

Madison, Wisconsin

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USTM	STORM SEWER SCHEDULE
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# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

## SHEBOYGAN AVENUE AND SEGOE ROAD

### ASSESSMENT DISTRICT - 2024

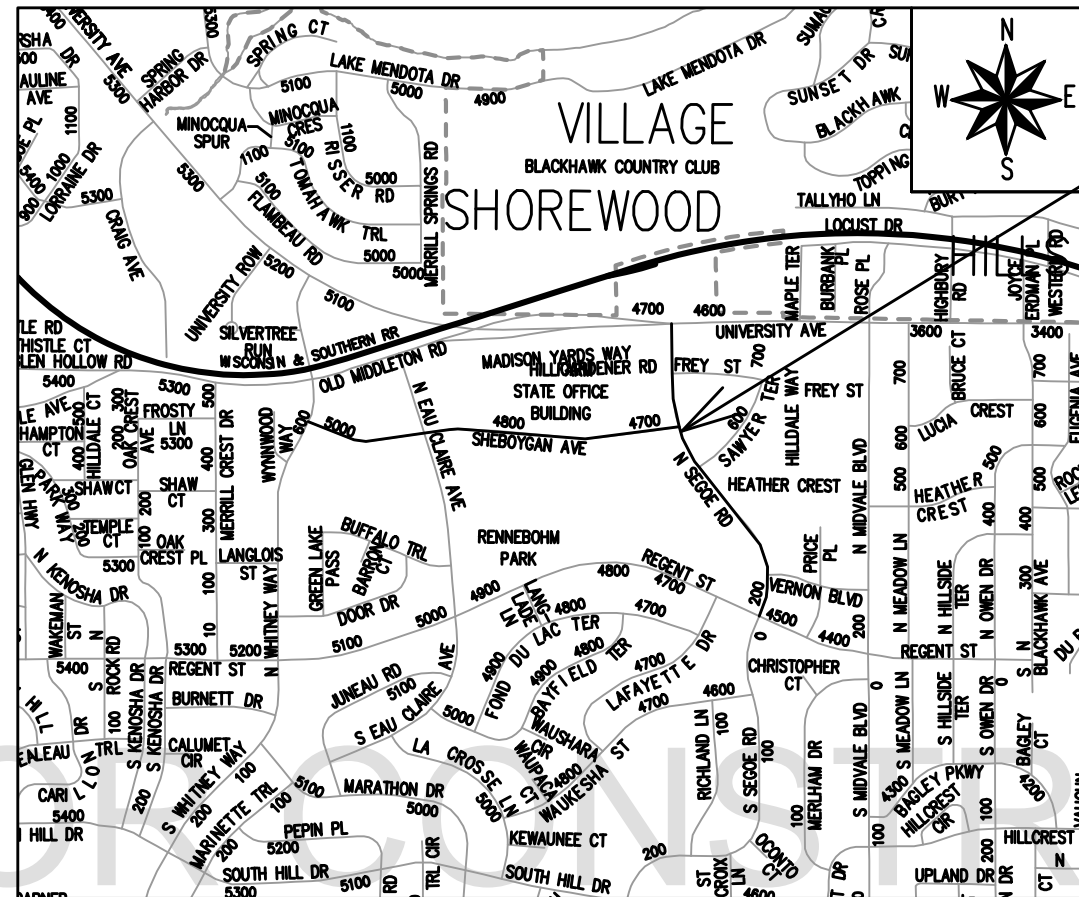
CITY PROJECT NO. 14215  
CONTRACT NO. 8693

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%.



PROJECT LOCATION

GEOMETRY DESIGNED BY:

PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

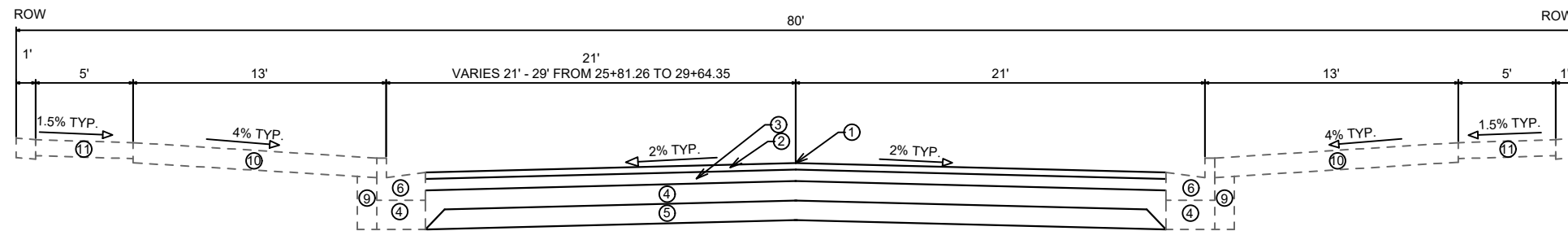
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City Engineer \_\_\_\_\_ Date \_\_\_\_\_

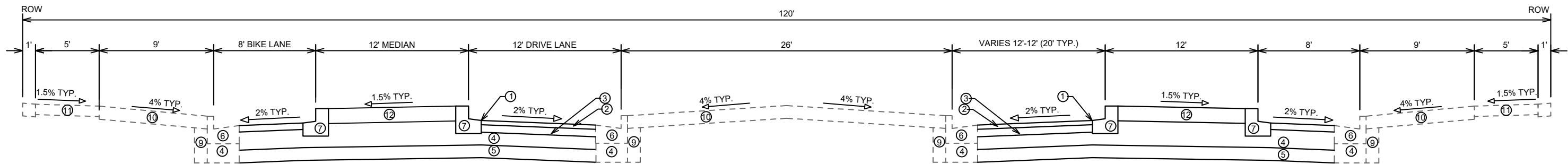
STREET DESIGNED BY:

STORM & SANITARY SEWER DESIGNED BY:

WATER DESIGNED BY:



TYPICAL SECTION  
SHEBOYGAN AVENUE  
STA 1+7.93 TO STA 9+73.72  
STA 12+25.00 TO STA 29+64.35



TYPICAL SECTION  
SEGOE ROAD  
INTERSECTION BUMP-OUTS TYPICAL

**SPECIAL NOTES:**

- TYPICAL SECTION NOT TO SCALE
- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS

- ① POINT REFERRED TO ON PROFILE
- ② 2.00" HMA PAVEMENT, TYPE 4 LT 58-28 S (UPPER LAYER)
- ③ 3.50" 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' REPLACEMENT AS NEEDED; SEE PLAN AND PROFILE SHEETS FOR LOCATIONS
- ⑦ CONCRETE CURB AND GUTTER TYPE 'E'
- ⑧ CONCRETE CURB AND GUTTER TYPE 'H'
- ⑨ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑩ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING BEHIND CURB REPLACEMENT ONLY
- ⑪ 5" CONCRETE SIDEWALK SPOT REPLACEMENT AS NEEDED, SEE PLAN AND PROFILE SHEETS FOR LOCATIONS
- ⑫ 7" CONCRETE MEDIAN
- ⑬ 12" CONCRETE MEDIAN SLAB. SEE ISLAND TYPICAL SECTION

NOT FOR CONSTRUCTION

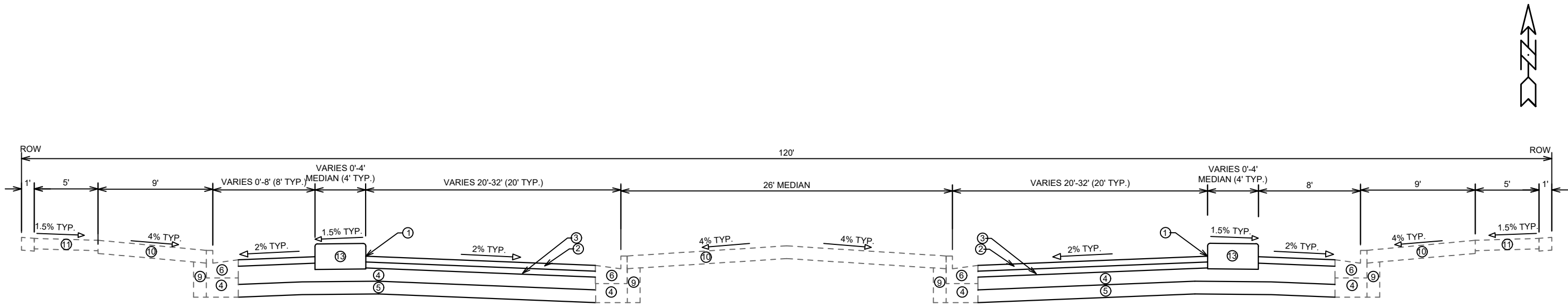
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MADISON, WI  
8693  
CONTRACT NO:

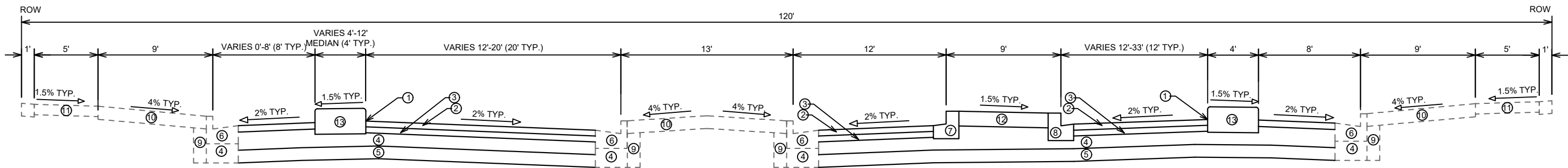
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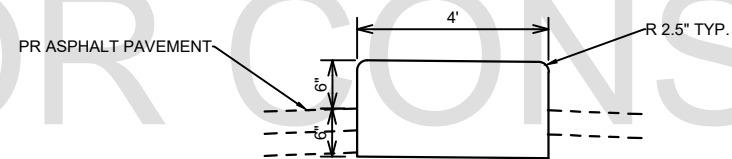
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 SEGOE ROAD  
 STA 106+08.44 TO STA 121+62.45  
 STA 122+62.60 TO STA 130+32.33



TYPICAL SECTION  
 SEGOE ROAD  
 STA 121+62.45 TO STA 122+62.60

**SPECIAL NOTES:**

- TYPICAL SECTION NOT TO SCALE
- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS



ISLAND TYPICAL SECTION  
 SEGOE ROAD

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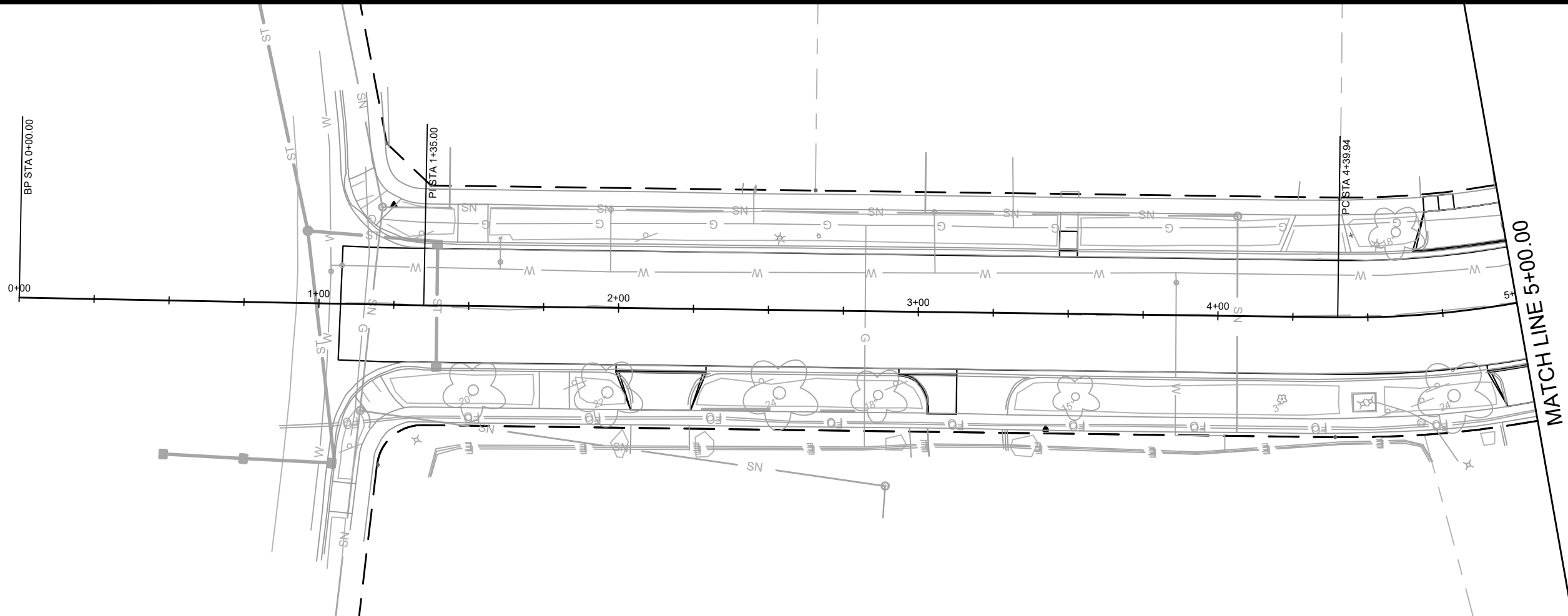
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 8693  
 CONTRACT NO:

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**MADISON, WI**  
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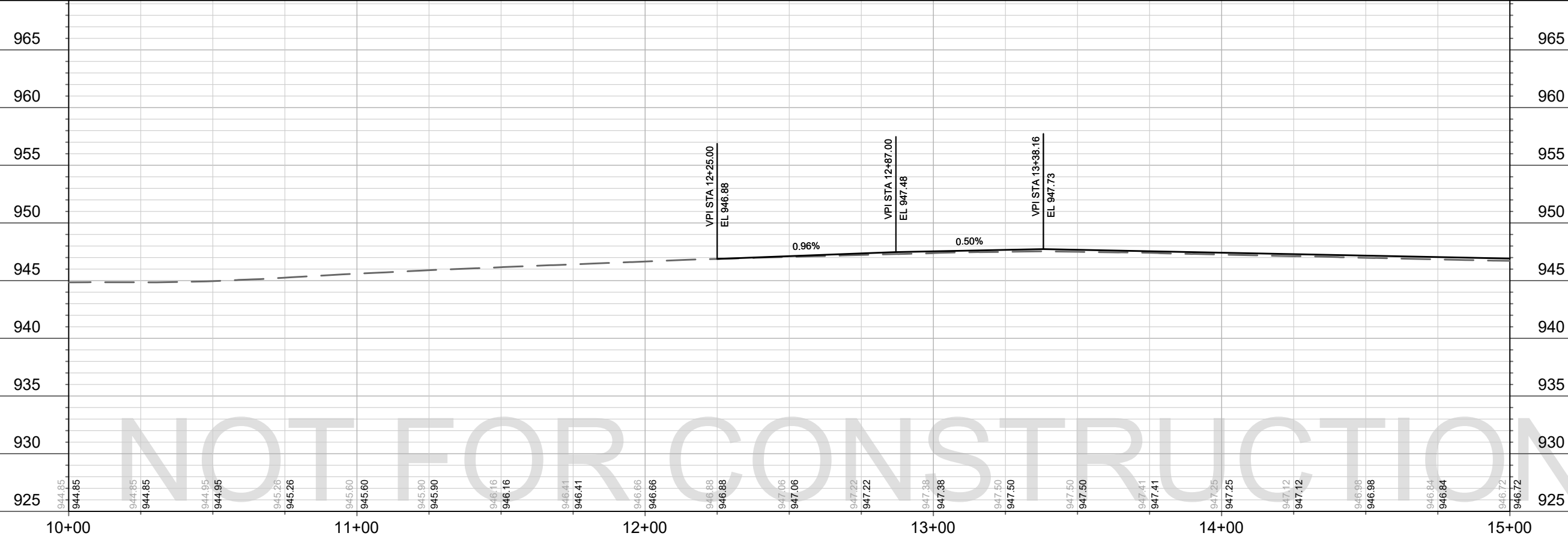
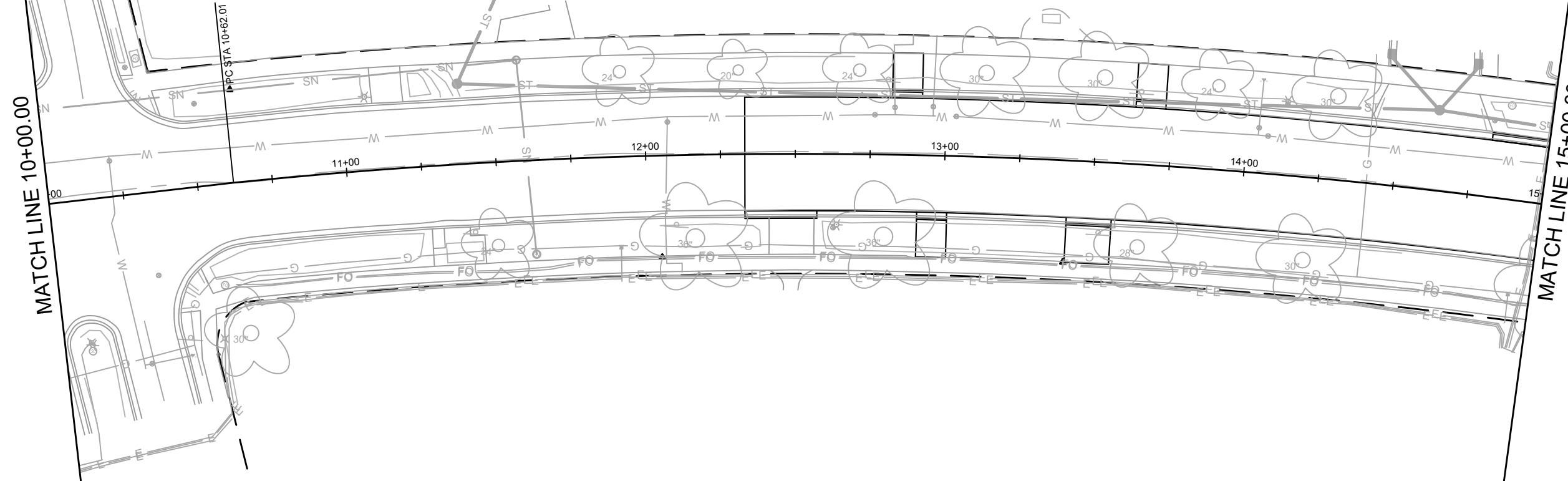


