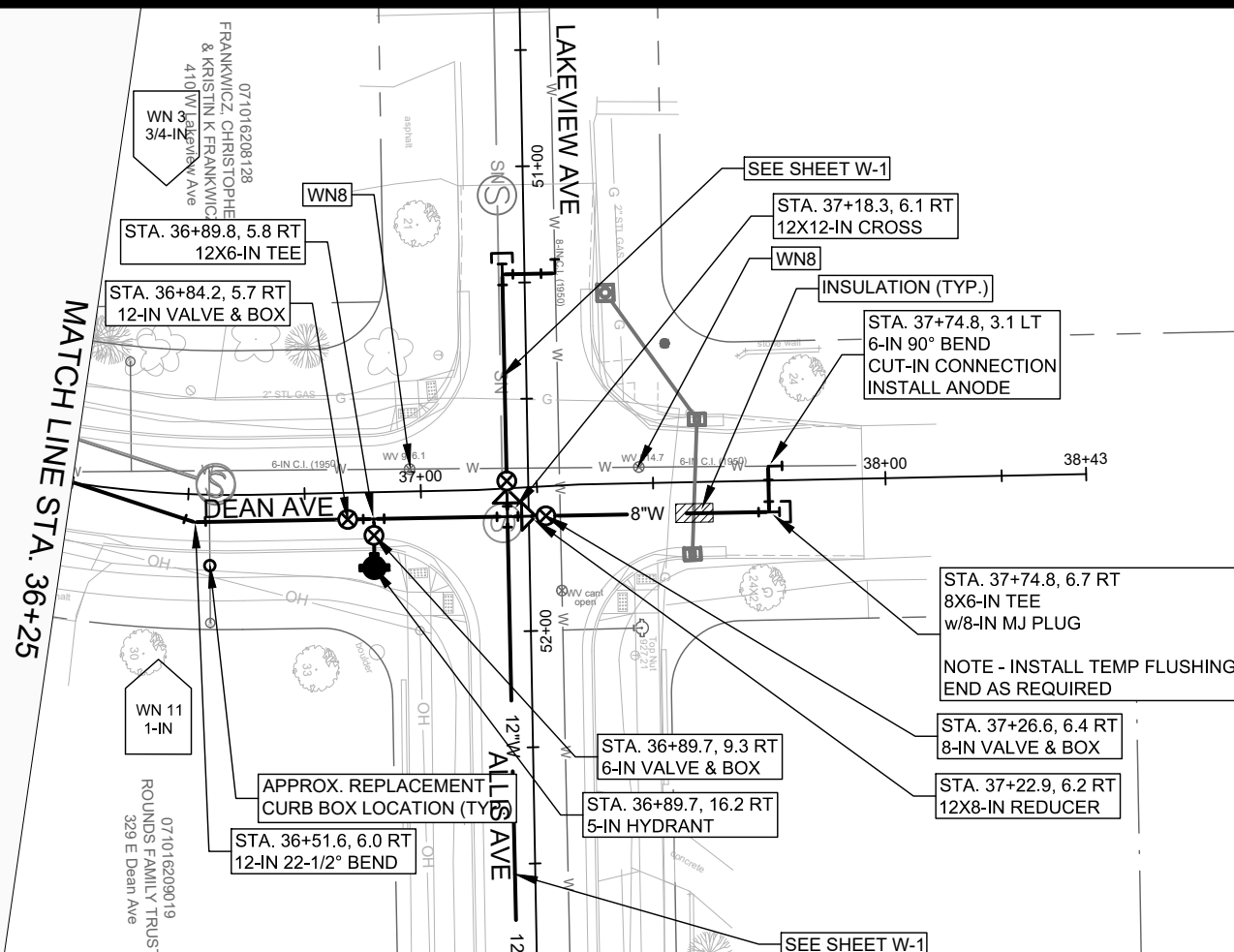
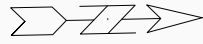
7838

CONTRACT NO:

11432

W-7

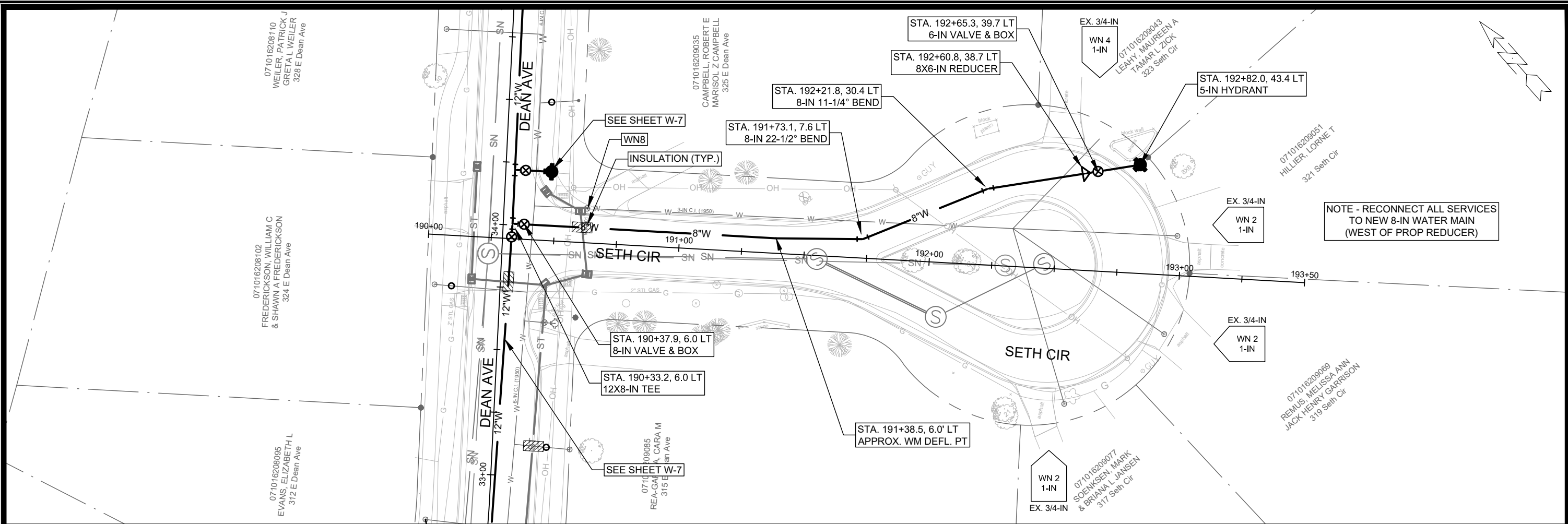
City of Madison Wisconsin logo



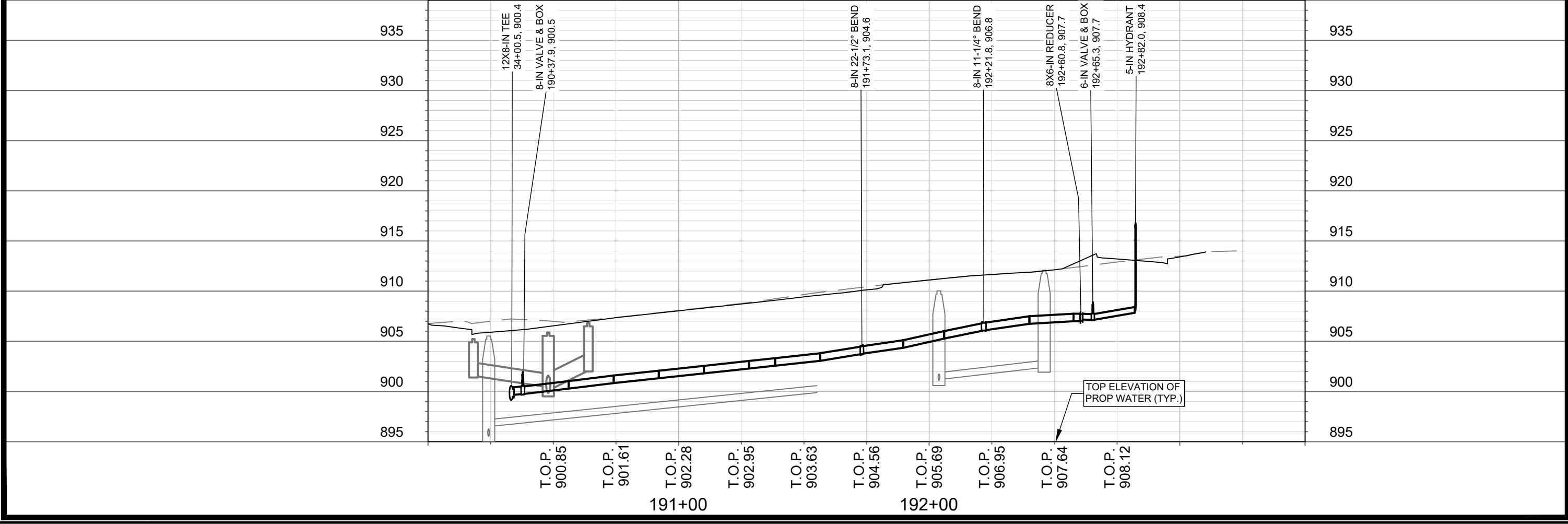
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 WATER PLAN AND PROFILE - DEAN AVE
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
 MADISON, WI
 CONTRACT NO: 7838
 W-8
 Scale: #####
 Date: 4/15/2021 1:01 PM
 REVISION
 MARK
 Designed By: PEH
 11432
 W-8



11432
W-8



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

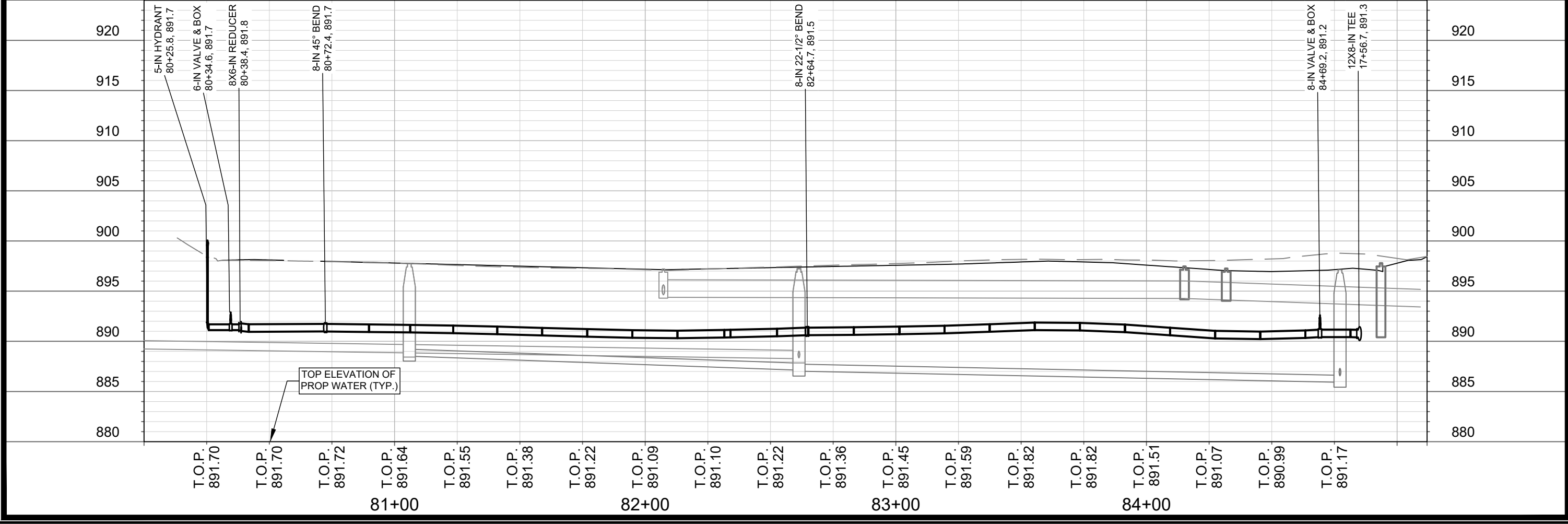
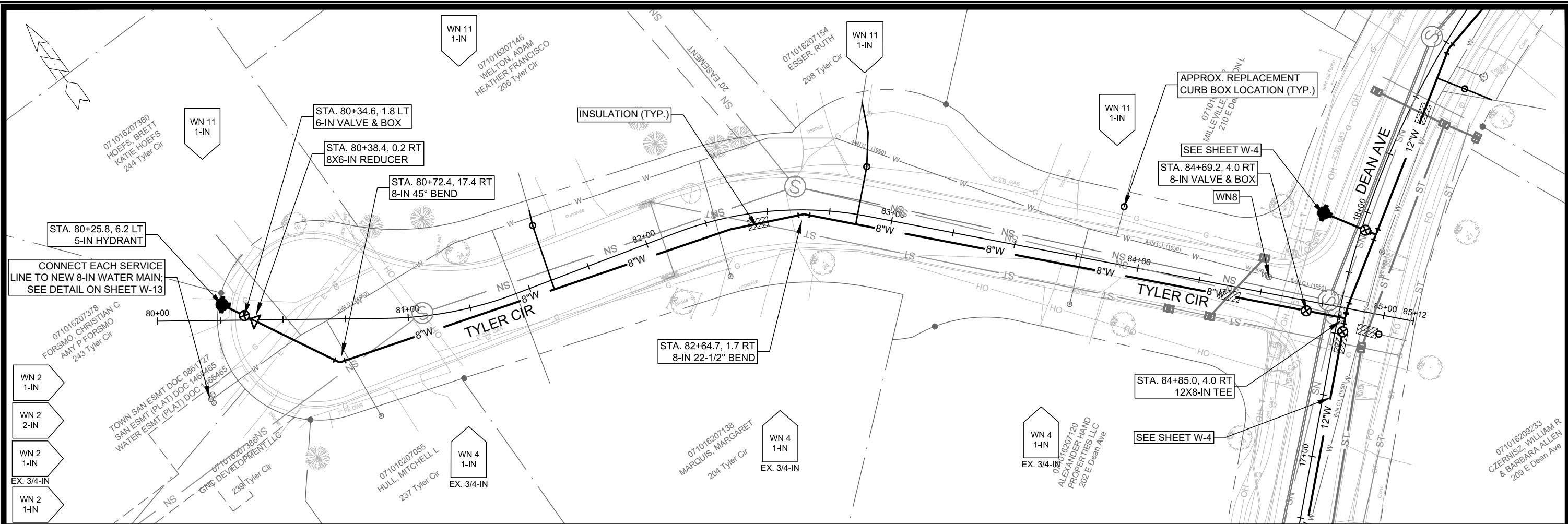



11432 WATER PLAN AND PROFILE - SETH CIR
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 MADISON, WI
 CONTRACT NO: 7838
 W-9

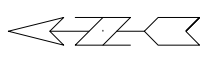
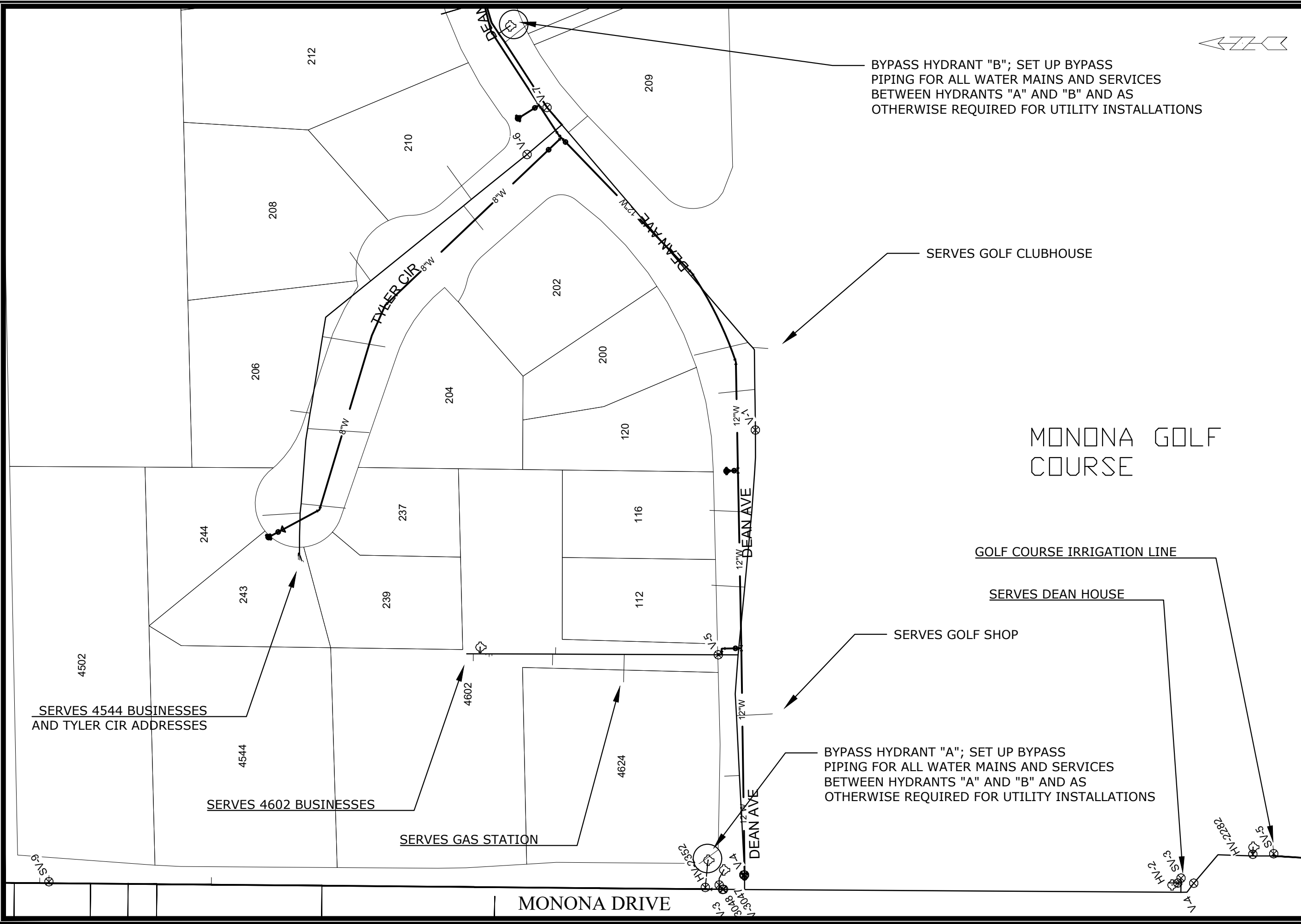
City of Madison Wisconsin logo

MARK	REVISION	DATE	BY

Scale: #####
 Designed By: PEH Date: 4/15/2021 1:02 PM
 11432 W-9



 11432 W-10	WATER PLAN AND PROFILE - TYLER CIR E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 <small>\\gisserver\data\DESIGN\Projects\11432\CSD\Water\11432WU-Water.dwg</small>	11432 MADISON, WI 7838 CONTRACT NO.:
MARK: _____ REVISION: _____ DATE: _____ BY: _____ Scale: ##### 11432		



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

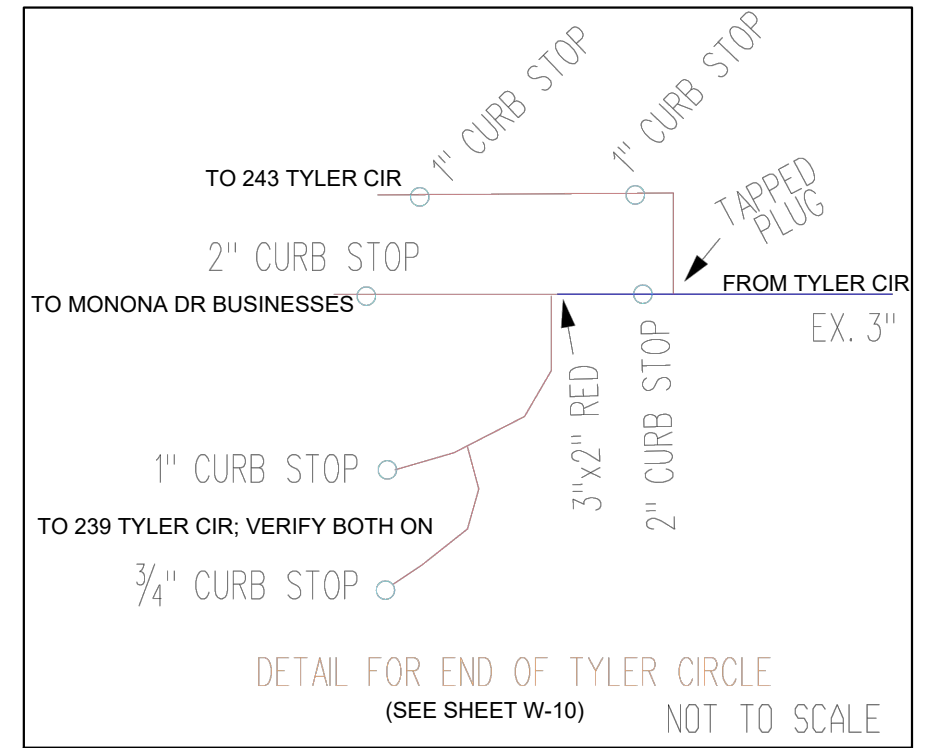
DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

SCALE: 1" = 80' 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	
	
11432	CONTRACT NO: 7838
W-11	

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.



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

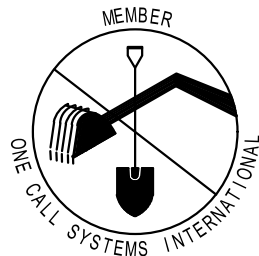
ESTIMATE OF REUSED AND SALVAGED MATERIALS*

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.

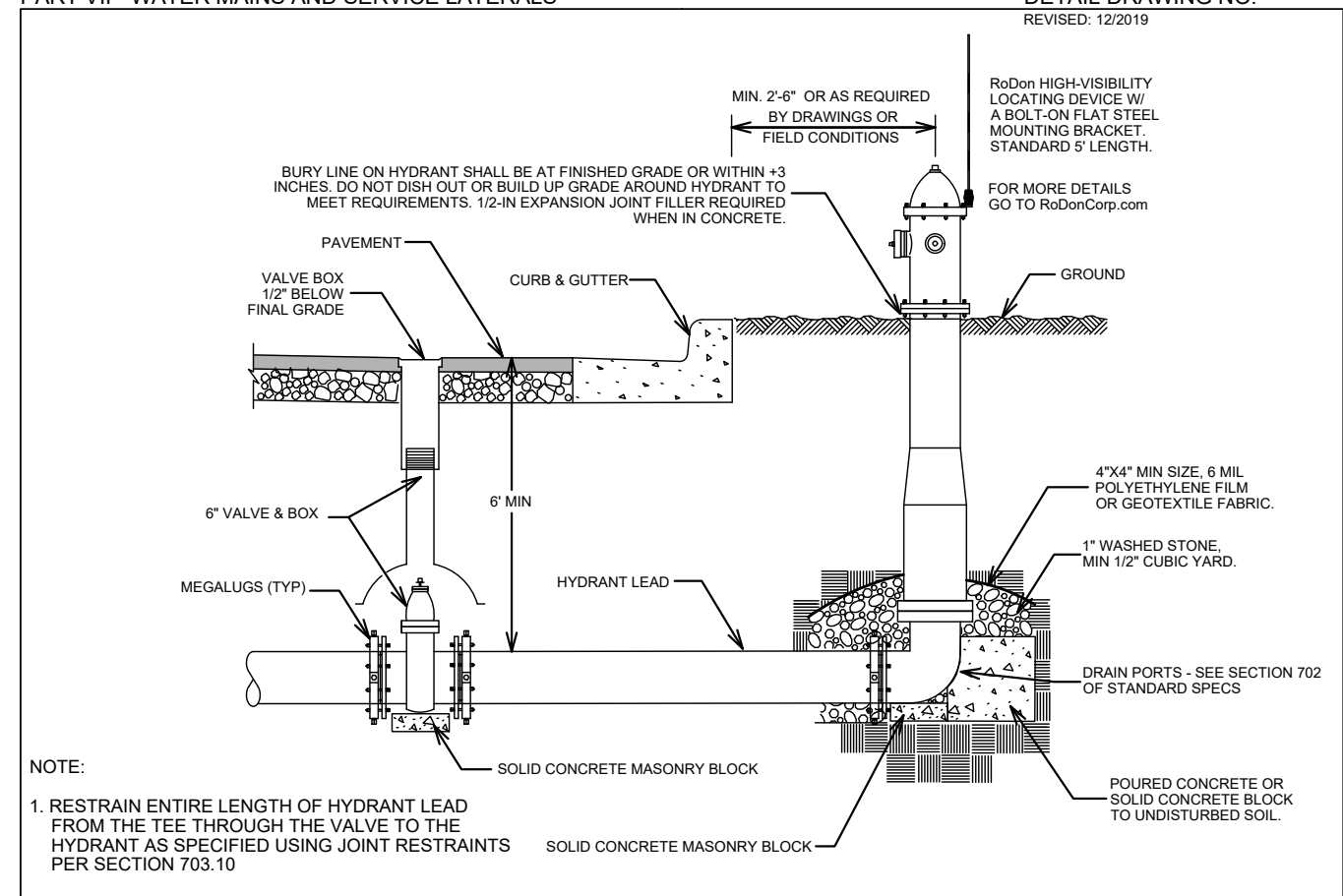


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

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

SCALE: N/A

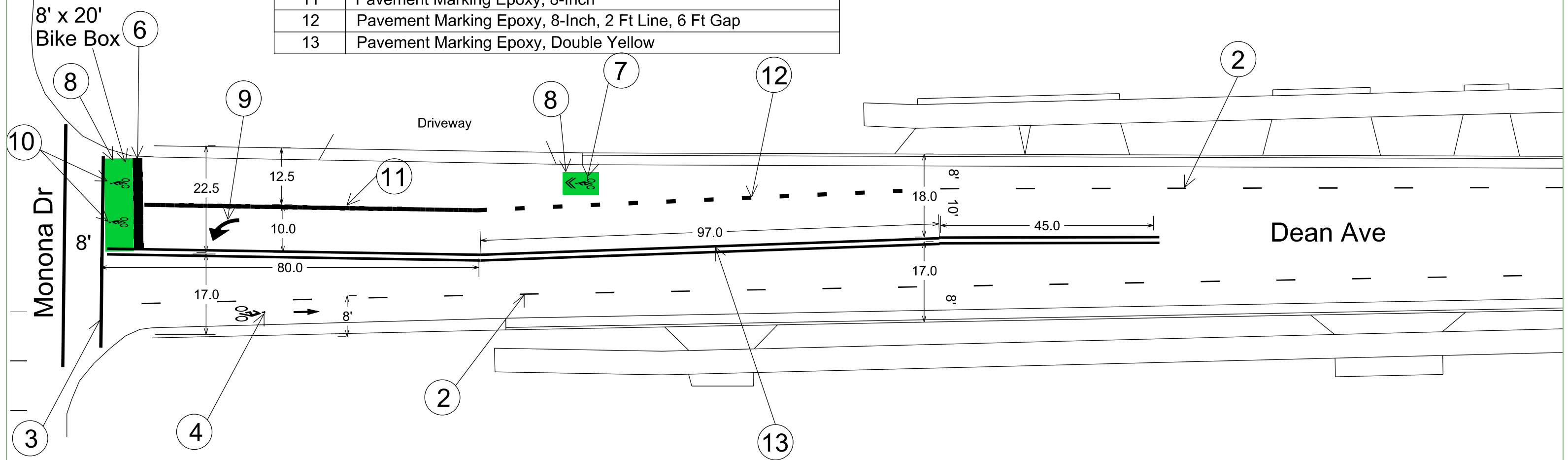
DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 4/15/21

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



11432
 W-13

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



TYLER CIR

MATCH 2 →

DEAN AVE

8' 10' 8'

6'

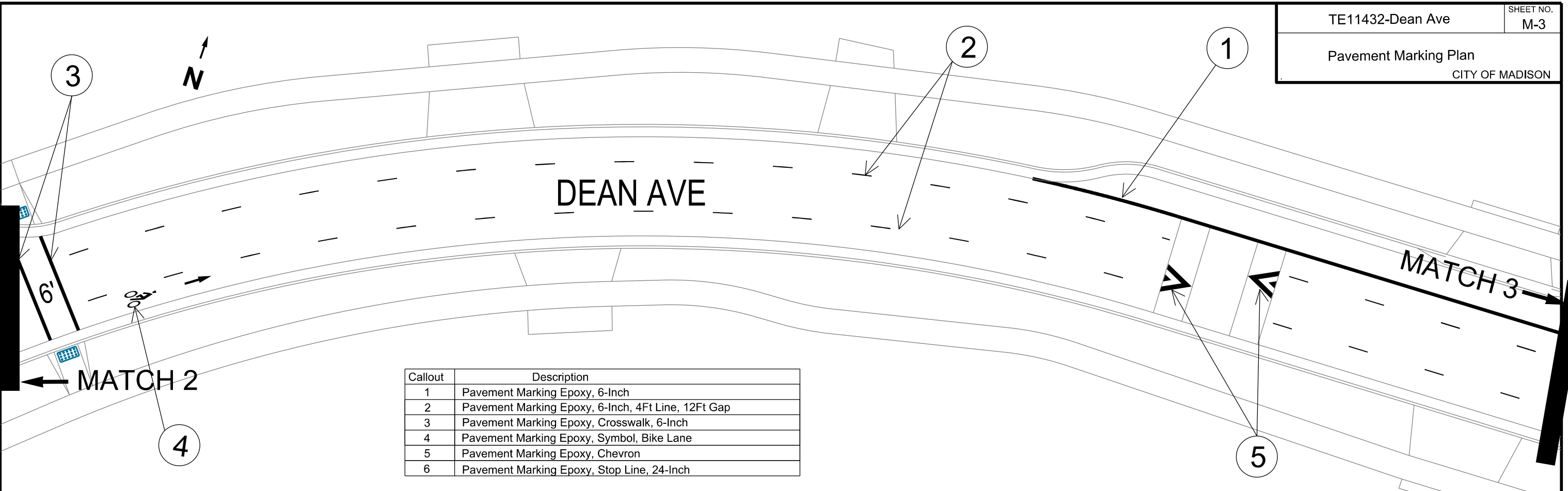
6'

PLOT SCALE: _____

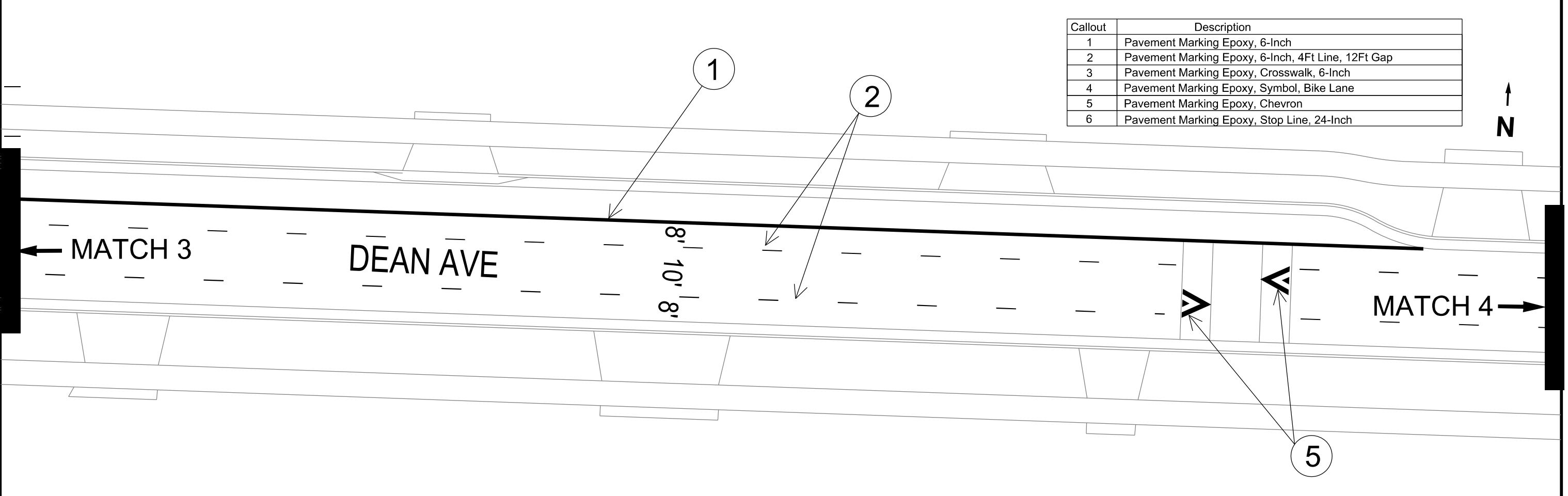
PLOT NAME: _____

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:

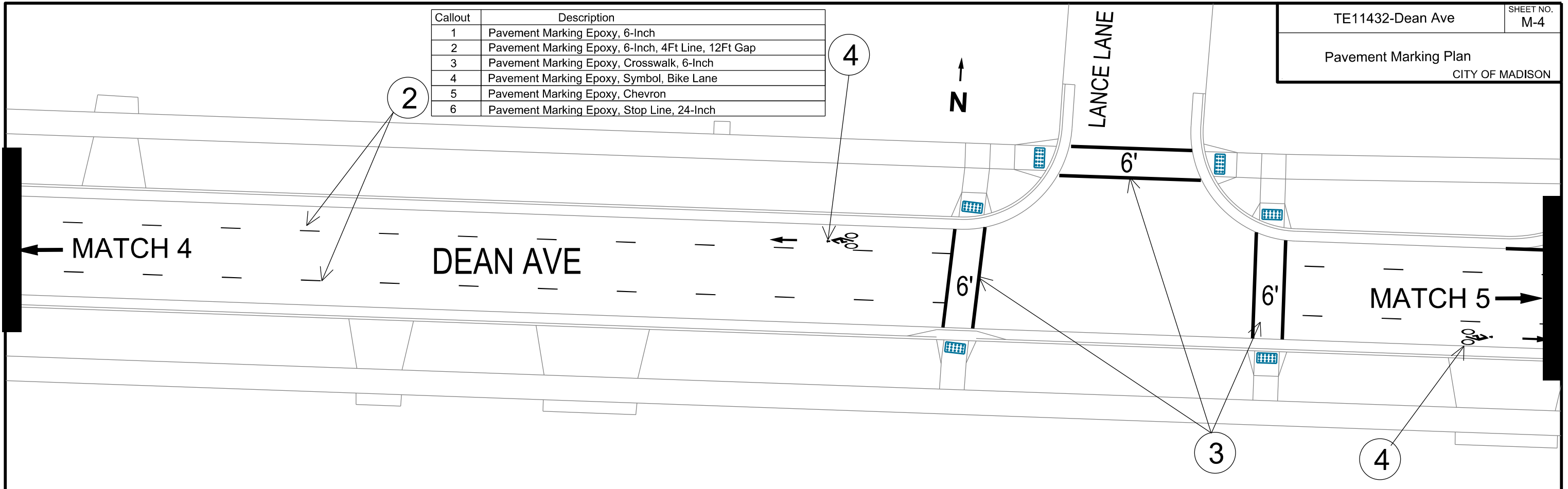
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Callout	Description
1	Pavement Marking Epoxy, 6-Inch
2	Pavement Marking Epoxy, 6-Inch, 4Ft Line, 12Ft Gap
3	Pavement Marking Epoxy, Crosswalk, 6-Inch
4	Pavement Marking Epoxy, Symbol, Bike Lane
5	Pavement Marking Epoxy, Chevron
6	Pavement Marking Epoxy,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

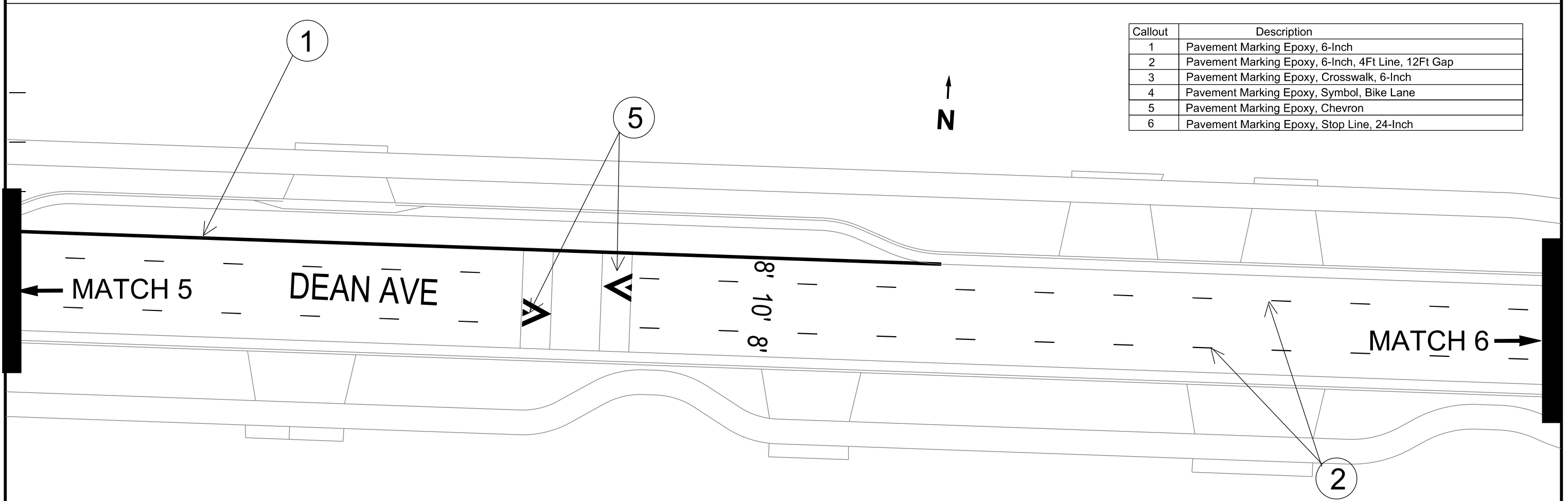
TE11432-Dean Ave

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



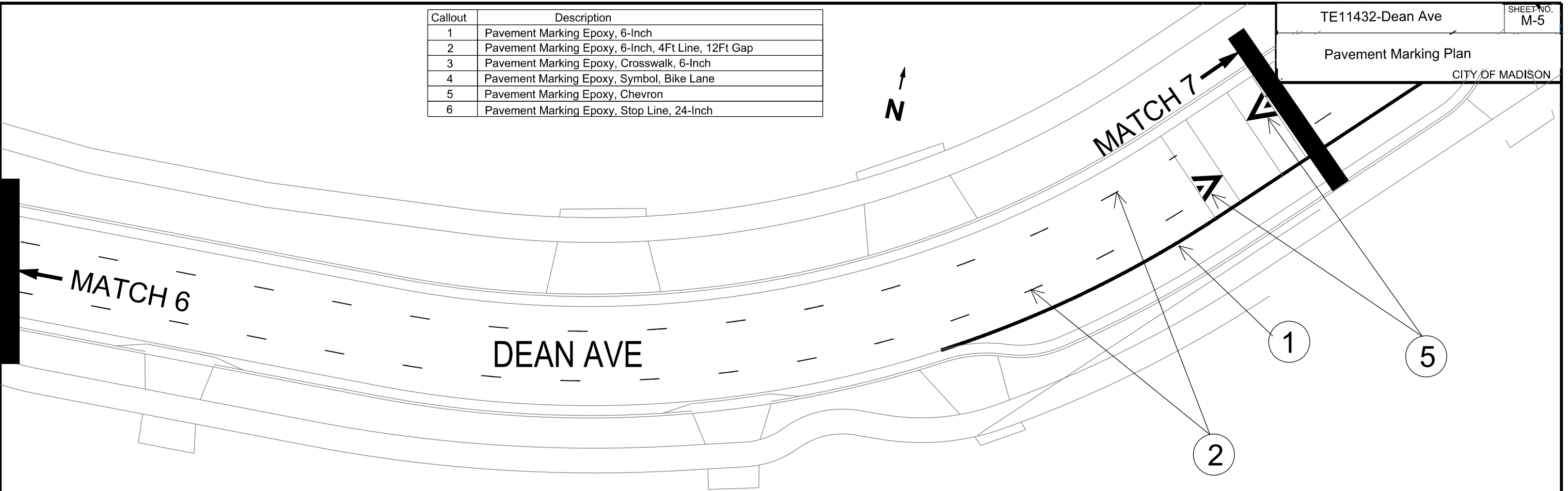
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PLOT NAME:

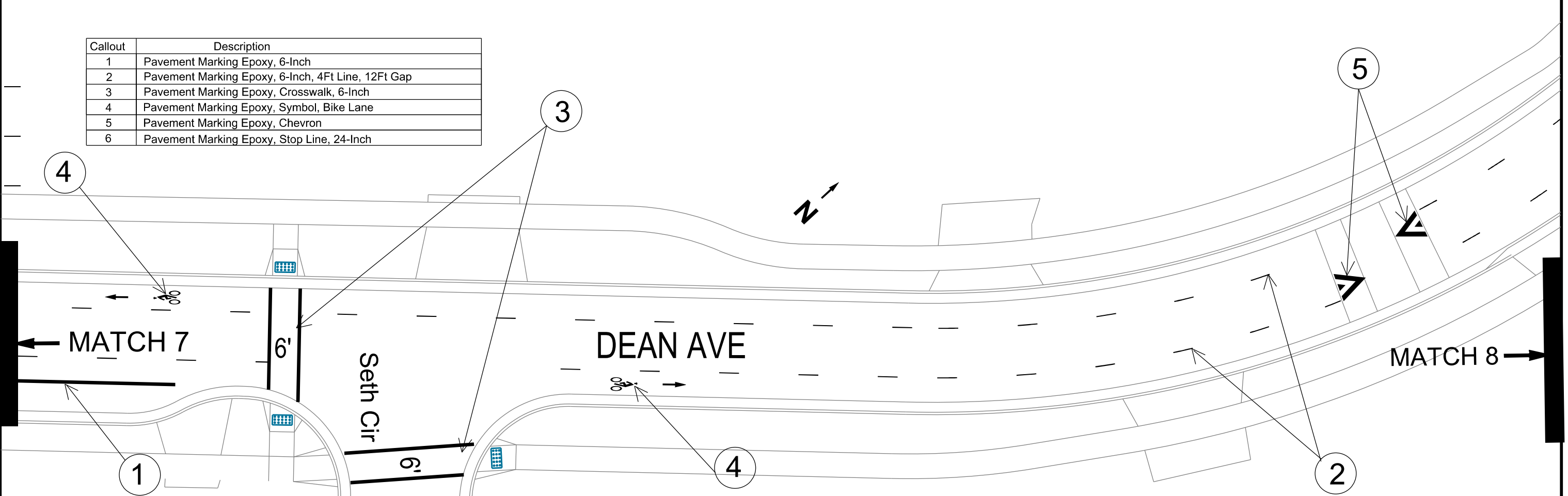
REV. DATE:

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
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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_...

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



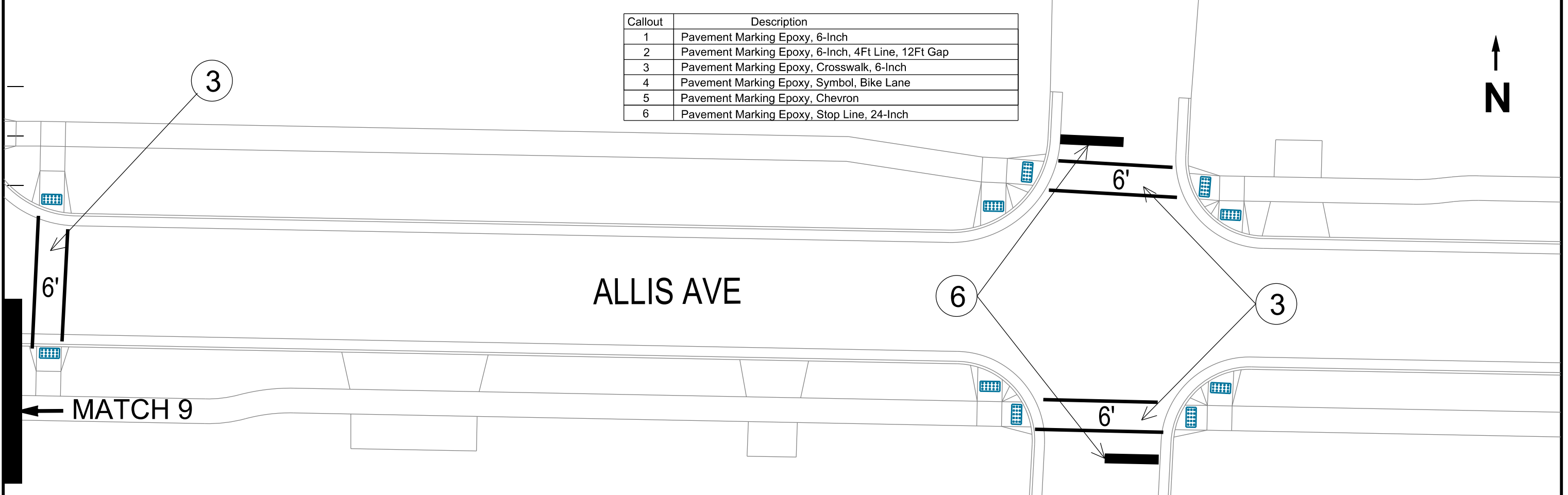
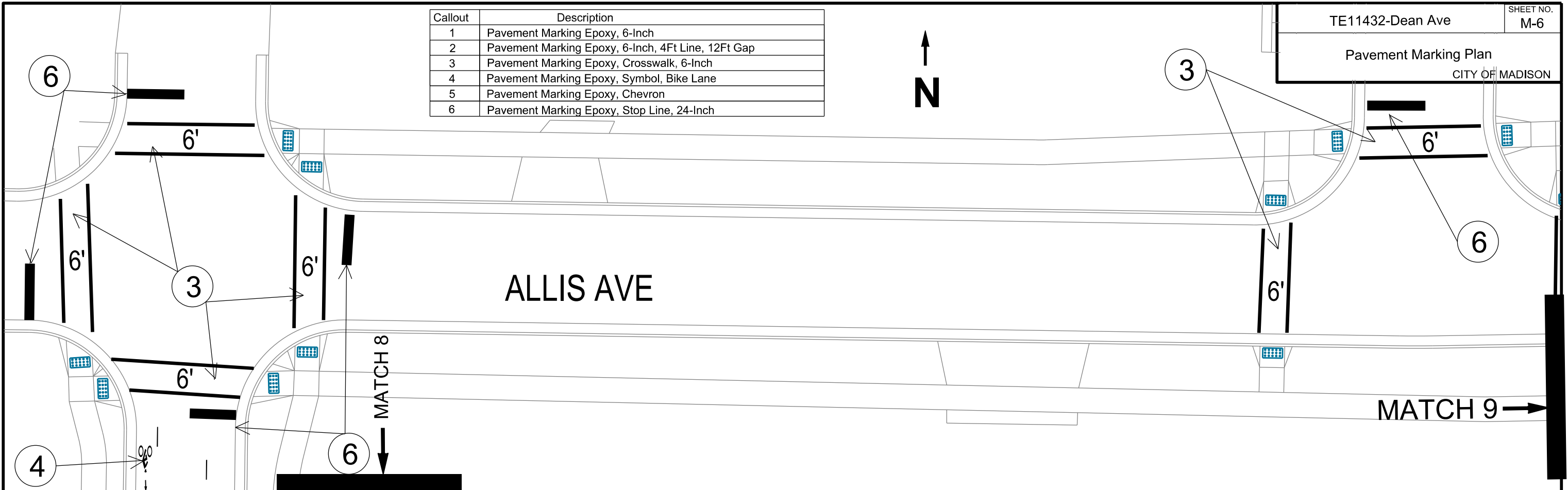
ALLIS AVE

PLOT SCALE:

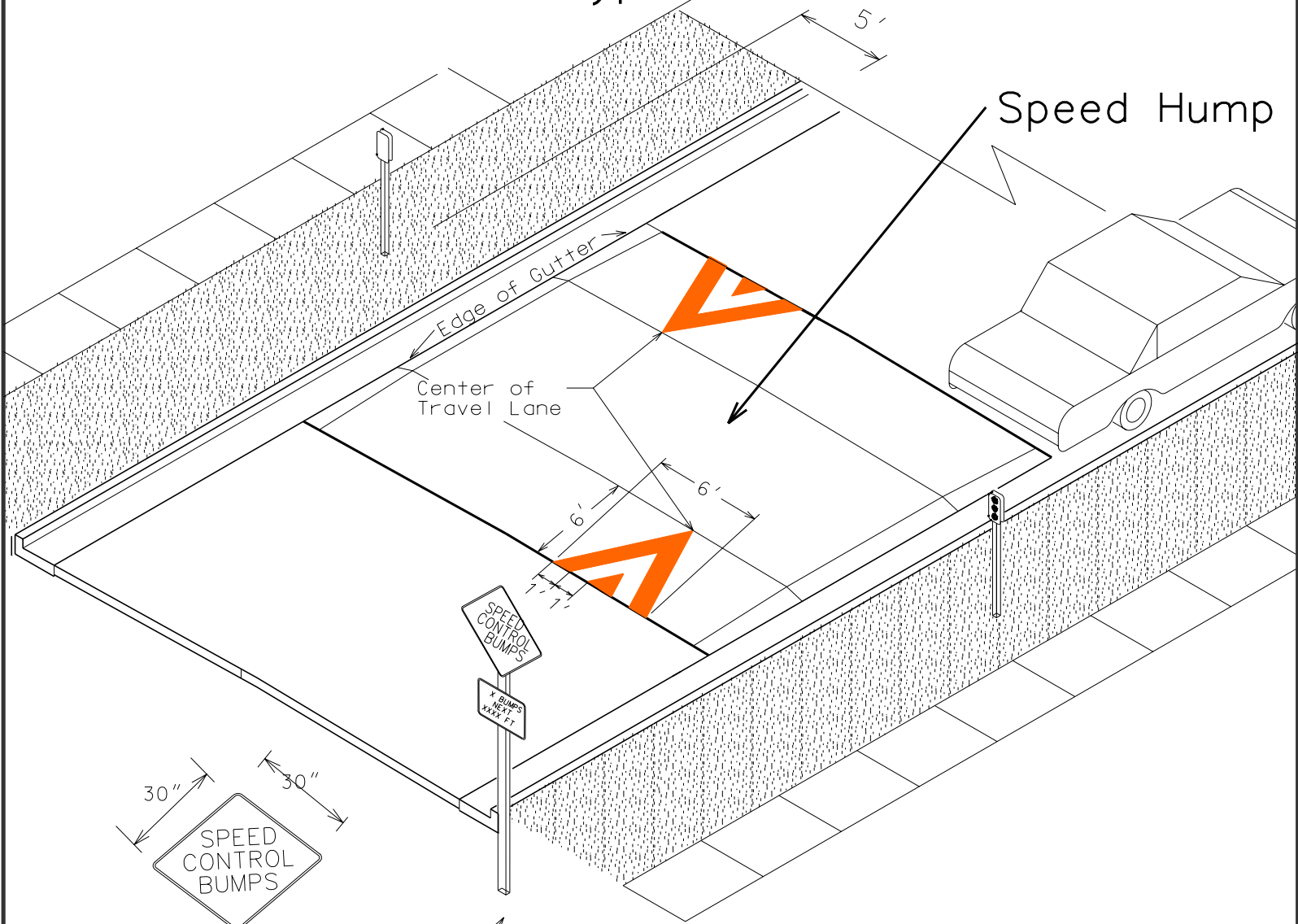
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REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC_ENG., DIV. ...



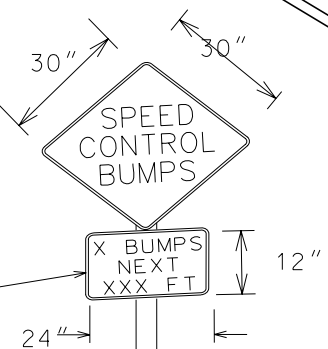
Speed Hump Signing & Marking Typical



Speed Hump

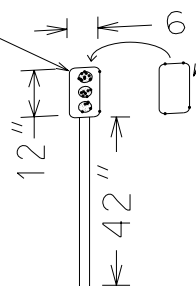
Center of Travel Lane

Edge of Gutter




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

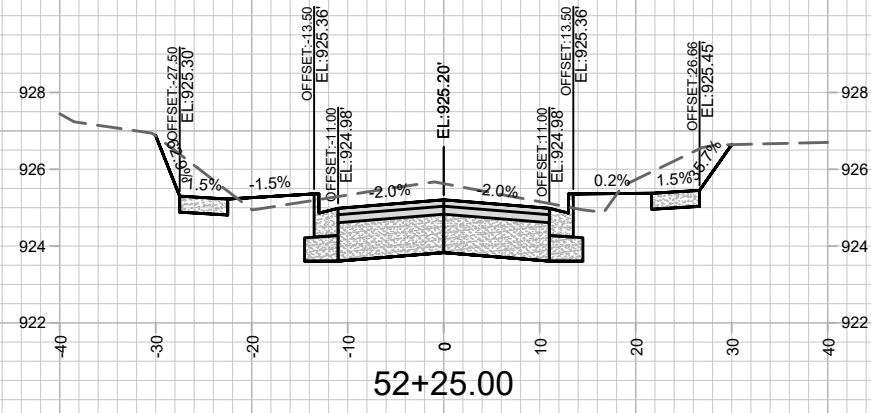
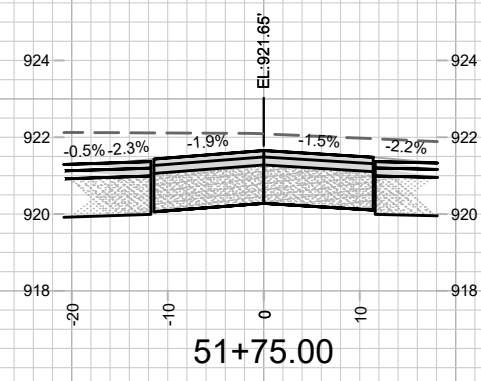
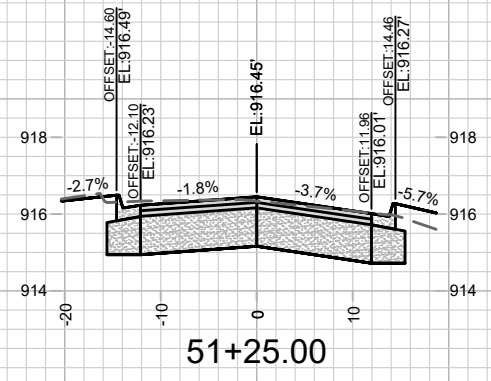
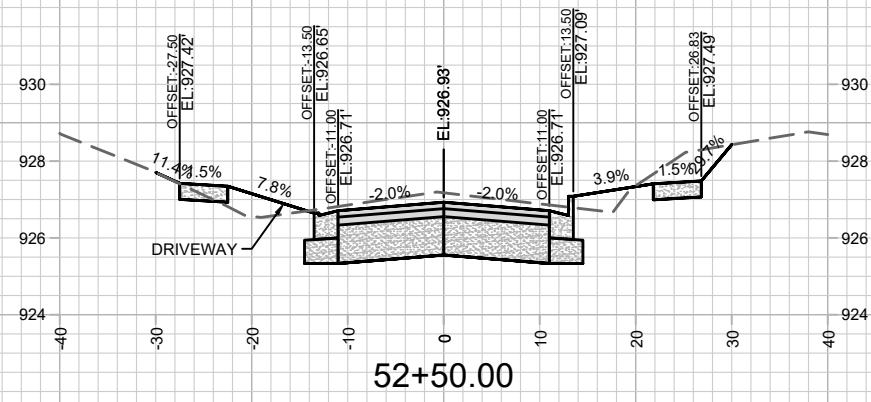
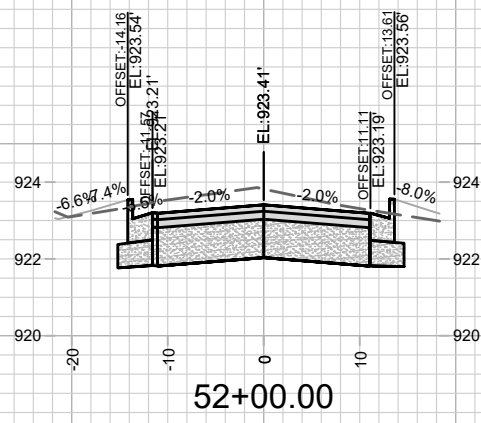
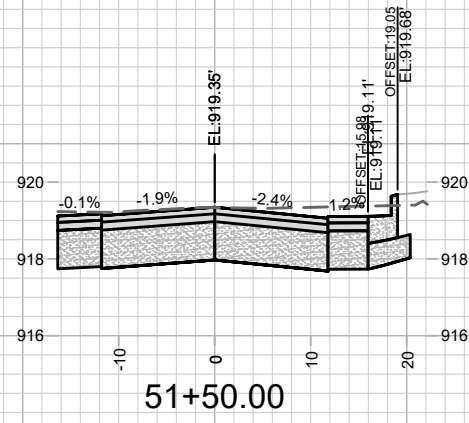
Solid reflectorized yellow on back.



See Plan for Wording and Placement

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.

