



Madison, Wisconsin

INDEX OF SHEETS

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U9	SANITARY SEWER SCHEDULE
U10-U11	STORM SEWER SCHEDULE
W1	WATER PLAN & PROFILE
W2	WATER IMPACT PLAN
W3	WATER ESTIMATE OF MATERIALS
X1-X18	CROSS SECTIONS

CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
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 AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12", SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 1.50%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

# CITY OF MADISON

## CITY ENGINEERING DIVISION

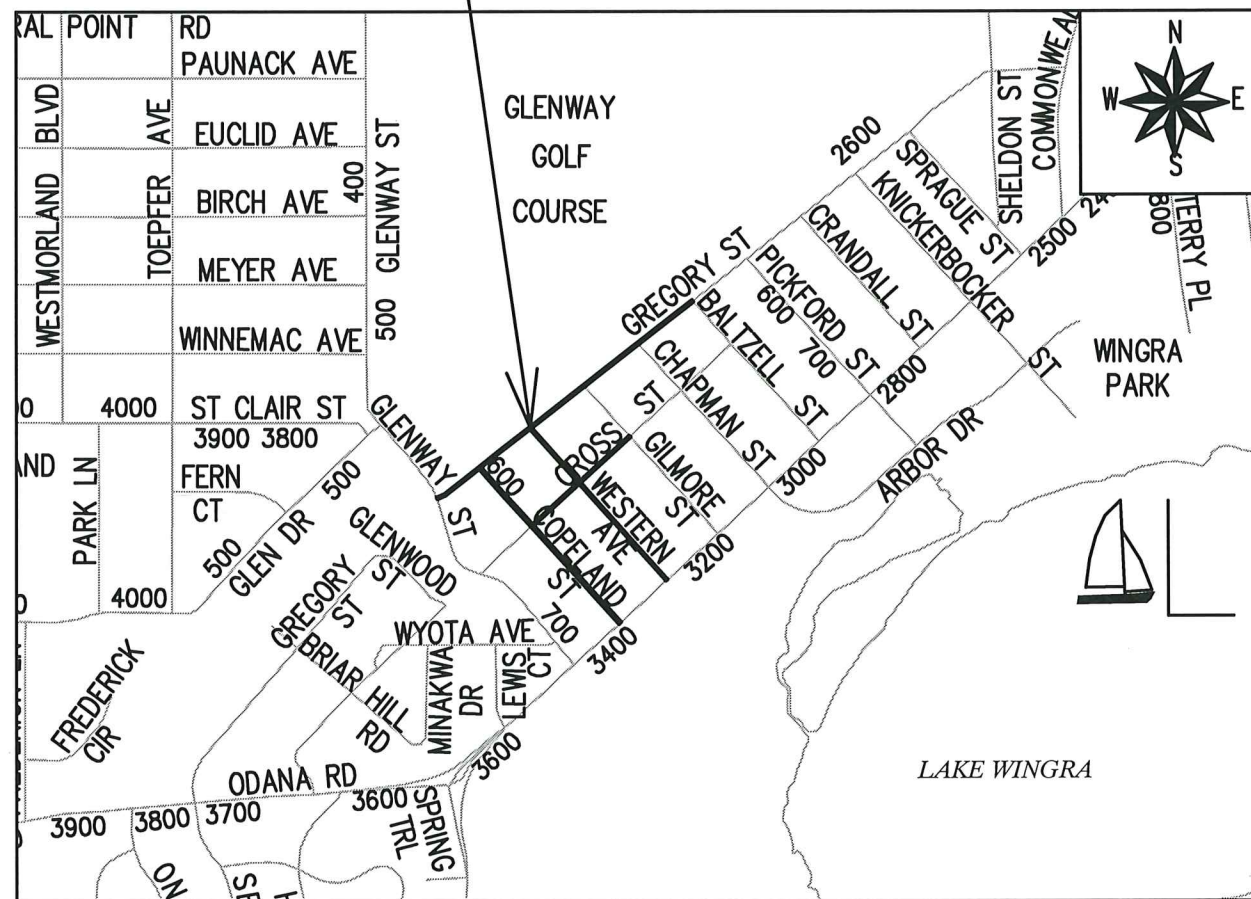
### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

## GREGORY STREET, CROSS STREET, COPELAND STREET AND WESTERN AVENUE RECONSTRUCTION ASSESSMENT DISTRICT - 2020

### PROJECT LOCATION

CITY PROJECT NO. 11188  
CONTRACT NO. 8501



EARTH WORK SUMMARY:  
EXCAVATION CUT (MEASURED PLAN QUANTITY) = 7,086 C.Y.  
ESTIMATED UNDISTRIBUTED UNDERCUT = 2,041 C.Y.  
TOTAL UNCLASSIFIED EXCAVATION CUT = 9,127 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE: FEBRUARY 4, 2020

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

City Engineer Date 2/20/20

STREET DESIGNED BY:

2-19-20

SANITARY SEWER DESIGNED BY:

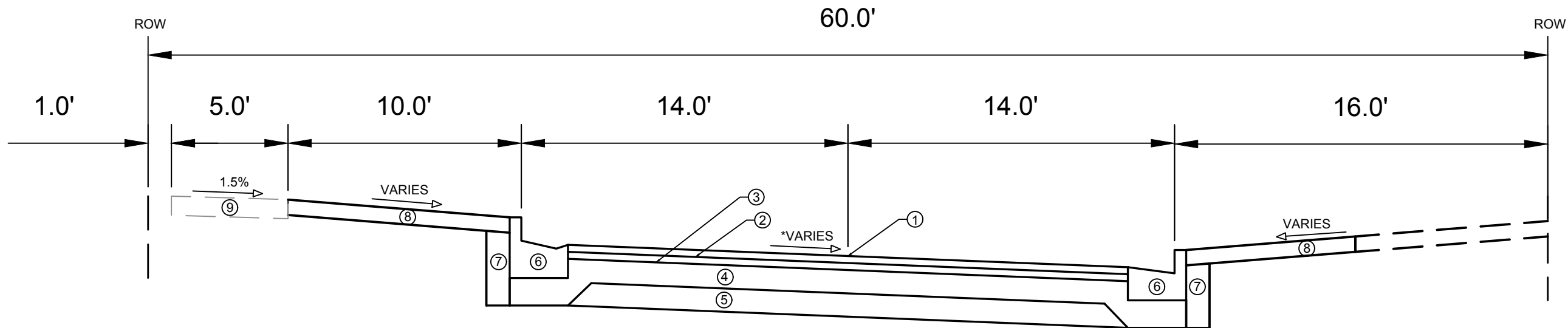
2/20/20

WATER MAIN DESIGNED BY:

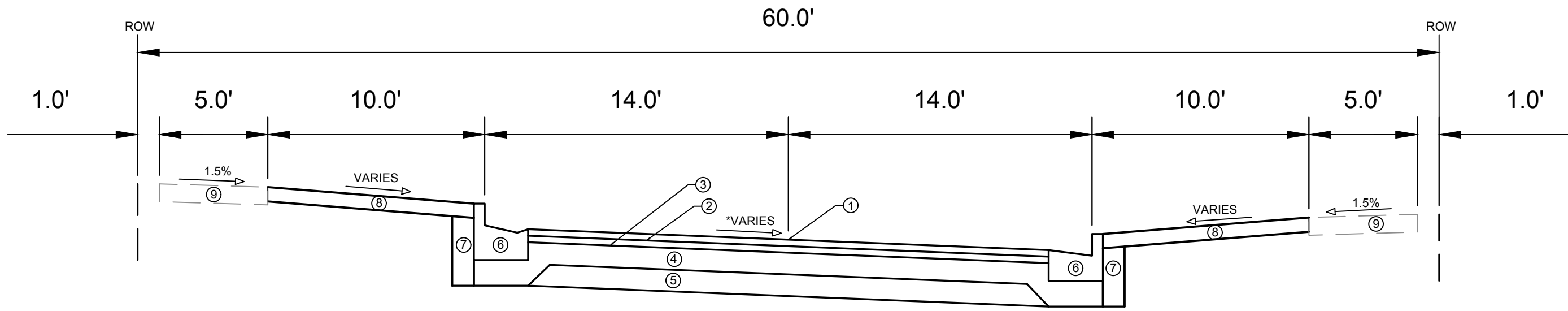
2-19-2020

STORM SEWER DESIGNED BY:

2-20-20



TYPICAL SECTION  
GREGORY STREET  
GLENWAY STREET TO WESTERN AVENUE



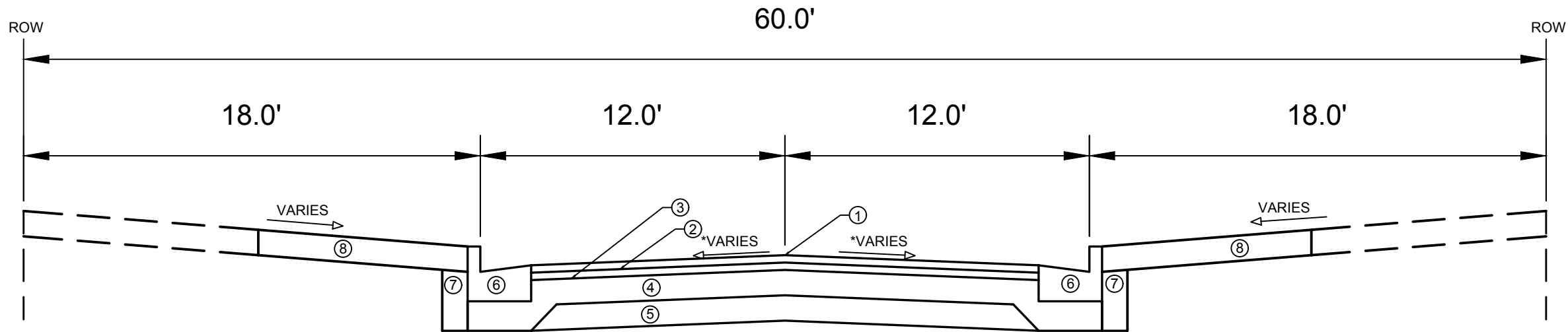
TYPICAL SECTION  
GREGORY STREET  
WESTERN AVENUE TO BALTZELL STREET

SPECIAL NOTES:

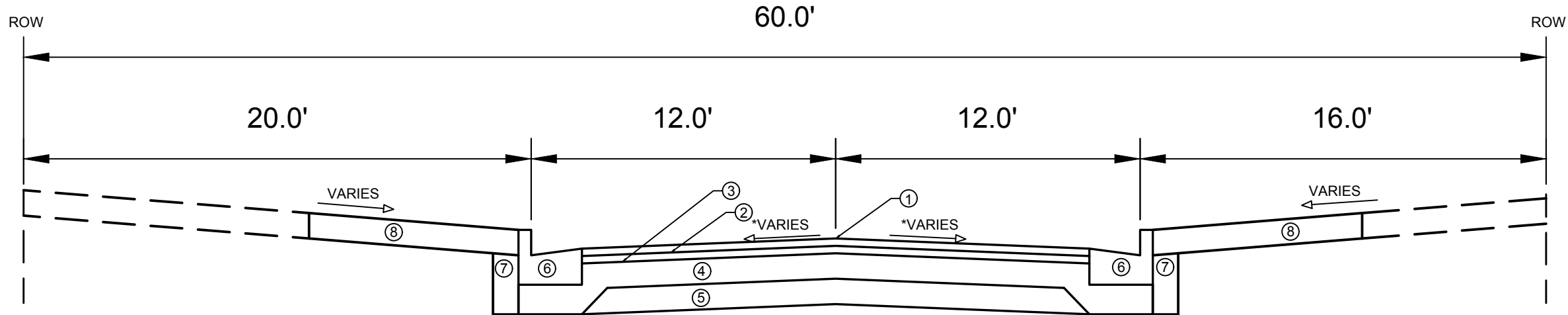
\*SEE X-SHEETS FOR CROSS SLOPES

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S (UPPER LAYER)
- ③ 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S (LOWER LAYER)
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE (UPPER LAYER)
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE (LOWER LAYER)
- ⑥ CONCRETE CURB AND GUTTER TYPE 'A' OR TYPE 'X', SEE P-SHEETS FOR LOCATIONS
- ⑦ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑧ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED AND MATTING
- ⑨ 5" CONCRETE SIDEWALK, REMOVE AND REPLACE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER

11188	MADISON, WI	CONTRACT NO: 8501	DATE 2/18/2020 6:04 PM	REVISION #####	MARK 11188
TYPICAL SECTION GREGORY ST, COPLAND ST, & WESTERN AVE RECON. M:\DESIGN\Projects\11188\11188 Civil 3D\CAD\Plan Sheets\11188_P-Sheets.dwg					
11188 D-1					



TYPICAL SECTION  
 COPELAND STREET  
 STA 200+36 TO STA 202+50  
 STA 206+25 TO STA 208+34



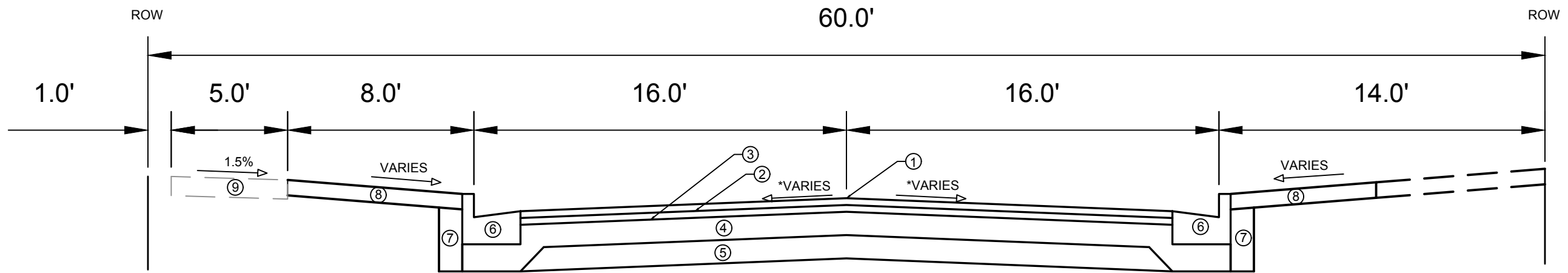
TYPICAL SECTION  
 COPELAND STREET  
 STA 203+00 TO STA 205+50

- ① POINT REFERRED TO ON PROFILE
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- ⑧ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED AND MATTING

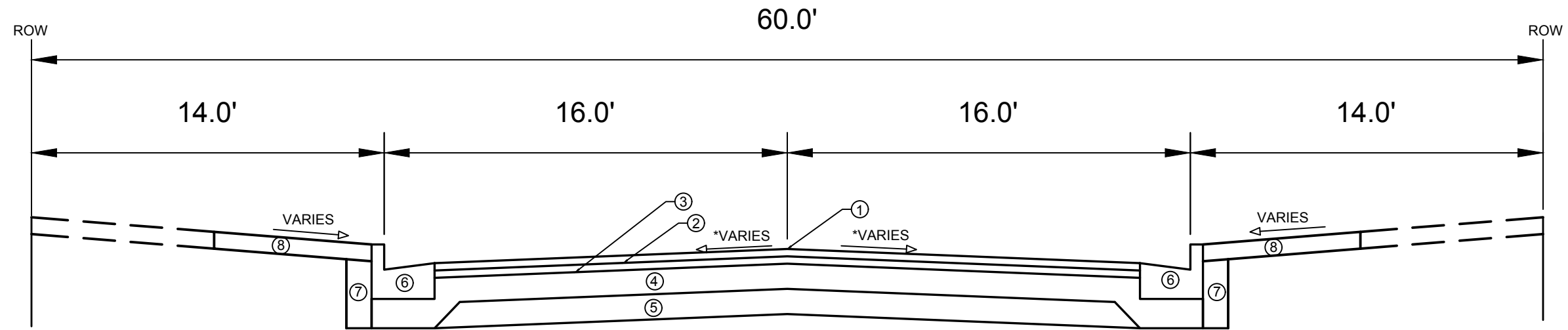
SPECIAL NOTES:

\*SEE X-SHEETS FOR CROSS SLOPES

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11188			D-2
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CITY OF MADISON WISCONSIN		11188	
		D-2	



TYPICAL SECTION  
WESTERN AVENUE  
CROSS STREET TO MONROE STREET



TYPICAL SECTION  
WESTERN AVENUE  
GREGORY STREET TO CROSS STREET

SPECIAL NOTES:

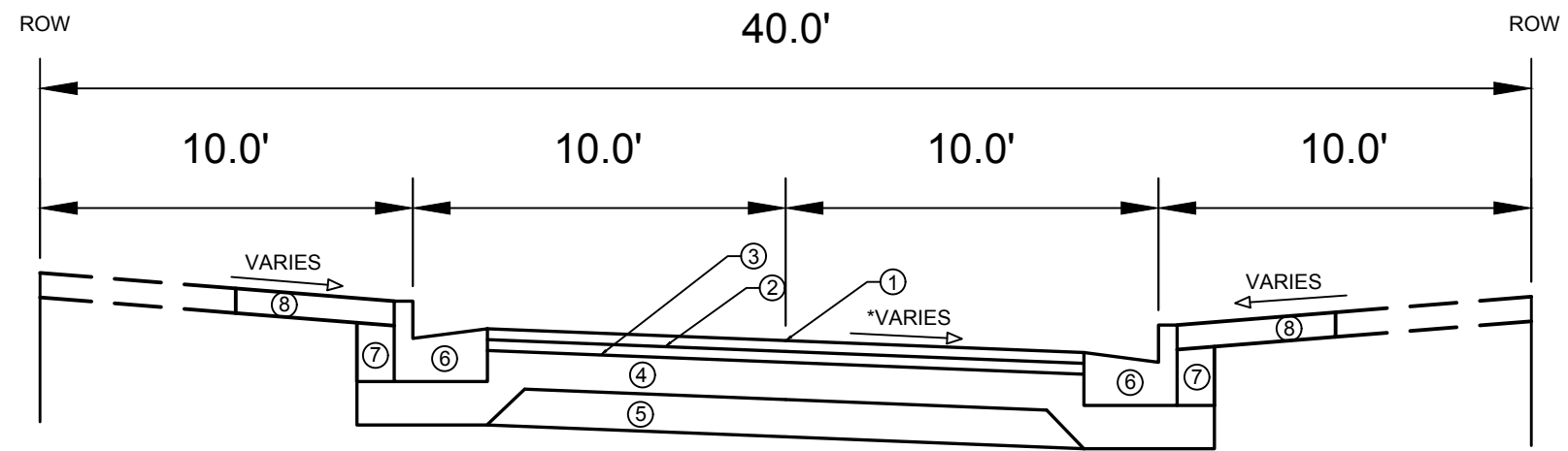
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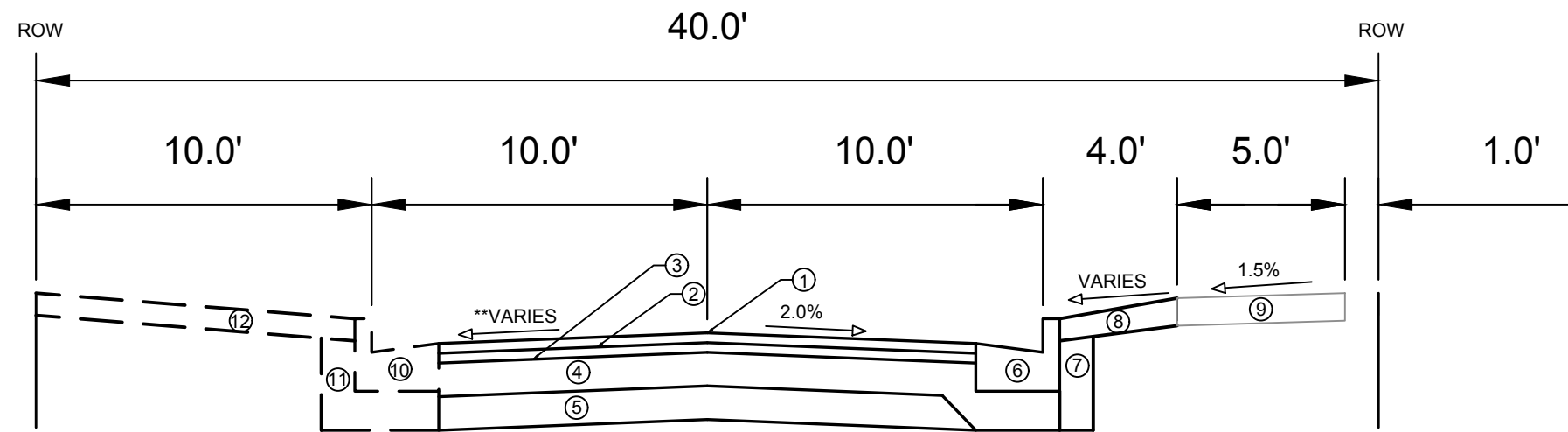
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11188  
MADISON, WI  
CONTRACT NO: 8501  
TYPICAL SECTION  
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
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TYPICAL SECTION  
CROSS STREET  
COPELAND STREET TO WESTERN AVENUE



TYPICAL SECTION  
CROSS STREET  
WESTERN AVENUE TO GILMORE STREET

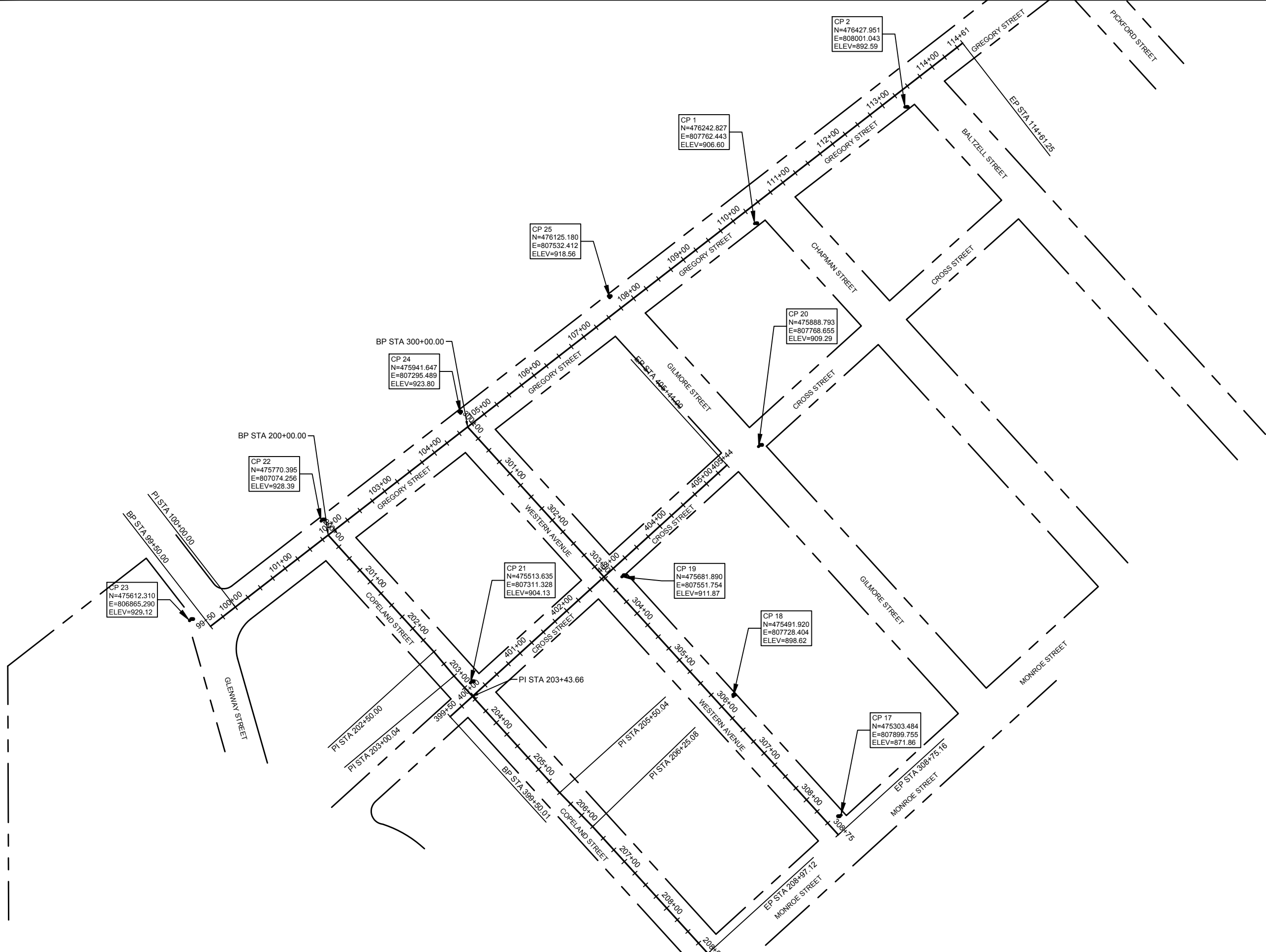
**SPECIAL NOTES:**

\*EXISTING CURB, GUTTER, & BASE WILL BE REMOVED AND REPLACE FROM STA 403+13.50 TO STA 403+60.00

\*\*SEE X-SHEETS FOR CROSS SLOPES

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- ⑨ 5" CONCRETE SIDEWALK, REMOVE AND REPLACE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER
- ⑩ \*EXISTING CURB AND GUTTER TO REMAIN
- ⑪ \*EXISTING CURB AND GUTTER BASE TO REMAIN
- ⑫ EXISTING TERRACE TO REMAIN

11188	MADISON, WI	CONTRACT NO: 8501	11188	D-4
TYPICAL SECTION				
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.				
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11188				
D-4				



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11188  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
 CONTRACT NO: 8501



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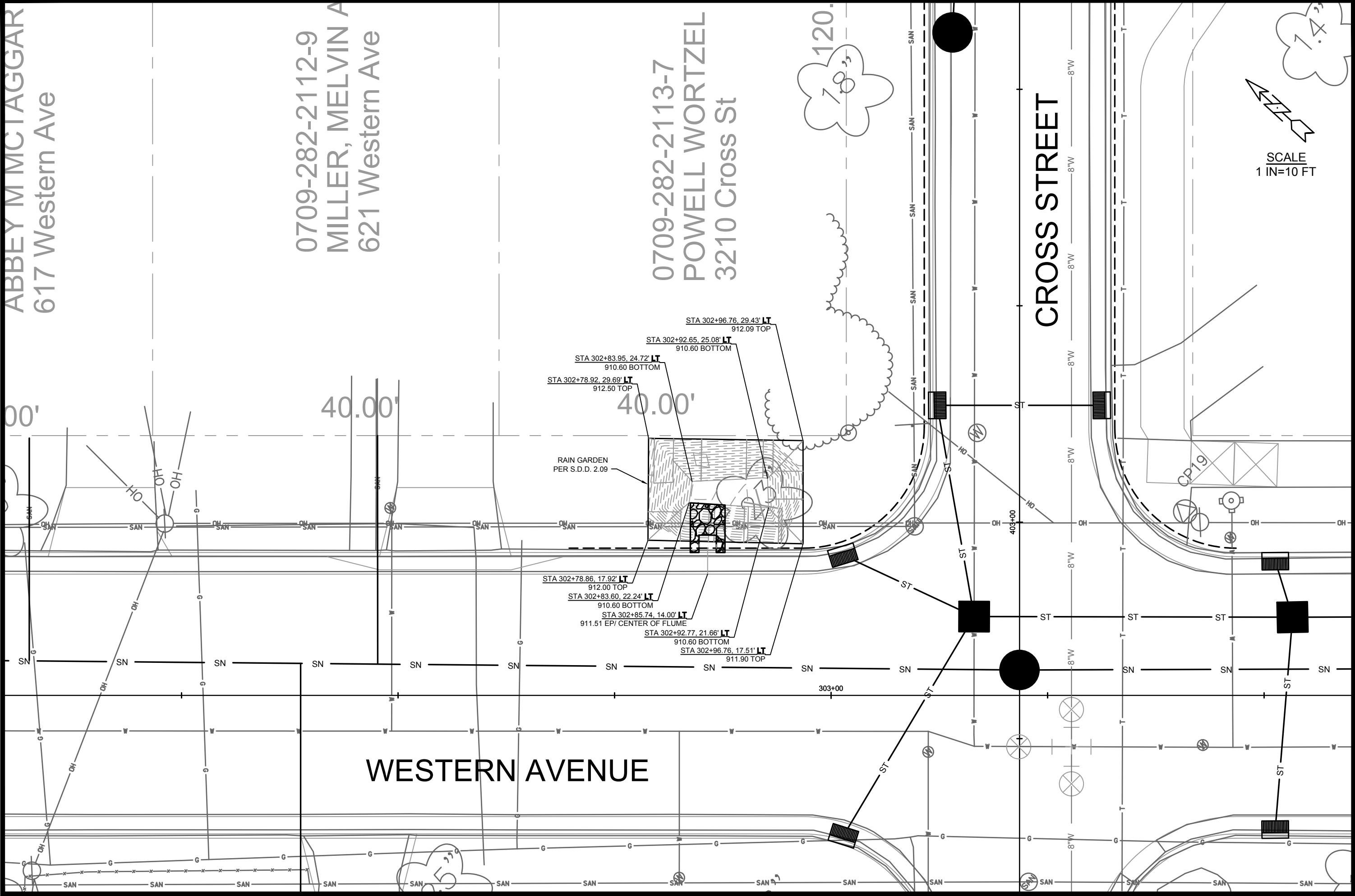
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617 Western Ave

0709-282-2112-9  
MILLER, MELVIN A  
621 Western Ave

0709-282-2113-7  
POWELL WORTZEL  
3210 Cross St

CROSS STREET

WESTERN AVENUE



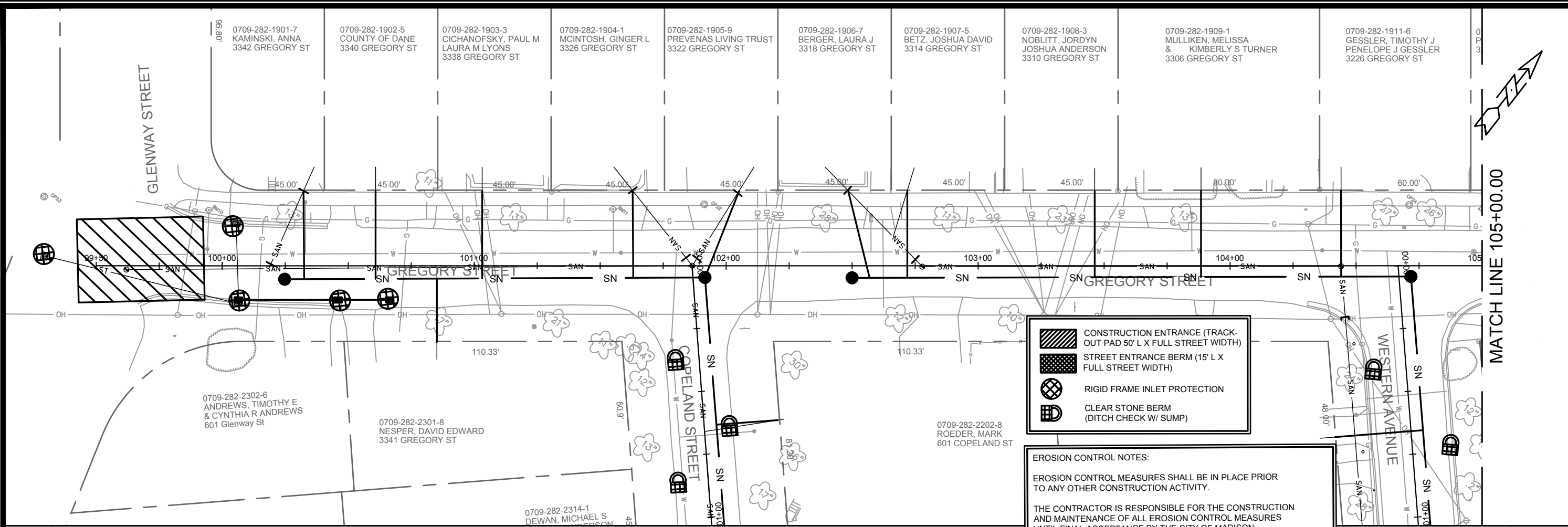
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Designed By: FBEG	Date: 2/19/2020 10:54 AM	Scale: #####	R-1

RAIN GARDEN PLAN  
 11188  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
 CONTRACT NO: 8501  
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11188  
R-1



	CONSTRUCTION ENTRANCE (TRACK-OUT PAD 50' L X FULL STREET WIDTH)
	STREET ENTRANCE BERM (15' L X FULL STREET WIDTH)
	RIGID FRAME INLET PROTECTION
	CLEAR STONE BERM (DITCH CHECK W/ SUMP)

**EROSION CONTROL NOTES:**

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

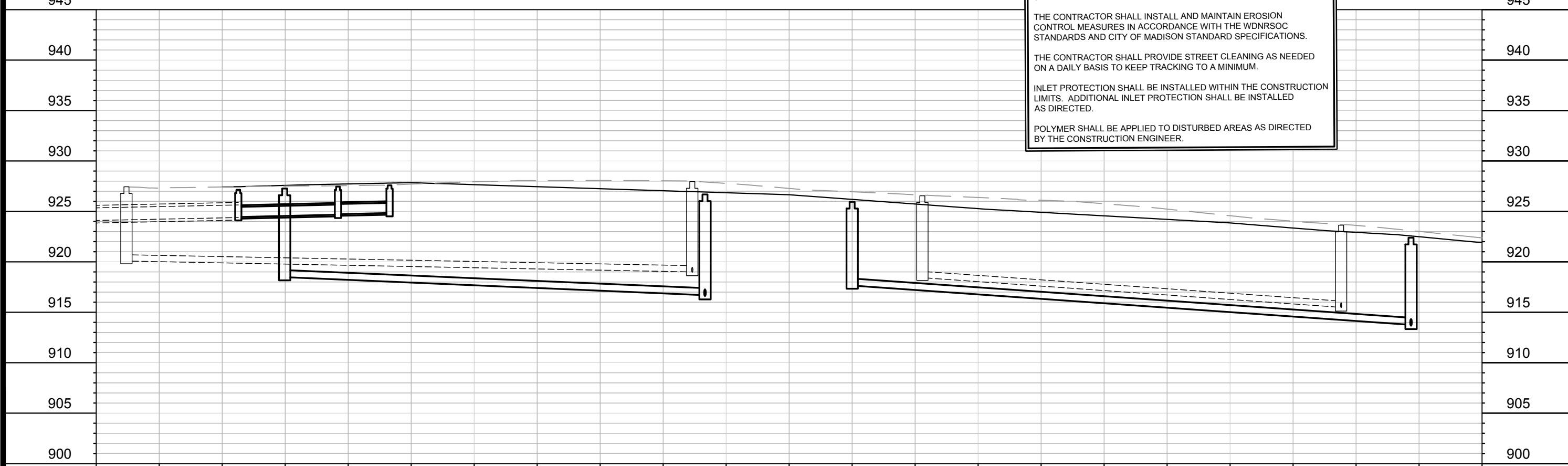
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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

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



MATCH LINE 105+00.00

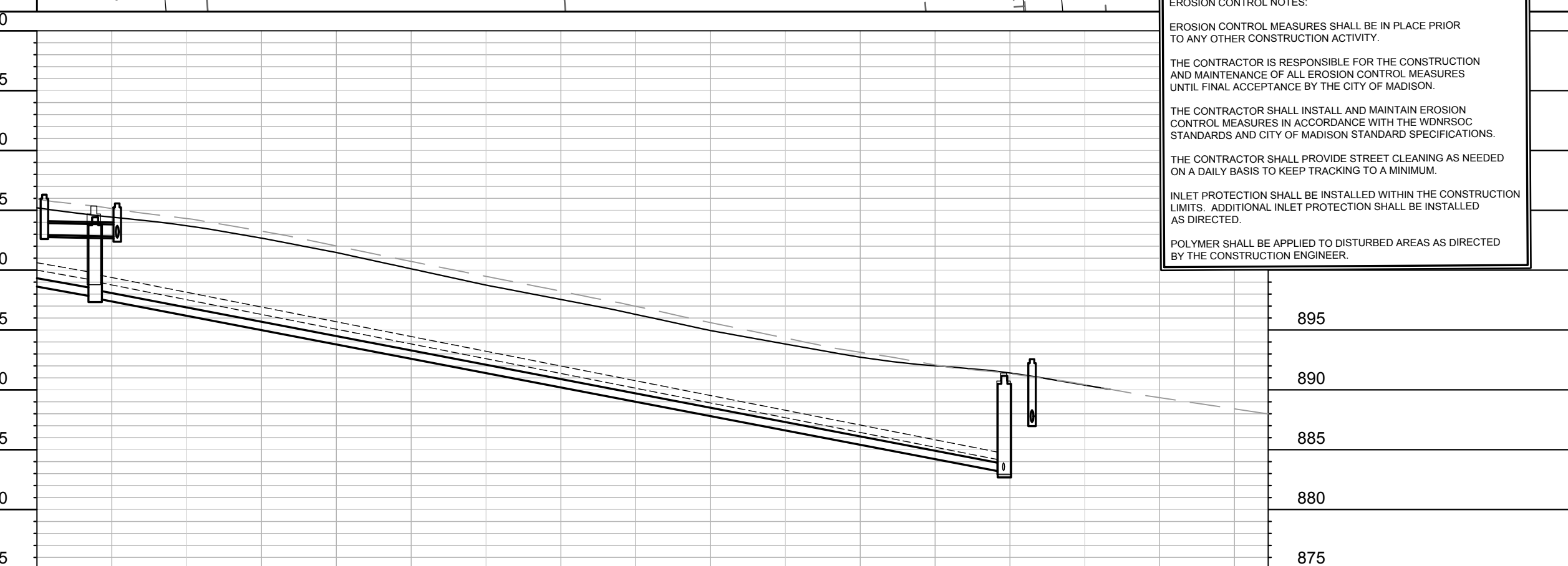
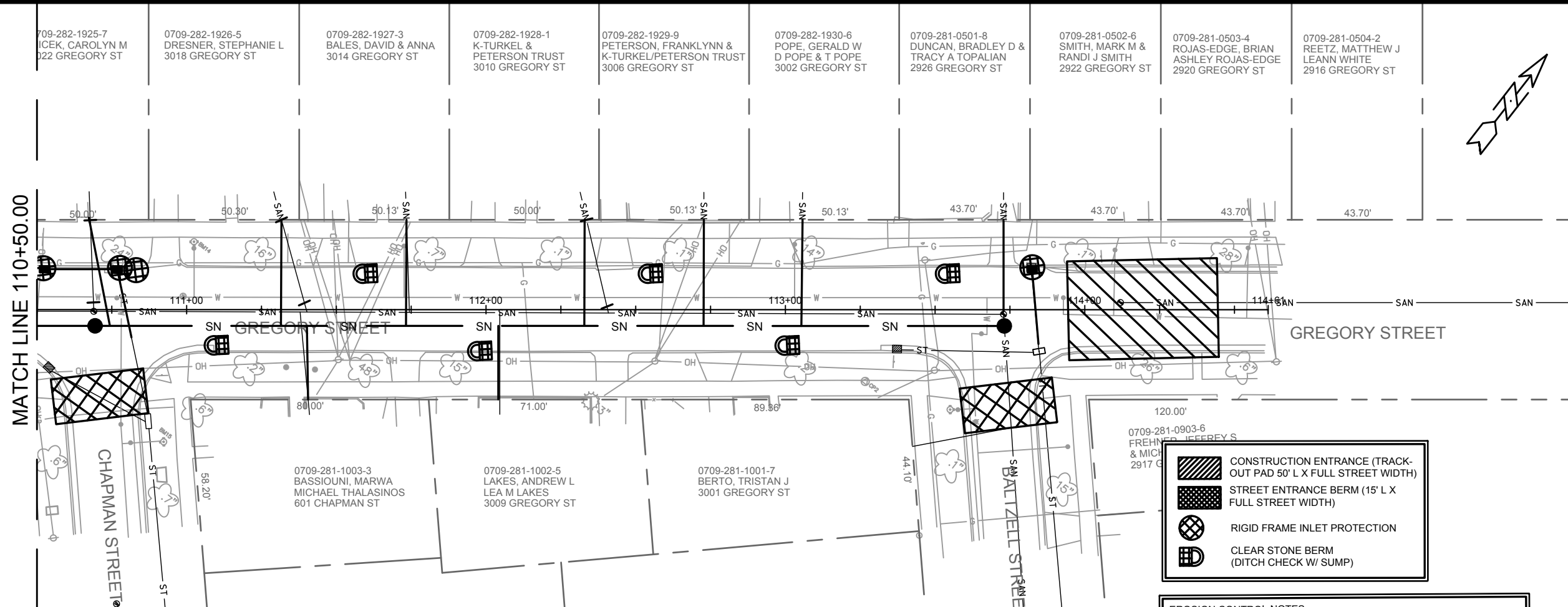
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EROSION CONTROL - GREGORY ST		
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.		
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11188	8501	EC-1







11188  
EC-1







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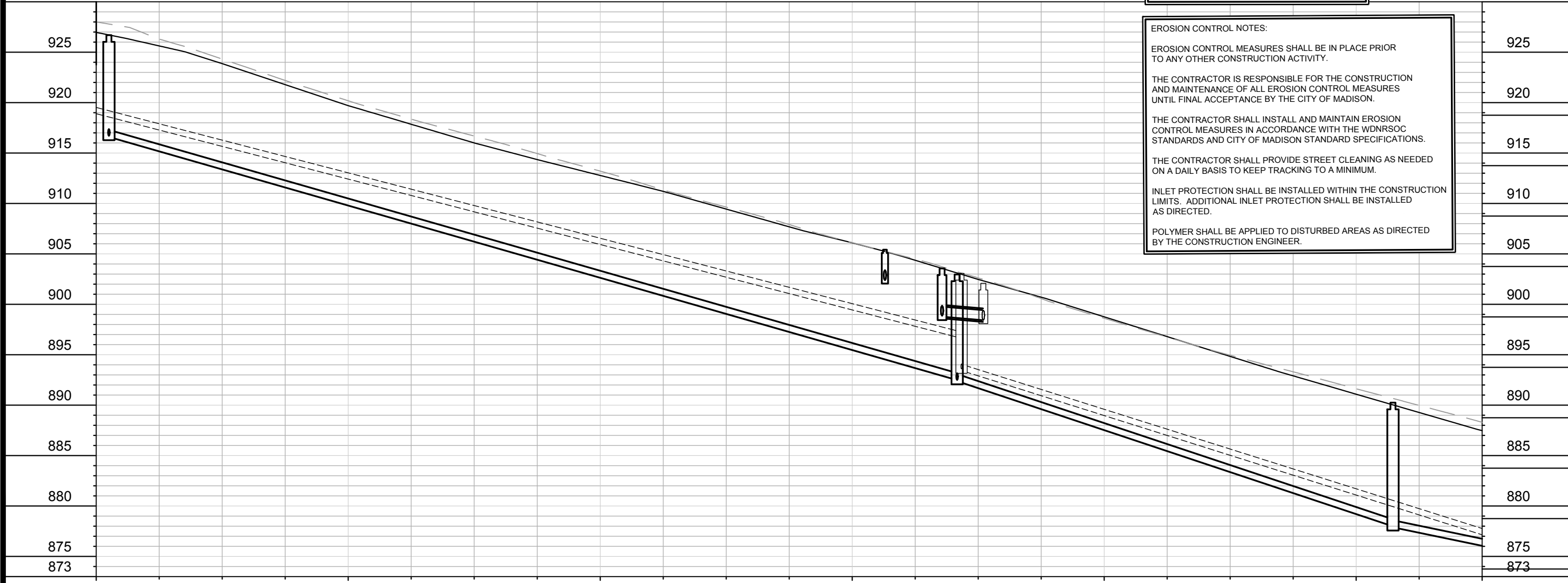
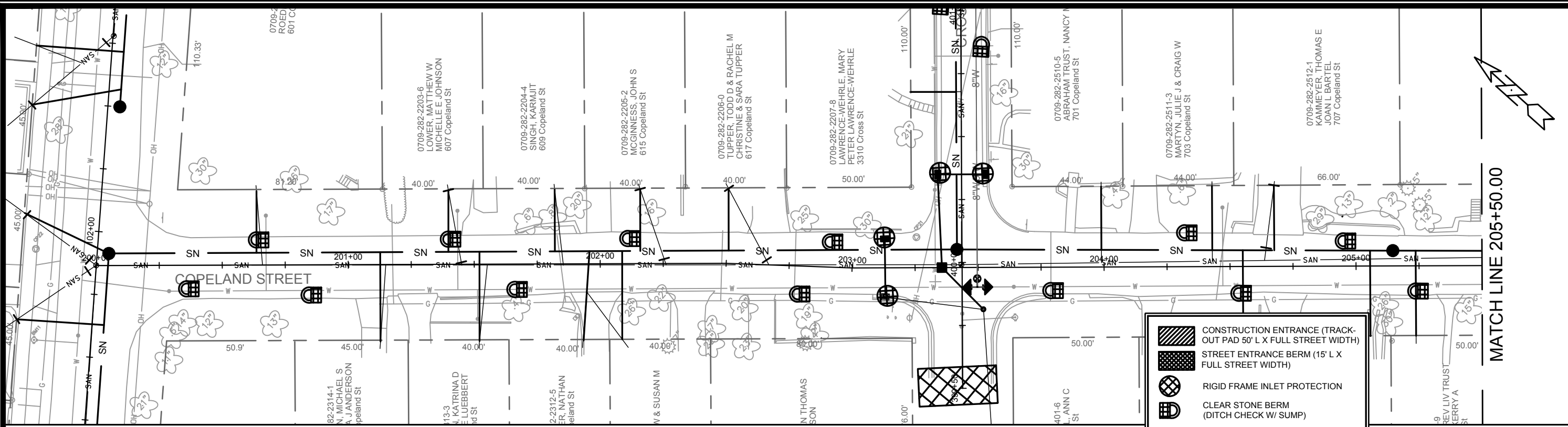
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.





0709-282-1925-7 ICEK, CAROLYN M 222 GREGORY ST	0709-282-1926-5 DRESNER, STEPHANIE L 3018 GREGORY ST	0709-282-1927-3 BALES, DAVID & ANNA 3014 GREGORY ST	0709-282-1928-1 K-TURKEL & PETERSON TRUST 3010 GREGORY ST	0709-282-1929-9 PETERSON, FRANKLYNN & K-TURKEL/PETERSON TRUST 3006 GREGORY ST	0709-282-1930-6 POPE, GERALD W D POPE & T POPE 3002 GREGORY ST	0709-281-0501-8 DUNCAN, BRADLEY D & TRACY A TOPALIAN 2926 GREGORY ST	0709-281-0502-6 SMITH, MARK M & RANDI J SMITH 2922 GREGORY ST	0709-281-0503-4 ROJAS-EDGE, BRIAN ASHLEY ROJAS-EDGE 2920 GREGORY ST	0709-281-0504-2 REETZ, MATTHEW J LEANN WHITE 2916 GREGORY ST
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110+50	111+00	112+00	113+00	114+00	114+61
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11188	11188	11/13/20	EC-3
EROSION CONTROL - GREGORY ST		11188	
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.		MADISON, WI	
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11188		EC-3	





-  CONSTRUCTION ENTRANCE (TRACK-OUT PAD 50' L X FULL STREET WIDTH)
-  STREET ENTRANCE BERM (15' L X FULL STREET WIDTH)
-  RIGID FRAME INLET PROTECTION
-  CLEAR STONE BERM (DITCH CHECK W/ SUMP)

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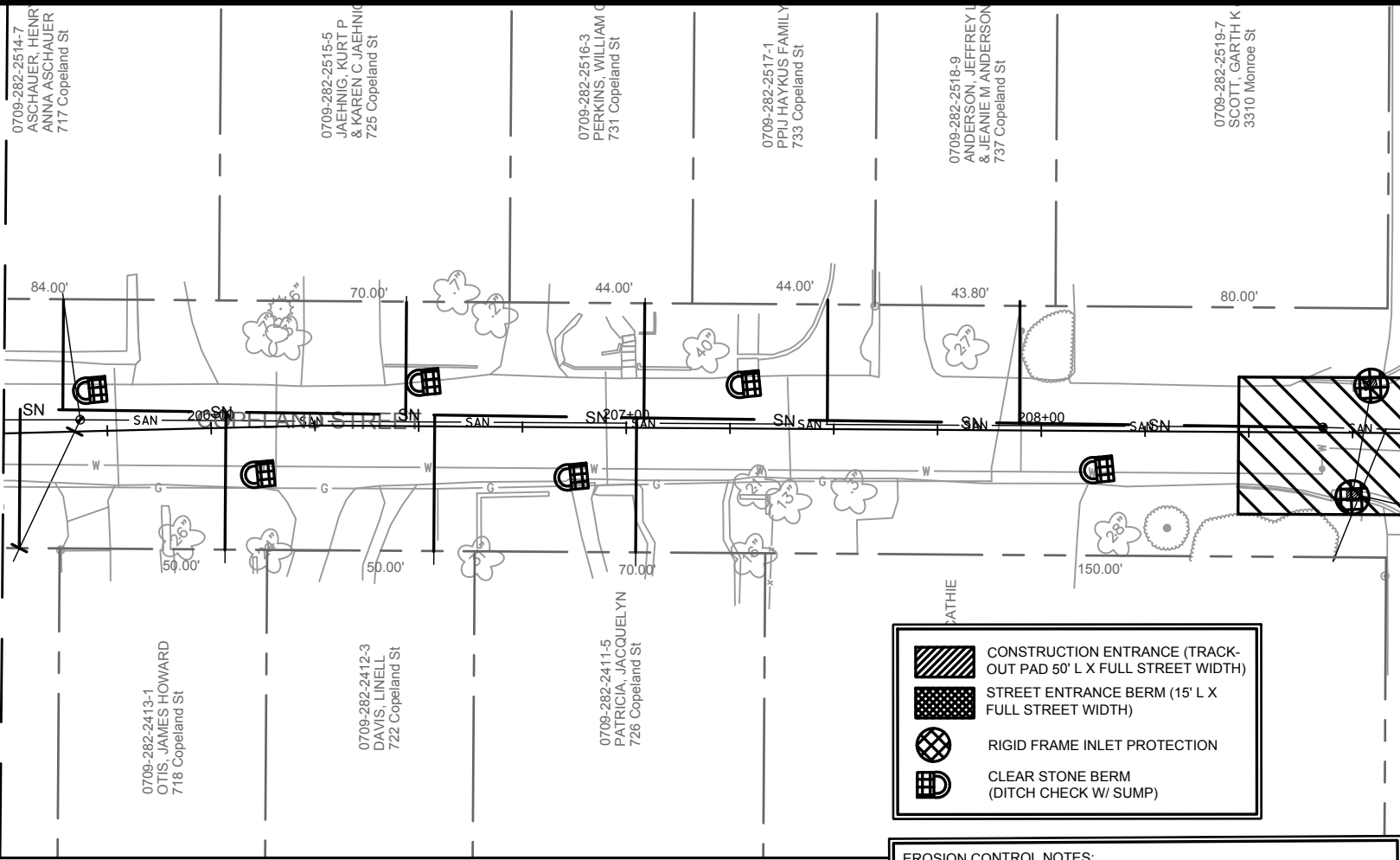
THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.