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MATCH LINE 15+00.00



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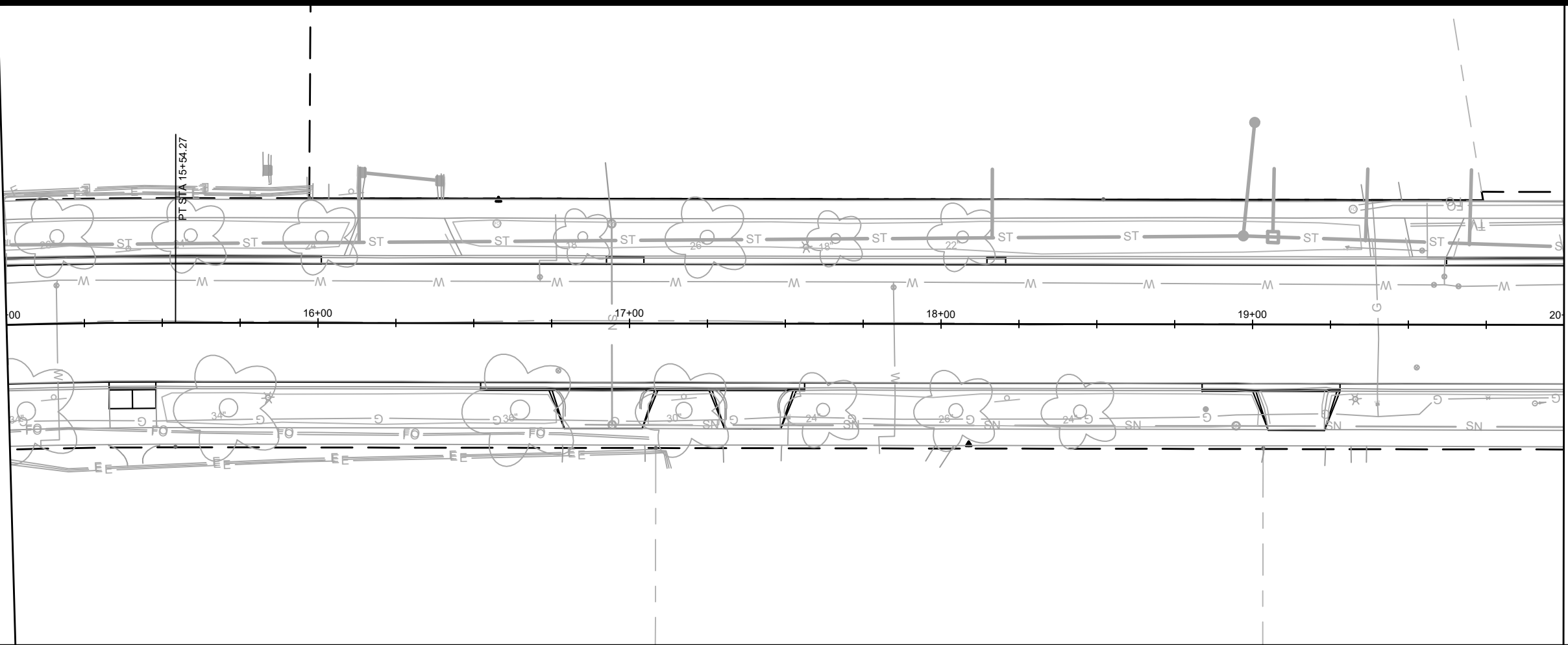
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 CONTRACT NO: 8693

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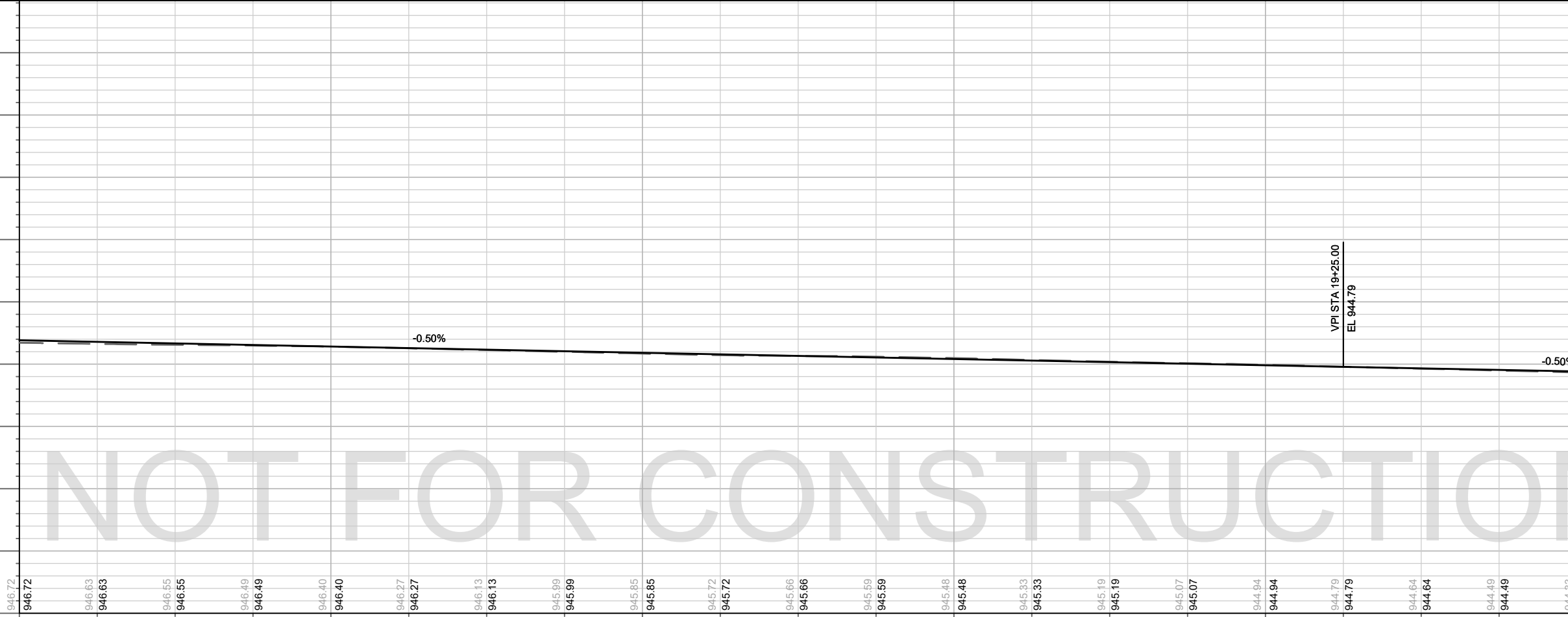
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MATCH LINE 15+00.00



MATCH LINE 20+00.00

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15+00 16+00 17+00 18+00 19+00 20+00

946.72 946.63 946.55 946.49 946.40 946.27 946.13 945.99 945.85 945.72 945.66 945.59 945.48 945.33 945.19 945.07 944.94 944.79 944.64 944.49 944.33

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CONTRACT NO: 8693

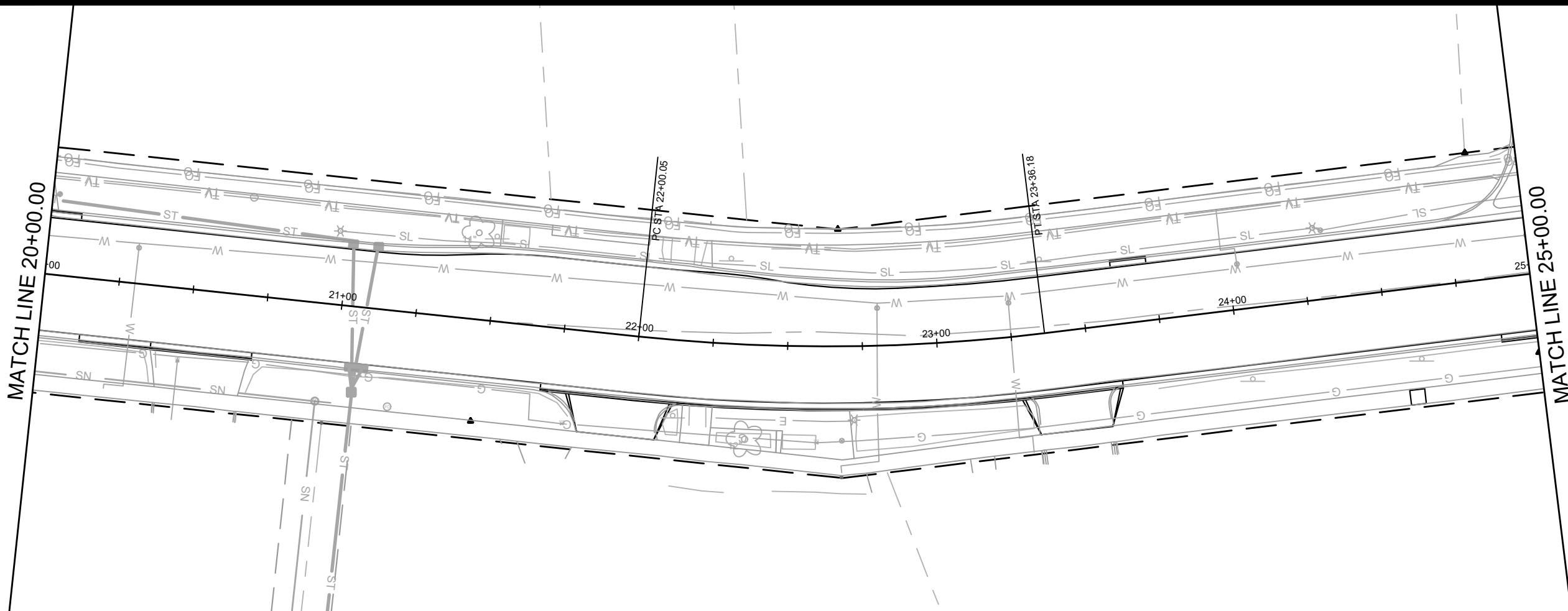
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P-4

MATCH LINE 20+00.00

MATCH LINE 25+00.00



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 CONTRACT NO: 8693

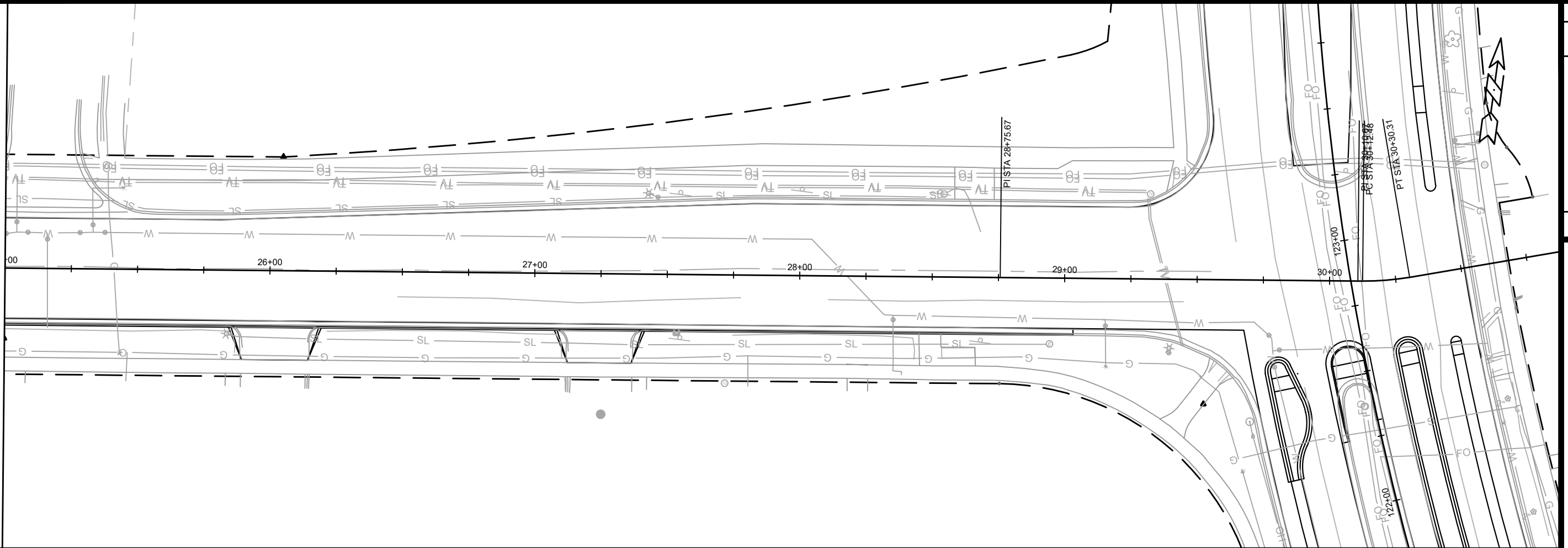
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MATCH LINE 25+00.00



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MADISON, WI  
CONTRACT NO: 8693

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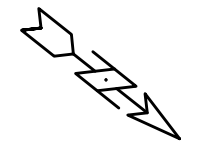
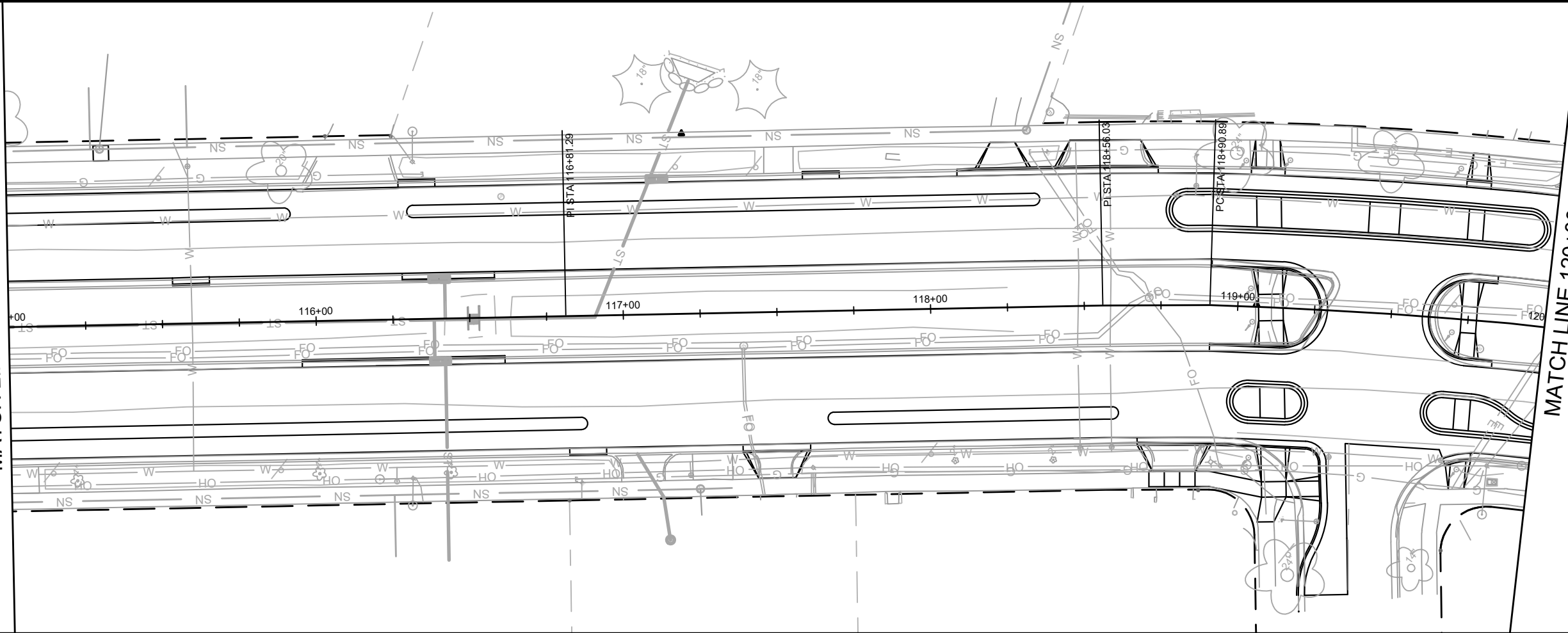
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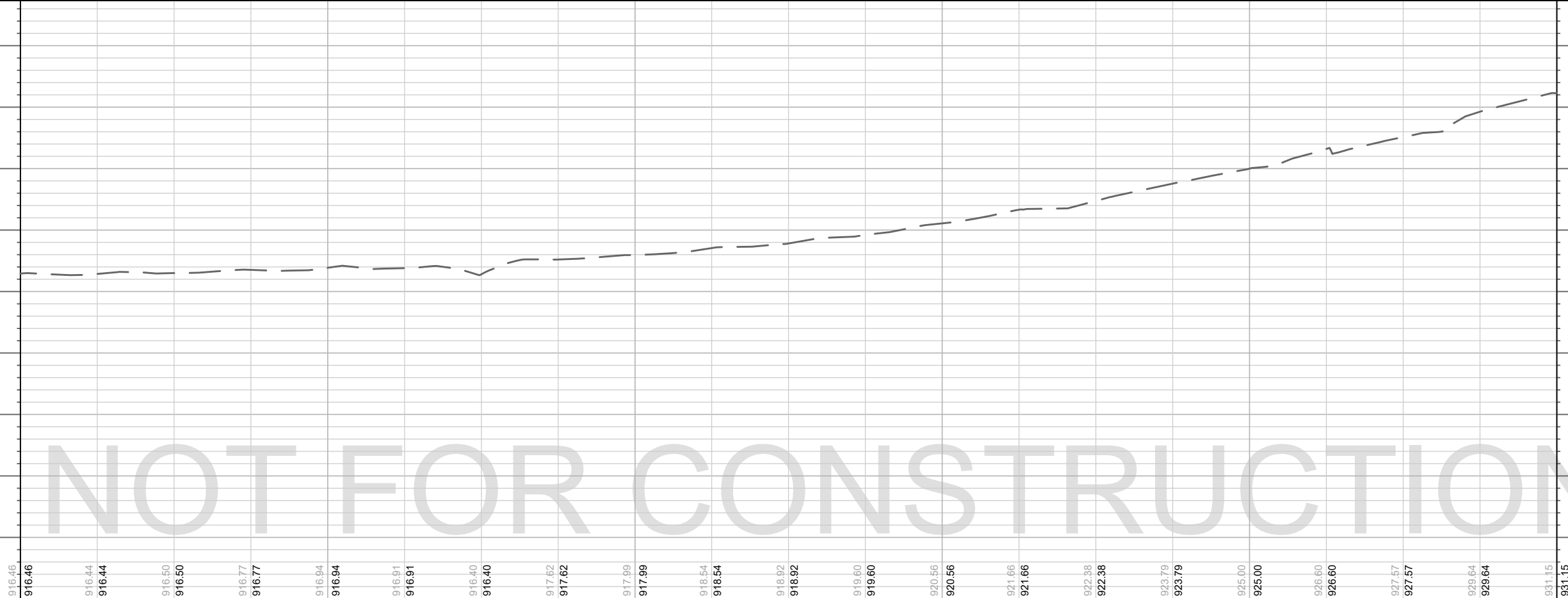
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MATCH LINE 120+00.00



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115+00 116+00 117+00 118+00 119+00 120+00