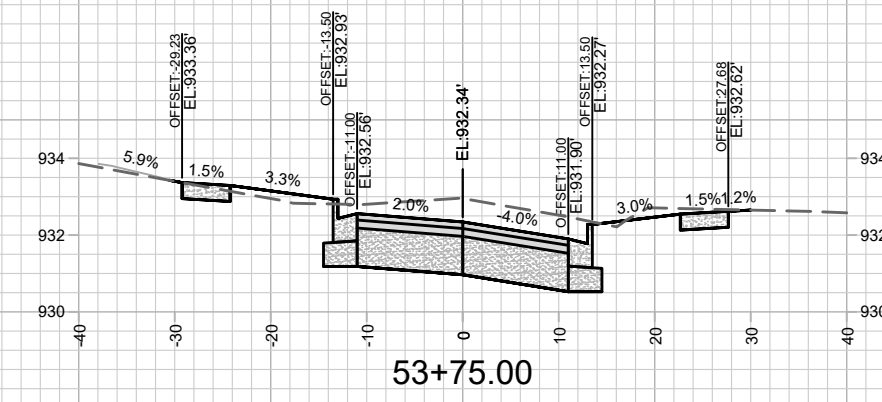
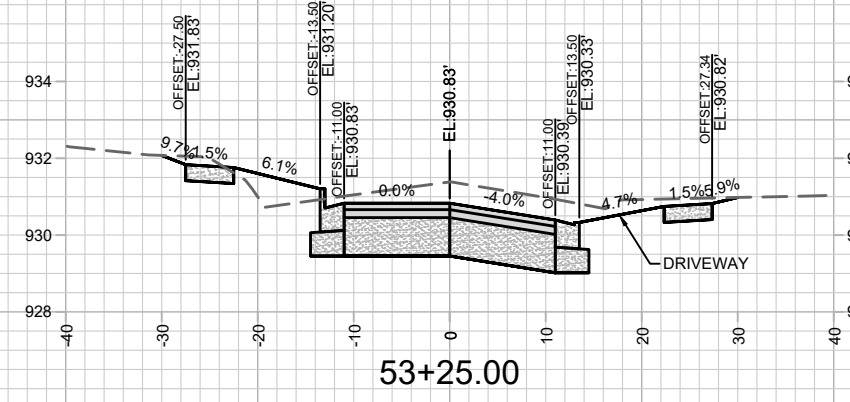
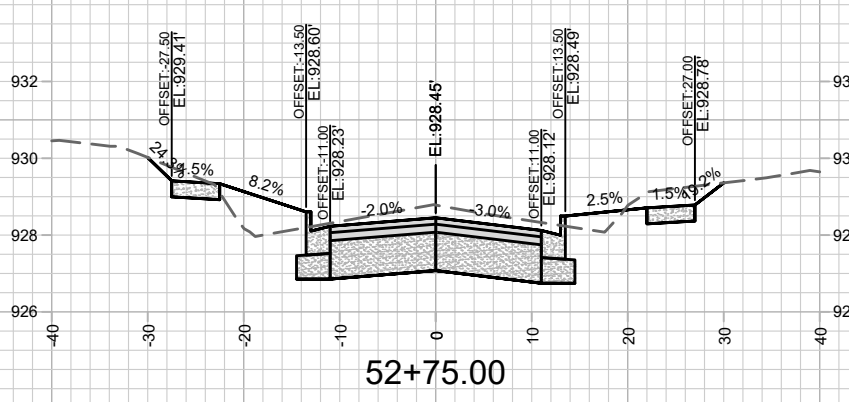
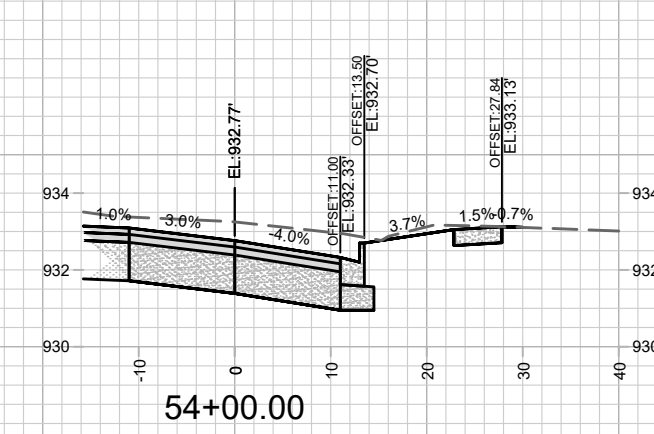
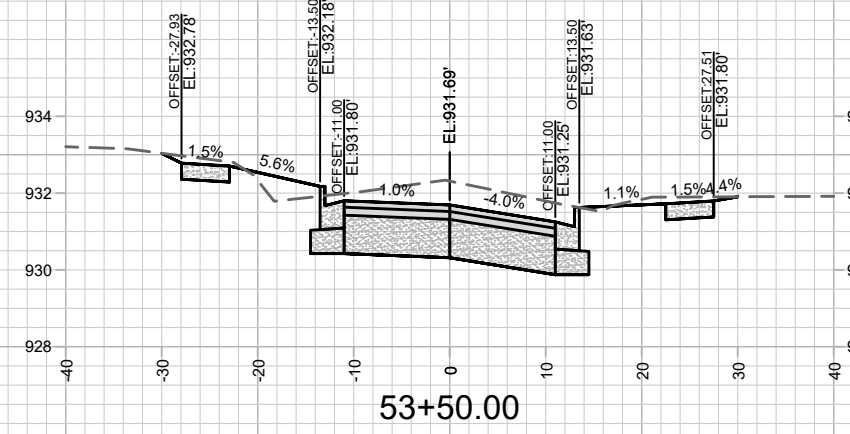
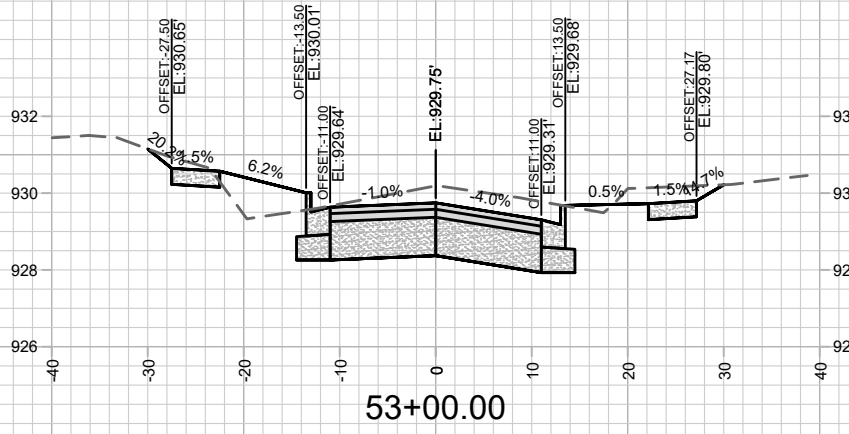
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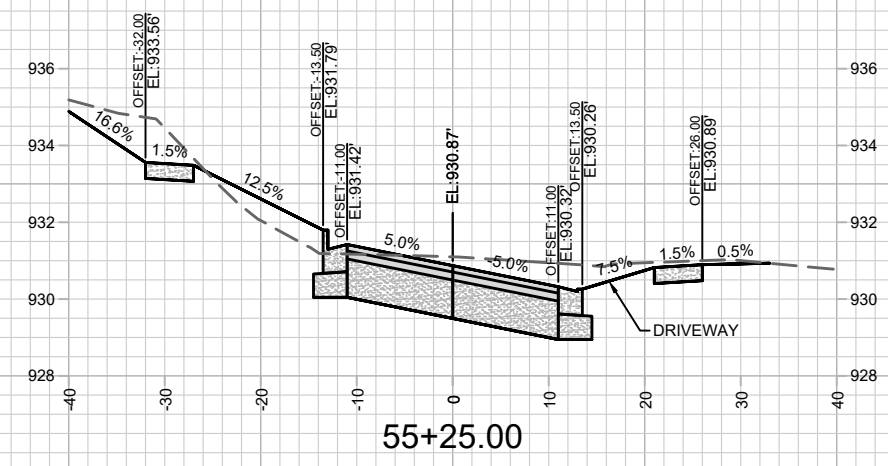
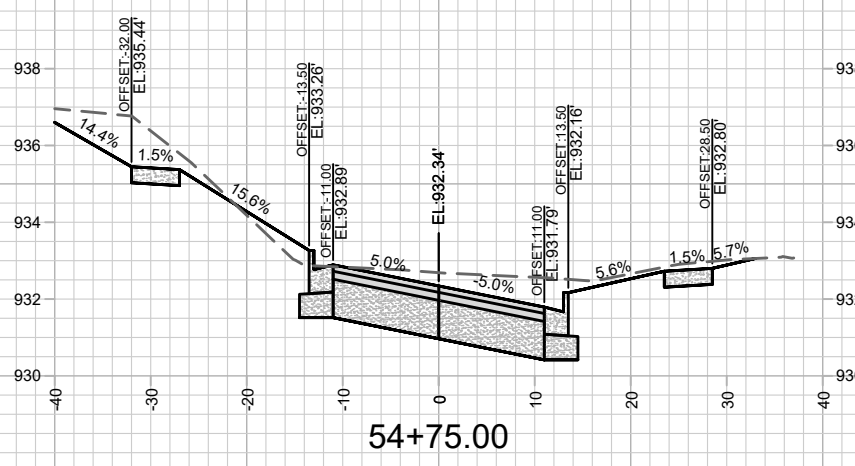
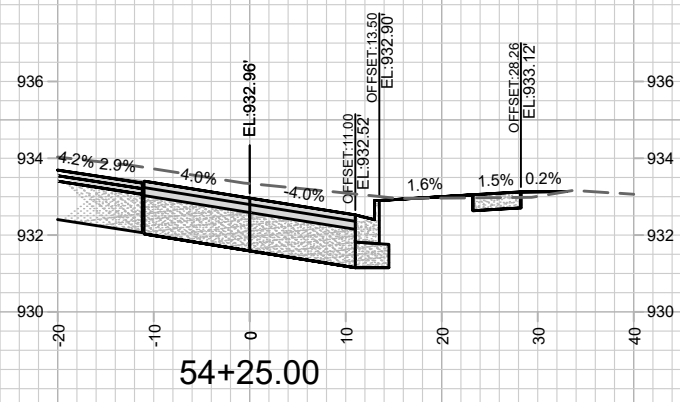
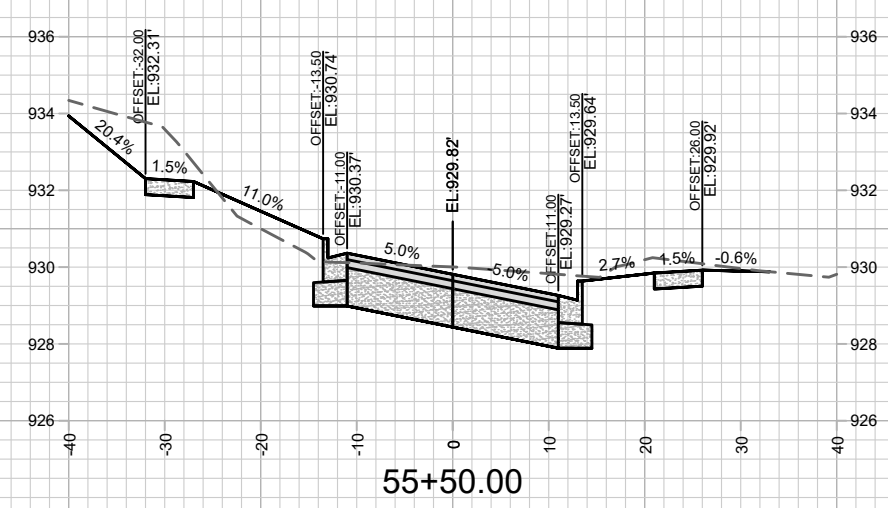
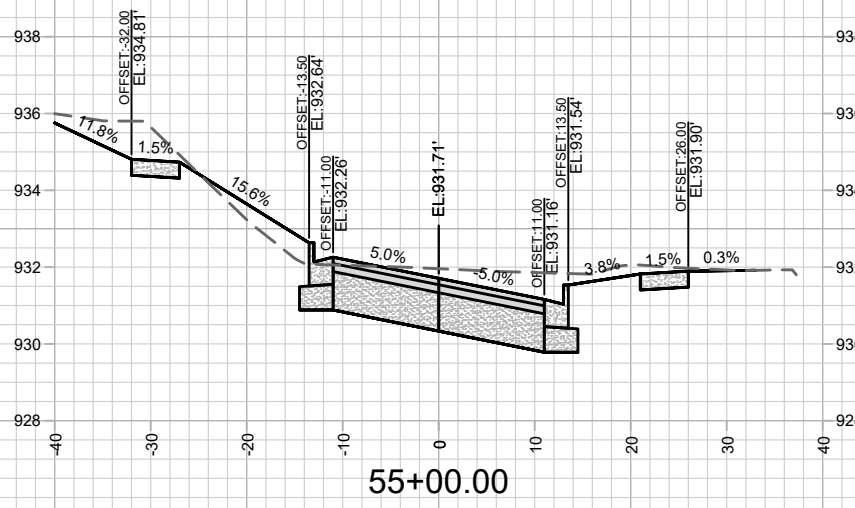
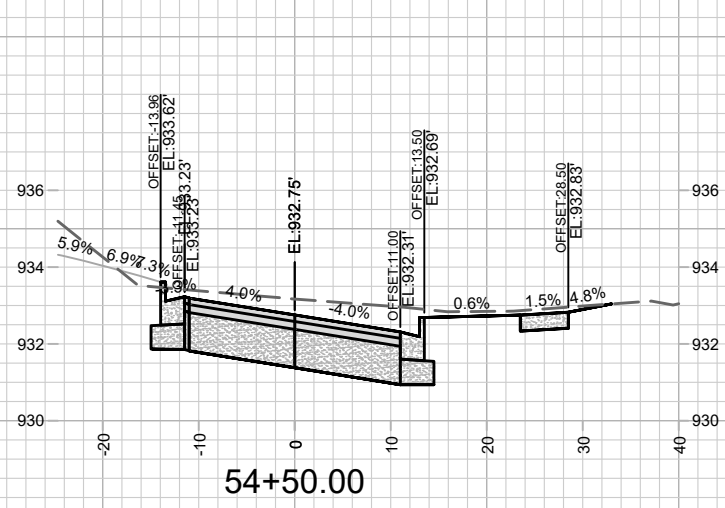
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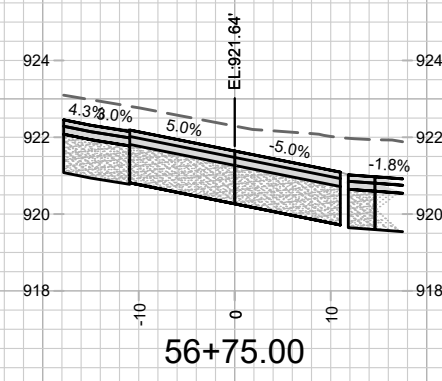
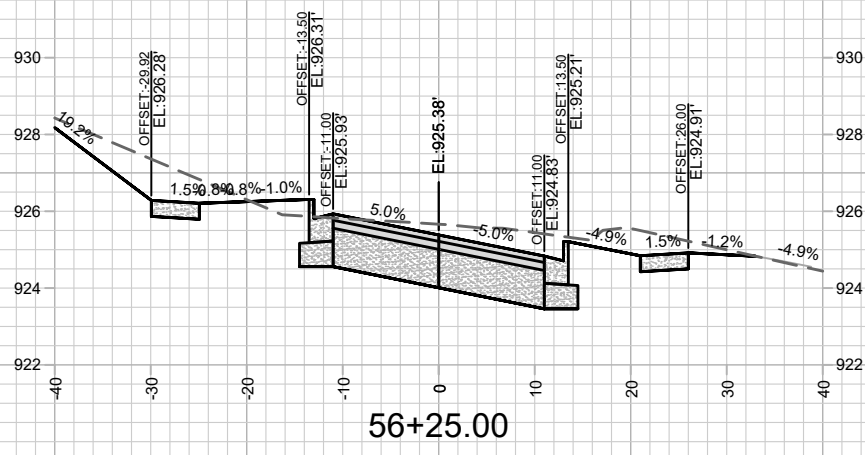
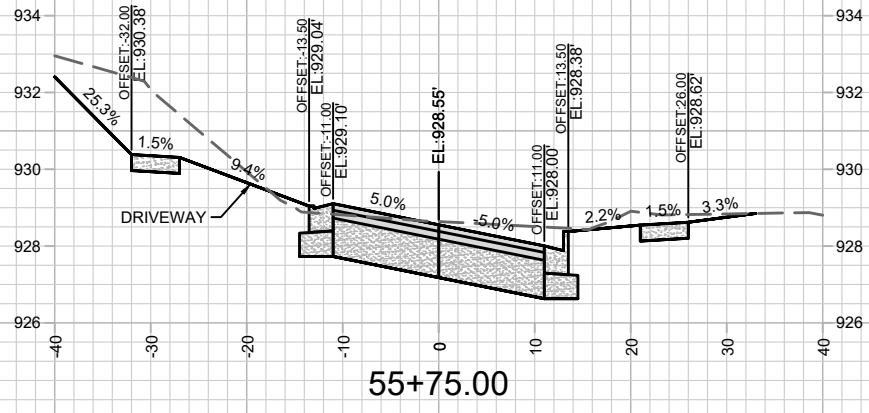
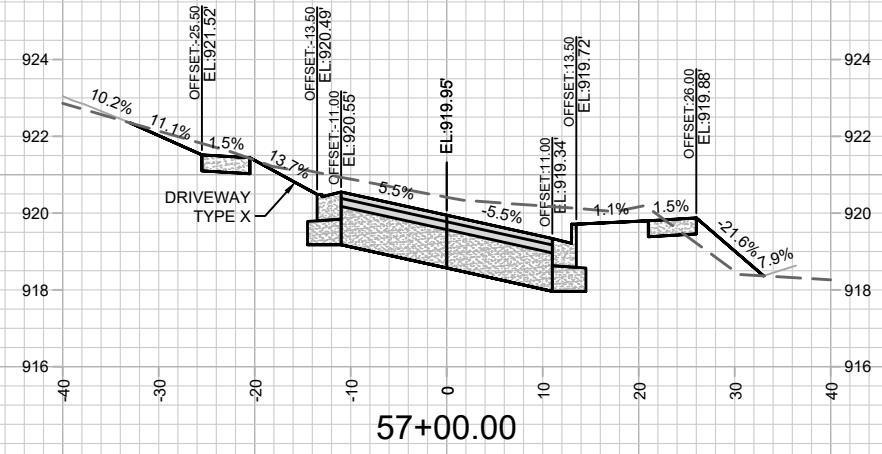
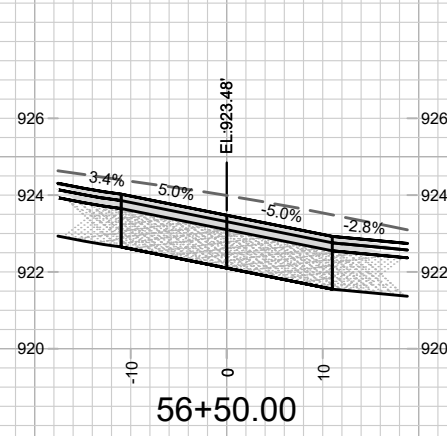
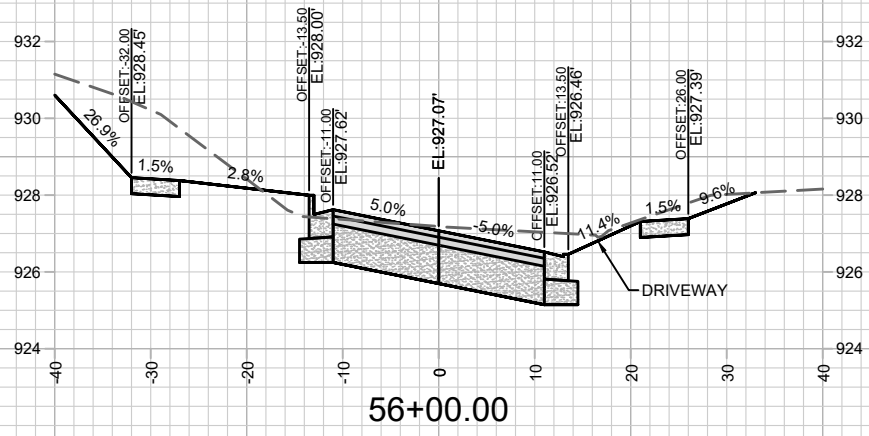
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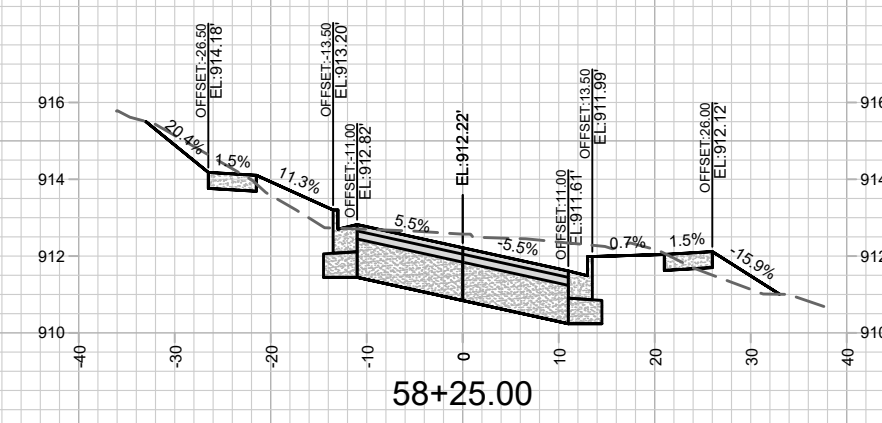
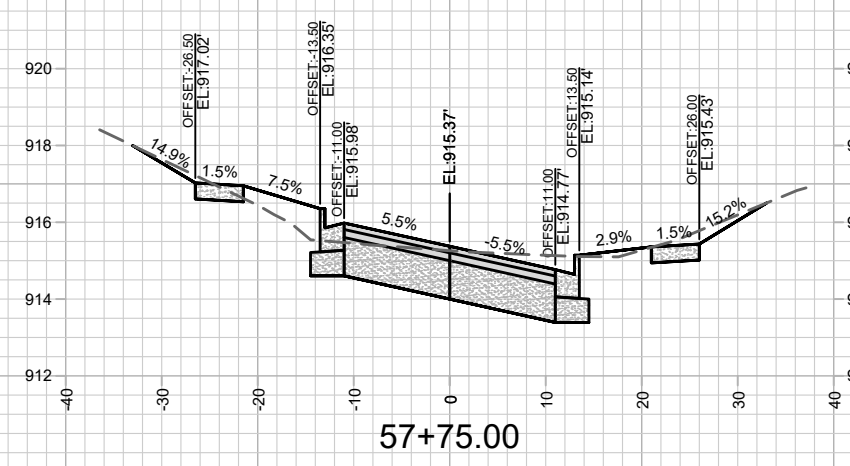
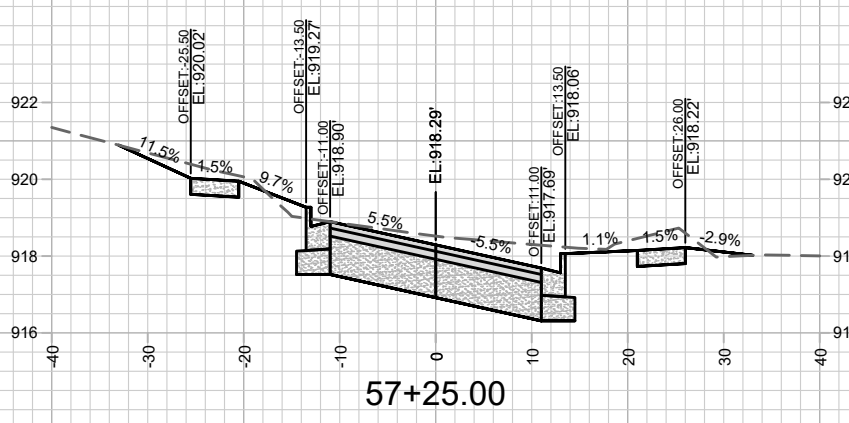
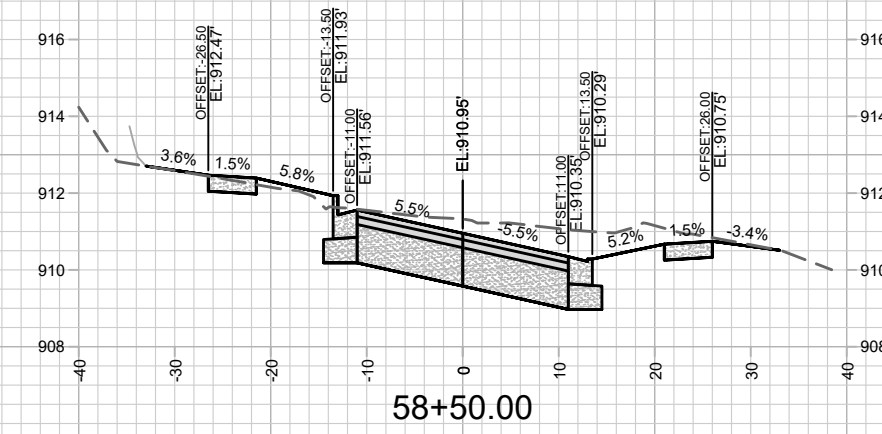
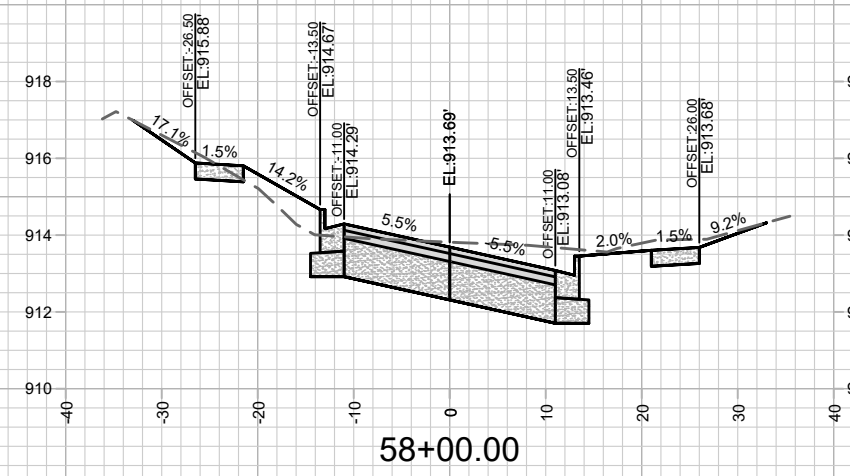
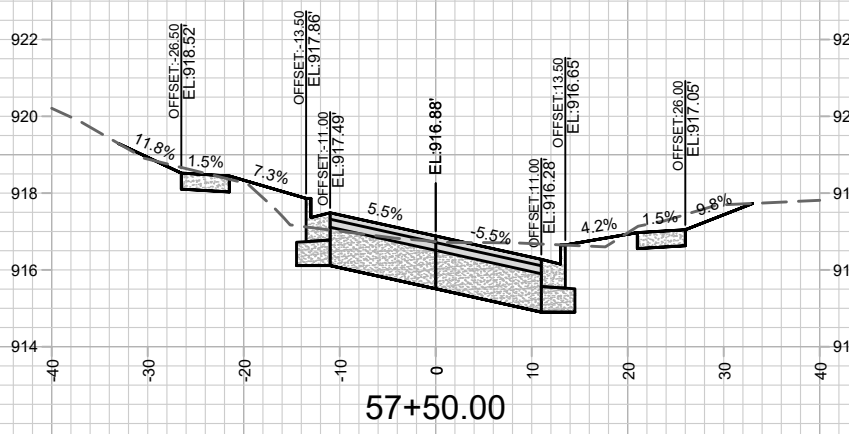
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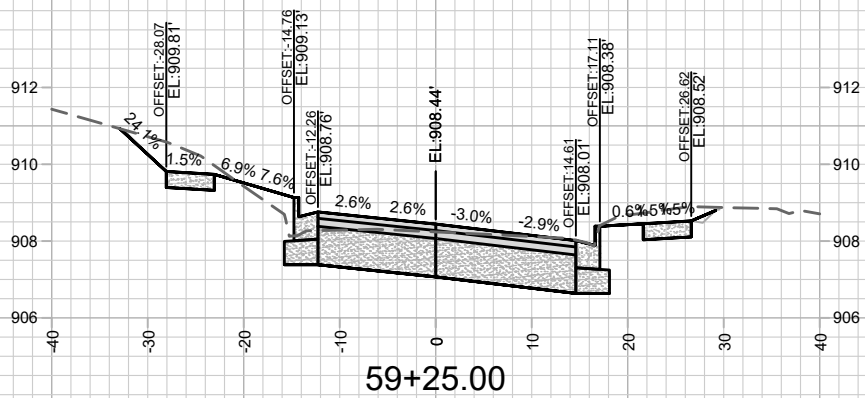
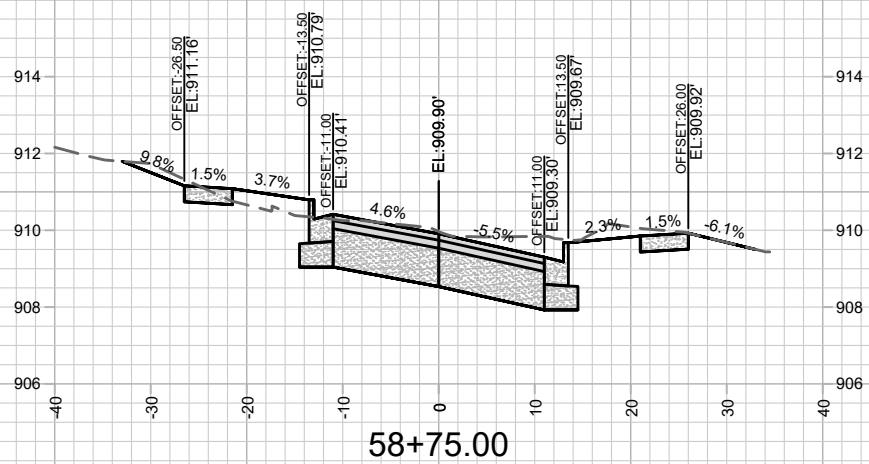
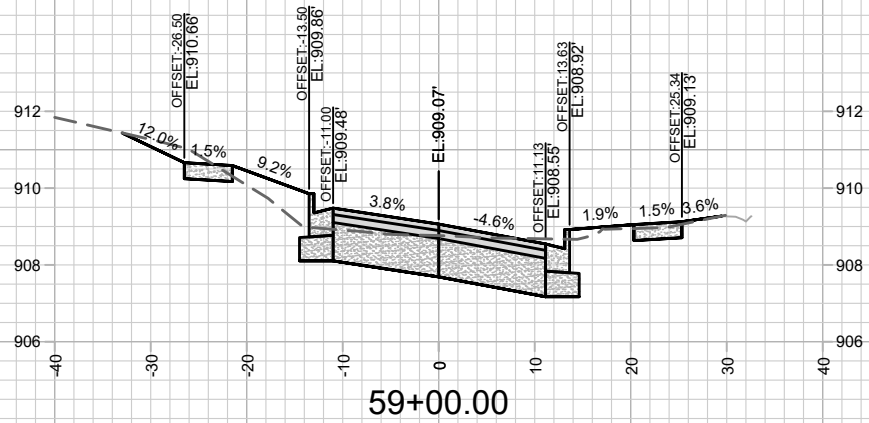
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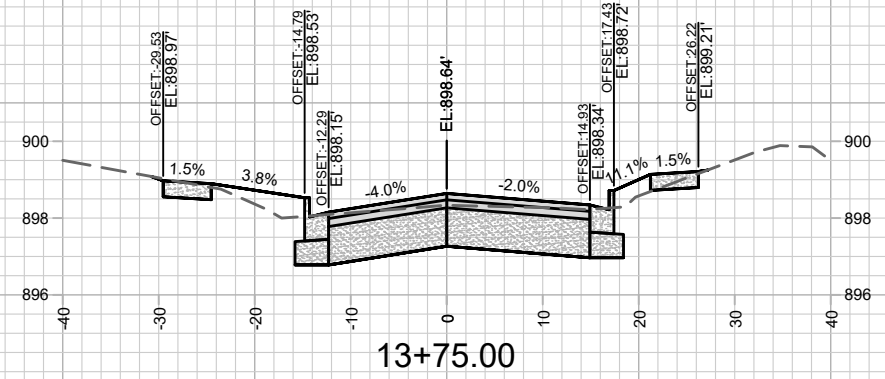
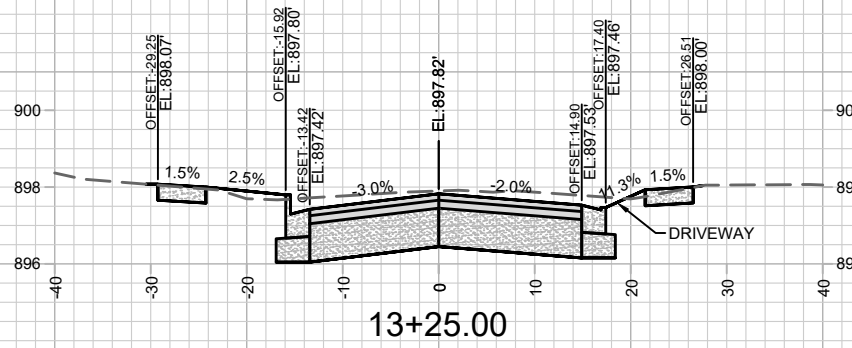
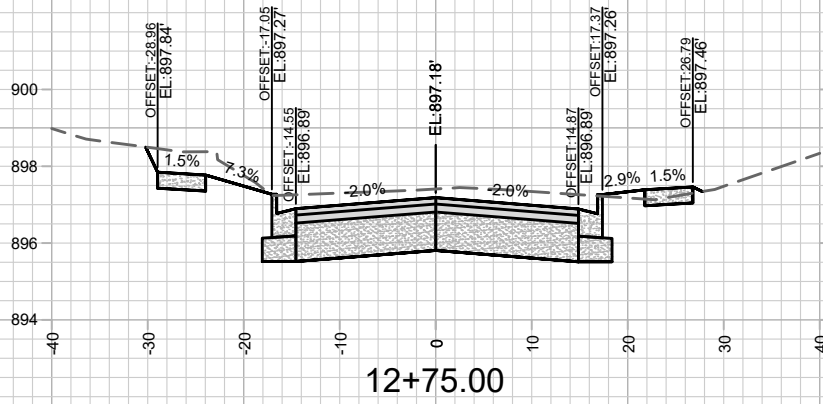
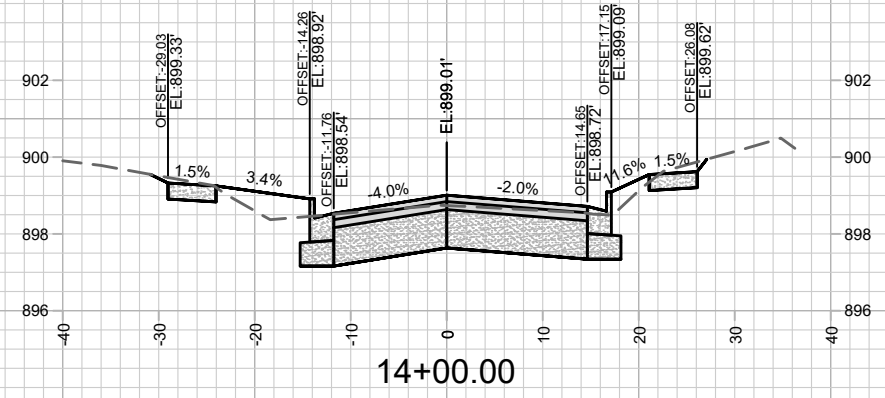
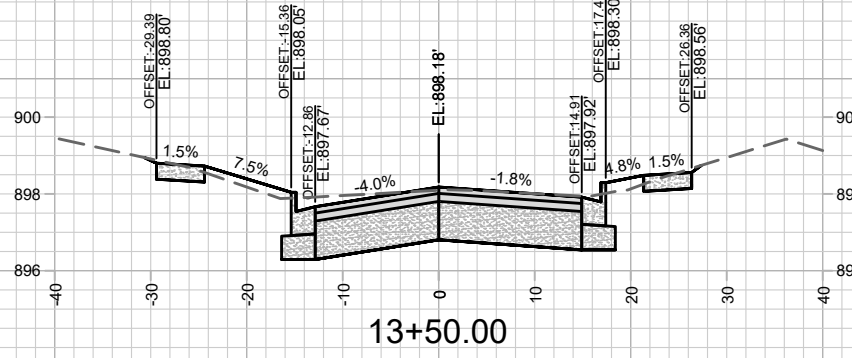
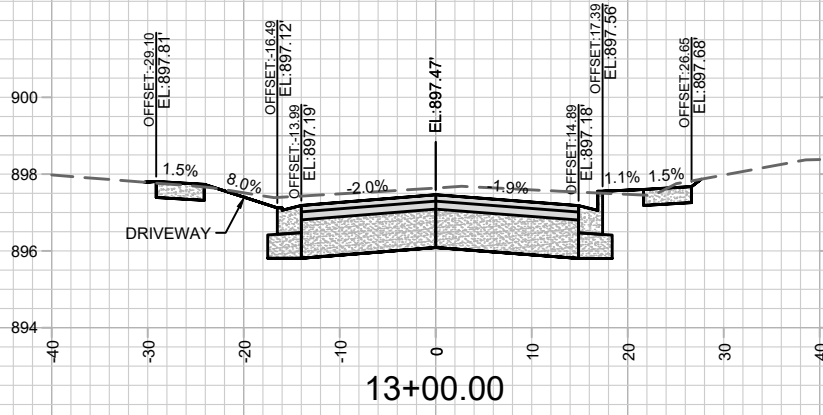
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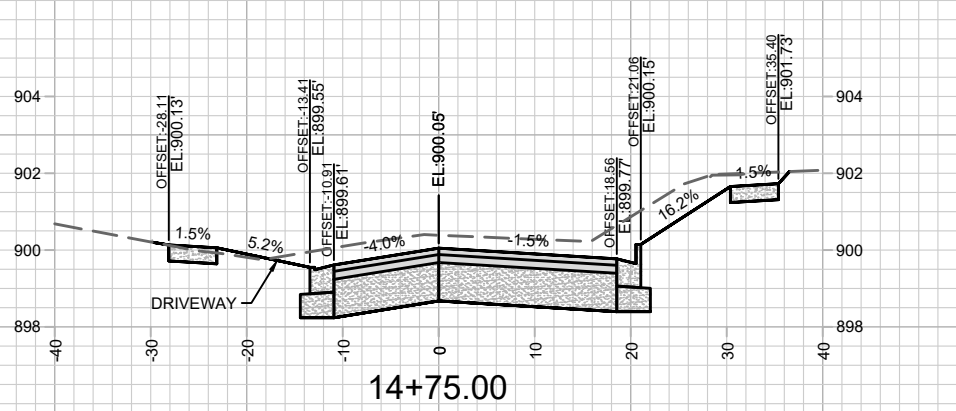
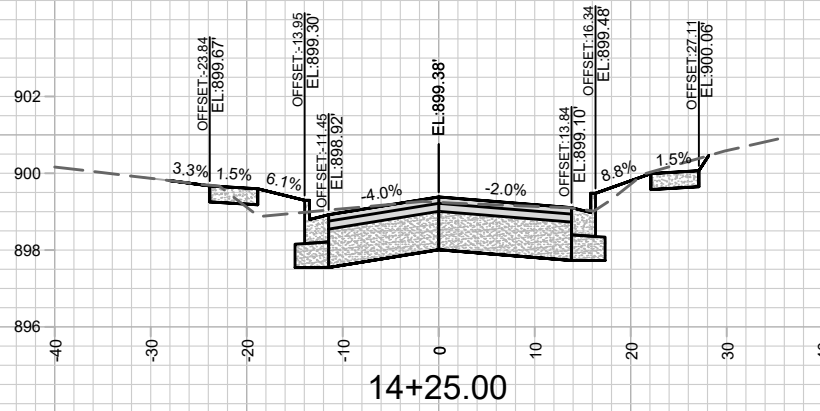
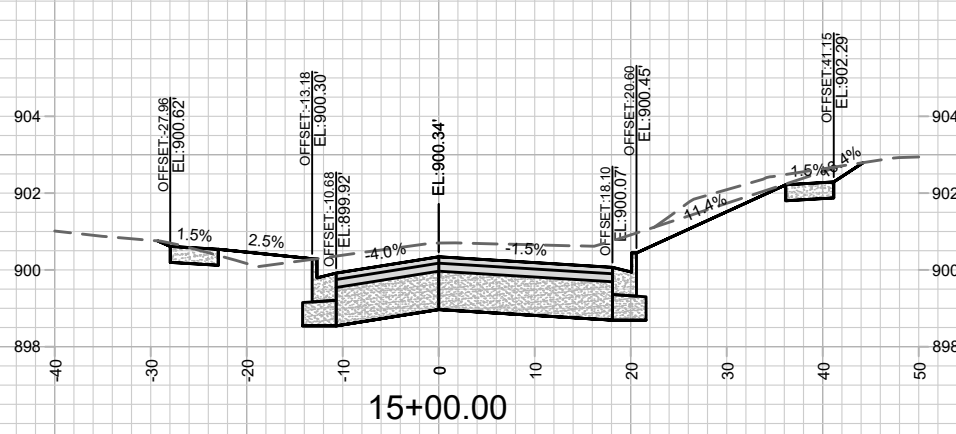
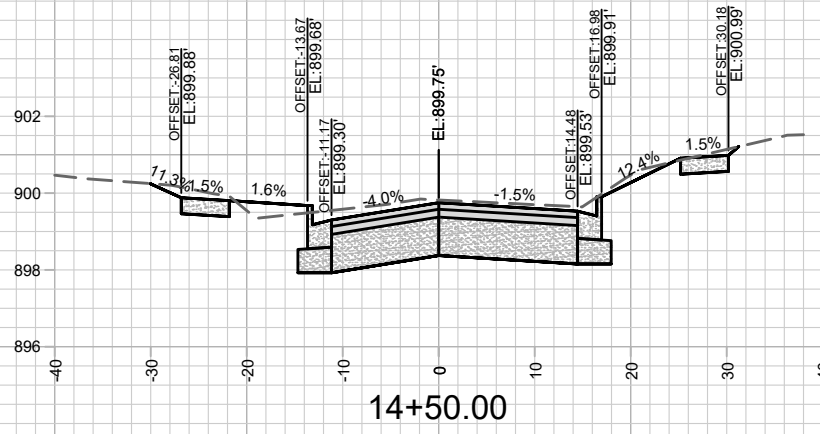
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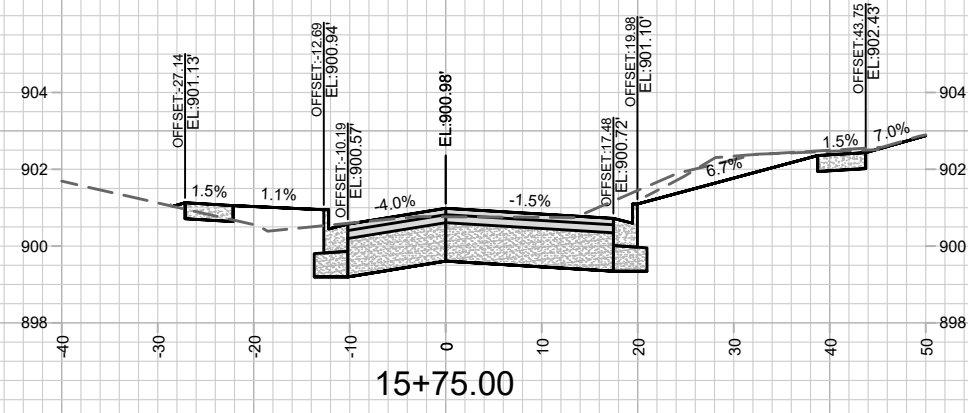
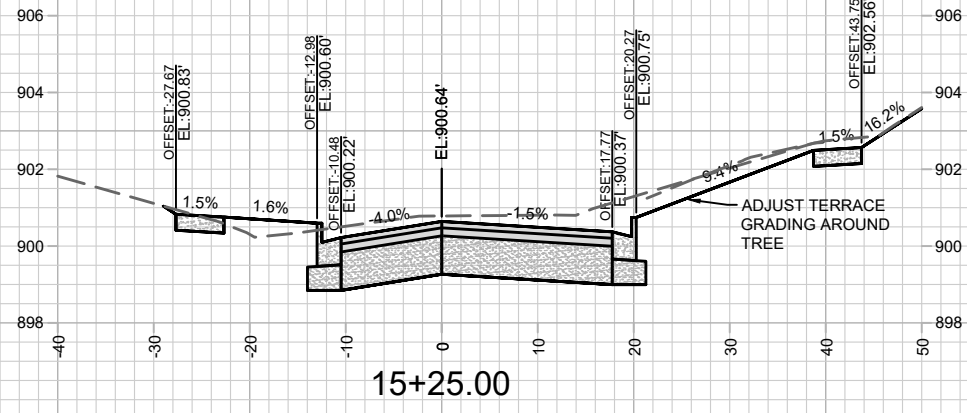
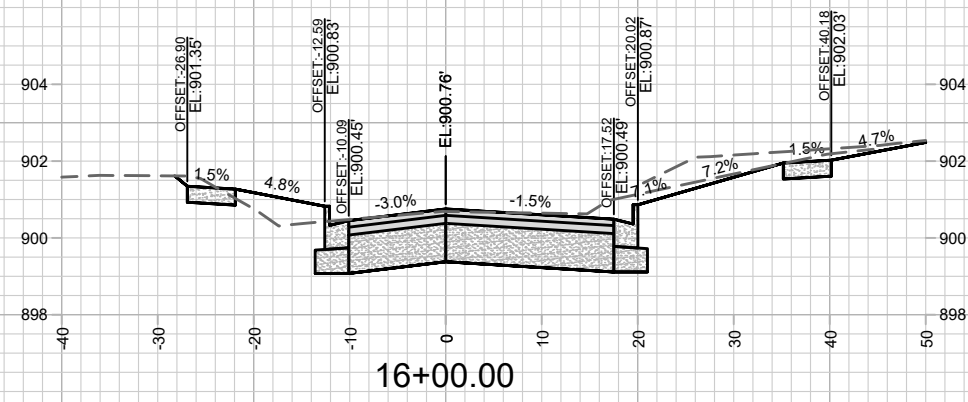
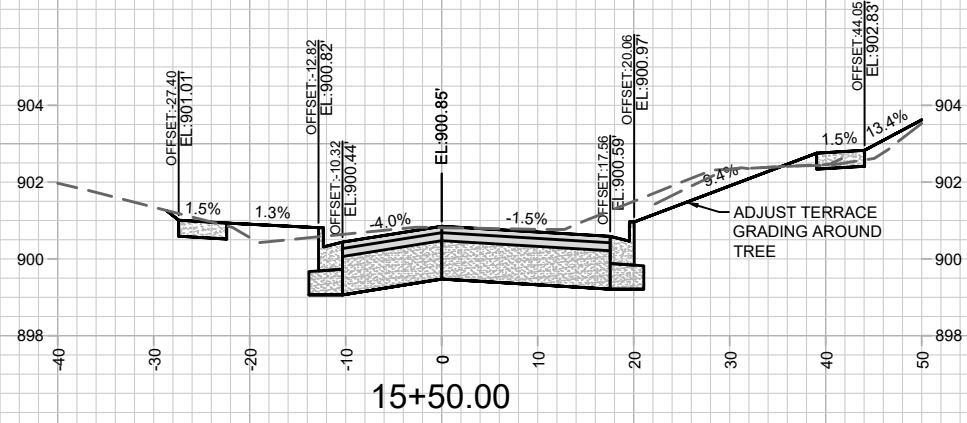
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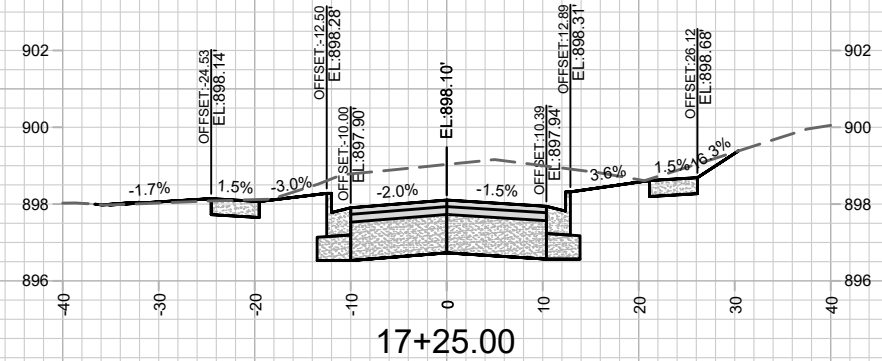
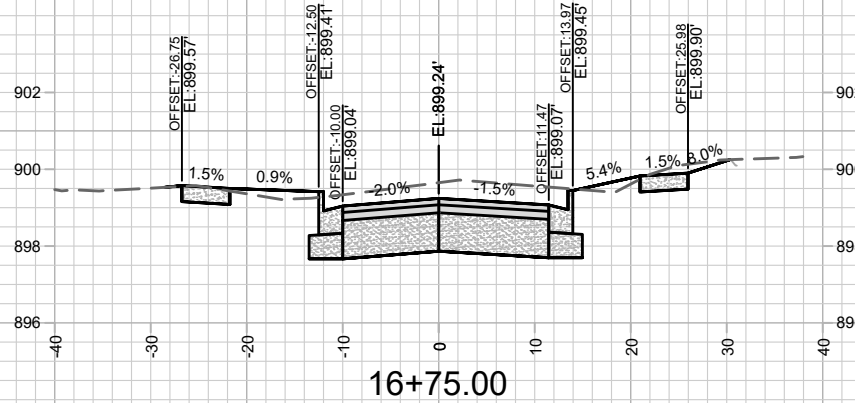
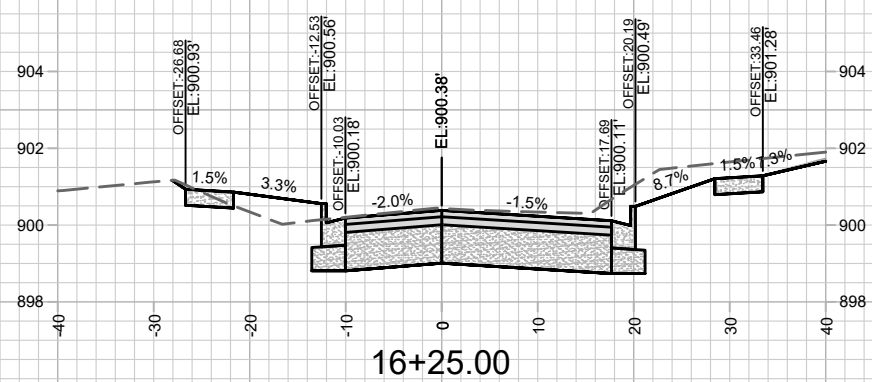
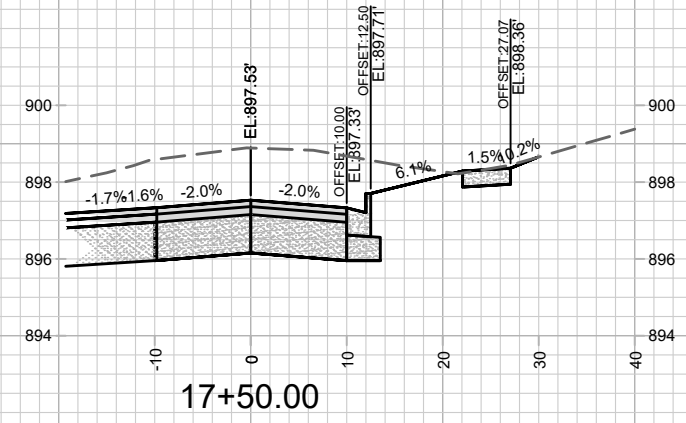
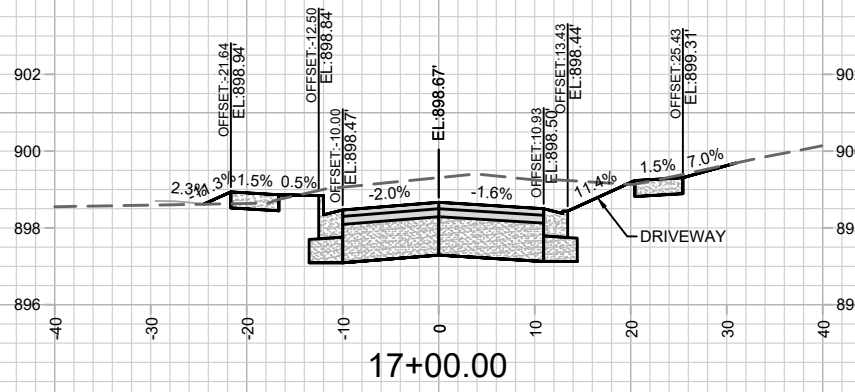
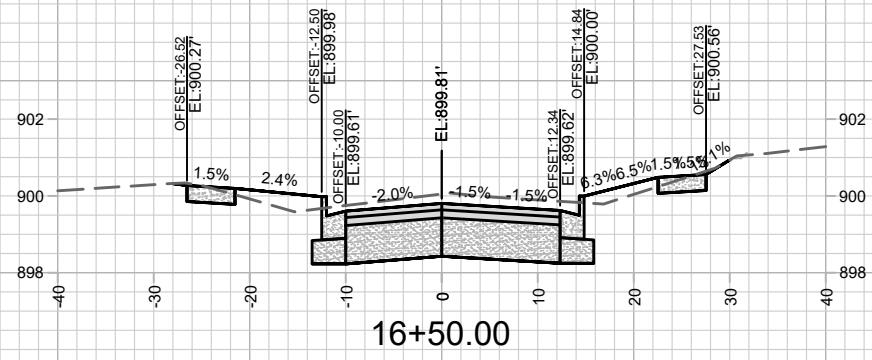