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

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

11188	11188	11188	11188
MARK	REVISION	DATE	BT
Designed By: DAO	Date: 2/20/2020	11:13 AM	Scale: 1" = 40'
11188	8501	CONTRACT NO:	EC-4
EROSION CONTROL - COPELAND ST		MADISON, WI	
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.		CONTRACT NO: 8501	
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11188		EC-4	

MATCH LINE 205+50.00



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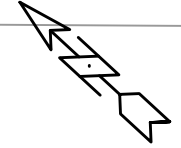
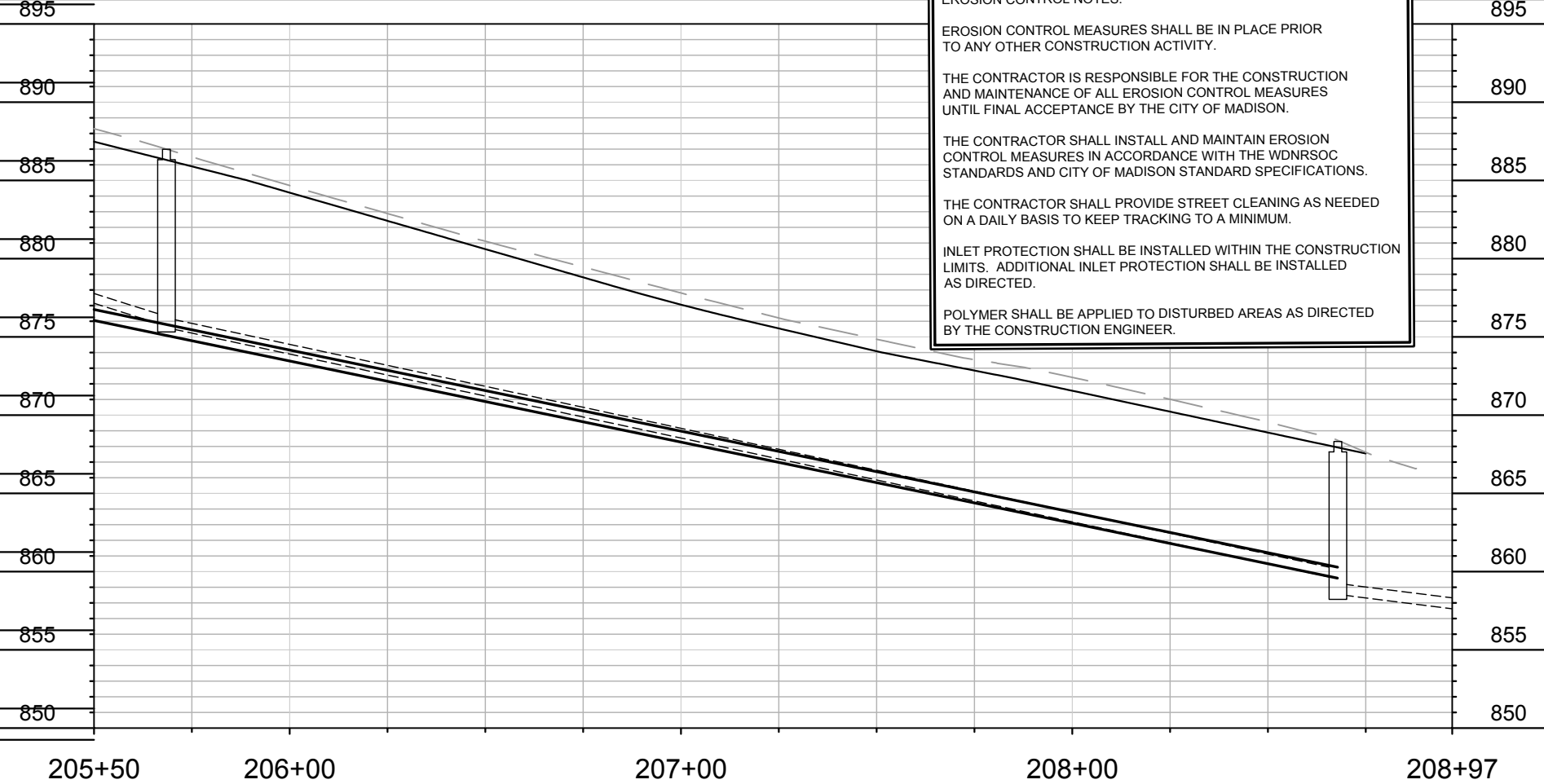
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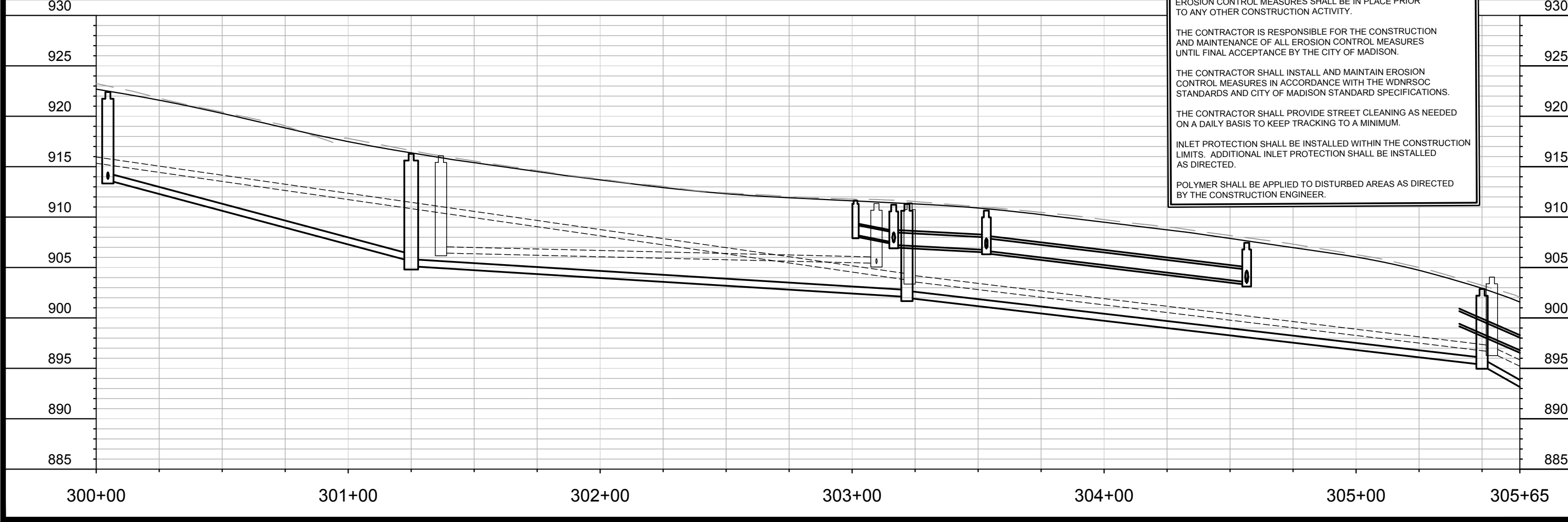
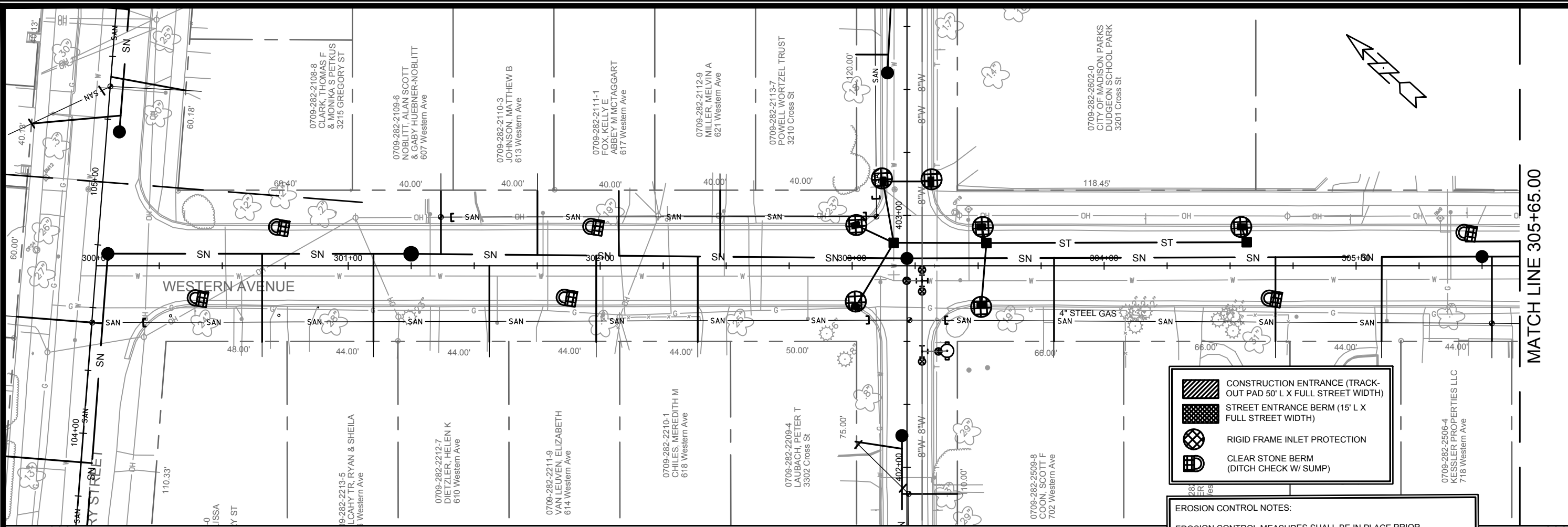
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	<b>11188</b> <b>EC-5</b>	<b>11188</b> <b>8501</b>	<b>EROSION CONTROL - COPELAND ST</b> <b>GREGORY ST, CROSS ST, COPELAND ST, &amp; WESTERN AVE RECON.</b> <small>M:\DESIGN\Projects\11188\11188 Civil 3D\CAD\Sewers\11188SEWERS-EROSION CONTROL.dwg</small>																
<b>11188</b>	<b>MADISON, WI</b>	<b>CONTRACT NO:</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>REVISION</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	REVISION	DATE	BY												
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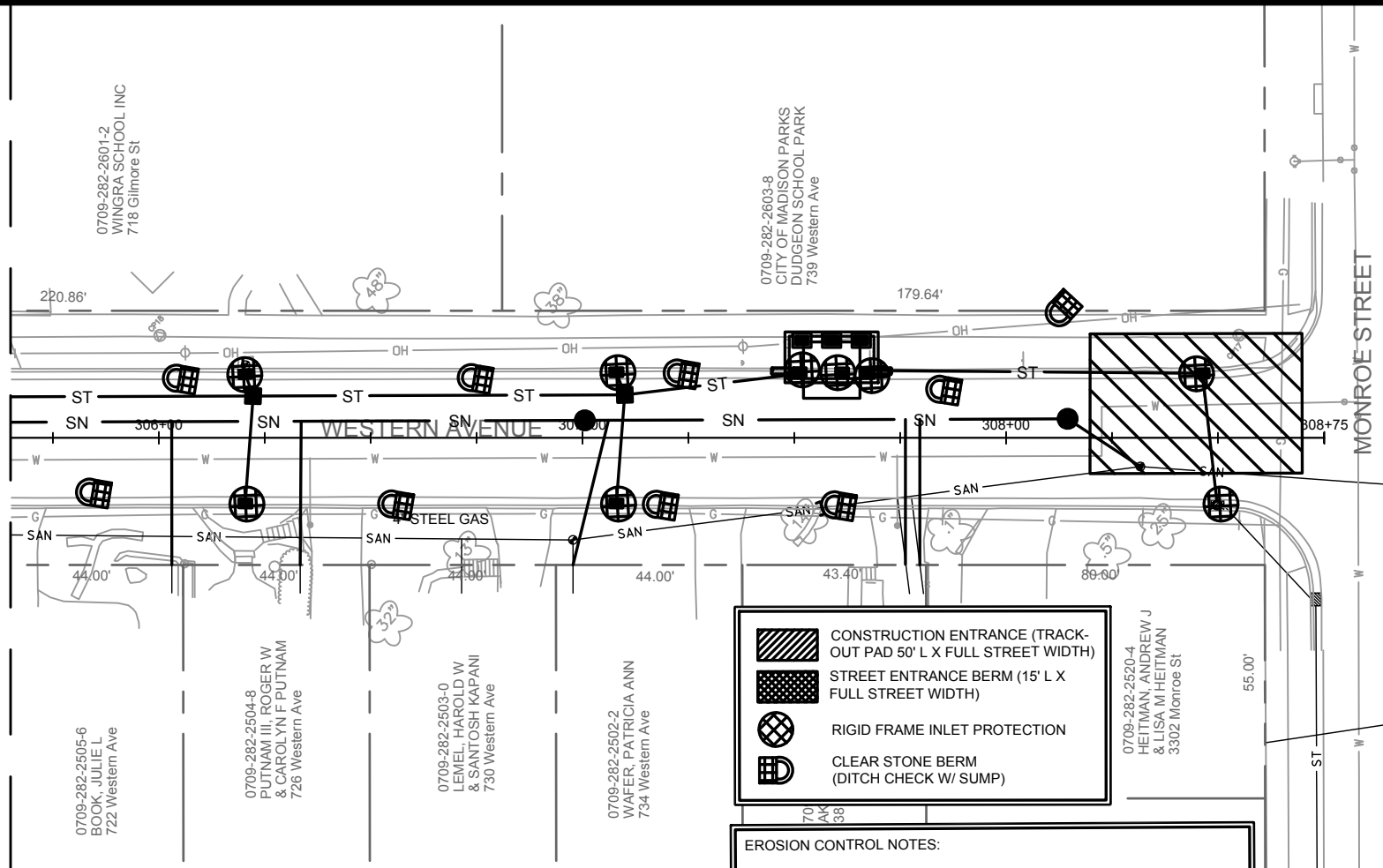
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11188	MADISON, WI	CONTRACT NO.: 8501	EC-6
EROSION CONTROL - WESTERN AVE			
GREGORY ST, COPLAND ST, & WESTERN AVE RECON.			
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11188		EC-6	

MATCH LINE 305+65.00



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**EROSION CONTROL NOTES:**

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

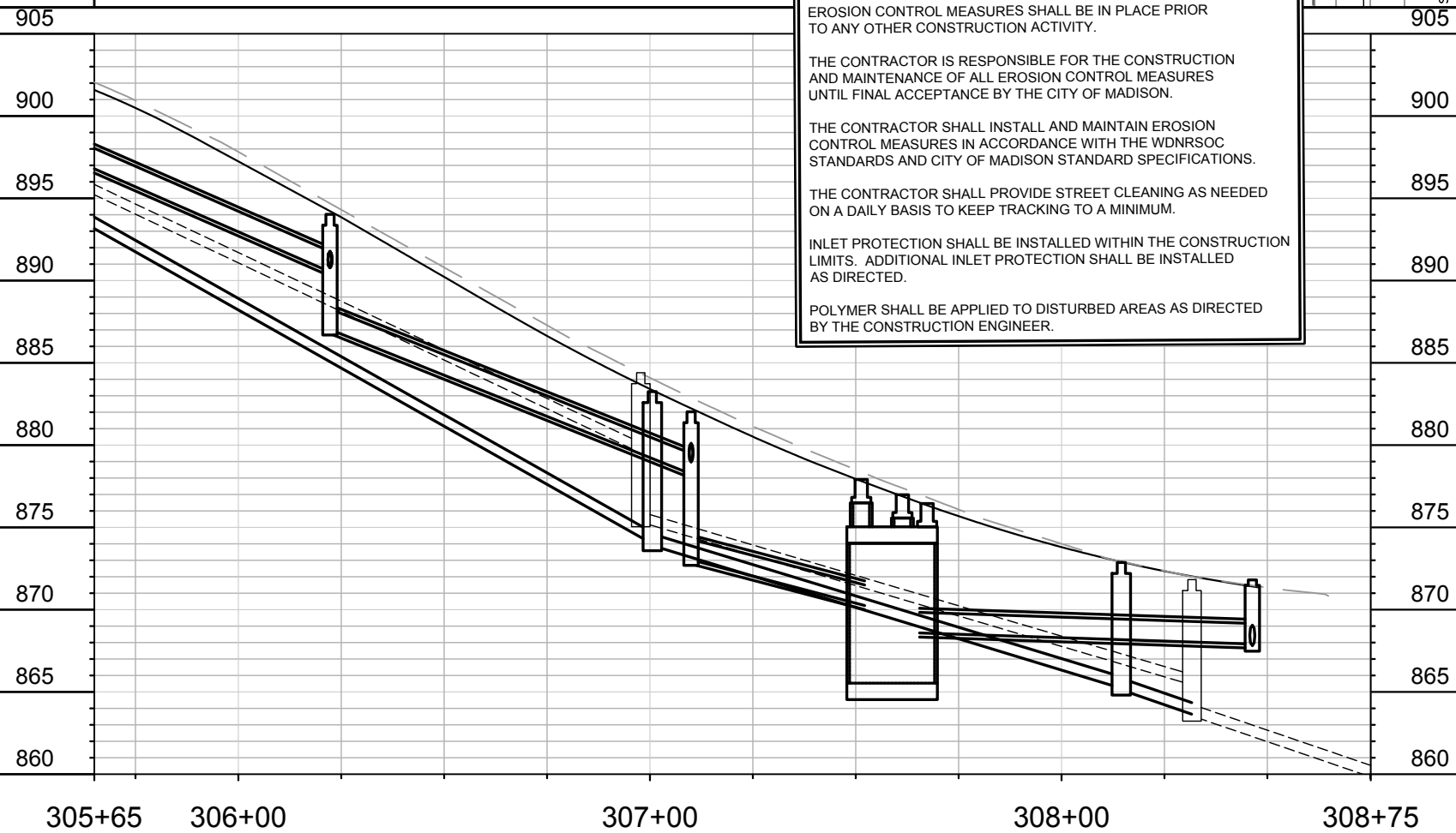
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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

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

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

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



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11188

MADISON, WI

8501

CONTRACT NO:

EROSION CONTROL - WESTERN AVE

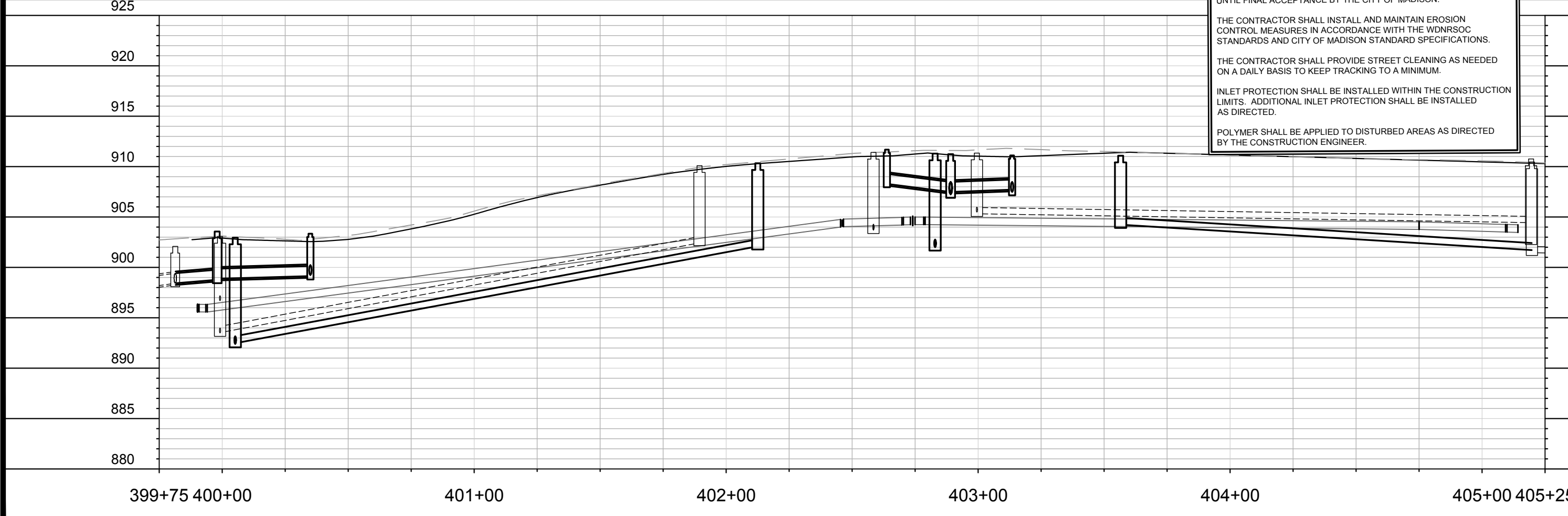
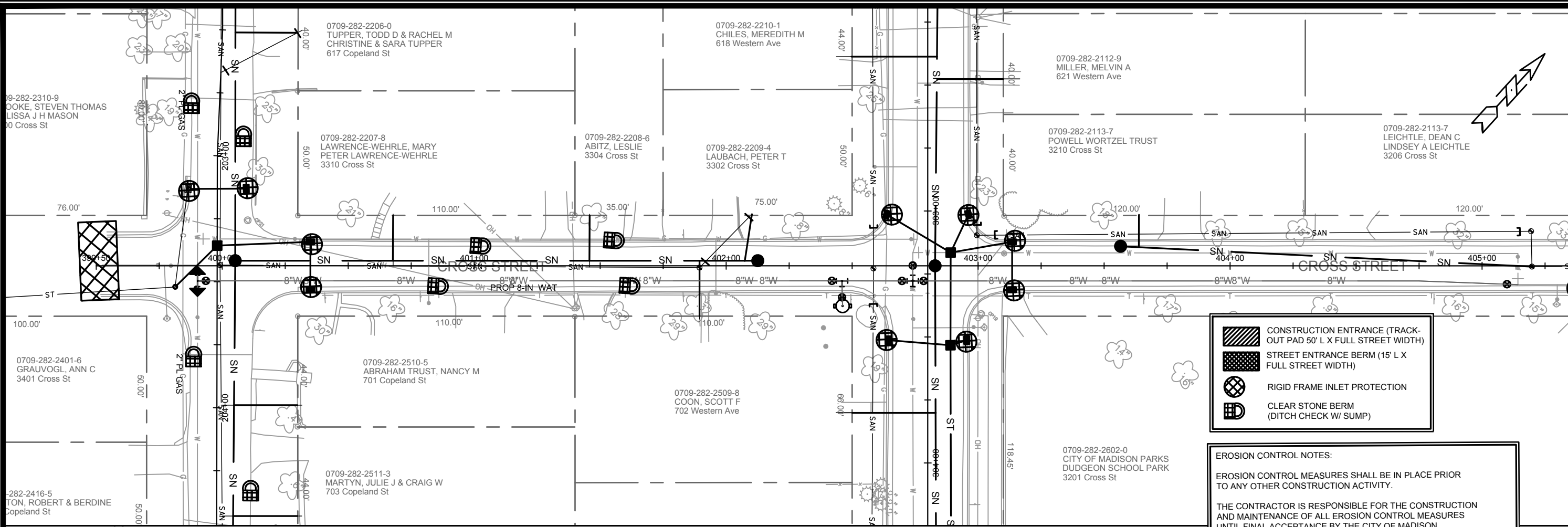
GREGORY ST, COPELAND ST, & WESTERN AVE RECON.





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11188

EC-7



-  CONSTRUCTION ENTRANCE (TRACK-OUT PAD 50' L X FULL STREET WIDTH)
-  STREET ENTRANCE BERM (15' L X FULL STREET WIDTH)
-  RIGID FRAME INLET PROTECTION
-  CLEAR STONE BERM (DITCH CHECK W/ SUMP)

**EROSION CONTROL NOTES:**

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


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

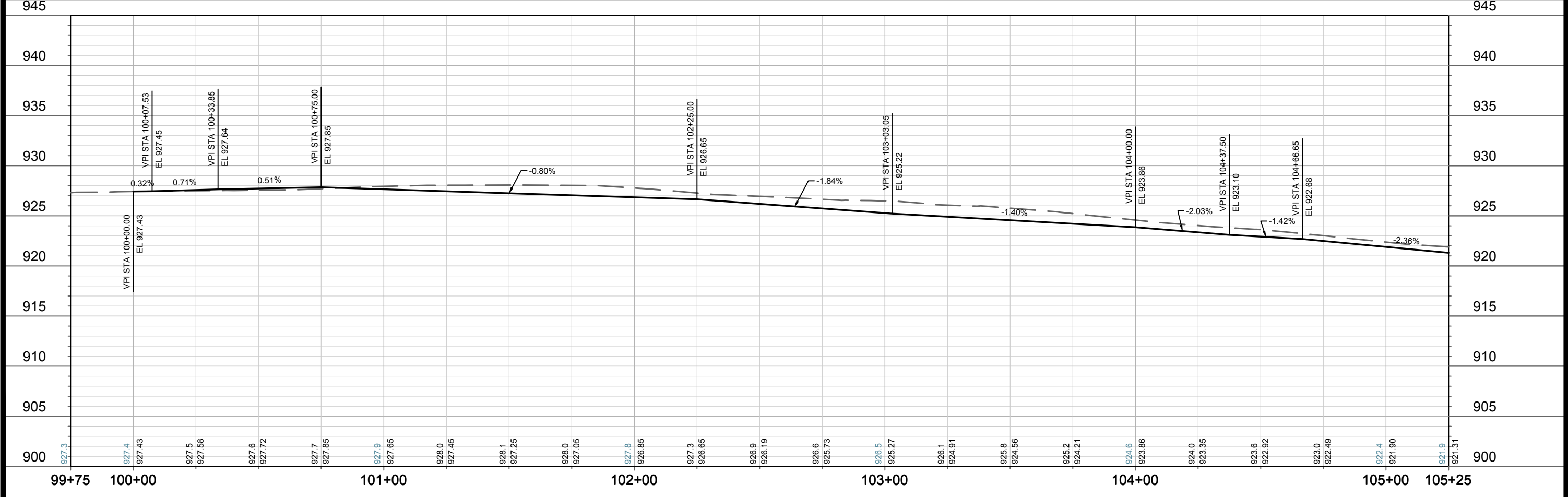
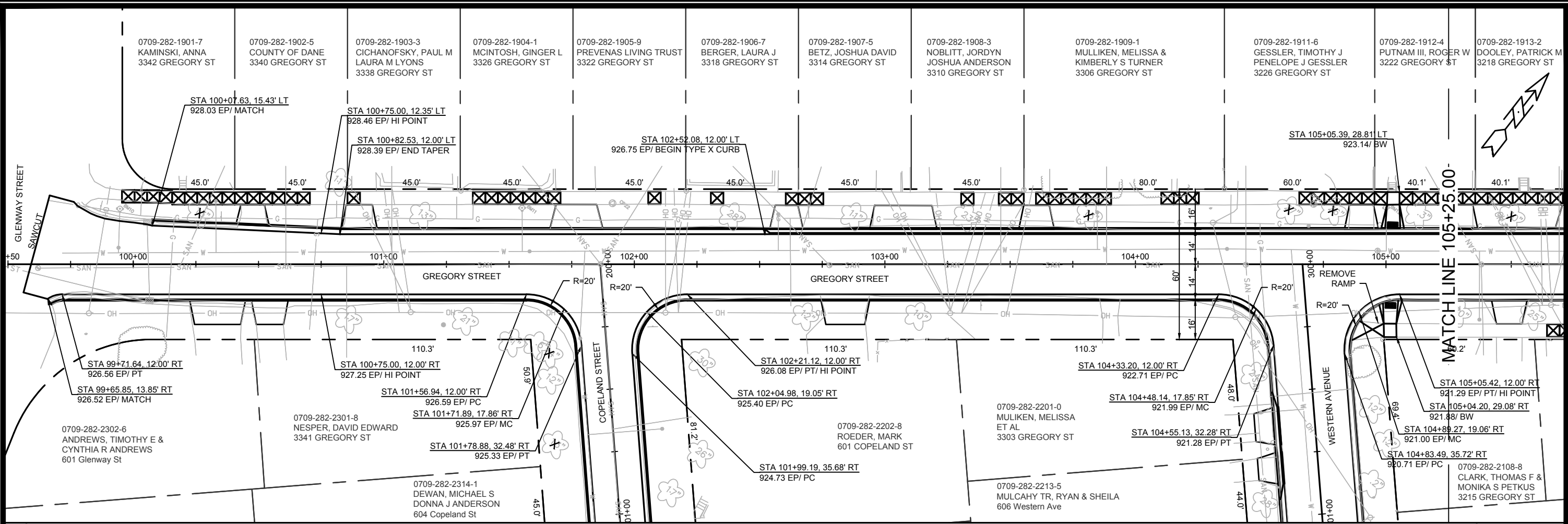
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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

11188	MADISON, WI	CONTRACT NO.: 8501	EC-8
EROSION CONTROL - CROSS ST			
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.			
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11188			EC-8



0709-282-1901-7 KAMINSKI, ANNA 3342 GREGORY ST	0709-282-1902-5 COUNTY OF DANE 3340 GREGORY ST	0709-282-1903-3 CICHANOWSKY, PAUL M LAURA M LYONS 3338 GREGORY ST	0709-282-1904-1 MCINTOSH, GINGER L 3326 GREGORY ST	0709-282-1905-9 PREVENAS LIVING TRUST 3322 GREGORY ST	0709-282-1906-7 BERGER, LAURA J 3318 GREGORY ST	0709-282-1907-5 BETZ, JOSHUA DAVID 3314 GREGORY ST	0709-282-1908-3 NOBLITT, JORDYN JOSHUA ANDERSON 3310 GREGORY ST	0709-282-1909-1 MULLIKEN, MELISSA & KIMBERLY S TURNER 3306 GREGORY ST	0709-282-1911-6 GESSLER, TIMOTHY J PENELOPE J GESSLER 3226 GREGORY ST	0709-282-1912-4 PUTNAM III, ROGER W 3222 GREGORY ST	0709-282-1913-2 DOOLEY, PATRICK M 3218 GREGORY ST
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0709-282-2302-6 ANDREWS, TIMOTHY E & CYNTHIA R ANDREWS 601 Glenway St	0709-282-2301-8 NESPER, DAVID EDWARD 3341 GREGORY ST	0709-282-2314-1 DEWAN, MICHAEL S DONNA J ANDERSON 604 Copeland St	0709-282-2202-8 ROEDER, MARK 601 COPELAND ST	0709-282-2201-0 MULIKEN, MELISSA ET AL 3303 GREGORY ST	0709-282-2213-5 MULCAHY TR, RYAN & SHEILA 606 Western Ave	0709-282-2108-8 CLARK, THOMAS F & MONIKA S PETKUS 3215 GREGORY ST
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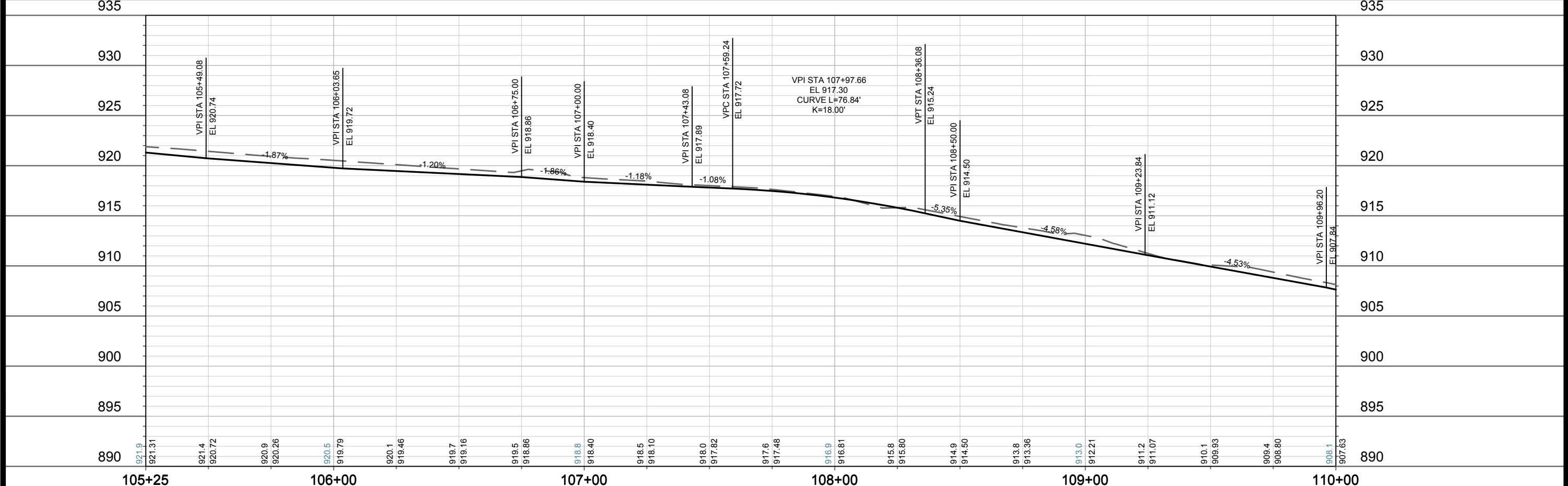
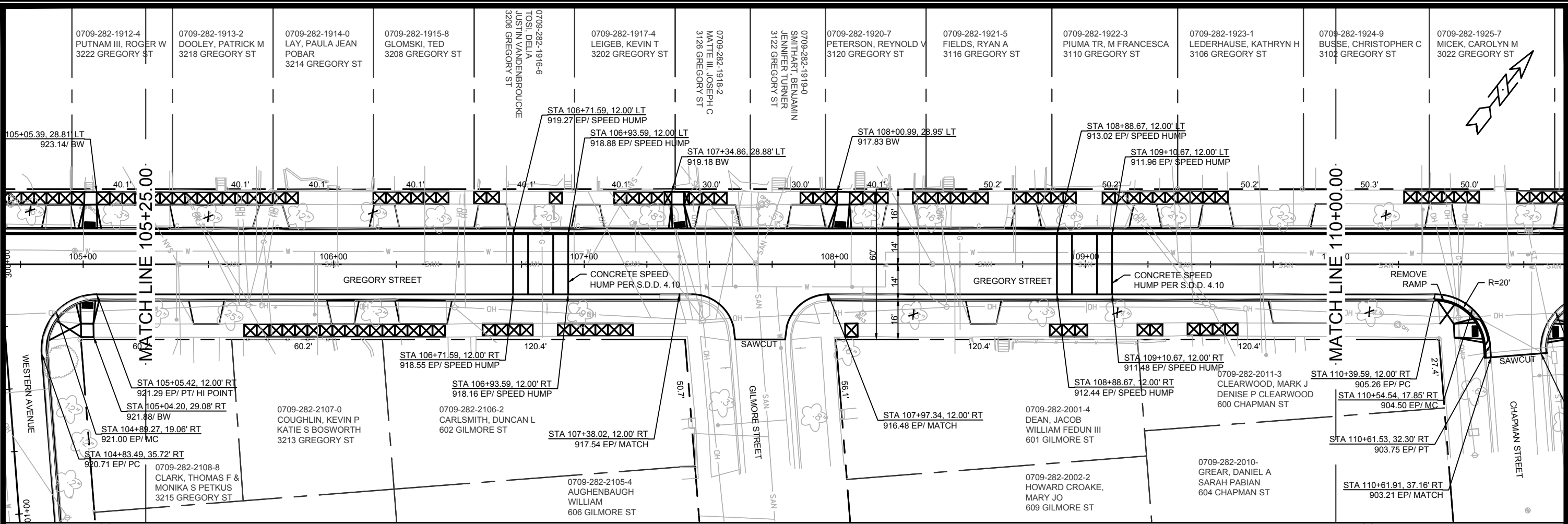
  

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MADISON, WI  
CONTRACT NO.: 8501  
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0709-282-2107-0 COUGHLIN, KEVIN P KATIE S BOSWORTH 3213 GREGORY ST	0709-282-2106-2 CARLSMITH, DUNCAN L 602 GILMORE ST	0709-282-2108-8 CLARK, THOMAS F & MONIKA S PETKUS 3215 GREGORY ST	0709-282-2001-4 DEAN, JACOB WILLIAM FEDUN III 601 GILMORE ST	0709-282-2002-2 HOWARD CROAKE, MARY JO 609 GILMORE ST	0709-282-2010-3 CLEARWOOD, MARK J DENISE P CLEARWOOD 600 CHAPMAN ST	0709-282-2010-4 GREAR, DANIEL A SARAH PABIAN 604 CHAPMAN ST
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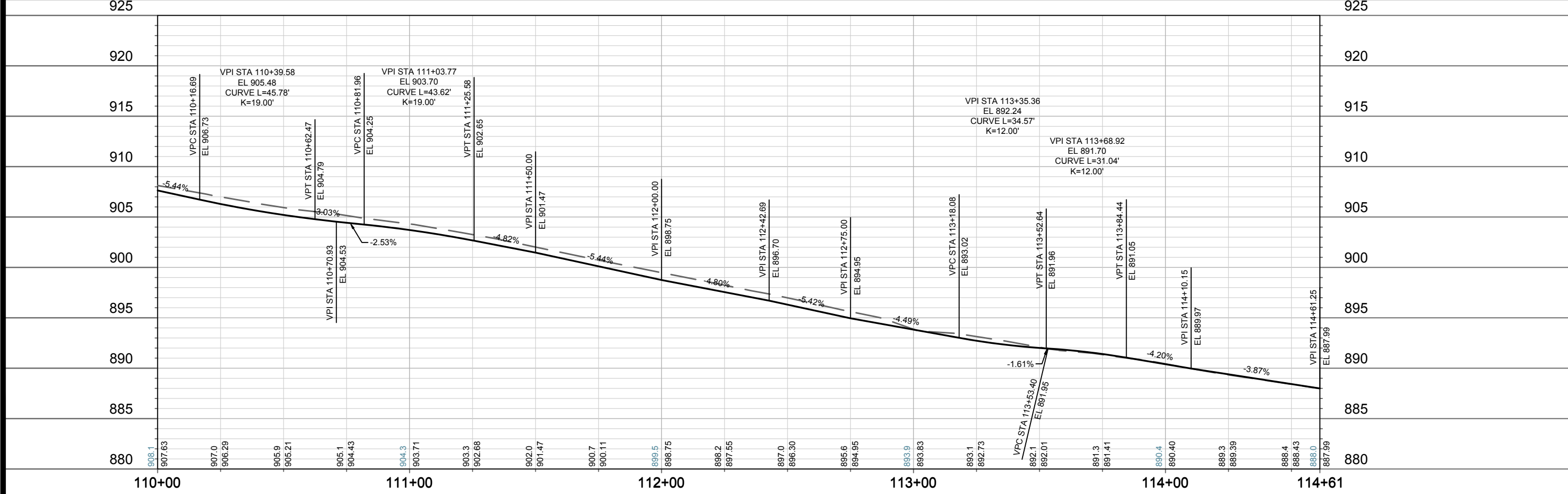
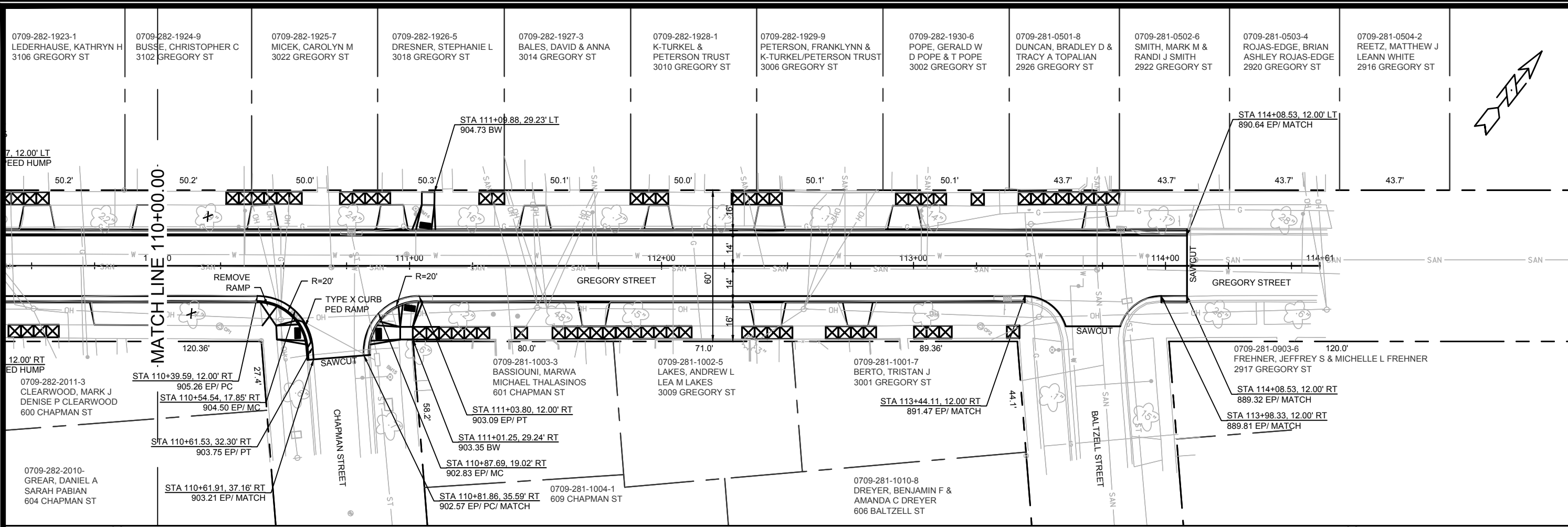
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11188	CONTRACT NO.	

PLAN & PROFILE - GREGORY STREET  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.

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P-2



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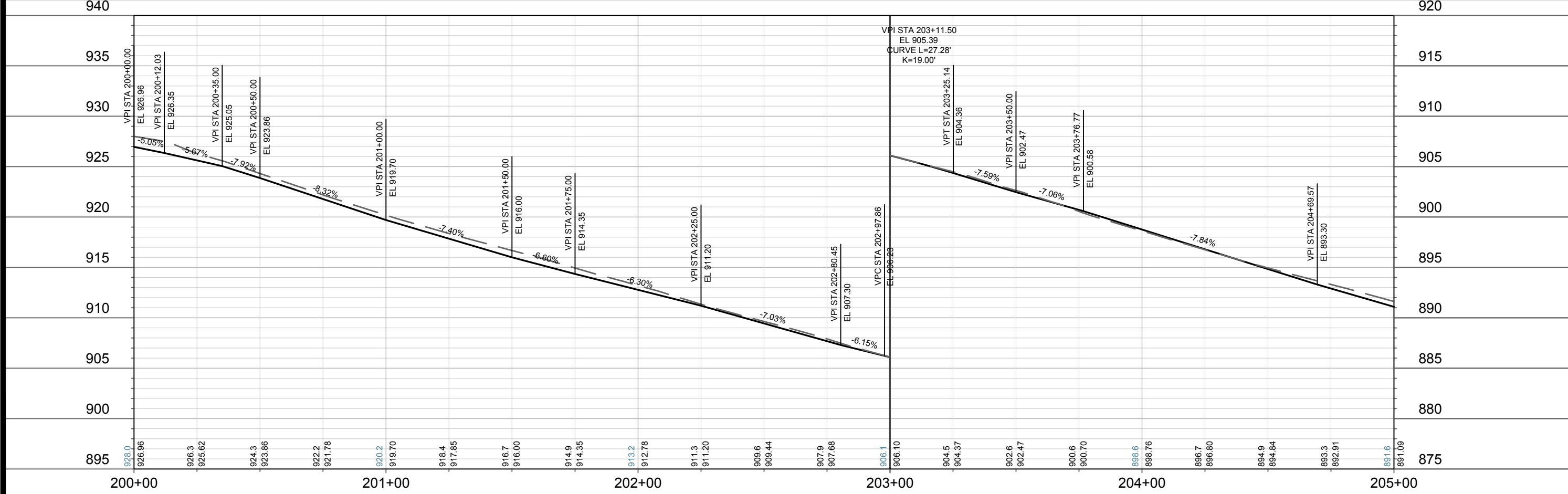
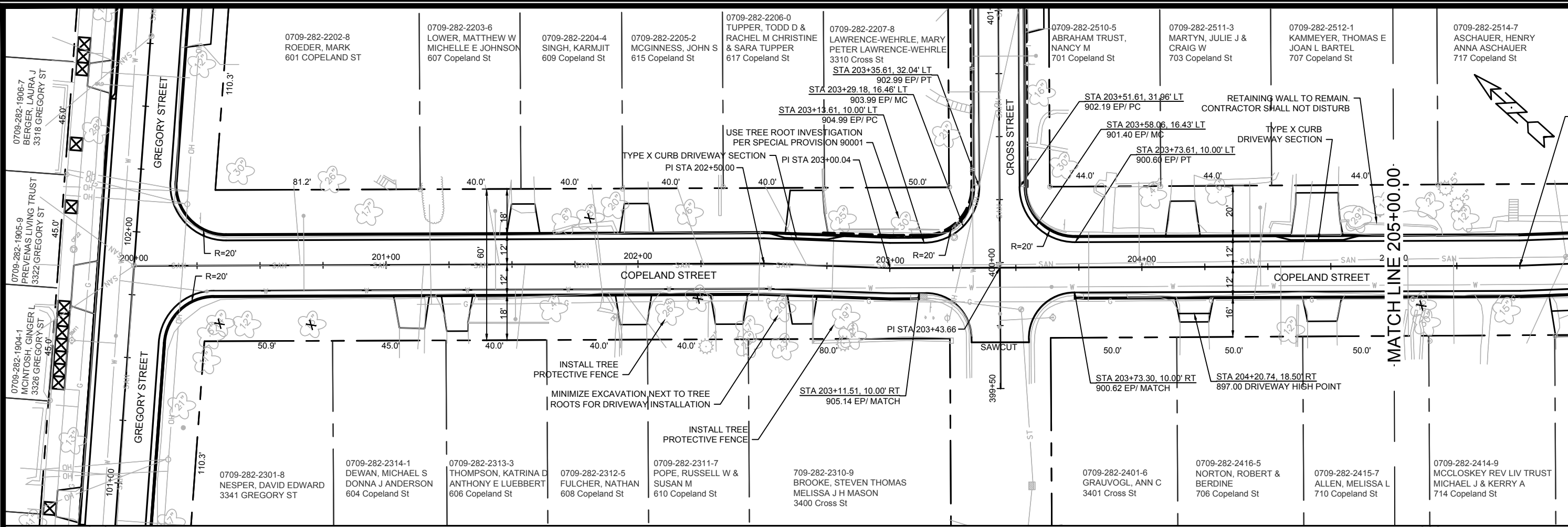
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MADISON, WI	MADISON, WI	MADISON, WI
CONTRACT NO: 8501	CONTRACT NO: 8501	CONTRACT NO: 8501

PLAN & PROFILE - GREGORY STREET  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.

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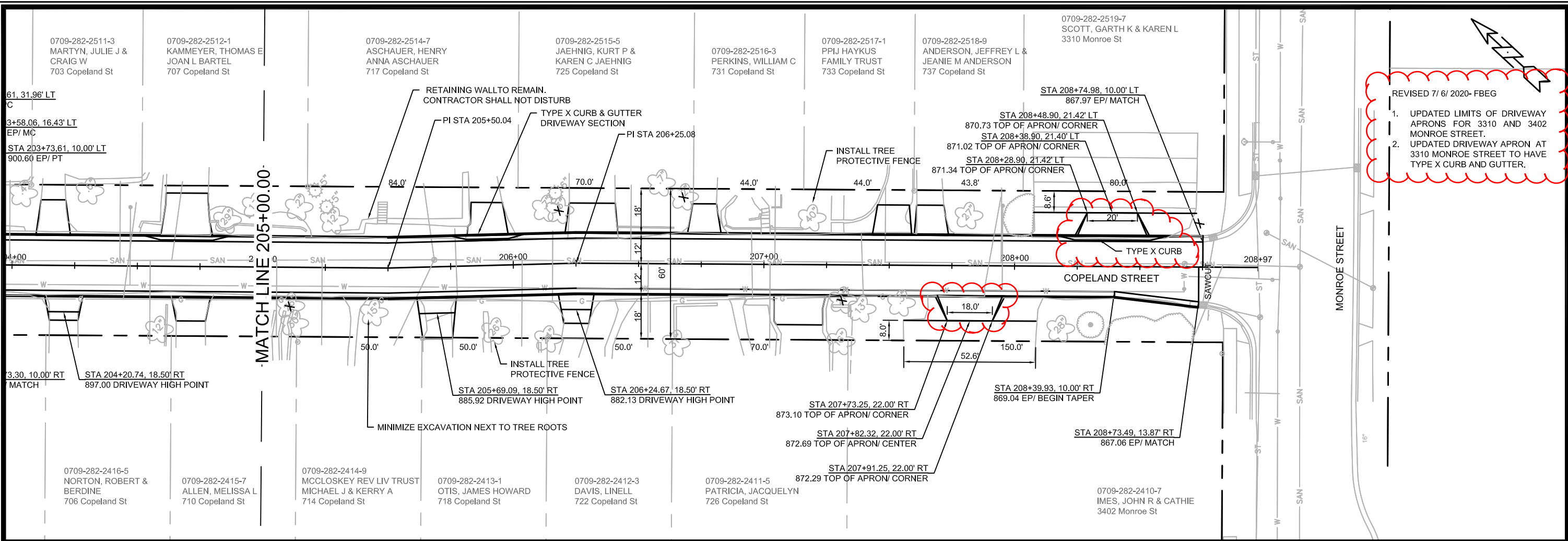
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P-3



0709-282-1906-7 BERGER, LAURA J 3318 GREGORY ST	0709-282-2202-8 ROEDER, MARK 601 COPELAND ST	0709-282-2203-6 LOWER, MATTHEW W MICHELLE E JOHNSON 607 Copeland St	0709-282-2204-4 SINGH, KARMIJIT 609 Copeland St	0709-282-2205-2 MCGINNESS, JOHN S 615 Copeland St	0709-282-2206-0 TUPPER, TODD D & RACHEL M CHRISTINE & SARA TUPPER 617 Copeland St	0709-282-2207-8 LAWRENCE-WEHRLE, MARY PETER LAWRENCE-WEHRLE 3310 Cross St STA 203+35.61, 32.04' LT 902.99 EP/ PT	0709-282-2510-5 ABRAHAM TRUST, NANCY M 701 Copeland St	0709-282-2511-3 MARTYN, JULIE J & CRAIG W 703 Copeland St	0709-282-2512-1 KAMMEYER, THOMAS E JOAN L BARTEL 707 Copeland St	0709-282-2514-7 ASCHAUER, HENRY ANNA ASCHAUER 717 Copeland St
0709-282-1905-9 PREVENAS LIVING TRUST 3322 GREGORY ST	0709-282-2301-8 NESPER, DAVID EDWARD 3341 GREGORY ST	0709-282-2314-1 DEWAN, MICHAEL S DONNA J ANDERSON 604 Copeland St	0709-282-2313-3 THOMPSON, KATRINA D ANTHONY E LUEBBERT 606 Copeland St	0709-282-2312-5 FULCHER, NATHAN 608 Copeland St	0709-282-2311-7 POPE, RUSSELL W & SUSAN M 610 Copeland St	0709-282-2310-9 BROOKE, STEVEN THOMAS MELISSA J H MASON 3400 Cross St	0709-282-2401-6 GRAUVOGL, ANN C 3401 Cross St	0709-282-2416-5 NORTON, ROBERT & BERDINE 706 Copeland St	0709-282-2415-7 ALLEN, MELISSA L 710 Copeland St	0709-282-2414-9 MCCLOSKEY REV LIV TRUST MICHAEL J & KERRY A 714 Copeland St

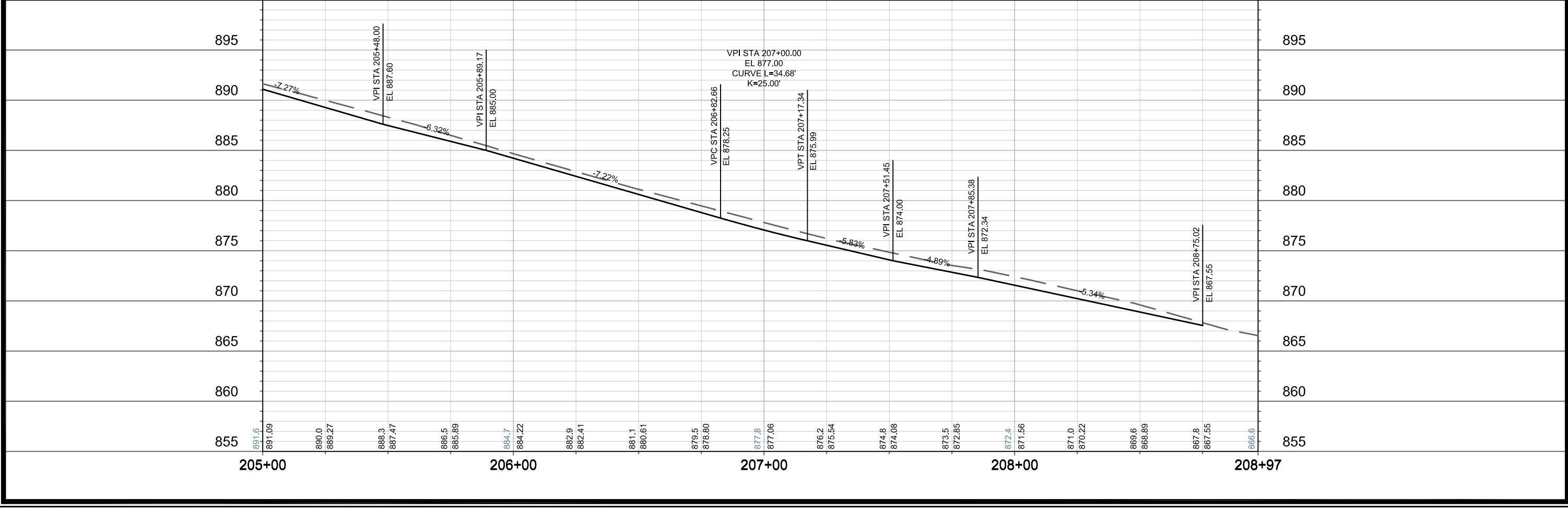
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 MADISON, WI  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
 CONTRACT NO.: 8501  
 11188  
 P-4





REVISED 7/6/2020- FBEG

1. UPDATED LIMITS OF DRIVEWAY APRONS FOR 3310 AND 3402 MONROE STREET.
2. UPDATED DRIVEWAY APRON AT 3310 MONROE STREET TO HAVE TYPE X CURB AND GUTTER.