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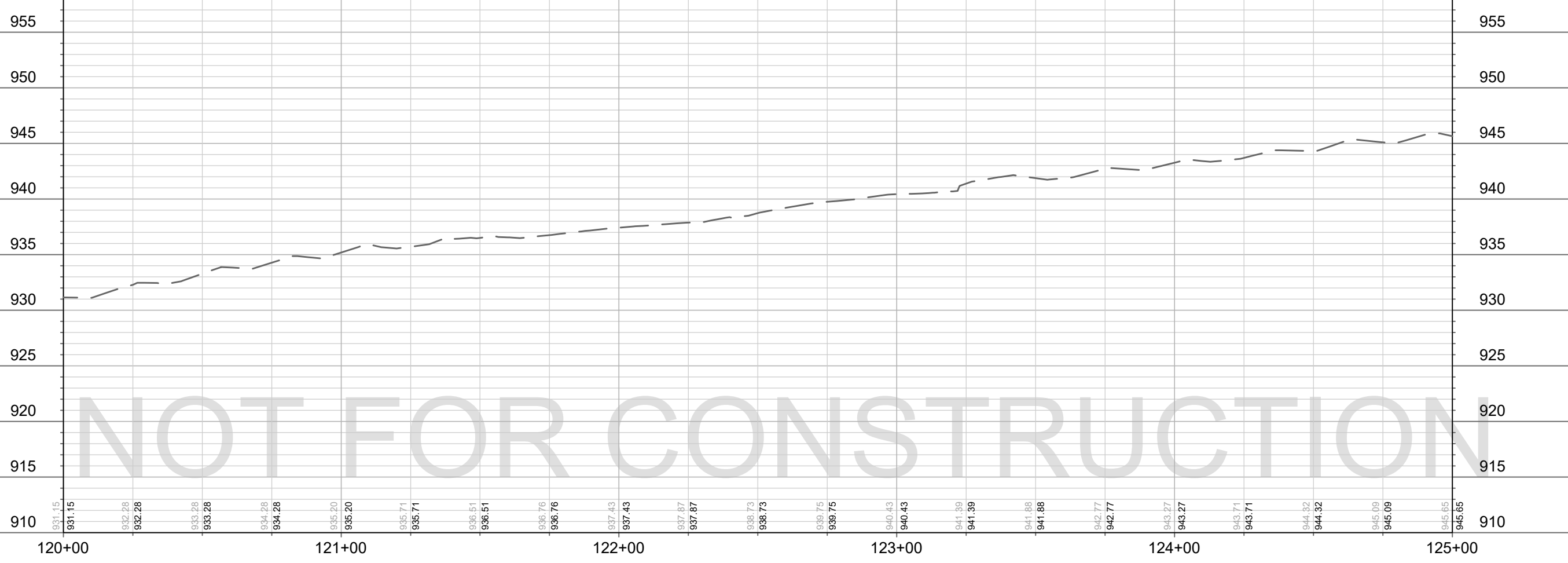
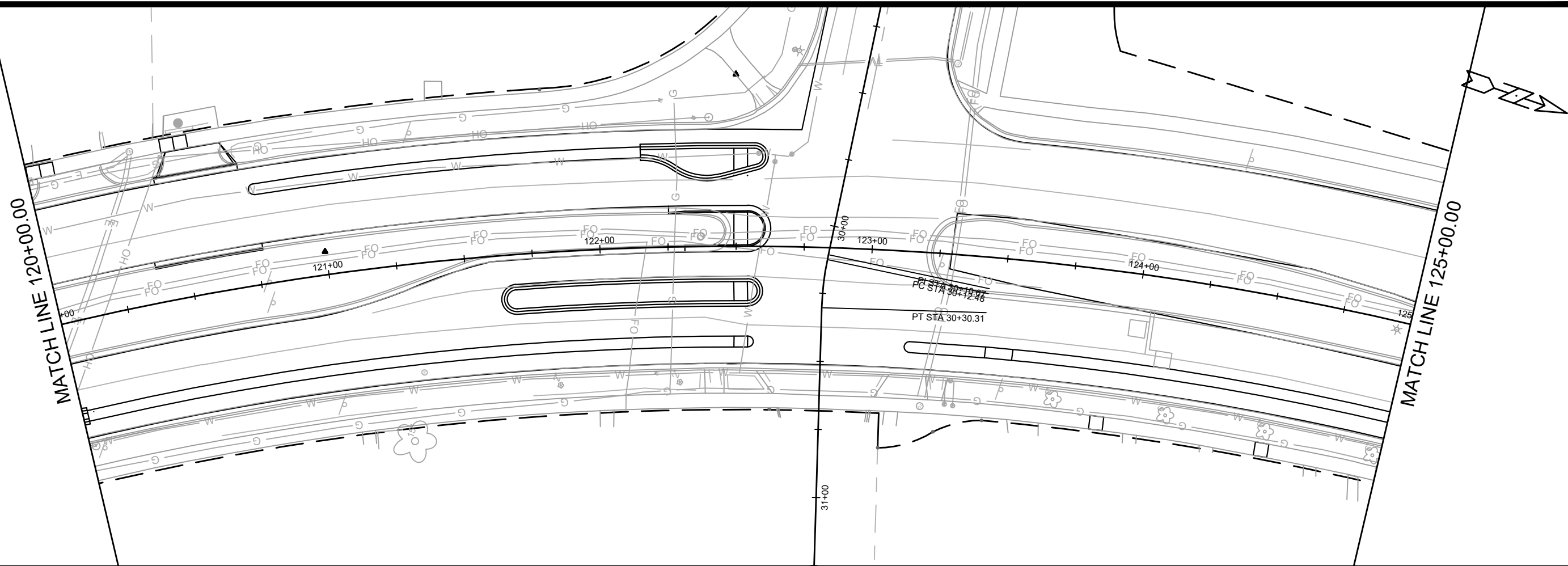
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MADISON, WI  
CONTRACT NO: 8693

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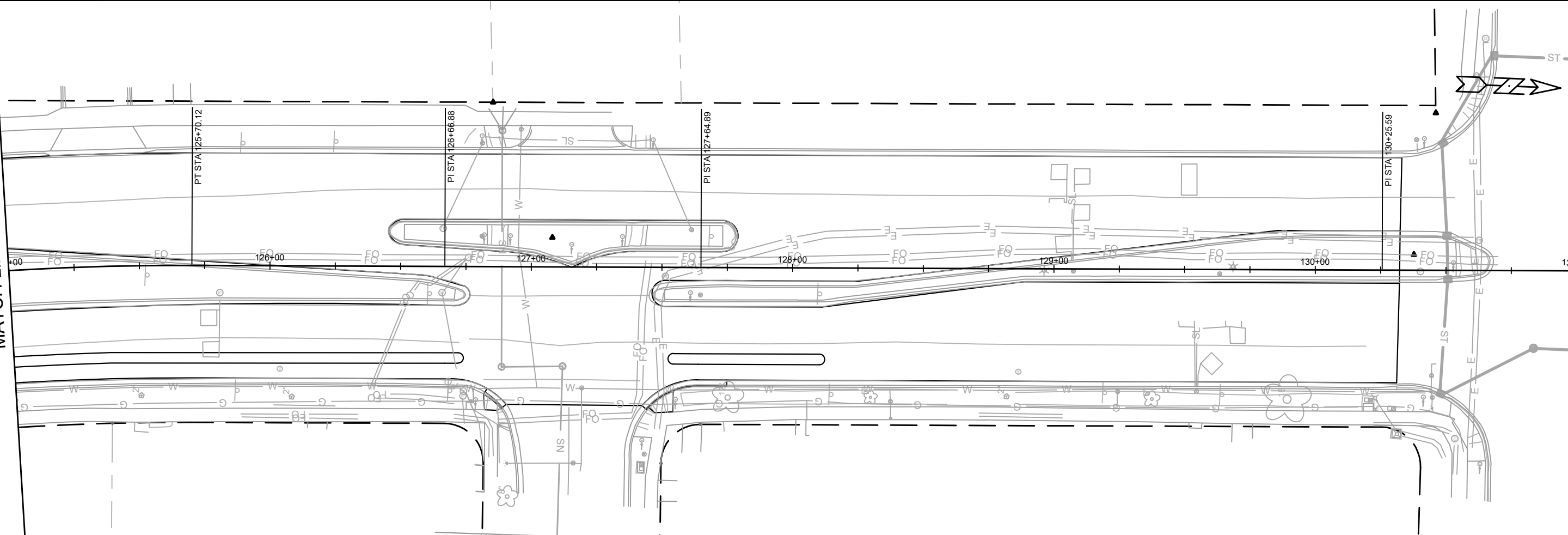
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 MADISON, WI  
 CONTRACT NO: 8693

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MATCH LINE 125+00.00



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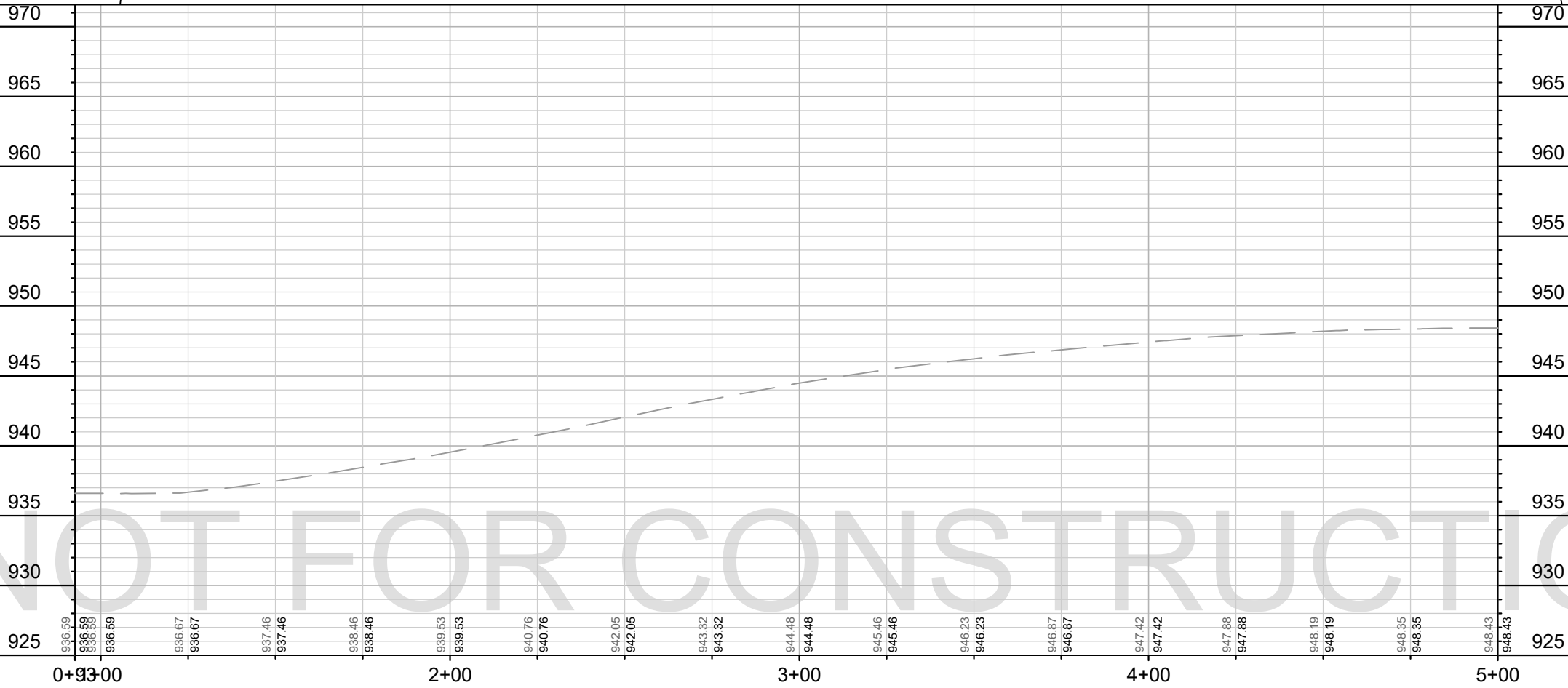
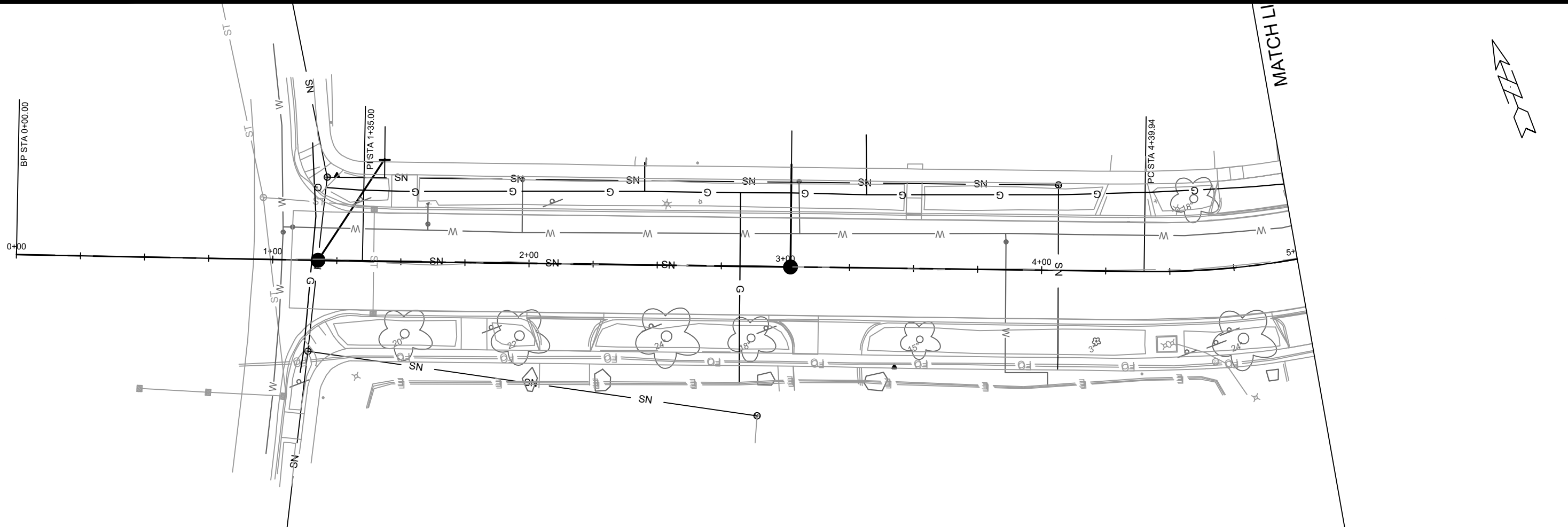
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14215  
 MADISON, WI  
 CONTRACT NO: 8693

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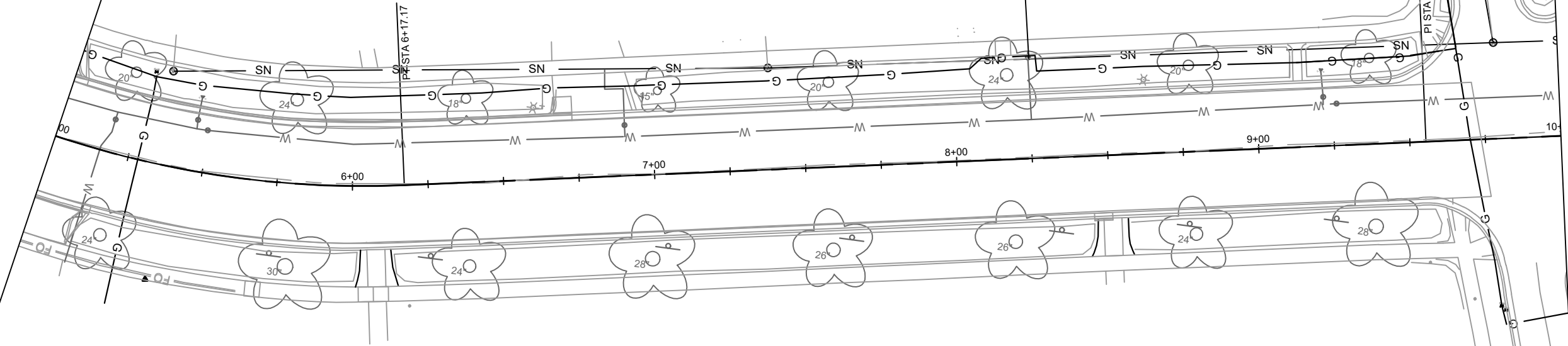
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 SHEBOYGAN AVENUE - UTILITY PLAN & PROFILE  
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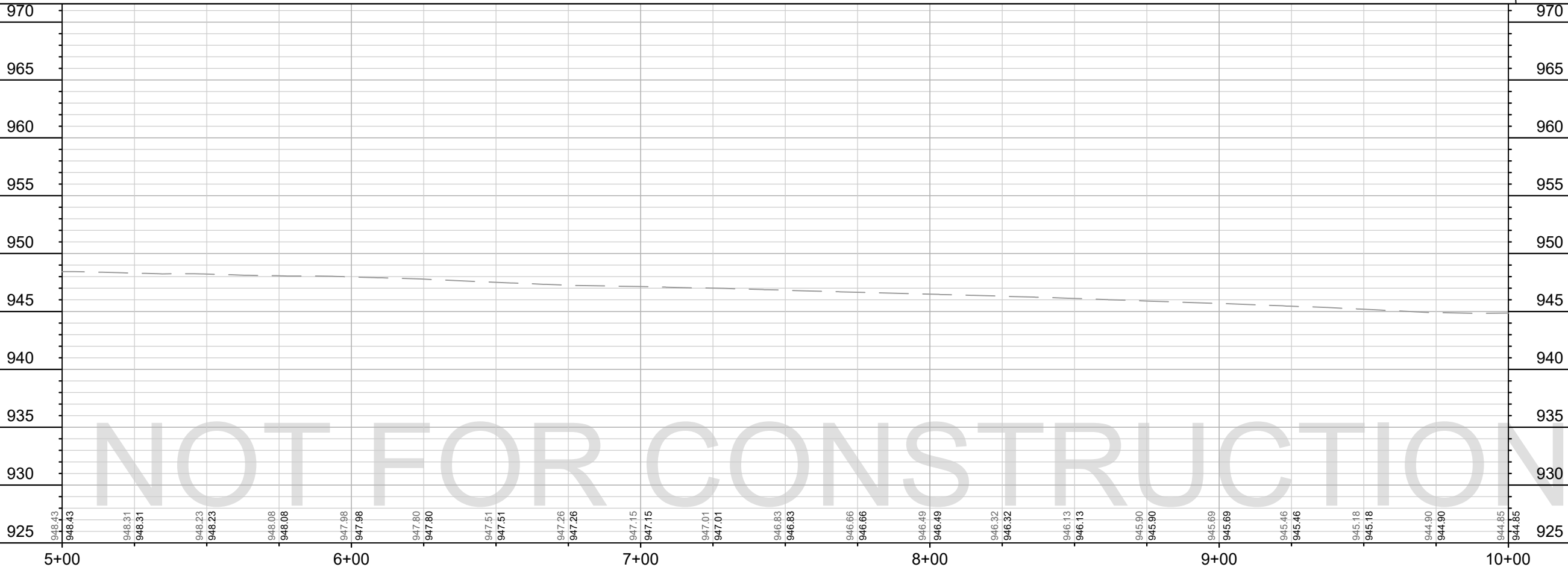


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 MADISON, WI  
 CONTRACT NO: 8693

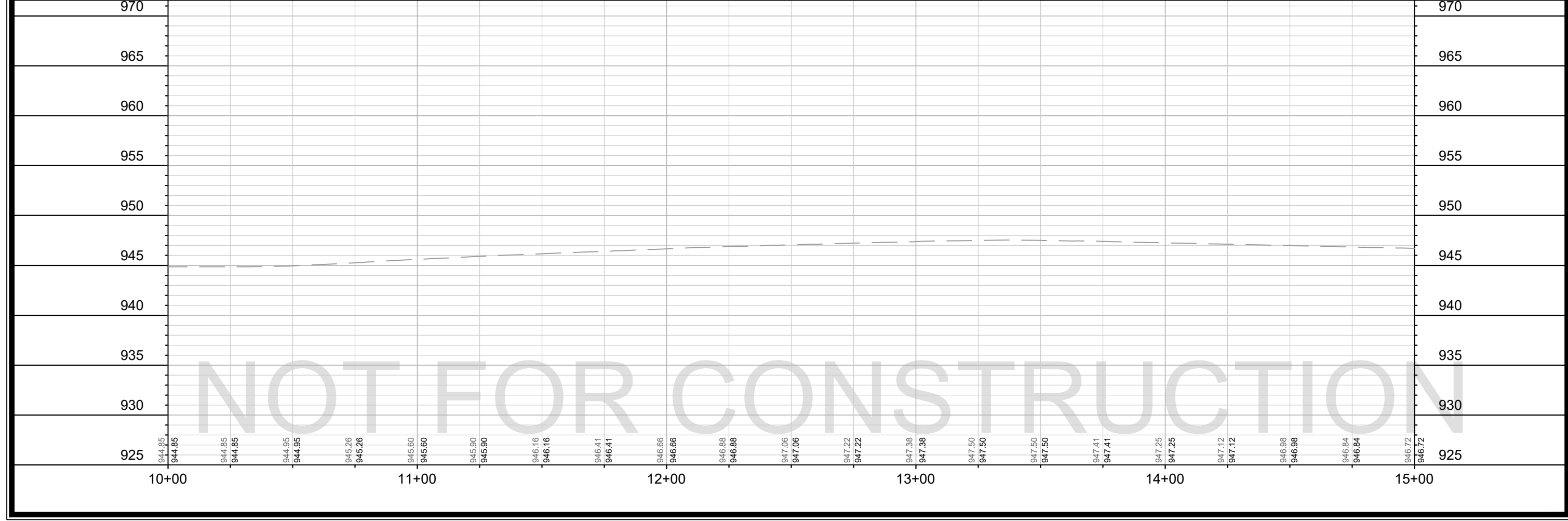
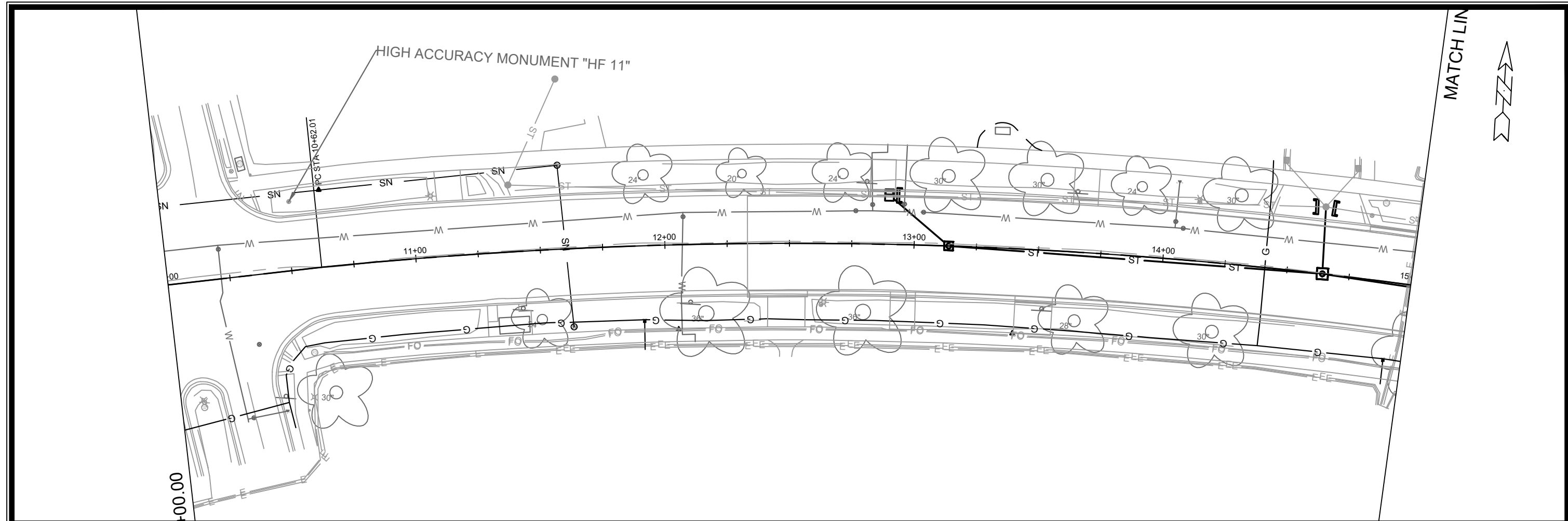
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 U-2