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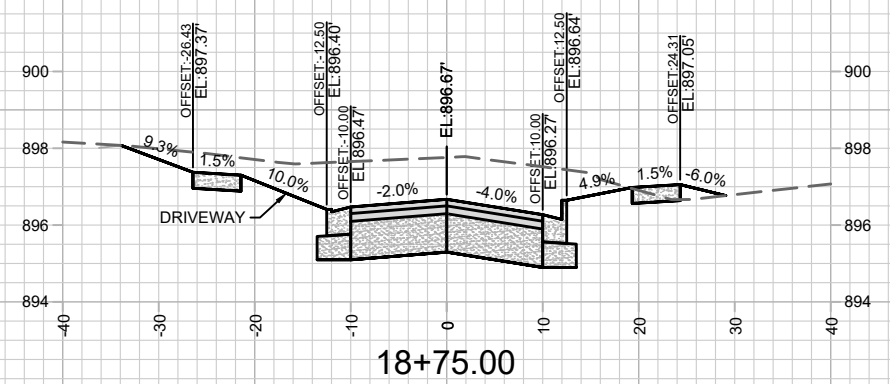
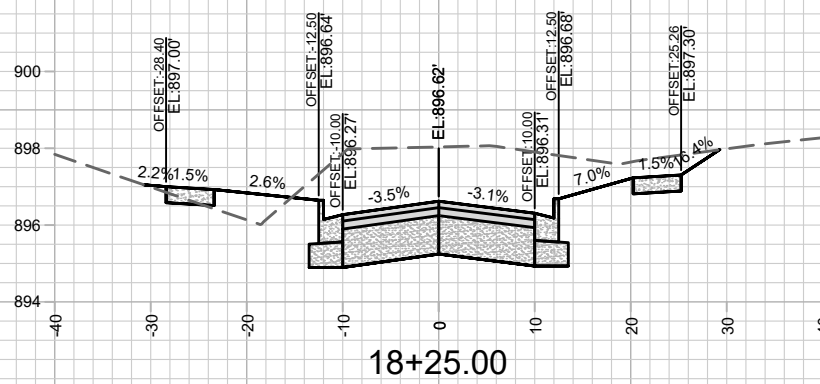
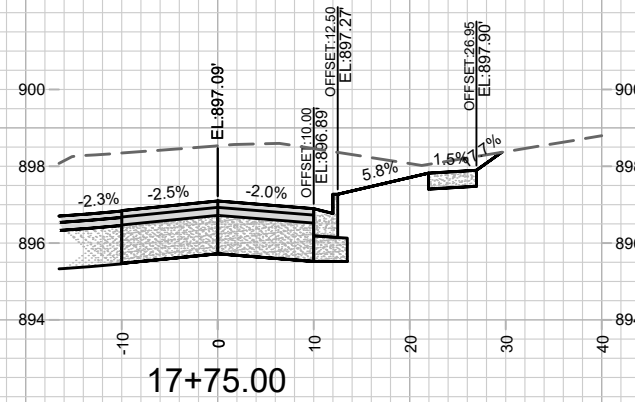
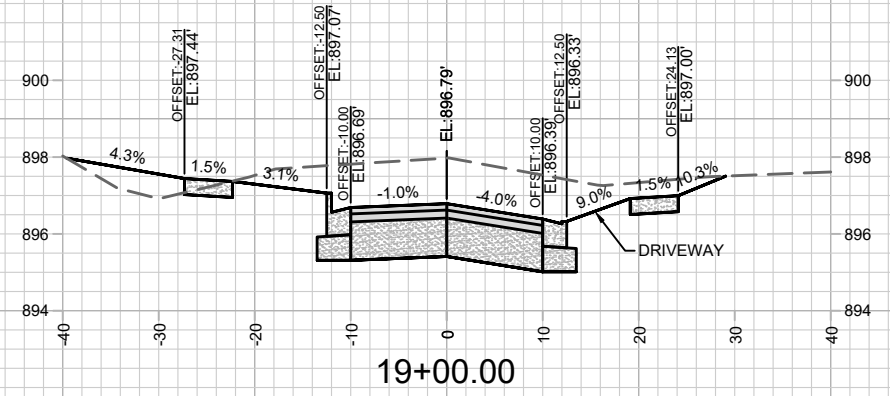
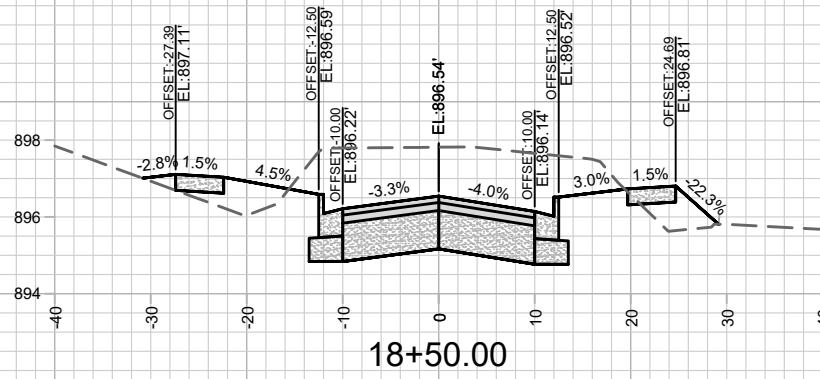
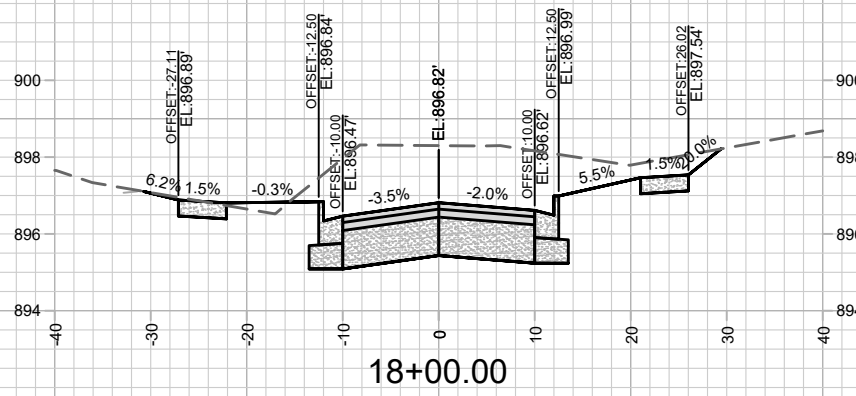


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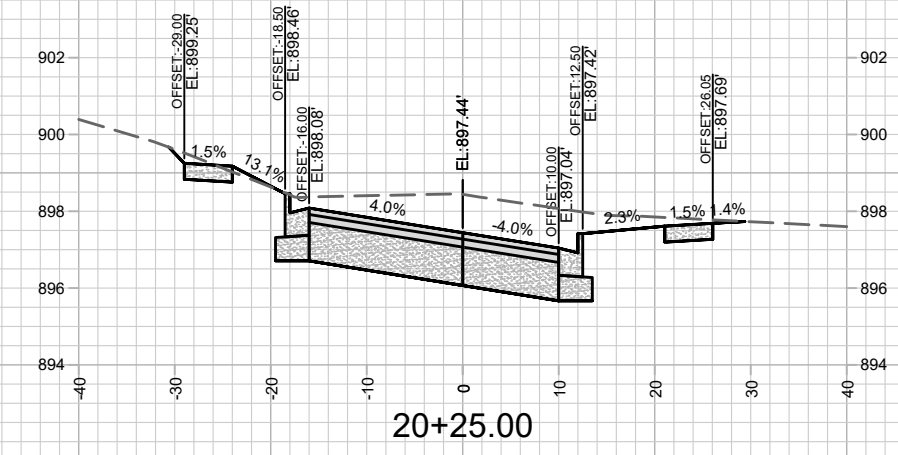
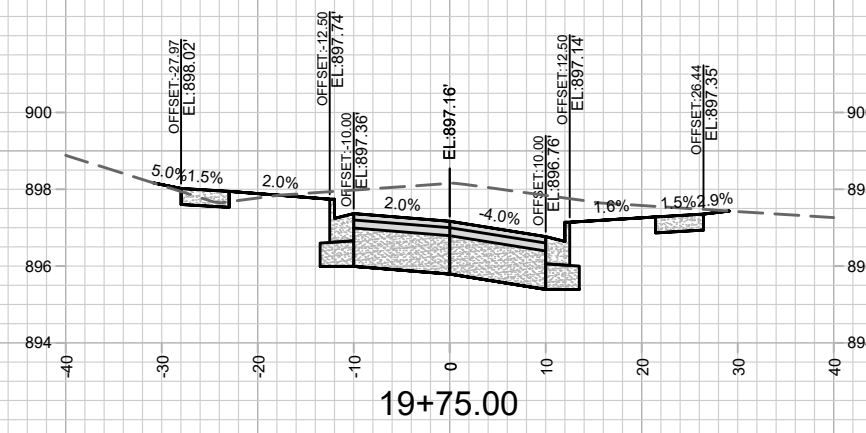
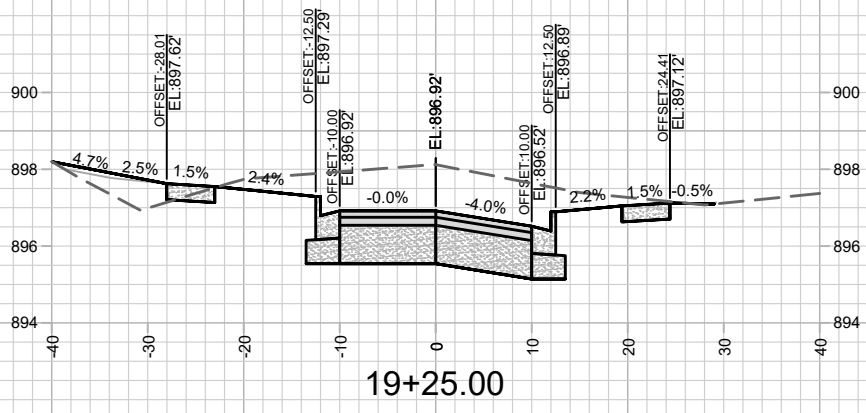
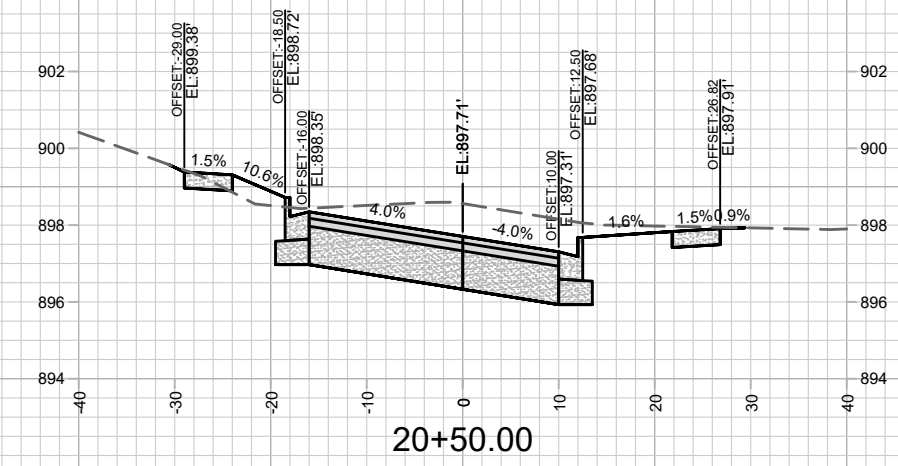
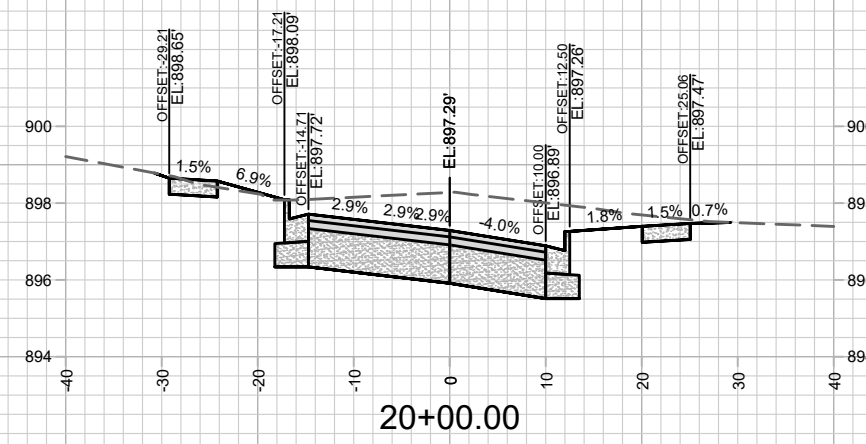
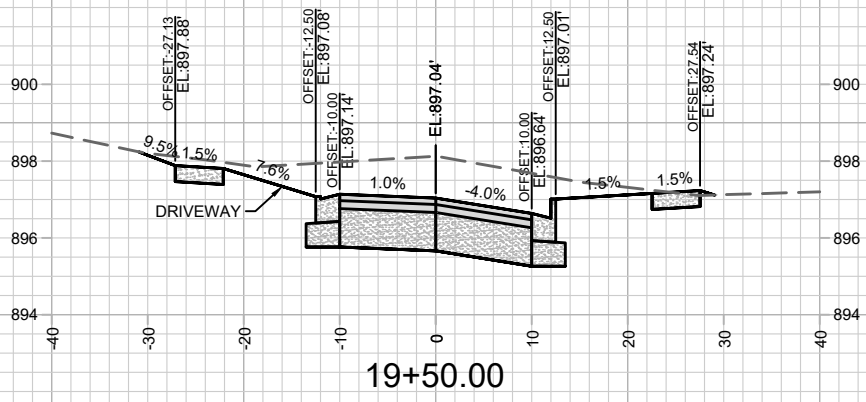