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MADISON, WI

CONTRACT NO: 8501

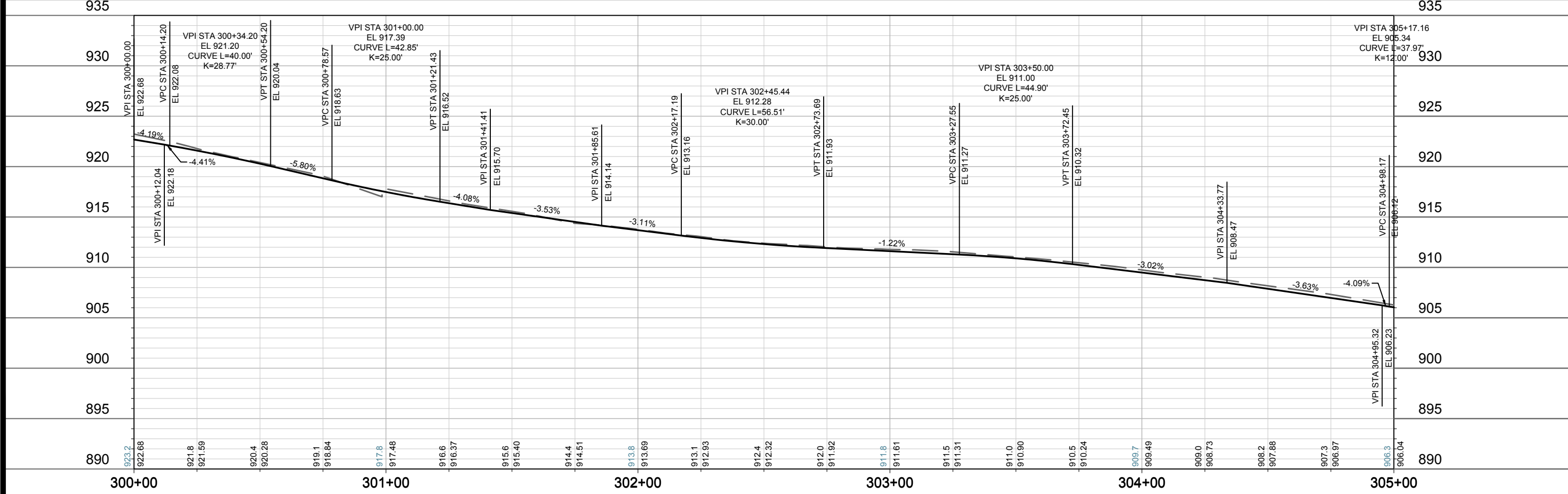
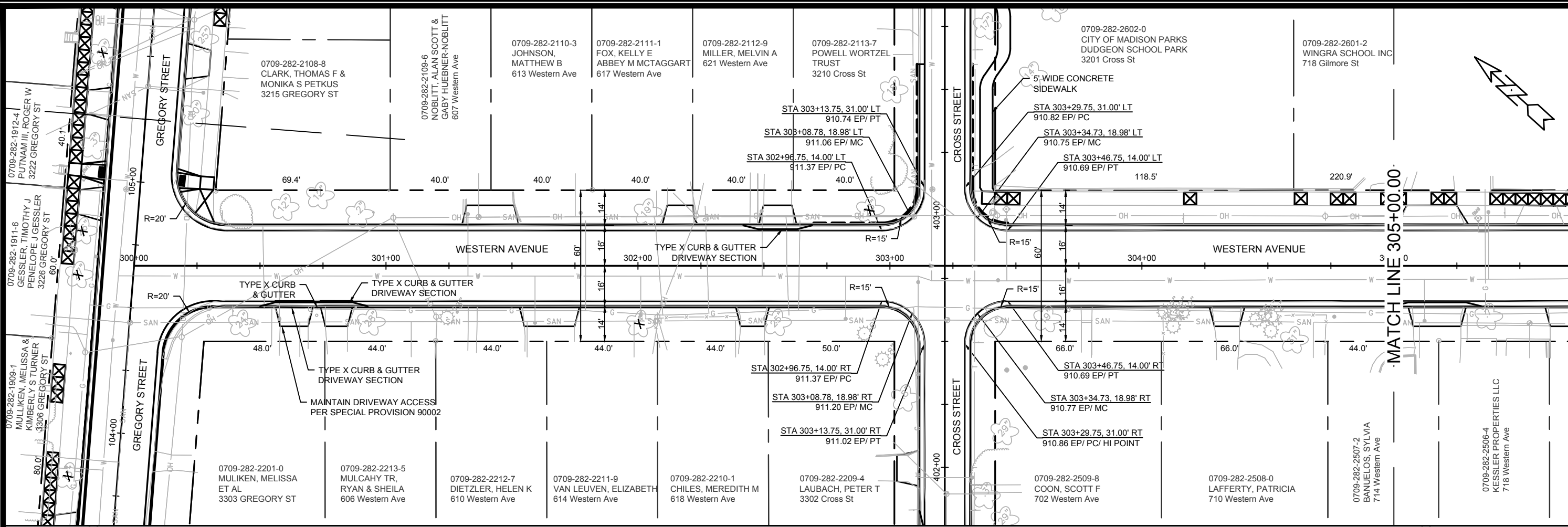
PLAN & PROFILE - COPELAND STREET

GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.

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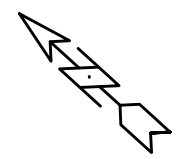
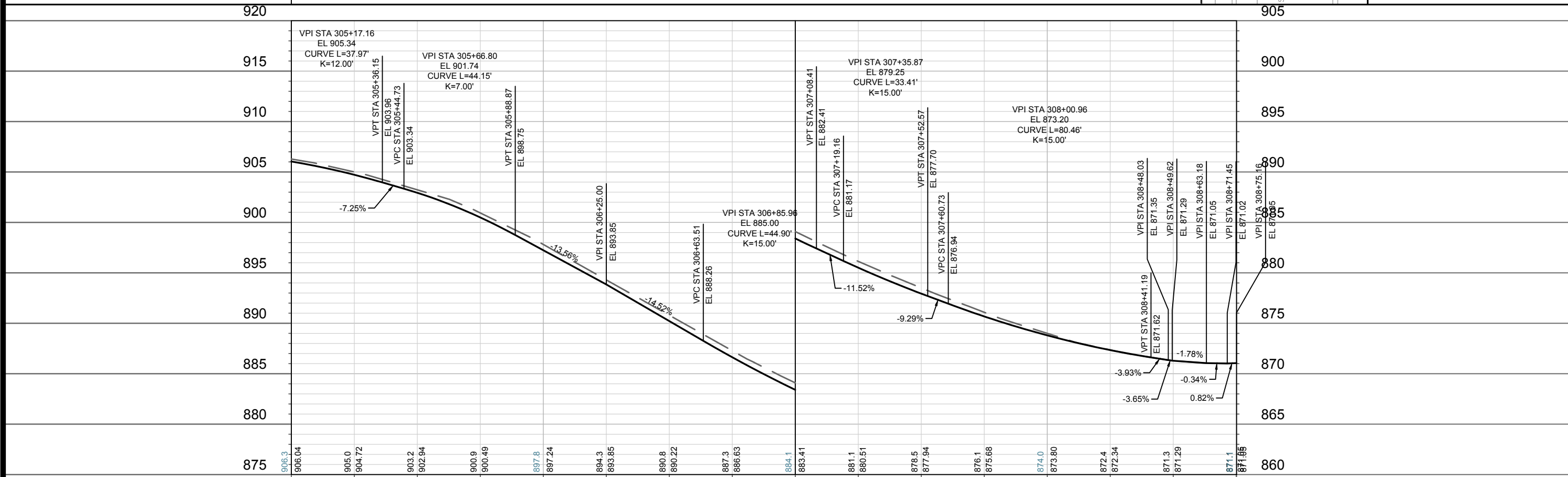
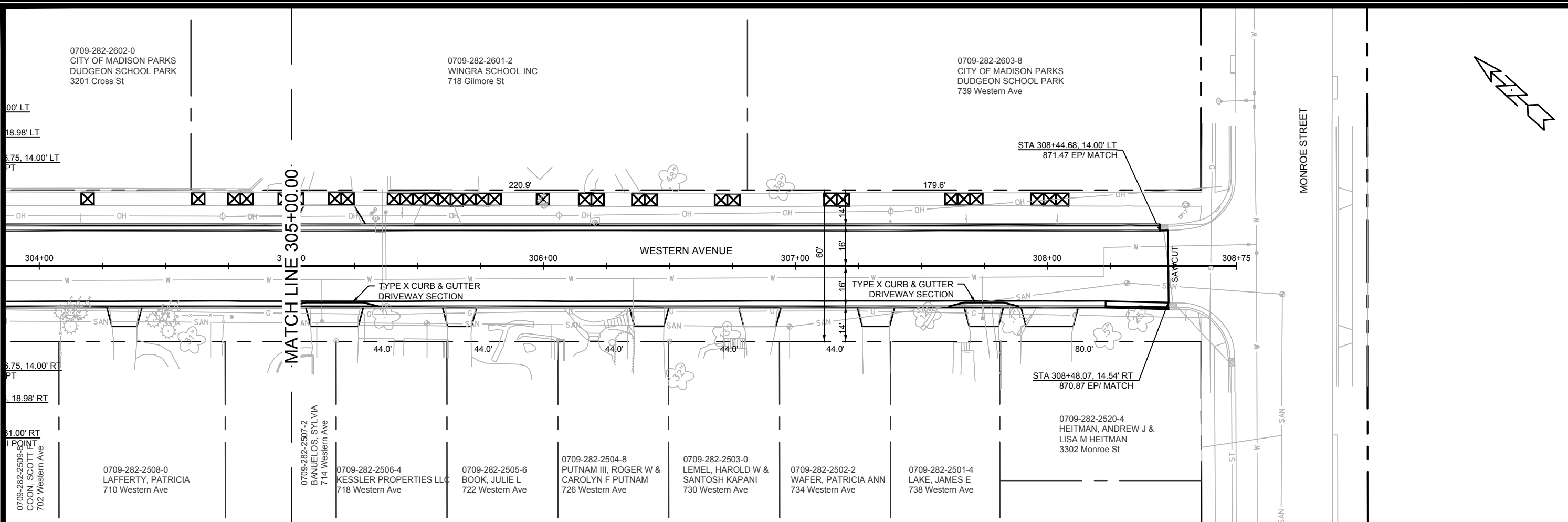
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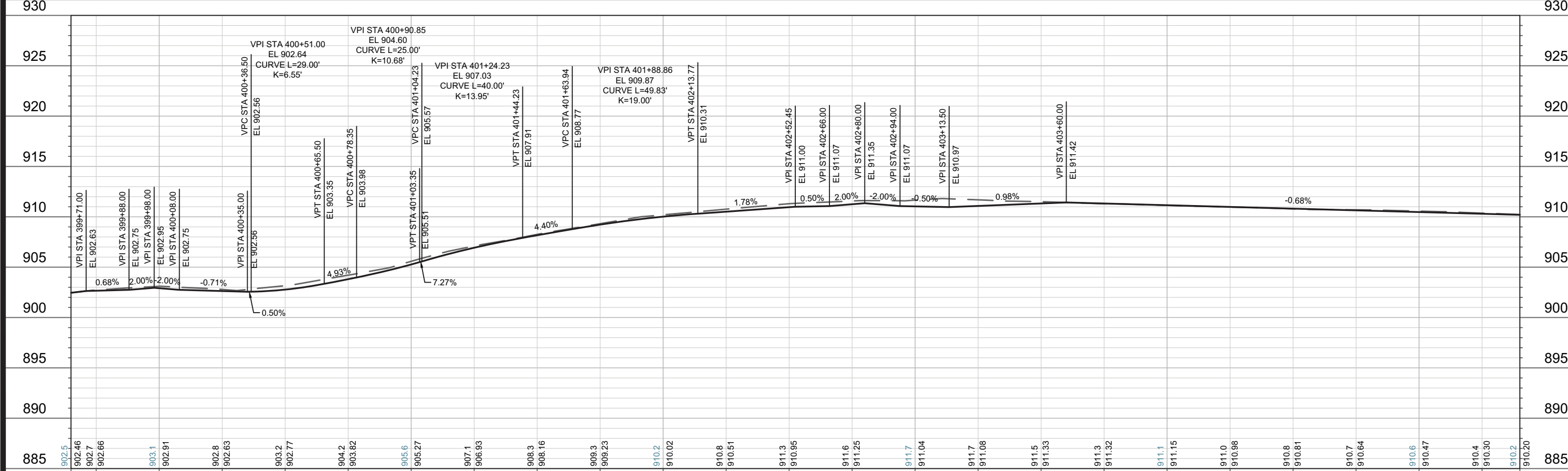
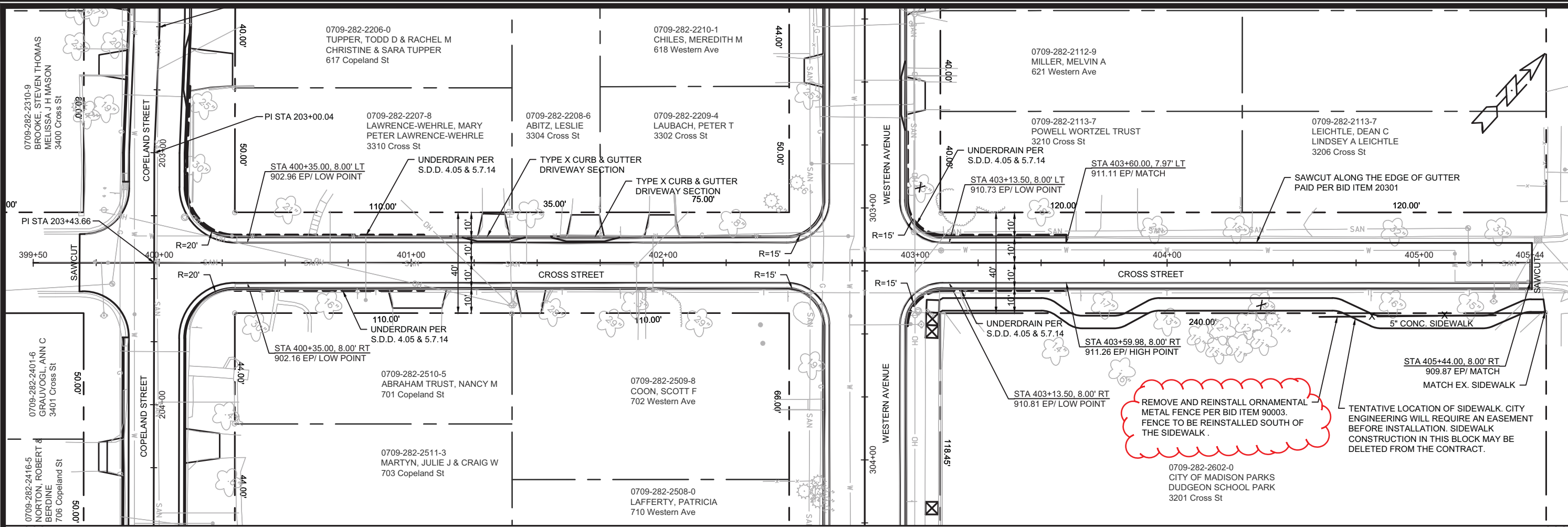


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PLAN & PROFILE - WESTERN AVENUE			
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.			
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11188		CONTRACT NO: 8501	
PLAN & PROFILE - WESTERN AVENUE GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.			
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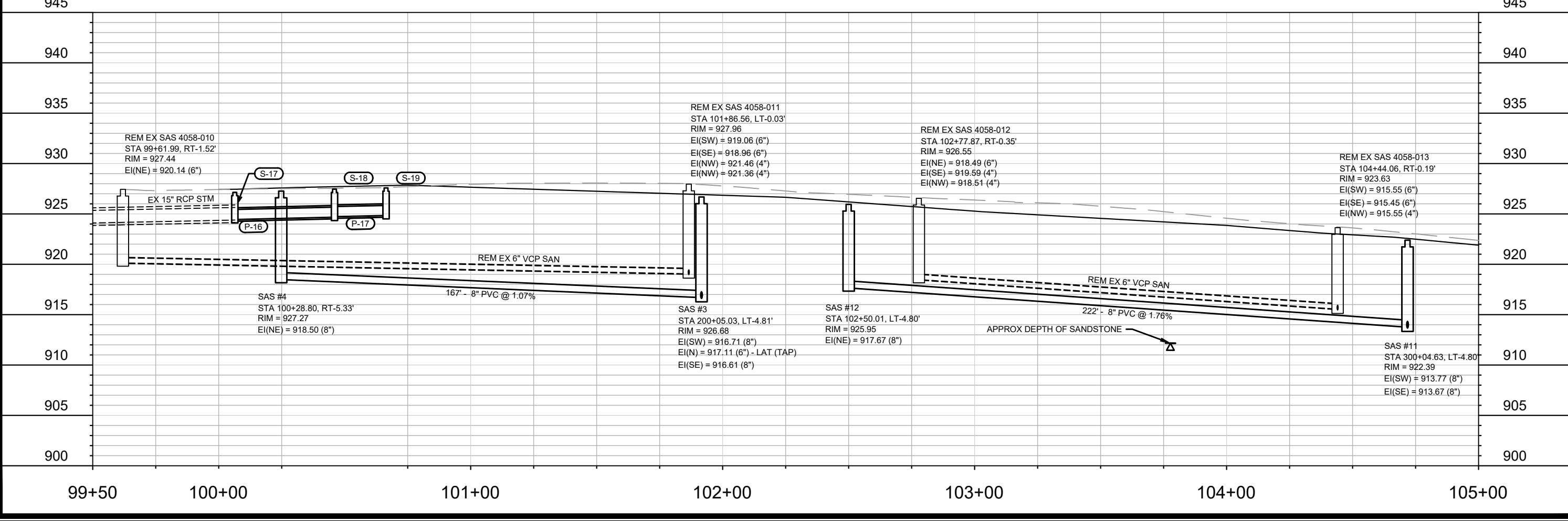
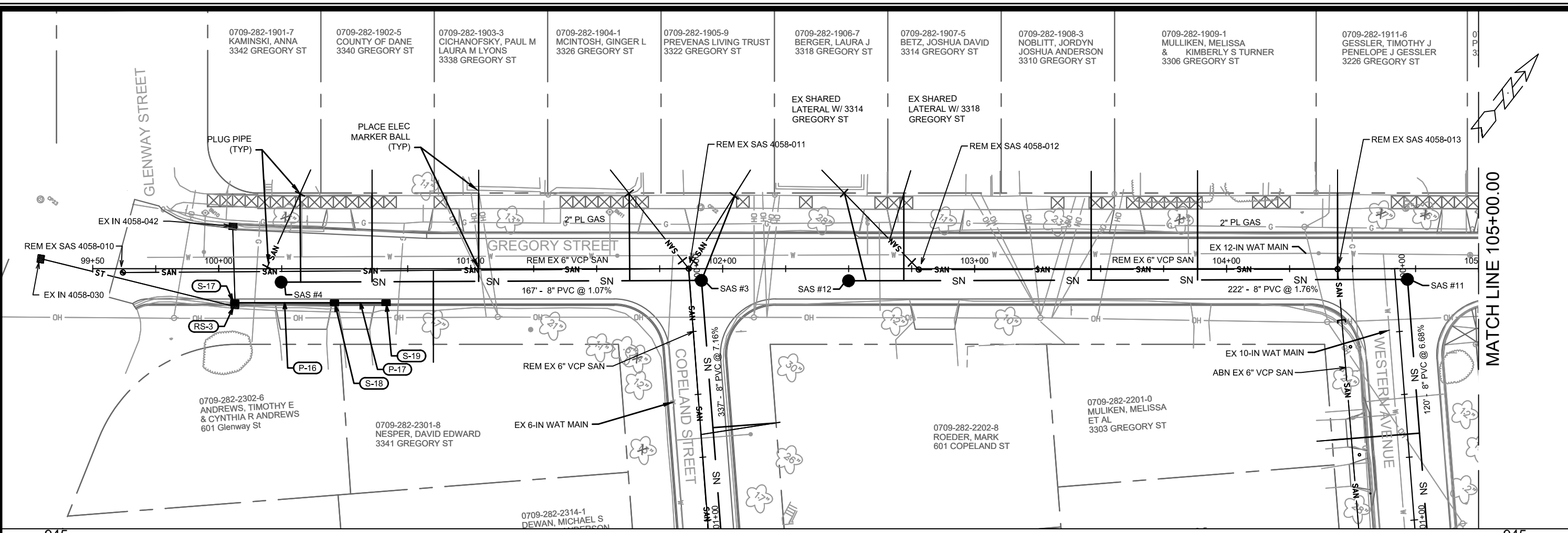


11188  
MADISON, WI  
CONTRACT NO.: 8501

PLAN & PROFILE - CROSS STREET  
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.

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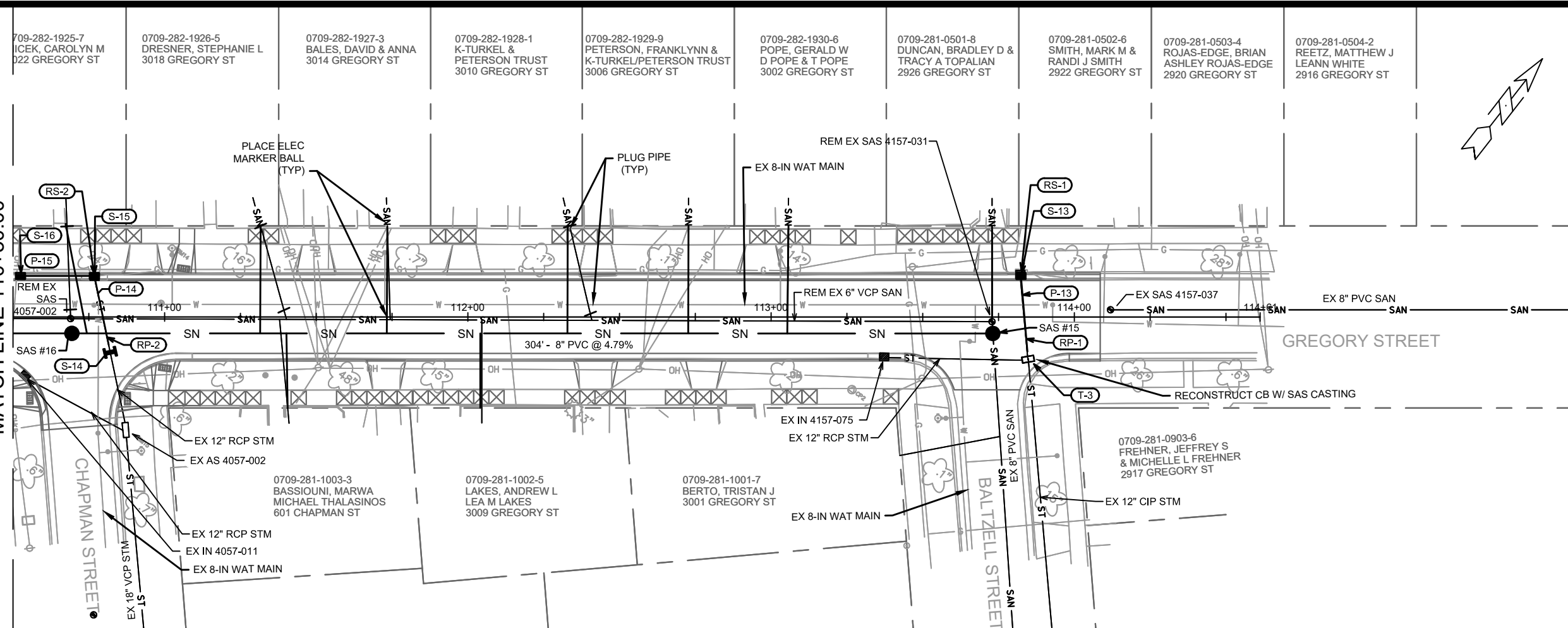
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CONTRACT NO:		
UTILITIES PLAN & PROFILE - GREGORY ST		
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.		
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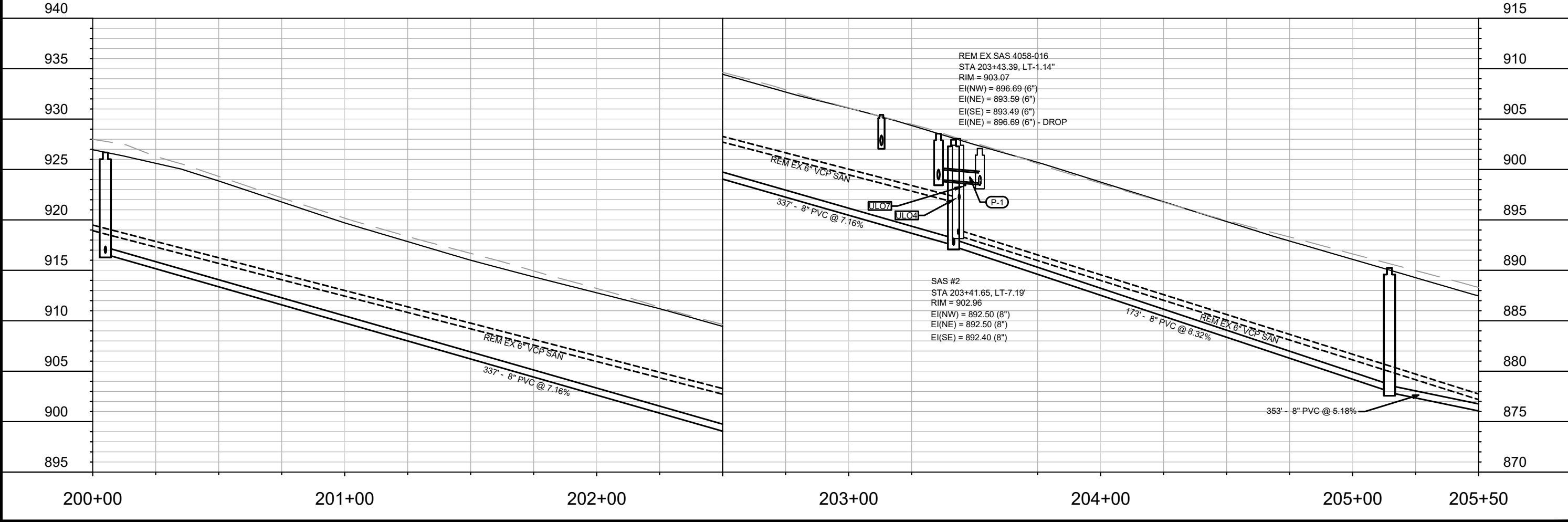
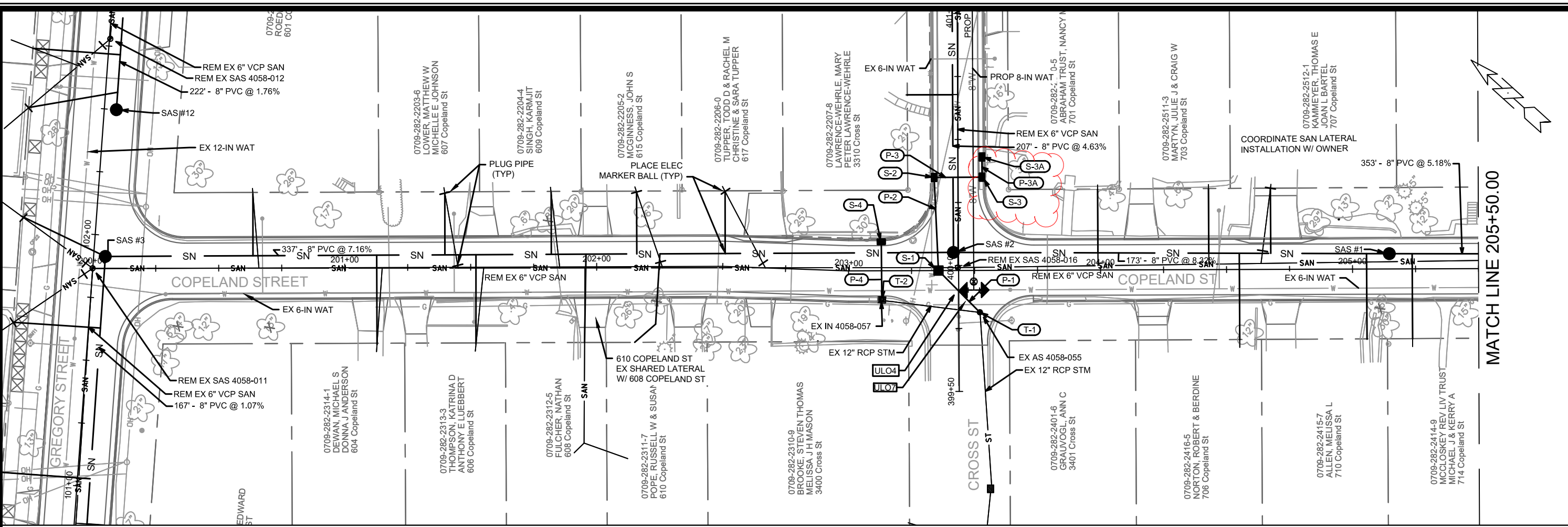


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 0709-282-1928-1 K-TURKEL & PETERSON TRUST 3010 GREGORY ST  
 0709-282-1929-9 PETERSON, FRANKLYNN & K-TURKEL/PETERSON TRUST 3006 GREGORY ST  
 0709-282-1930-6 POPE, GERALD W D POPE & T POPE 3002 GREGORY ST  
 0709-281-0501-8 DUNCAN, BRADLEY D & TRACY A TOPALIAN 2926 GREGORY ST  
 0709-281-0502-6 SMITH, MARK M & RANDI J SMITH 2922 GREGORY ST  
 0709-281-0503-4 ROJAS-EDGE, BRIAN ASHLEY ROJAS.EDGE 2920 GREGORY ST  
 0709-281-0504-2 REETZ, MATTHEW J LEANN WHITE 2916 GREGORY ST

0709-281-1003-3 BASSIOUNI, MARWA MICHAEL THALASINOS 601 CHAPMAN ST  
 0709-281-1002-5 LAKES, ANDREW L LEA M LAKES 3009 GREGORY ST  
 0709-281-1001-7 BERTO, TRISTAN J 3001 GREGORY ST  
 0709-281-0903-6 FREHNER, JEFFREY S & MICHELLE L FREHNER 2917 GREGORY ST

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 UTILITIES PLAN & PROFILE - GREGORY ST  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
 CONTRACT NO: 8501  
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REVISION 3 (ADD S-3A & P-3A)	6/17/20	DAO
ULOS, STM CHANGES, 610 SAN LAT	5/13/20	DAO
REVISION	DATE	BY
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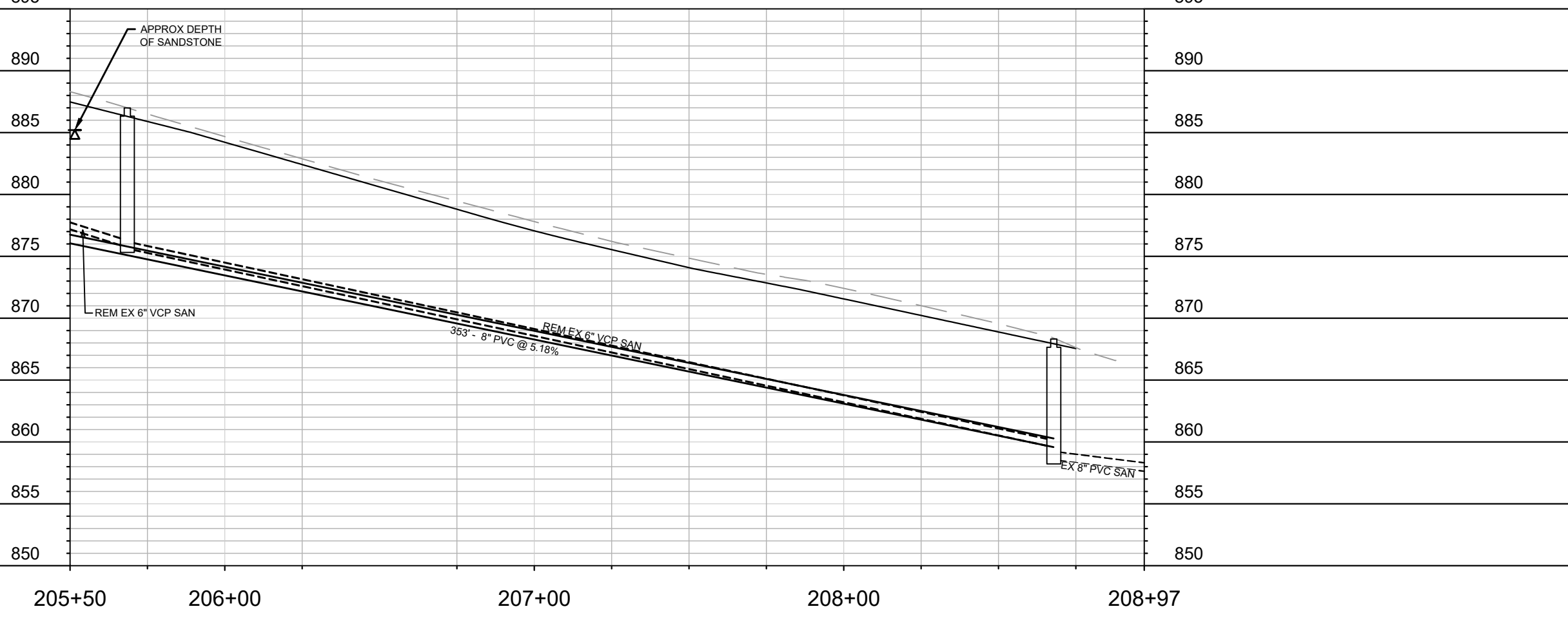
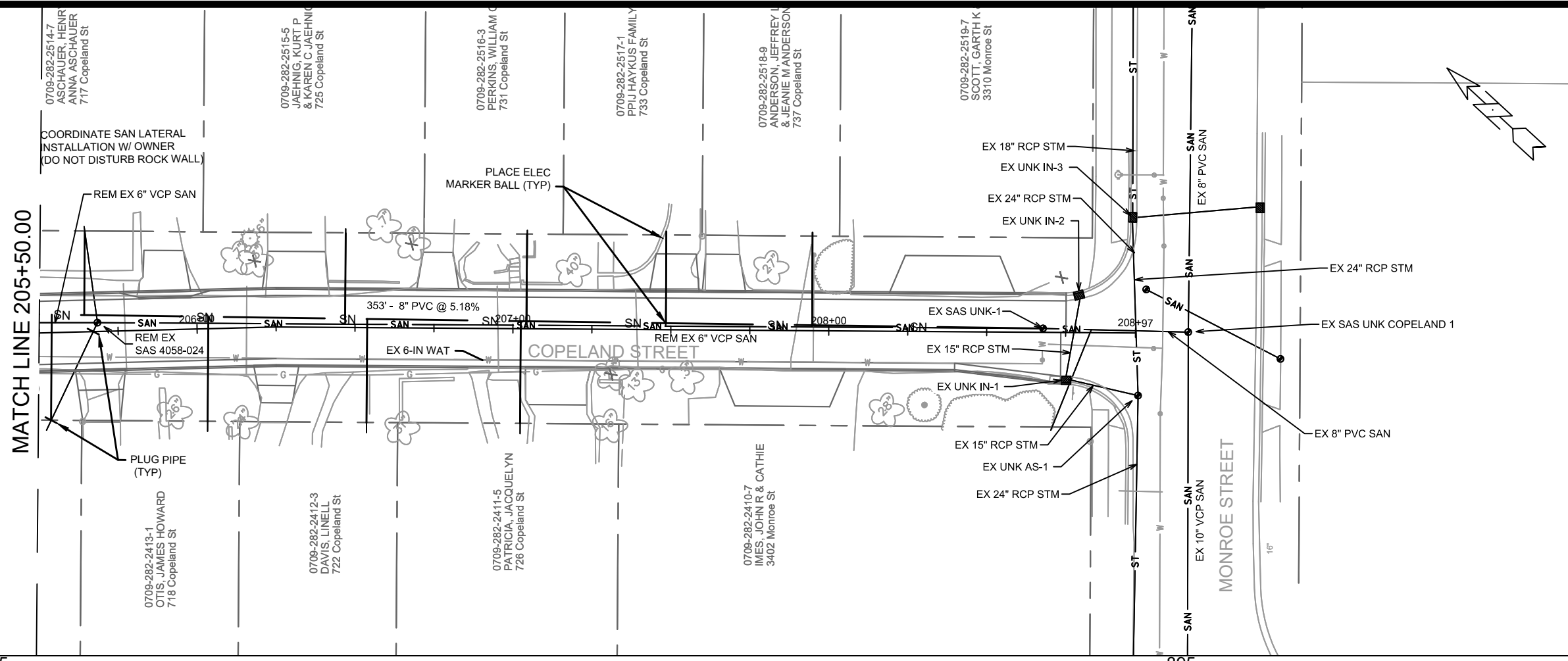
  


11188	UTILITIES PLAN & PROFILE - COPELAND ST
8501	GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.
	MADISON, WI

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U-4



	<b>11188</b> U-5	<b>11188</b> <b>MADISON, WI</b> <b>CONTRACT NO: 8501</b>
<b>UTILITIES PLAN &amp; PROFILE - COPELAND ST</b> <b>GREGORY ST, CROSS ST, COPELAND ST, &amp; WESTERN AVE RECON.</b>		
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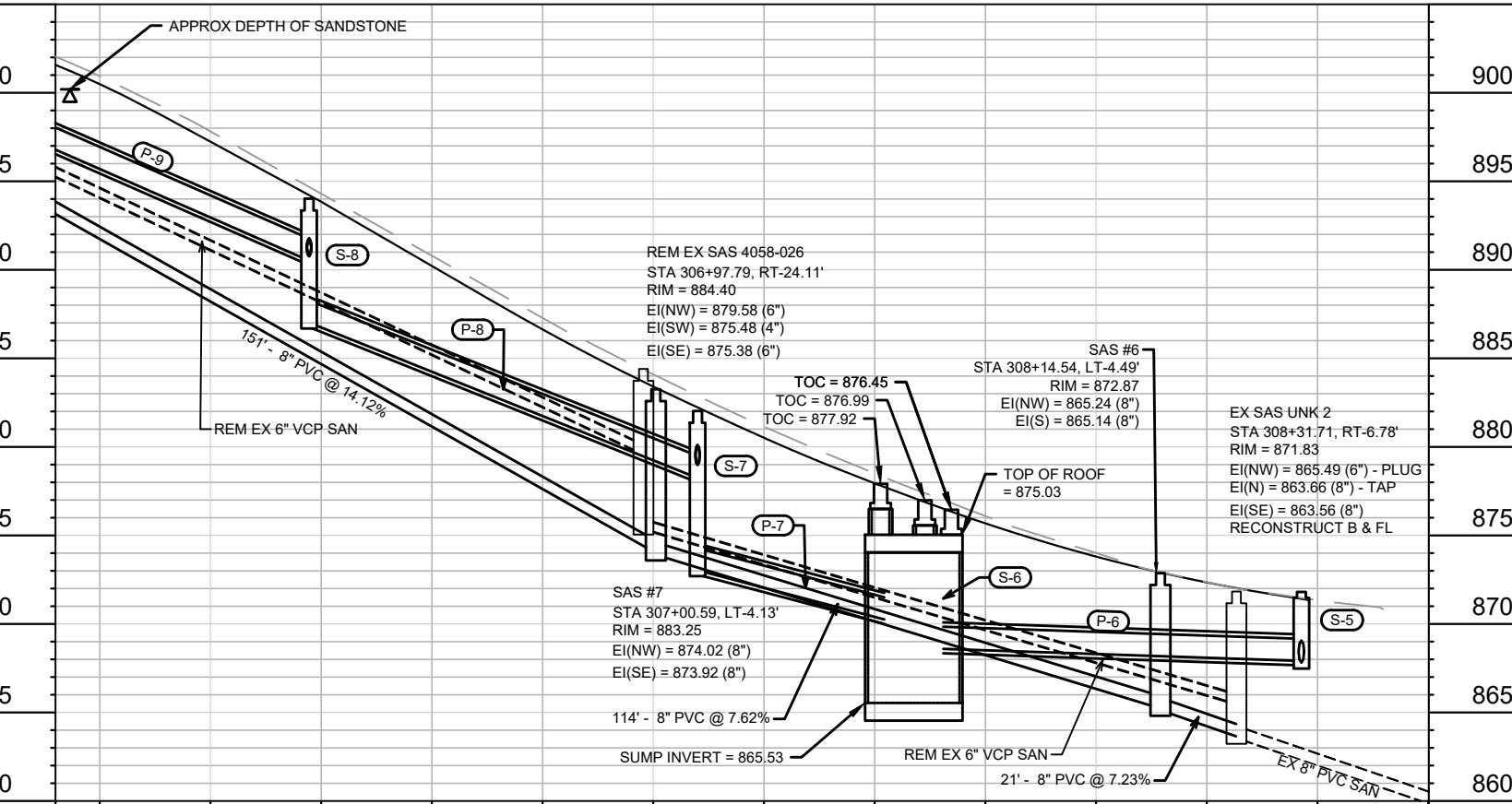
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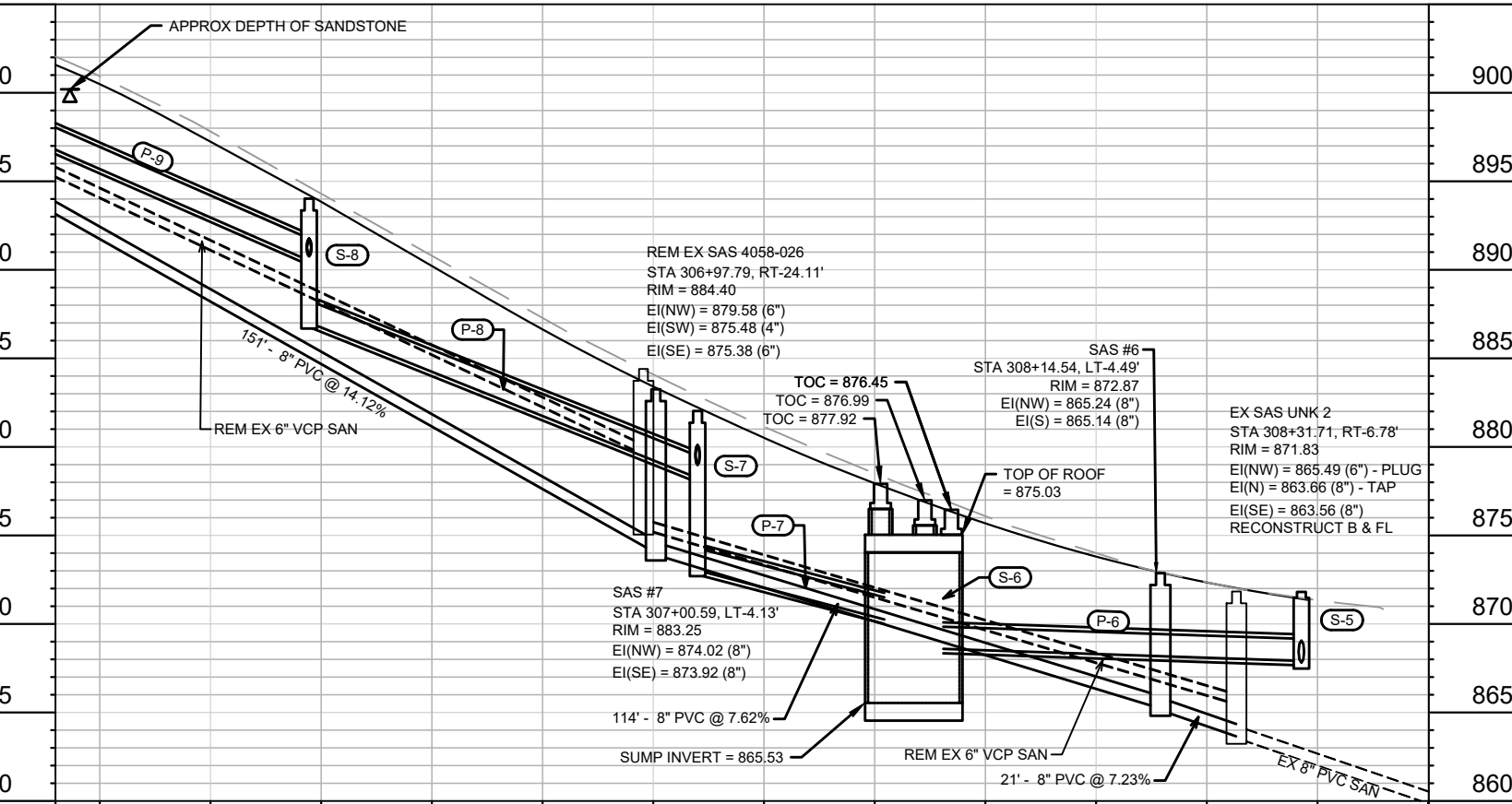
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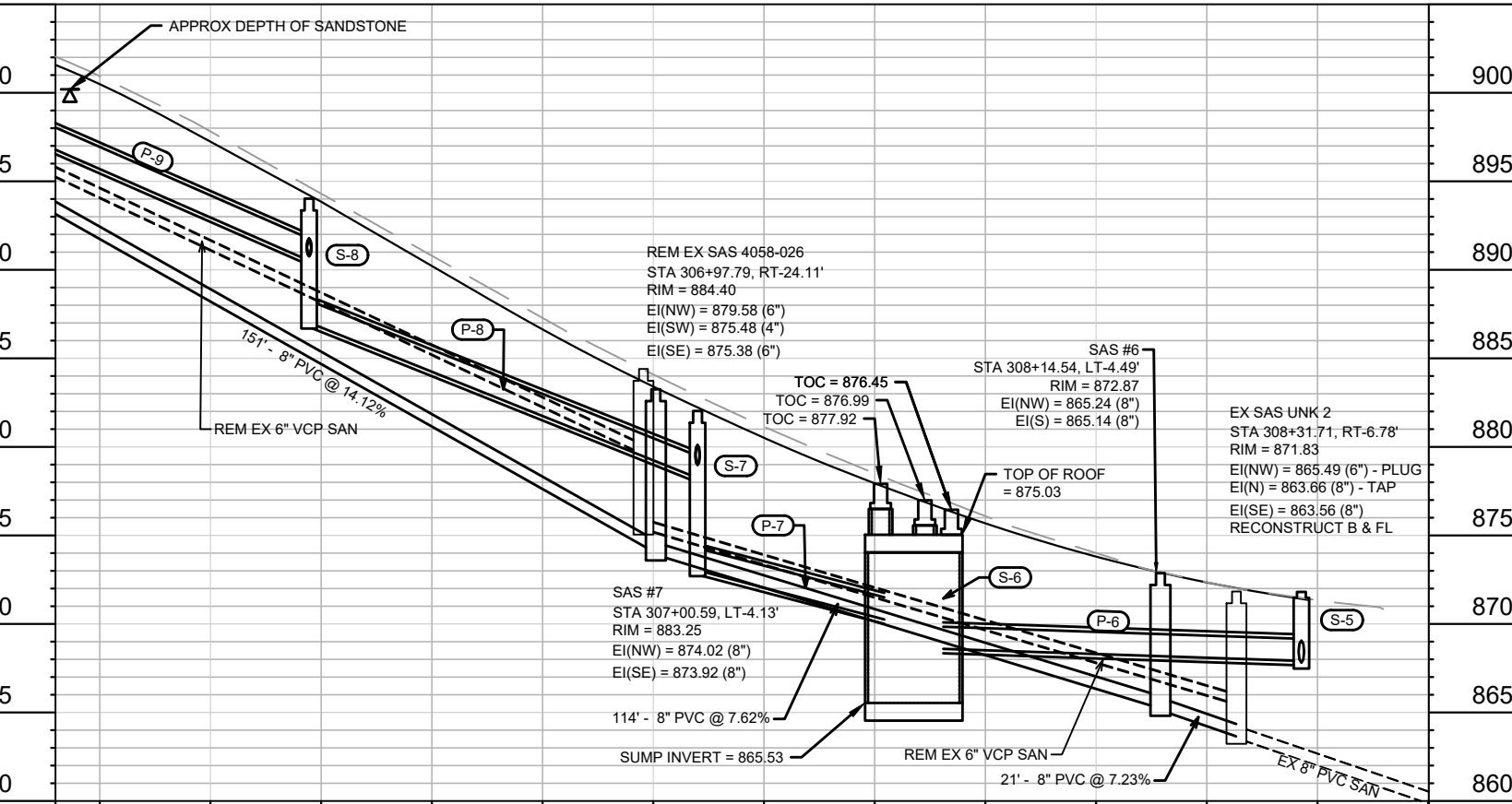
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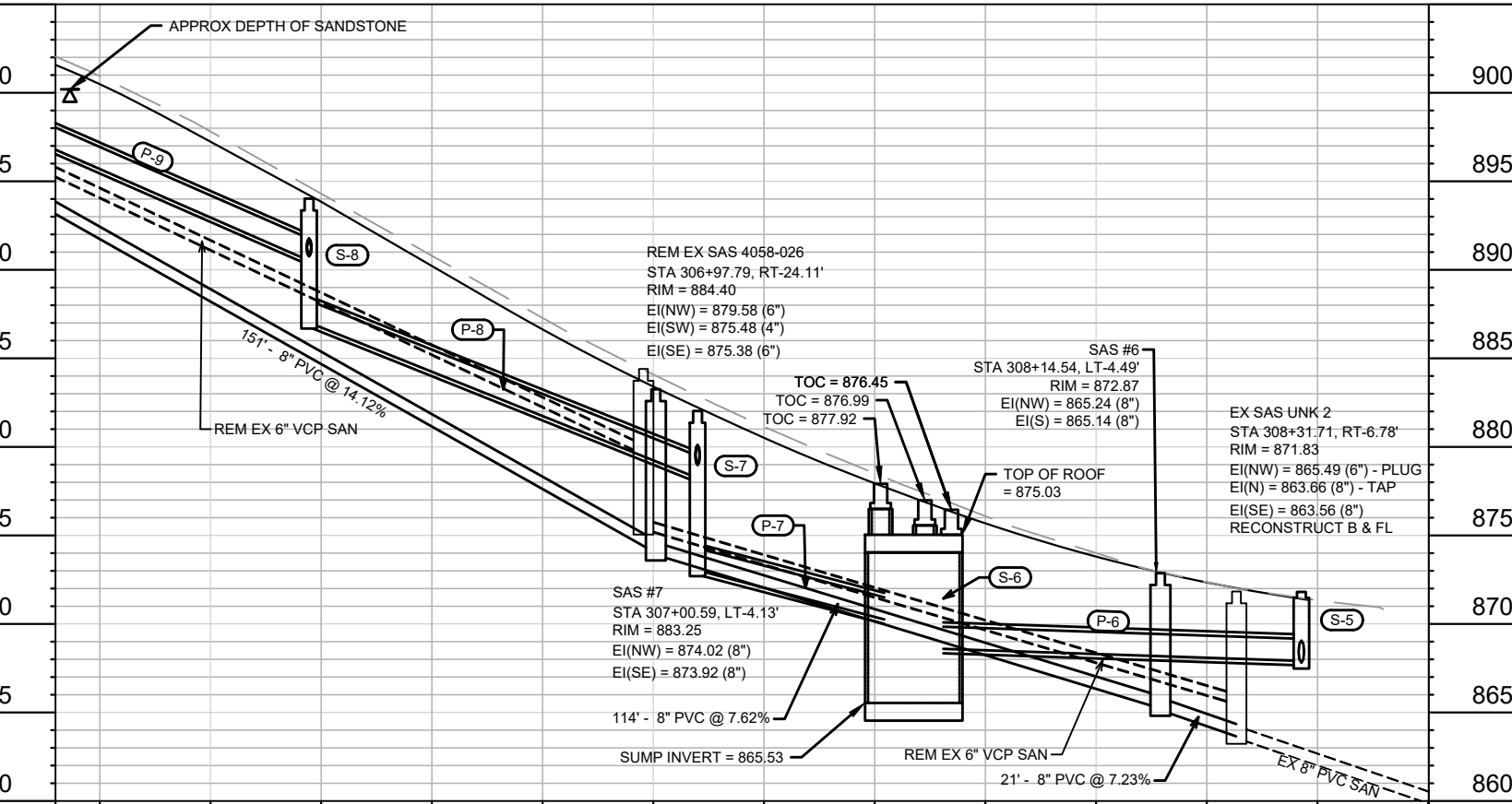
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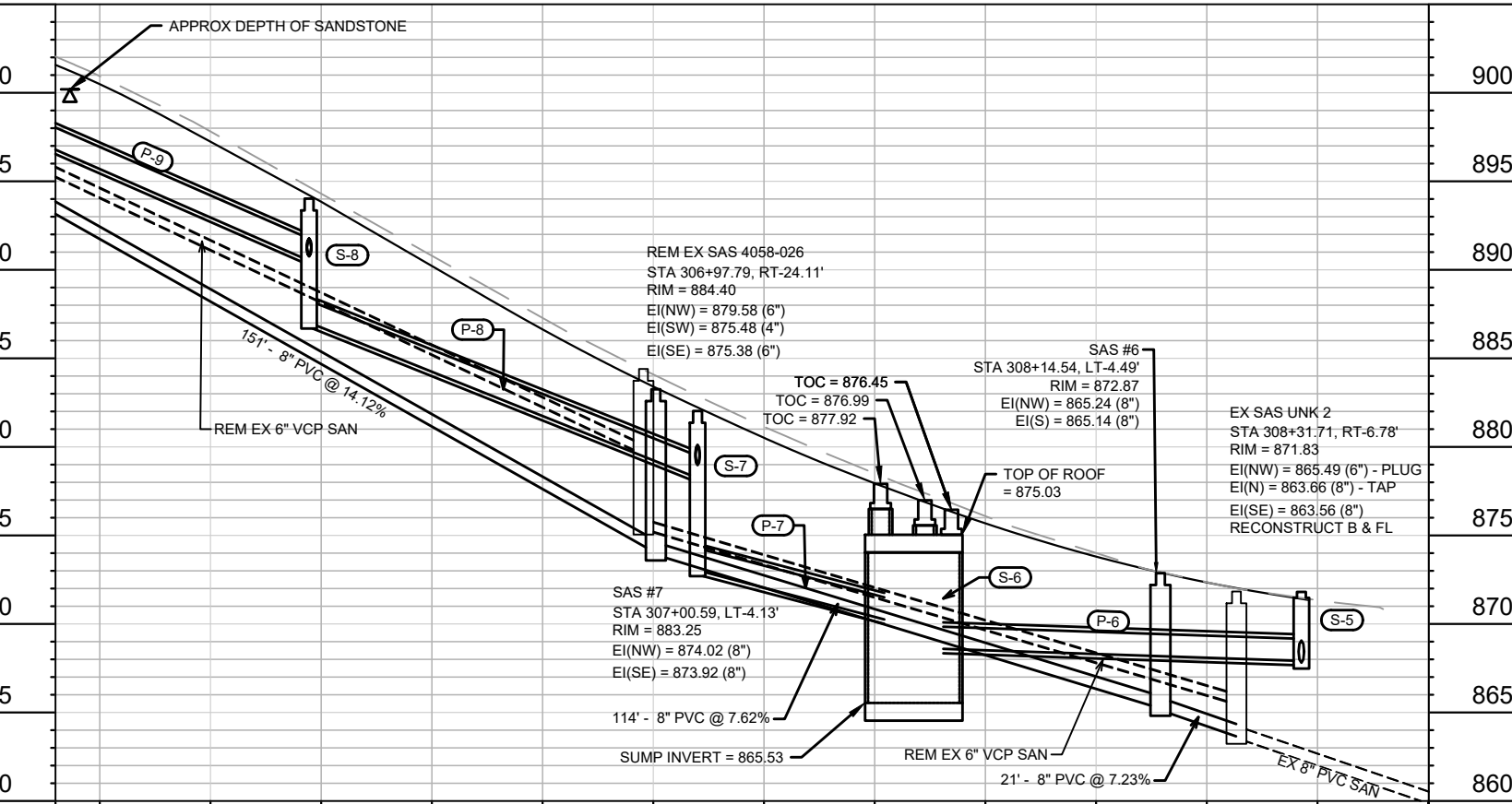
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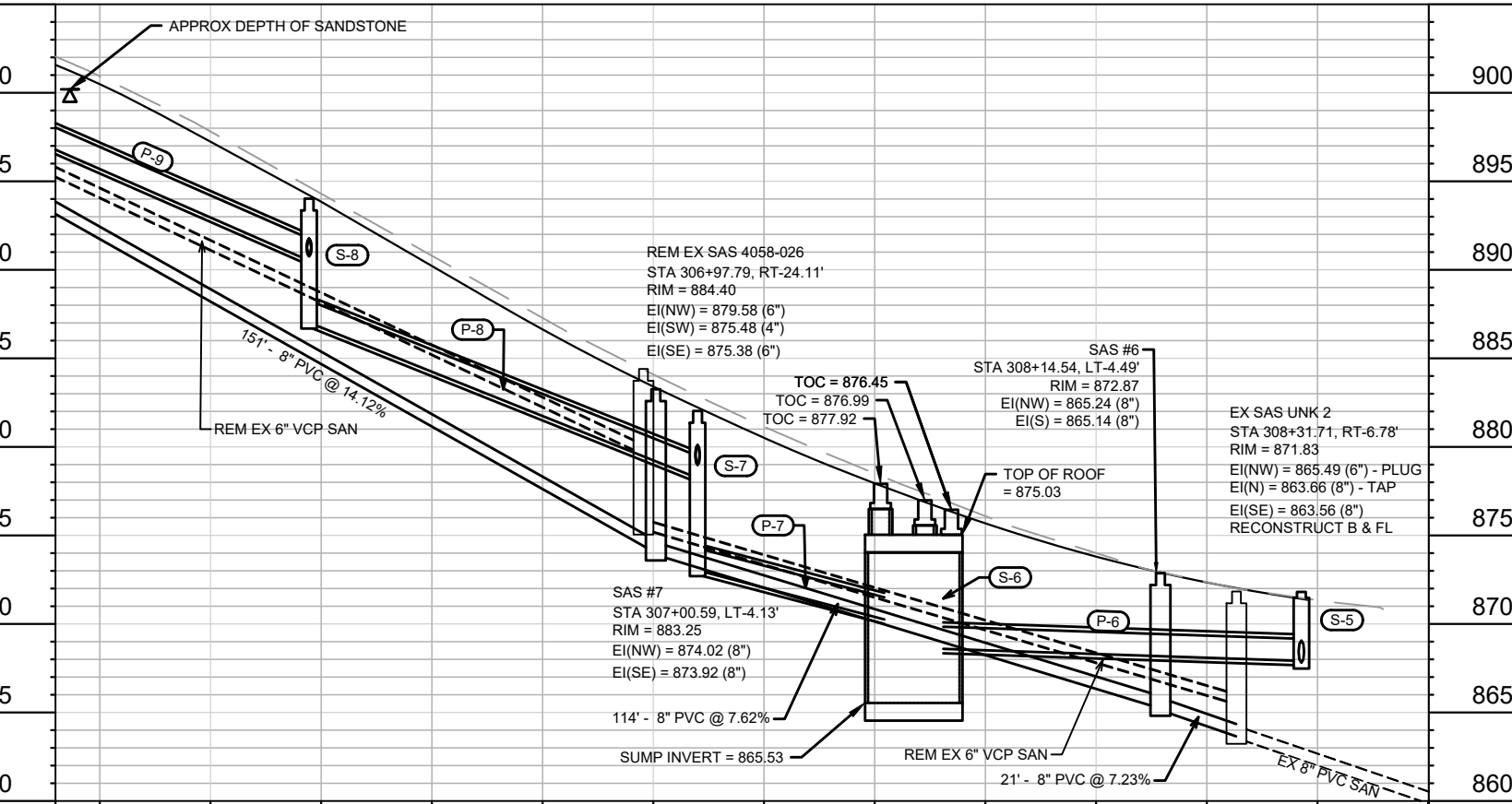
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308+75