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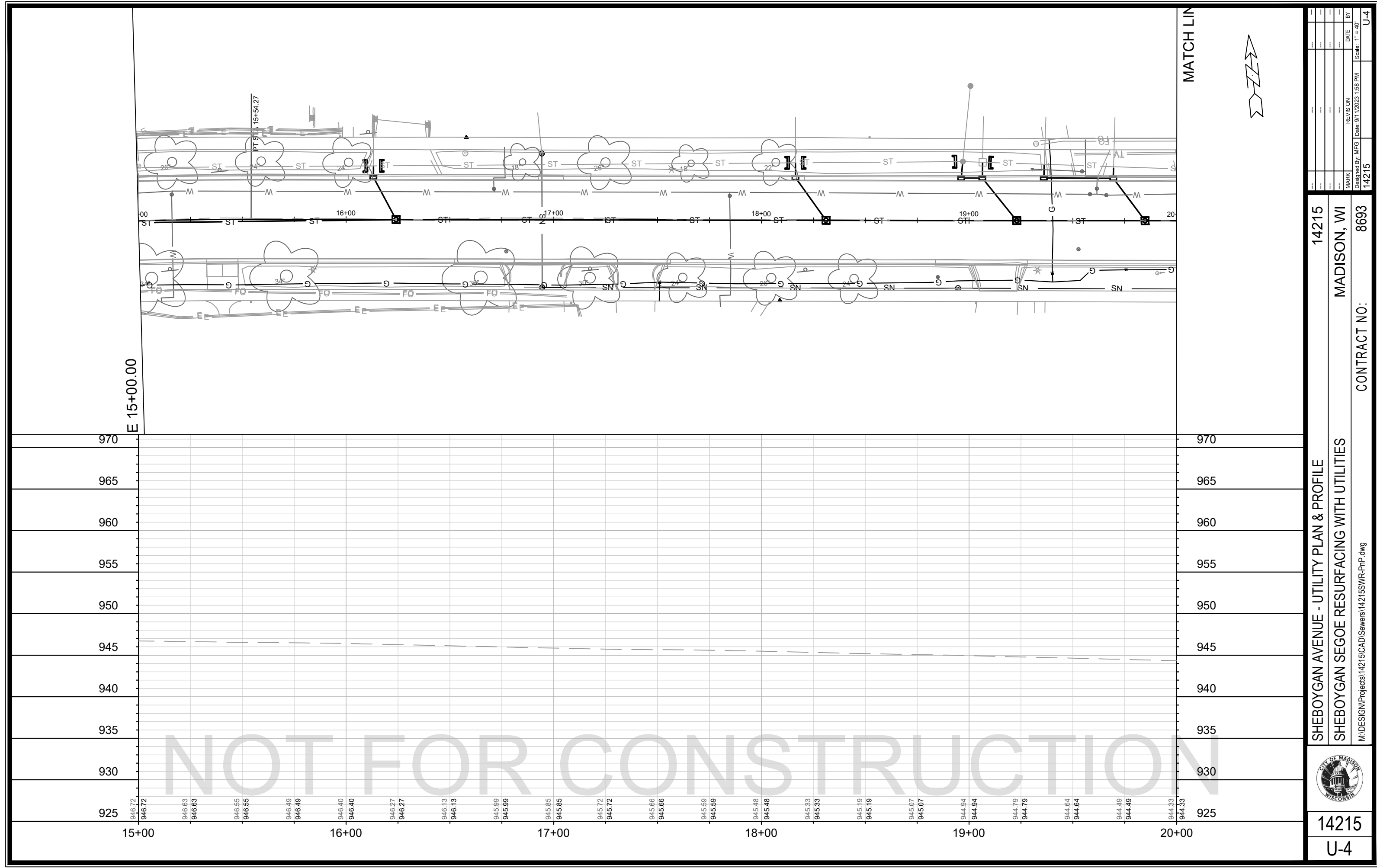
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SHEBOYGAN AVENUE - UTILITY PLAN & PROFILE  
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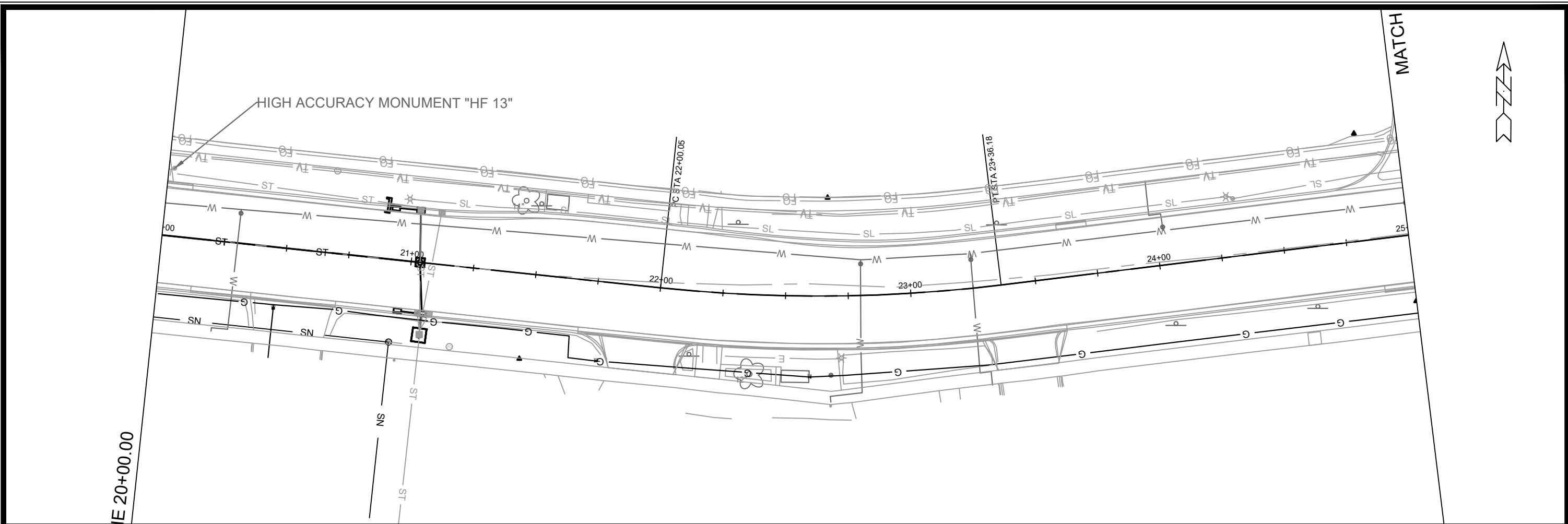
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**8693**  
**CONTRACT NO:**

**SHEBOYGAN AVENUE - UTILITY PLAN & PROFILE**  
**SHEBOYGAN SEGOE RESURFACING WITH UTILITIES**

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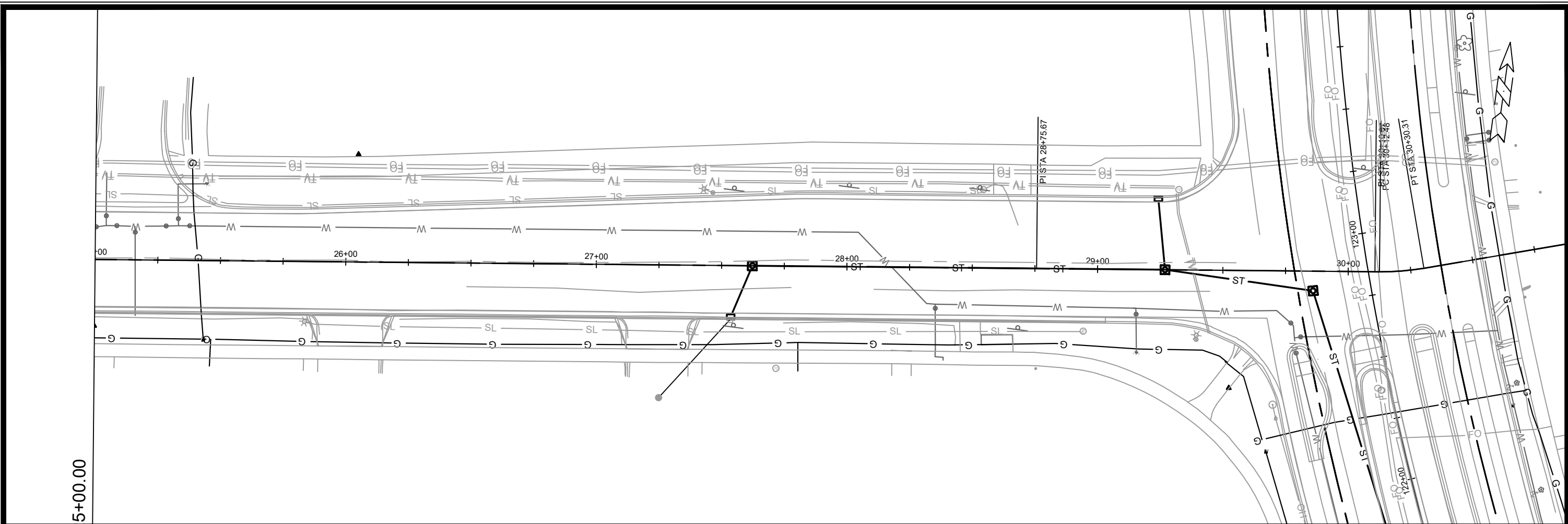
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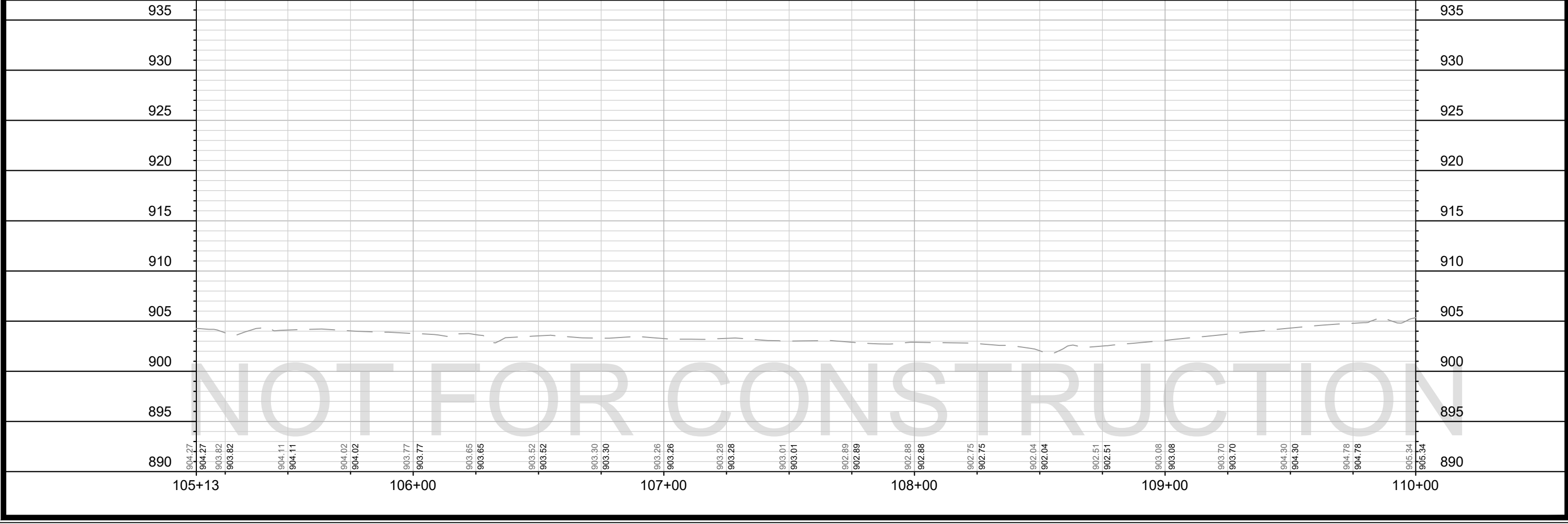
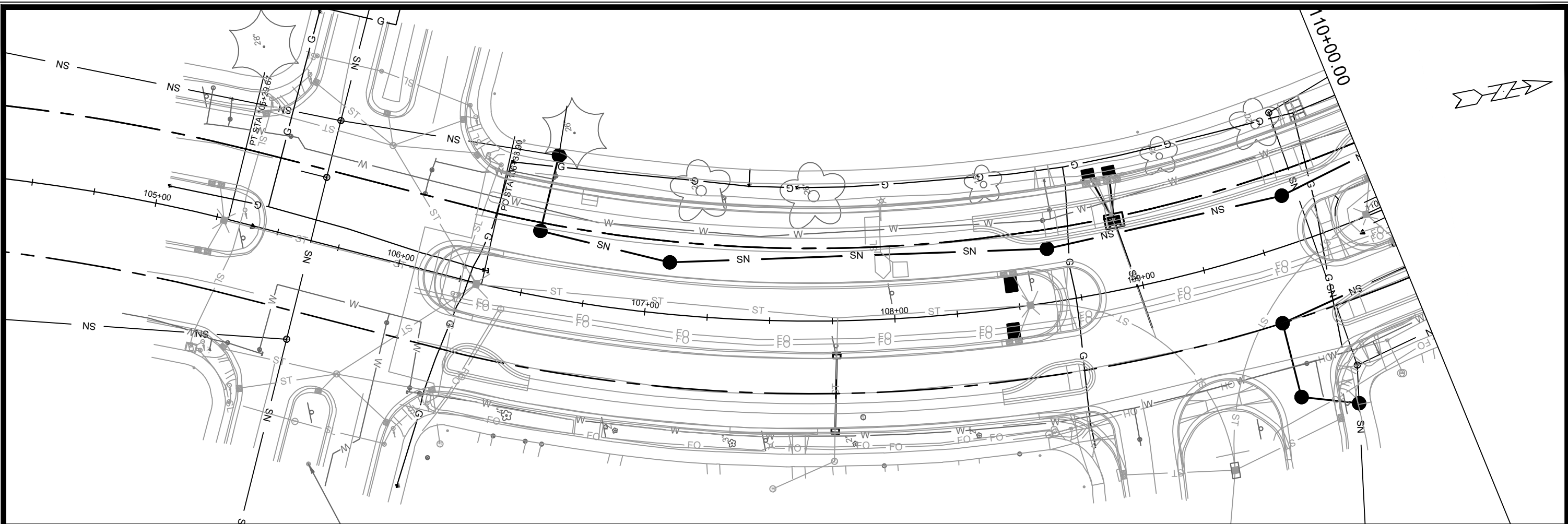
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 8693  
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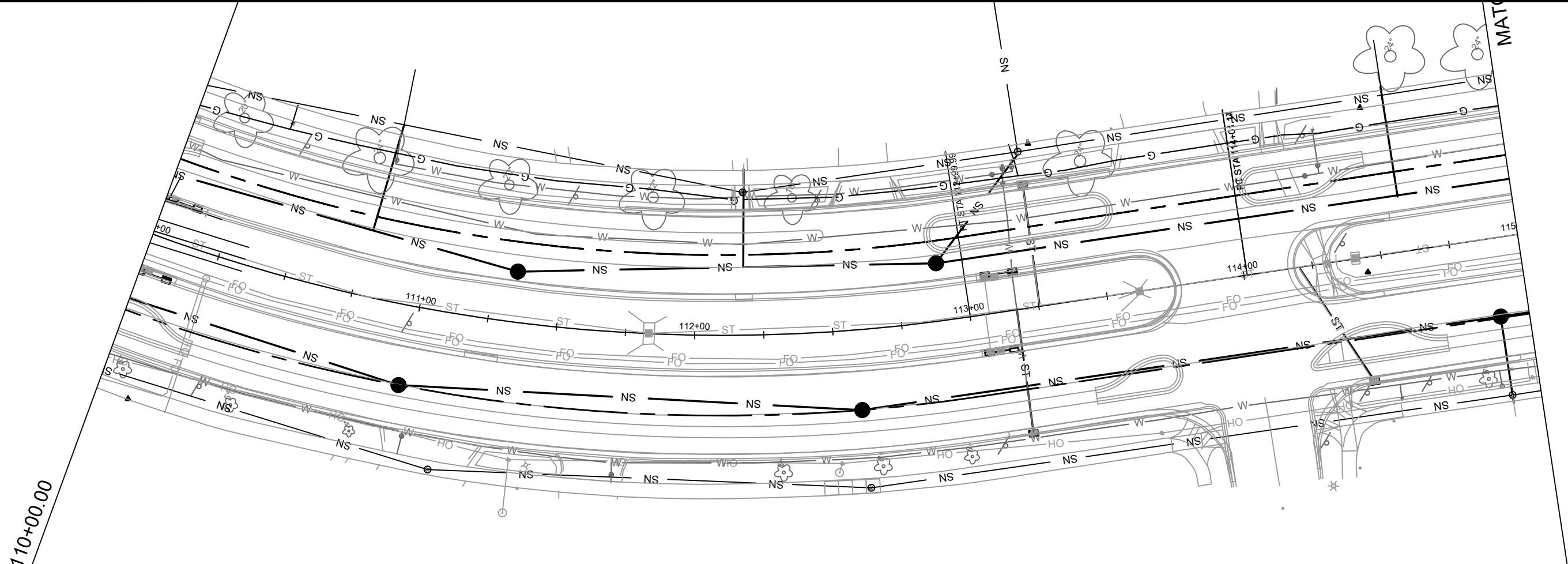