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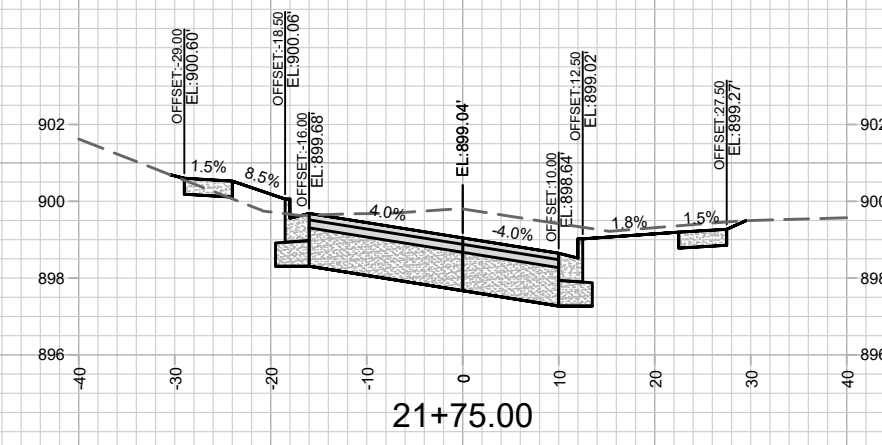
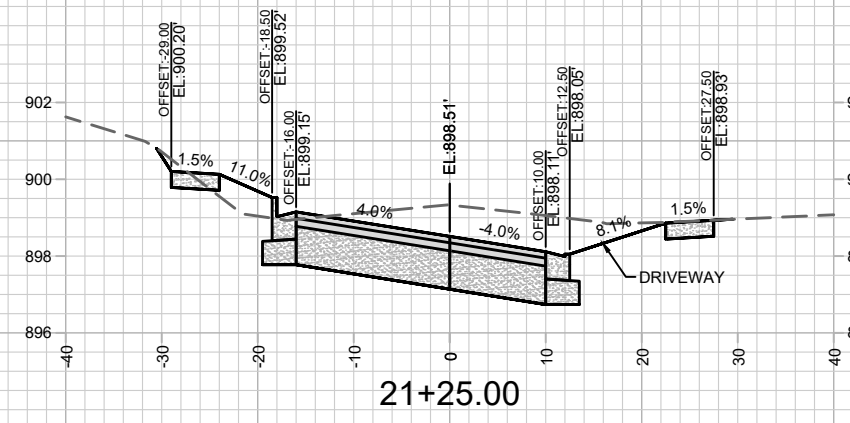
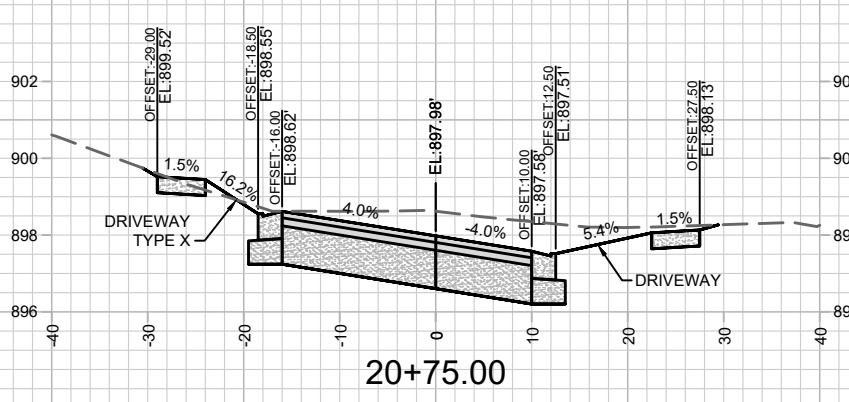
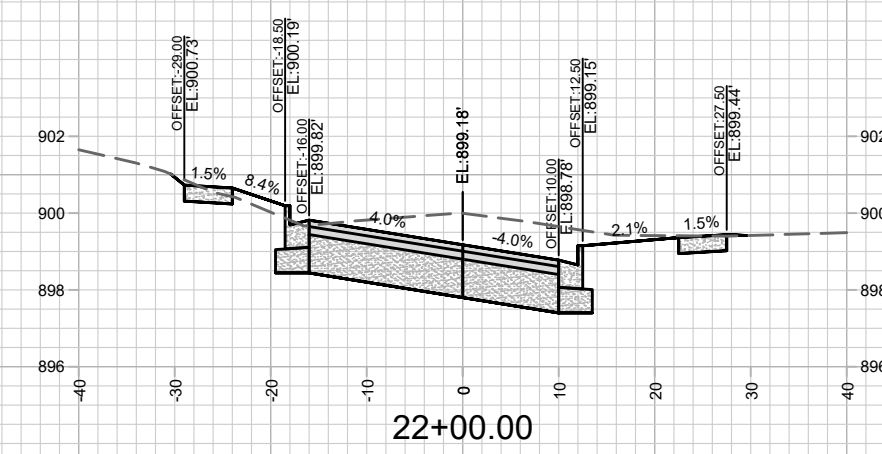
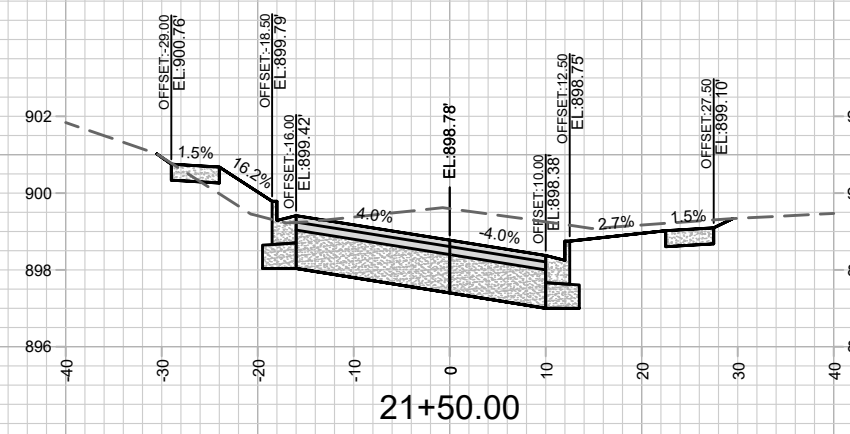
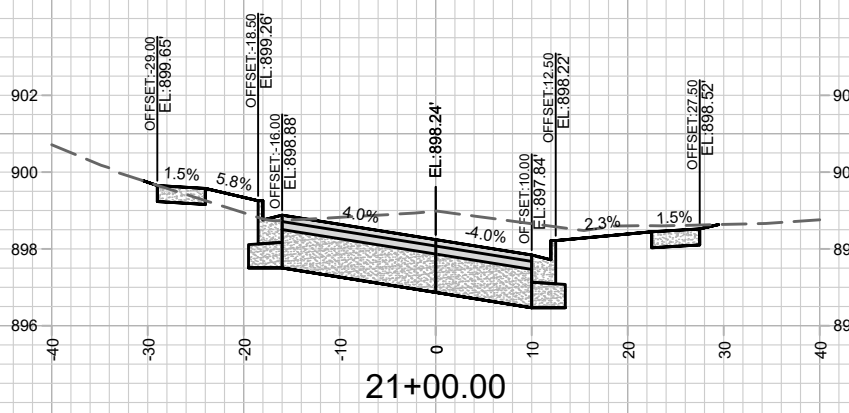
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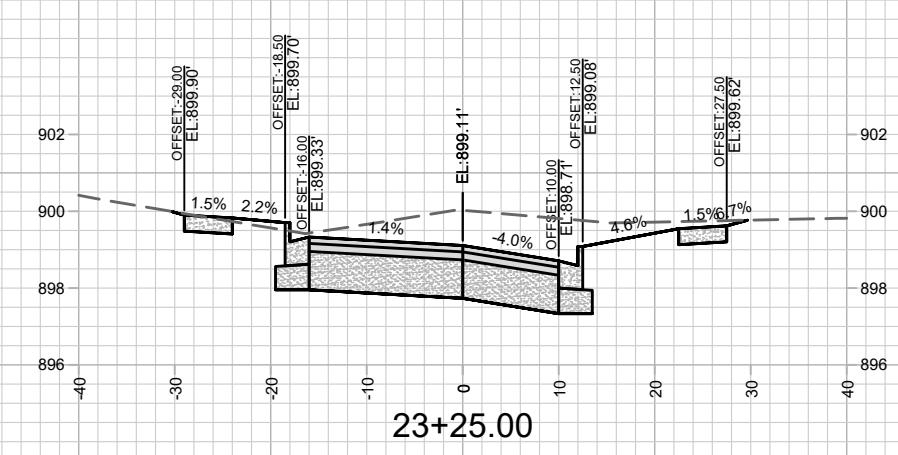
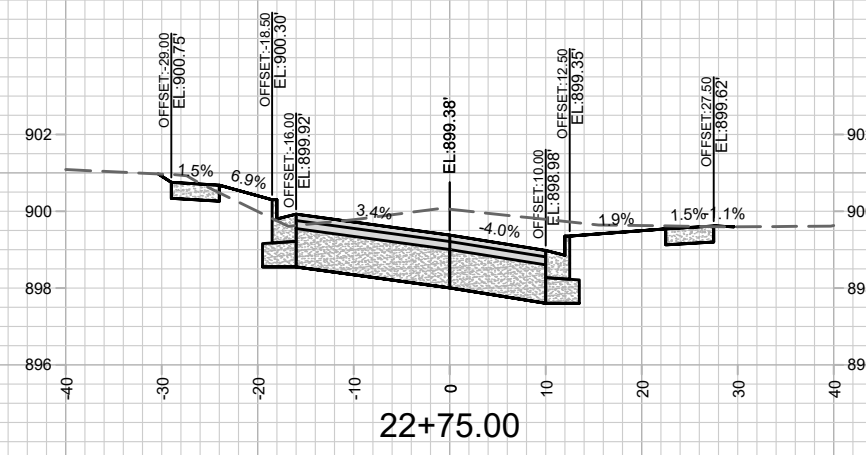
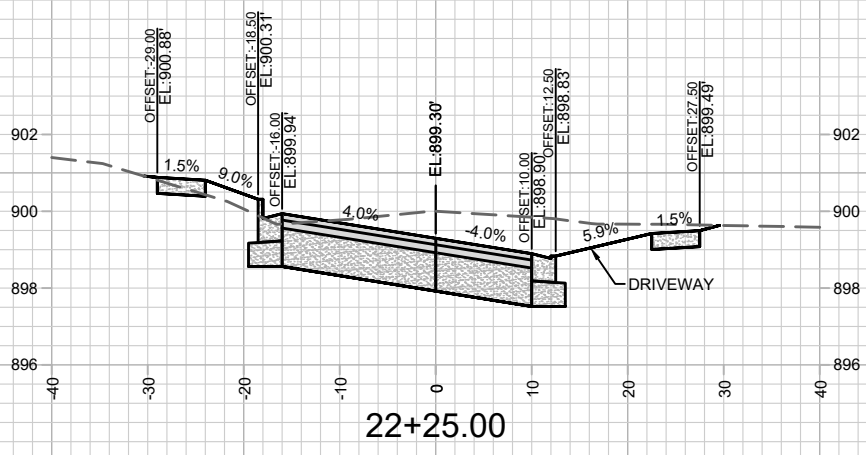
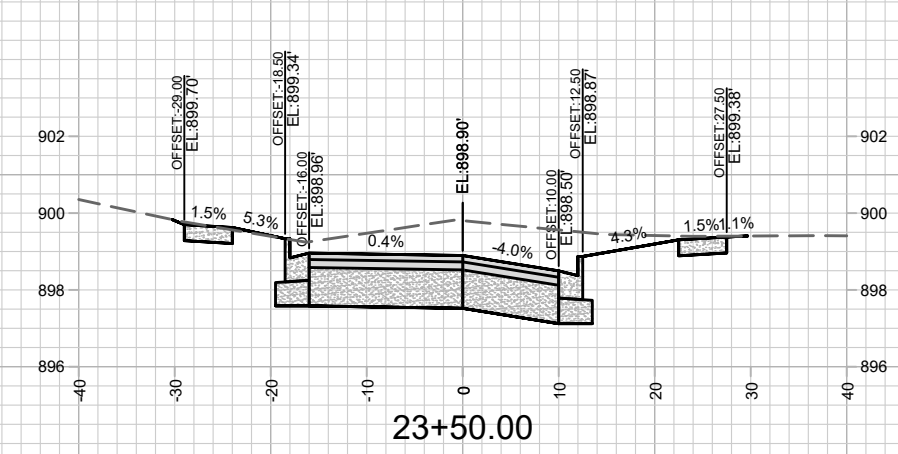
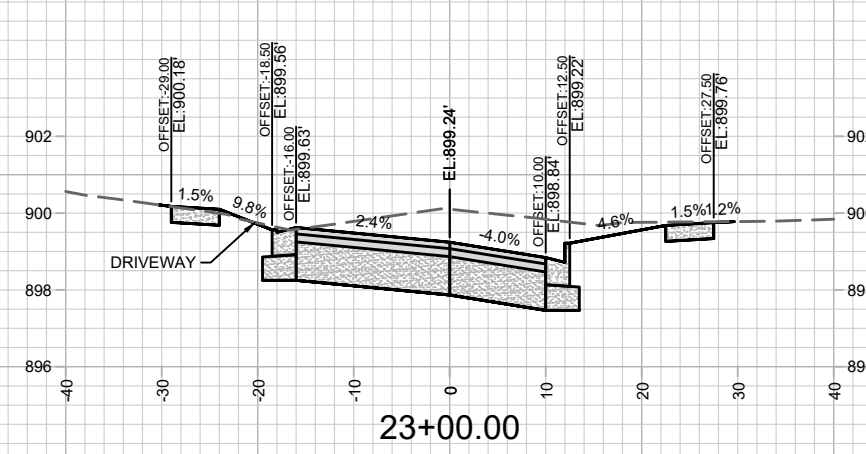
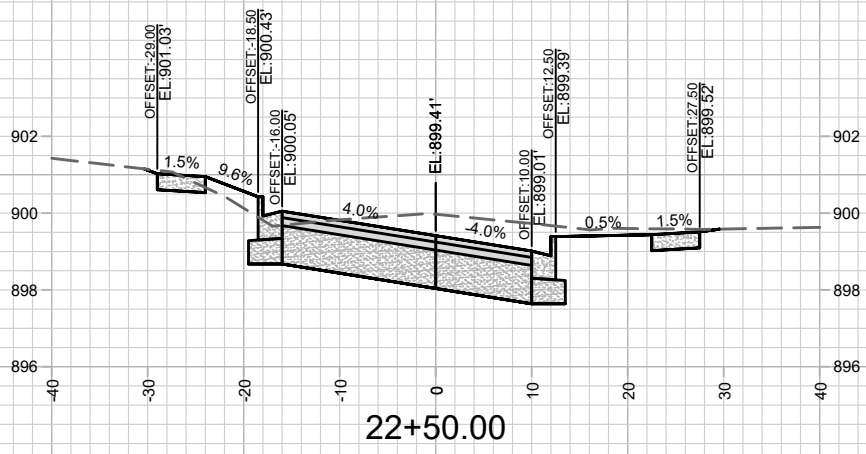


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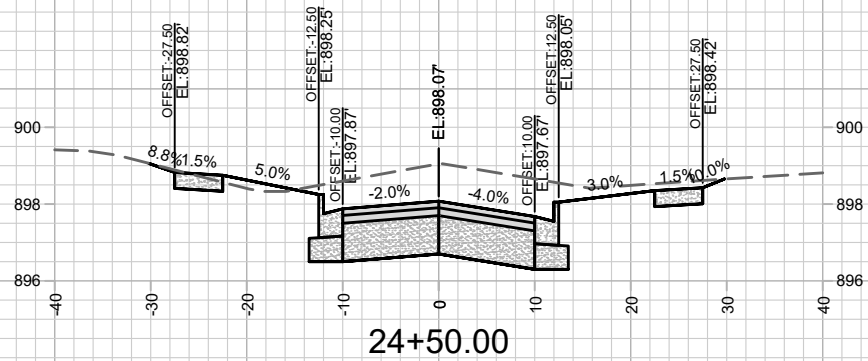
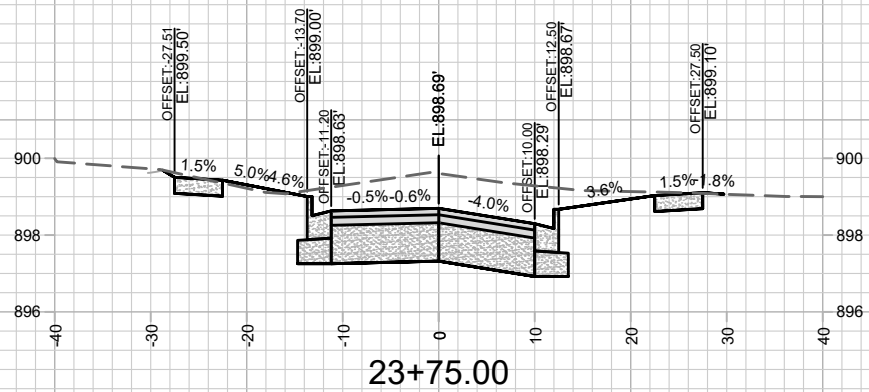
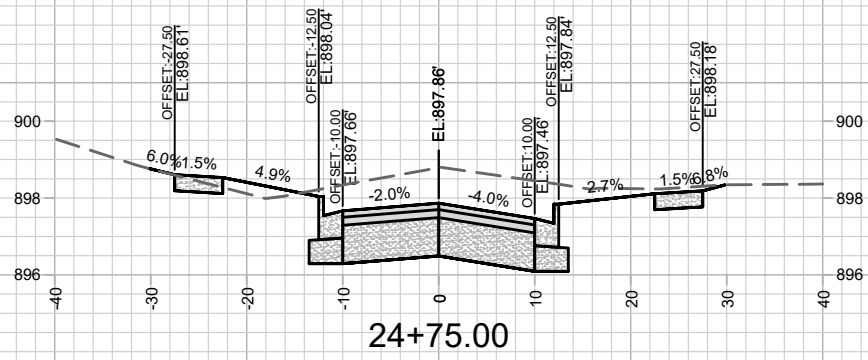
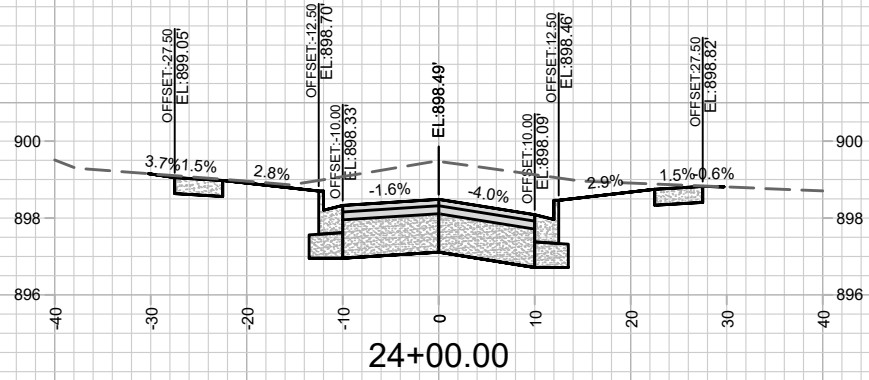
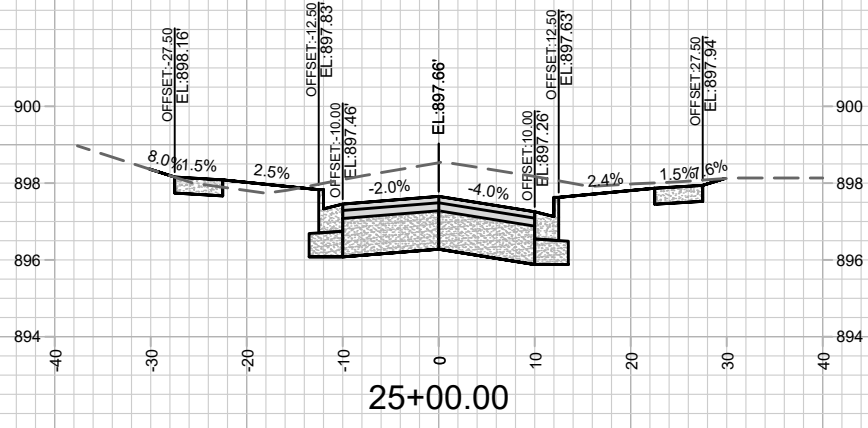
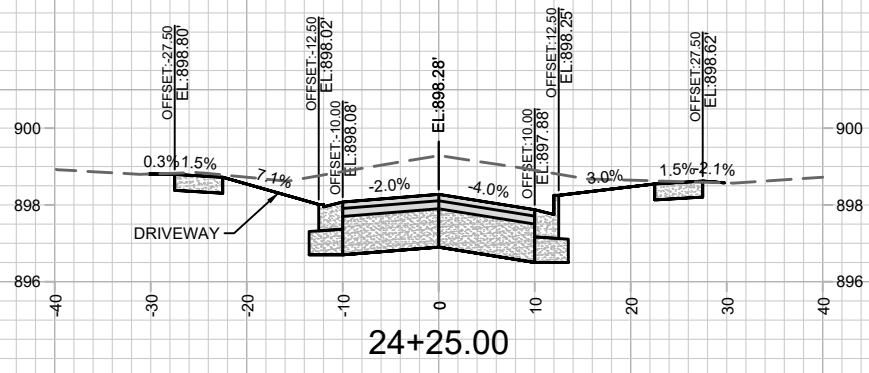