905

905



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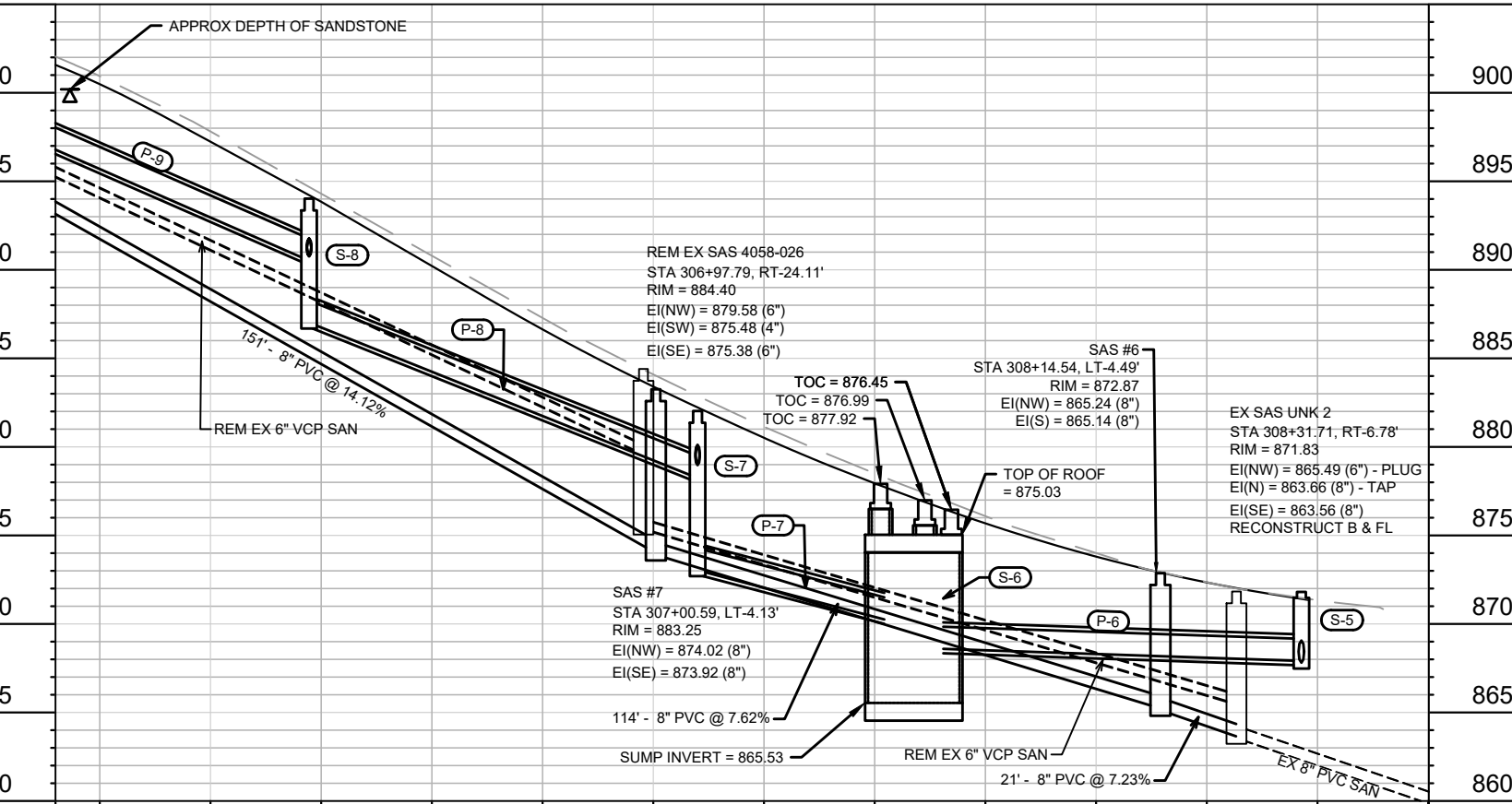
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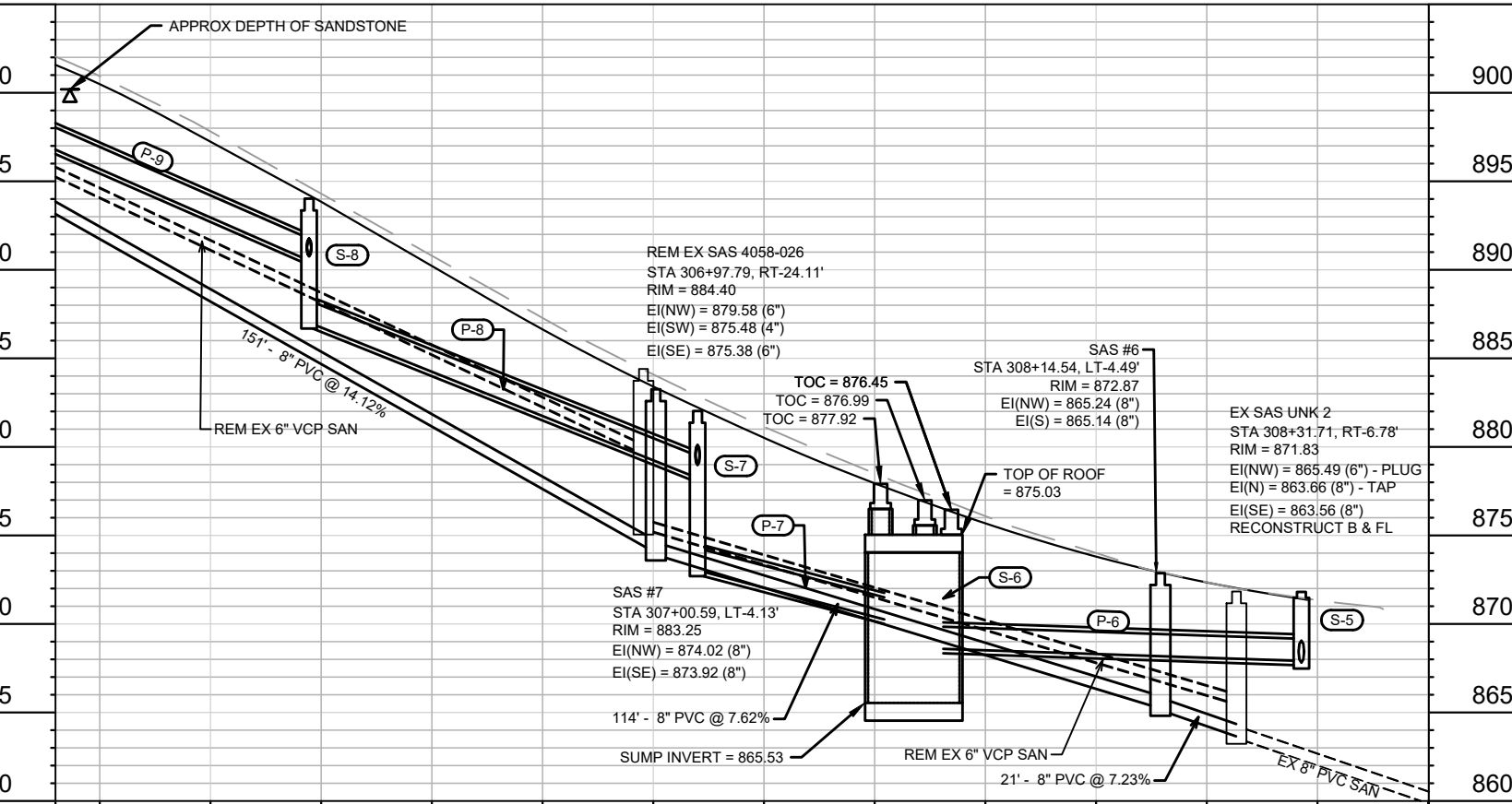
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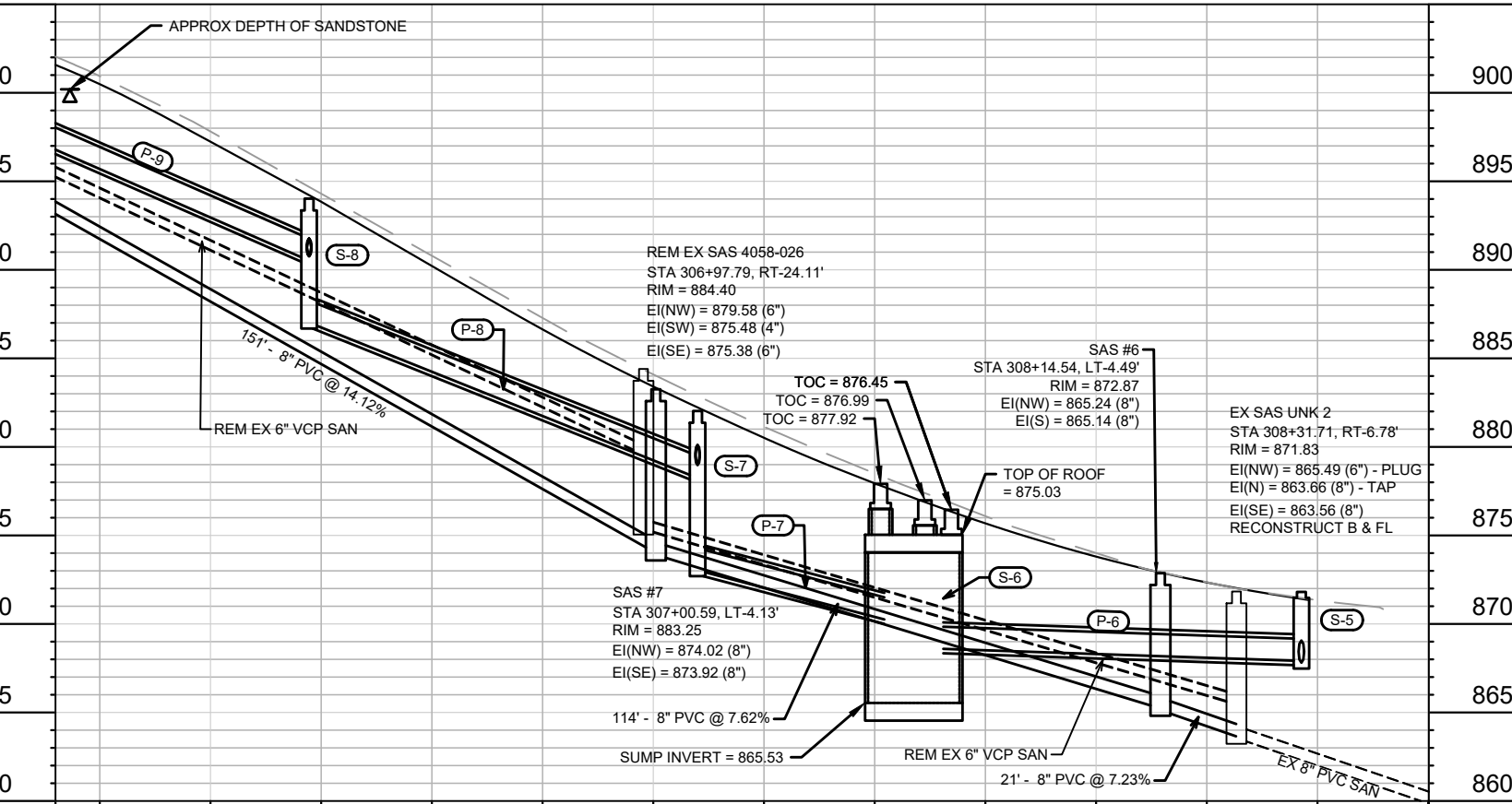
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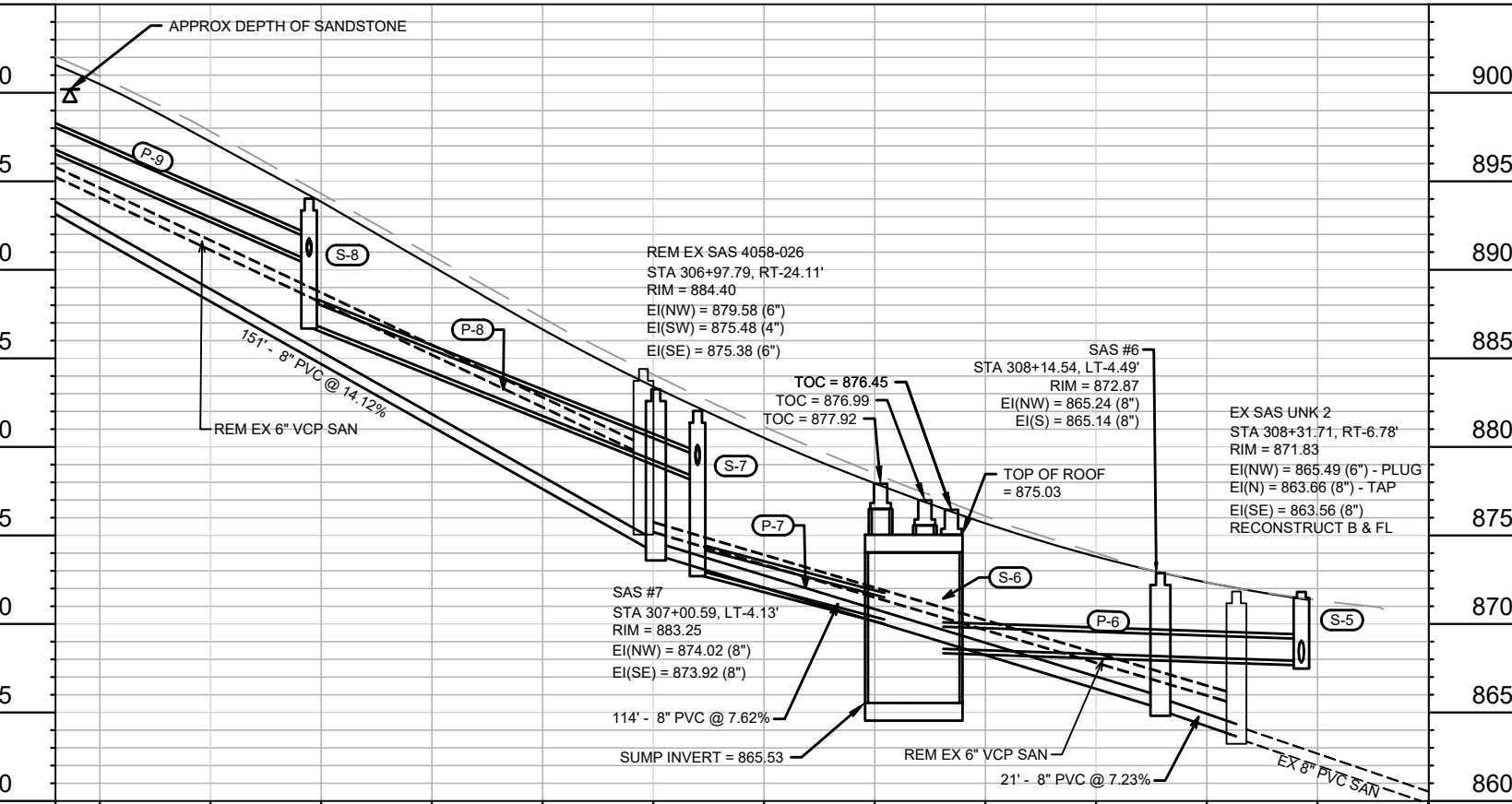
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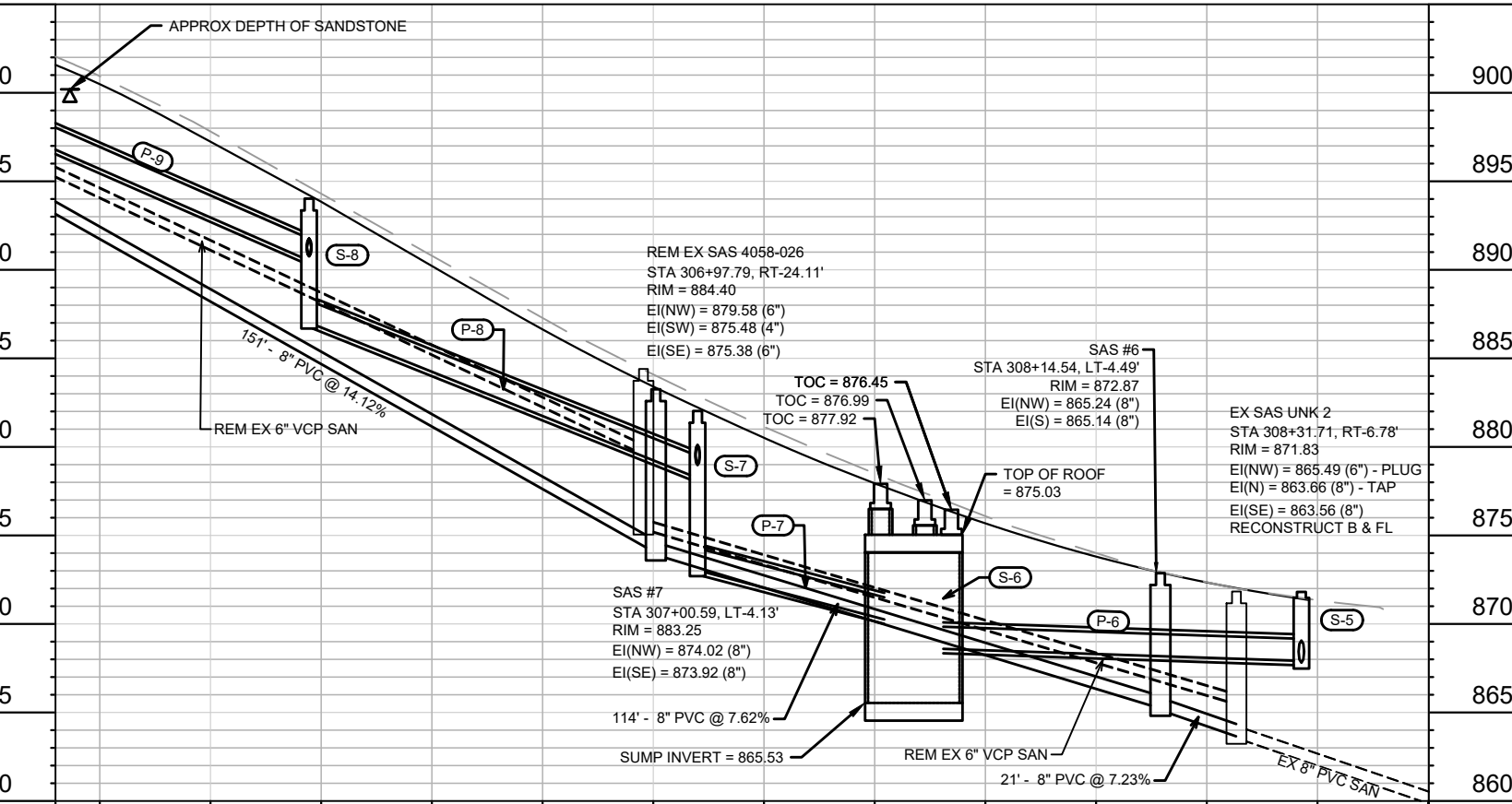
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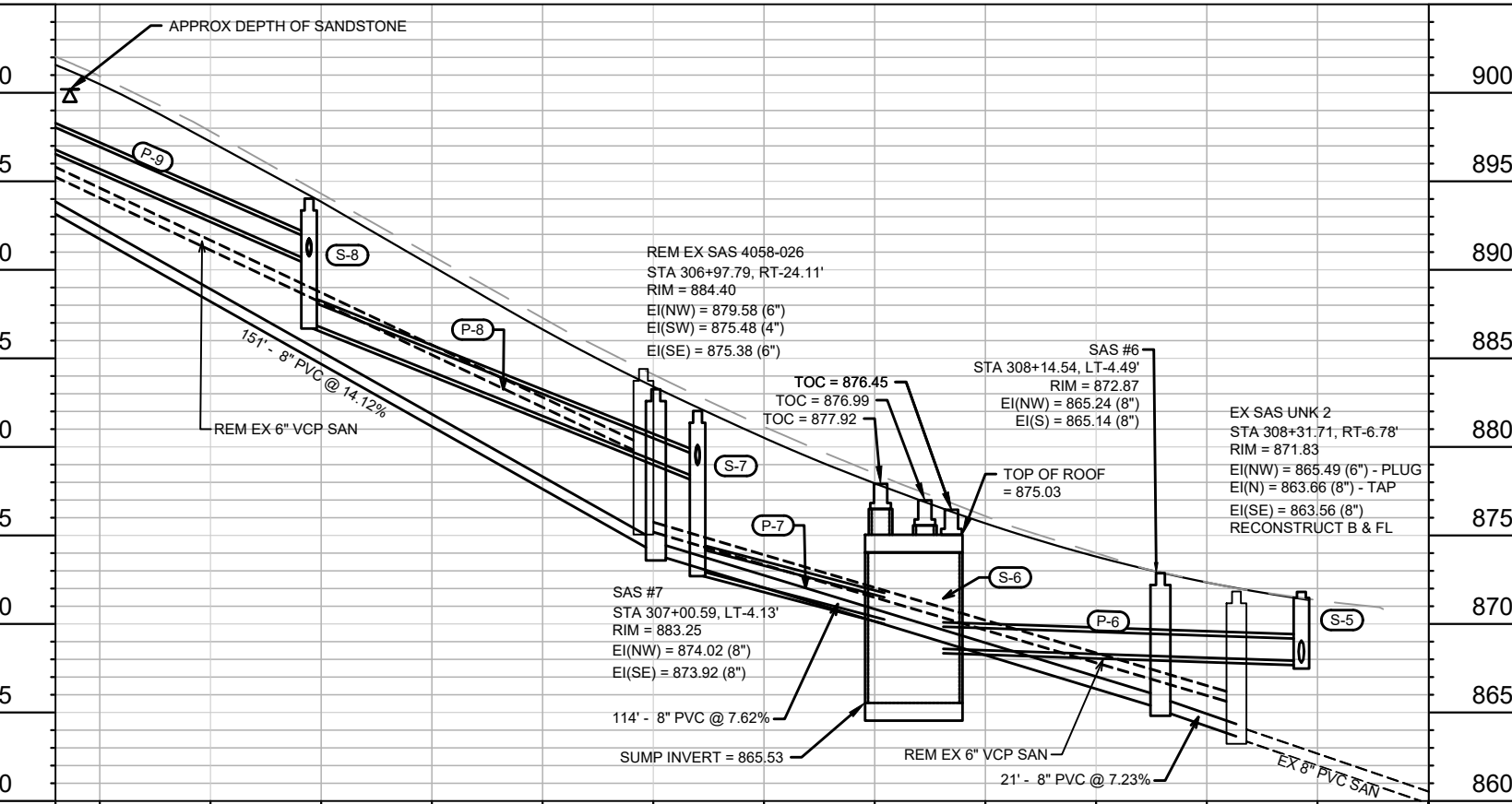
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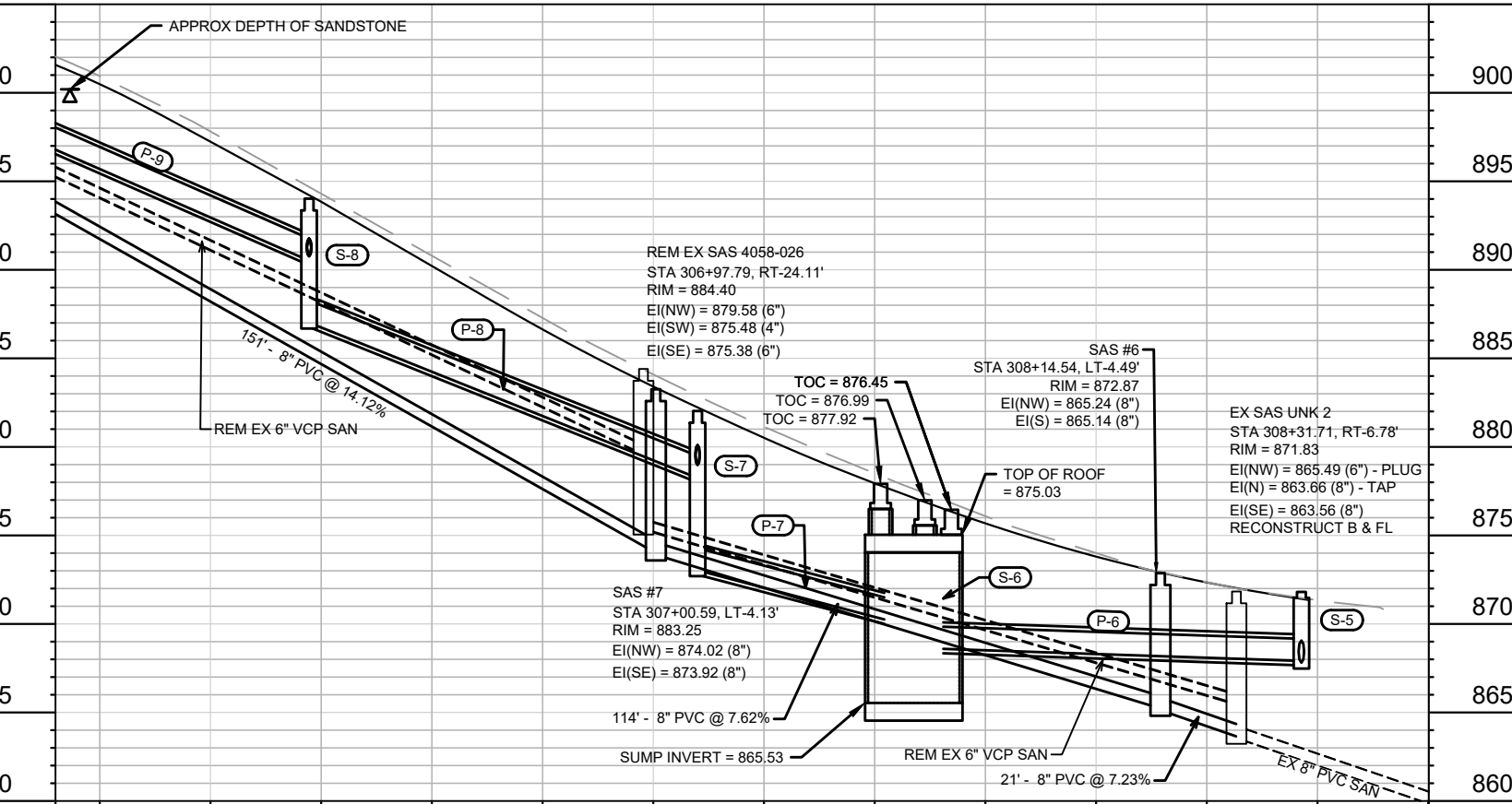
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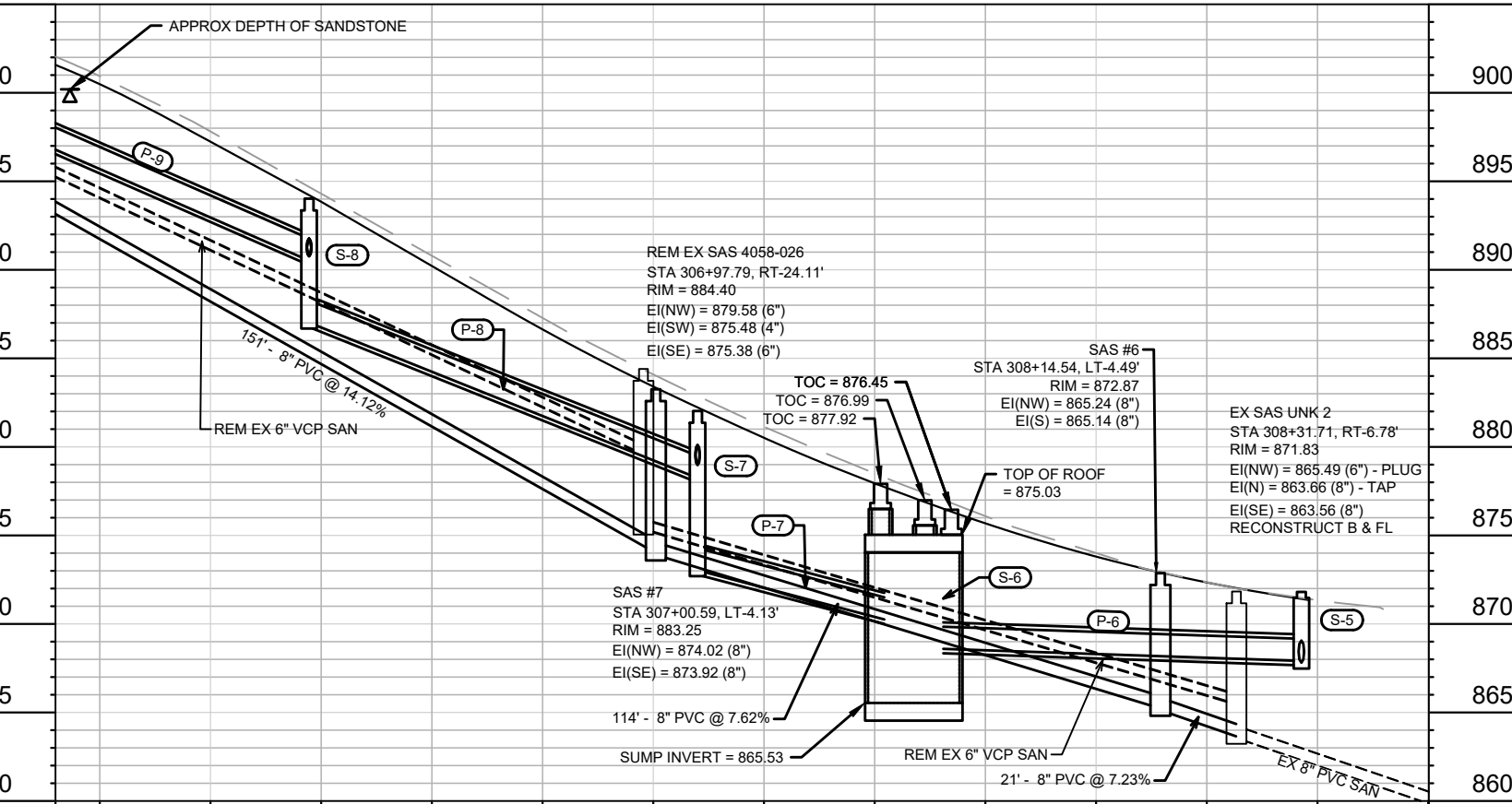
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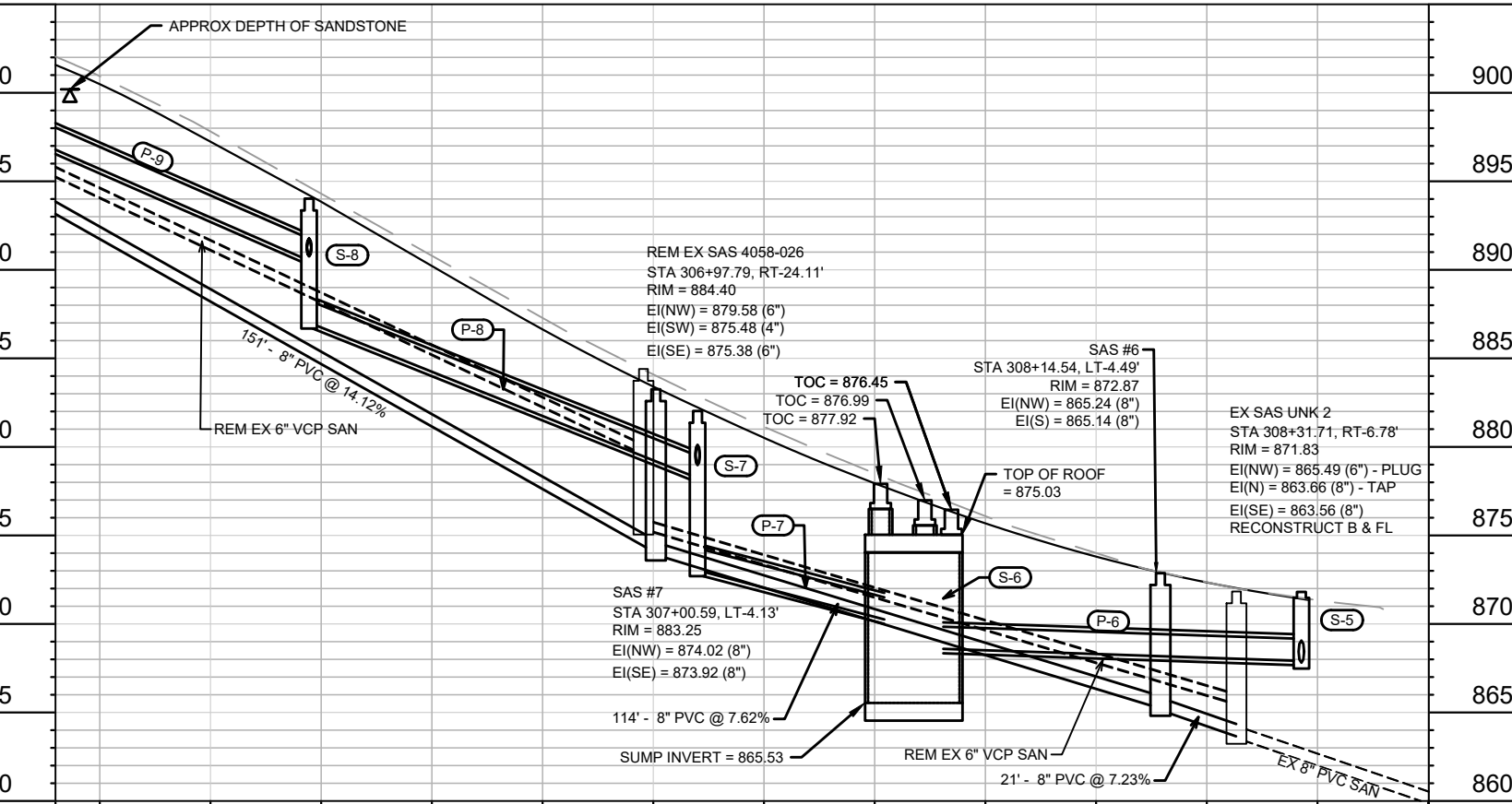
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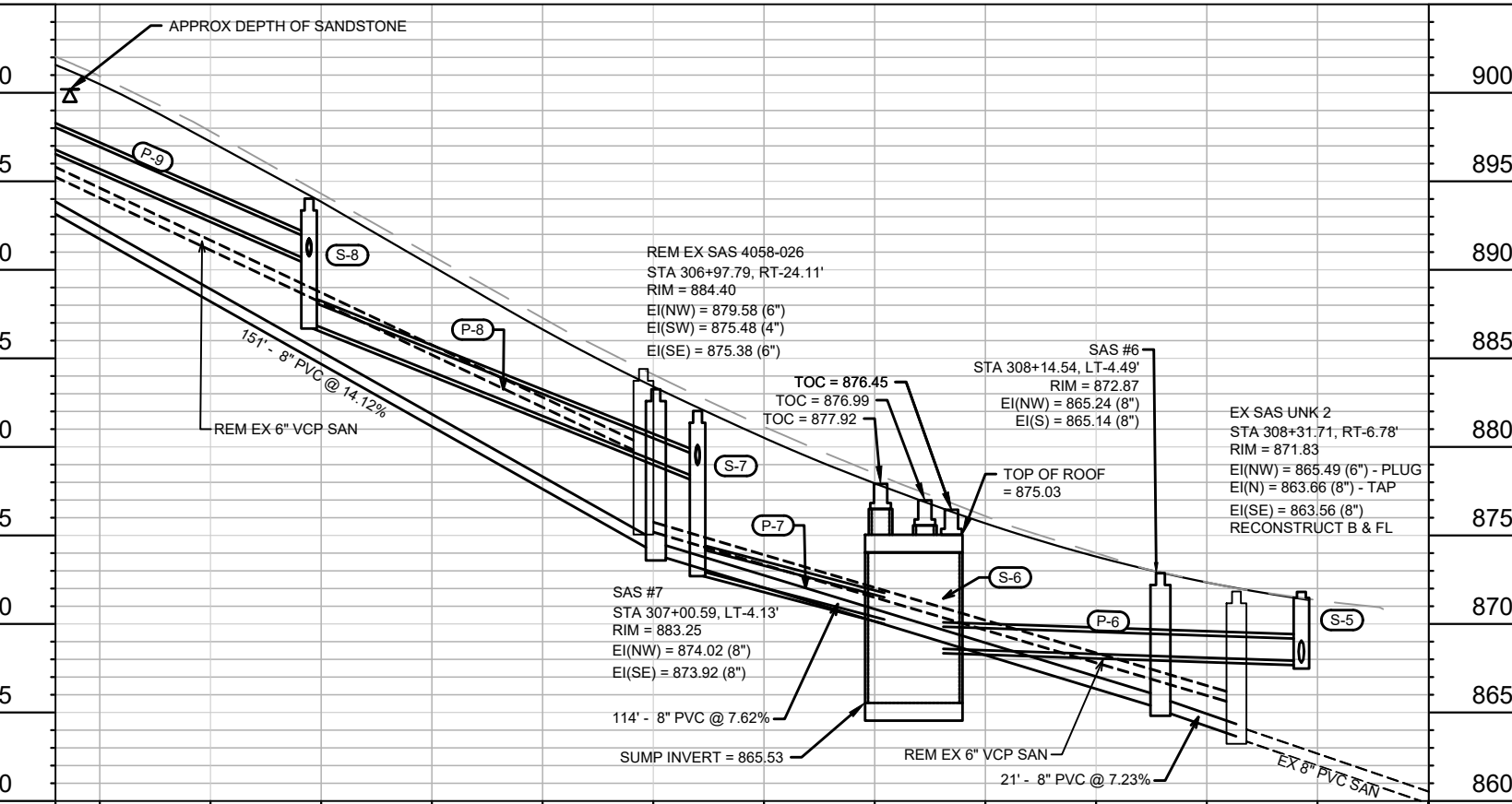
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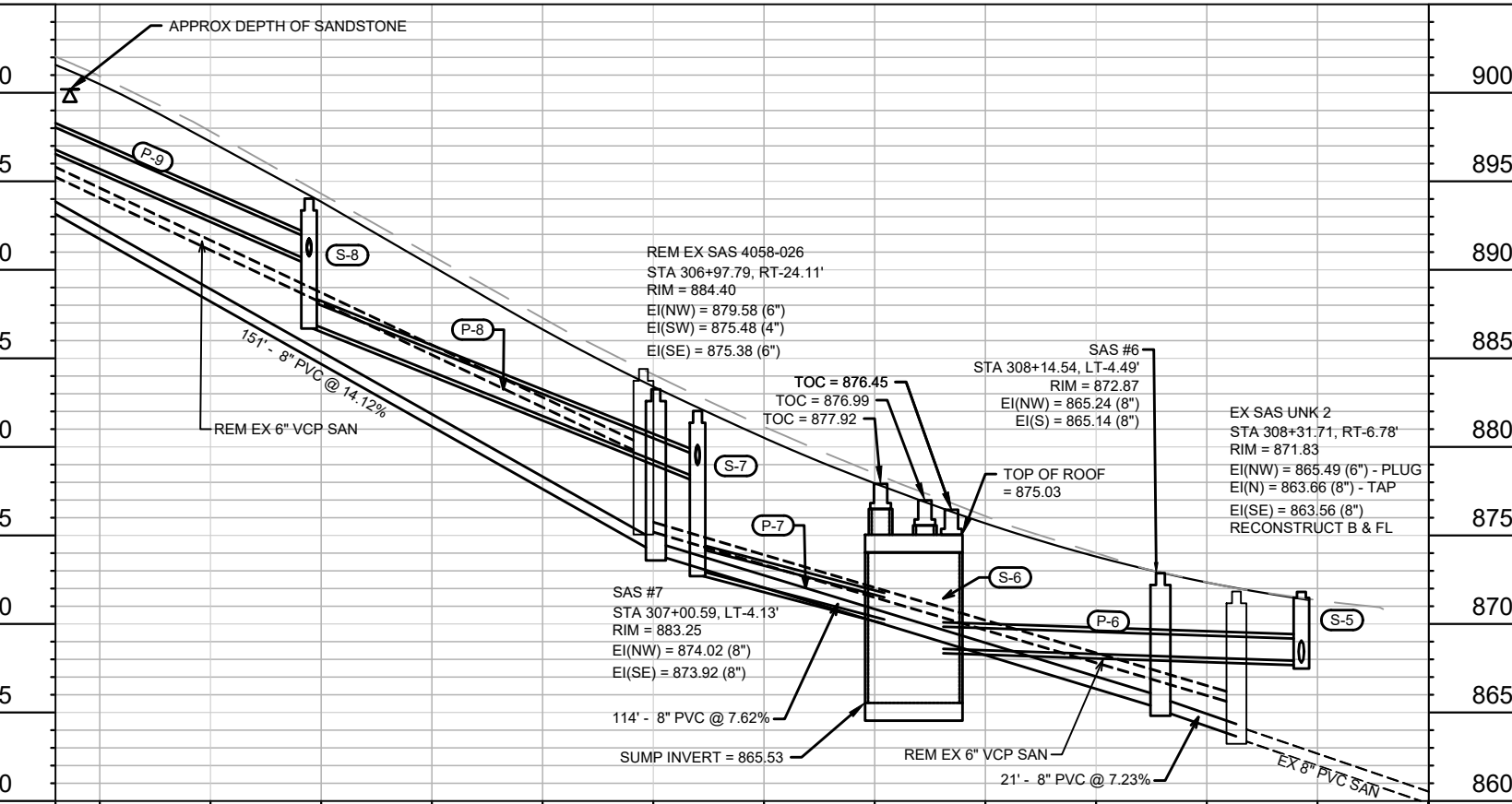
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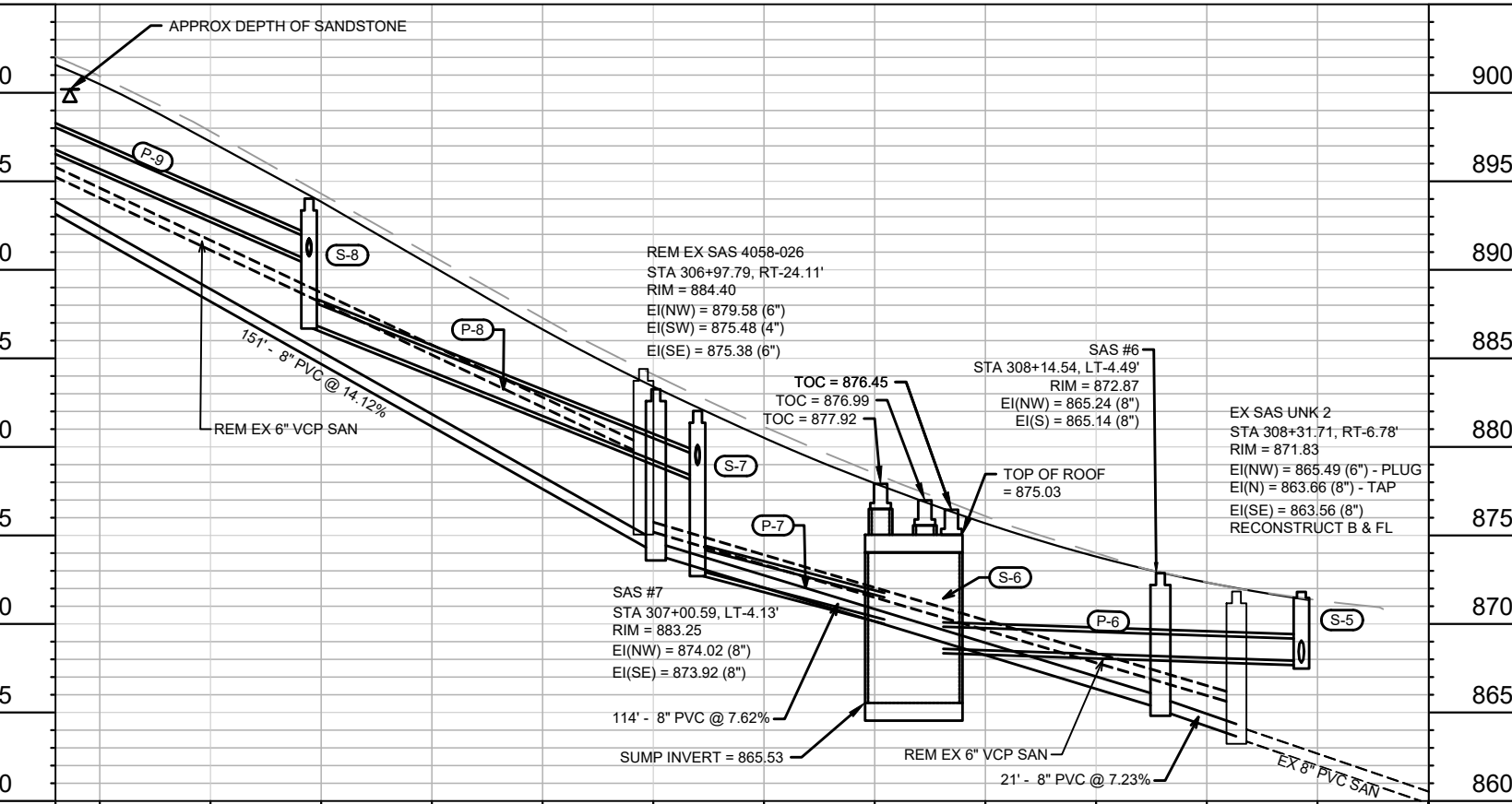
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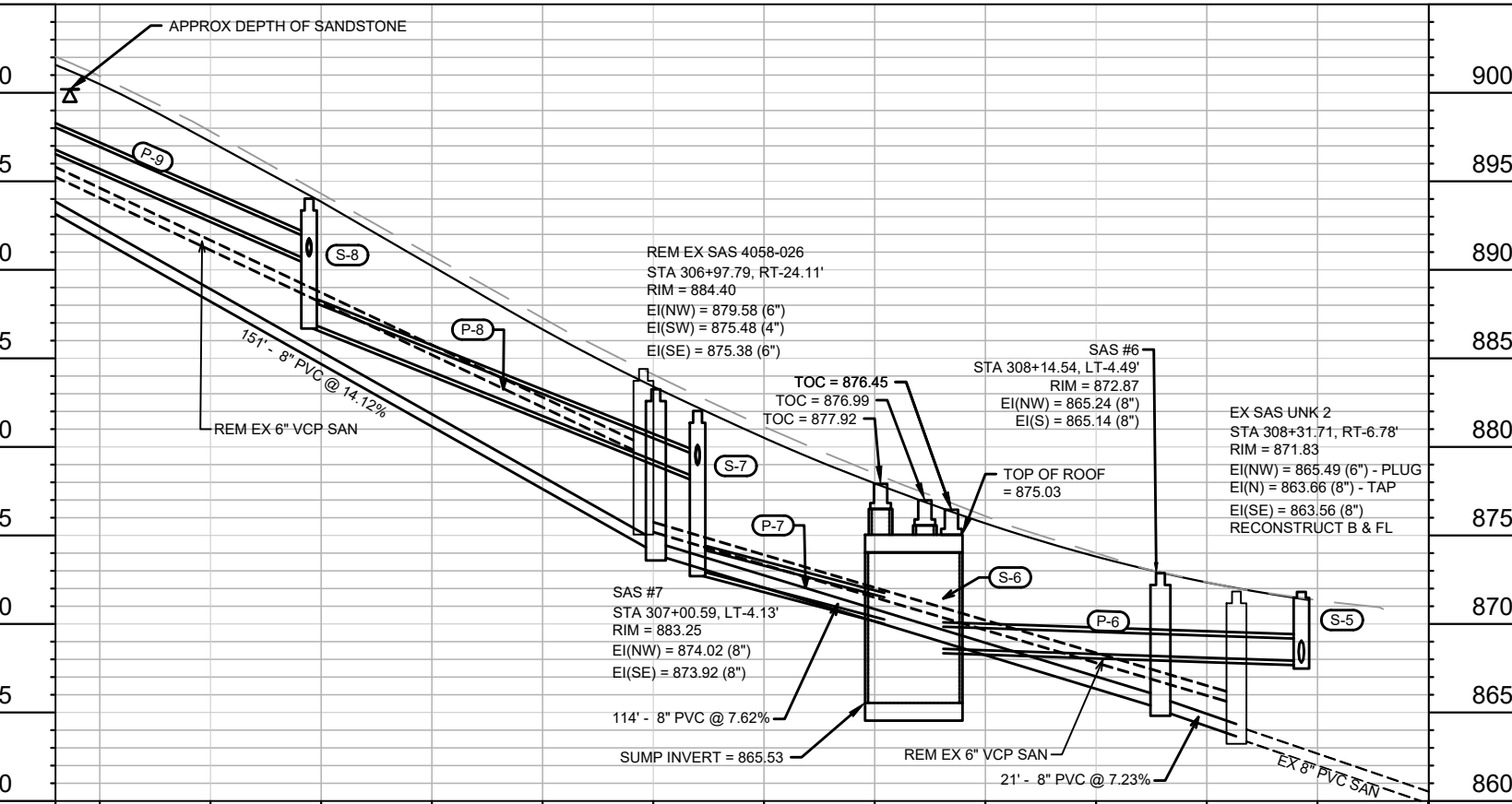
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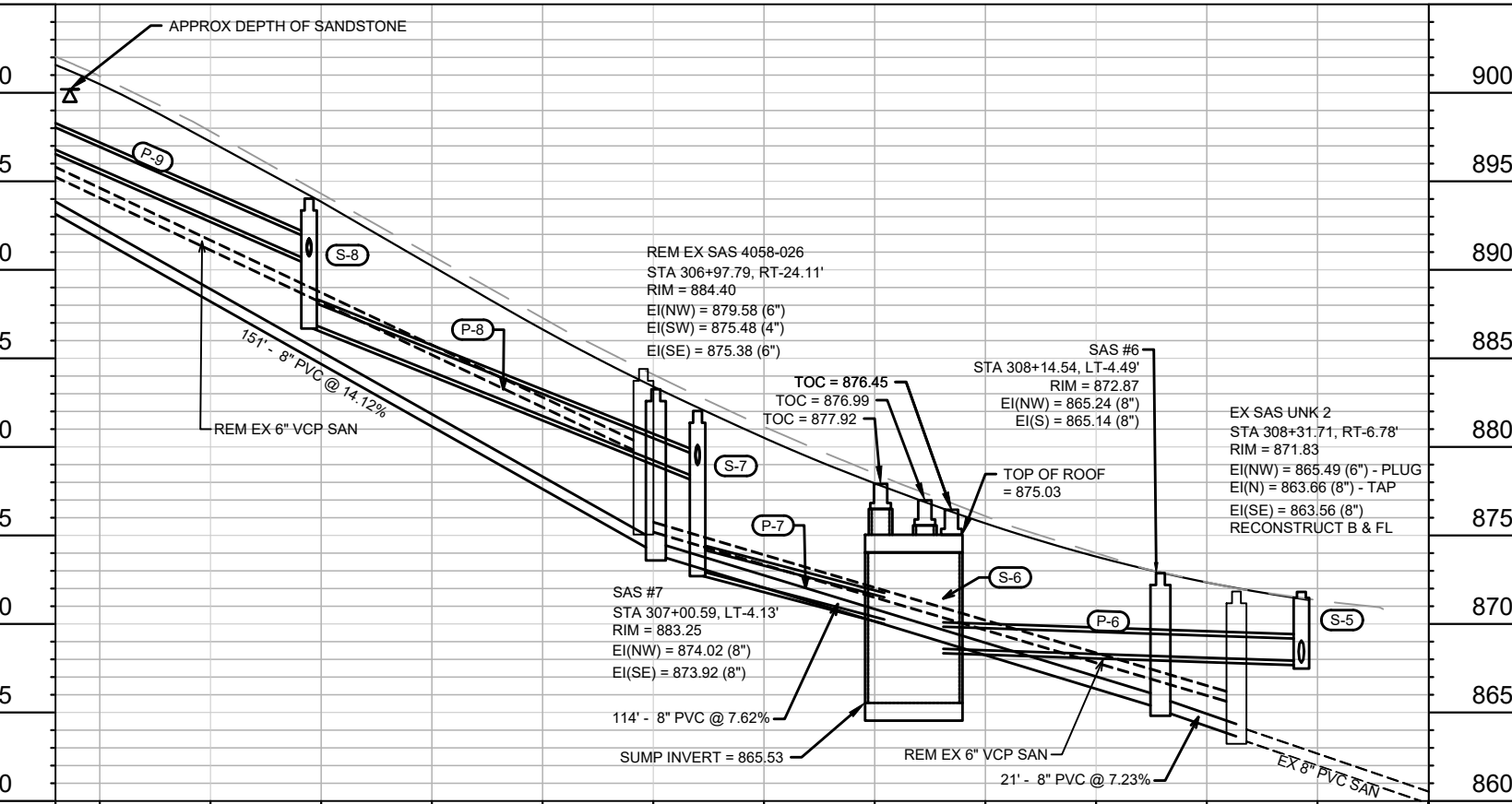
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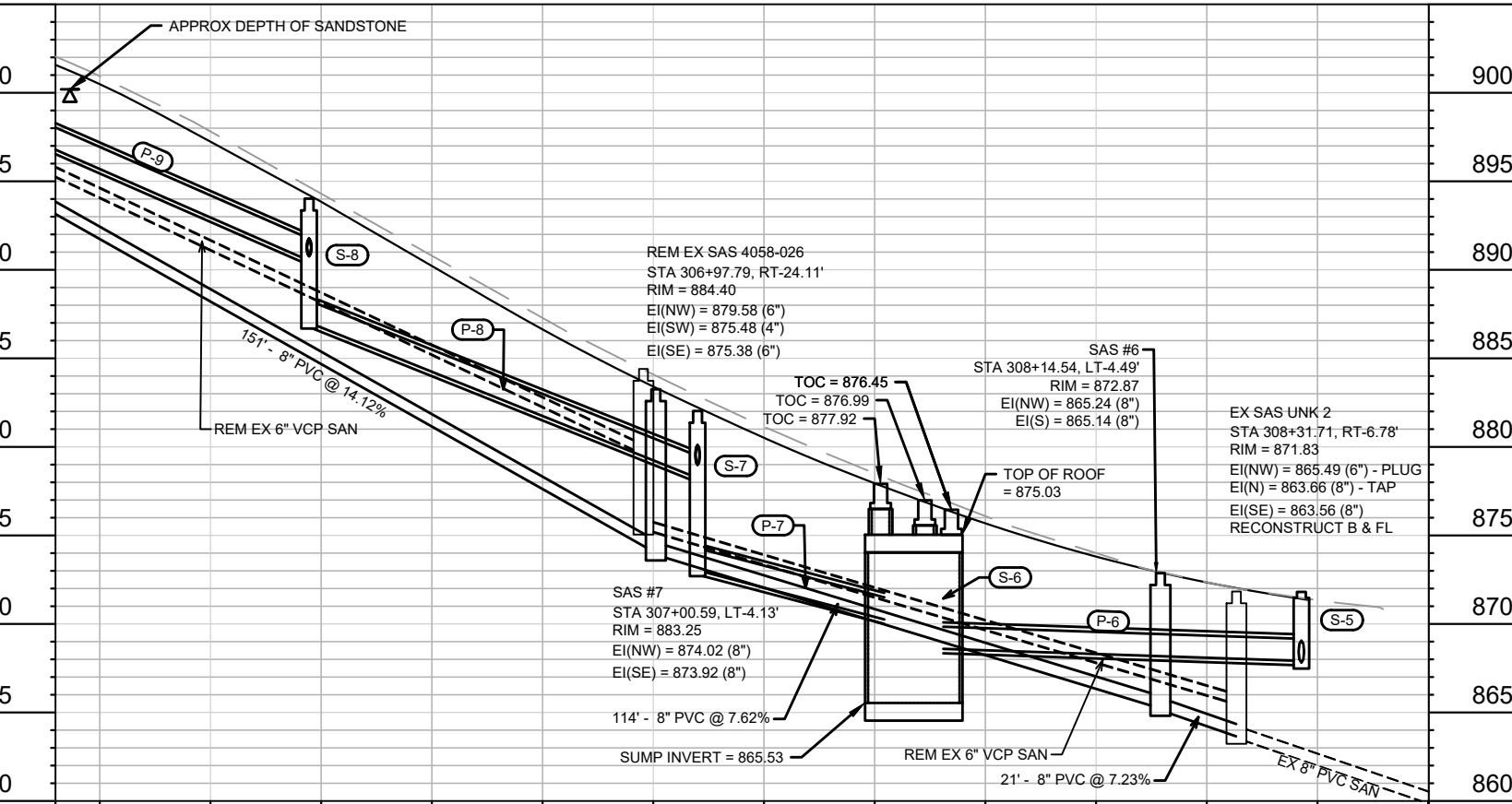
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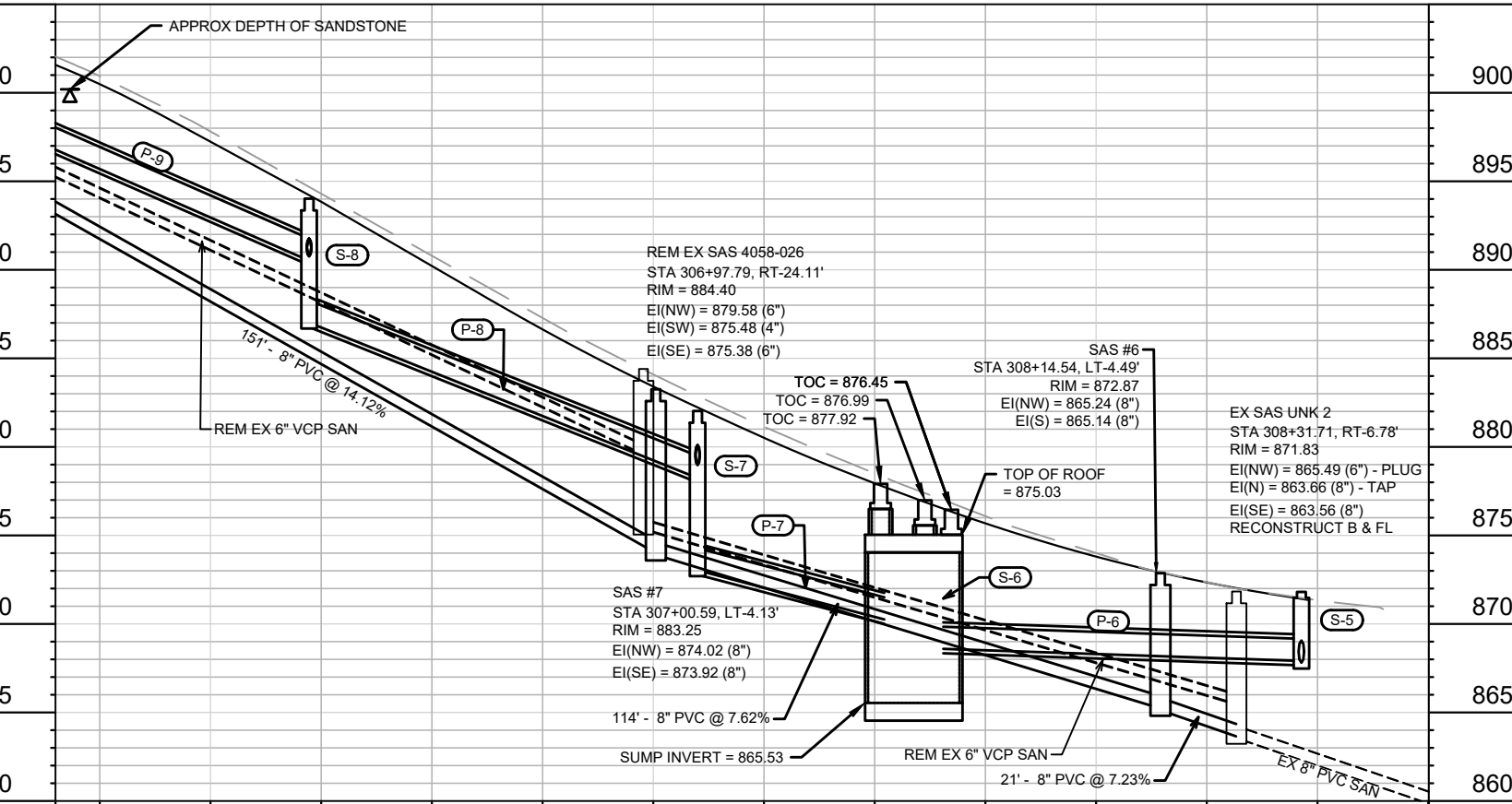
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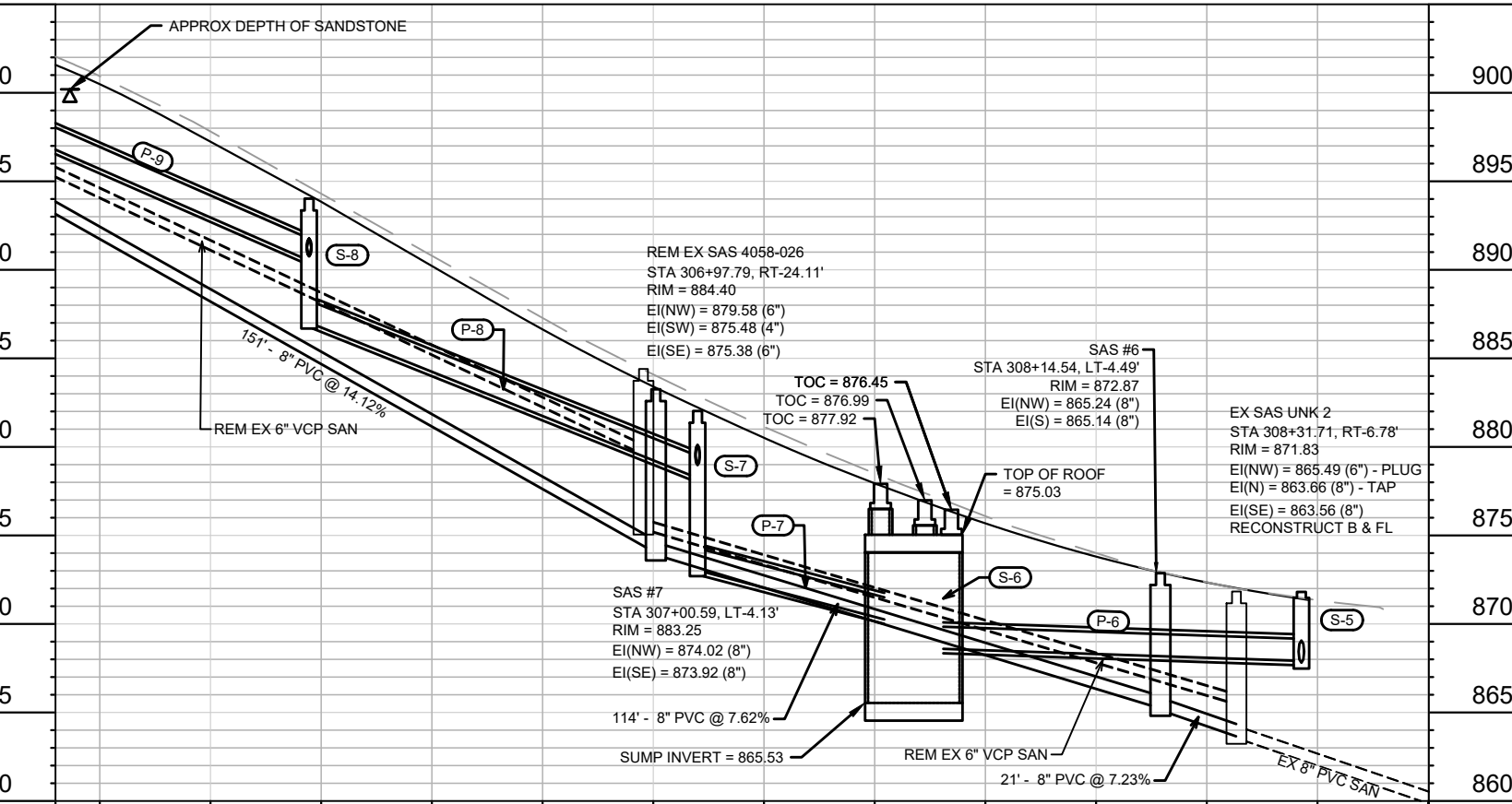
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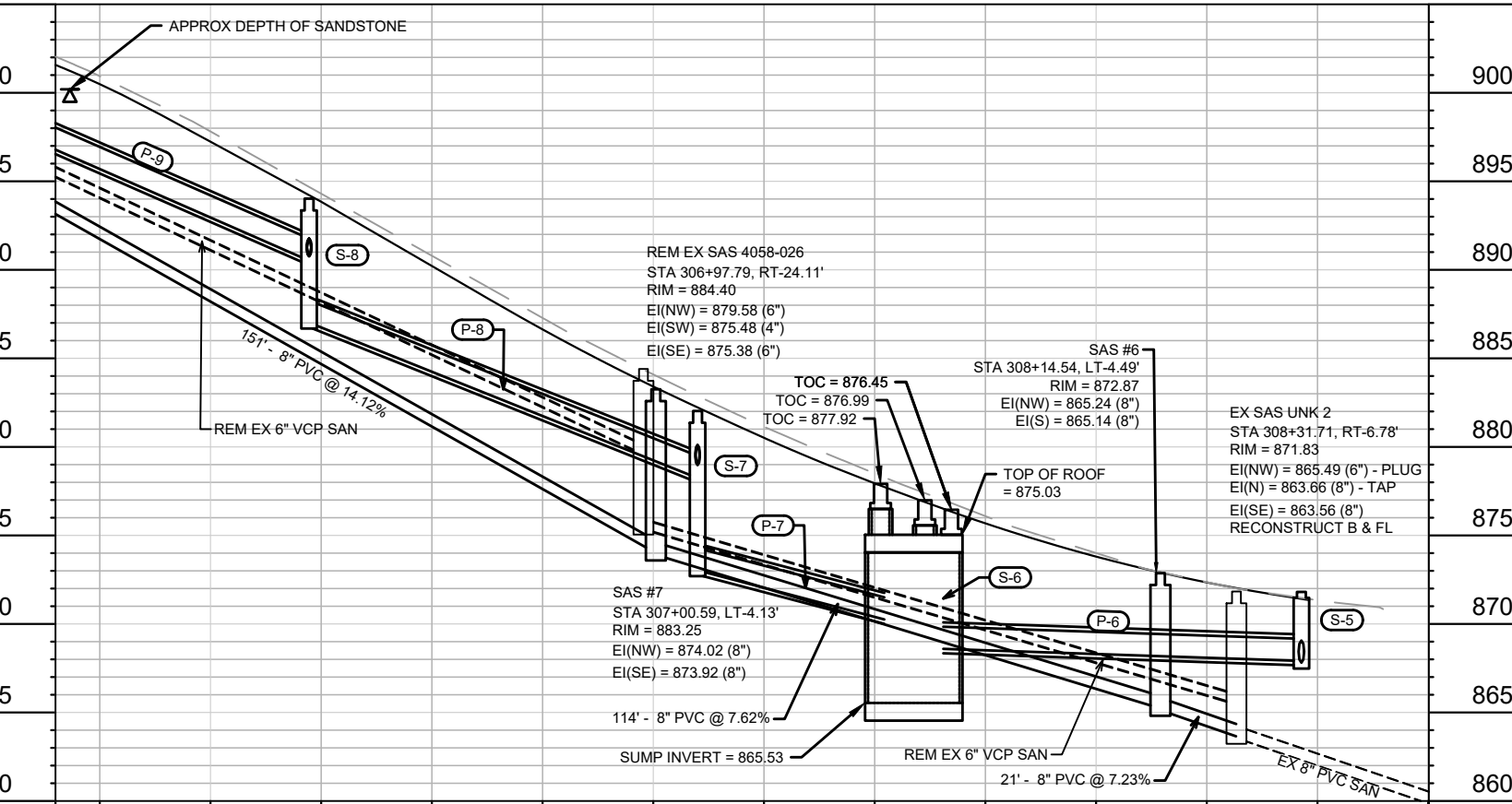
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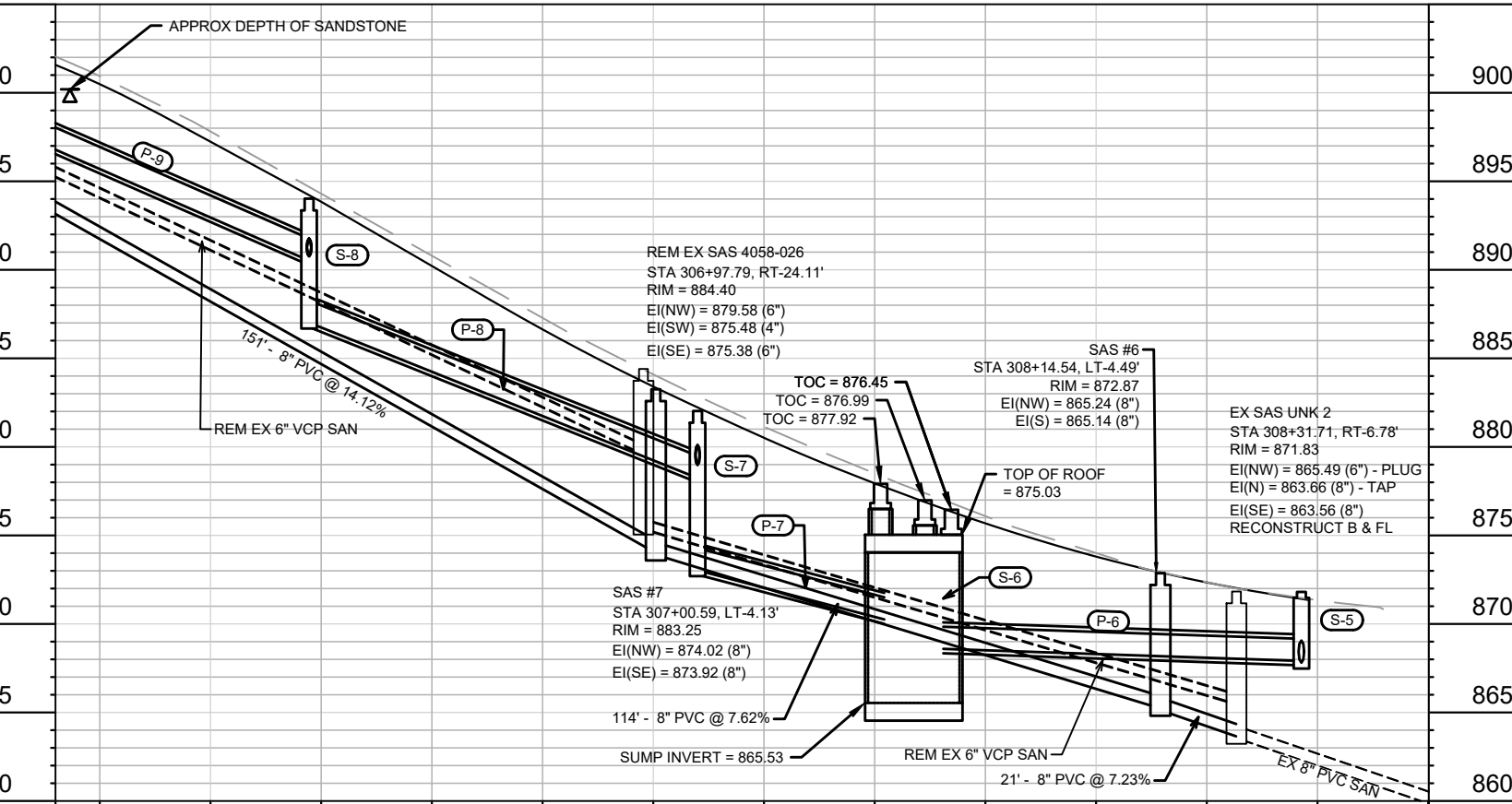
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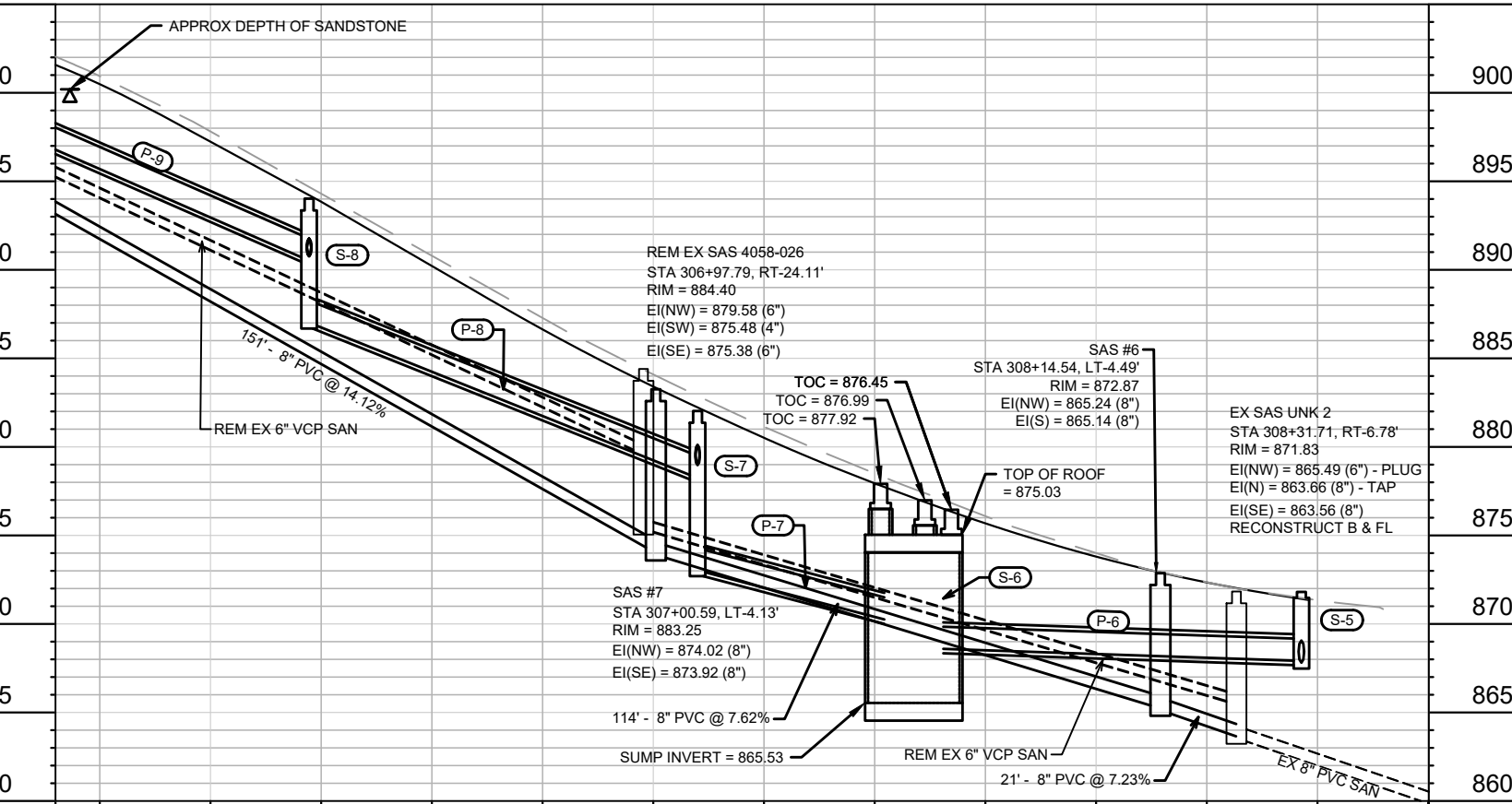
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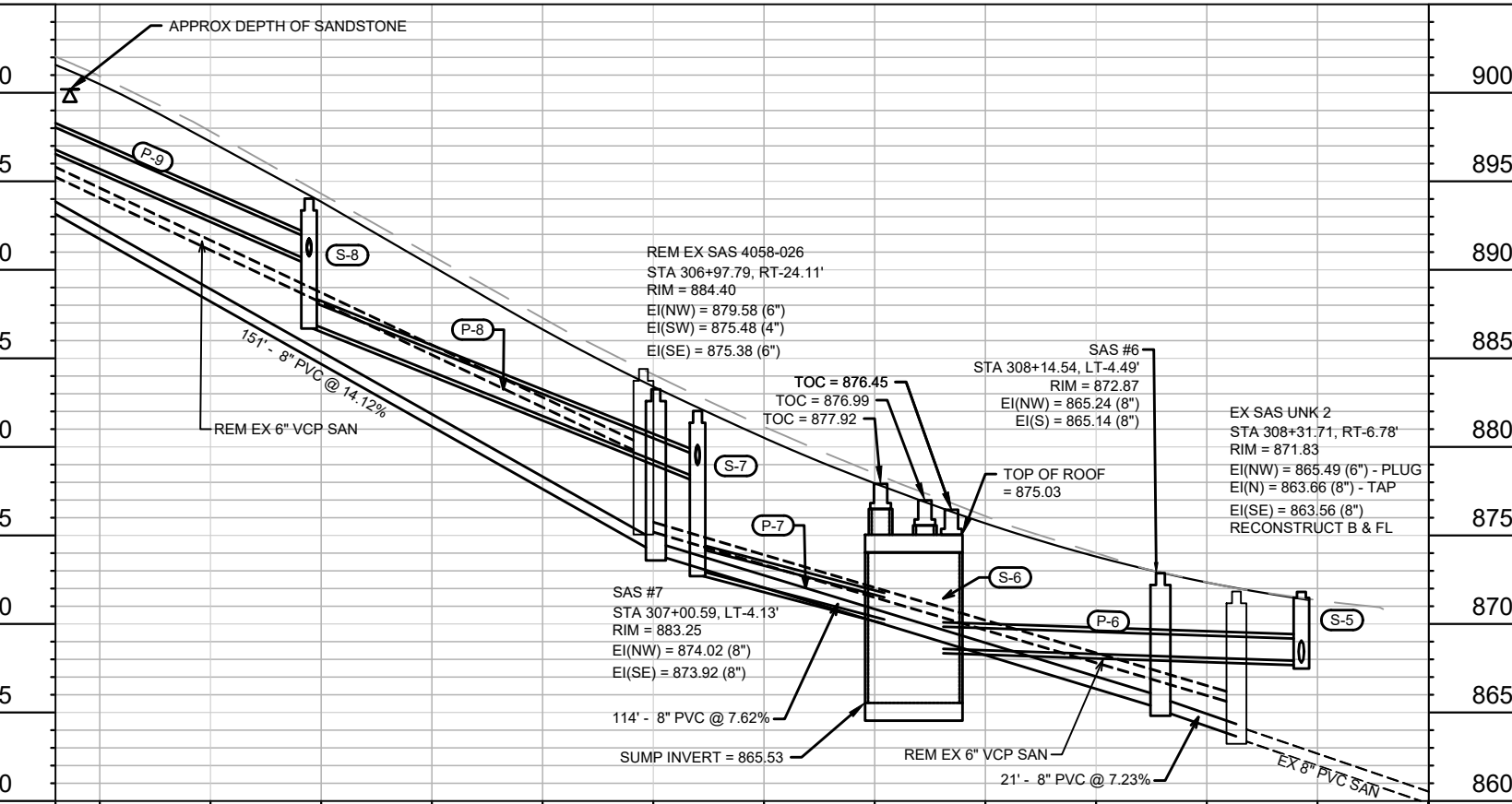
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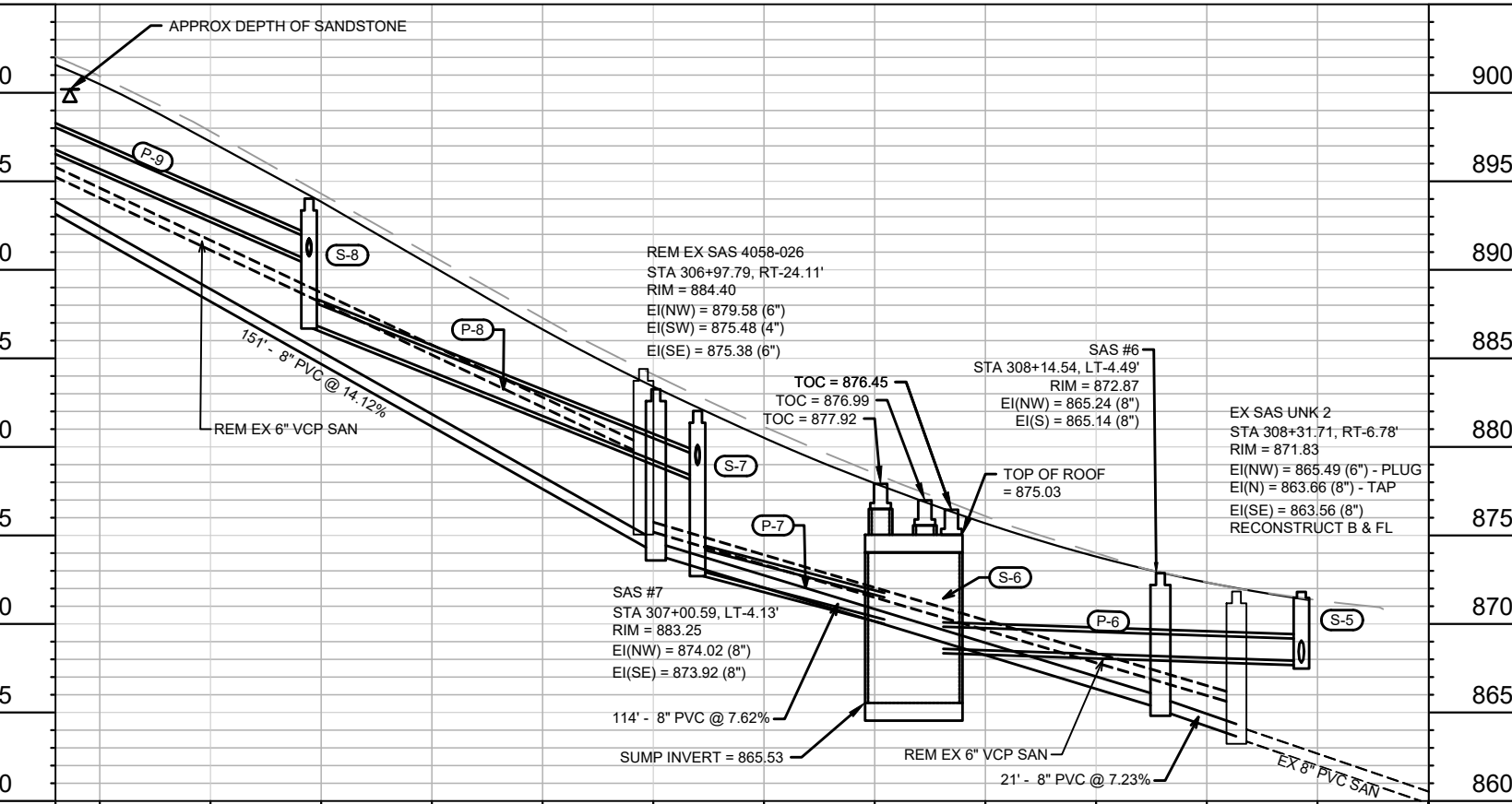
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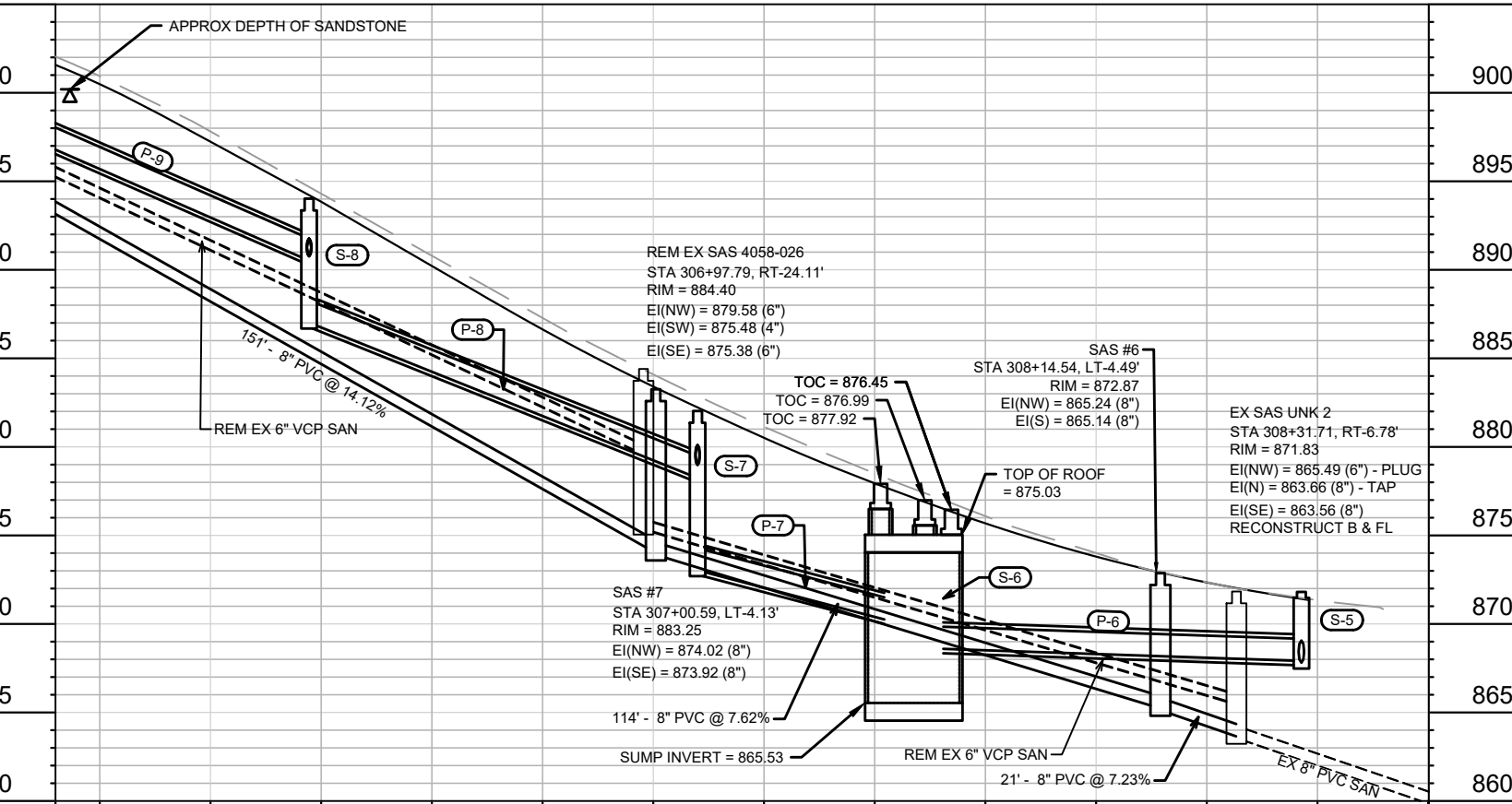
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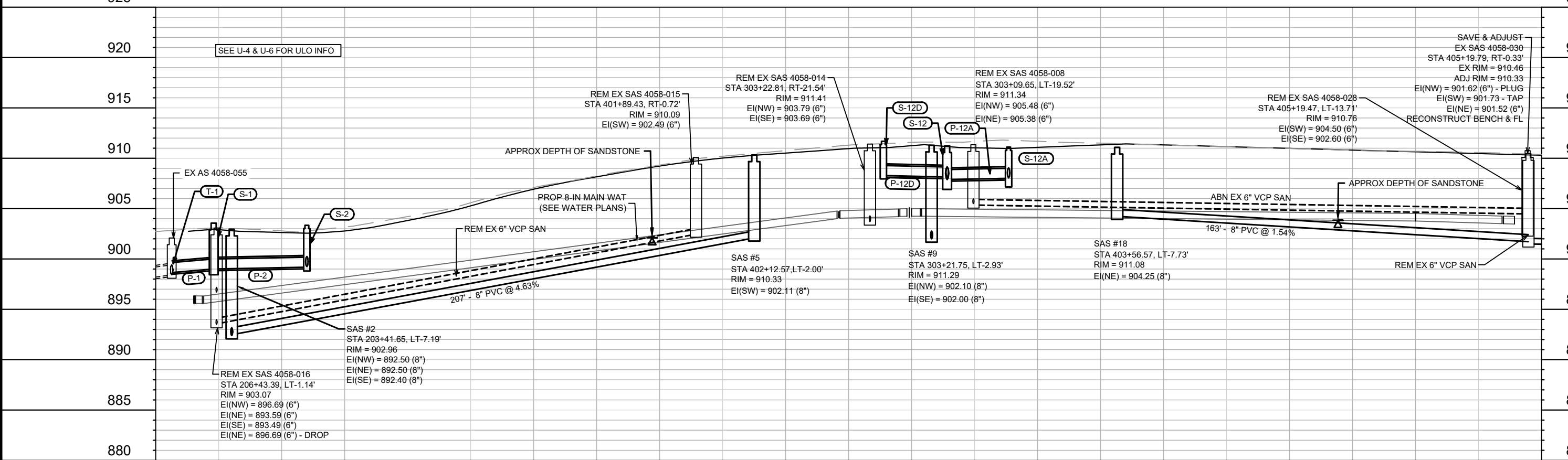
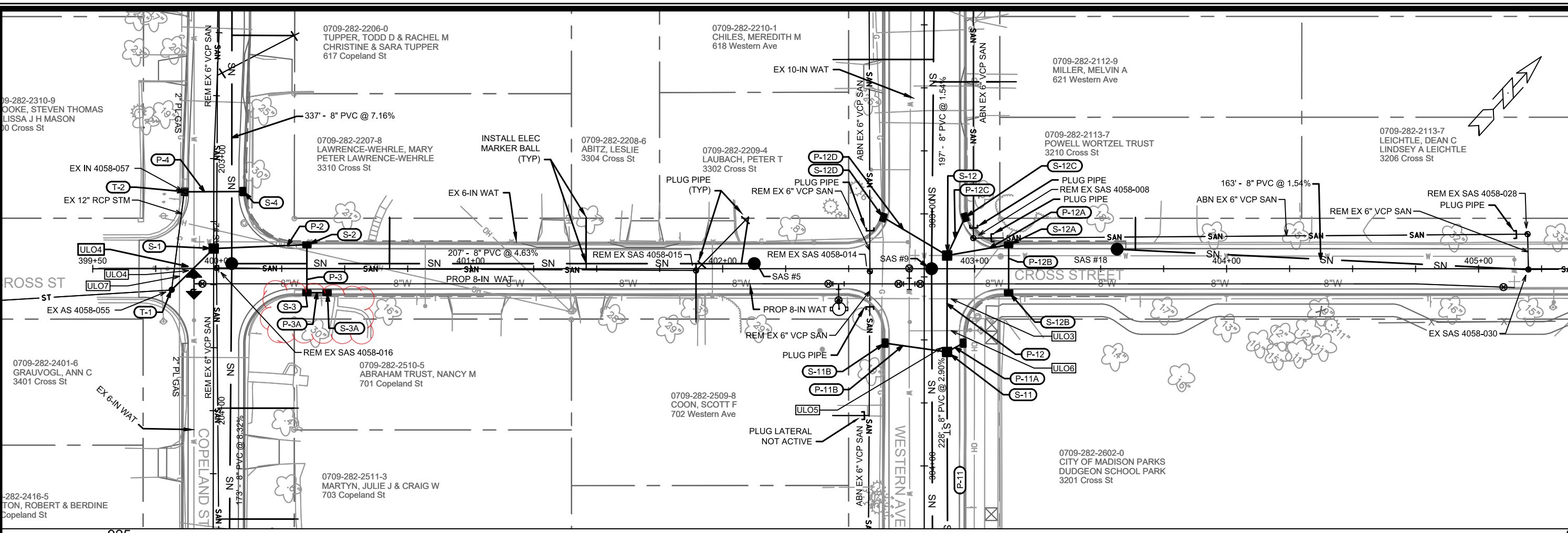
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399+75 400+00 401+00 402+00 403+00 404+00 405+00 405+25