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<p><b>14215</b></p> <p><b>MADISON, WI</b></p>	<p>14215</p> <p>8693</p> <p>CONTRACT NO:</p>
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	<b>14215</b> <b>U-7</b>	<b>SEGOE ROAD - UTILITY PLAN &amp; PROFILE</b> <b>SHEBOYGAN SEGOE RESURFACING WITH UTILITIES</b>
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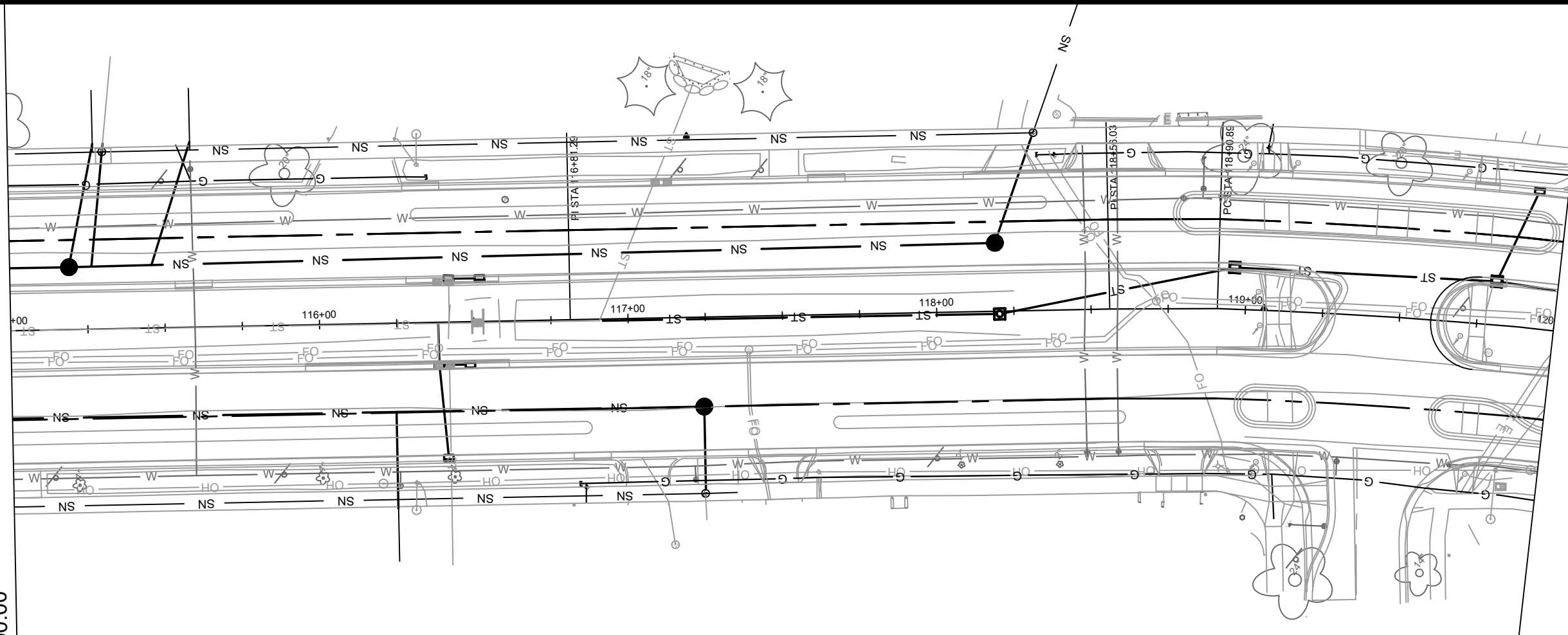
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MADISON, WI  
8693  
CONTRACT NO:

SEGOE ROAD - UTILITY PLAN & PROFILE  
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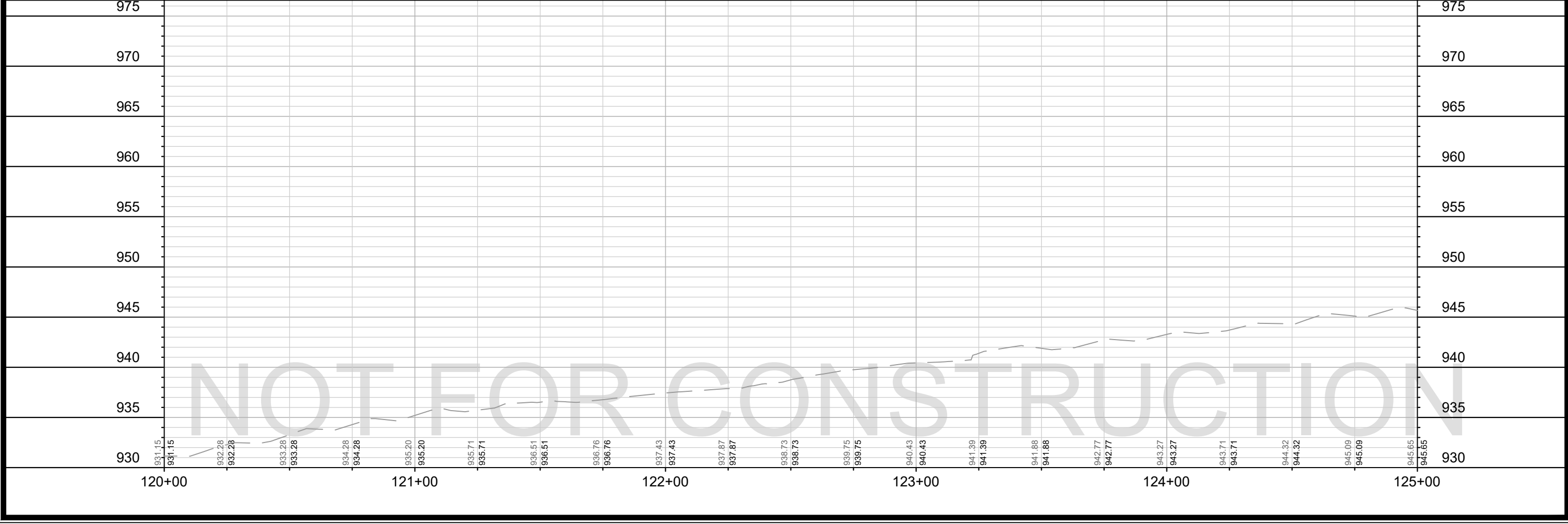
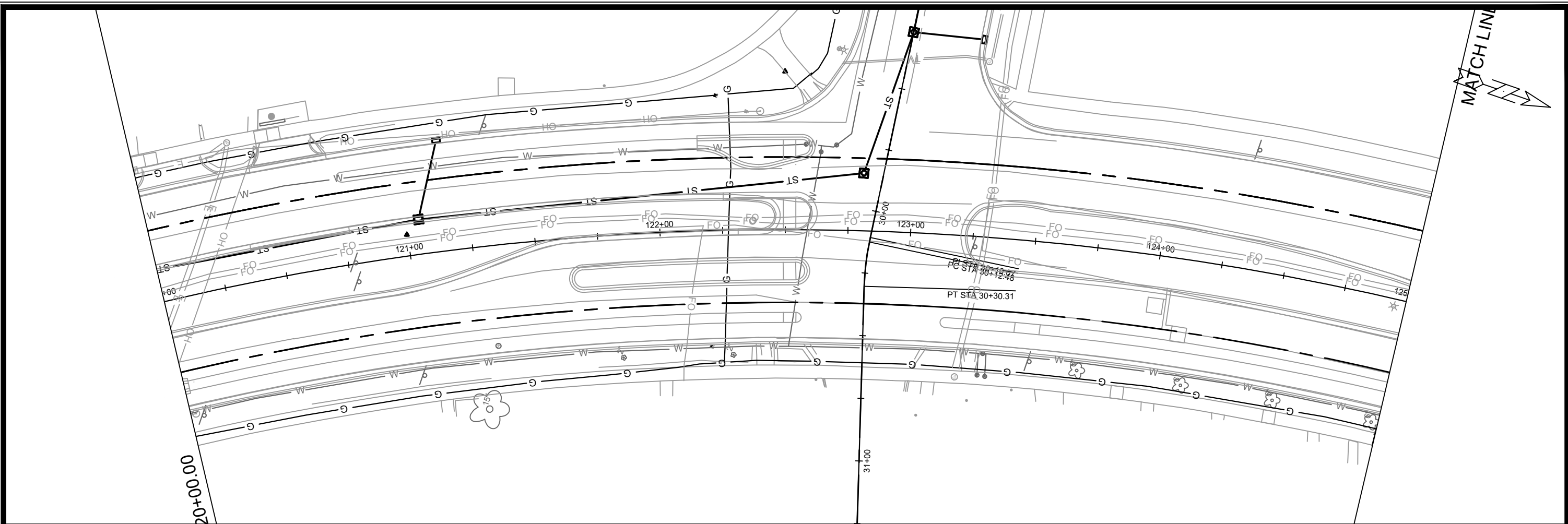
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 MADISON, WI  
 CONTRACT NO: 8693

SEGOE ROAD - UTILITY PLAN & PROFILE  
 SHEBOYGAN SEGOE RESURFACING WITH UTILITIES  
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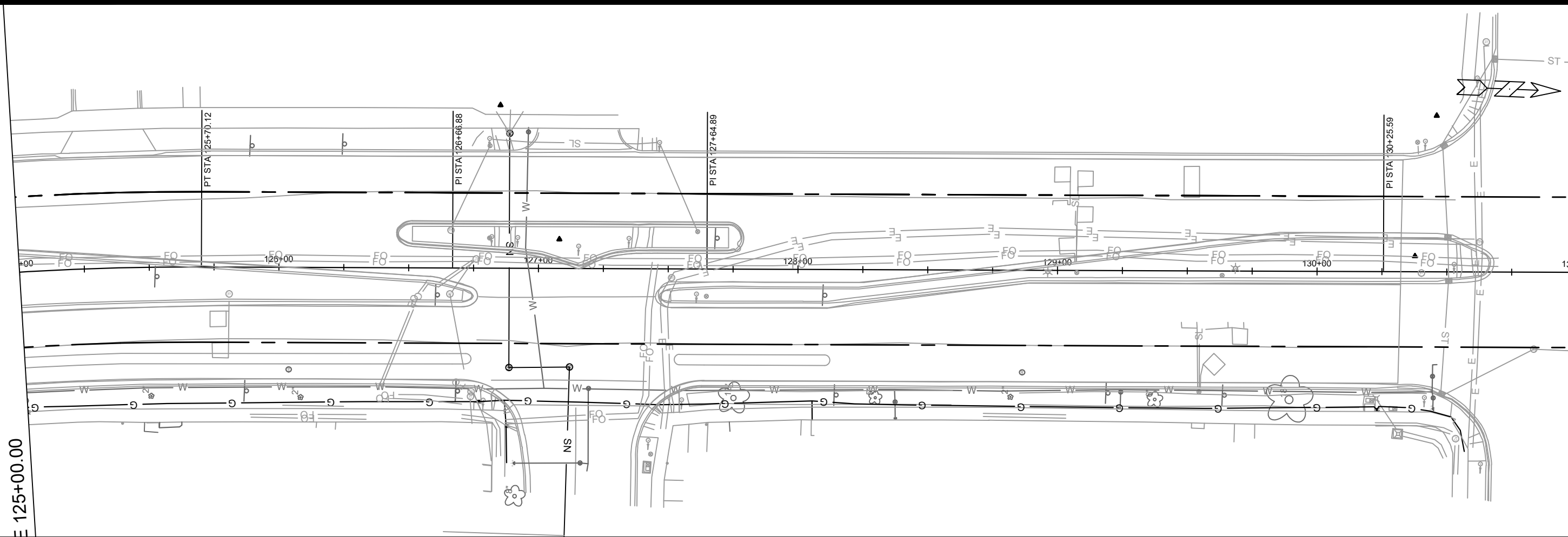


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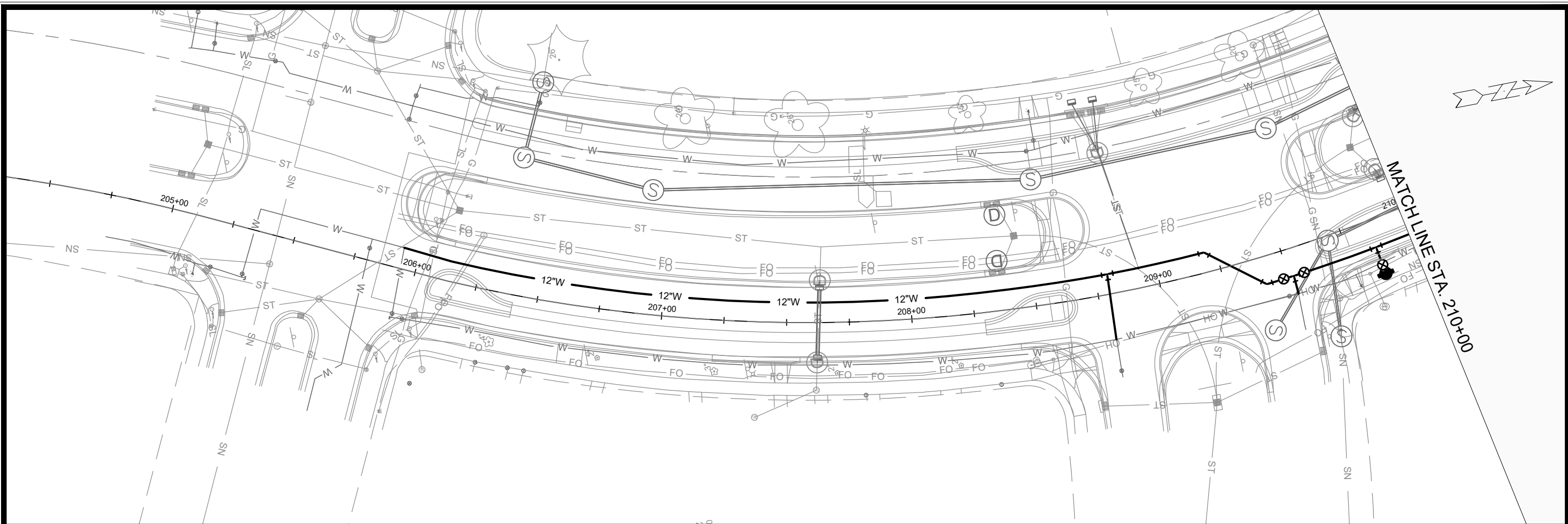
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14215 MADISON, WI CONTRACT NO: 8693	14215 U-10	M:\DESIGN\Projects\14215\CAD\sewers\14215SWR-PnP.dwg Designed By: MFG Date: 9/11/2023 2:00 PM Scale: 1" = 40' REVISION DATE BY U-10





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MARK	REVISION	DATE	BY	
Designed By: MFG	Date: 9/11/2023 2:01 PM			U-11
14215	8693			
<b>SEGOE ROAD - UTILITY PLAN &amp; PROFILE</b> <b>SHEBOYGAN SEGOE RESURFACING WITH UTILITIES</b>				
14215 MADISON, WI CONTRACT NO.: 8693				
M:\DESIGN\Projects\14215\CAD\Sewers\14215SWR-PnP.dwg				



MATCHLINE STA. 210+00

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T.O.P. 904.42 T.O.P. 904.30 T.O.P. 904.09 T.O.P. 903.78 T.O.P. 903.63 T.O.P. 903.59 T.O.P. 903.55 T.O.P. 903.49 T.O.P. 903.37 T.O.P. 903.14 T.O.P. 903.03 T.O.P. 902.93 T.O.P. 902.82 T.O.P. 902.75 T.O.P. 902.82 T.O.P. 902.98 T.O.P. 903.23 T.O.P. 903.66 T.O.P. 904.30 T.O.P. 905.14 T.O.P. 906.02

205+00 206+00 207+00 208+00 209+00 210+00

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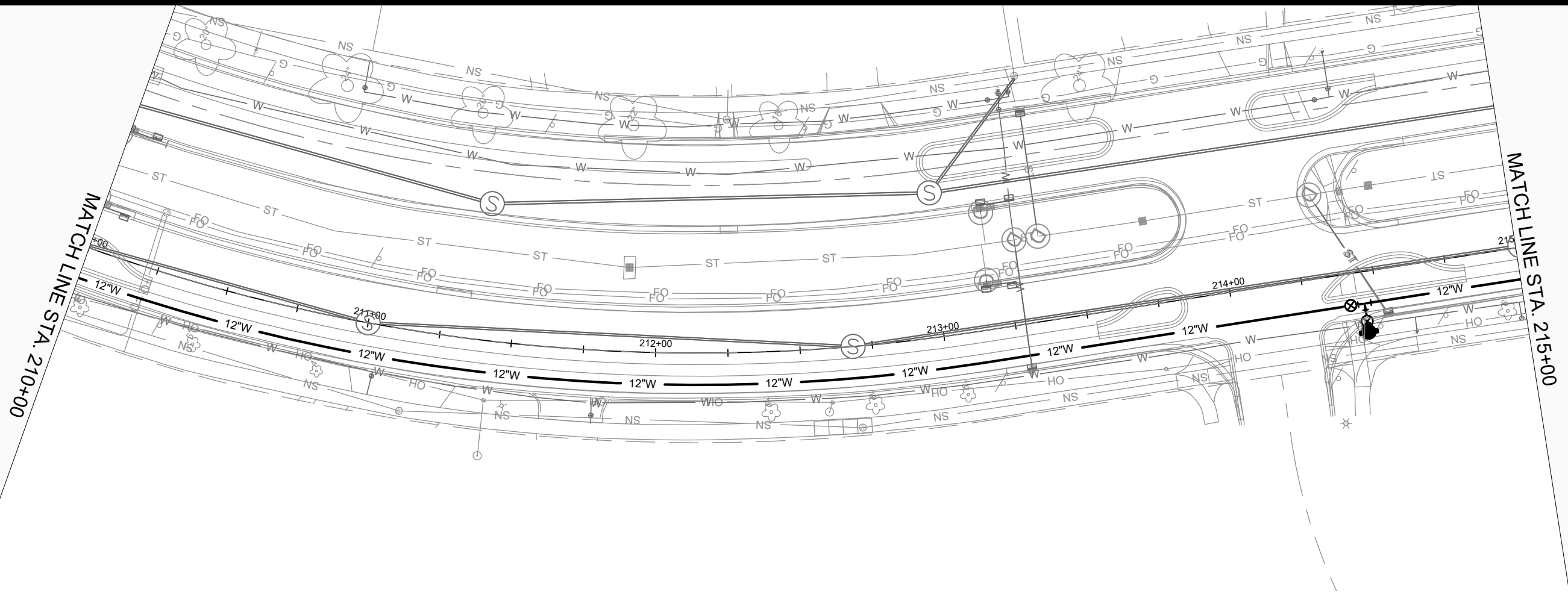
MARK	REVISION	DATE	BY
14215	9/11/2023 2:01 PM	Scale: #####	W-1

14215  
MADISON, WI  
8693  
CONTRACT NO:

SEGOE RD - WATER PLAN AND PROFILE  
SHEBOYGAN SEGOE RESURFACING WITH UTILITIES  
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14215  
W-1



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	T.O.P. 906.02	T.O.P. 907.01	T.O.P. 908.11	T.O.P. 909.31	T.O.P. 910.46	T.O.P. 911.53	T.O.P. 912.49	T.O.P. 913.29	T.O.P. 913.85	T.O.P. 914.29	T.O.P. 914.63	T.O.P. 914.92	T.O.P. 915.23	T.O.P. 915.45	T.O.P. 915.57	T.O.P. 915.65	T.O.P. 915.73	T.O.P. 915.81	T.O.P. 915.91	T.O.P. 916.08	T.O.P. 916.25
	210+00				211+00				212+00				213+00			214+00				215+00	

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MARK	REVISION	DATE	BY
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14215  
MADISON, WI  
8693  
CONTRACT NO:

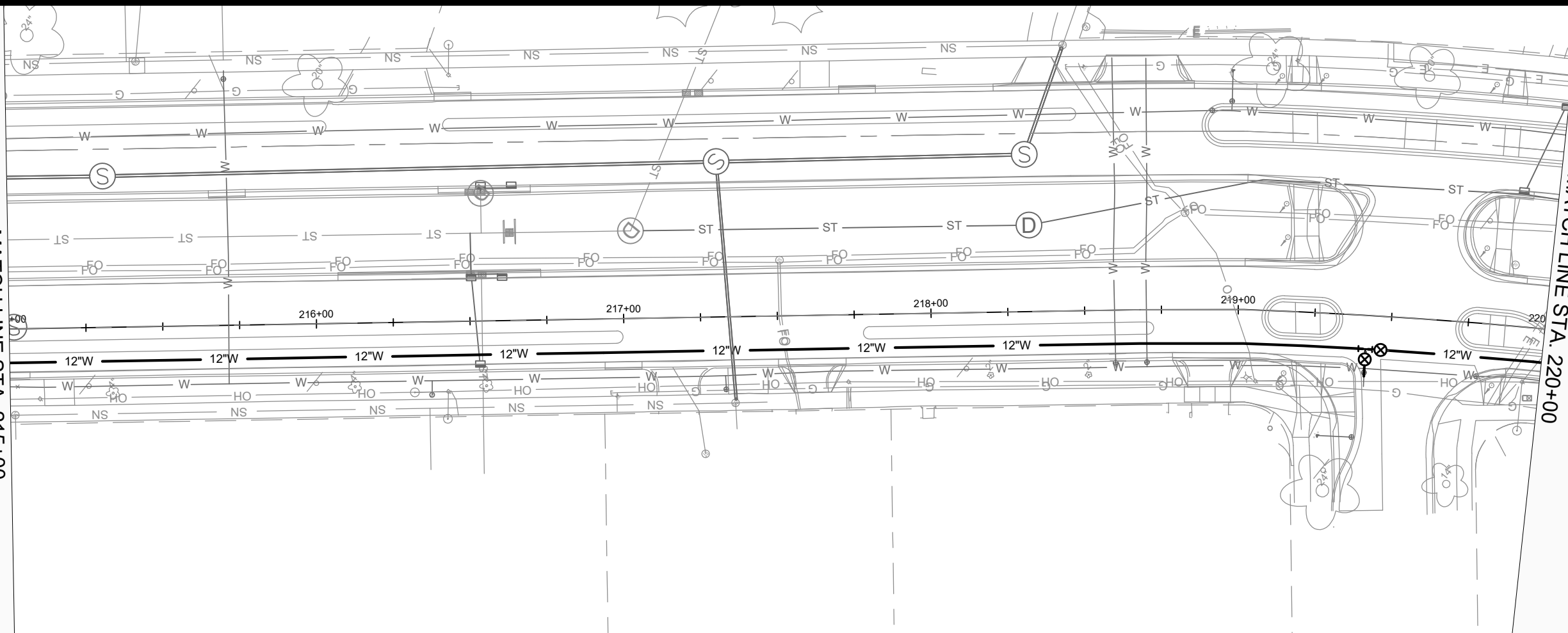
SEGOE RD - WATER PLAN AND PROFILE  
SHEBOYGAN SEGOE RESURFACING WITH UTILITIES  
M:\DESIGN\Projects\14215\CAD\Water\14215-Water-Segoe Ave.dwg



14215  
W-2

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MATCH LINE STA. 220+00



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T.O.P. 916.25 215+00  
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 T.O.P. 916.59  
 T.O.P. 916.68  
 T.O.P. 916.81  
 T.O.P. 917.05  
 T.O.P. 917.26  
 T.O.P. 917.52  
 T.O.P. 917.87  
 T.O.P. 918.36  
 T.O.P. 918.96  
 T.O.P. 919.74  
 T.O.P. 920.74  
 T.O.P. 921.86  
 T.O.P. 923.12  
 T.O.P. 924.43  
 T.O.P. 925.88  
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 T.O.P. 930.20 220+00

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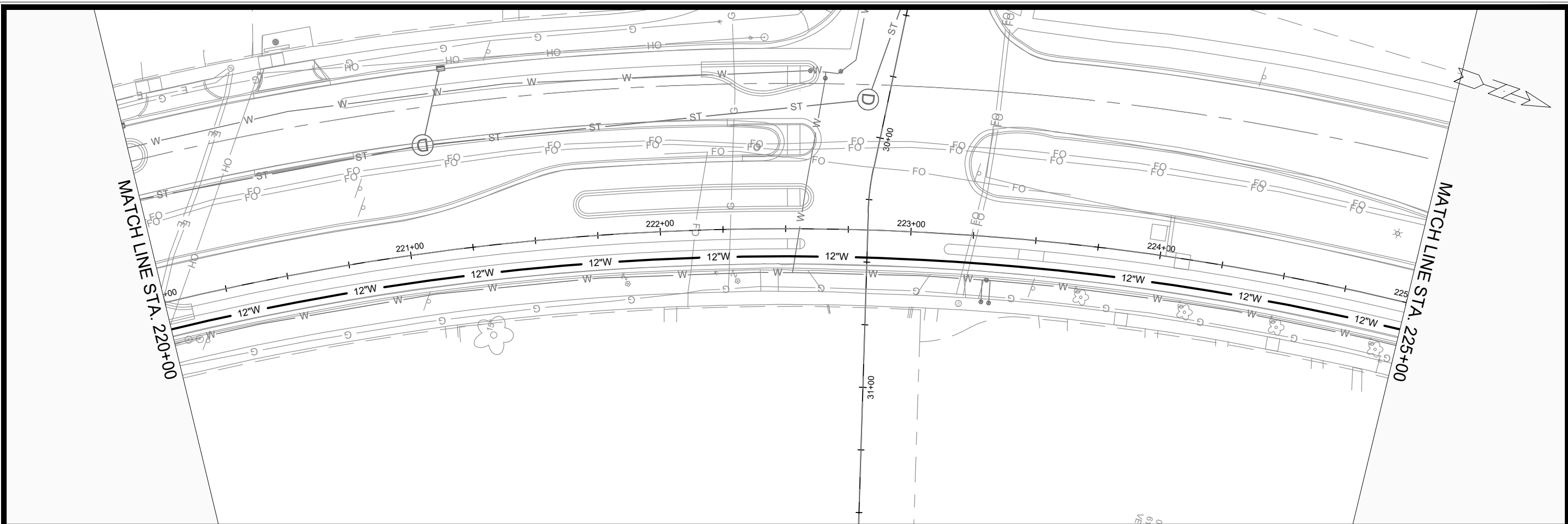
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14215	9/11/2023 2:02 PM	Scale: #####	W-3


14215  
 MADISON, WI  
 8693  
 CONTRACT NO:

SEGOE RD - WATER PLAN AND PROFILE  
 SHEBOYGAN SEGOE RESURFACING WITH UTILITIES  
 M:\DESIGN\Projects\14215\CAD\Water\14215-Water-Segoe Ave.dwg



14215  
 W-3



	<b>14215</b> <b>W-4</b>
<b>SEGOE RD - WATER PLAN AND PROFILE</b> <b>SHEBOYGAN SEGOE RESURFACING WITH UTILITIES</b>	<b>14215</b> <b>MADISON, WI</b> <b>8693</b> <b>CONTRACT NO:</b>
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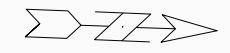
07092020202028  
625 N Segoe Rd  
WESTON PLACE  
ASSOC INC. ATTN

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T.O.P. 945.82	T.O.P. 946.43	T.O.P. 947.01	T.O.P. 947.55	T.O.P. 947.93	T.O.P. 948.21	T.O.P. 948.42	T.O.P. 948.57	T.O.P. 948.75	T.O.P. 948.56	T.O.P. 948.06	T.O.P. 947.48	T.O.P. 946.65	T.O.P. 945.38	T.O.P. 943.85	T.O.P. 942.13	T.O.P. 940.16	T.O.P. 938.00	T.O.P. 935.95	T.O.P. 934.00	T.O.P. 932.25
225+00		226+00		227+00		228+00		229+00		230+00										


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MARK	REVISION	DATE	BY
14215	9/11/2023 2:02 PM	Scale: #####	W-5

14215  
MADISON, WI  
8693  
CONTRACT NO:

SEGOE RD - WATER PLAN AND PROFILE  
SHEBOYGAN SEGOE RESURFACING WITH UTILITIES  
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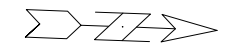
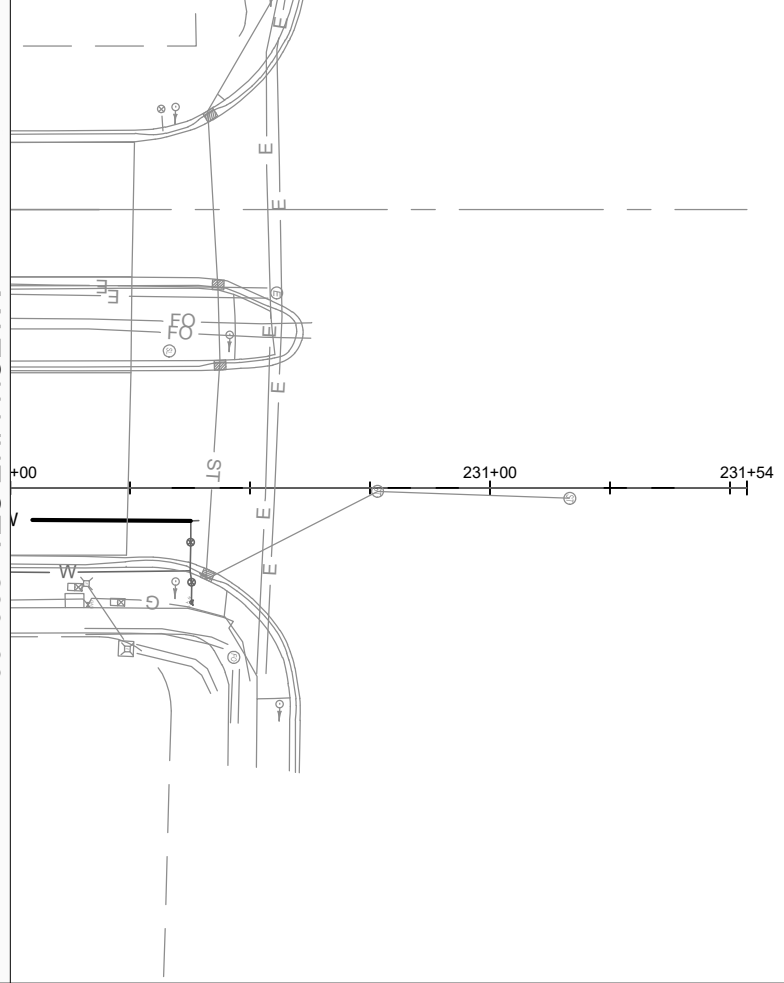


14215  
W-5

NOT FOR CONSTRUCTION



MATCH LINE STA. 230+00



14215  
W-6

SEGOE RD - WATER PLAN AND PROFILE  
SHEBOYGAN SEGOE RESURFACING WITH UTILITIES  
M:\DESIGN\Projects\14215\CAD\Water\14215-Water-Segoe Ave.dwg

14215  
MADISON, WI  
CONTRACT NO: 8693


MARK	REVISION	DATE	BY
14215	Designed By: MFG	Date: 9/11/2023 2:02 PM	Scale: #####
			W-6

GENERAL ELECTRICAL NOTES:

1. ALL LOCATIONS ARE APPROXIMATE, THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY JERRY SCHIPPA (608 267-1969), CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT OR BASE LOCATIONS MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2023 EDITION" AND ALL ADDENDUMS THERETO.
3. ALL CONDUITS SHALL BE PVC, SCHEDULE 80 BENEATH PAVEMENT, AND SCHEDULE 40 CONDUIT OTHERWISE. PULL WIRE SHALL BE INSTALLED IN ALL CONDUITS PER STANDARD SPECIFICATION.
4. THE CONTRACTOR SHALL CALL CHAD VEINOT (608 285-2397) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF PLACING CONCRETE BASES, INSTALLING HANDHOLES, OR BURYING CONDUIT TO ARRANGE FOR INSPECTION.
5. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
6. EXISTING STREETLIGHTS ON WOOD POLES SHALL BE IN SERVICE EACH NIGHT.
7. ALL CONDUIT SIZES ON PLANS ARE 2-INCH UNLESS OTHERWISE NOTED IN THE MQ SHEETS OR PLAN SHEETS.
8. THE TYPE GR BASE MAY BE THE SAME DEPTH (42") AS A TYPE G (SQUARE TOP) BASE.
9. THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED BY CALLING ED SMITH, TRAFFIC ENGINEERING SHOP (266-9034) AT LEAST 48-HOURS PRIOR TO NEEDING MATERIALS.
  - 9.1. (40)  $\frac{3}{4}$  INCH X 19-INCH ANCHOR BOLTS FOR TYPE GR BASES, 10 TOTAL BASES
  - 9.2. (44) 1-INCH X 40-INCH ANCHOR BOLTS FOR LB-3R BASES, 11 TOTAL BASES
  - 9.3. (8)  $1\frac{1}{4}$  INCH X 48-INCH ANCHOR BOLTS FOR LB-8R BASES, 2 TOTAL BASES
10. DETAIL DRAWINGS: <https://www.cityofmadison.com/engineering/documents/standard-specifications/Part8.pdf>



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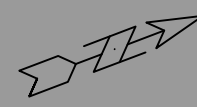
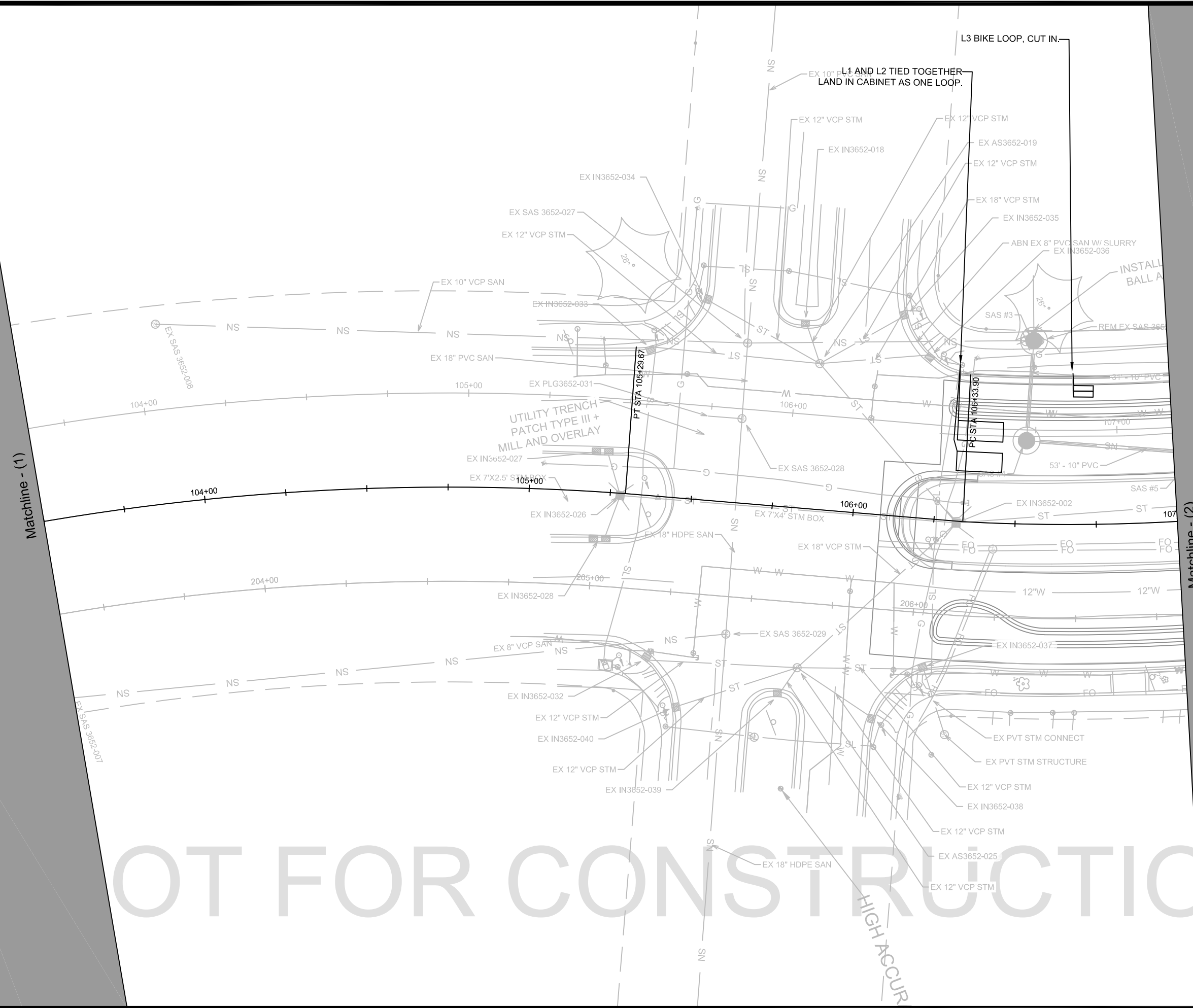
14215	MADISON, WI	8693	CONTRACT NO:
SIGNAL AND LIGHTING PLANS SEGOE ROAD AND SHEBOYGAN AVENUE RESURFACING			
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14215			
E-1			



Matchline - (1)

Matchline - (2)

NOT FOR CONSTRUCTION



MARK	REVISION	DATE	BY
14215	4/22/2023	JLS	JLS
Designed By: JLS			Date: 4/22/2023
Scale: 1" = 30'			E-2

**SIGNALS AND LIGHTING PLAN**

**14215**

**SEGOE ROAD AND SHEBOYGAN AVENUE RESURFACING**

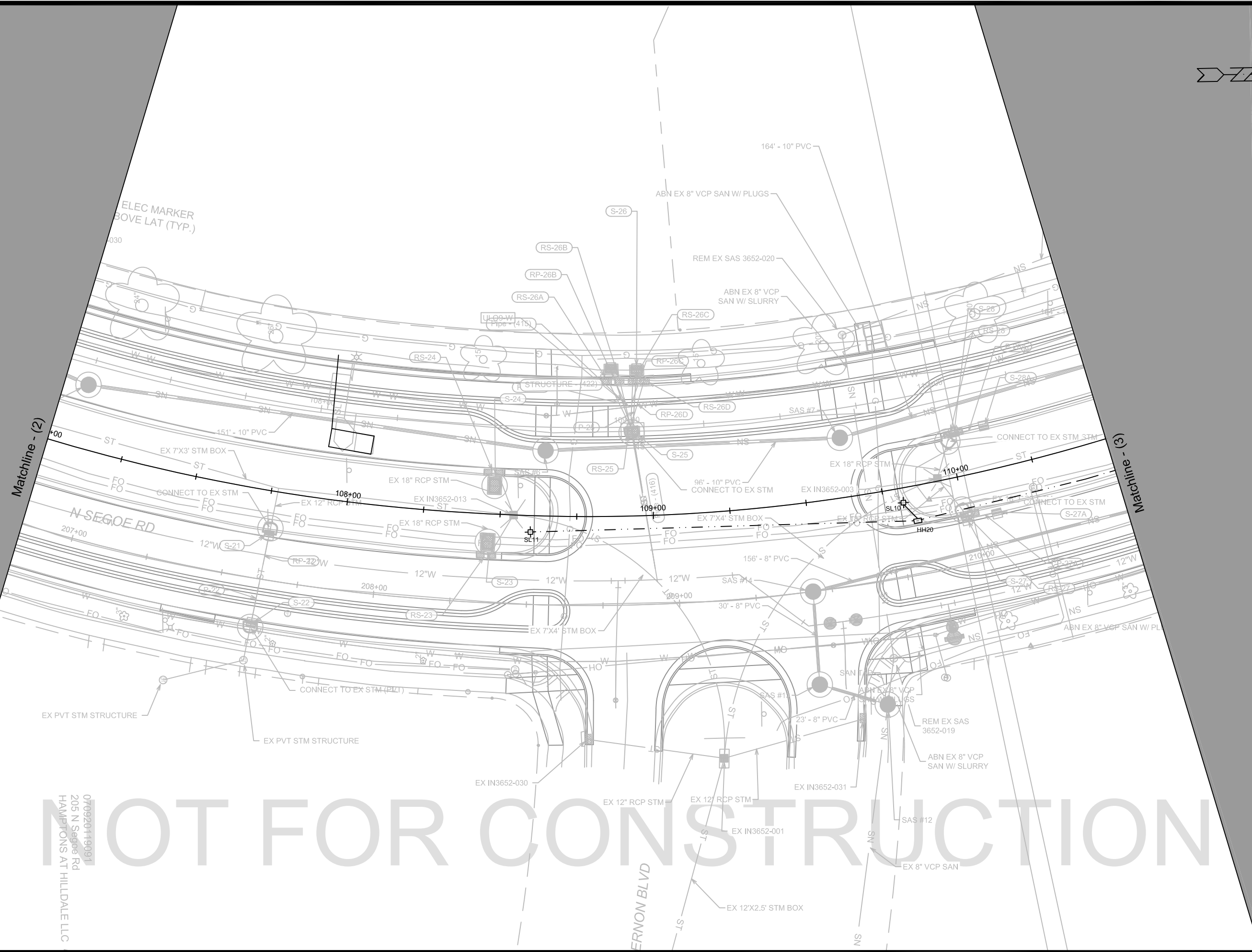
**MADISON, WI**

**CONTRACT NO: 8693**

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**14215**

**E-2**

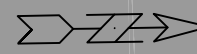


Matchline - (2)