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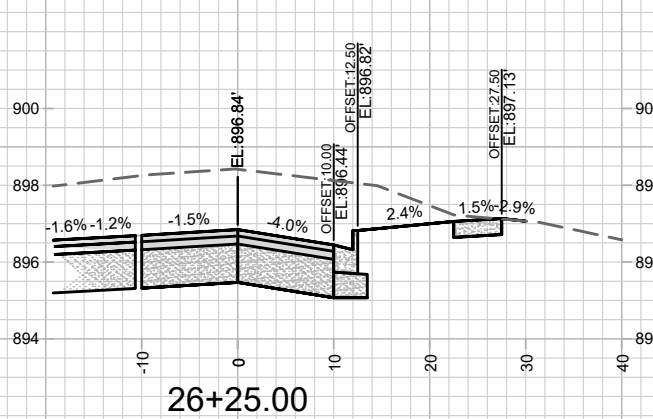
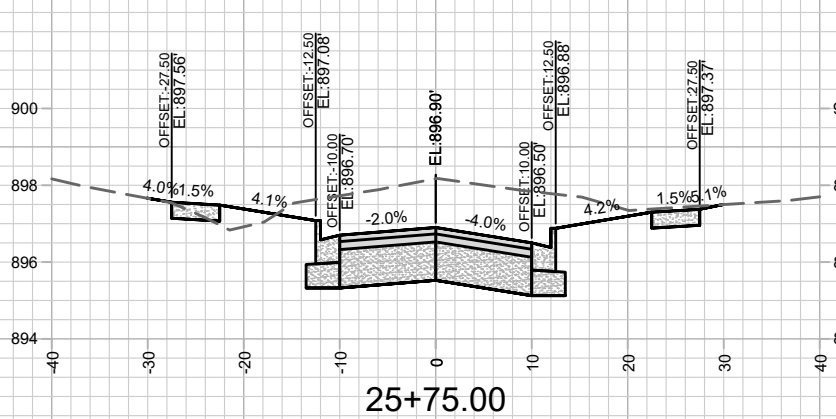
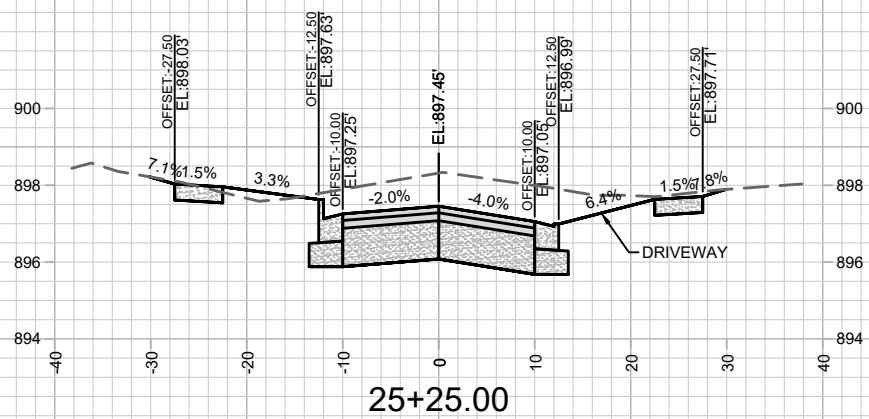
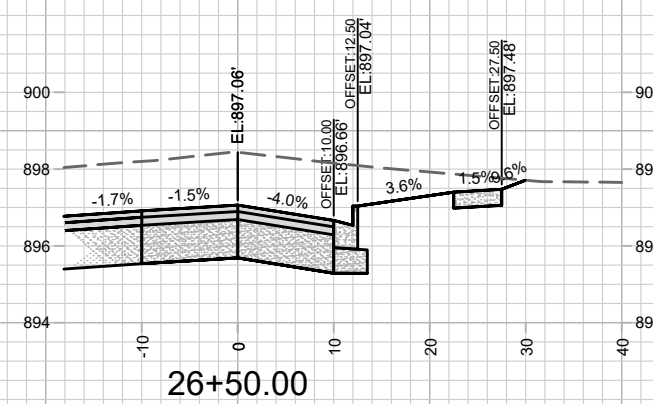
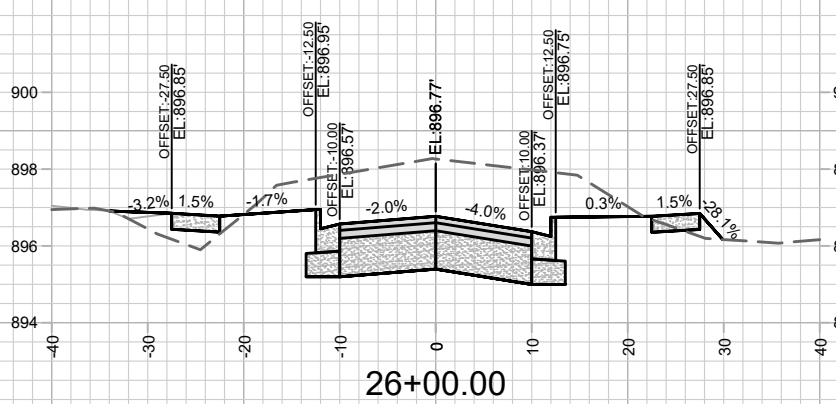
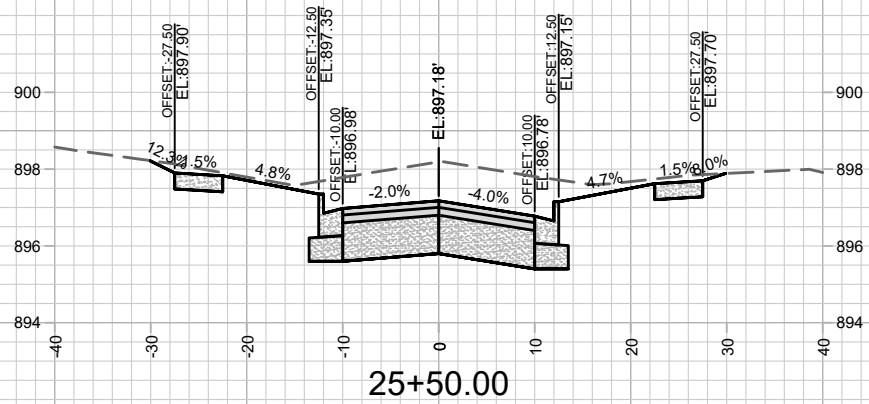
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 DEAN AVE. CROSS SECTIONS
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 MADISON, WI
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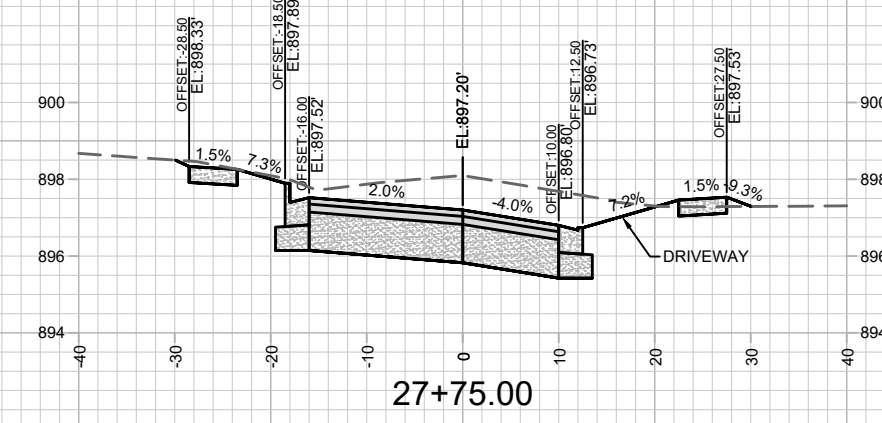
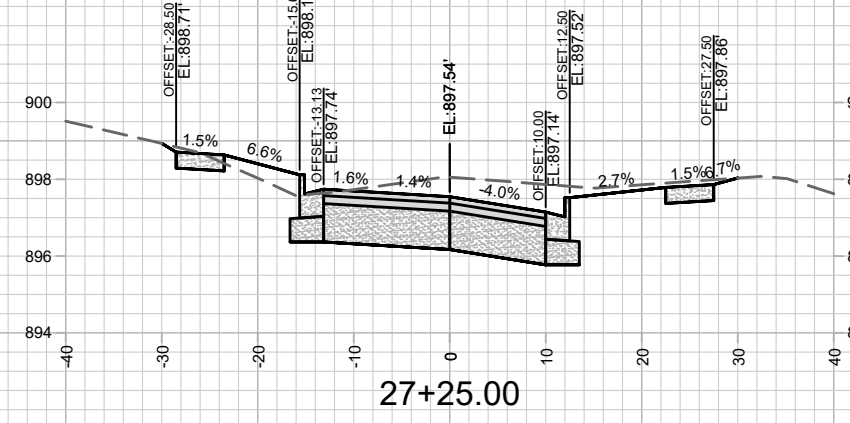
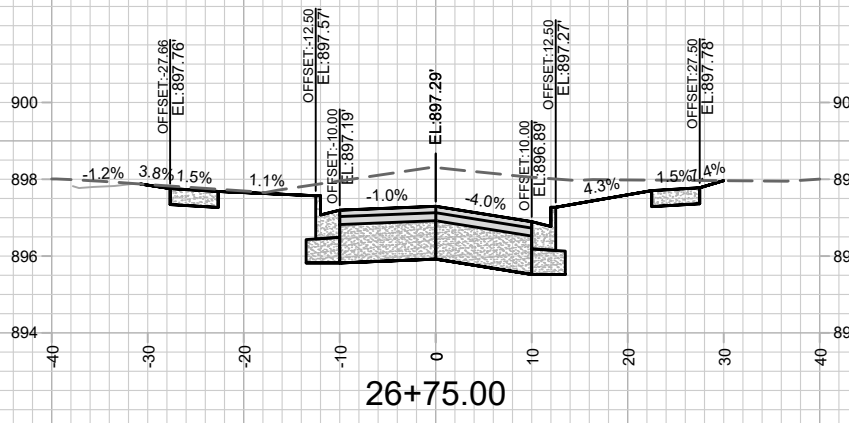
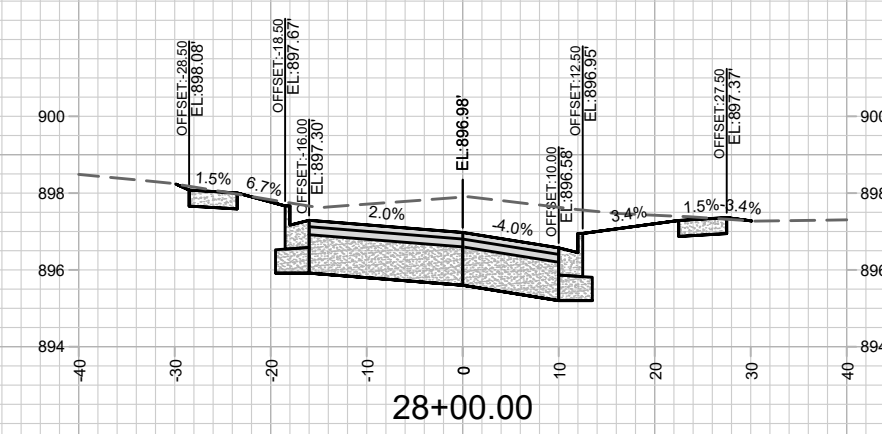
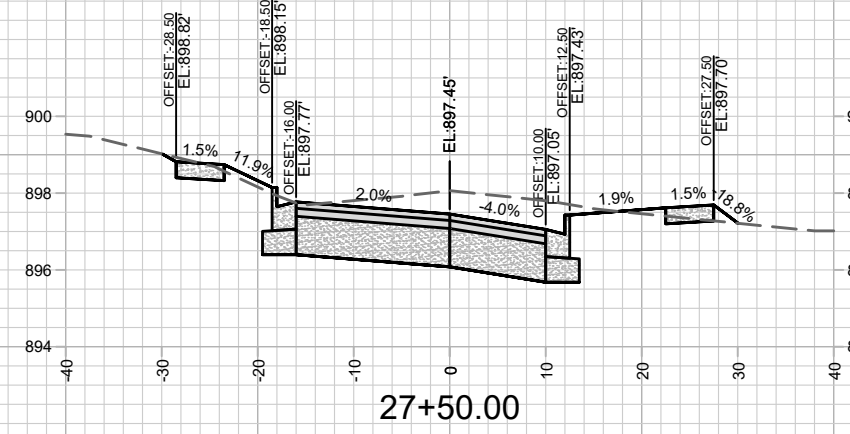
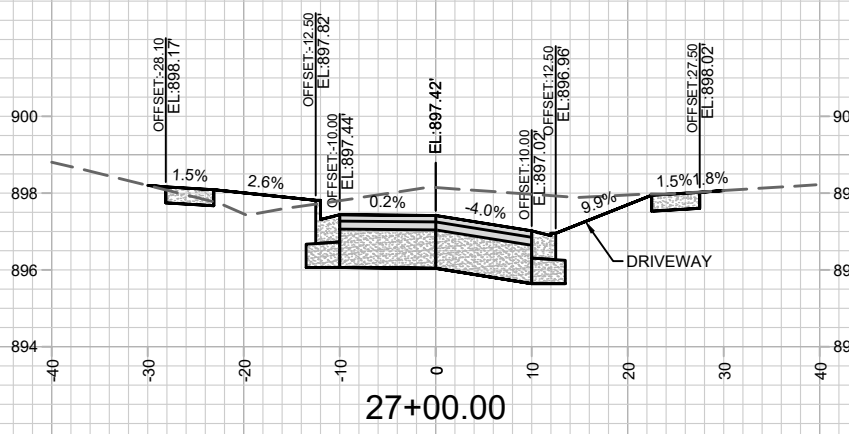
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 DEAN AVE. CROSS SECTIONS
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
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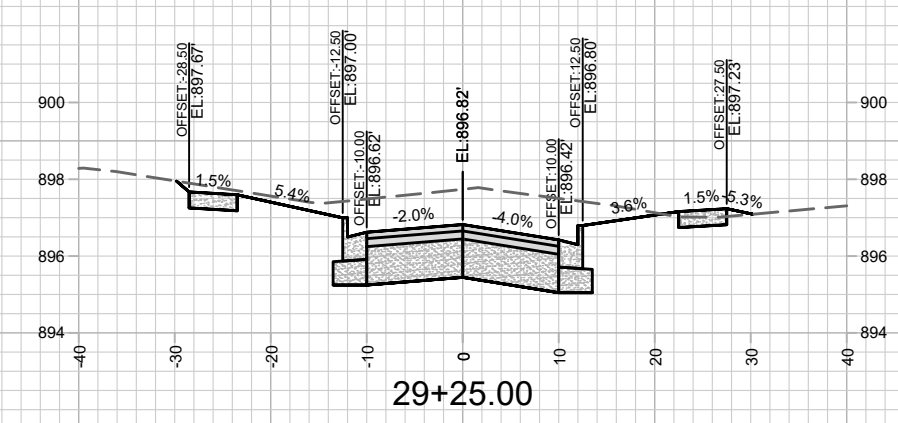
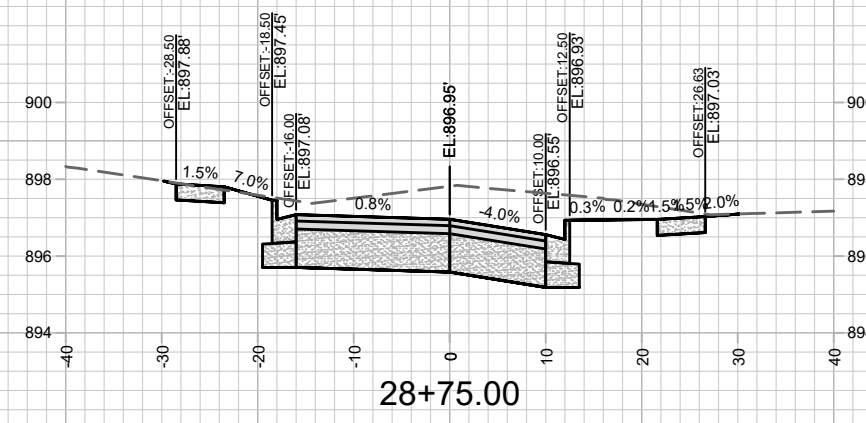
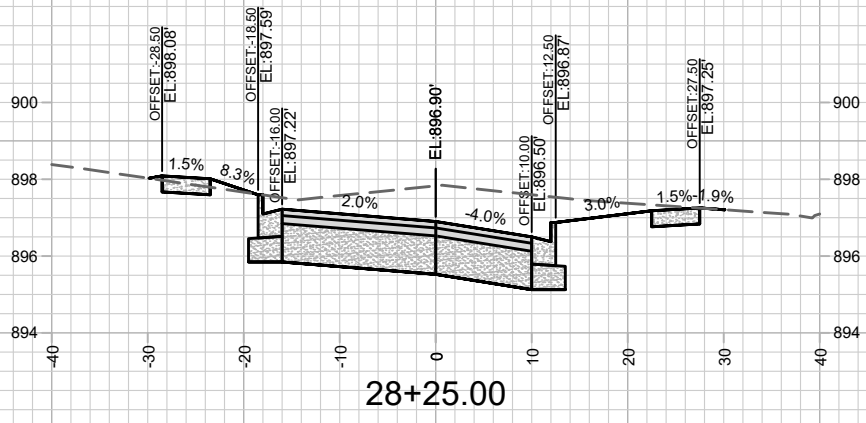
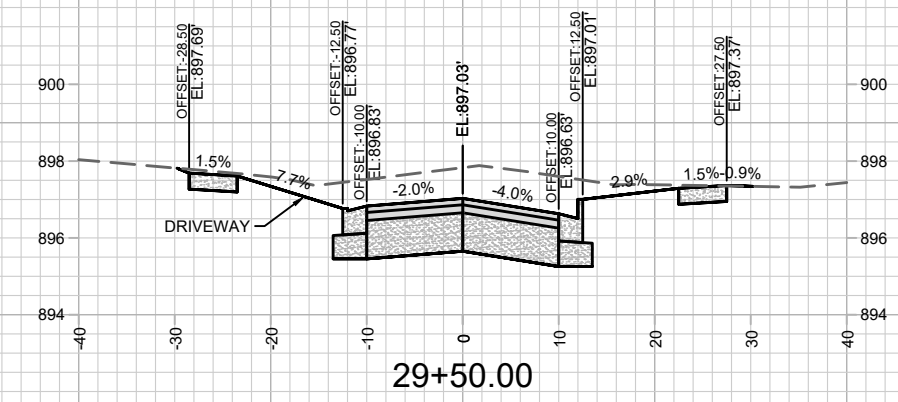
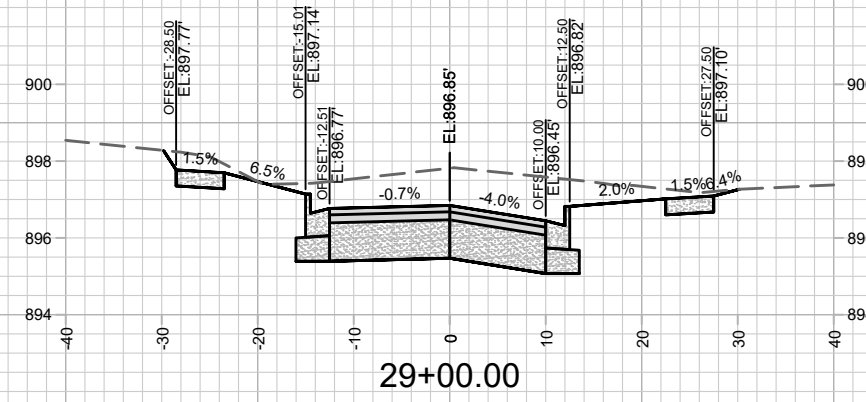
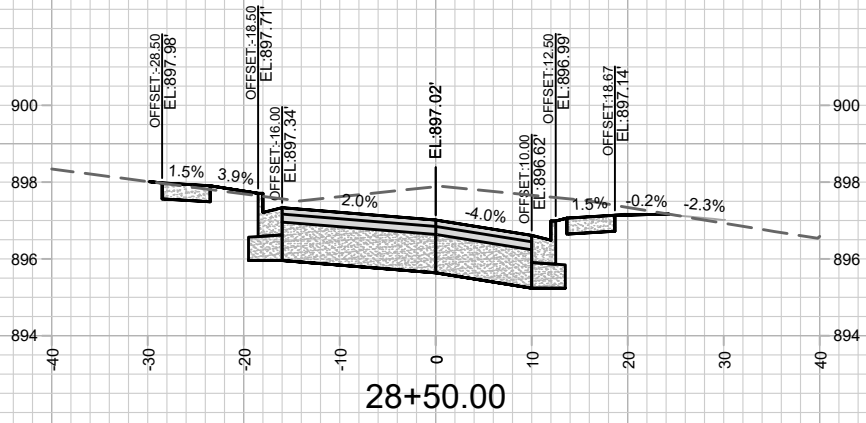
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 DEAN AVE. CROSS SECTIONS
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
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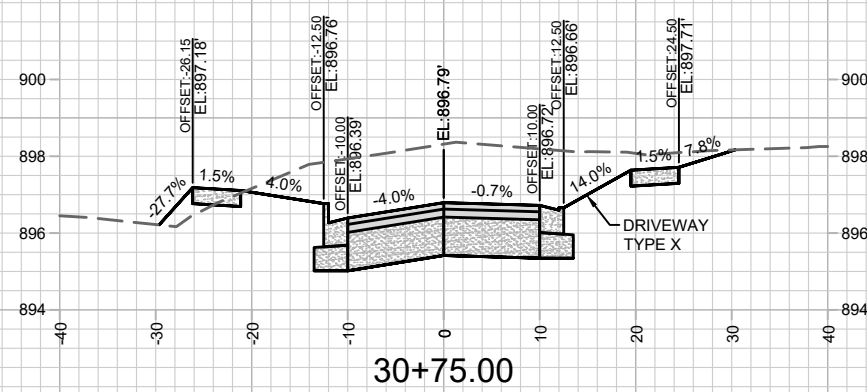
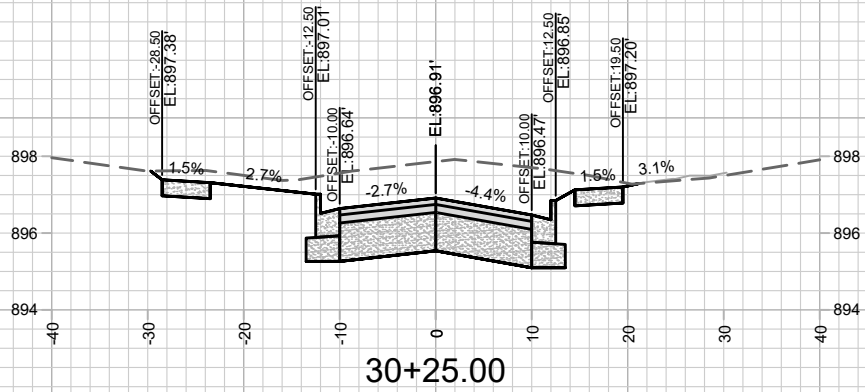
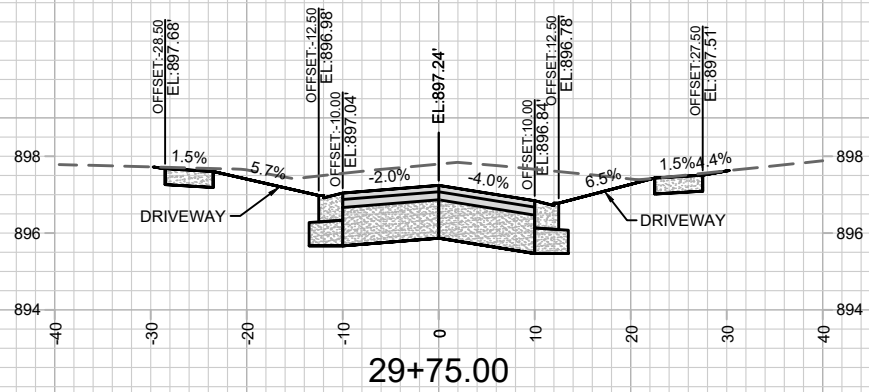
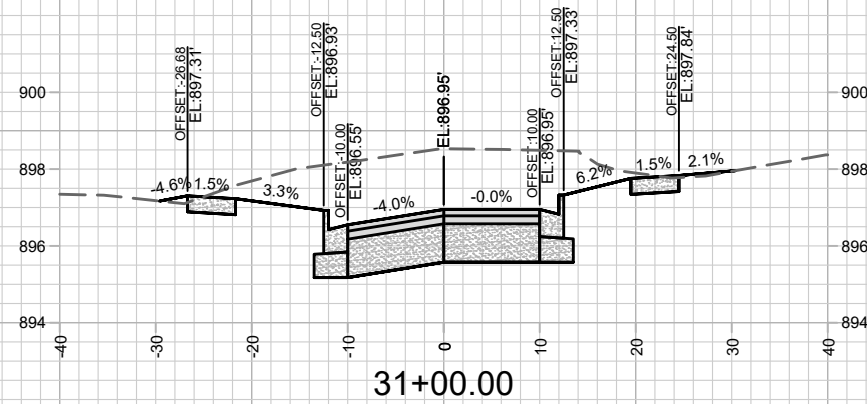
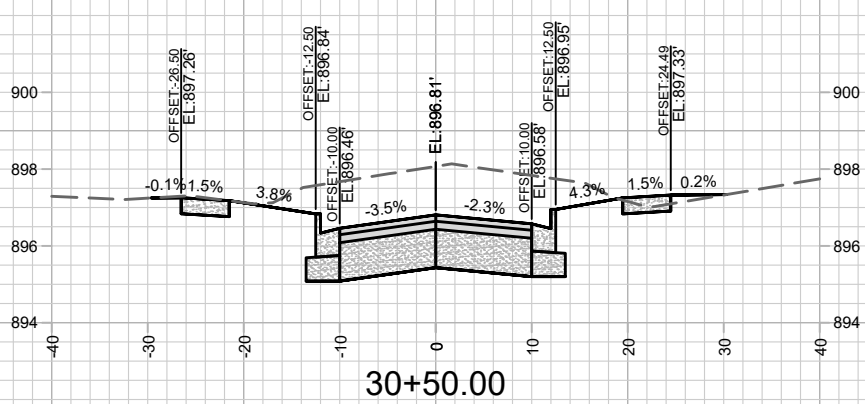
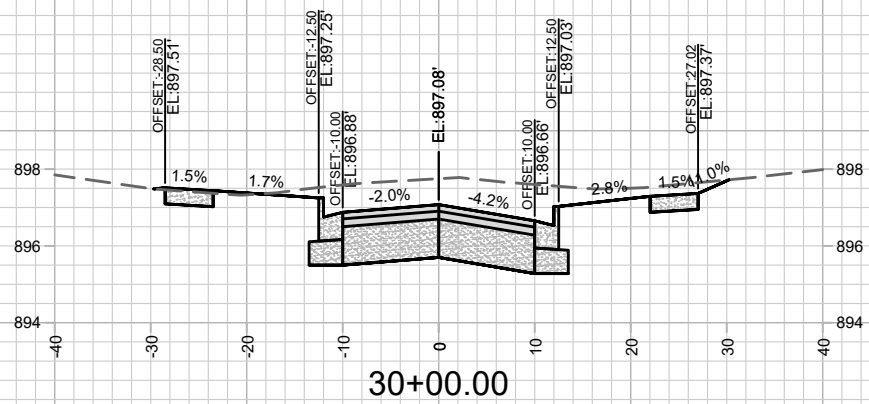
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 DEAN AVE. CROSS SECTIONS
 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021 MADISON, WI
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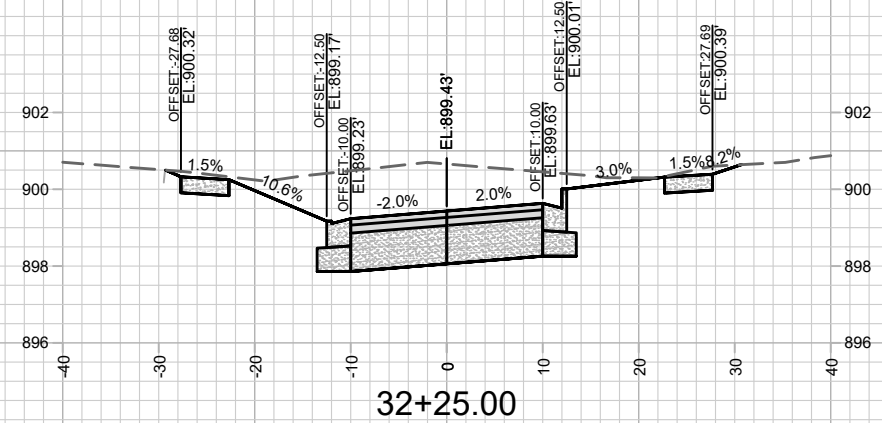
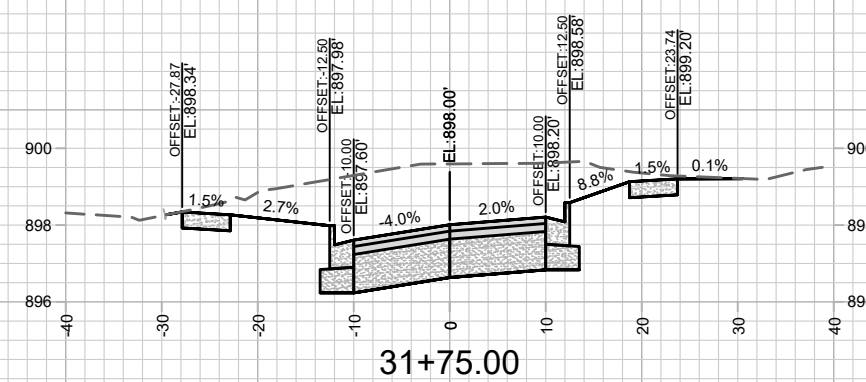
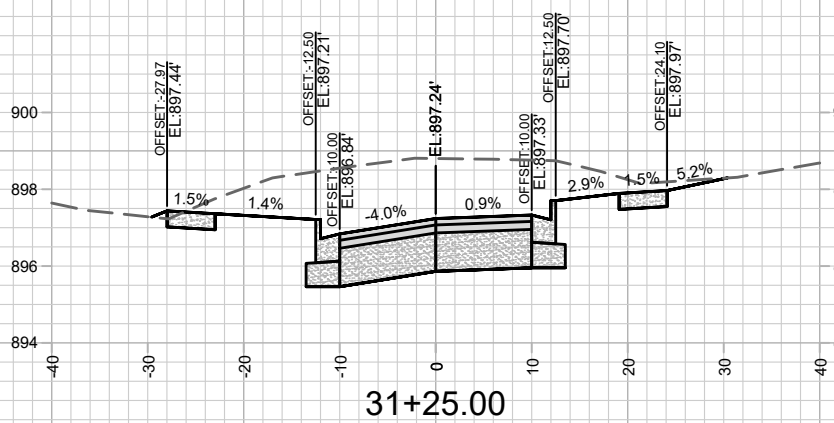
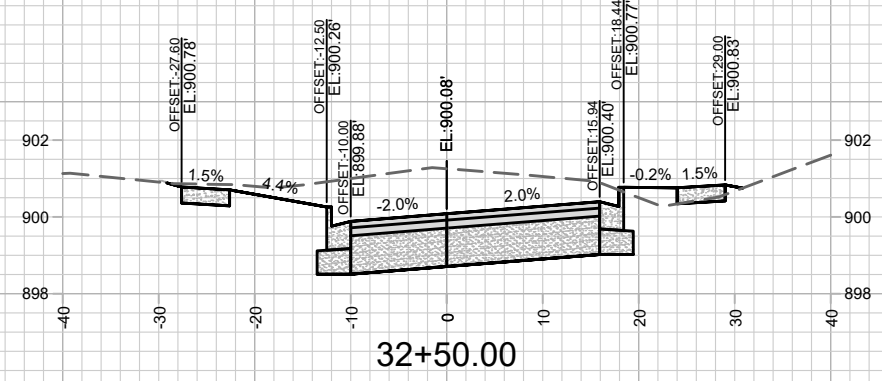
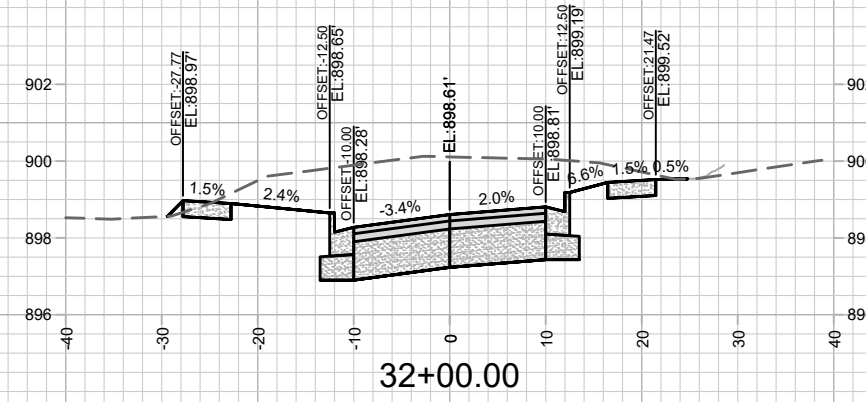
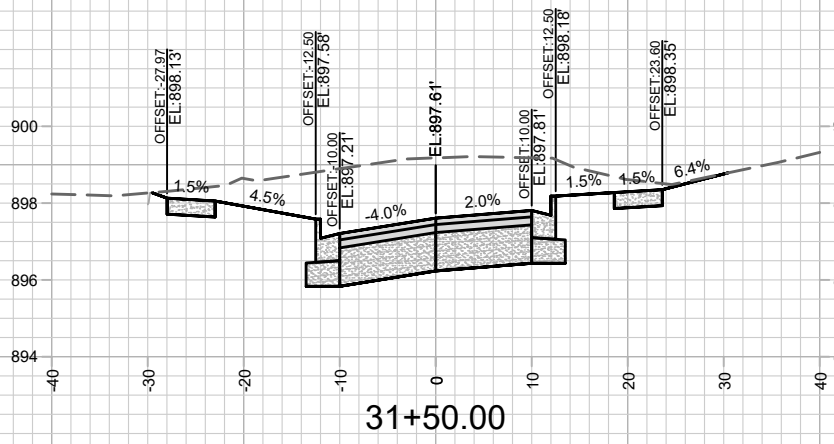
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 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
 MADISON, WI
 CONTRACT NO.: 7838
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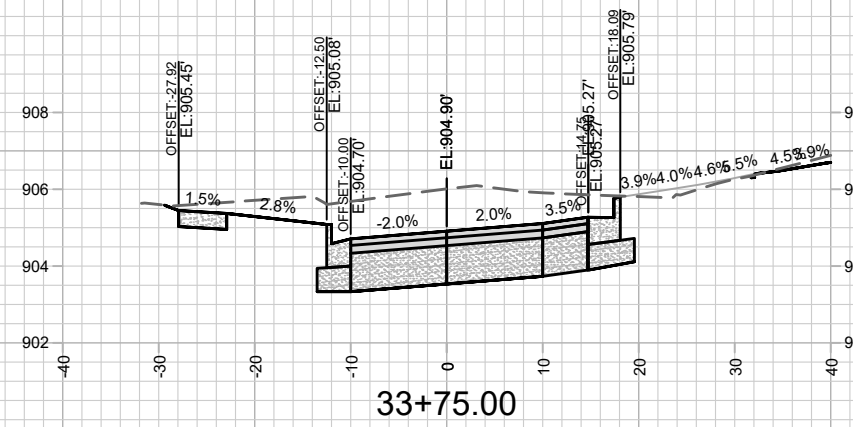
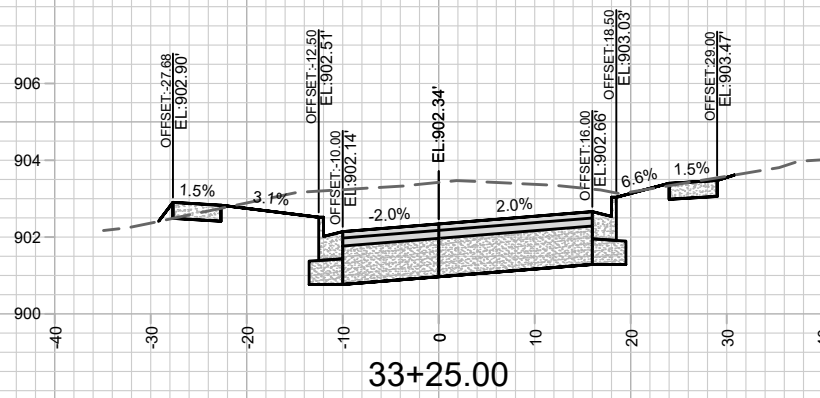
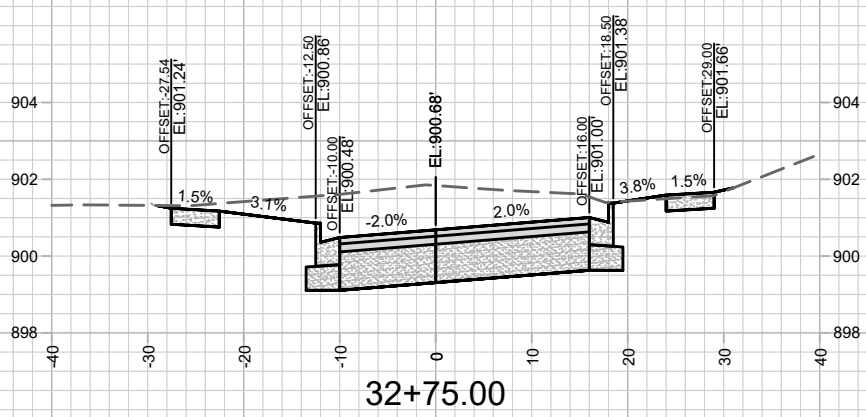
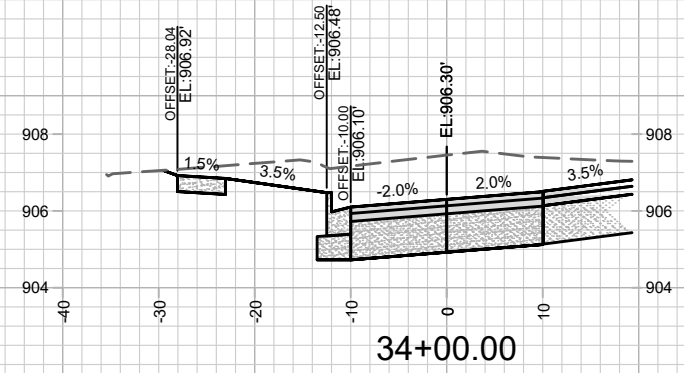
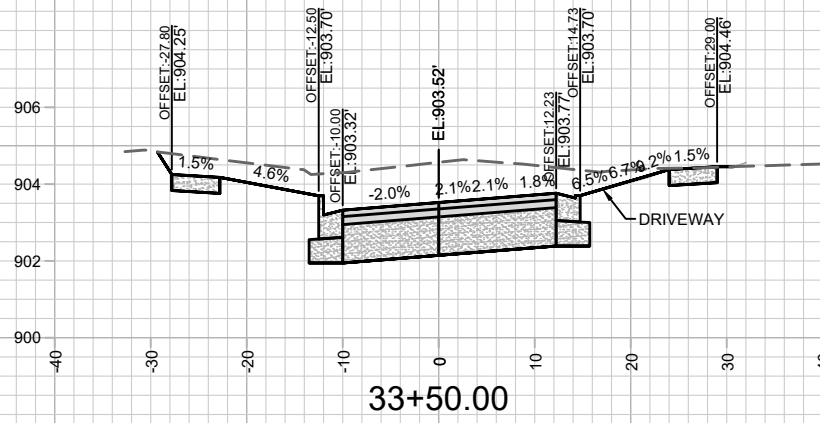
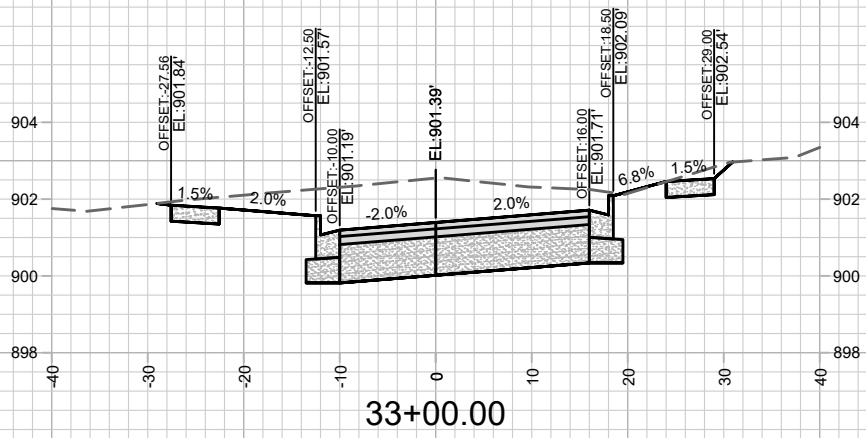
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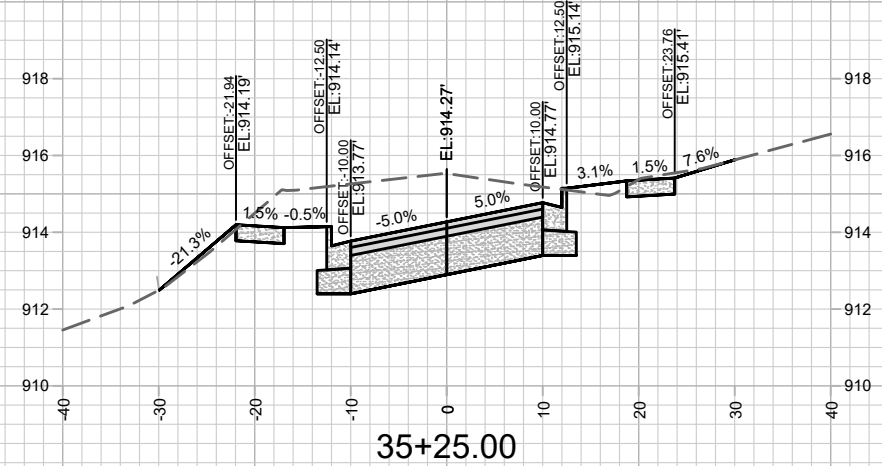
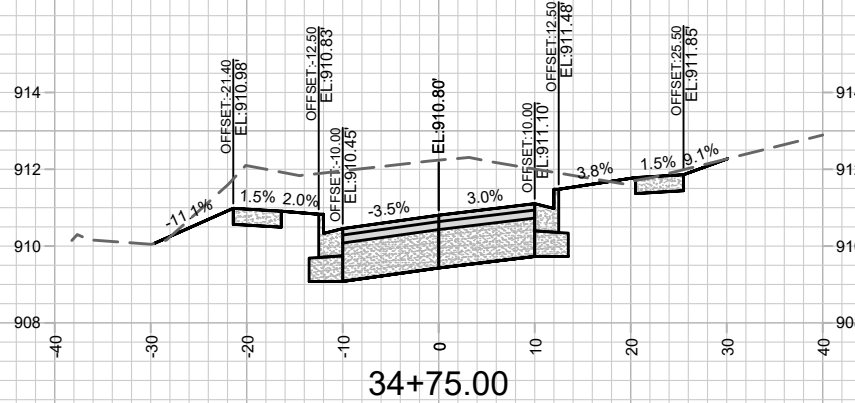
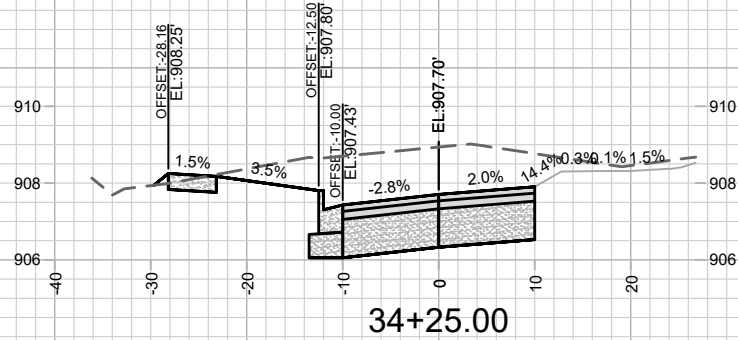
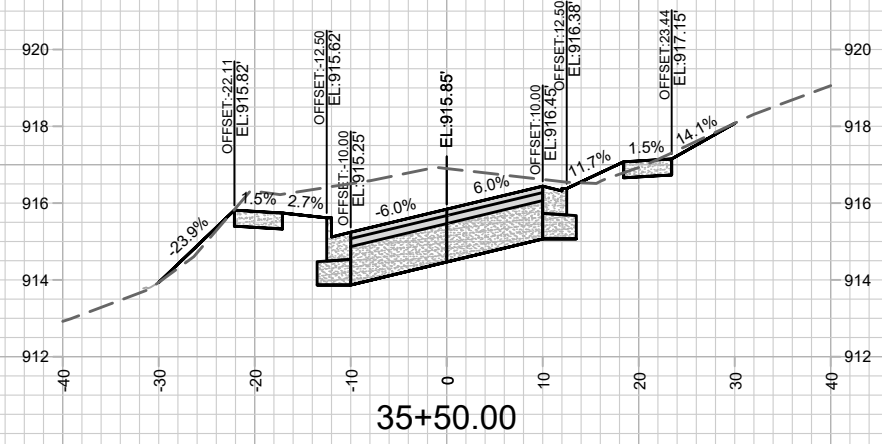
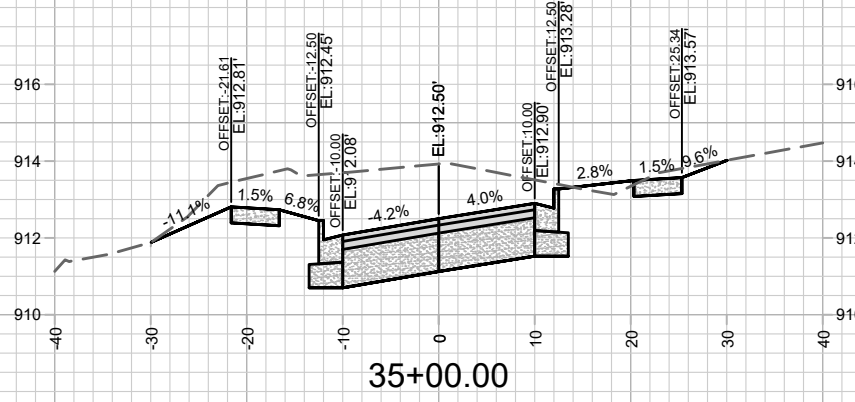
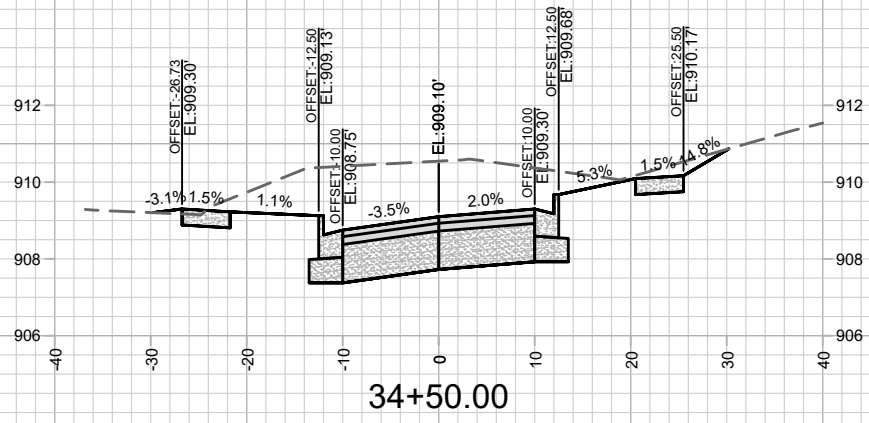
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 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
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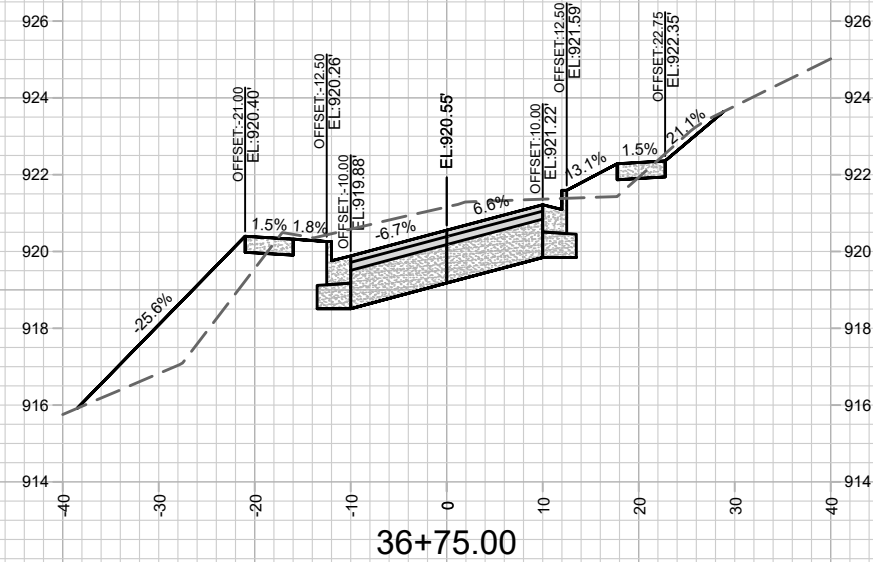
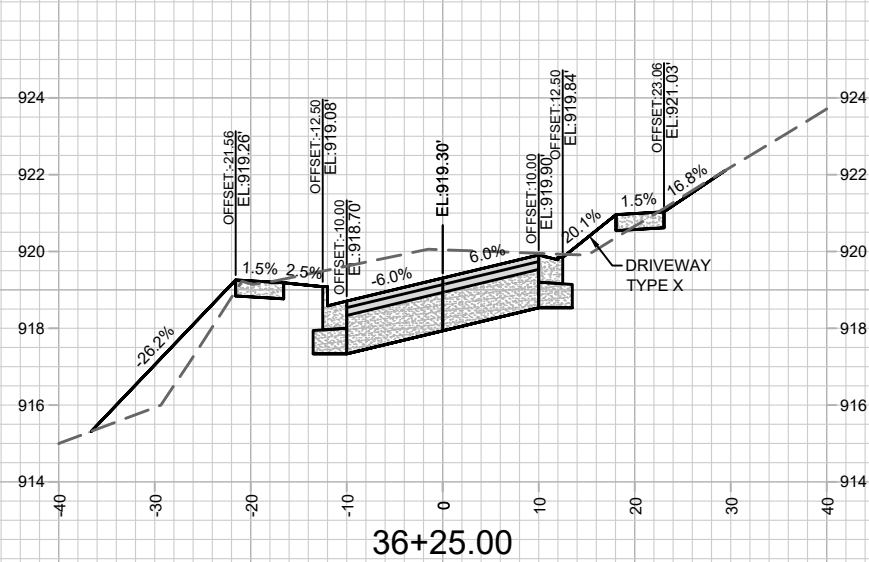
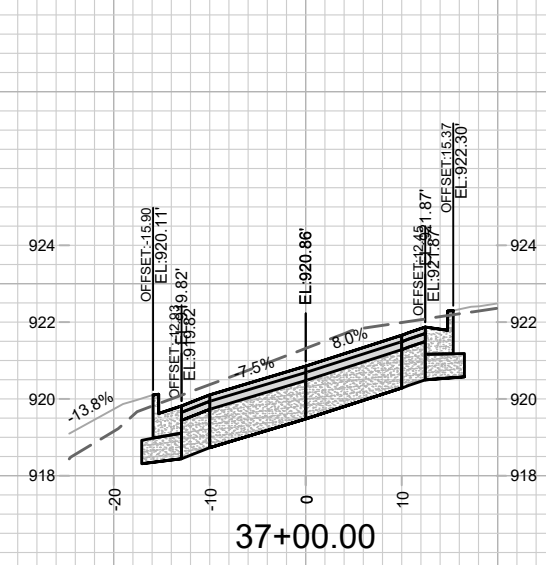
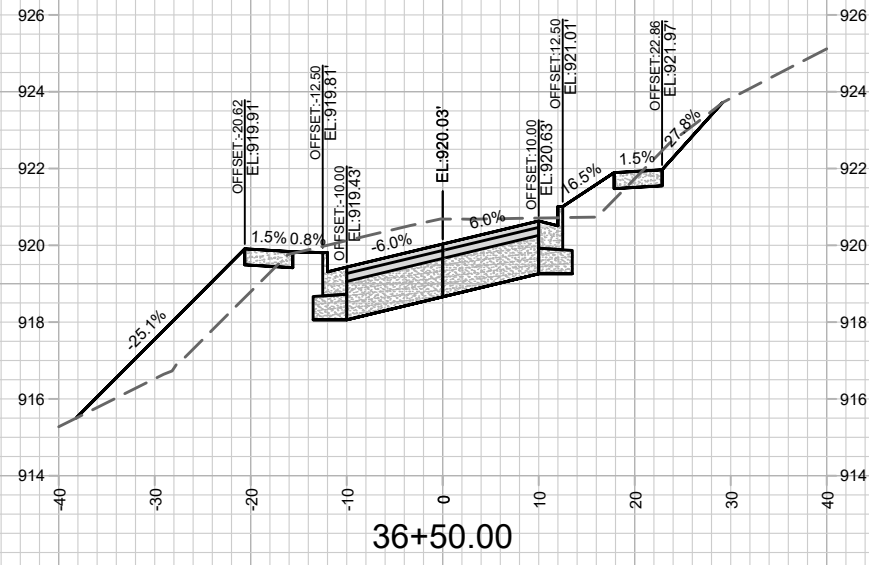
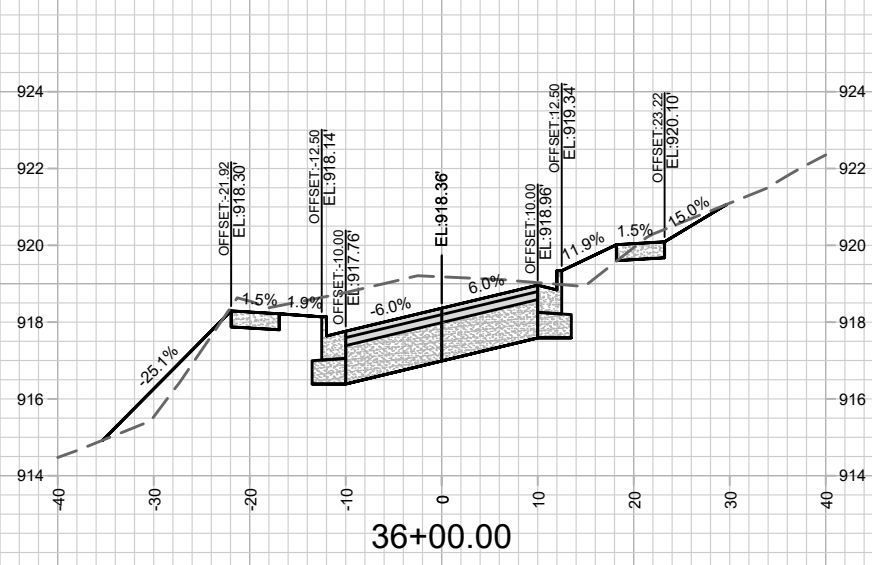
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 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
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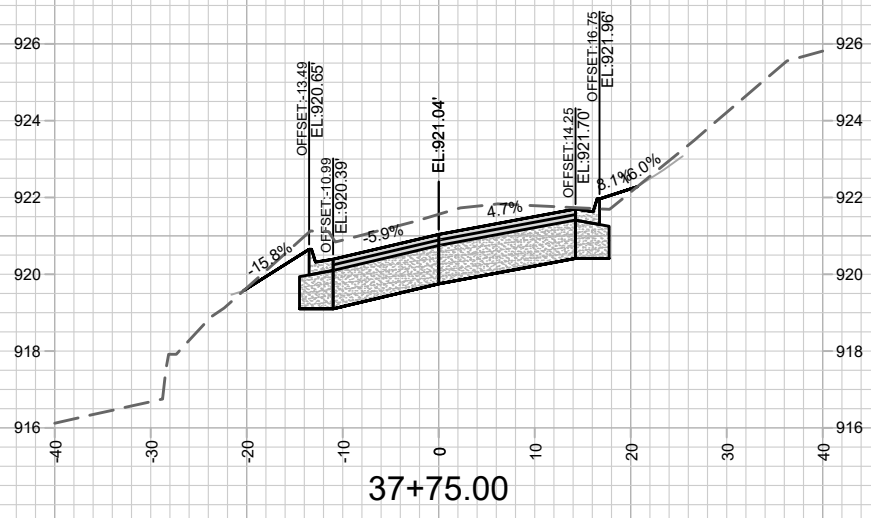
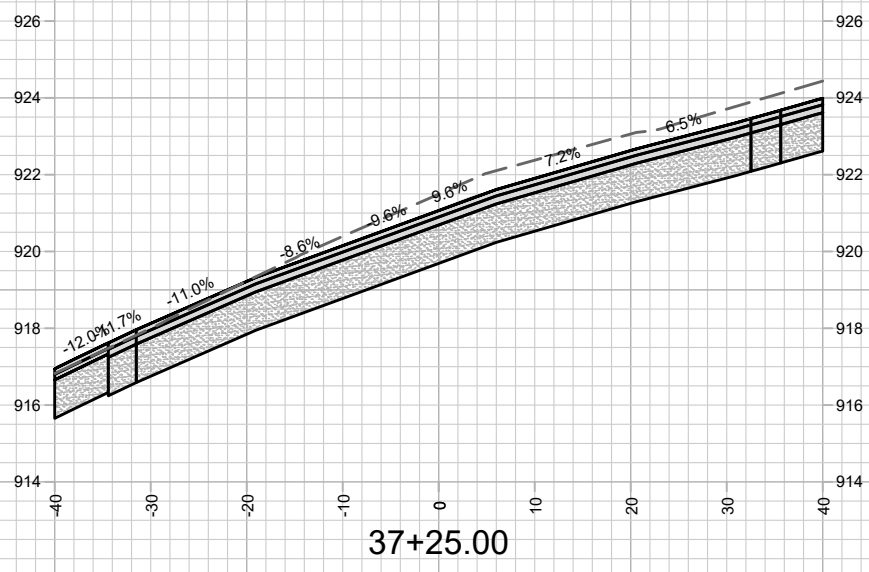
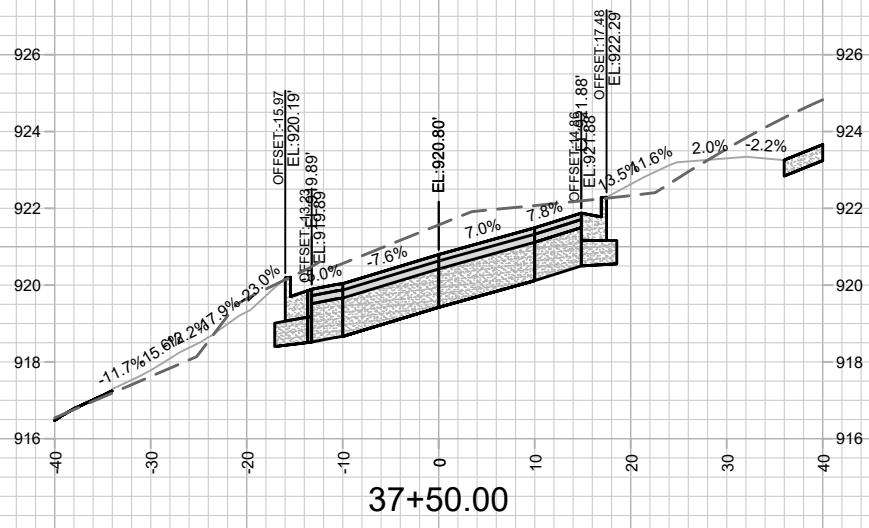
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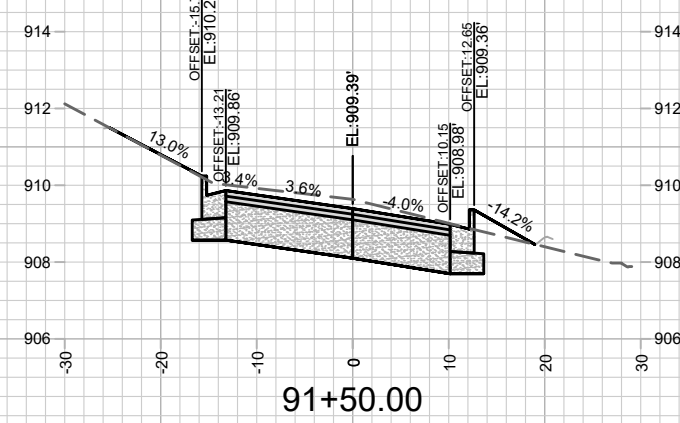
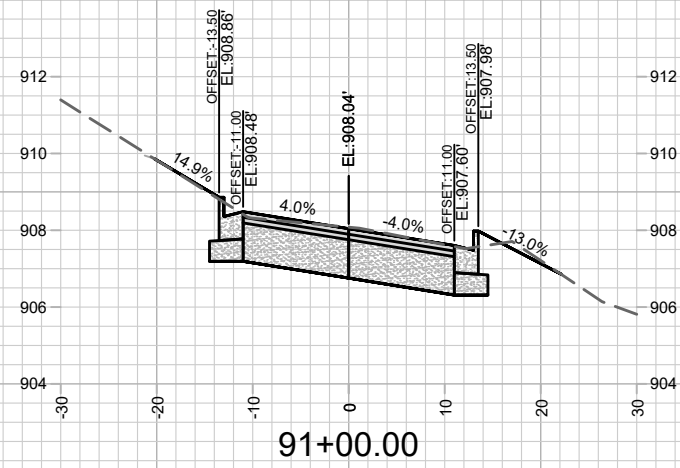
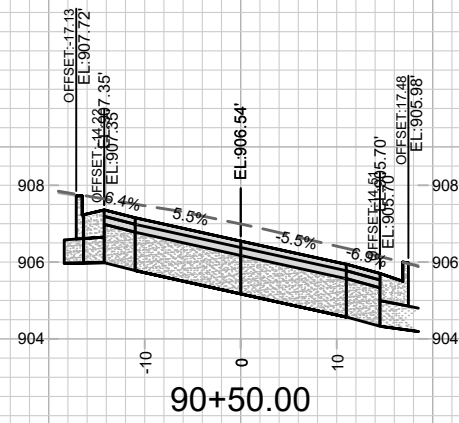
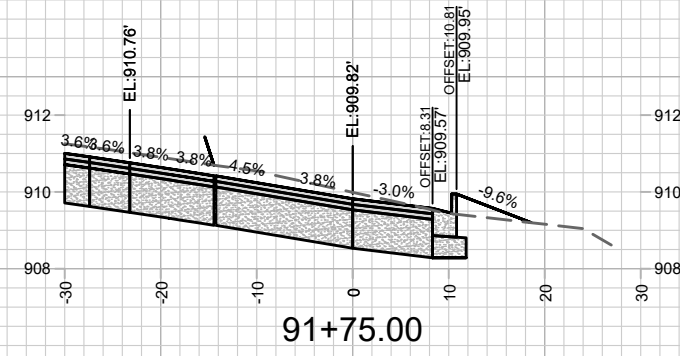
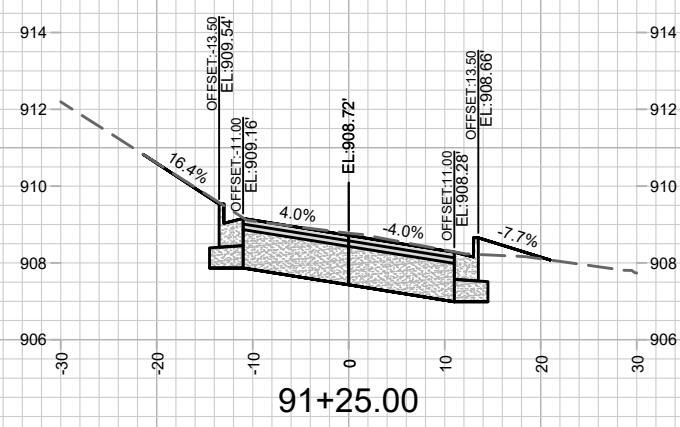
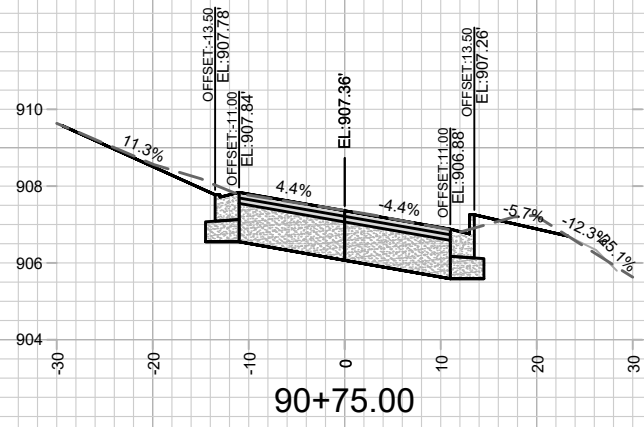