REVISION 3 (ADD S-3A & P-3A)	6/17/20	DAO
ULOS, STIM CHANGES	5/13/20	DAO
STORM & SANITARY SEWER REVISION 1	3/2/20	DAO
MARK	REVISION	DATE
DESIGNED BY: DAO	Date: 6/17/2020 10:32 AM	Scale: 1" = 40'
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 MADISON, WI  
 CONTRACT NO: 8501

UTILITIES PLAN & PROFILE - CROSS ST  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
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# SANITARY SEWER SCHEDULE

\* REV 3/2/2020 DAO

GREGORY ST, CROSS ST, COPELAND ST & WESTERN AVE RECON	SHEET NO.
PROJECT NO. 11188	U-9
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

U-9

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>COPELAND ST</b>						
SAS #1	205+14.63	LT-6.07	890.25	877.90	12.35	
SAS #2	203+41.65	LT-7.19	902.96	892.40	10.56	
SAS #3	200+05.03	LT-4.81	926.68	916.61	10.07	
<b>WESTERN AVE</b>						
SAS #6	308+14.54	LT-4.49	872.87	865.14	7.73	
SAS #7	307+00.59	LT-4.13	883.25	873.92	9.33	
SAS #8	305+49.99	LT-3.65	902.87	895.29	7.58	
SAS #9	303+21.75	LT-2.93	911.29	902.00	9.29	
SAS #10	301+25.00	LT-4.74	916.27	905.13	11.14	
SAS #11	300+04.63	LT-4.80	922.39	913.67	8.72	
<b>GREGORY ST</b>						
SAS #4	100+24.80	RT-5.33	927.27	918.50	8.77	
SAS #12	102+50.01	LT-4.80	925.95	917.67	8.28	
SAS #13	107+68.38	RT-5.04	917.41	909.92	7.49	
SAS #14	105+20.35	RT-5.04	921.22	913.90	7.32	
SAS #15	113+73.13	RT-5.44	891.17	883.02	8.15	
SAS #16	110+69.44	RT-5.41	904.41	897.67	6.74	
SAS #17	108+25.48	RT-5.37	915.62	908.67	6.95	
<b>CROSS ST</b>						
SAS #5	402+12.57	LT-2.00	910.33	902.11	8.22	
SAS #18	403+56.67	LT-7.73	911.08	904.25	6.83	(1)

## SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>COPELAND ST</b>						
SAS 4058-024	205+68.52	LT-2.81	886.99	875.65	11.34	
SAS 4058-016	203+43.39	LT-1.14	903.07	893.49	9.58	
<b>WESTERN AVE</b>						
SAS 4058-026	306+97.79	RT-24.11	884.40	875.38	9.02	
SAS 4058-025	305+53.89	RT-22.82	904.05	896.59	7.46	
SAS 4058-014	303+22.81	RT-21.54	911.41	903.69	7.72	
SAS 4058-008	303+09.65	LT-19.52	911.34	905.38	5.96	
SAS 4058-009	301+36.81	LT-19.34	916.08	906.40	9.68	
<b>GREGORY ST</b>						
SAS 4058-011	101+86.56	LT-0.03	927.96	913.67	14.29	
SAS 4058-010	99+61.99	RT-1.52	927.44	920.14	7.30	
SAS 4058-013	104+44.06	RT-0.19	923.63	915.55	8.08	
SAS 4058-012	102+77.87	RT-0.35	926.55	918.51	8.04	
SAS 4057-006	107+68.47	LT-0.32	917.76	910.08	7.68	
SAS 4058-005	105+38.04	RT-0.07	921.72	915.12	6.60	
SAS 4157-031	113+72.87	RT-1.54	891.40	883.24	8.16	
SAS 4057-002	110+68.99	RT-0.56	905.36	899.12	6.24	
SAS 4057-001	108+38.95	LT-0.09	915.46	909.38	6.08	
<b>CROSS ST</b>						
SAS 4058-015	401+89.43	RT-0.72	910.09	902.49	7.60	
SAS 4058-028	405+19.47	LT-13.71	910.76	902.60	8.16	

## SPECIFIC NOTES

- (1) INSTALL OFFSET CONE W/ CASTING PLACED ON THE SW SIDE (OUTSIDE EDGE OF GUTTER)
- (2) PIPE PLUGS INCIDENTAL (LESS THAN 10")
- \* (3) INSTALL 2 (TWO) CLEANOUTS @ 726 WESTERN AVE (SEE U-7)

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	PAY SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
<b>COPELAND ST</b>								
UNK-1	SAS #1	859.60	877.90	353	5.18%	8"	SDR-35	
SAS #1	SAS #2	878.00	892.40	173	8.32%	8"	SDR-35	
SAS #2	SAS #3	892.50	916.61	337	7.16%	8"	SDR-35	
<b>WESTERN AVE</b>								
UNK-2	SAS #6	863.66	865.14	21	7.23%	8"	SDR-35	
SAS #6	SAS #7	865.24	873.92	114	7.62%	8"	SDR-35	
SAS #7	SAS #8	874.02	895.29	151	14.12%	8"	SDR-35	
SAS #8	SAS #9	895.39	902.00	228	2.90%	8"	SDR-35	
SAS #9	SAS #10	902.10	905.13	197	1.54%	8"	SDR-35	
SAS #10	SAS #11	905.63	913.67	120	6.68%	8"	SDR-35	
<b>GREGORY ST</b>								
SAS #3	SAS #4	916.71	918.50	167	1.07%	8"	SDR-35	
SAS #11	SAS #12	913.77	917.67	222	1.76%	8"	SDR-35	
SAS #13	SAS #14	910.02	913.90	248	1.56%	8"	SDR-35	
SAS #15	SAS #16	883.12	897.67	304	4.79%	8"	SDR-35	
SAS #16	SAS #17	897.77	908.67	244	4.47%	8"	SDR-35	
<b>CROSS ST</b>								
SAS #2	SAS #5	892.50	902.11	207	4.63%	8"	SDR-35	
SAS 4058-030	SAS #18	901.73	904.25	163	1.54%	8"	SDR-35	

## SANITARY PIPE REMOVALS

REMOVE FROM (DSTM)	REMOVE TO (UPSTM)	LGTH (FT)	PAY AMOUNT	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
<b>COPELAND ST</b>							
UNK COPELAND 2	SAS 4058-024	299	0	VCP	6"	N	
SAS 4058-024	SAS 4058-016	225	170	VCP	6"	Y	
SAS 4058-016	SAS 4058-015	190	0	VCP	6"	N	
<b>WESTERN AVE</b>							
UNK WESTERN 2	SAS 4058-026	135	75	VCP	6"	Y	REM PIPE LOC IN STREET; ABN W/PLUGS (2)
* SAS 4058-026	SAS 4058-025	144	0	VCP	6"	N	ABN W/PLUGS (2) (3)
SAS 4058-025	SAS 4058-014	231	13	VCP	6"	Y	REM PIPE LOC IN STREET; ABN W/PLUGS (2)
SAS 4058-014	SAS 4058-013	324	38	VCP	6"	Y	REM PIPE LOC IN STREET; ABN W/PLUGS (2)
SAS 4058-008	SAS 4058-009	173	0	VCP	6"	N	ABN W/PLUGS (2)
<b>GREGORY ST</b>							
SAS 4058-016	SAS 4058-011	343	343	VCP	6"	Y	
SAS 4058-011	SAS 4058-010	225	225	VCP	6"	Y	
SAS 4058-013	SAS 4058-012	166	166	VCP	6"	Y	
SAS 4057-006	SAS 4057-005	231	231	VCP	6"	Y	
SAS 4157-031	SAS 4057-002	304	304	VCP	6"	Y	
SAS 4057-002	SAS 4057-001	230	230	VCP	6"	Y	
<b>CROSS ST</b>							
SAS 4058-030	SAS 4058-028	14	14	VCP	6"	Y	
SAS 4058-028	SAS 4058-008	220	0	VCP	6"	N	ABN W/PLUGS (2)



# STORM SEWER SCHEDULE

\* REV 3/2/2020 DAO  
 \*\* REV 5/13/2020 DAO  
 % REV 6/17/2020 DAO

REGORY ST, CROSS ST, COPELAND ST & WESTERN AVE RECO	SHEET NO.
PROJECT NO. 11188	U-10
STORM SEWER SCHEDULE	
CITY OF MADISON	

U-10

## PROPOSED STORM STRUCTURES

## PROPOSED STORM PIPES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>COPELAND ST</b>							
T-1	203+52.05	RT-16.62	TAP	-	898.65	-	EX AS 4058-055
** S-1	203+35.66	CL	3X3 SAS	903.56	<b>899.00</b>	<b>4.56</b>	W/1550-0054
** S-2	203+34.10	LT-36.98	H INLET	903.34	<b>899.19</b>	<b>4.15</b>	LP; W/3067-7004-VB
** S-3	203+53.10	LT-37.02	H INLET	902.54	899.34	3.20	LP; W/3067-7004-VB
% <b>S-3A</b>	<b>400+43.00 (CS)</b>	<b>RT-9.50</b>	<b>TAP</b>	<b>902.63</b>	<b>899.48</b>	<b>3.15</b>	<b>W/3067-7004-V</b>
T-2	203+13.17	RT-11.24	TAP	-	902.03	-	EX IN 4058-057
S-4	203+13.01	LT-11.50	H INLET	905.42	902.39	3.03	W/3067-7004-V
<b>WESTERN AVE</b>							
T-4	308+49.84	RT-15.89	TAP	-	867.40	-	EX UNK IN-5
S-5	308+46.36	LT-15.24	3X3 SAS	871.81	867.81	4.00	W/3067-7004-V
S-6	307+58.84	LT-16.00	SCREEN TRT DEV TYPE B	876.71	865.53	11.18	(1)
S-7	307+10.00	LT-10.16	3X3 SAS	882.03	873.03	9.00	W/1550-0054
S-7A	307+08.00	LT-15.50	H INLET	882.56	879.16	3.40	W/3067-7004-V
S-7B	307+08.00	RT-15.50	H INLET	882.56	879.16	3.40	W/3067-7004-V
S-8	306+22.27	LT-9.88	3X3 SAS	894.02	887.02	7.00	W/1550-0054
S-8A	306+20.43	LT-15.05	H INLET	894.59	891.19	3.40	W/3067-7004-V
S-8B	306+20.41'	RT-15.50	H INLET	894.57	891.17	3.40	W/3067-7004-V
** <b>S-9</b>	<b>305+40.97</b>	<b>LT-9.62</b>	<b>3X3 SAS</b>	<b>903.42</b>	<b>898.80</b>	<b>4.62</b>	<b>W/1550-0054</b>
S-10	304+56.58	LT-9.36	3X3 SAS	907.45	903.45	4.00	W/1550-0054
S-10A	304+54.58	LT-15.50	H INLET	909.14	904.14	5.00	W/3067-7004-V
** <b>S-11</b>	<b>303+54.78</b>	<b>LT-9.04</b>	<b>3X3 SAS</b>	<b>910.61</b>	<b>906.64</b>	<b>3.97</b>	<b>W/1550-0054</b>
S-11A	303+51.29	LT-15.50	H INLET	910.97	907.57	3.40	W/3067-7004-V
S-11B	303+51.28	RT-15.50	H INLET	910.97	907.57	3.40	W/3067-7004-V
** <b>S-12</b>	<b>303+16.52</b>	<b>LT-9.11</b>	<b>3X3 SAS</b>	<b>911.23</b>	<b>907.88</b>	<b>3.35</b>	<b>FP; W/1550-0054</b>
** <b>S-12A</b>	<b>303+12.25</b>	<b>LT-33.50</b>	<b>H INLET</b>	<b>911.11</b>	<b>908.00</b>	<b>3.11</b>	<b>LP; W/3067-7004-VB</b>
** <b>S-12B</b>	<b>303+31.25</b>	<b>LT-33.50</b>	<b>H INLET</b>	<b>911.19</b>	<b>908.15</b>	<b>3.04</b>	<b>LP; W/3067-7004-VB</b>
S-12C	303+01.35	LT-16.20	H INLET	911.63	908.23	3.40	W/3067-7004-V
S-12D	303+01.41	RT-16.22	H INLET	911.68	908.28	3.40	W/3067-7004-V
<b>GREGORY ST</b>							
T-3	113+84.73	RT-13.93	TAP	-	-	-	EX AS 4157-028
* <b>S-13</b>	<b>113+82.37'</b>	<b>LT-13.50</b>	<b>H INLET</b>	<b>892.56</b>	<b>887.30</b>	<b>5.26</b>	<b>W/3920-A</b>
S-14	110+82.06	RT-11.70	COLLAR	-	902.17	-	
** <b>S-15</b>	<b>110+82.13</b>	<b>LT-13.50</b>	<b>H INLET</b>	<b>905.45</b>	<b>902.20</b>	<b>3.25</b>	<b>W/3290-A</b>
* <b>S-16</b>	<b>110+52.47</b>	<b>LT-13.50</b>	<b>H INLET</b>	<b>906.31</b>	<b>902.93</b>	<b>3.38</b>	<b>W/3920-A</b>
S-17	100+06.38	RT-13.50	H INLET	927.14	924.44	2.70	FP; W/3067-7004-V (3)
S-18	100+45.96	RT-13.50	H INLET	927.46	924.68	2.78	FP; W/3067-7009-V (2)(3)
S-19	100+66.42	RT-13.50	H INLET	927.59	924.84	2.75	FP; W/3067-7004-V (3)

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>COPELAND ST</b>										
** <b>P-1</b>	T-1	S-1	<b>898.65</b>	<b>899.00</b>	23	21	1.67%	12"	RCP	
** <b>P-2</b>	S-1	S-2	<b>899.00</b>	<b>899.19</b>	37	35	<b>0.54%</b>	12"	RCP	
** <b>P-3</b>	S-2	S-3	<b>899.24</b>	899.34	19	16	<b>0.62%</b>	12"	RCP	
% <b>P-3A</b>	<b>S-3</b>	<b>S-3A</b>	<b>899.44</b>	<b>899.48</b>	<b>8</b>	<b>6</b>	<b>0.67%</b>	<b>12"</b>	<b>RCP</b>	
P-4	T-2	S-4	902.03	902.39	23	21	1.71%	12"	RCP	
<b>WESTERN AVE</b>										
P-5	T-4	S-5	867.40	867.81	31	30	1.37%	15"	RCP	
P-6	S-5	S-6	867.91	868.53	88	80	0.78%	15"	RCP	
P-7	S-6	S-7	871.03	873.03	49	42	4.76%	15"	RCP	
P-7A	S-7	S-7A	879.12	879.16	6	3	1.33%	12"	RCP	
P-7B	S-7	S-7B	878.97	879.16	26	23	0.83%	12"	RCP	
P-8	S-7	S-8	878.24	887.02	88	85	10.33%	15"	RCP	
P-8A	S-8	S-8A	890.77	891.19	5	2	21.00%	12"	RCP	
P-8B	S-8	S-8B	890.77	891.17	25	22	1.82%	12"	RCP	
** <b>P-9</b>	S-8	S-9	890.52	<b>898.80</b>	<b>81</b>	<b>79</b>	<b>10.50%</b>	15"	RCP	
** <b>P-10</b>	S-9	S-10	<b>898.90</b>	903.45	<b>84</b>	<b>82</b>	<b>5.58%</b>	15"	RCP	
P-10A	S-10	S-10A	903.70	904.14	6	4	11.00%	12"	RCP	
** <b>P-11</b>	S-10	S-11	903.55	906.64	<b>102</b>	<b>99</b>	<b>3.12%</b>	15"	RCP	
** <b>P-11A</b>	S-11	S-11A	906.89	907.57	<b>7</b>	<b>4</b>	<b>16.83%</b>	12"	RCP	
** <b>P-11B</b>	S-11	S-11B	906.89	907.57	<b>25</b>	<b>22</b>	<b>3.12%</b>	12"	RCP	
** <b>P-12</b>	S-11	S-12	<b>907.39</b>	<b>907.88</b>	<b>38</b>	<b>35</b>	<b>1.39%</b>	15"	RCP	
** <b>P-12A</b>	S-12	S-12A	<b>907.88</b>	<b>908.00</b>	<b>25</b>	<b>22</b>	<b>0.54%</b>	12"	RCP	NCM
** <b>P-12B</b>	S-12A	S-12B	<b>908.05</b>	<b>908.15</b>	<b>19</b>	<b>16</b>	<b>0.62%</b>	12"	RCP	
** <b>P-12C</b>	S-12	S-12C	<b>908.13</b>	908.23	<b>17</b>	<b>14</b>	<b>0.73%</b>	12"	RCP	
** <b>P-12D</b>	S-12	S-12D	<b>908.13</b>	908.28	<b>29</b>	<b>26</b>	<b>0.57%</b>	12"	RCP	
* <b>P-18</b>	<b>S-5</b>	<b>STA 308+00.71, LT-31.72'</b>	<b>868.39</b>	<b>869.49</b>	<b>55</b>	<b>55</b>	<b>2.00%</b>	<b>8"</b>	<b>TYPE III STM (4)</b>	
* <b>P-19</b>	<b>S-10A</b>	<b>STA 304+55.18, LT-33.92'</b>	<b>904.47</b>	<b>904.73</b>	<b>13</b>	<b>13</b>	<b>2.00%</b>	<b>8"</b>	<b>TYPE III STM (4)</b>	
<b>GREGORY ST</b>										
P-13	T-3	S-13	886.36	887.30	28	26	3.62%	12"	RCP	
** <b>P-14</b>	S-14	S-15	<b>901.72</b>	<b>902.20</b>	<b>25</b>	<b>24</b>	<b>2.02%</b>	12"	RCP	
** <b>P-15</b>	S-15	S-16	<b>902.30</b>	902.93	<b>30</b>	<b>28</b>	<b>2.28%</b>	12"	RCP	
P-16	S-17	S-18	924.44	924.68	40	38	0.63%	12"	RCP	
P-17	S-18	S-19	924.73	924.84	21	18	0.61%	12"	RCP	

- NOTE:**
- PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.
  - KOR N SEAL BOOTS OR EQUIVALENT SHALL BE USED FOR ALL PIPE CONNECTIONS TO INLETS. IN ADDITION, KOR N SEAL BOOTS SHALL BE REQUIRED FOR ANY TYPE II PIPE CONNECTION TO SAS STORM STRUCTURES. CONCRETE COLLARS OR KOR N SEAL MAY BE USED FOR ANY RCP OR HERCP
  - ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
  - 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.

## STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

## SPECIFIC NOTES

- (1) FIELD POUR STRUCTURE. SEE S.D.D. 5.7.39C & 5.7.39D
- (2) INSTALL MOUNTABLE CURB PLATE W/ COMBINATION INLET FRAME
- (3) PIPE INVERT GIVEN; ADD 1' BELOW LOWEST INVERT, SEE S.D.D. 5.7.3
- \* (4) PROVIDE CAP & PLACE ELEC MARKER BALL

# STORM SEWER SCHEDULE

GREGORY ST, CROSS ST, COPELAND ST & WESTERN AVE RECON PROJECT NO. 11188	SHEET NO. U-11
STORM SEWER SCHEDULE	
CITY OF MADISON	

U-11

## REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>GREGORY ST</b>					
RS-1	IN 4157-029	113+82.34	LT-14.41	INLET	
RS-2	IN 4057-004	110+76.92	LT-13.49	INLET	
RS-3	IN 4058-041	100+06.43	RT-14.65	INLET	
<b>WESTERN AVE</b>					
RS-4	UNK IN	308+46.36	LT-15.24	INLET	

## REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
<b>GREGORY ST</b>							
RP-1	AS 4157-028	RS-1	27	12"	VCP	N	
RP-2	S-14	RS-1	24	12"	VCP	N	
<b>WESTERN AVE</b>							
RP-3	T-4	RS-4	31	15"	RCP	N	

## STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>WESTERN AVE</b>				
ULO1	308+22.57	RT-0.78	WATER	
ULO2	305+36.27	LT-9.61	GAS SERVICE TO SCHOOL	
ULO3	303+33.68	LT-9.07	TELE	
<b>COPELAND ST</b>				
ULO4	203+43.27	RT-7.79	WATER	

## STORM STRUCTURE ADJUSTMENTS

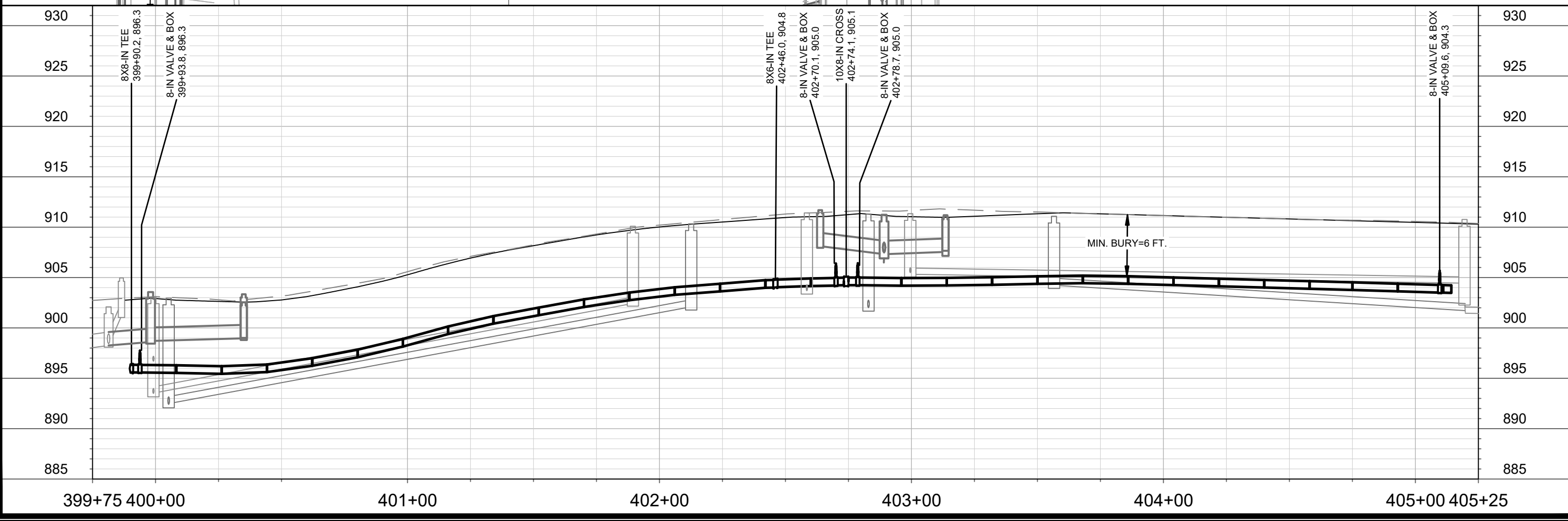
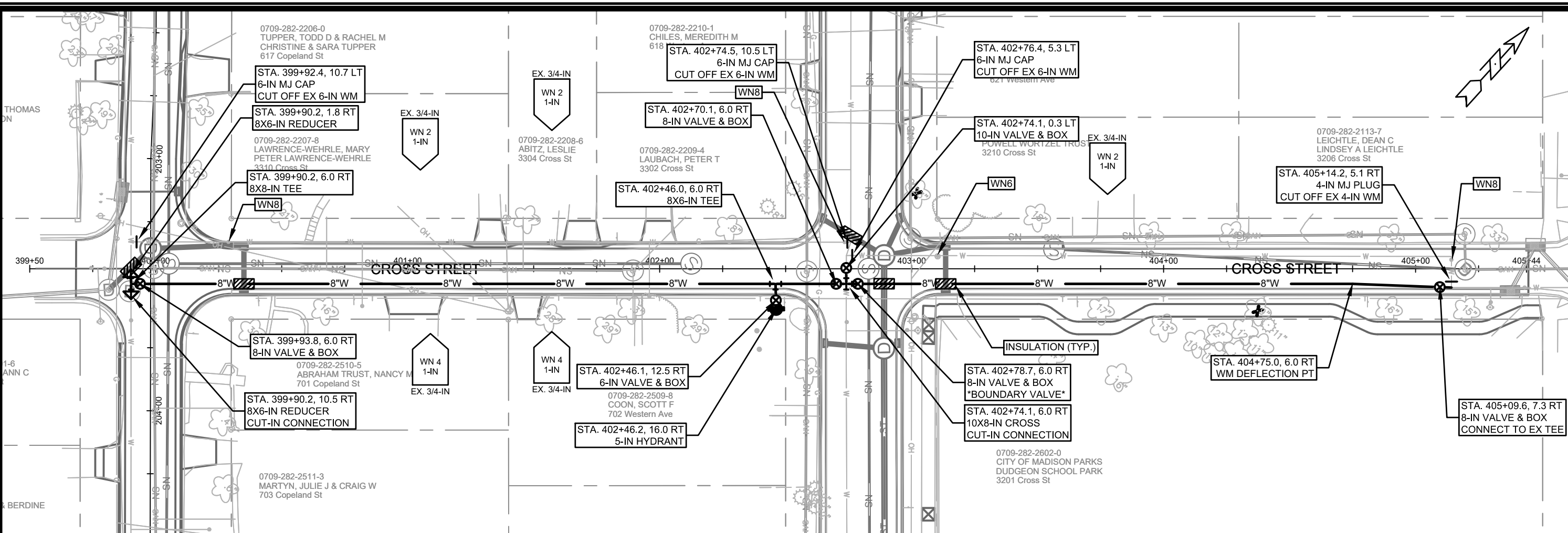
ADJUST NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
<b>GREGORY ST</b>						
T-3	113+84.73	RT-13.93	890.4	890.41	0.01	EX AS 4157-028 (1)

## SPECIFIC NOTES

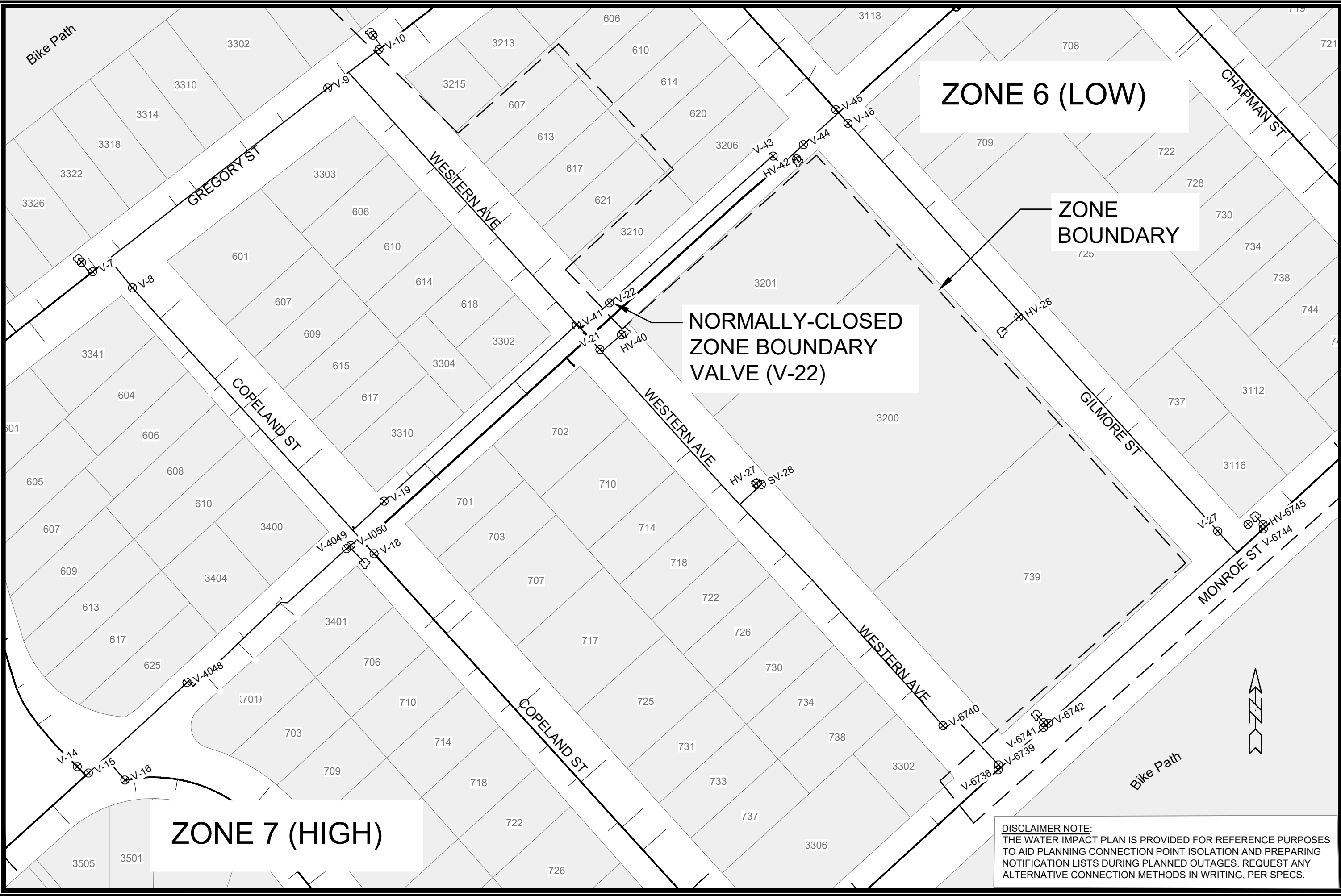
(1) RECONSTRUCT CATCHBASIN WITH SAS CASTINGS (BID ITEM 90031)

## STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
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- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.



11188	11188	W-1
REVISION	DATE	BY
MARK	DATE	BY
Designed By: ARW Date: 02.17.2020 Scale: 1" = 40'		
11188		
11188	MADISON, WI	8501
WATER PLAN AND PROFILE - CROSS STREET		
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.		
CITY OF MADISON, WI		
11188		
W-1		



**ZONE 6 (LOW)**

**ZONE BOUNDARY**

**NORMALLY-CLOSED ZONE BOUNDARY VALVE (V-22)**

**ZONE 7 (HIGH)**

**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: FBEG  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: XX/XX/2020

GREGORY ST, COPPELAND ST & WESTERN AVE RECON.

WATER IMPACT PLAN

**CITY OF MADISON, WISCONSIN**

CONTRACT NO: 8501



11188

W-2



CONSTRUCTION NOTES:

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.</li> <li>2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.</li> <li>3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.</li> <li>4. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. CONTRACTOR IS RESPONSIBLE OR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.</li> </ol> | <p>WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|---|---|

WATER UTILITY ULO SCHEDULE

(VACANT)

ESTIMATE OF NEW MATERIALS\*

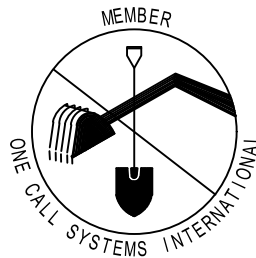
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6-INCH PIPE & FITTINGS	10	LNFT
8-INCH PIPE & FITTINGS	550	LNFT
10-INCH PIPE & FITTINGS	<10	LNFT
6-INCH WATER VALVE	1	EACH
8-INCH WATER VALVE	4	EACH
10-INCH WATER VALVE	1	EACH
5-IN HYDRANT	1	EACH
COPPER FOR 1-INCH SERVICE LATERAL RECONNECTIONS	AS REQ.	
STYROFOAM INSULATION	40	LNFT
6-IN MJ CAP	3	EACH
4-IN MJ PLUG	1	EACH
10X8-IN CROSS	1	EACH
8X6-IN REDUCER	2	EACH
8X6-IN TEE	1	EACH
8X8-IN TEE	1	EACH

\* ESTIMATE OF MATERIALS IS 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.

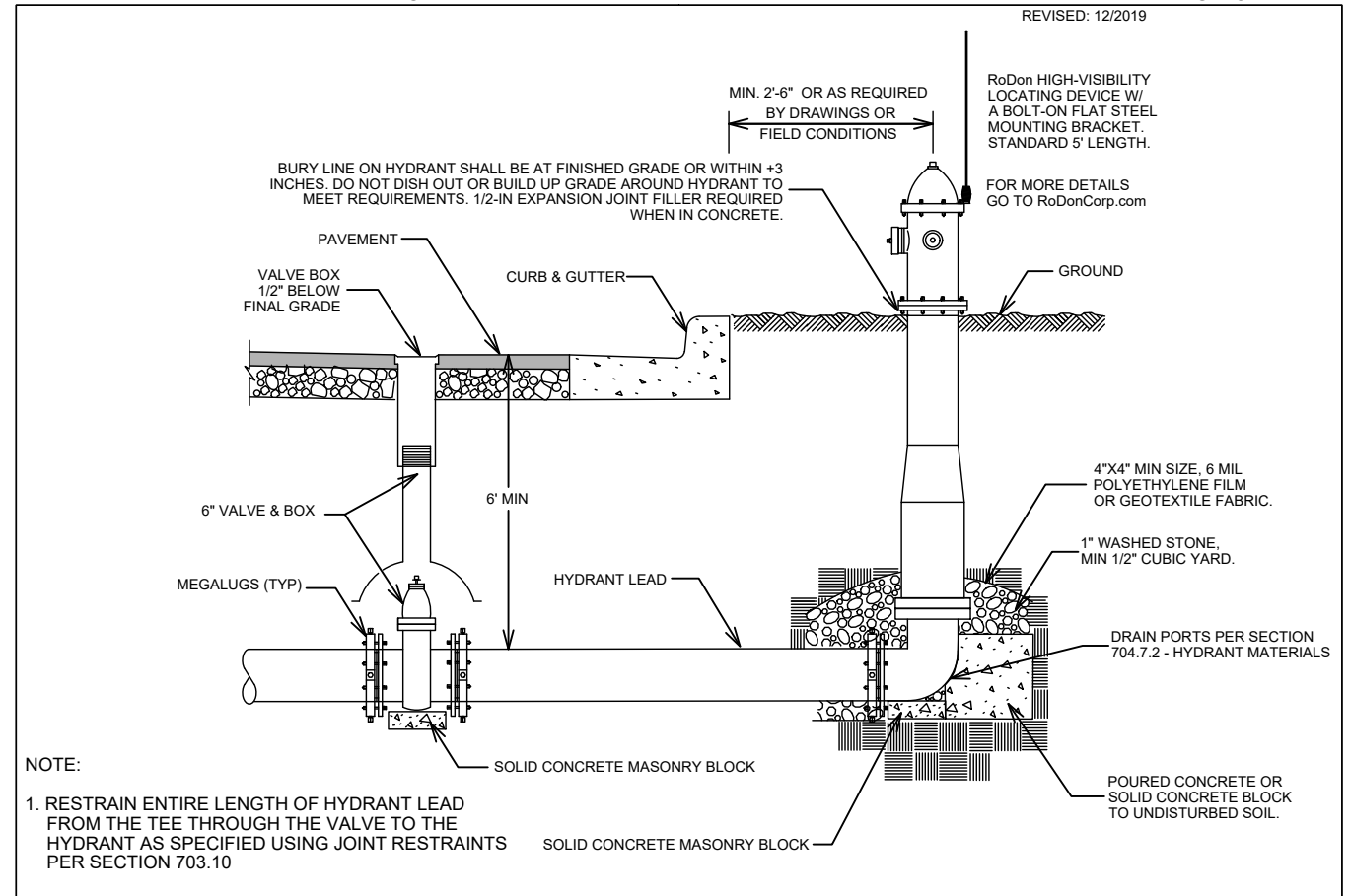


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

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: ###-##-###

GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
WATER ESTIMATE OF MATERIALS

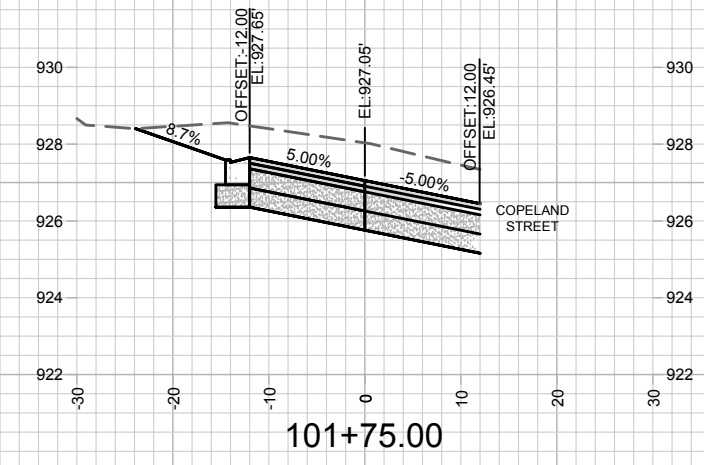
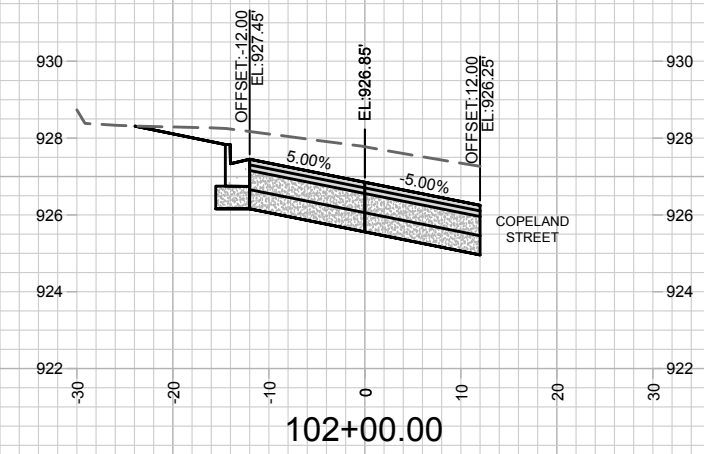
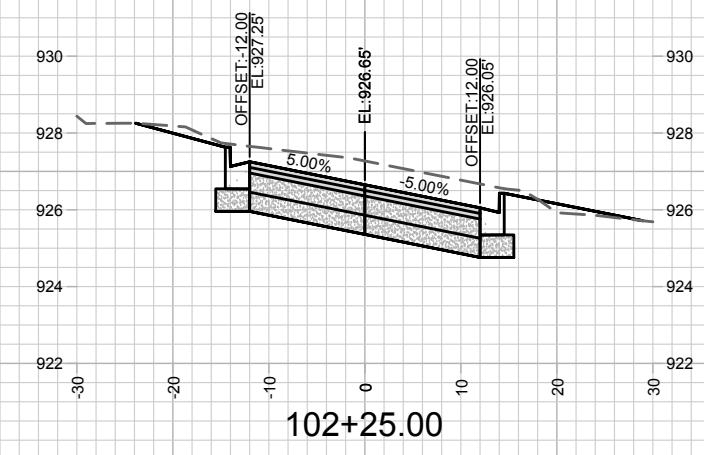
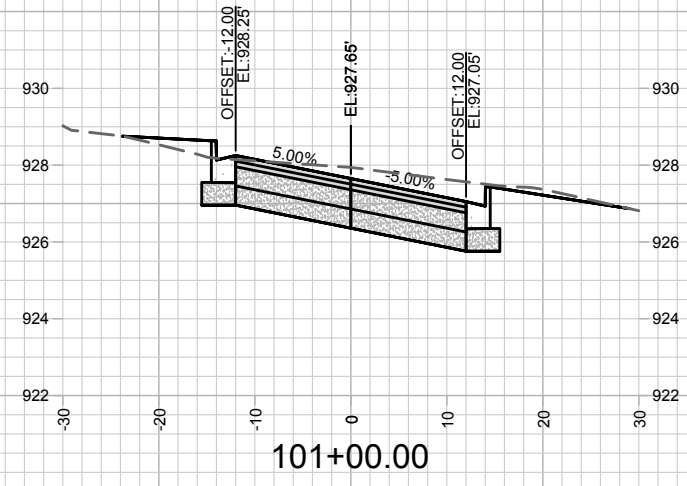
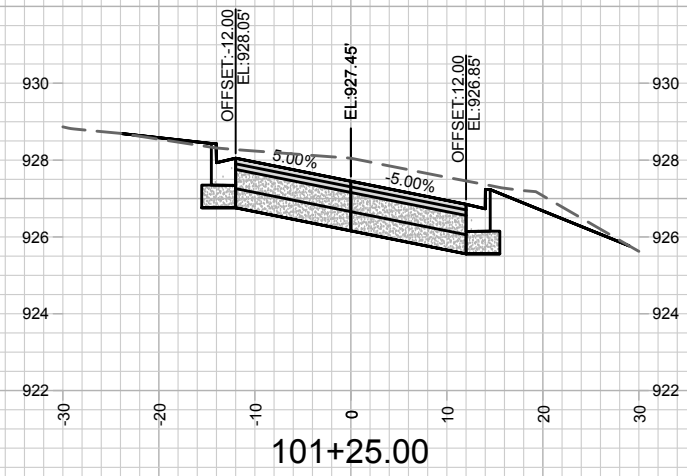
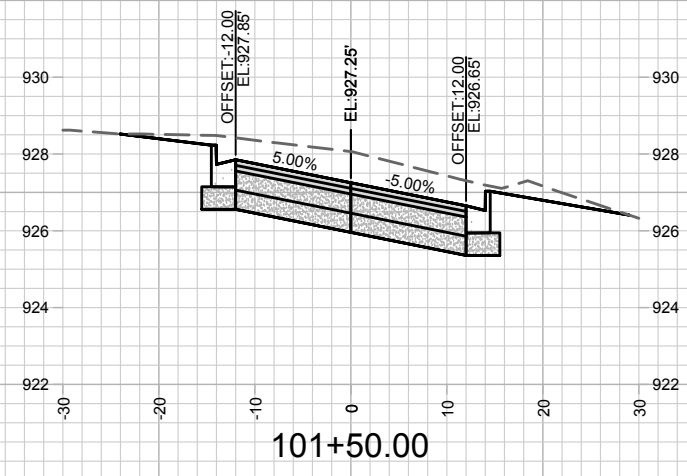
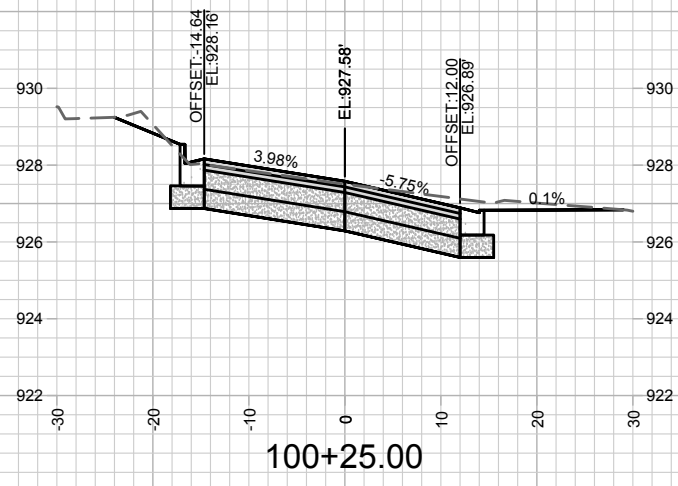
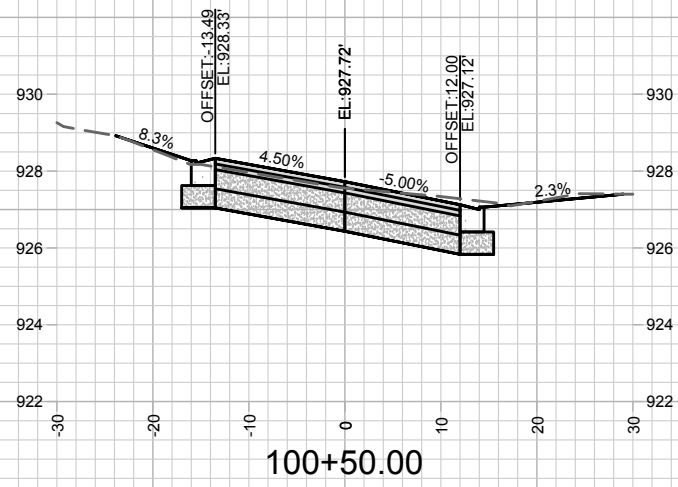
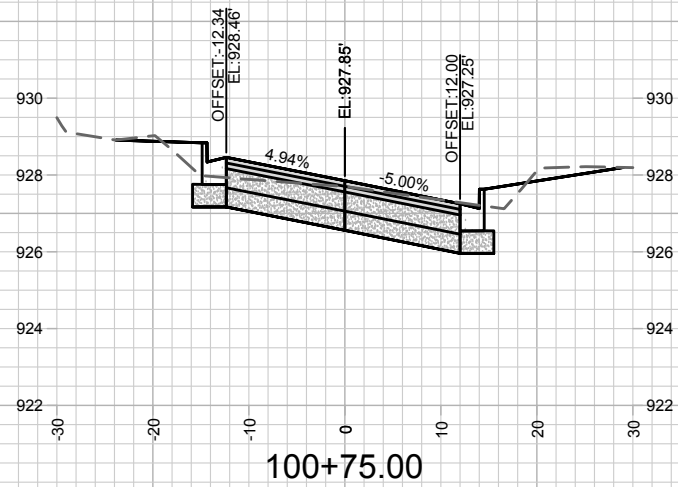
CONTRACT NO: 8501

CITY OF MADISON, WISCONSIN



11188

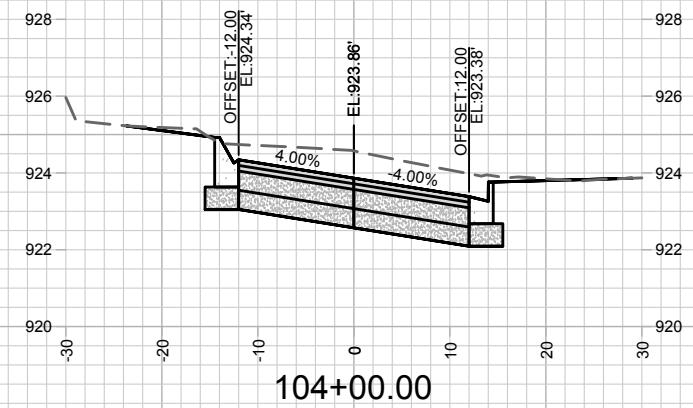
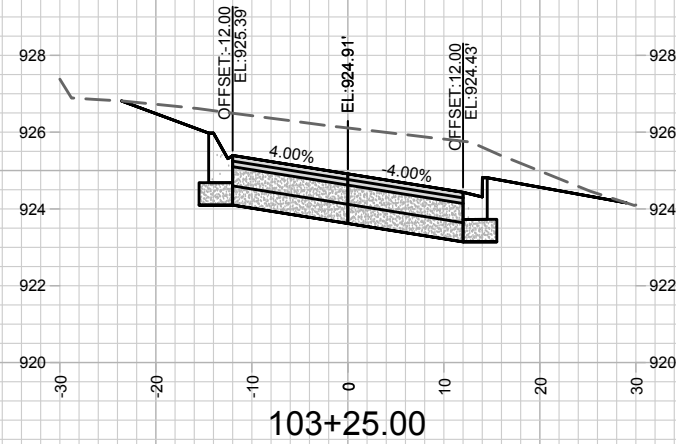
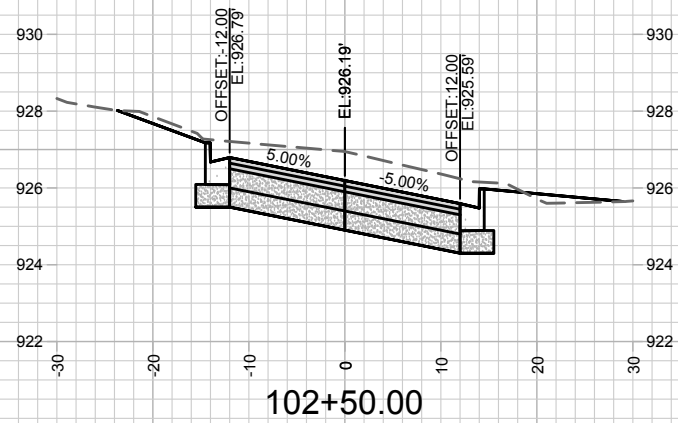
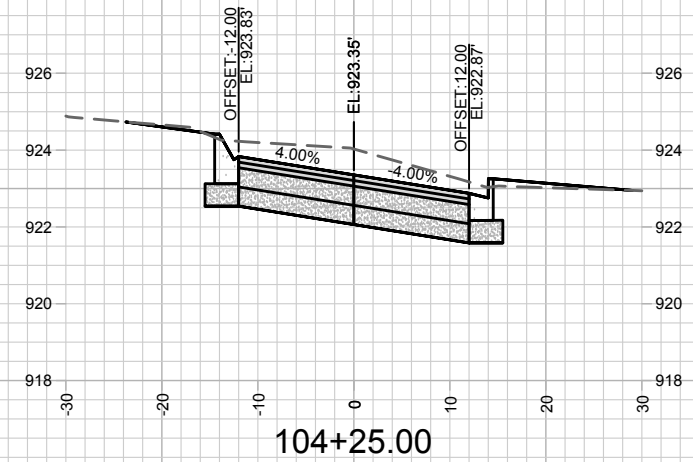
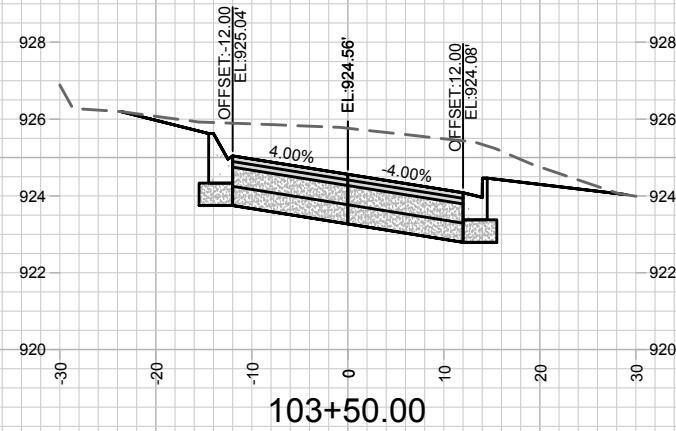
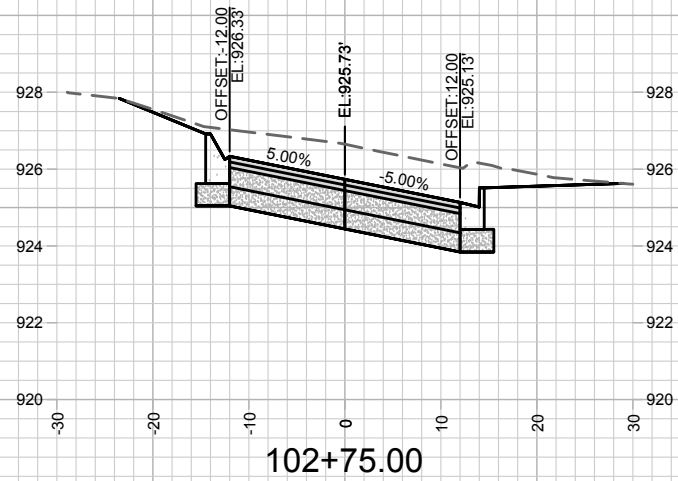
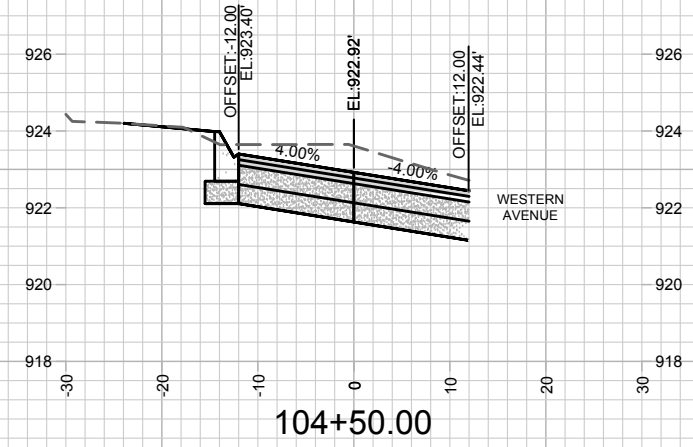
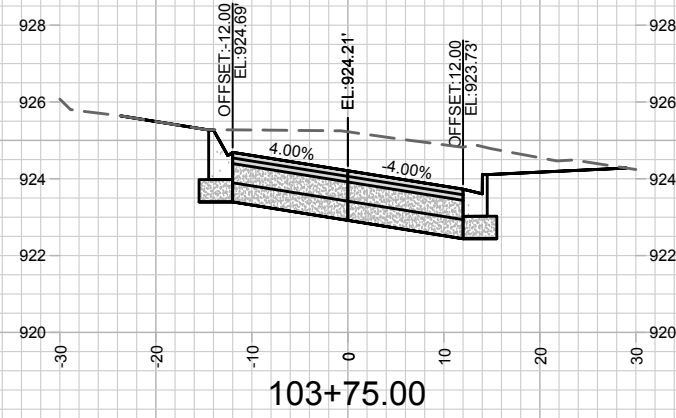
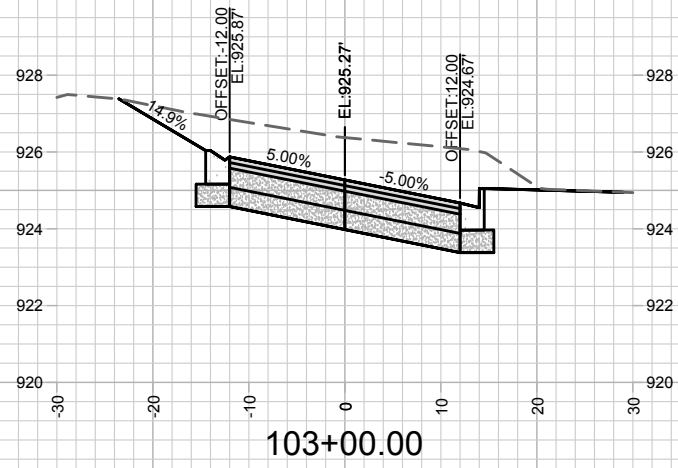
W-3



MARK	REVISION	DATE	BY
11188	Designed By: FBEG	Date: 2/19/2020 10:21 AM	Scale: 1" = 20'
CONTRACT NO: 8501			X-1

11188  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
 CONTRACT NO: 8501



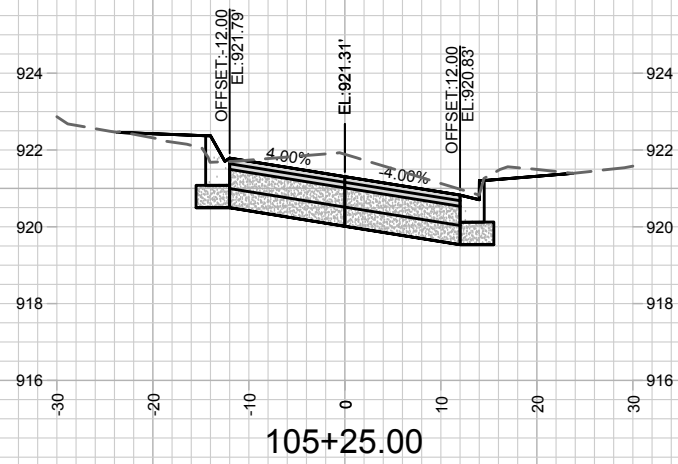


MARK	REVISION	DATE	BY

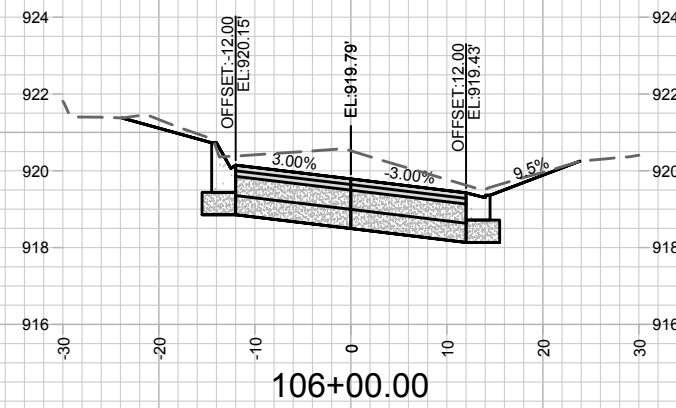
11188  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
 CONTRACT NO.: 8501



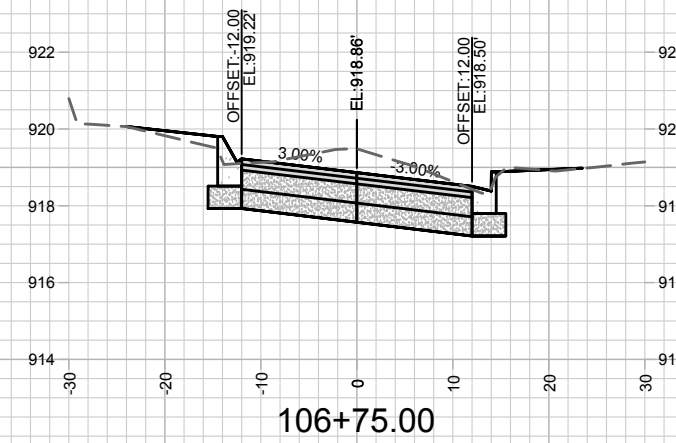
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 DATE: 2/19/2020 10:22 AM  
 SCALE: 1" = 20'  
 11188  
 X-2



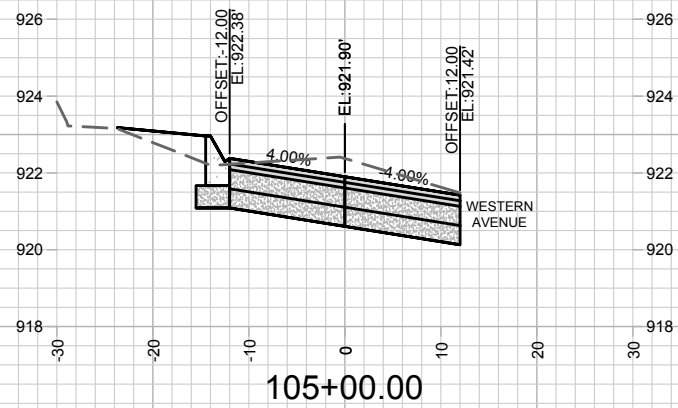
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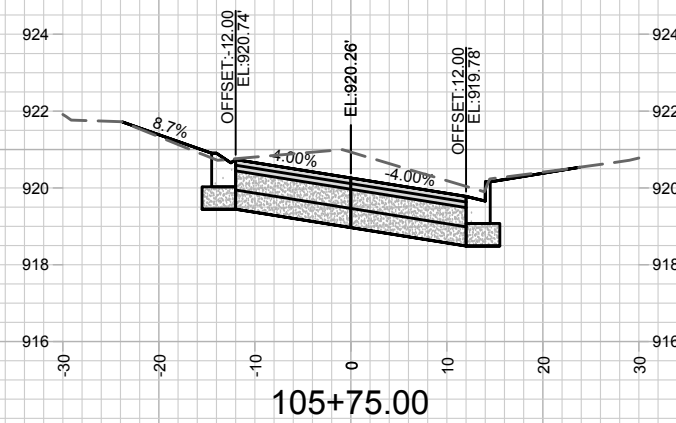
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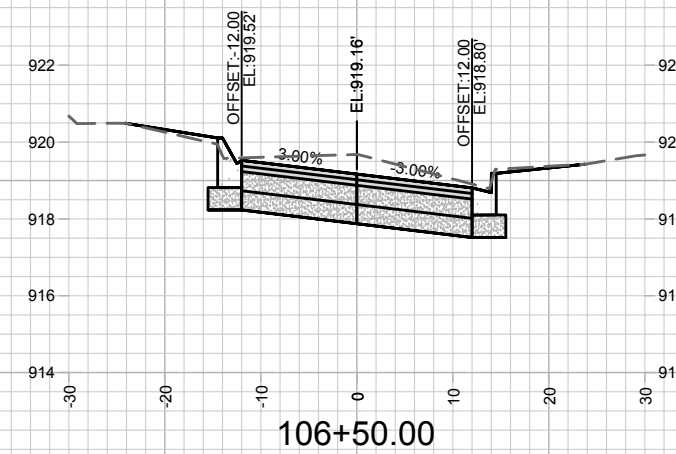
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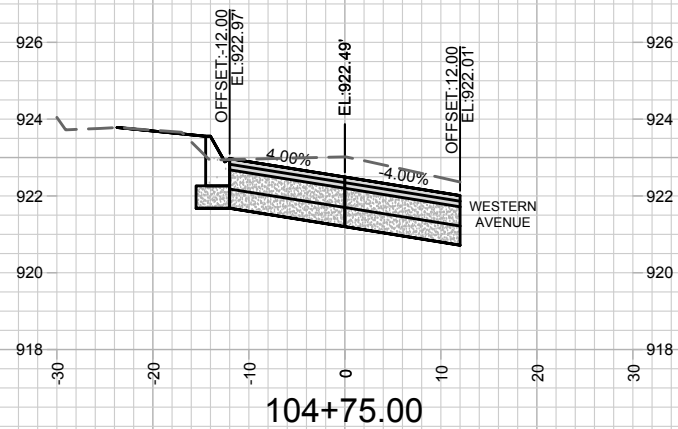
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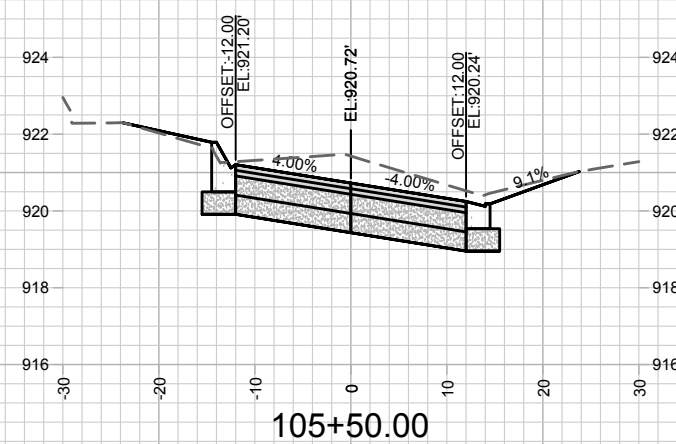
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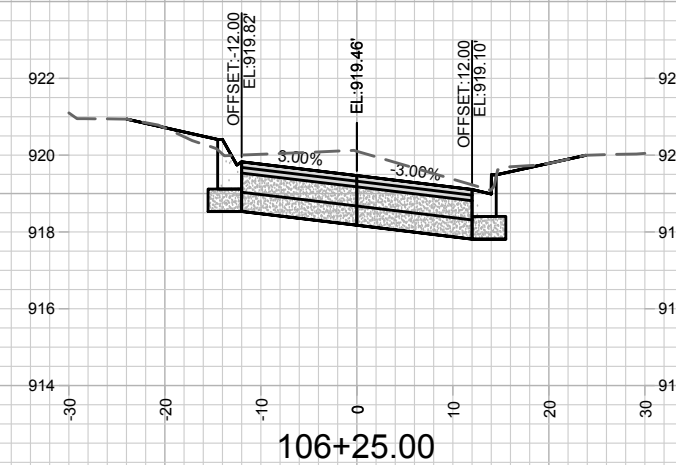
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104+75.00