Matchline - (3)

070920119091  
 205 N Segoe Rd  
 HAMPTONS AT HILDALE LLC


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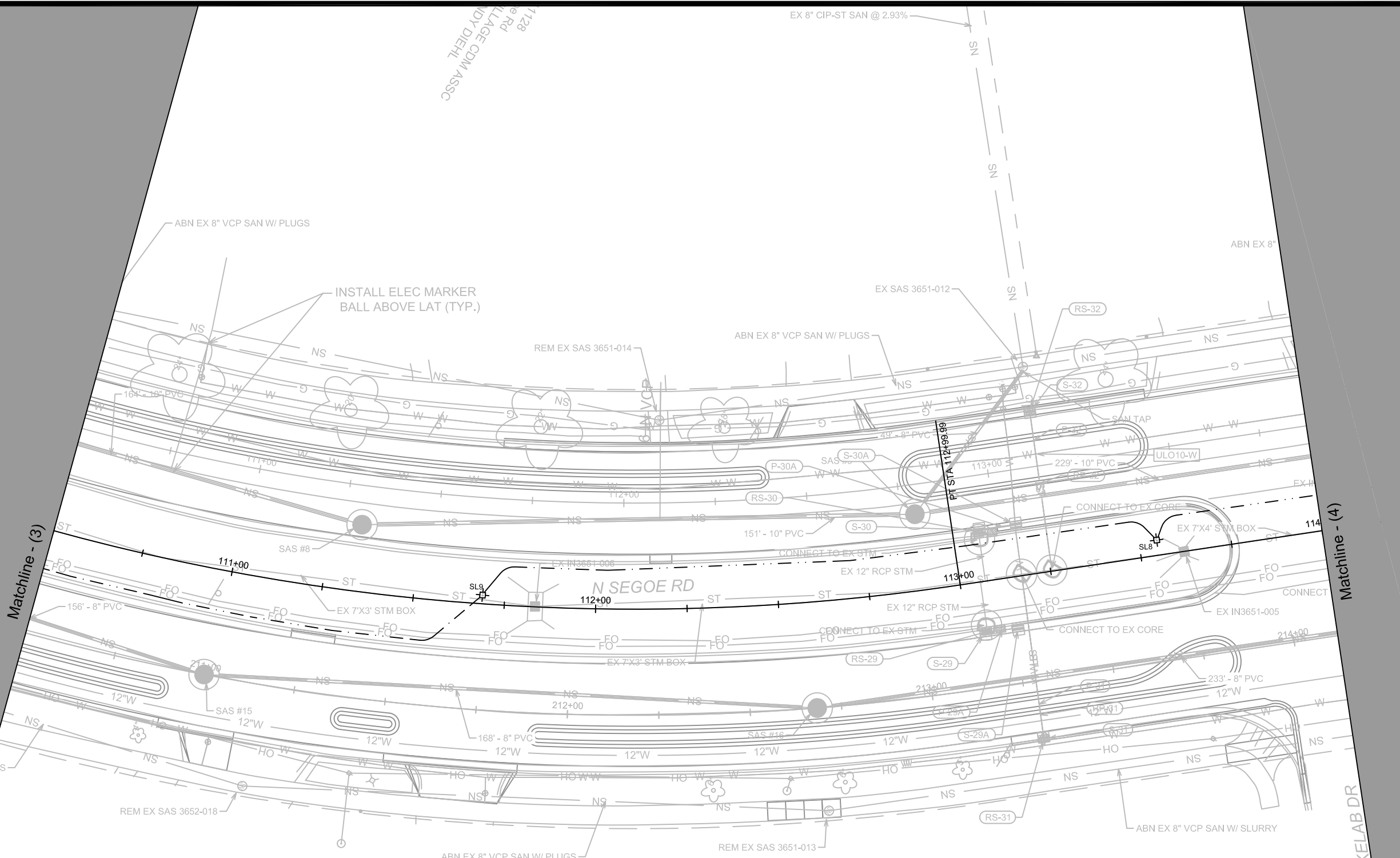
MARK	REVISION	DATE	BY
14215	Designated By: JLS	Date: 8/22/2023	Scale: 1" = 30'

14215  
 MADISON, WI  
 CONTRACT NO: 8693

E-3  
 SIGNAL AND LIGHTING PLAN  
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14215  
 E-3



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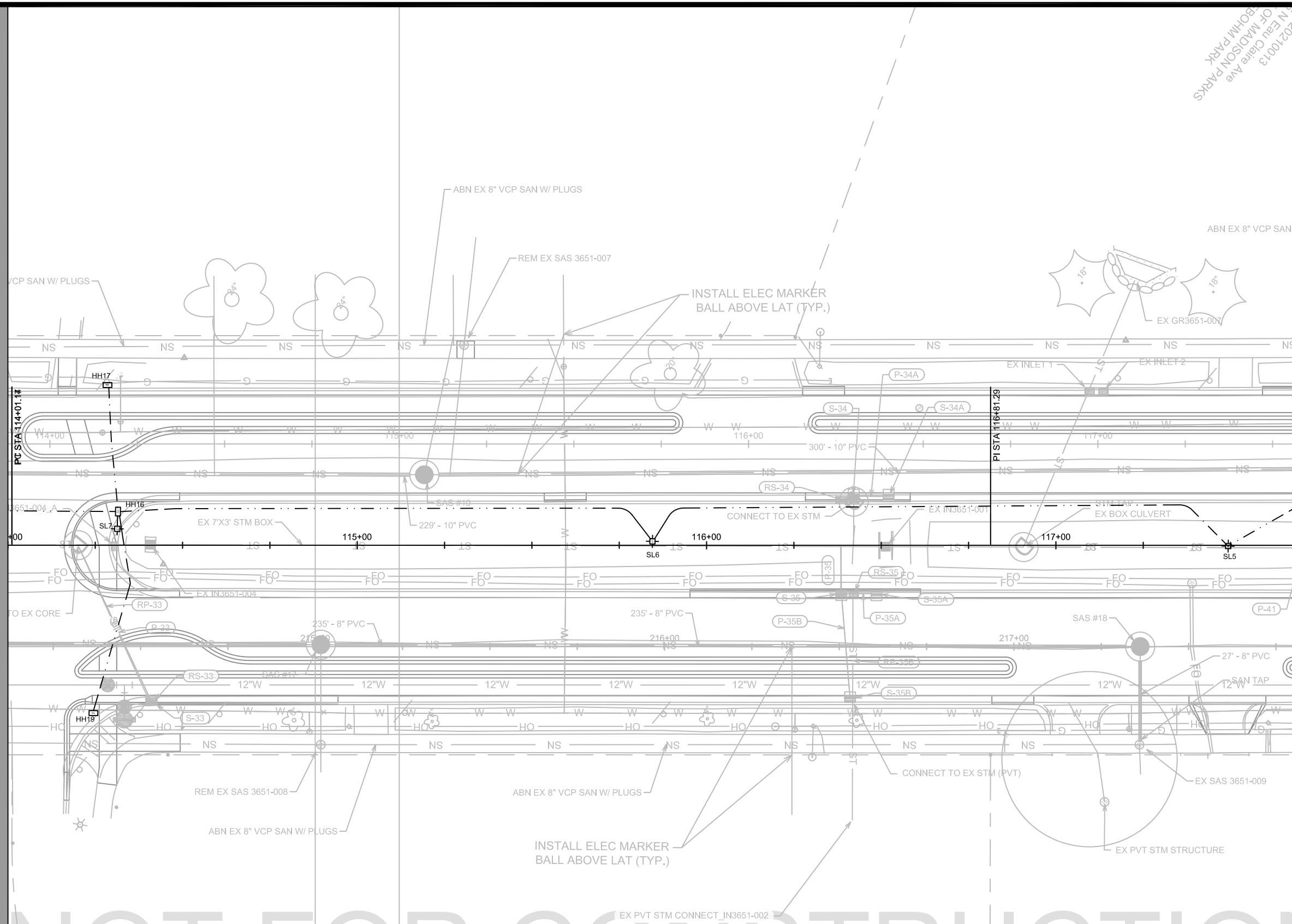
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Designed By: JLS		Date: 8/22/2023	
14215	E-4	Scale: 1" = 30'	

14215  
MADISON, WI  
CONTRACT NO: 8693

SIGNALS AND LIGHTING PLAN  
SEGOE ROAD AND SHEBOYGAN AVENUE RESURFACING  
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Matchline - (4)



Matchline - (5)

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02-10013  
OFF Madison Ave  
BOHM PARKS

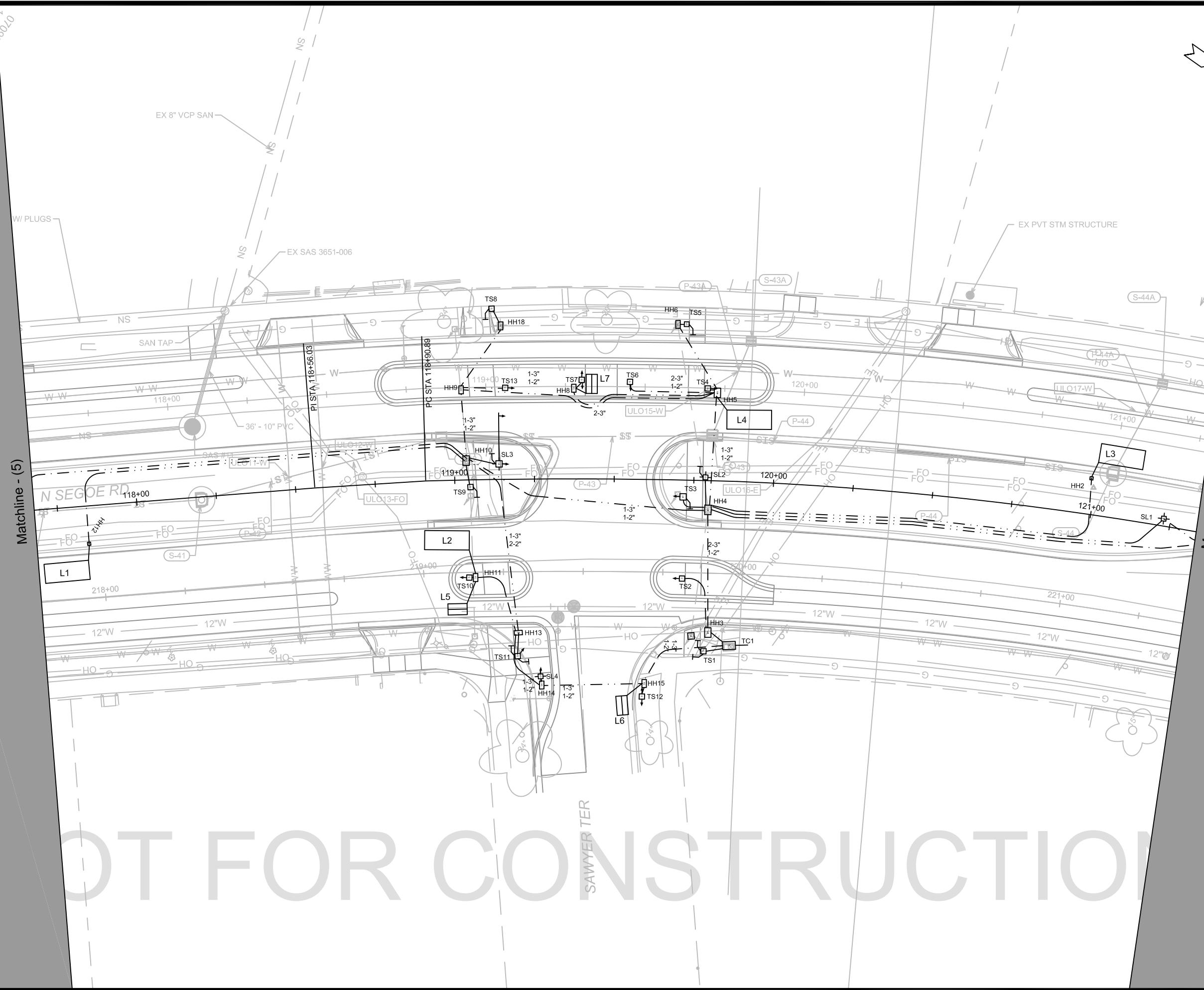
MARK	REVISION	DATE	BY
#1	REVISION 1	4-2-19	LMJ

CONTRACT NO: 987654  
 #####{###}#####

SIGNALS AND LIGHTING PLAN  
 SEGOE ROAD AND SHEBOYGAN AVENUE RESURFACING  
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14215  
 E-5



Matchline - (5)

Matchline - (6)

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REVISION	DATE	BY
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Designed By: JLS Date: 8/28/2023		
Scale: 1" = 30'		
E-6		

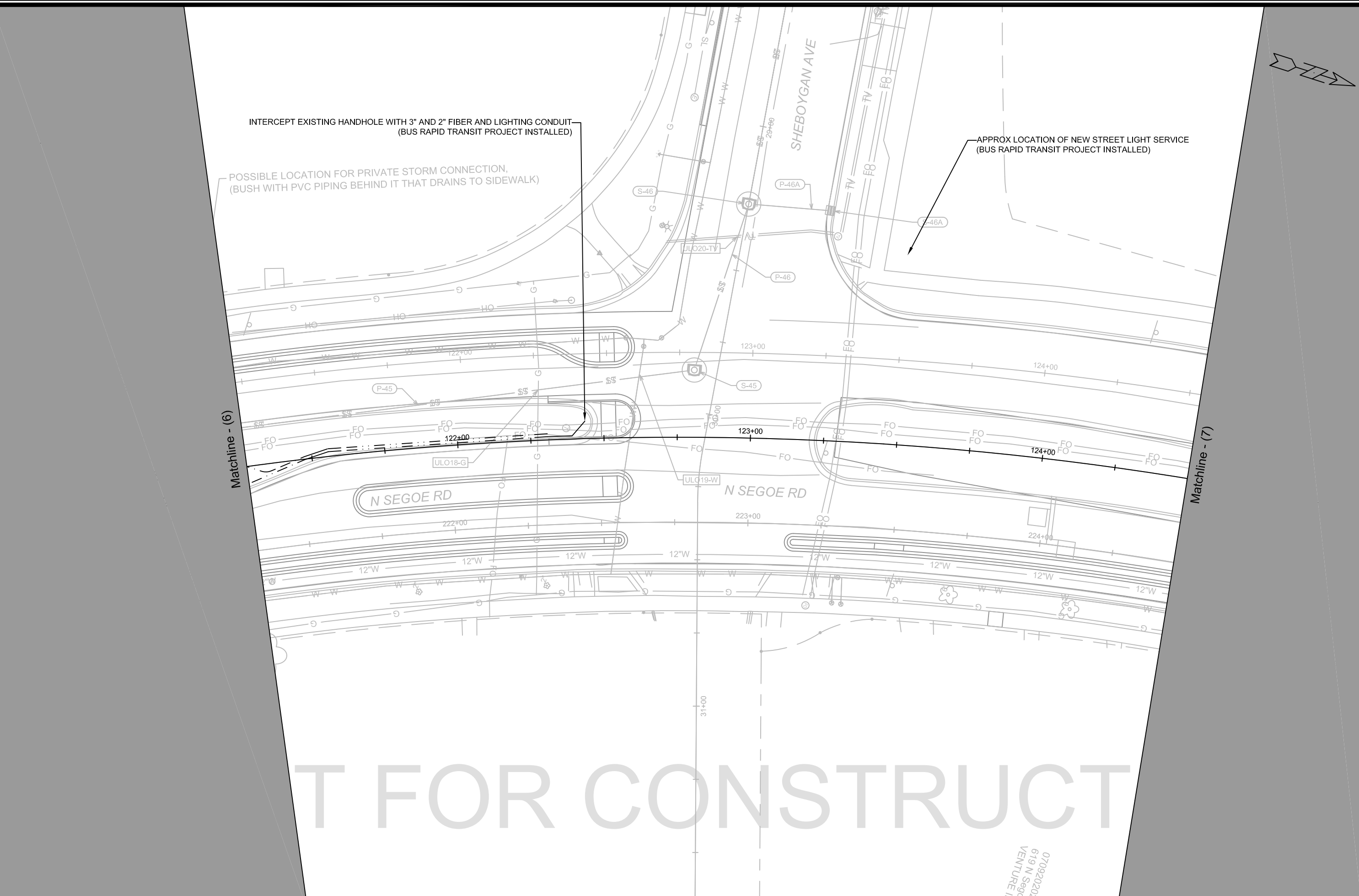
14215  
 MADISON, WI  
 8693  
 CONTRACT NO:

SIGNAL AND LIGHTING PLAN  
 SEGOE ROAD AND SHEBOYGAN AVENUE RESURFACING

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14215  
 E-6





INTERCEPT EXISTING HANDHOLE WITH 3" AND 2" FIBER AND LIGHTING CONDUIT  
(BUS RAPID TRANSIT PROJECT INSTALLED)

POSSIBLE LOCATION FOR PRIVATE STORM CONNECTION,  
(BUSH WITH PVC PIPING BEHIND IT THAT DRAINS TO SIDEWALK)


APPROX LOCATION OF NEW STREET LIGHT SERVICE  
(BUS RAPID TRANSIT PROJECT INSTALLED)