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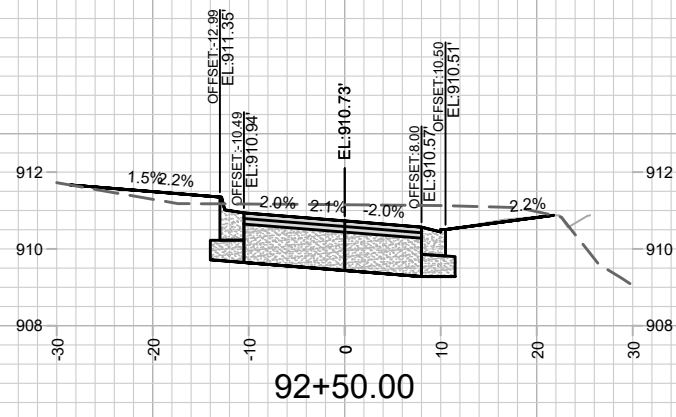


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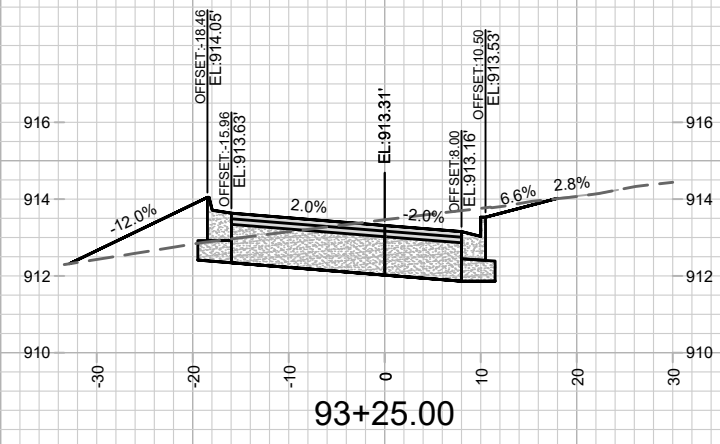
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 MADISON, WI
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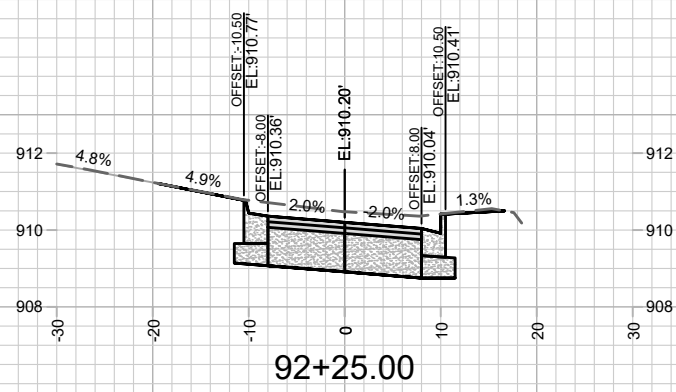
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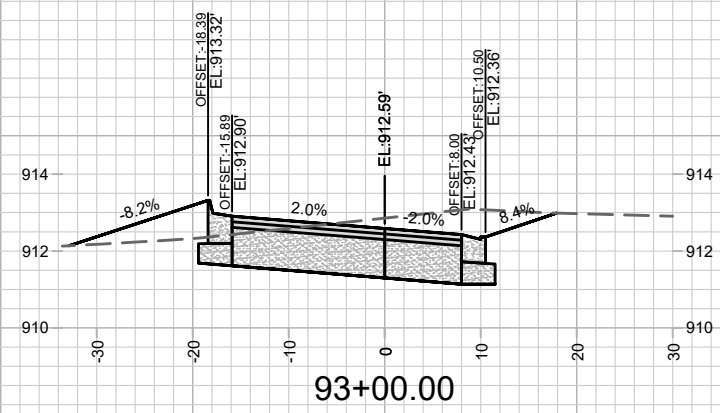
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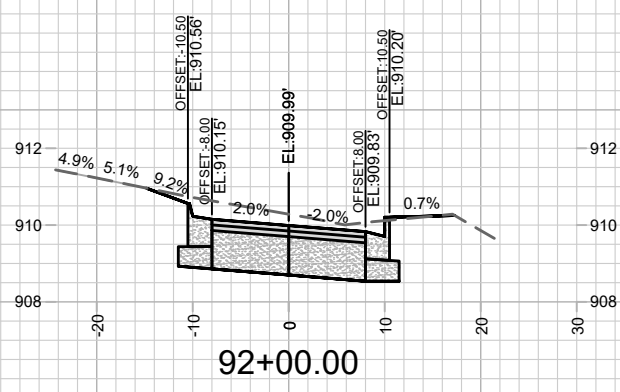
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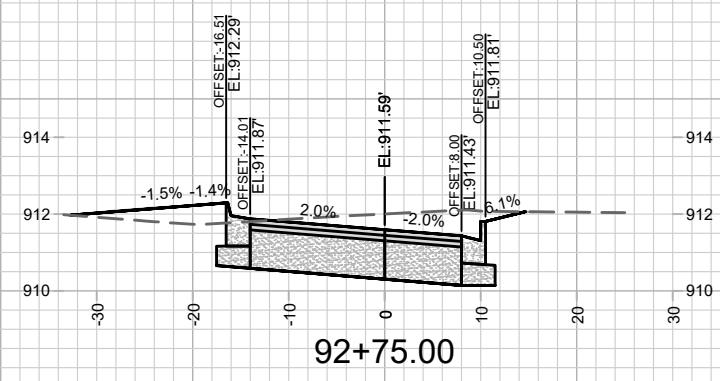
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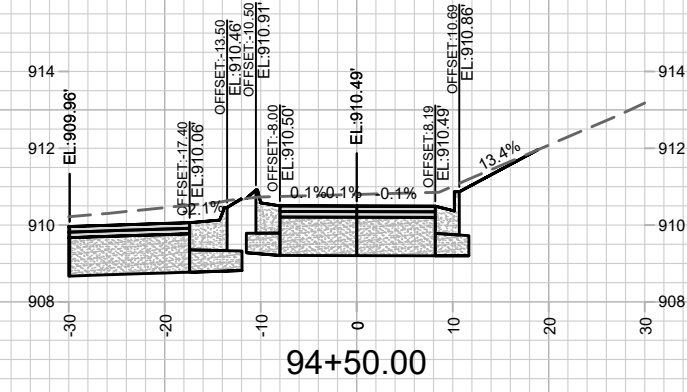
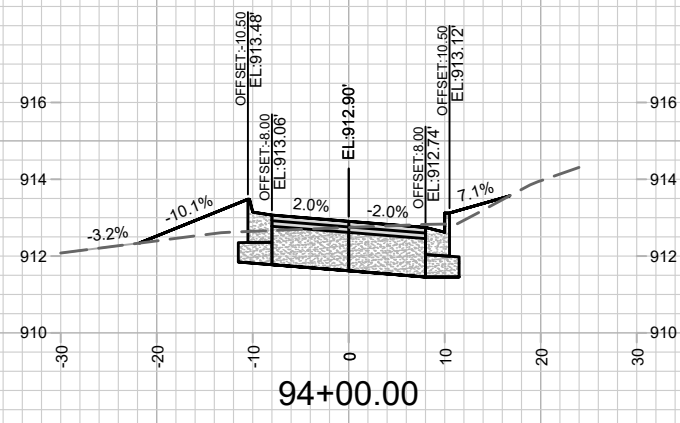
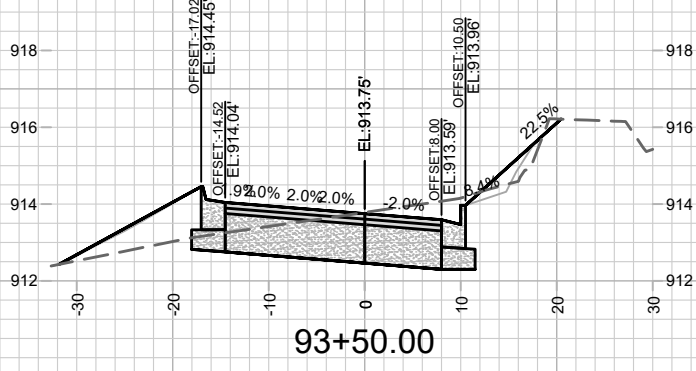
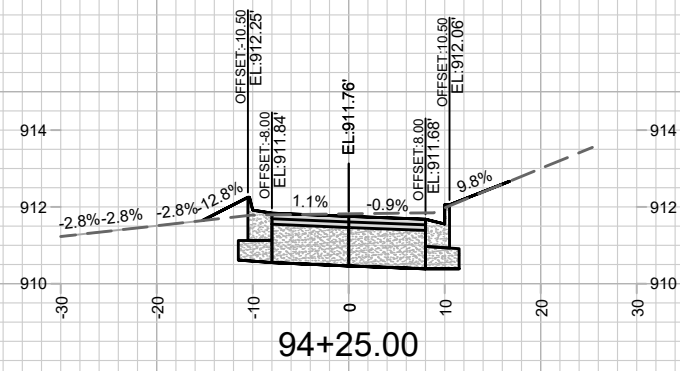
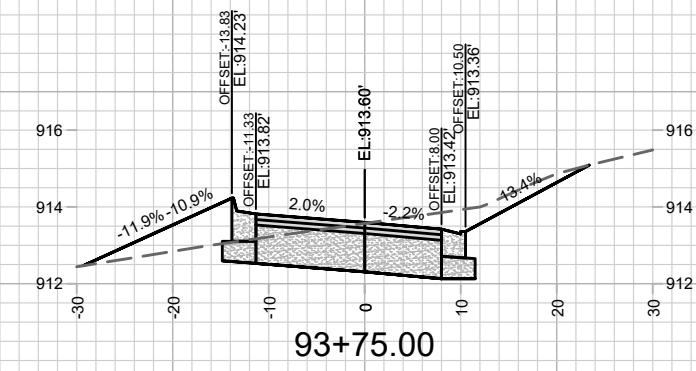


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11432			X-27

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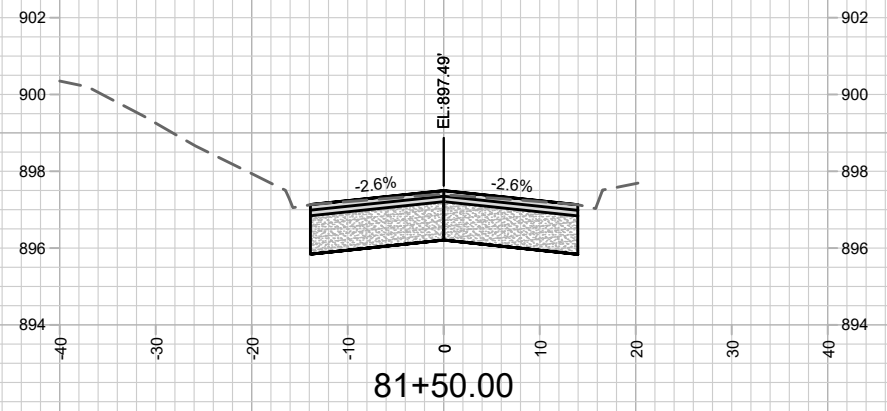
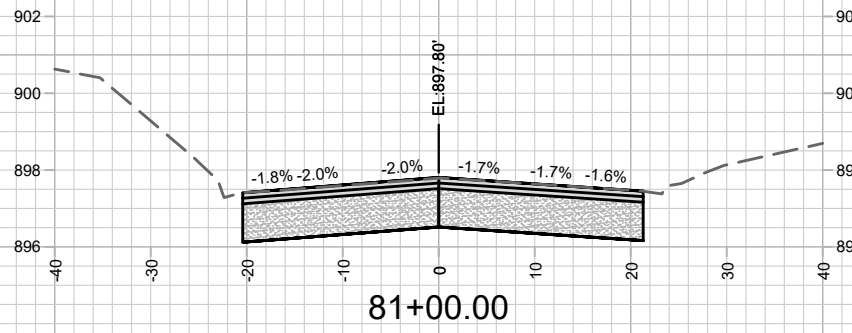
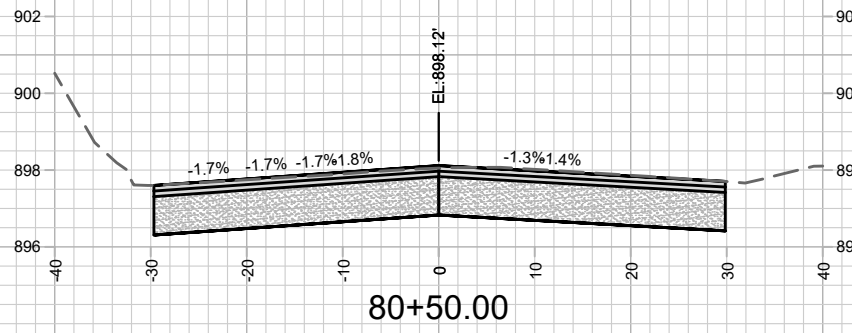
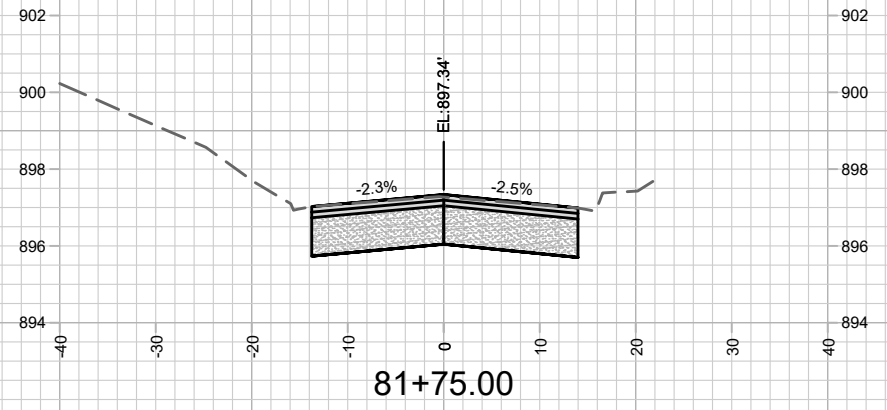
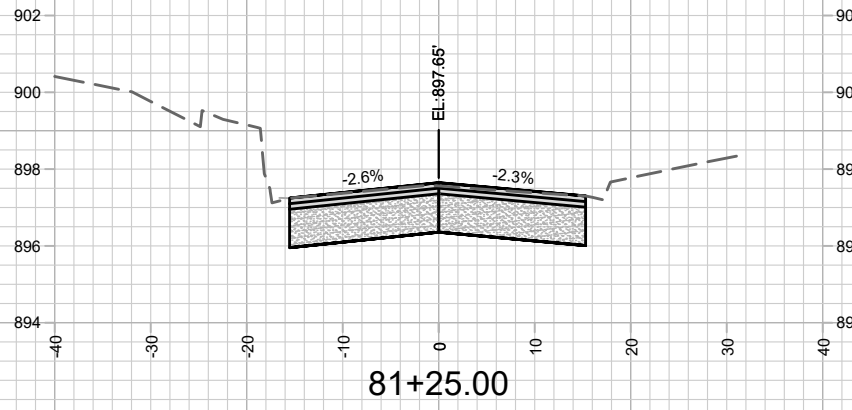
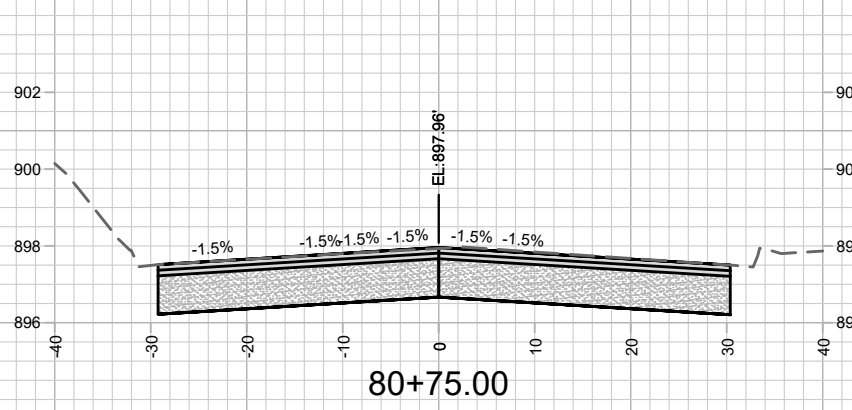