105+50.00



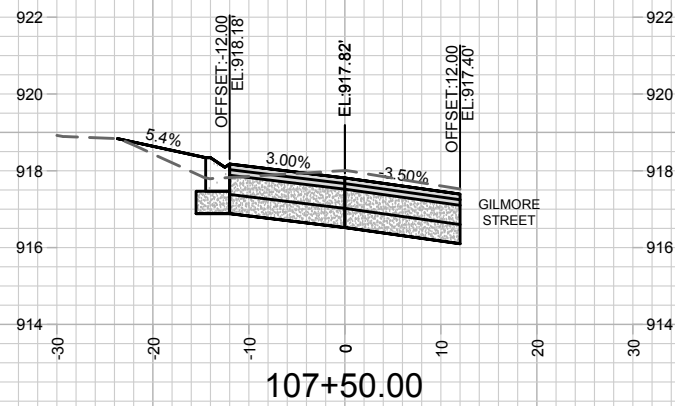
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MARK	REVISION	DATE	BY
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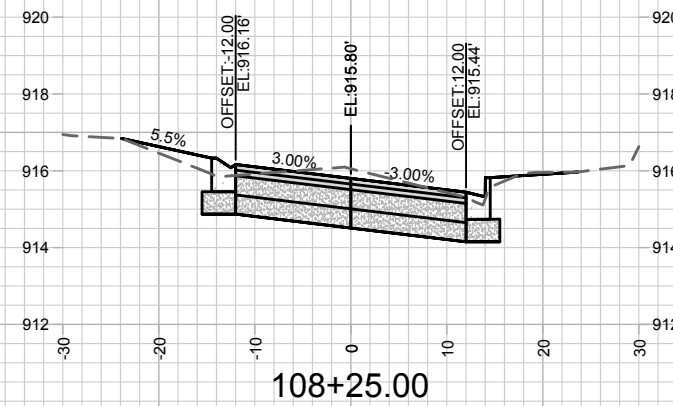
11188  
 GREGORY ST, COPLAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
 CONTRACT NO: 8501



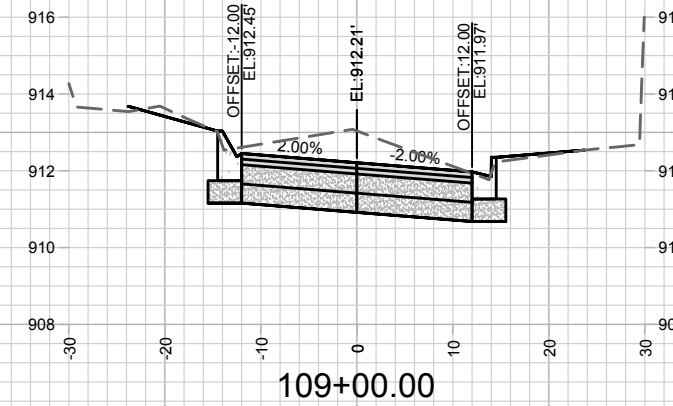




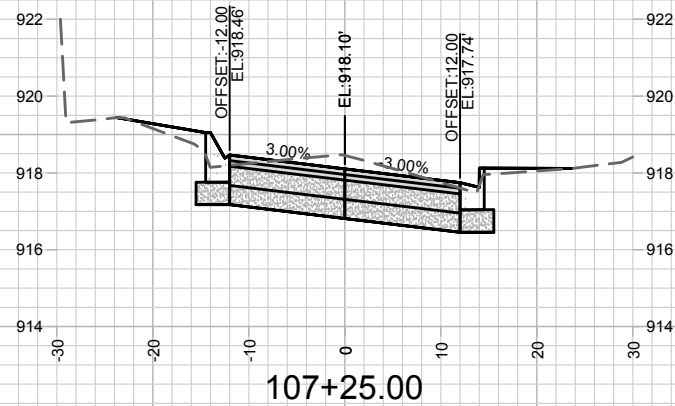
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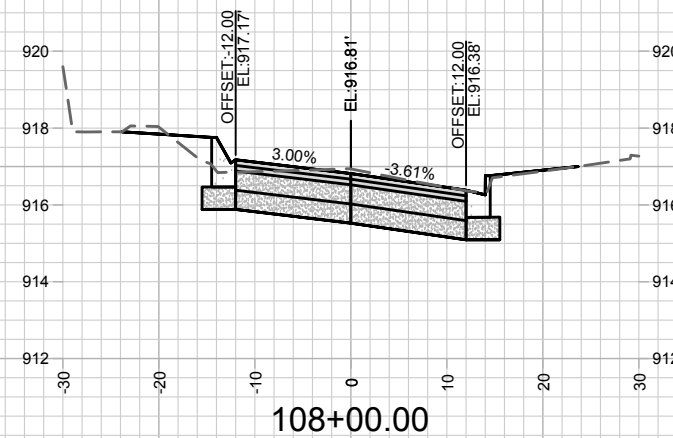
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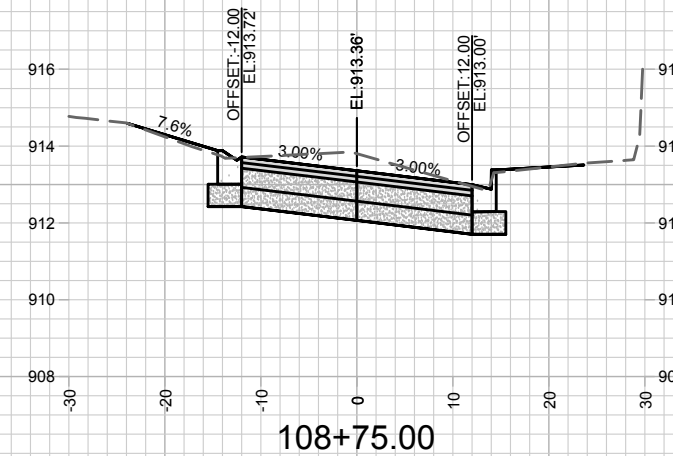
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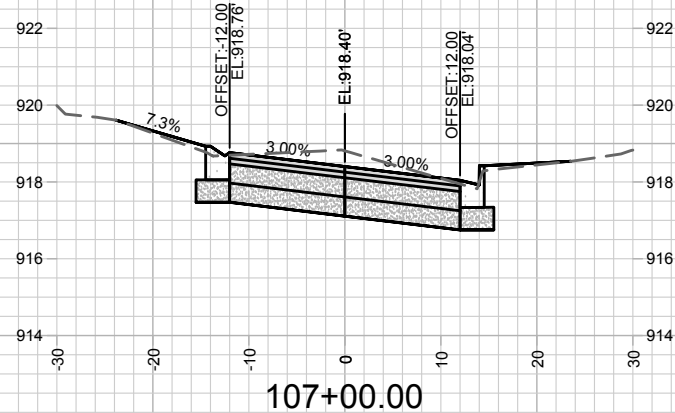
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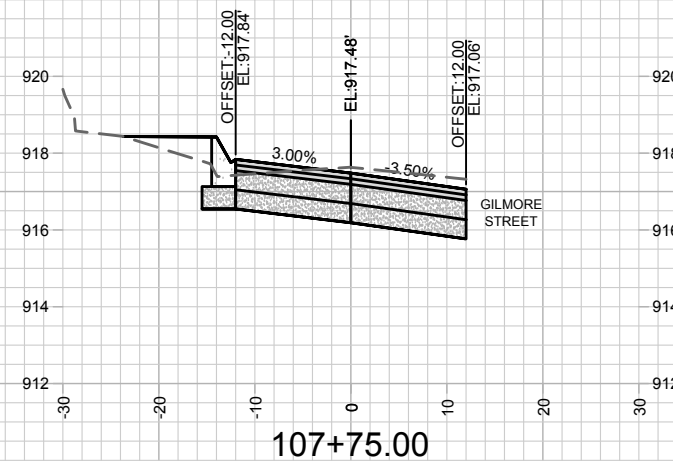
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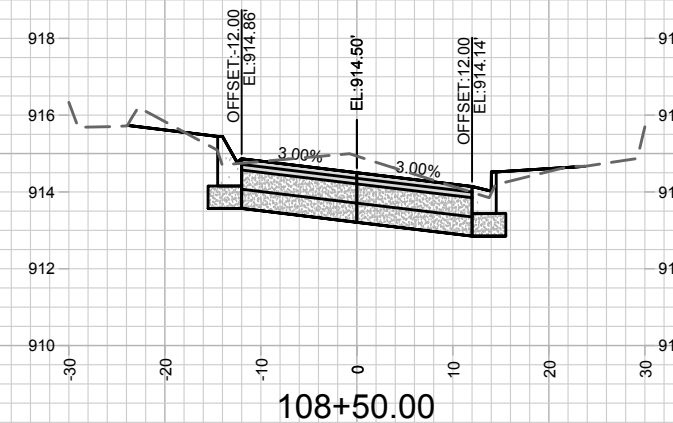
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107+00.00

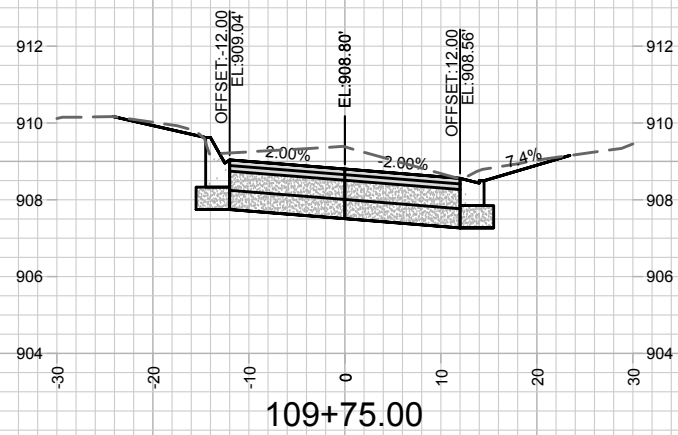


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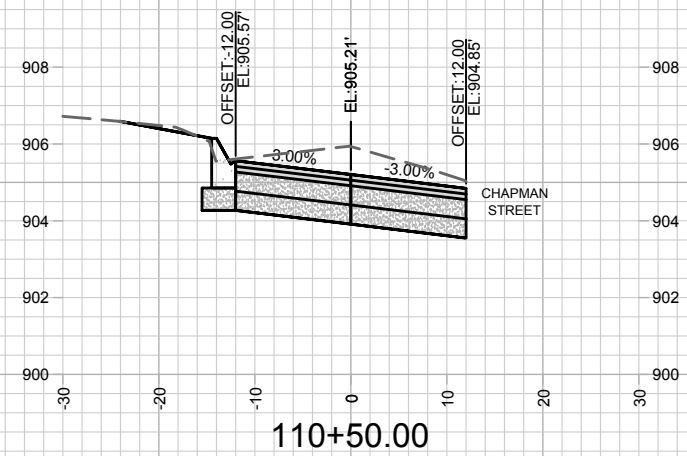


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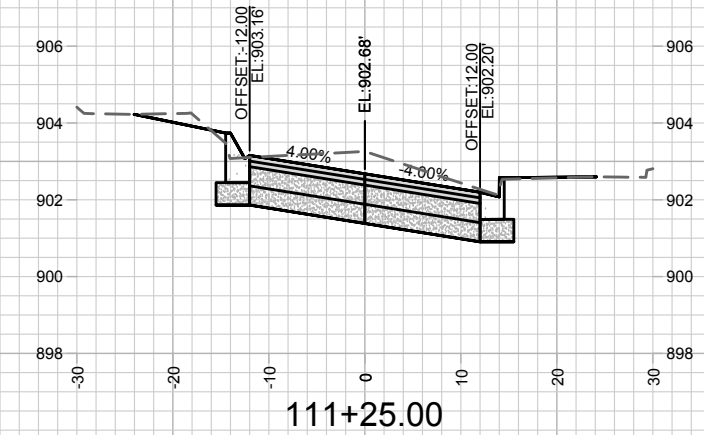
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<p>CROSS SECTION - GREGORY STREET</p>		
<p>GREGORY ST, COPLAND ST, &amp; WESTERN AVE RECON. MADISON, WI</p>		
<p>M:\DESIGN\Projects\11188\1188\Civil 3D\CAD\Plan Sheets\11188_X-Sheets - Gregory Street.dwg</p>		<p>CONTRACT NO: 8501</p>
<p>MARK: ...</p>	<p>REVISION: ...</p>	<p>DATE: ...</p>
<p>Designed By: FBEG Date: 2/19/2020 10:22 AM</p>		<p>Scale: 1" = 20'</p>
<p>11188</p>		<p>X-4</p>



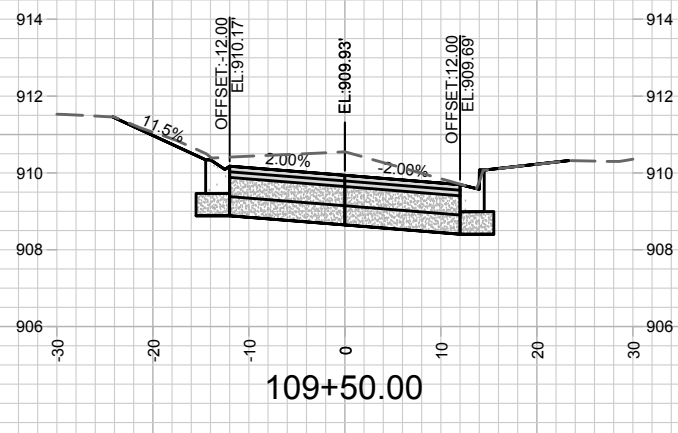
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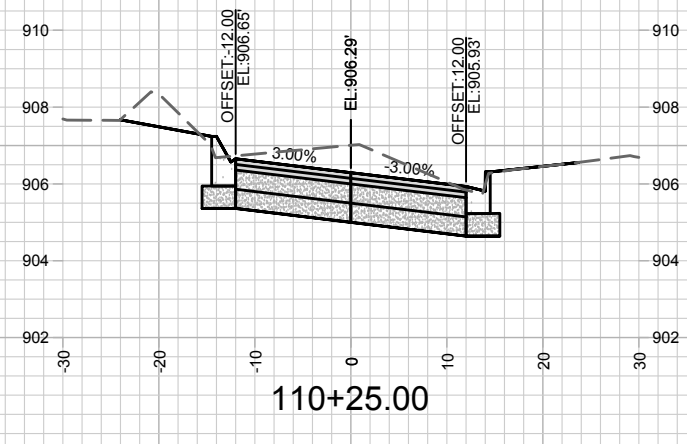
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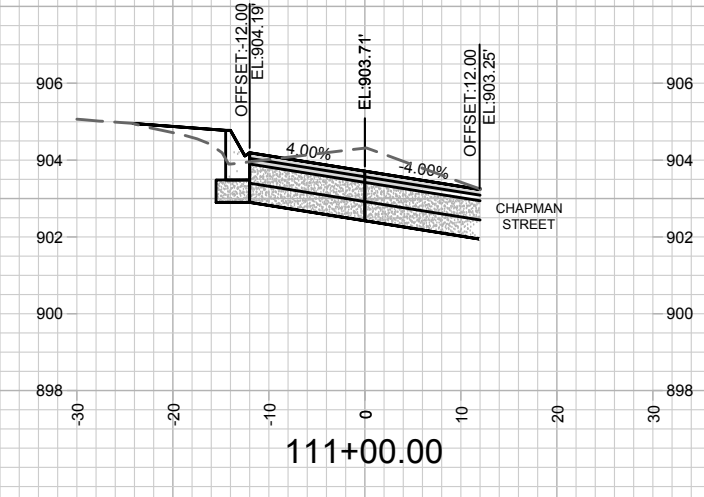
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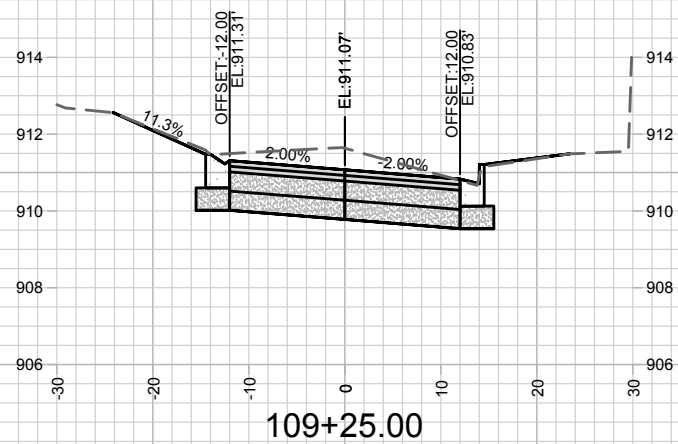
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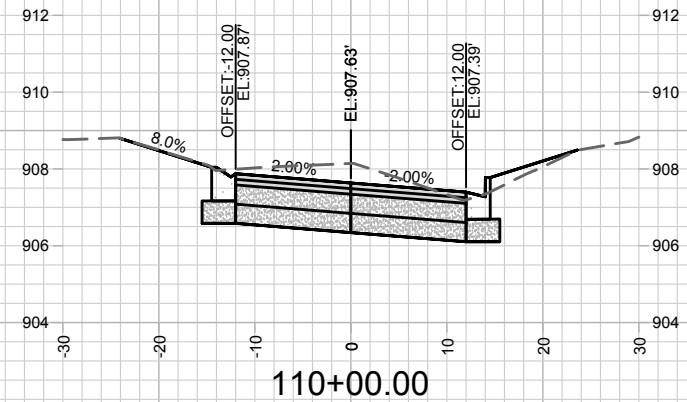
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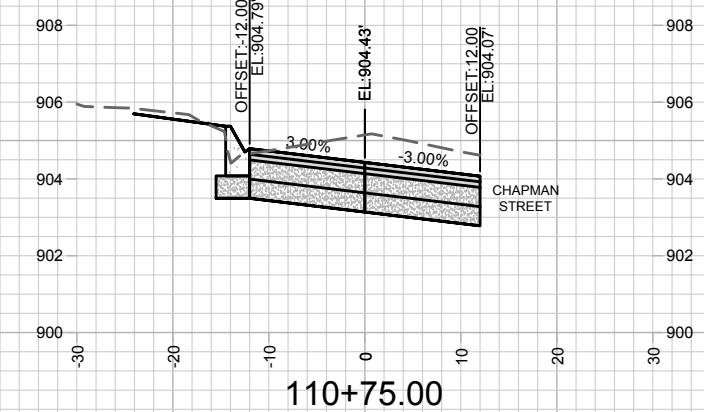
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110+00.00

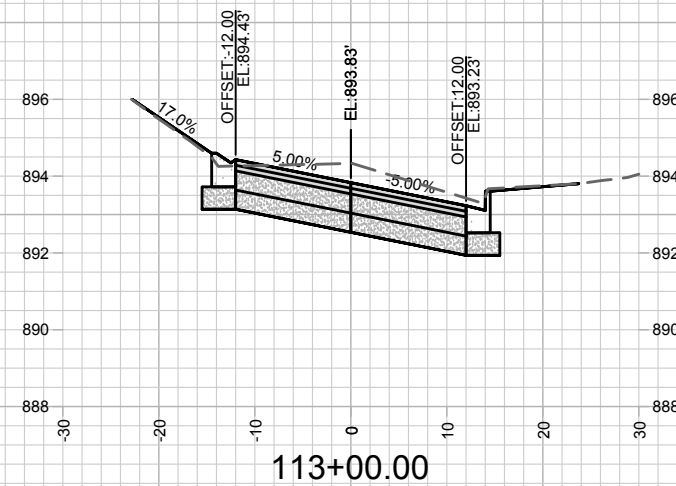
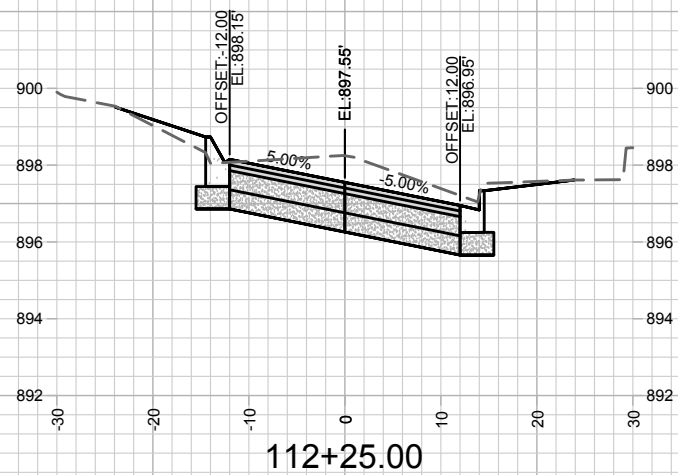
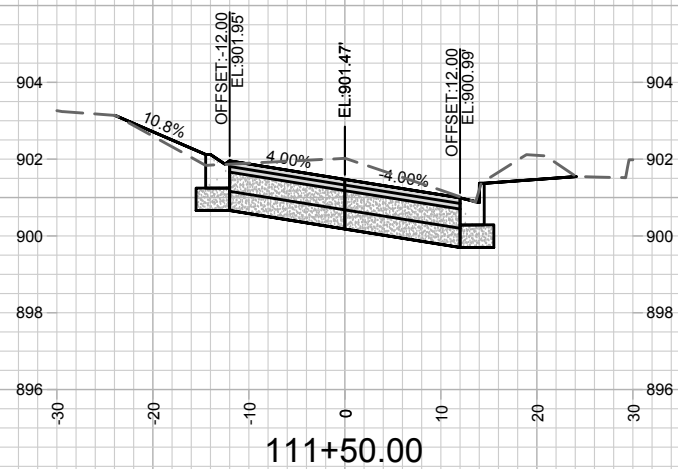
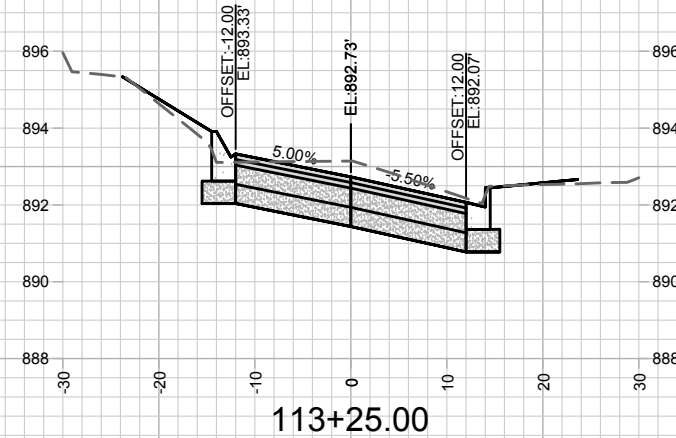
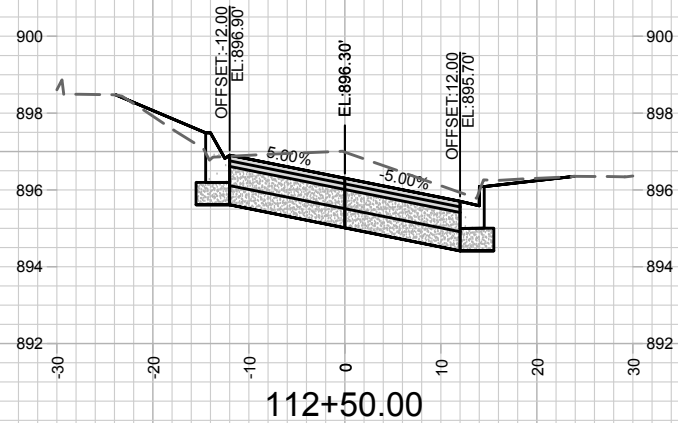
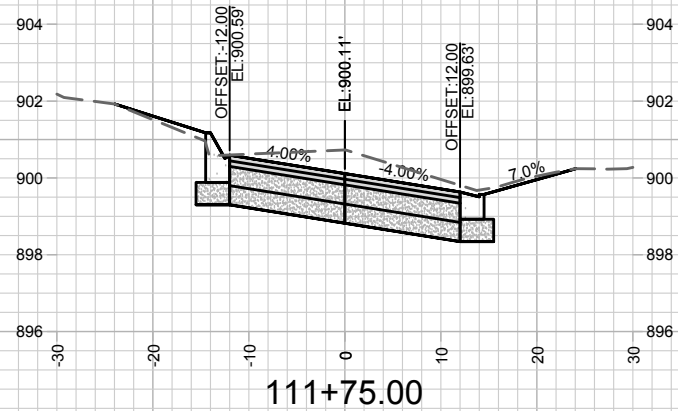
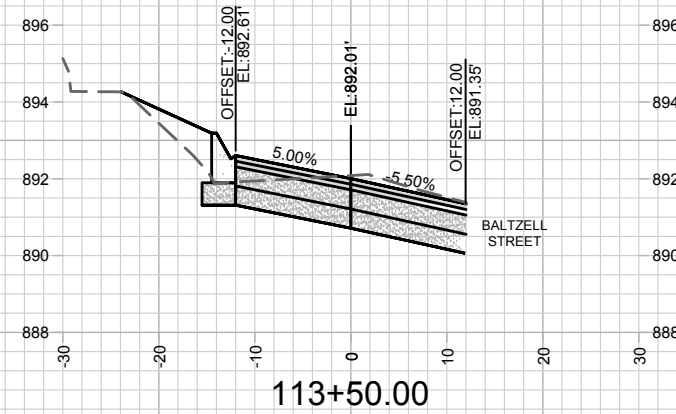
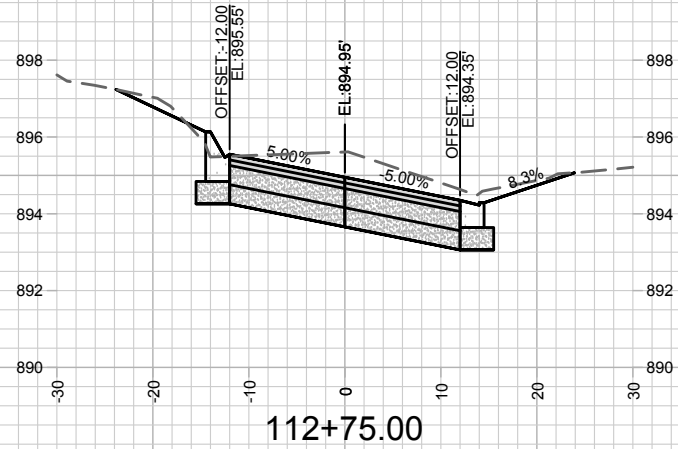
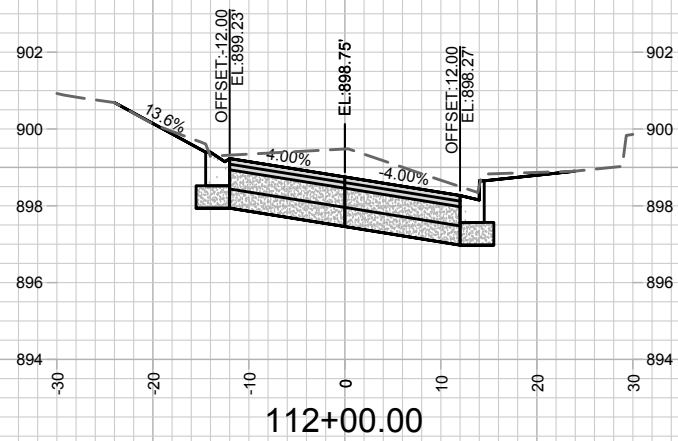


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Scale: 1" = 20'			X-5

11188  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
 CONTRACT NO: 8501

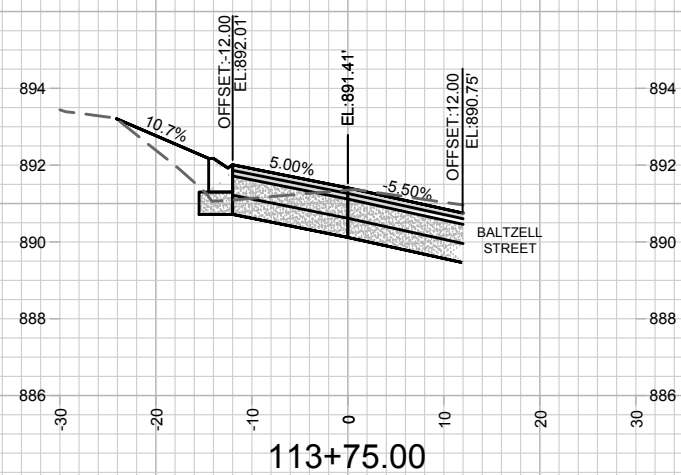
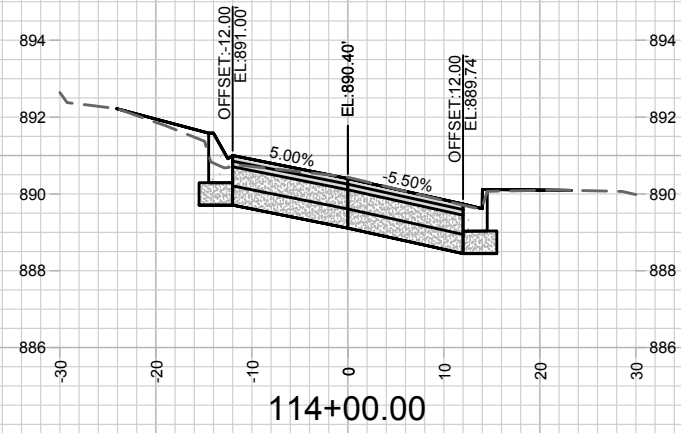




MARK	REVISION	DATE	BY
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11188  
 GREGORY ST, COPLAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
 CONTRACT NO: 8501

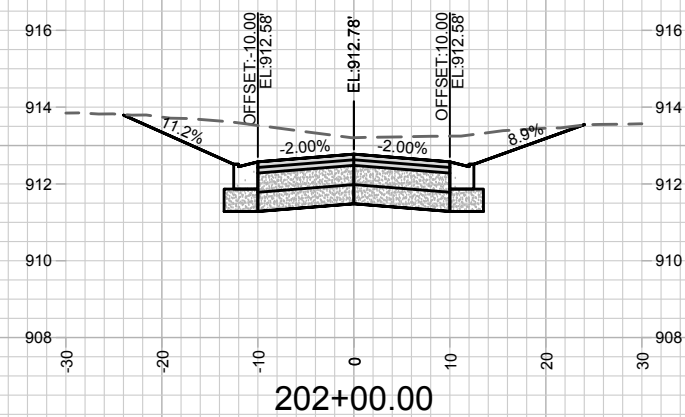
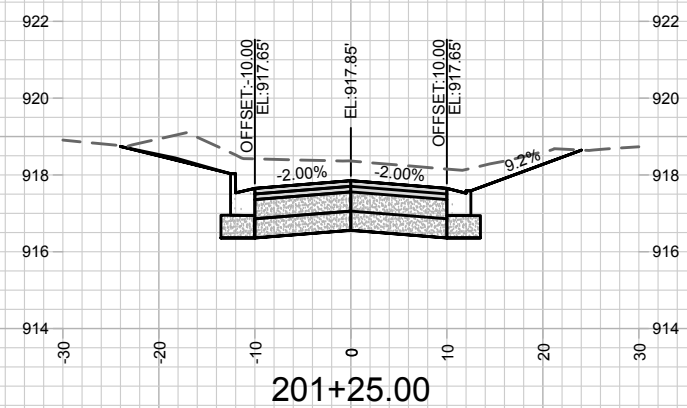
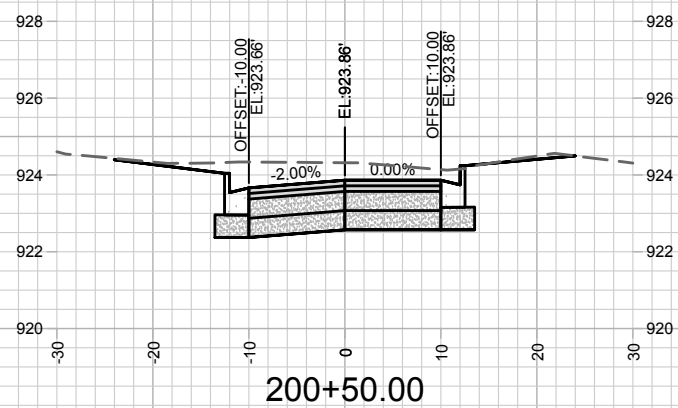
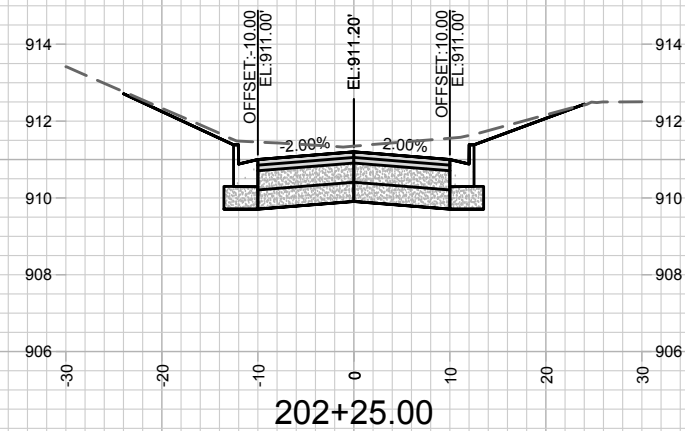
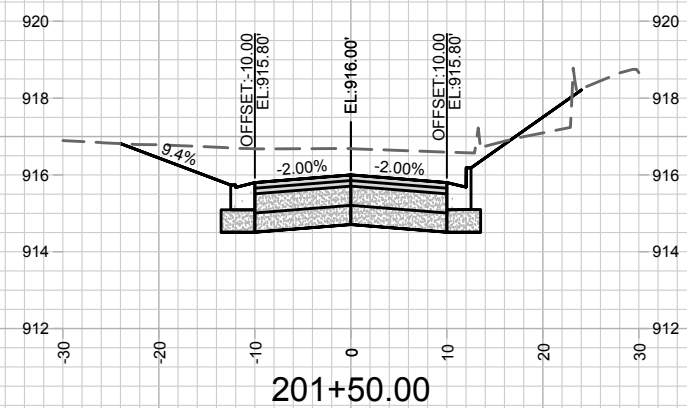
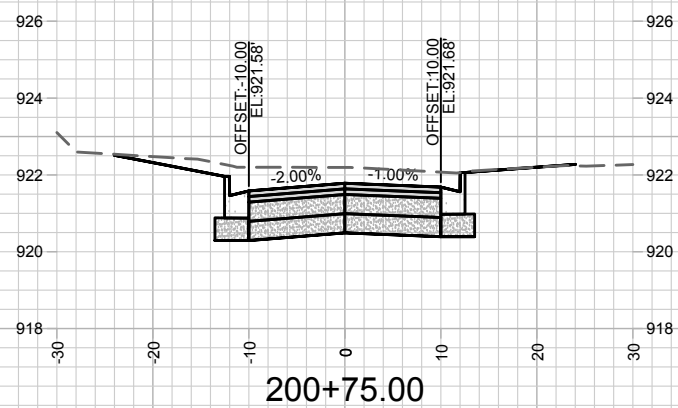
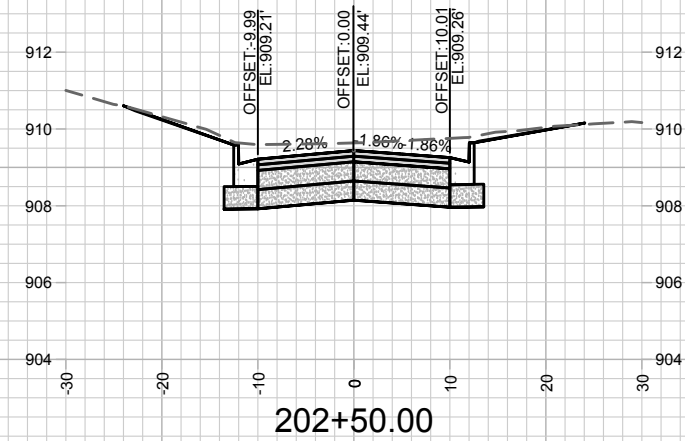
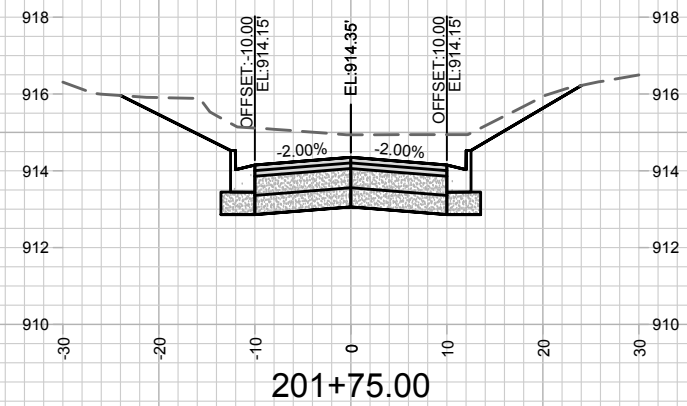
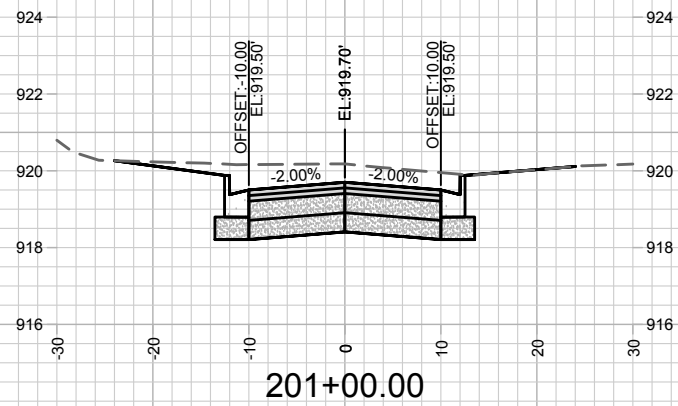




11188  
X-7

CROSS SECTION - GREGORY STREET  
 GREGORY ST, COPLAND ST, & WESTERN AVE RECON. MADISON, WI  
 M:\DESIGN\Projects\11188\Civil 3D\CAD\Plan Sheets\11188\_X-Sheets - Gregory Street.dwg CONTRACT NO: 8501

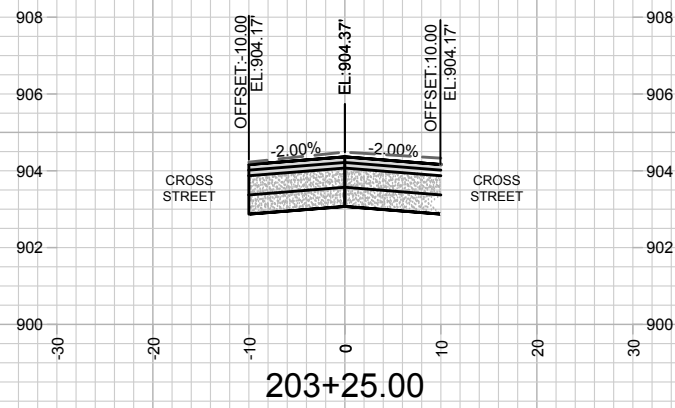
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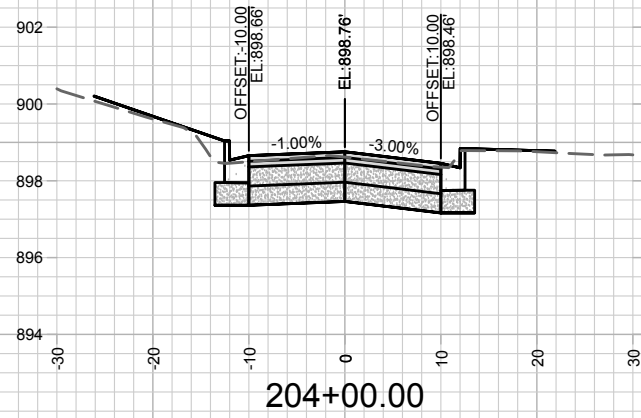
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11188  
 MADISON, WI  
 GREGORY ST, COPLAND ST, & WESTERN AVE RECON.  
 CONTRACT NO: 8501

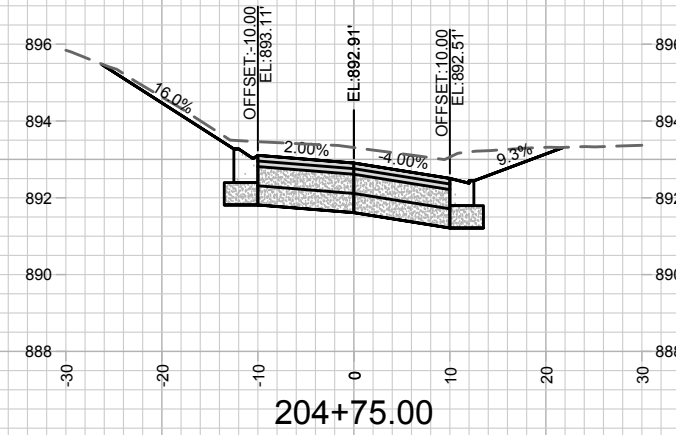




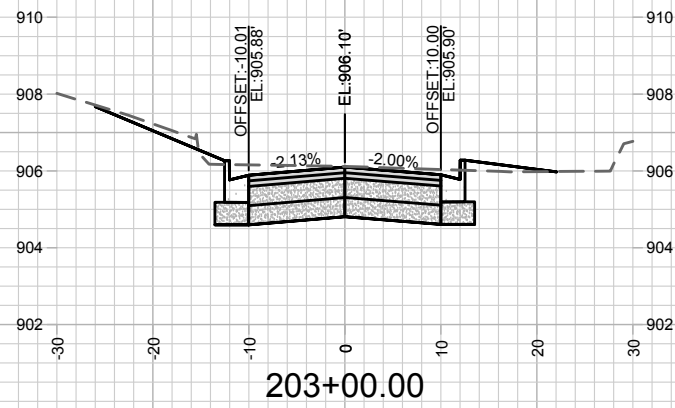
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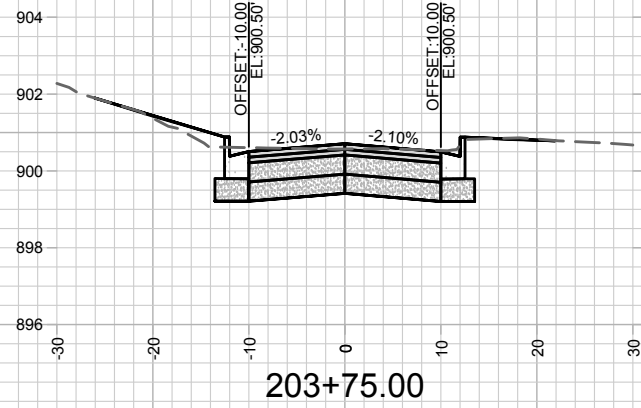
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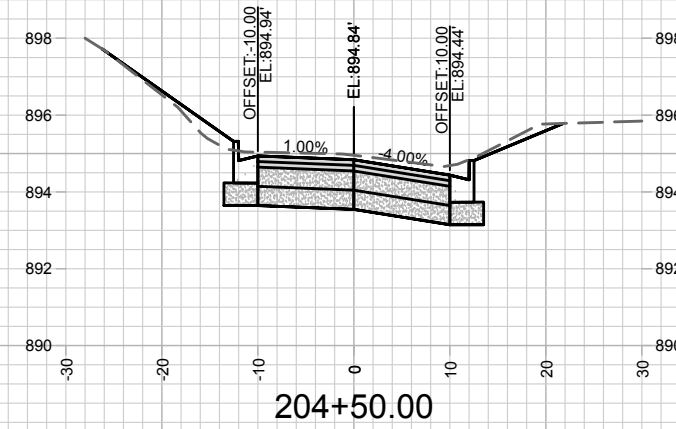
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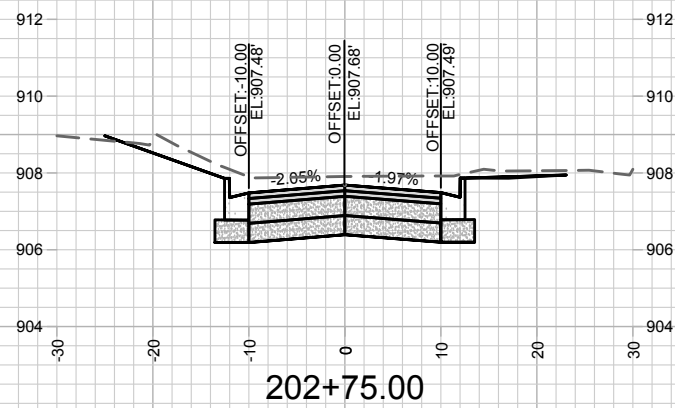
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203+75.00



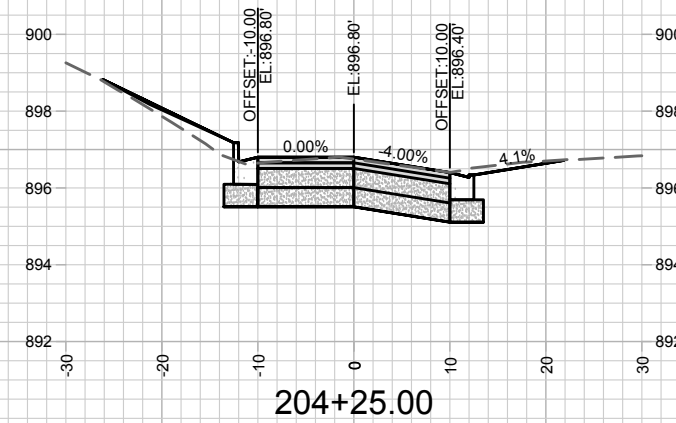
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202+75.00



203+50.00

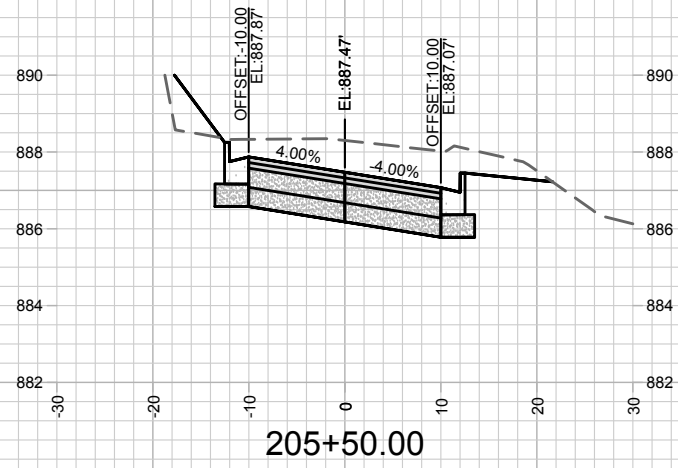


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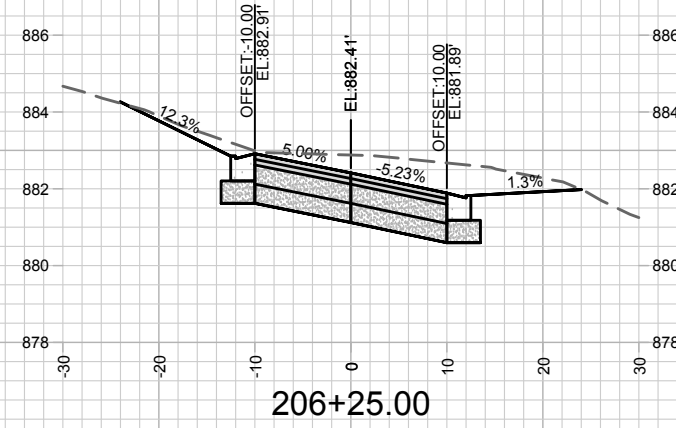
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 8501  
 CONTRACT NO:  
 COPOLAND STREET  
 MADISON, WI  
 GREGORY ST, COPOLAND ST, & WESTERN AVE RECON.