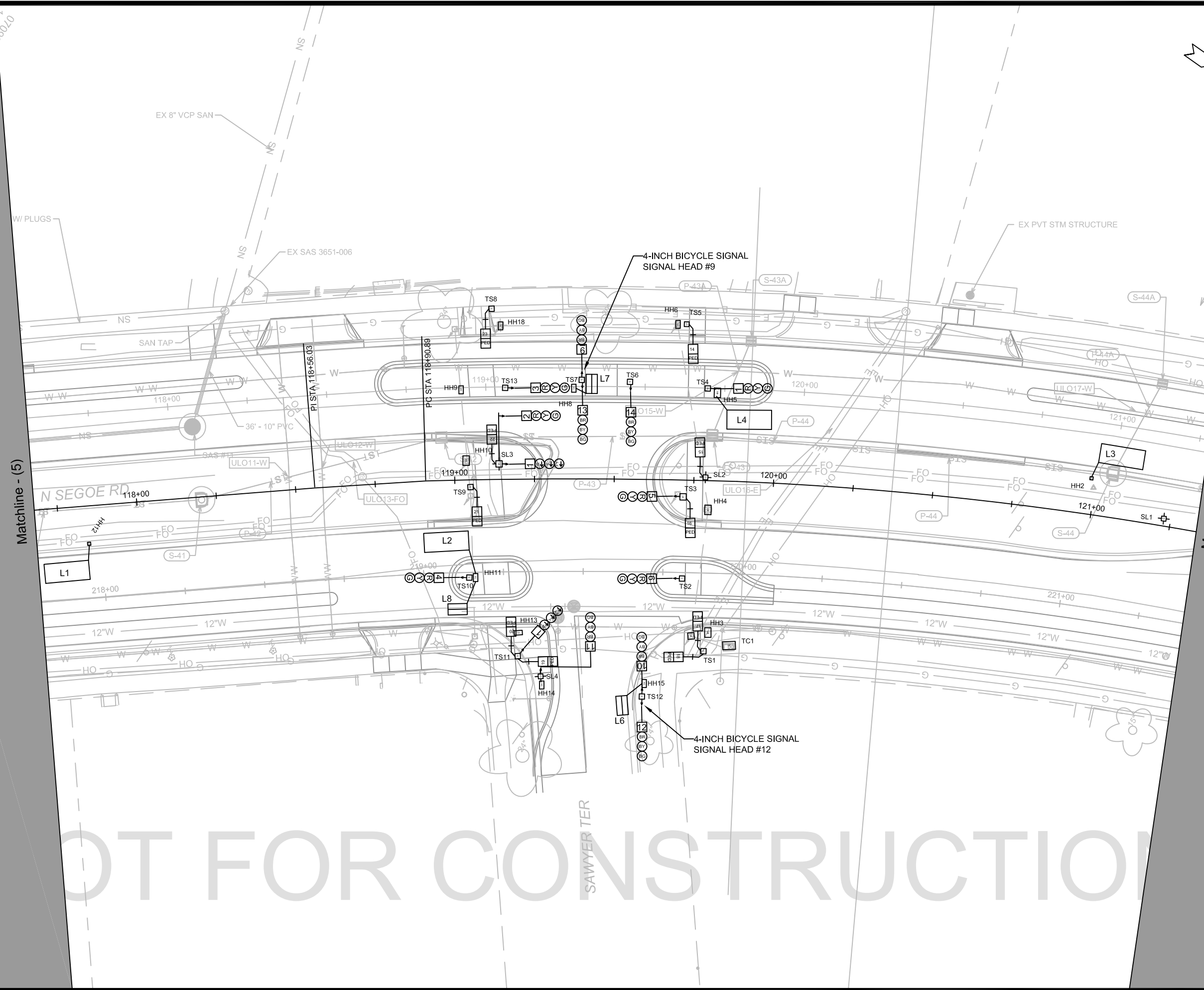
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07/09/2020  
619 N Segoe  
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SIGNALS AND LIGHTING		14215	14215
SEGOE ROAD AND SHEBOYGAN AVENUE RESURFACING		MADISON, WI	8693
M:\DESIGN\Projects\14215\CAD\Traffic\Z####\TE-Electrical_JLS.dwg		CONTRACT NO:	14215
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		E-7	E-7



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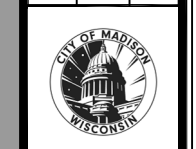
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NOT FOR CONSTRUCTION

MARK	REVISION	DATE	BY

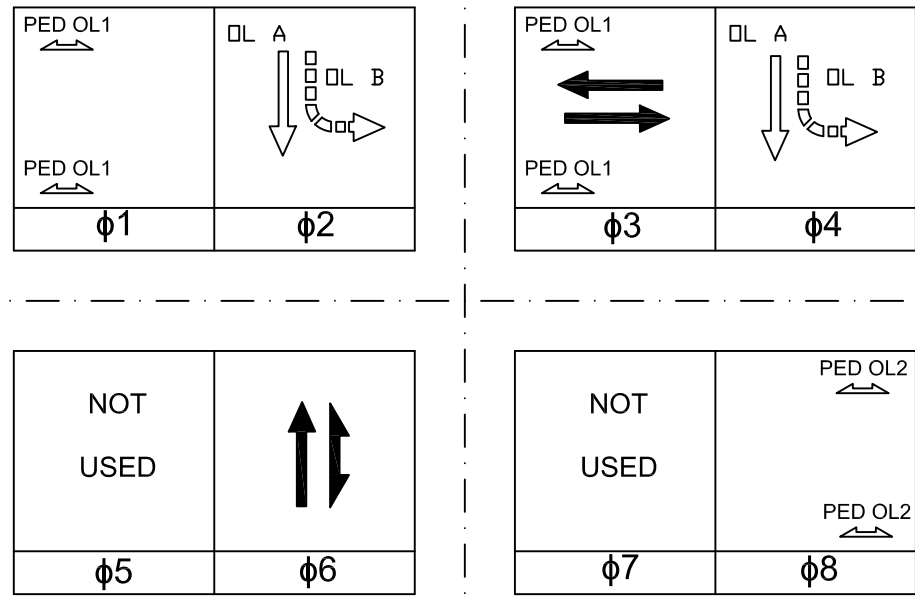
**SIGNAL AND LIGHTING PLAN**  
**14215**  
**SEGOE ROAD AND SHEBOYGAN AVENUE RESURFACING**  
**MADISON, WI**  
**8693**  
**CONTRACT NO:**

M:\DESIGN\Projects\14215\CAD\Traffic\Z###\TE-Electrical\_JLS.dwg  
 Designed By: JLS Date: 9/6/2023  
 Scale: 1" = 30'  
 E-8



14215  
 E-8

	HEAD NUMBERS	FLASH	O.L. ASSIGNMENTS
φ1			
φ2			
φ3			
φ4	9 - 14	R	
φ5			
φ6	4,5,6	Y	
φ7			
φ8			
PED OL 1	14,15,22,23		φ1 + φ3
φ4 PED			
φ6 PED	18,19		
φ8 PED	16,17,20,21		
OLA	1,2,3	Y	φ2 + φ4
OLB	7,8	Y	φ2 + φ4
OLX			
OLX			



PREEMPTION ASSIGNMENTS			
PREEMPTION DESIGNATION	PREEMPTION TYPE	EVP CHANNEL	PHASE(S) CALLED
1	RESERVED		
2	RESERVED		
3	NOT USED		
4	NOT USED		
5	NOT USED		
6	NOT USED		
7	NOT USED		
8	NOT USED		
9	NOT USED		
10	NOT USED		

CONTROLLER LOGIC				
PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / φ	PHASE RECALL	PHASE ACTIVE
1	X			X
2	X	X		X
3	X			X
4				X
5				
6	X	X		X
7				
8	X			X

PED BUTTON OPERATIONS:

NOTE A:  
PED CALL FROM WEST SIDE OF INTERSECTION WILL CALL PED PHASE 3, PED PHASE 8 LONG WALK, AND VEHICLE PHASE 4.

NOTE B:  
PED CALL FROM EAST SIDE OF INTERSECTION WILL CALL PED PHASE 8 SHORT WALK, VEHICLE PHASE 4, THEN PED PHASE 1.

PC 1 ON TS3 AND TS9, CALLS PED PHASE 8.  
PC 2 ON TS5 AND TS8, SEE NOTE A ABOVE.  
PC 4 ON SL2 AND SL3, CALLS PED PHASE 3  
PC 6 ON TS1 AND SL4 (X-ING SAWYER), CALLS PED 6  
PC 8 ON TS1 AND SL4 (X-ING SEGOE), SEE NOTE B ABOVE

TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	X
RADIO	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	L3	L1	L7					
PHASE CALLED	2	6	3					
PHASE EXTENDED	2	6	3					
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH	4.0	4.0						
LOOP FUNCTION			EB BIKE					

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	L4	L2	L8	L6				
PHASE CALLED	2	6	6	3				
PHASE EXTENDED	2	6		3				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION			NB BIKE	WB BIKE				

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

NOT FOR CONSTRUCTION

14215	14215	14215	14215	14215	14215	14215	14215
14215	14215	14215	14215	14215	14215	14215	14215
SEGOE & SAWYER SIGNAL SEQUENCE SHEET SEGOE ROAD AND SHEBOYGAN AVENUE RESURFACING CITY OF MADISON, WI CONTRACT NO: 8693 M:\DESIGN\Projects\14215\CAD\Traffic\14215_TE_SEGOE-SAWYER SIGNAL SEQUENCE SHEET.dwg DATE: 8/22/2023 BY: JLS MARK: JLS REVISION: 14215							
14215 E-9							



14215 - STREETLIGHTING CONDUIT

CATEGORY	From	To	SCHEDULE 40 (LF)		SCHEDULE 80 (LF)		ELECTRICAL TRENCH (LF)	GOPHER RACEWAY FOR ELECTRICAL CONDUIT (LF)	FURNISH & INSTALL 3 #4 AND 1 #8 WIRES (LF)	Comments
			3" (LF)	2" (LF)	2" (LF)	3" (LF)				
	EX HH1	SL1	-	125	-	-	125	-	125	
	SL1	HH4	-	150	-	-	150	-	150	
	HH4	SL2	10	-	-	-	10	-	10	
	HH4	HH10	-	-	80	-	-	80	80	
	HH10	SL3	12	-	-	-	12	-	12	
	HH10	HH13	-	-	65	-	-	50	65	
	HH13	SL4	6	-	-	-	6	-	6	
	HH10	SL5	-	160	-	-	160	-	160	
	SL5	SL6	-	188	-	-	188	-	188	
	SL6	HH16	-	160	-	-	160	-	160	
	HH16	SL7	-	6	-	-	6	-	6	
	HH16	SL8	-	-	80	-	-	80	80	
	SL8	SL9	-	200	-	-	200	-	200	
	SL9	HH20	-	200	-	-	200	-	200	
	HH20	SL10	-	8	-	-	8	-	8	
	HH20	SL11	-	-	126	-	126	-	126	
			28	1197	351	0	1431	130	1576	

14215 - TRAFFIC SIGNAL CONDUIT

CATEGORY	From	To	SCHEDULE 40 (LF)		SCHEDULE 80 (LF)		GOPHER RACEWAY FOR ELECTRICAL CONDUIT (LF)	ELECTRICAL TRENCH (LF)	Comments
			3" (LF)	2" (LF)	2" (LF)	3" (LF)			
	EXHH1	HH4	270	-	-	-	-	-	CITY FIBER, *
	HH2	HH4	-	132	-	-	-	16	*
	HH4	HH3	-	-	-	80	40	-	(2) - 3"
	HH3	TC1	16	8	-	-	-	8	(2) - 3", (1) - 2"
	TC1	TS1	-	9	-	-	-	-	(1) - 2"
	HH3	TS2	-	-	23	-	-	15	(1) - 2"
	HH4	TS3	-	8	-	-	-	-	(1) - 2"
	HH4	HH5	-	-	37	37	30	-	(1) - 3", (1) - 2"
	HH5	HH6	-	-	25	-	25	-	(1) - 2"
	HH6	TS5	-	5	-	-	-	5	(1) - 2"
	HH5	TS4	-	5	-	-	-	5	(1) - 2"
	HH5	HH9	-	78	-	-	-	78	(1) - 2"
	HH5	HH7	-	22	-	-	-	-	(1) - 2"
	HH7	HH8	-	-	33	-	-	-	(1) - 2"
	HH8	HH9	-	25	-	-	-	-	(1) - 2"
	HH9	HH18	-	-	18	-	18	-	(1) - 2"
	HH18	TS8	-	6	-	-	-	6	(1) - 2"
	HH4	HH10	-	-	-	80	-	-	(1) - 3", *
	HH10	TS9	-	10	-	-	-	10	(1) - 2"
	HH10	HH13	-	-	-	65	-	-	(1) - 3", *
	HH13	HH11	-	-	25	-	25	-	(1) - 2"
	HH11	TS10	-	3	-	-	-	3	(1) - 2"
	HH13	HH14	25	25	-	-	-	25	(1) - 3", (1) - 2"
	HH14	TS11	-	3	-	-	-	3	(1) - 2"
	HH14	HH15	-	-	33	33	33	-	(1) - 2", (1) - 3"
	HH15	TS12	-	5	-	-	-	5	(1) - 2"
	HH15	TC1	35	35	-	-	-	35	(1) - 2", (1) - 3"
	HH10	HH12	-	135	-	-	-	15	(1) - 2"
	HH17	HH16	-	-	-	35	35	-	(1) - 3"
	HH16	HH19	-	-	-	57	57	-	(1) - 3"
			346	514	194	387	263	229	

\* SHARED TRENCH WITH OTHERS



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SIGNAL AND LIGHTING - MISC. QUANTITIES  
SEGOE ROAD AND SHEBOYGAN AVENUE RESURFACING  
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14215 - STREET LIGHTING HANDHOLES

STATION	OFFSET	DESCRIPTION	60427	60702	60704	60706	COMMENTS
			REMOVE	CONSTRUCT ELECTRICAL HANDHOLE			
			ELECTRICAL HANDHOLE (EACH)	TYPE I (EACH)	TYPE III (EACH)	TYPE V (EACH)	
119+80 SEGOE ROAD	9' R	HH4	1	-	-	1	
119+05 SEGOE ROAD	6' L	HH10	-	-	-	1	
114+31 SEGOE ROAD	10' L	HH16	-	1	-		
114+26 SEGOE ROAD	46' L	HH17	-	1	-	-	
114+26 SEGOE ROAD	48' R	HH19	-	1	-	-	
109+85 SEGOE ROAD	11' R	HH20	-	1	-	-	
			1	4	0	2	

14215 - TRAFFIC SIGNAL HANDHOLES

STATION	OFFSET	DESCRIPTION	60427	60702	60704	60706	COMMENTS
			REMOVE	CONSTRUCT ELECTRICAL HANDHOLE			
			ELECTRICAL HANDHOLE (EACH)	TYPE I (EACH)	TYPE III (EACH)	TYPE V (EACH)	
120+98 SEGOE ROAD	11' L	HH2	-	-	1	-	
119+81 SEGOE ROAD	47' R	HH3	-	-	-	1	
119+81 SEGOE ROAD	28' L	HH5	-	-	-	1	
119+55 SEGOE ROAD	30' L	HH6	-	1	-	-	
---	---	HH7	-	-	-	-	REMOVED
119+38 SEGOE ROAD	29' L	HH8	-	1	-	-	
119+03 SEGOE ROAD	29' L	HH9	-	1	-	-	
119+06 SEGOE ROAD	30' R	HH11	-	1	-	-	
117+85 SEGOE ROAD	12' R	HH12	-	-	1	-	
119+19 SEGOE ROAD	48' R	HH13	-	1	-	-	
119+15 SEGOE ROAD	64' R	HH14	-	1	-	-	
119+60 SEGOE ROAD	64' R	HH15	-	1	-	-	
119+15 SEGOE ROAD	48' L	HH18	-	1	-	-	
			0	8	2	2	



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14215 - STREET LIGHT BASES

STATION	OFFSET	DESCRIPTION	CITY OF MADISON FURNISHED AND INSTALLED			LED LUMINAIRE, ARM, AND BRACKET		COMMENTS
			60415	60416	POLE 30-FOOT, 11 GAUGE SIMPLEX, TWIN MOUNT (EACH)	LED LUMINAIRE	SIMPLEX STREET LIGHT ARMS	
			LB-3R BASE (EACH)	SB-8R BASE (EACH)		TYPE 1 (EACH)	8 - FEET (EACH)	
121+22 SEGOE ROAD	2' L	SL1	1	-	1	2	2	
119+79 SEGOE ROAD	2' L	SL2	1	-	1	2	2	
119+12 SEGOE ROAD	5' L	SL3	-	1	-	2	2	
119+15 SEGOE ROAD	61' R	SL4	1	-	1	1	1	
117+50 SEGOE ROAD	6' L	SL5	1	-	1	2	2	
115+85 SEGOE ROAD	6' L	SL6	1	-	1	2	2	
114+33 SEGOE ROAD	5' L	SL7	1	-	1	2	2	
113+55 SEGOE ROAD	6' L	SL8	1	-	1	2	2	
111+70 SEGOE ROAD	2' L	SL9	1	-	1	2	2	
109+80 SEGOE ROAD	4' R	SL10	1	-	1	2	2	
108+60 SEGOE ROAD	4' L	SL11	1	-	1	2	2	
			10	1	10	21	21	



14215 - TRAFFIC SIGNAL BASES

STATION	OFFSET	DESCRIPTION	60423	60413	60415	60416	60417	COMMENTS
			TRAFFIC SIGNAL BASE REMOVAL (EACH)	TYPE P BASE (EACH)	CONSTRUCT BASES		GR BASE (EACH)	
			LB-3R BASE (EACH)	LB-8R BASE (EACH)	LB-3R BASE (EACH)	LB-8R BASE (EACH)	GR BASE (EACH)	
119+88 SEGOE ROAD	52' R	TC1	-	1	-	-	-	RE-USE EXISTING SIGNAL SERVICE
119+79 SEGOE ROAD	54' R	TS1	-	-	-	-	1	-
119+72 SEGOE ROAD	31' R	TS2	-	-	-	-	1	-
119+72 SEGOE ROAD	5' R	TS3	-	-	-	1	-	-
119+80 SEGOE ROAD	28' L	TS4	-	-	-	-	1	-
119+70 SEGOE ROAD	49' L	TS5	-	-	1	-	-	-
119+54 SEGOE ROAD	31' L	TS6	-	-	-	-	1	-
119+38 SEGOE ROAD	30' L	TS7	-	-	-	-	1	-
119+12 SEGOE ROAD	53' L	TS8	-	-	-	-	1	-
119+05 SEGOE ROAD	3' R	TS9	-	-	-	-	1	-
119+05 SEGOE ROAD	30' R	TS10	-	-	-	-	1	-
119+19 SEGOE ROAD	55' R	TS11	-	-	-	-	1	-
119+60 SEGOE ROAD	68' R	TS12	-	-	-	-	1	-
119+81 SEGOE ROAD	47' R	TS13	7	-	-	-	-	-
		UNDISTRIBUTED	7	-	-	-	-	ALL LOCATIONS AT SAWYER
		TOTALS:	14	1	1	1	10	

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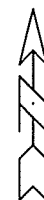
SIGNAL AND LIGHTING - MISC. QUANTITIES  
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 MADISON, WI  
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 SEGOE ROAD AND SHEBOYGAN AVENUE RESURFACING  
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14215 - TRAFFIC SIGNAL CONDUCTORS

FROM	TO	5-14 AWG (LF)	7-14 AWG (LF)	9-14 AWG (LF)	12-14 AWG (LF)	10 AWG (LF)	LOOP DETECTOR LEAD-IN CABLE SPECIAL (LF)	COMMENTS
TC1	TS1	-	25	-	-	10	-	-
TC1	TS2	40	-	-	-	25	-	-
TC1	TS3	-	70	-	-	55	-	-
TC1	SL2	80	-	-	-	65	-	-
TC1	TS4	105	-	-	-	90	-	-
TC1	TS5	-	-	130	-	115	-	-
TC1	TS6	130	-	-	-	110	-	-
TC1	TS7	-	165	-	-	135	-	-
TC1	TS8	-	-	200	-	180	-	-
TC1	TS9	160	-	-	-	145	-	-
TC1	SL3	-	-	-	200	170	-	-
TC1	TS10	120	-	-	-	105	-	-
TC1	SL4	-	-	105	-	90	-	-
TC1	TS11	85	-	-	-	65	-	-
TC1	TS12	-	-	65	-	50	-	-
TC1	HH2	-	-	-	-	-	185	-
TC1	HH5	-	-	-	-	-	90	-
TC1	HH11	-	-	-	-	-	220	(2) LOOP LEAD IN
TC1	HH12	-	-	-	-	-	275	-
TC1	HH15	-	-	-	-	-	40	-
TC1	HH8	-	-	-	-	-	135	-
TC1	TS13	-	65	-	-	30	-	-
TOTAL		720	325	500	200	1440	945	



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