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 E. DEAN AVE., ALLIS AVE., SETH CIR. & TYLER CIR. RECONSTRUCT 2021
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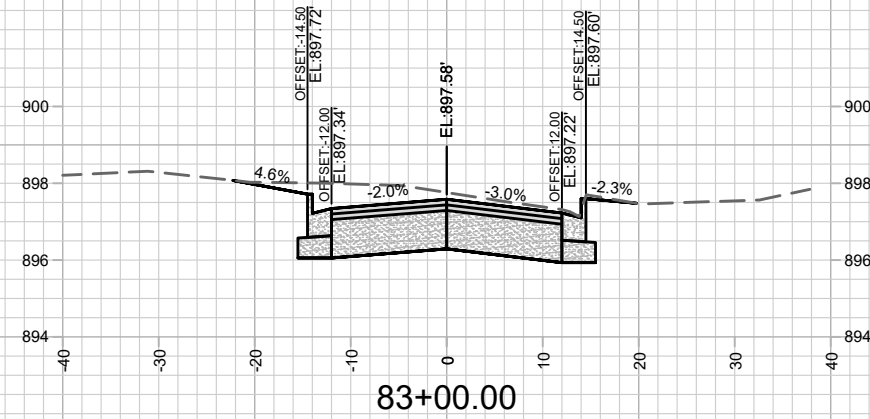
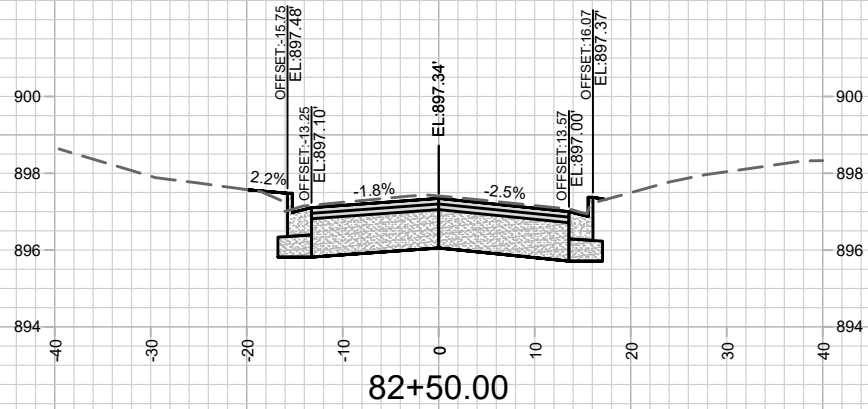
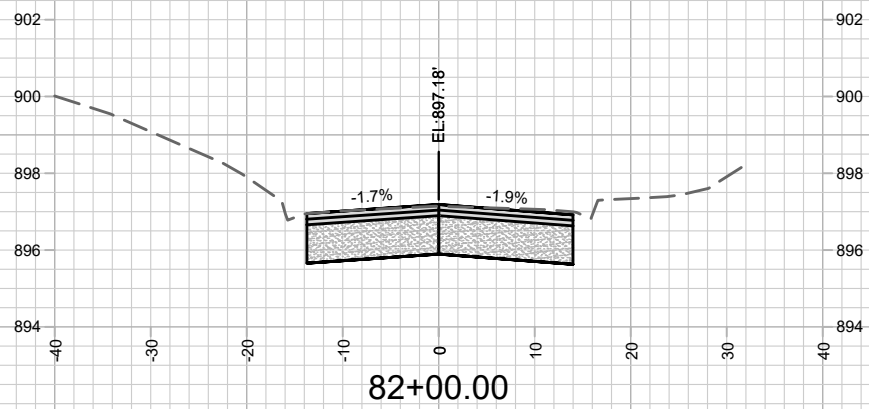
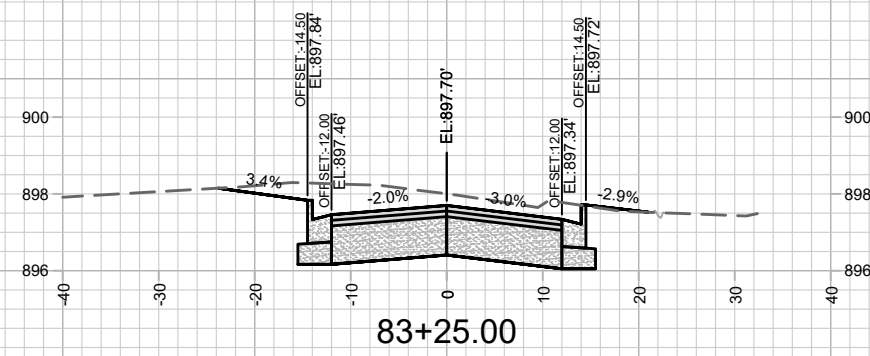
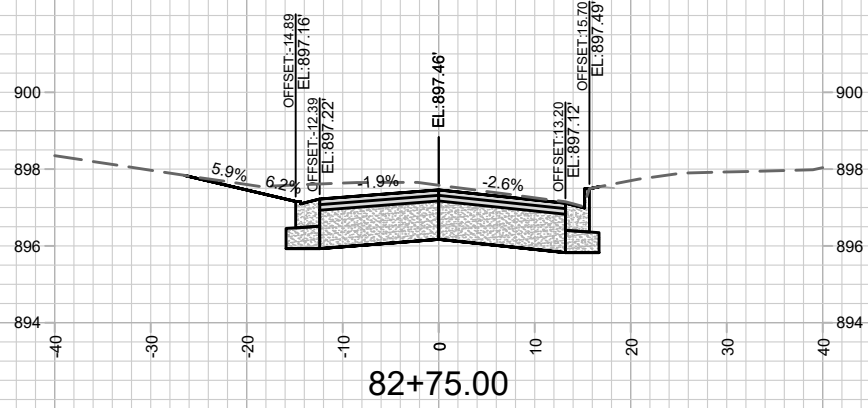
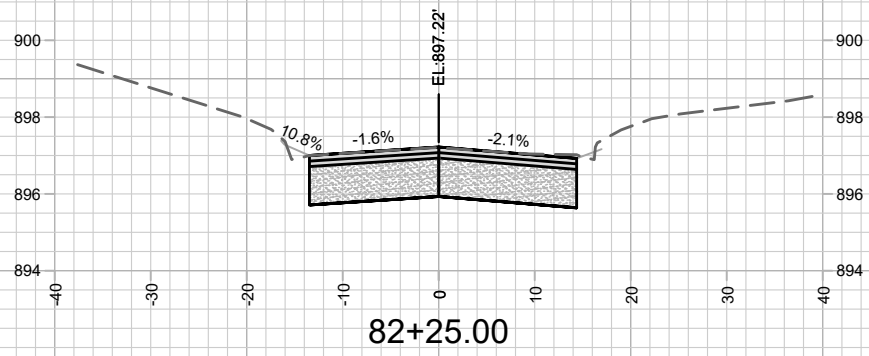
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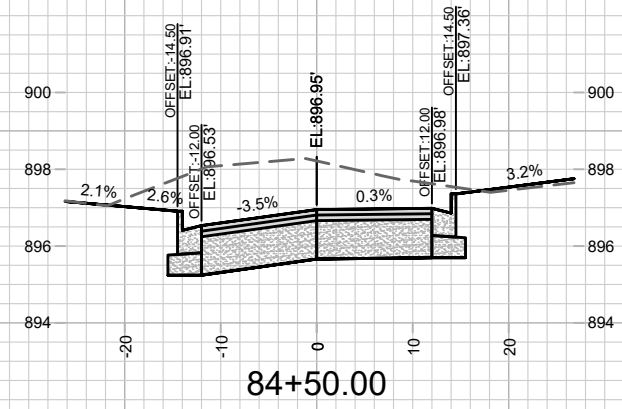
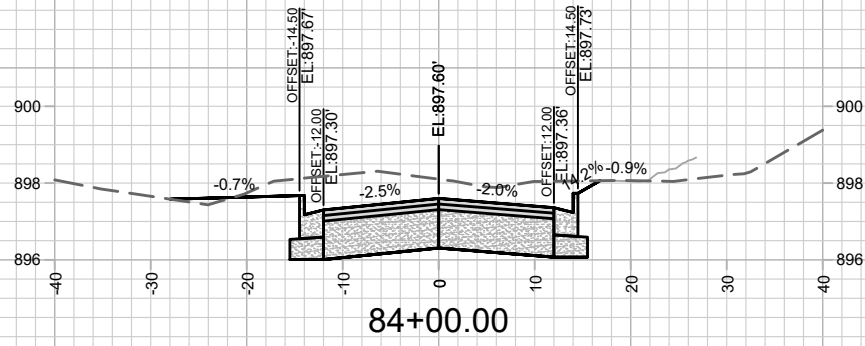
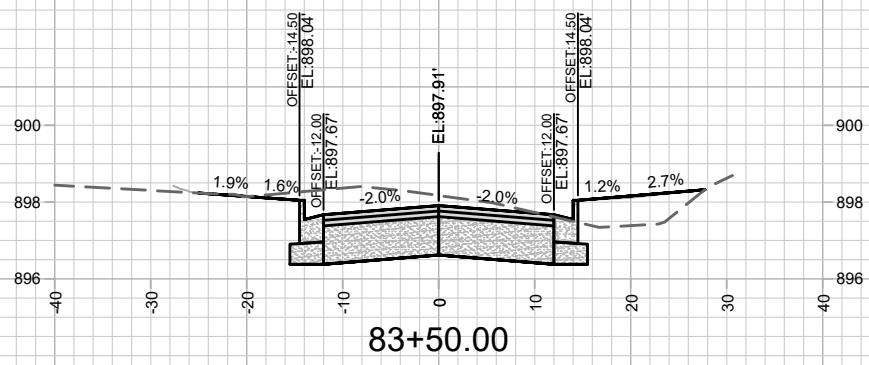
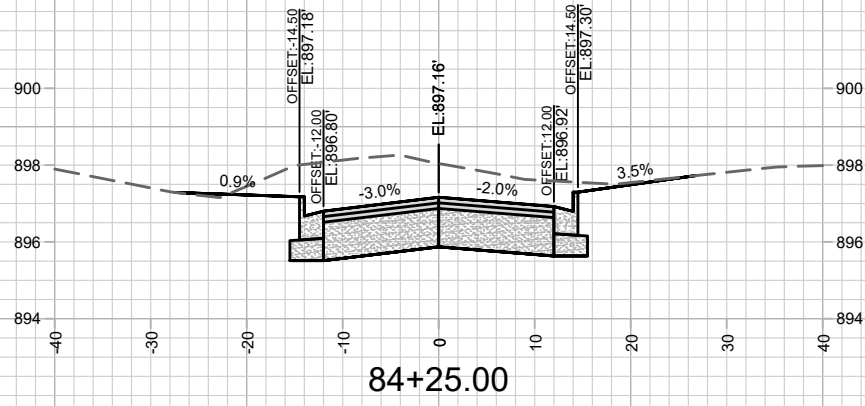
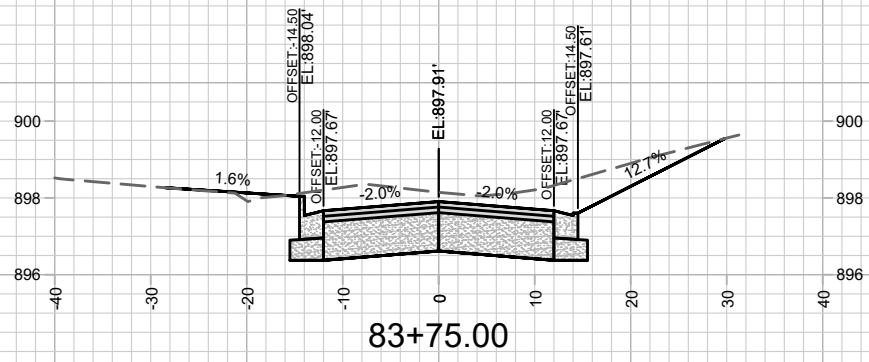
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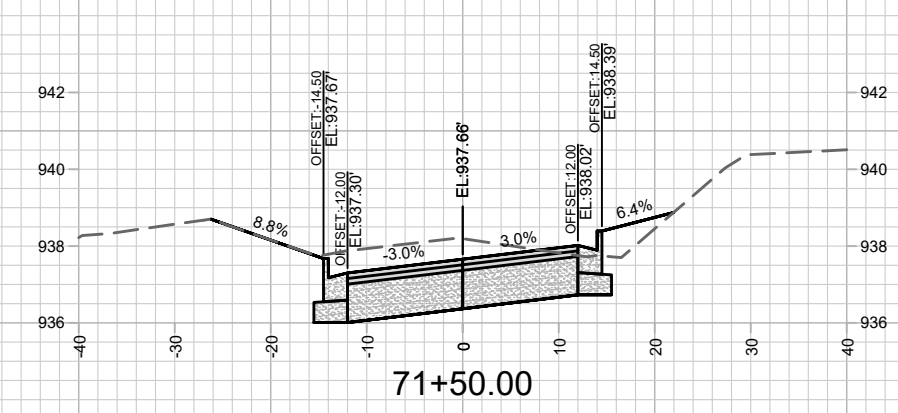
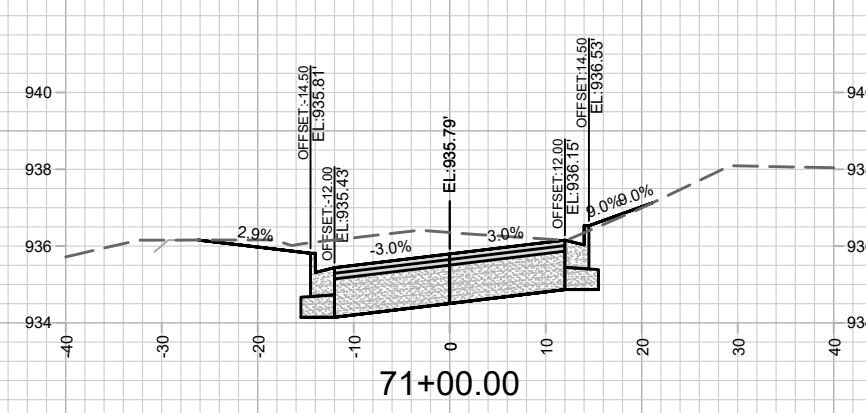
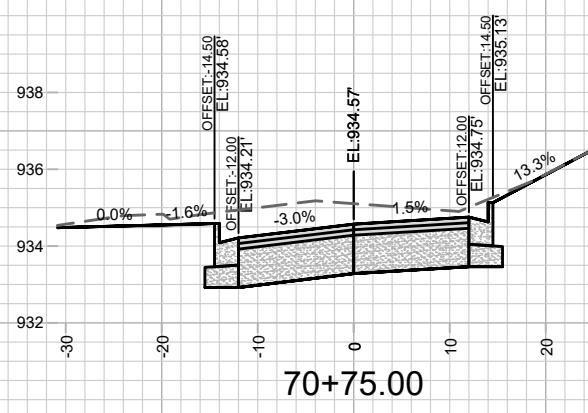
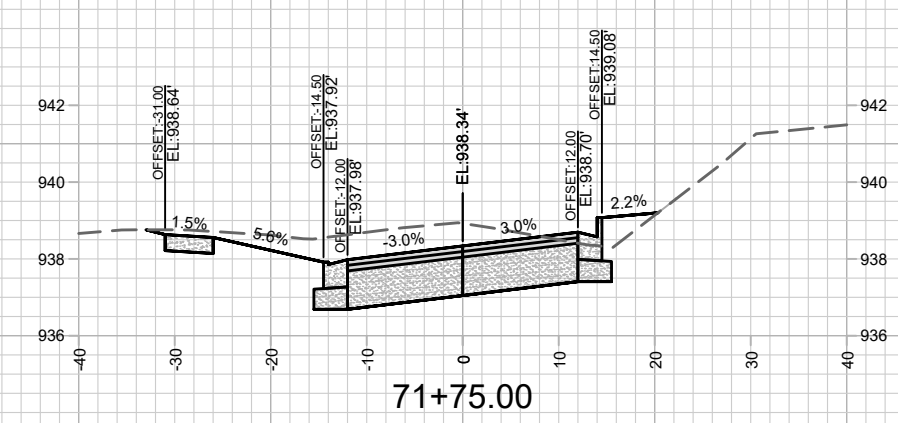
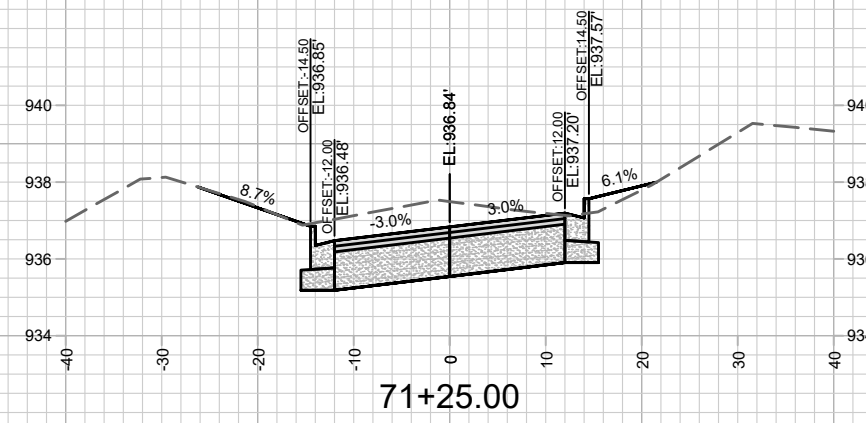
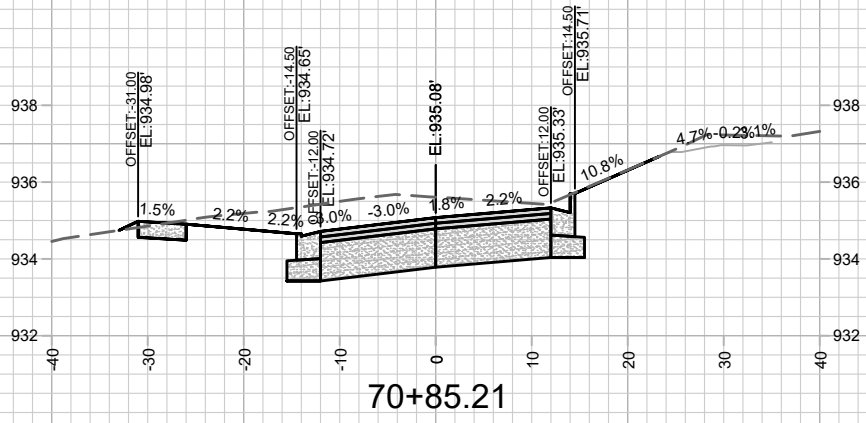


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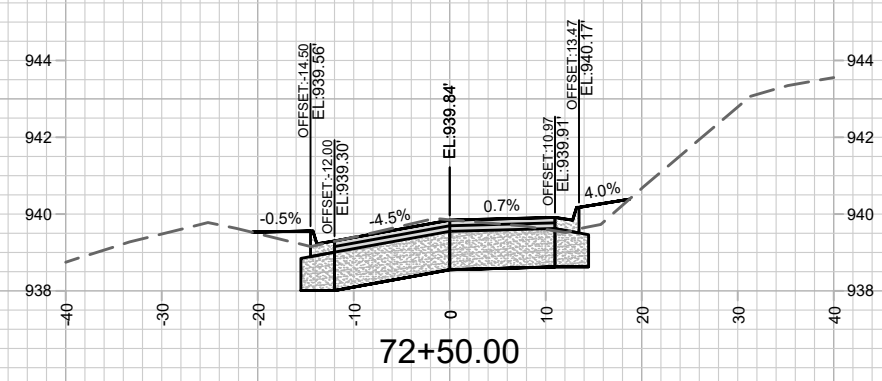
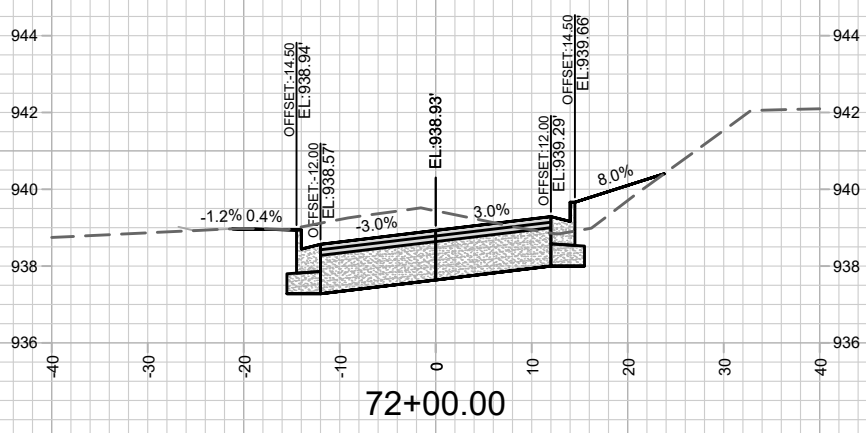
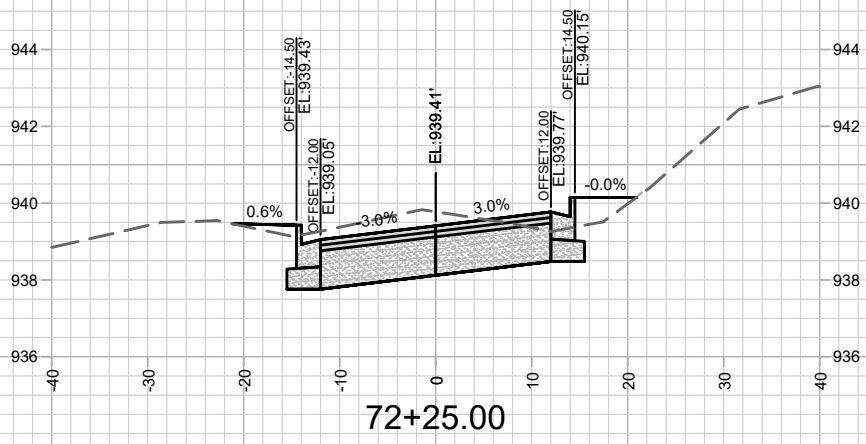
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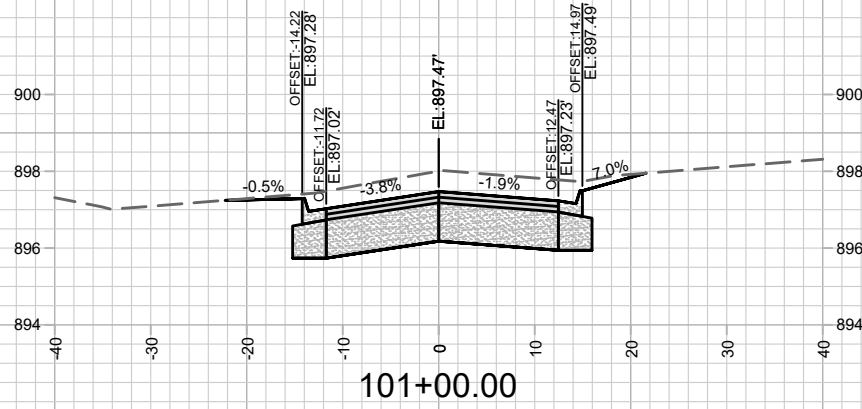
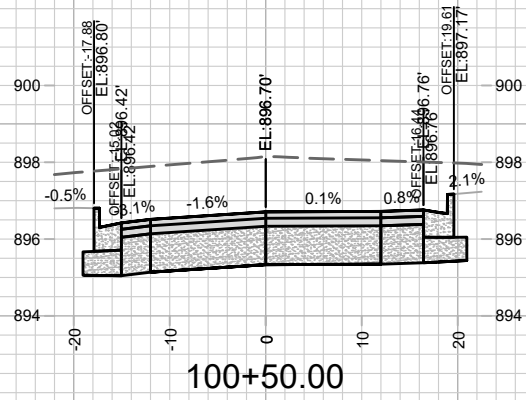
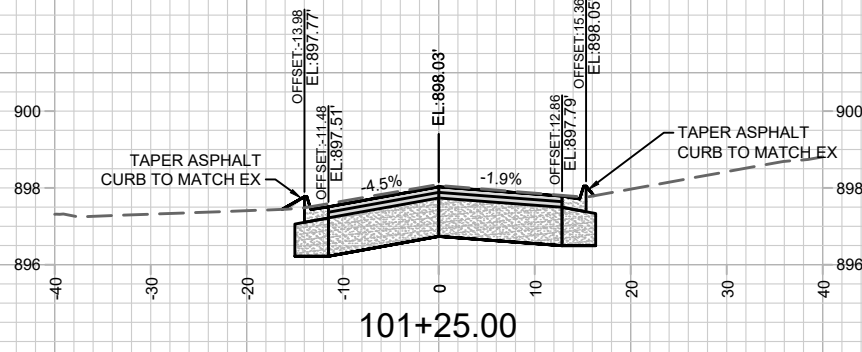
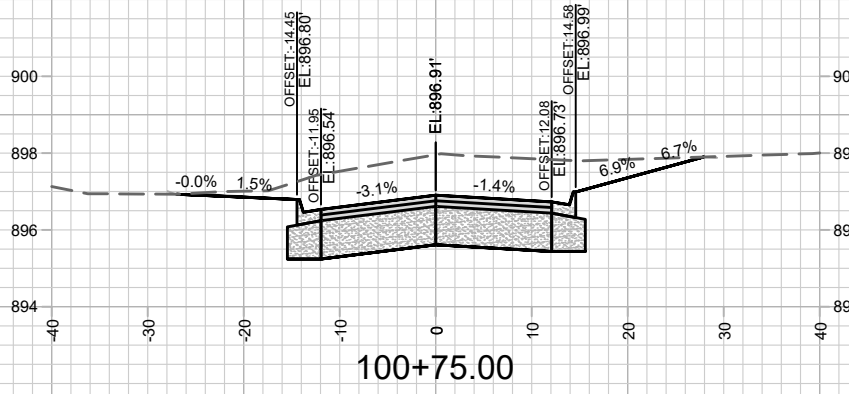


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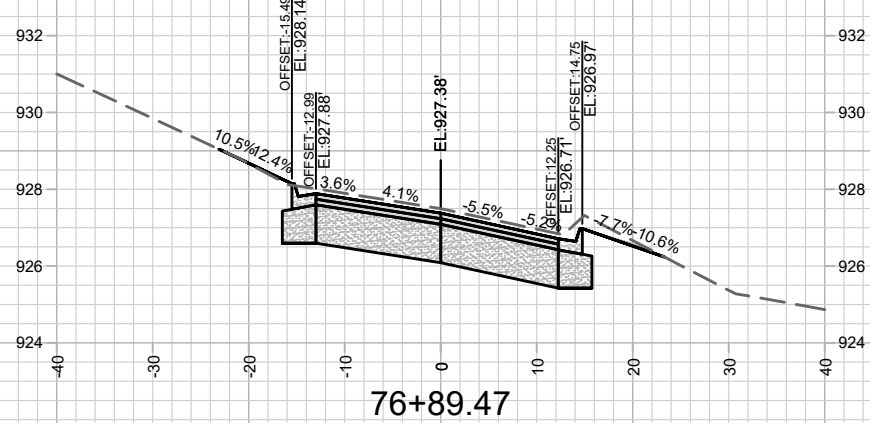
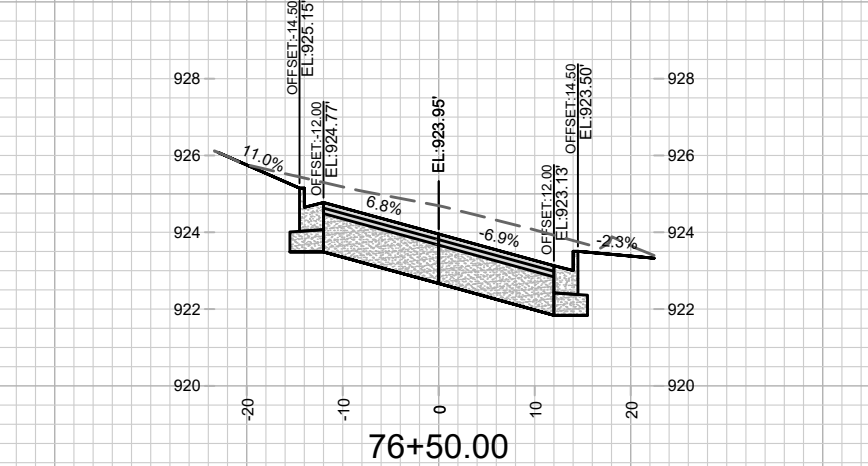
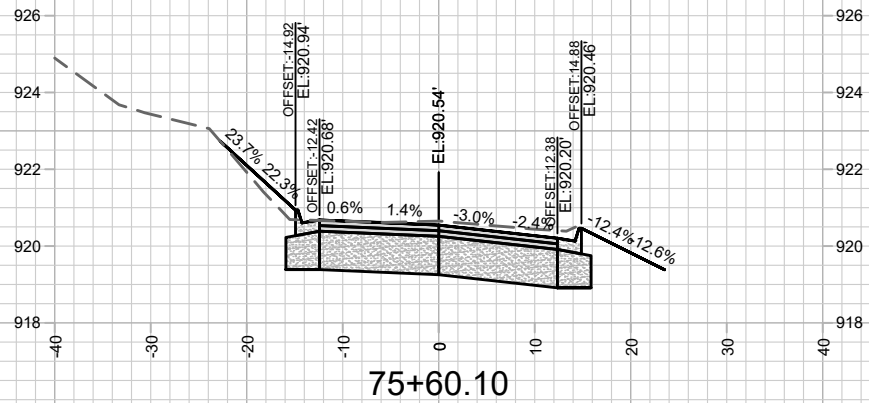
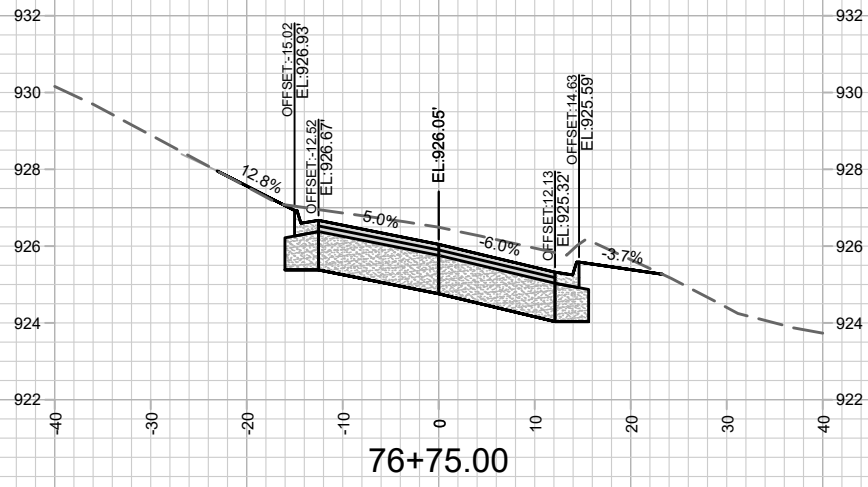
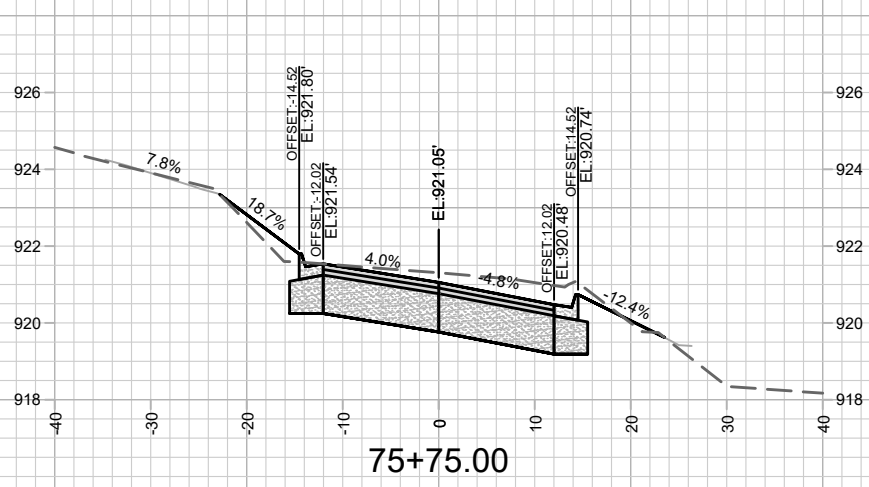
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