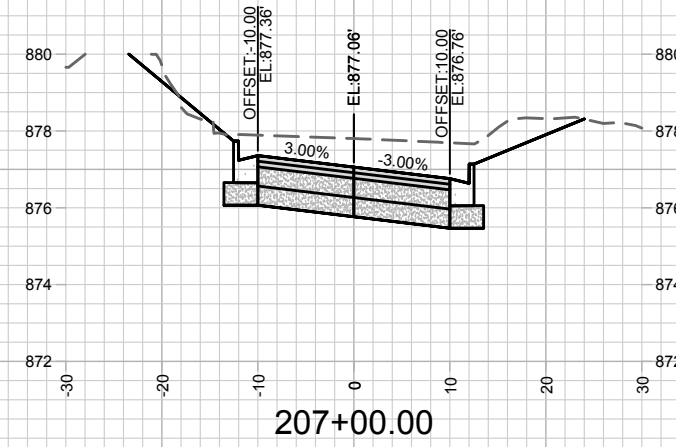




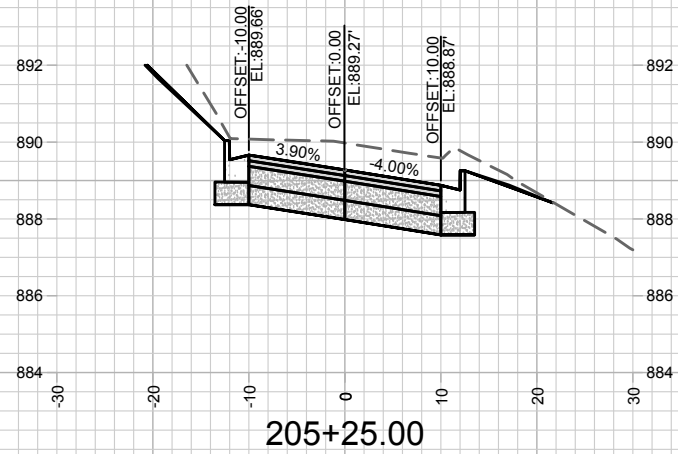
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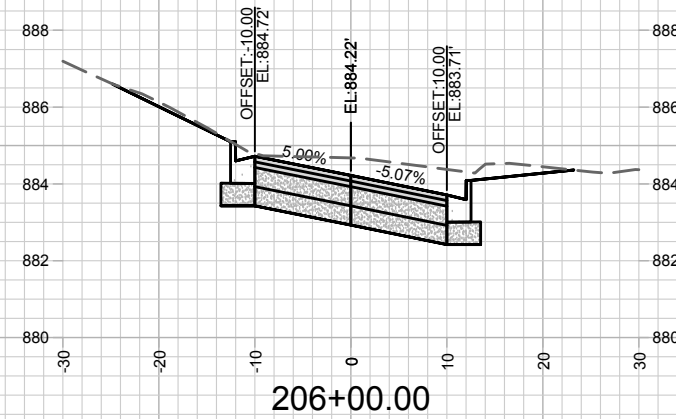
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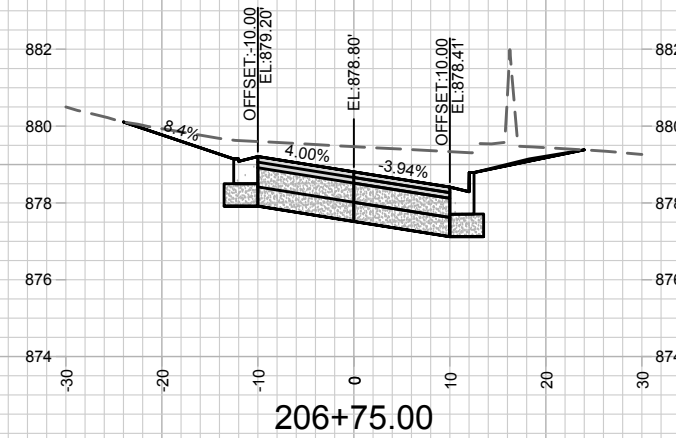
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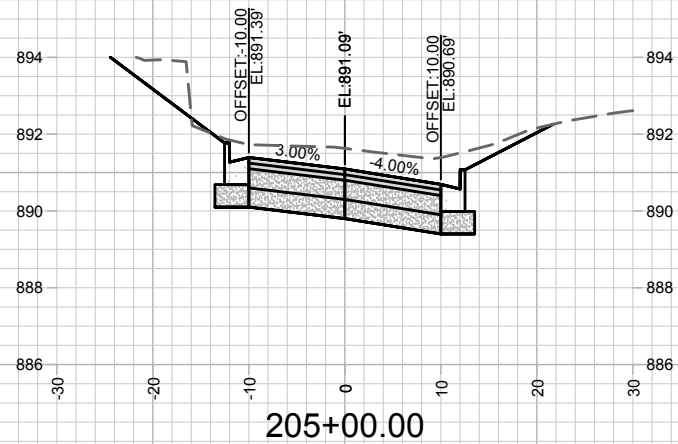
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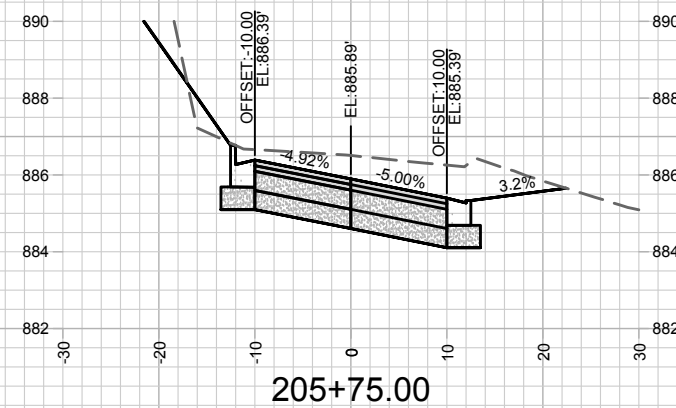
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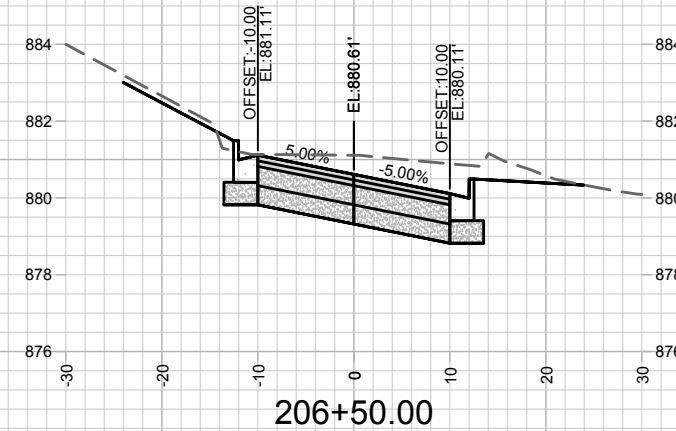
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205+00.00



205+75.00



206+50.00

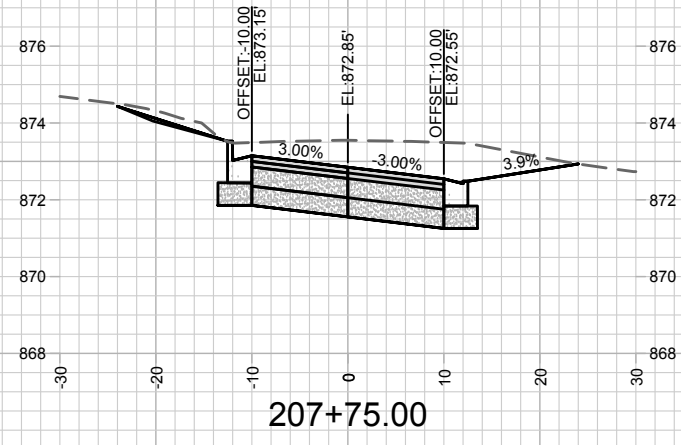
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Scale: 1" = 20'			X-10

11188  
MADISON, WI  
8501

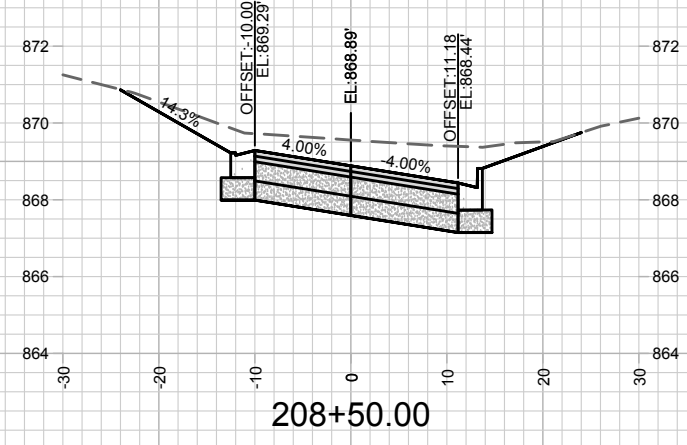
CROSS SECTION - COPELAND STREET  
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
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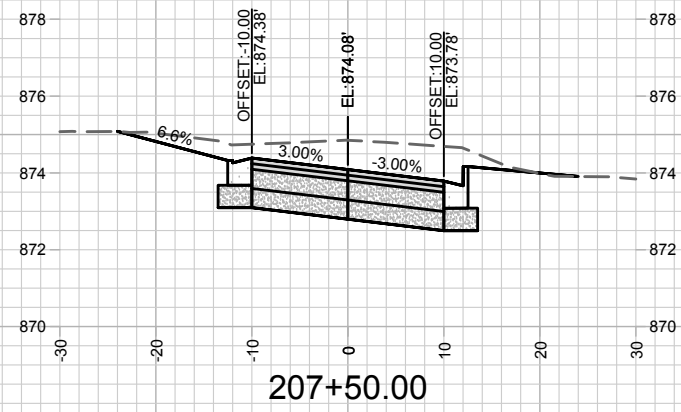
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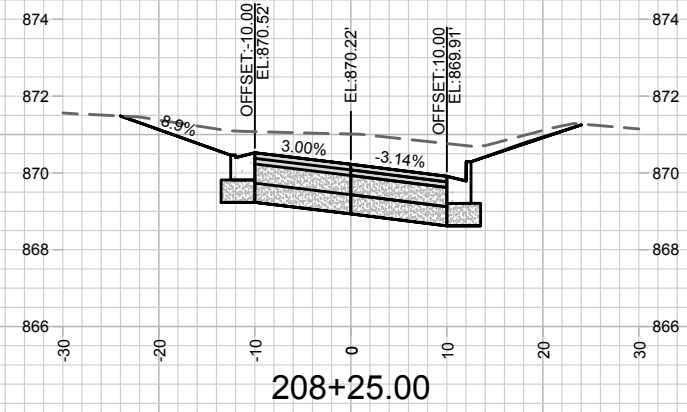
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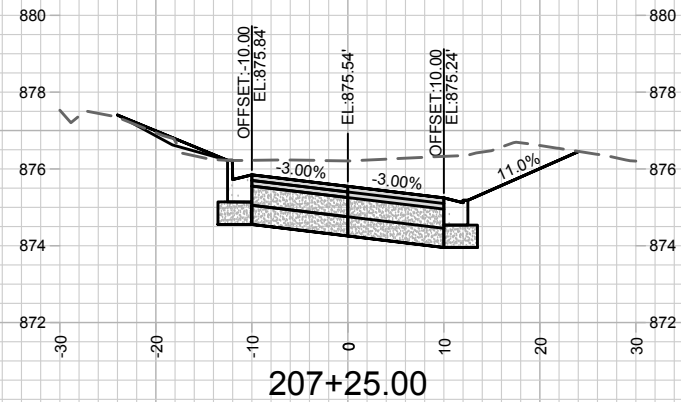
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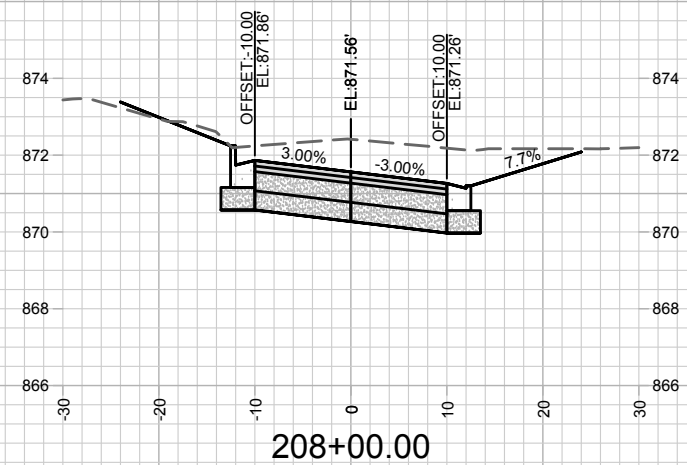
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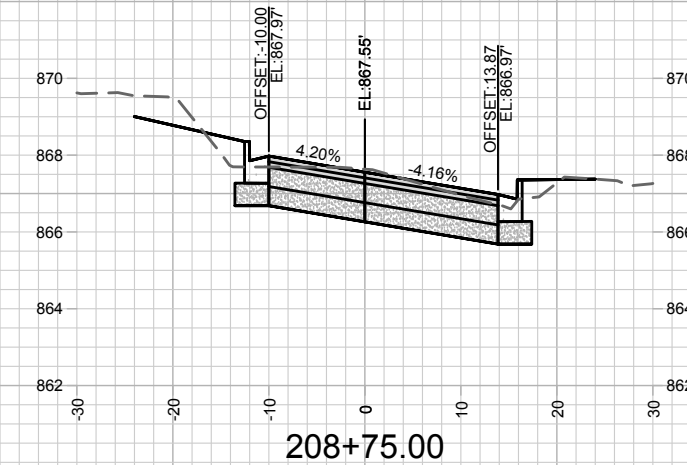
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207+25.00



208+00.00



208+75.00

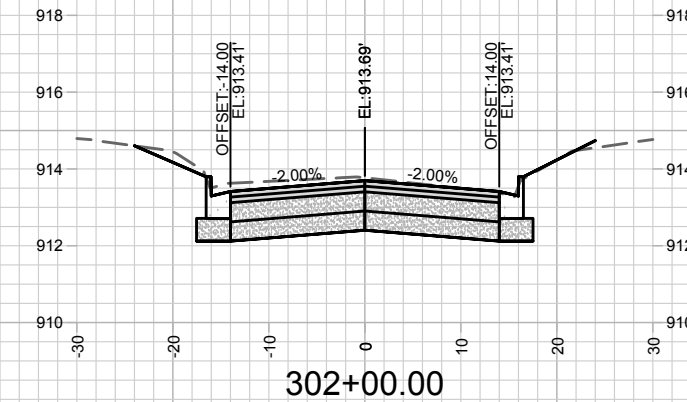
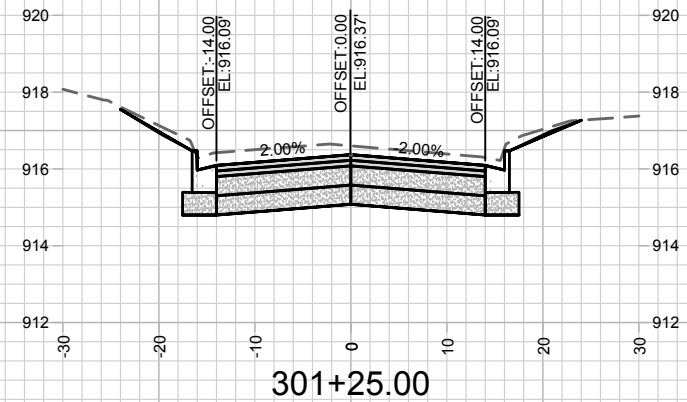
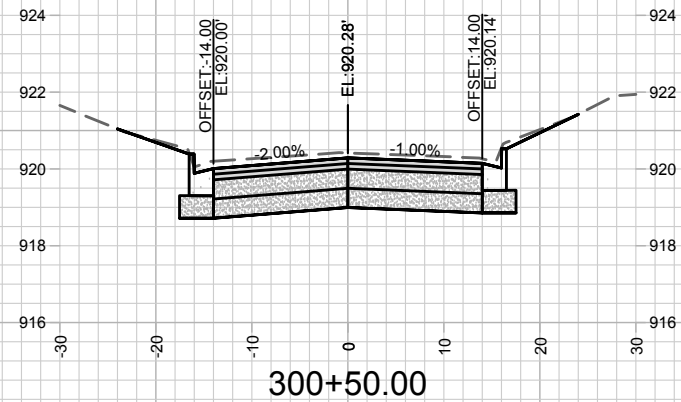
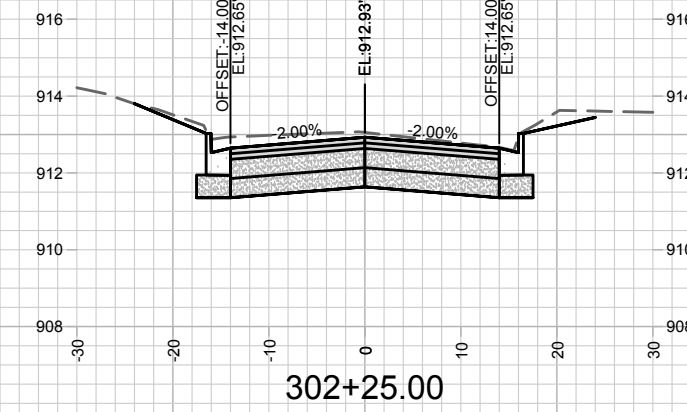
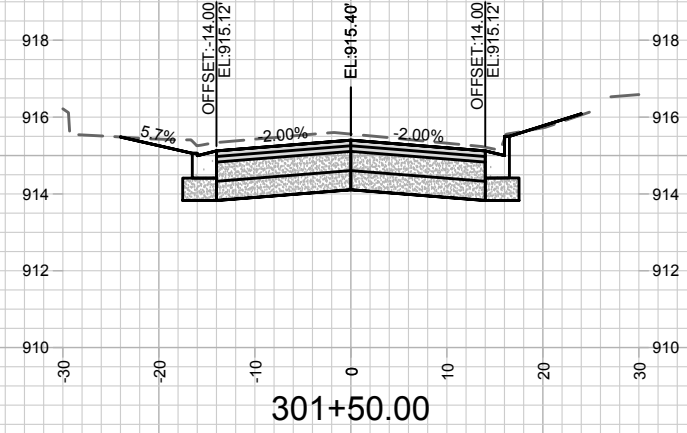
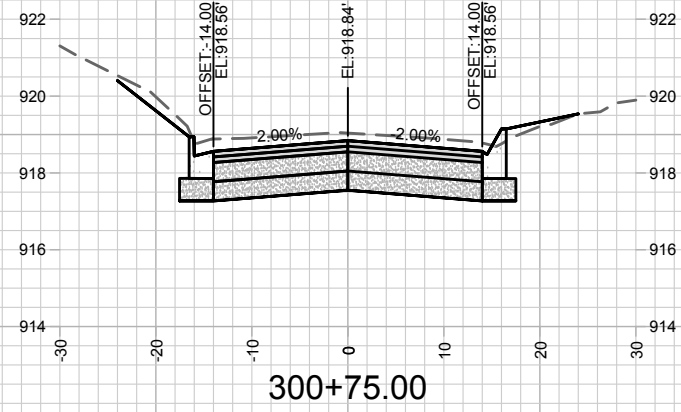
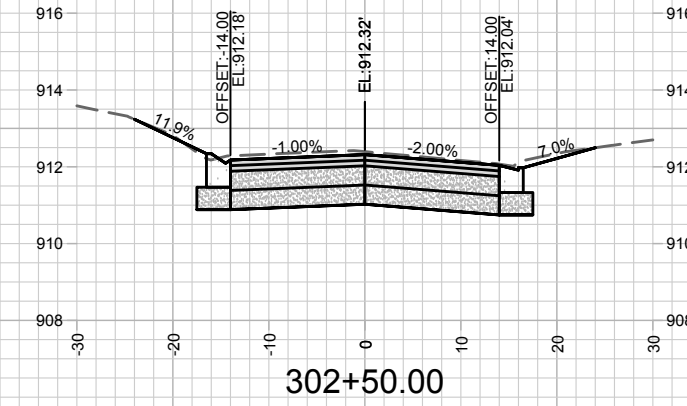
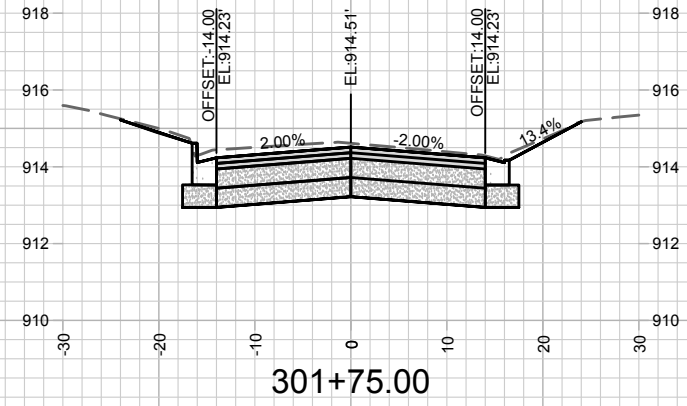
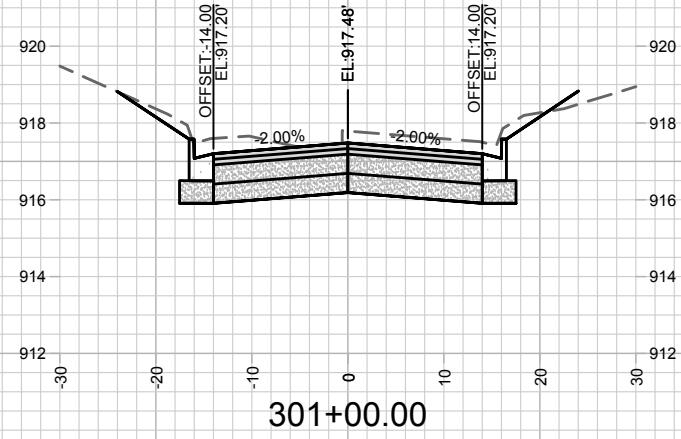
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11188  
 CROSS SECTION - COPELAND STREET  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
 CONTRACT NO: 8501  
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11188  
 X-11





MARK	REVISION	DATE	BY
11188	Designed By: FBEG	Date: 2/19/2020 10:23 AM	Scale: 1" = 20'
11188			X-12

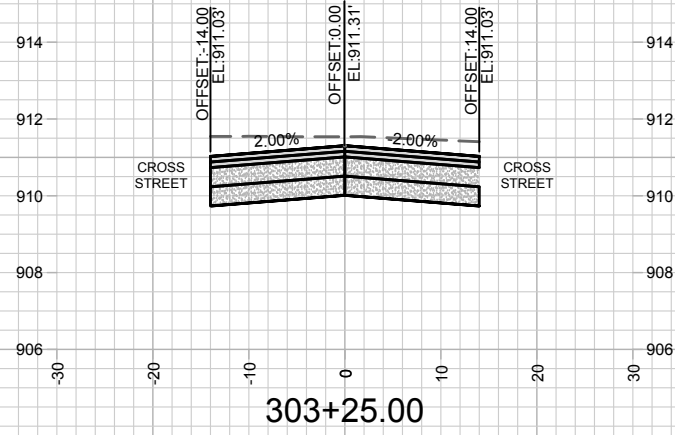
11188  
 MADISON, WI  
 GREGORY ST, COPELAND ST, & WESTERN AVE RECON.  
 CONTRACT NO.: 8501



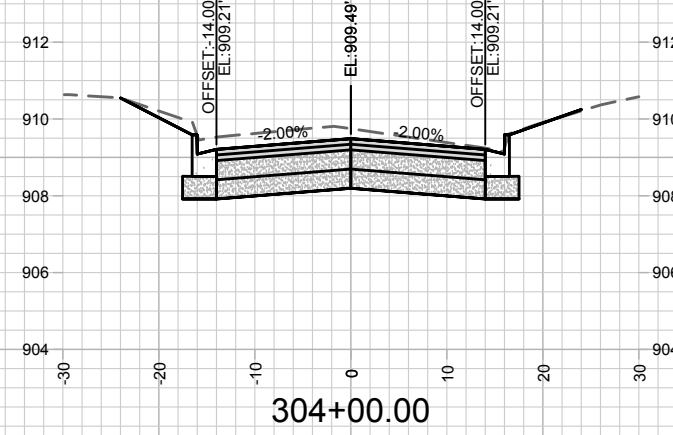
11188  
 X-12

CROSS SECTION - WESTERN AVENUE

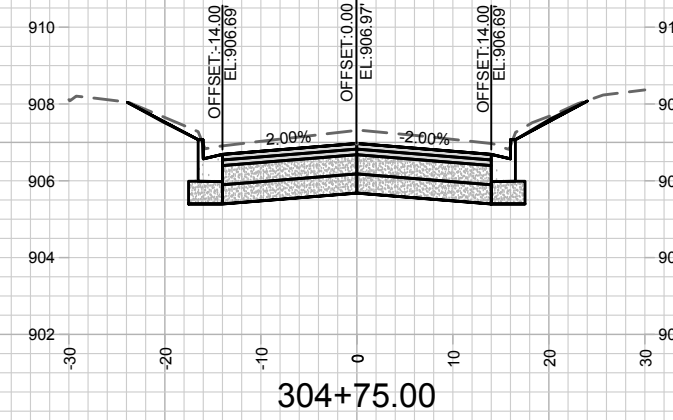
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303+25.00



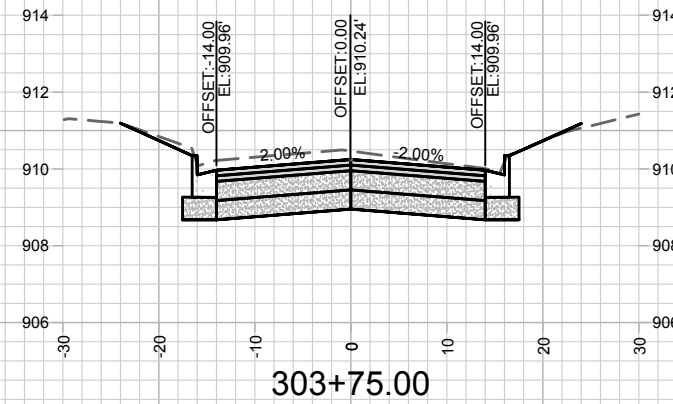
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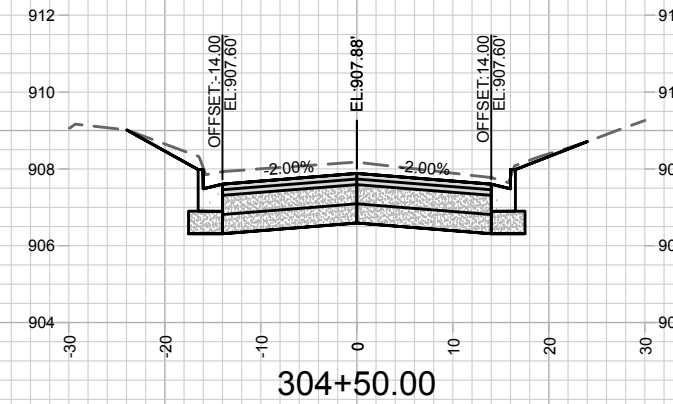
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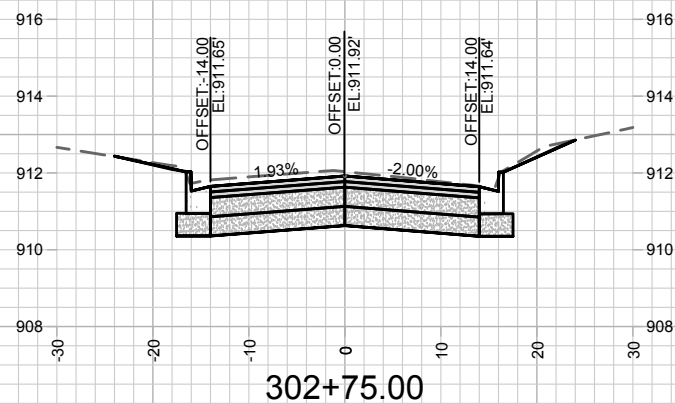
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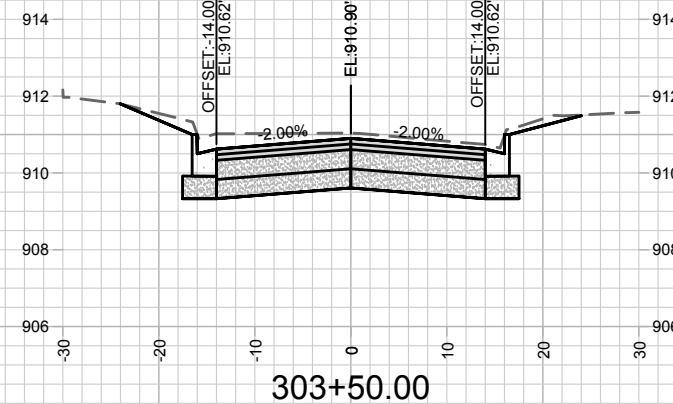
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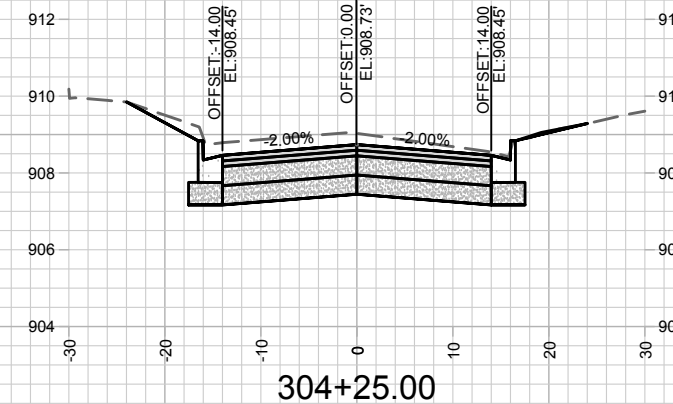
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302+75.00



303+50.00

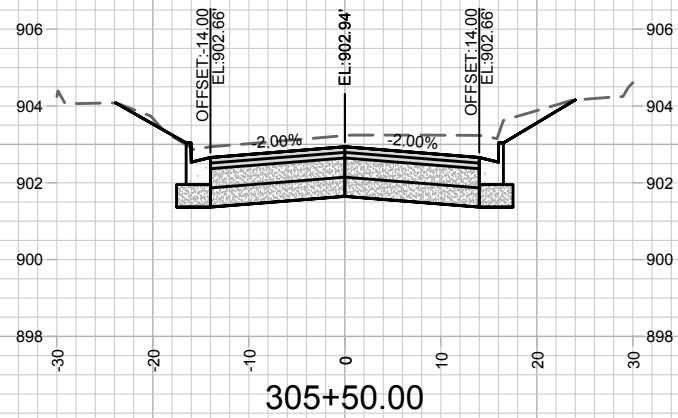


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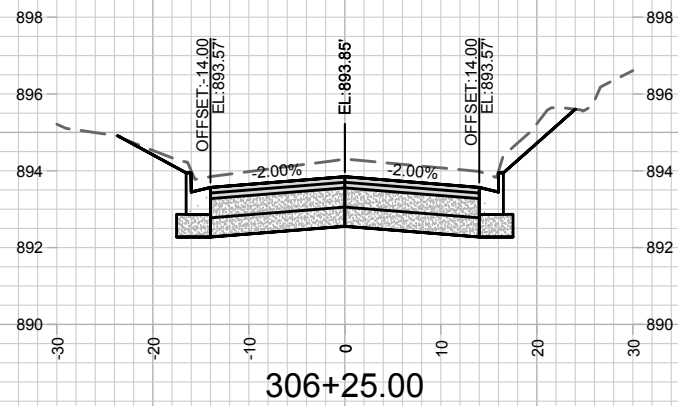
MARK	REVISION	DATE	BY
11188	Designed By: FBEG	2/19/2020 10:23 AM	Scale: 1" = 20'
11188	11188	8501	X-13

11188  
 GREGORY ST, COPLAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
 CONTRACT NO: 8501

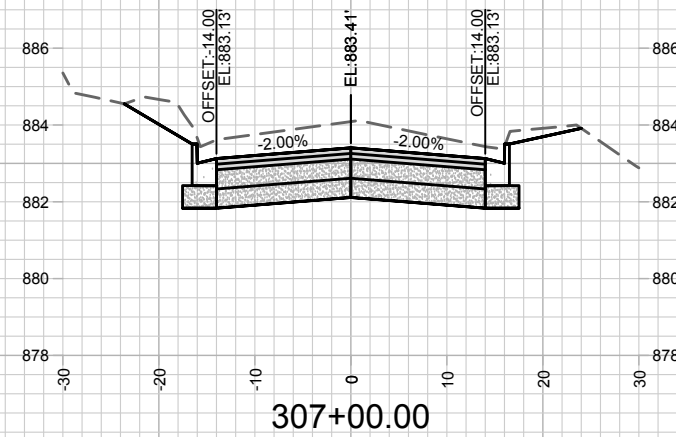




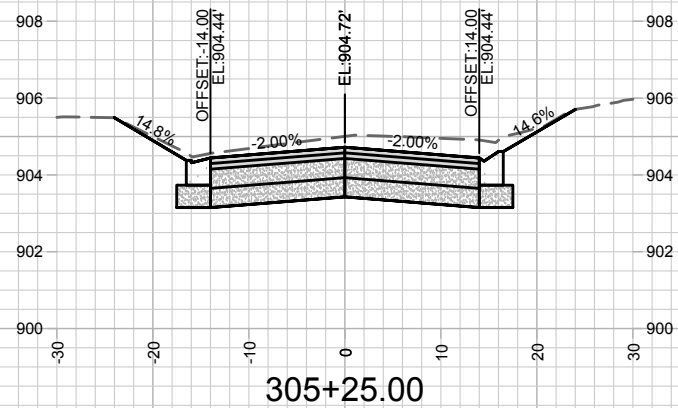
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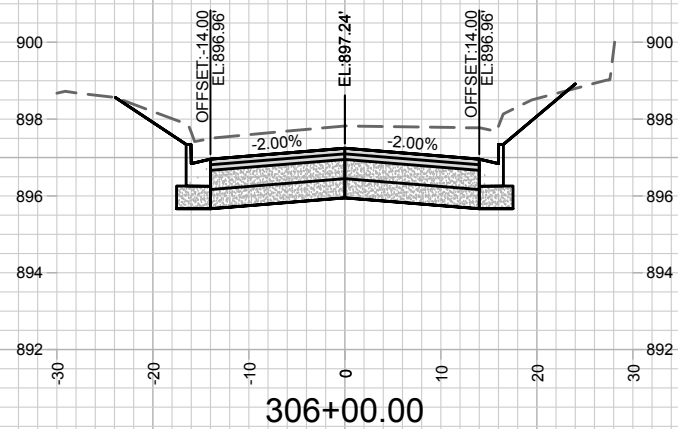
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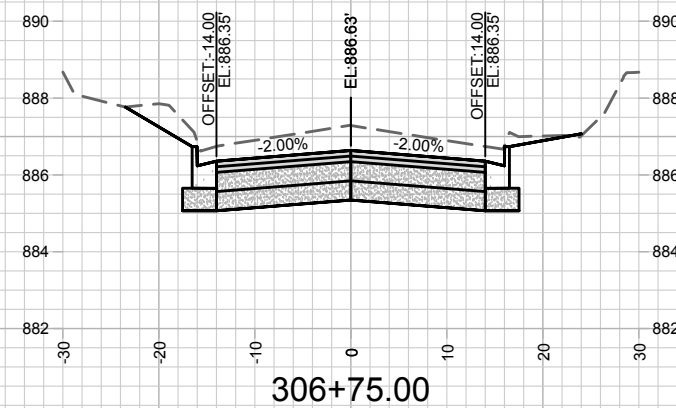
307+00.00



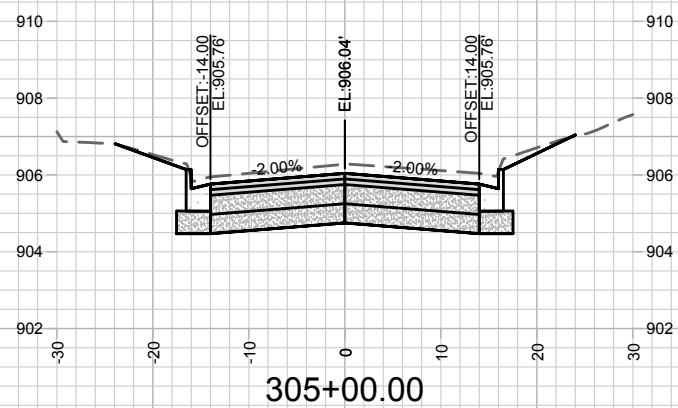
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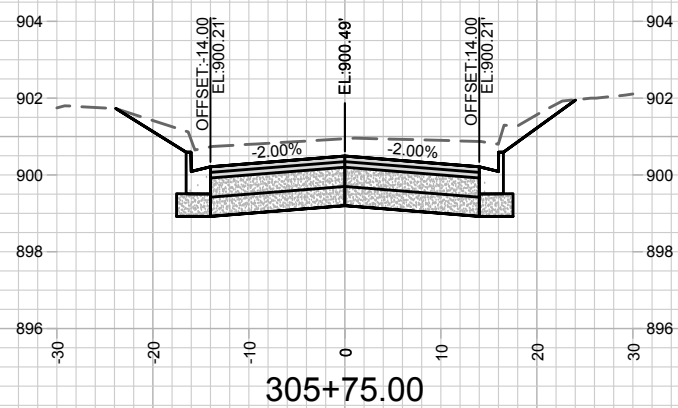
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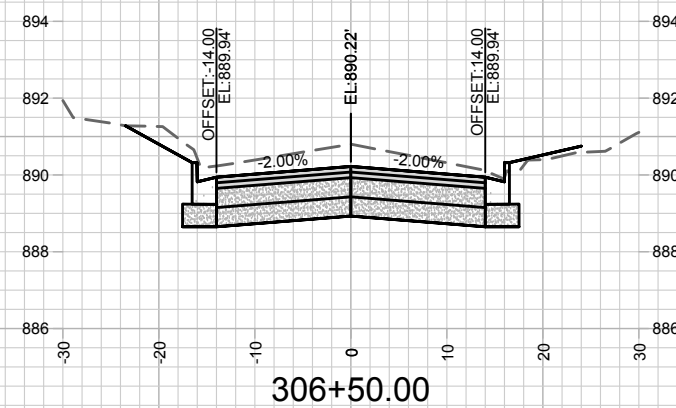
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305+00.00



305+75.00

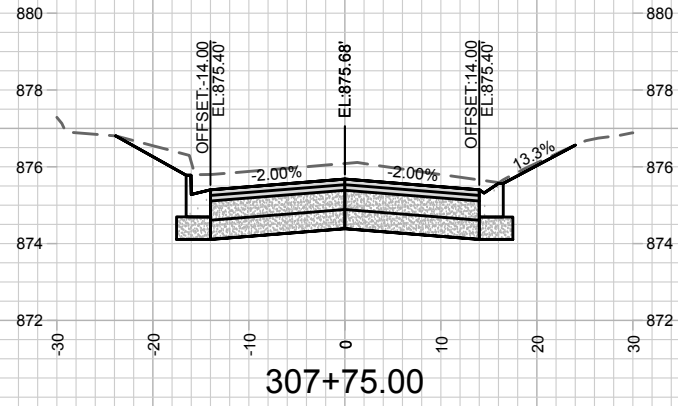


306+50.00

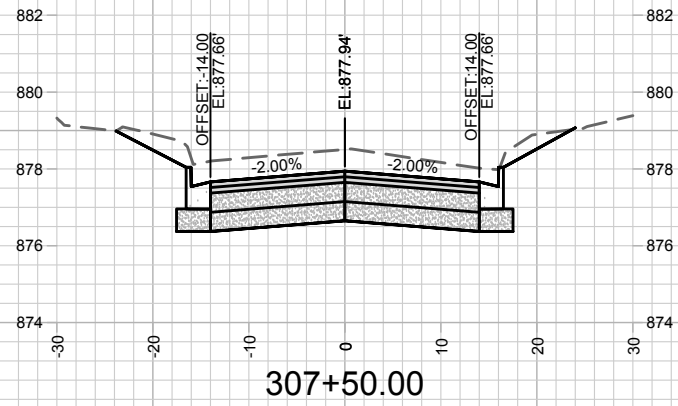
MARK	REVISION	DATE	BY
11188	Designed By: FBEG	2/19/2020 10:23 AM	Scale: 1" = 20'
CONTRACT NO: 8501			X-14

11188  
 MADISON, WI  
 GREGORY ST, COPELAND ST, & WESTERN AVE RECON.  
 11188  
 Western Avenue.dwg  
 CONTRACT NO: 8501

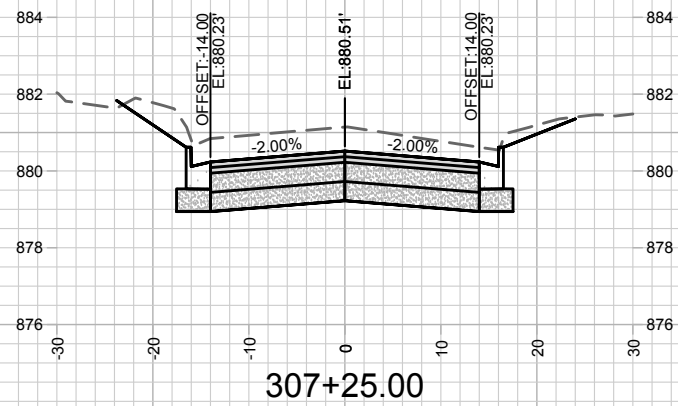




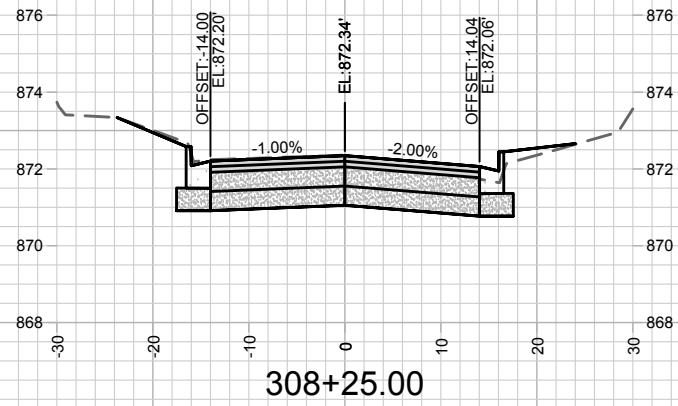
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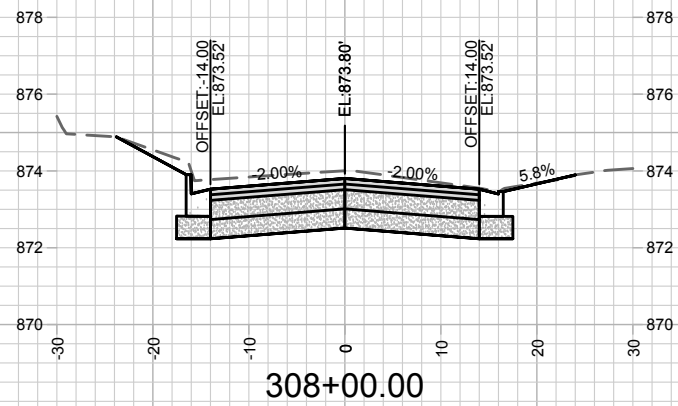
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307+25.00



308+25.00

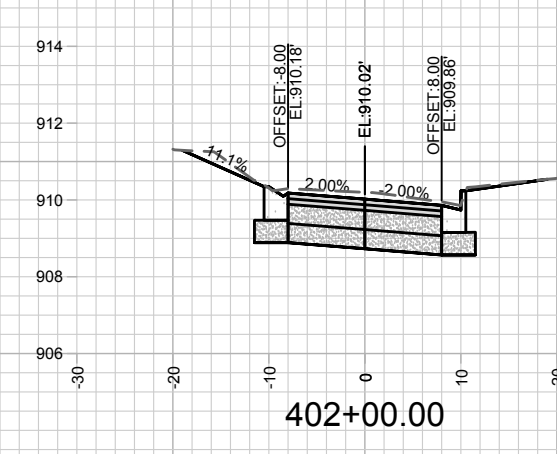
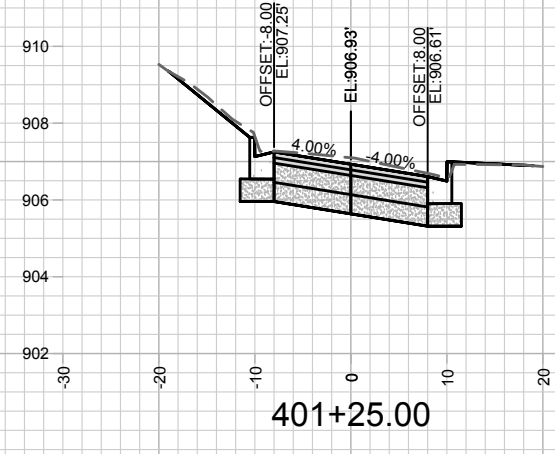
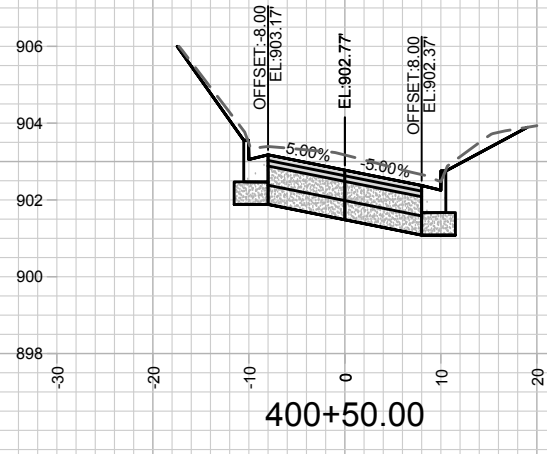
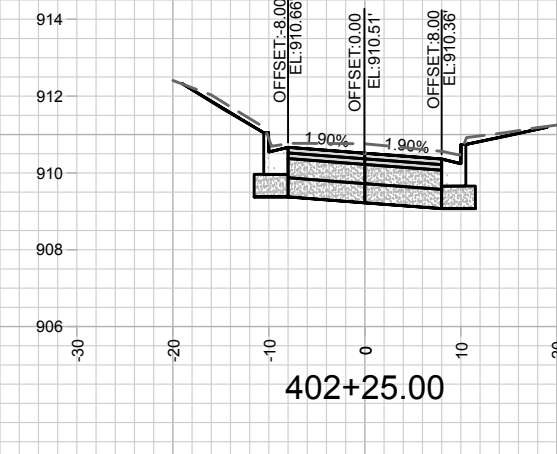
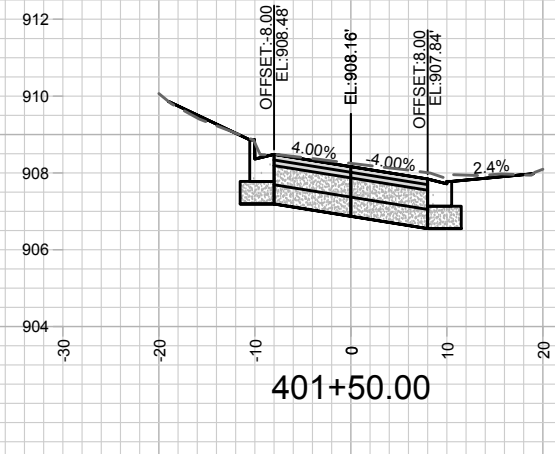
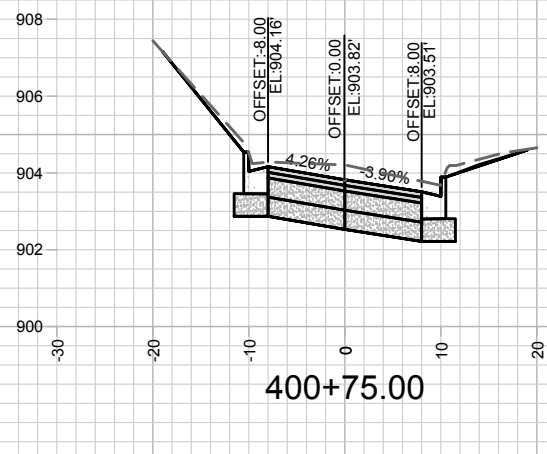
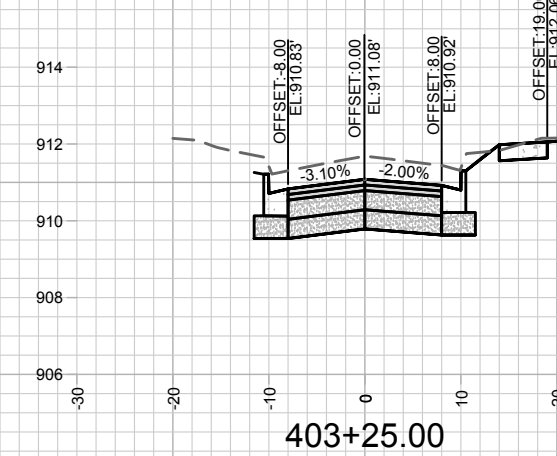
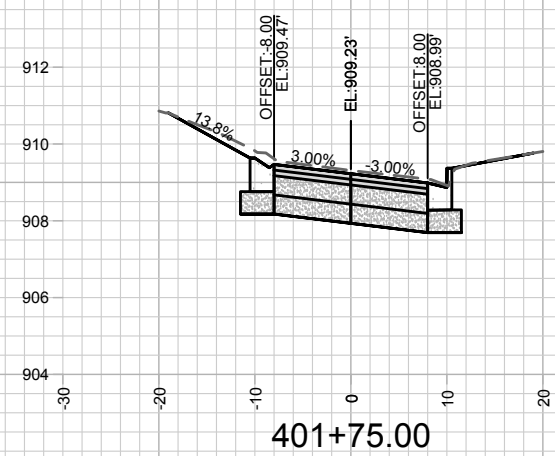


308+00.00

MARK	REVISION	DATE	BY
11188	2/19/2020 10:23 AM		
Designed By: FBEG		Scale: 1" = 20'	

11188  
 CROSS SECTION - WESTERN AVENUE  
 GREGORY ST, COPLAND ST, & WESTERN AVE RECON. MADISON, WI  
 M:\DESIGN\Projects\11188\11188 Civil 3D\CAD\Plan Sheets\11188\_X-Sheets - Western Avenue.dwg CONTRACT NO: 8501

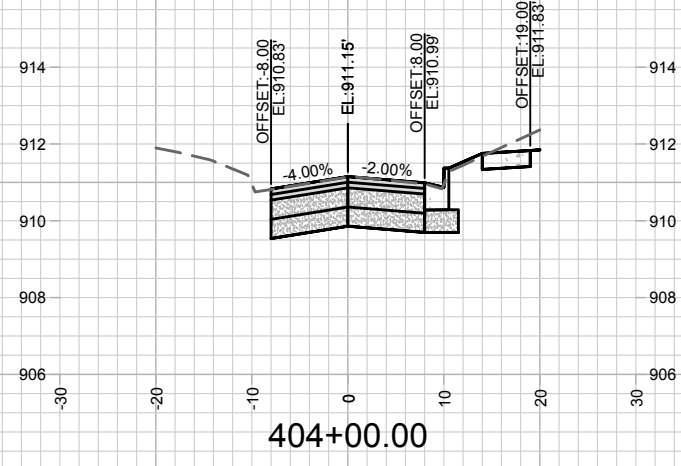




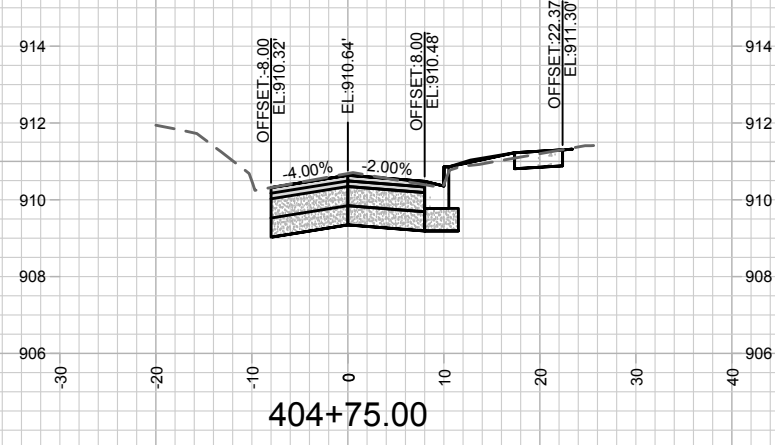
MARK	REVISION	DATE	BY
11188	Designed By: FBEG	2/19/2020 10:23 AM	

CROSS SECTION - CROSS STREET  
 11188  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
 M:\DESIGN\Projects\11188\1188\Civil 3D\CAD\Plan Sheets\11188\_X-Sheets - Cross Street.dwg  
 CONTRACT NO.: 8501

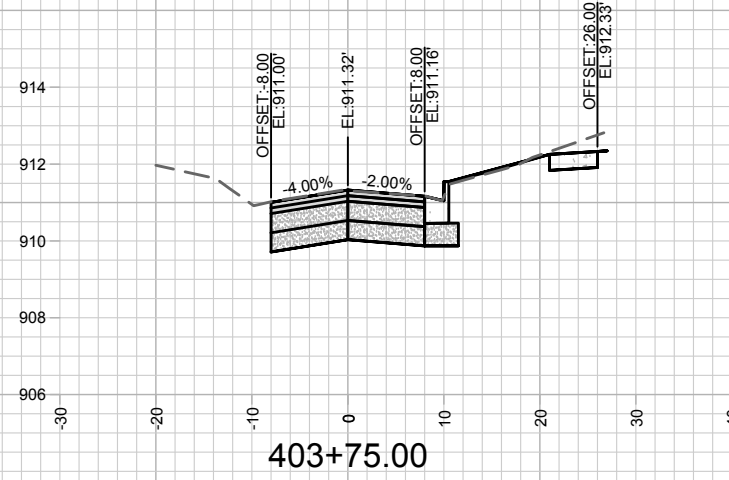
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 X-16



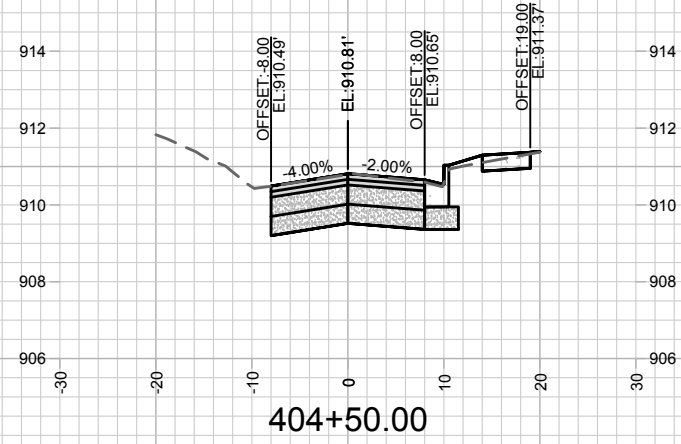
404+00.00



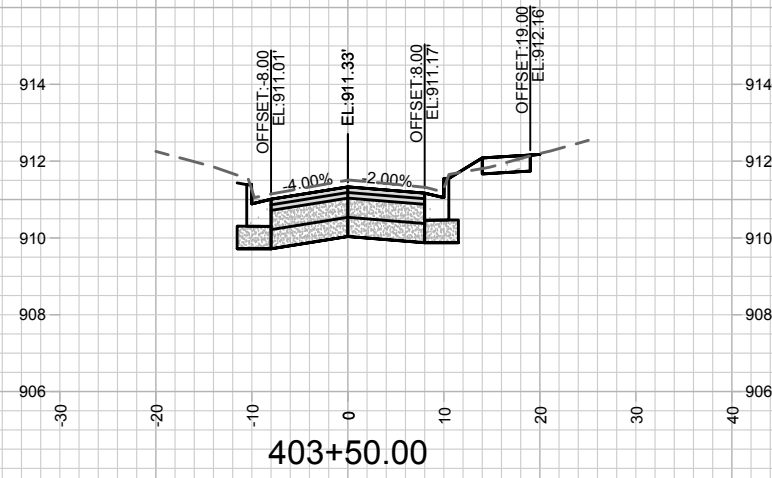
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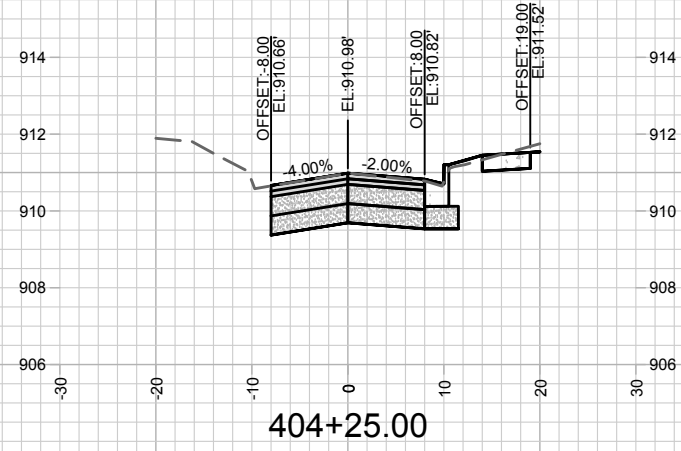
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404+50.00



403+50.00

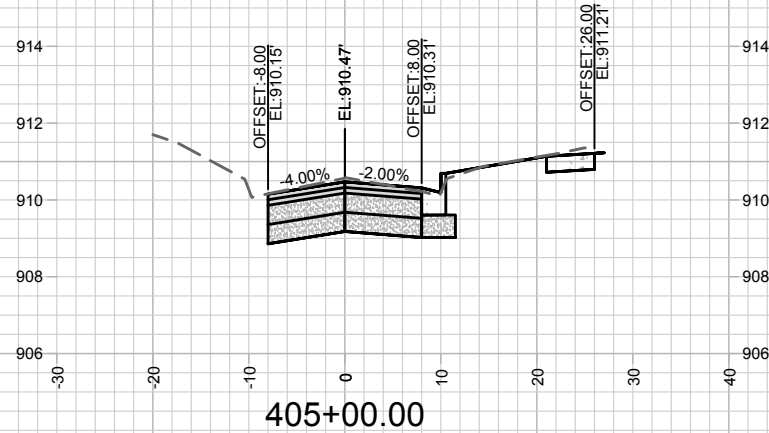
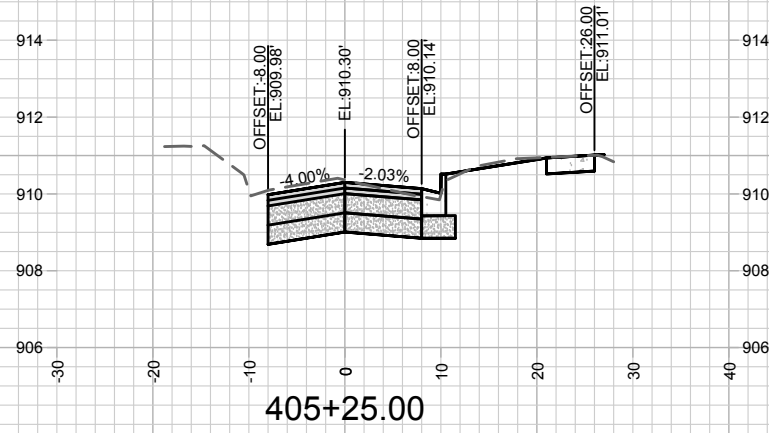


404+25.00

MARK	REVISION	DATE	BY
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11188			X-17

CROSS SECTION - CROSS STREET  
 11188  
 GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON.  
 MADISON, WI  
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 CONTRACT NO: 8501





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CROSS SECTION - CROSS STREET

11188  
GREGORY ST, CROSS ST, COPELAND ST, & WESTERN AVE RECON. MADISON, WI

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MARK	REVISION	DATE	BY
11188	2/19/2020 10:23 AM		
Designed By: FBEG	Date: 2/19/2020 10:23 AM	Scale: 1" = 20'	X-18