

Madison, Wisconsin

# CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

## PLAN OF PROPOSED IMPROVEMENT

### WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING ASSESSMENT DISTRICT - 2024

**INDEX OF SHEETS**

SHEET NO.	NOTES AND DETAILS
D1	NOTES AND DETAILS
EC1-EC5	EROSION CONTROL PLANS
P1-P3	STREET PLAN & PROFILES
U1-U5	UTILITY PLAN & PROFILES
U6-U7	SANITARY SEWER SCHEDULE
U8-U9	STORM SEWER SCHEDULE
W1-W5	WATER PLANS
E1-E10	ELECTRICAL PLANS
M1-M3	PAVEMENT MARKING PLANS
TC1-TC5	TRAFFIC CONTROL PLANS
X1-X13	CROSS SECTIONS

NO MAINTENANCE PLAN REQUIRED

CITY PROJECT NO. 14389  
CONTRACT NO. 8746

### PROJECT LOCATION



**EARTHWORK SUMMARY:**

EXCAVATION CUT (MEASURED PLAN QUANTITY).....	0 CY
ESTIMATED UNDISTRIBUTED UNDERCUT.....	1000 CY
TOTAL UNCLASSIFIED EXCAVATION CUT.....	1000 CY

**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%.

PUBLIC IMPROVEMENT PROJECT APPROVED

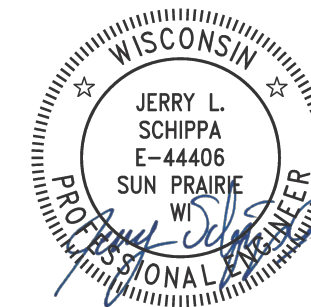
APPROVED MARCH 5TH, 2024

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

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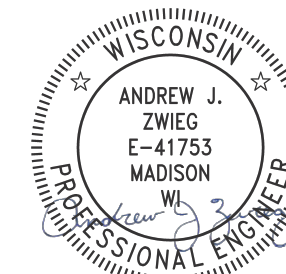
*[Signature]* Mar 14, 2024  
City Engineer Date

LIGHTING DESIGNED BY:



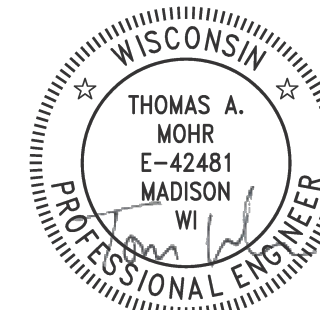
Mar 14, 2024

STREET DESIGNED BY:



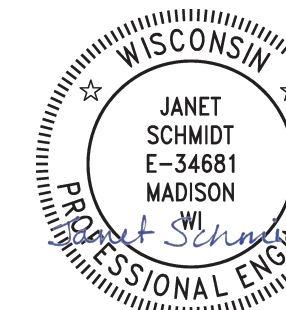
Mar 14, 2024

PAVEMENT MARKINGS DESIGNED BY:



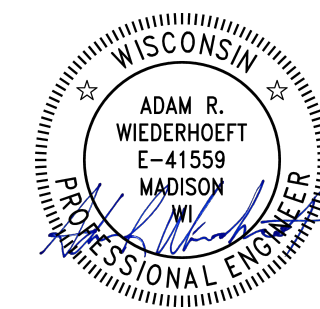
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STORM SEWER DESIGNED BY:



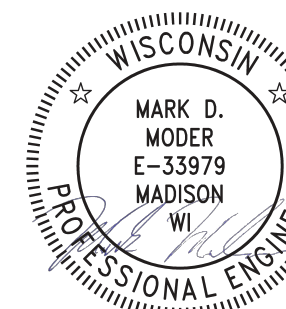
Mar 14, 2024

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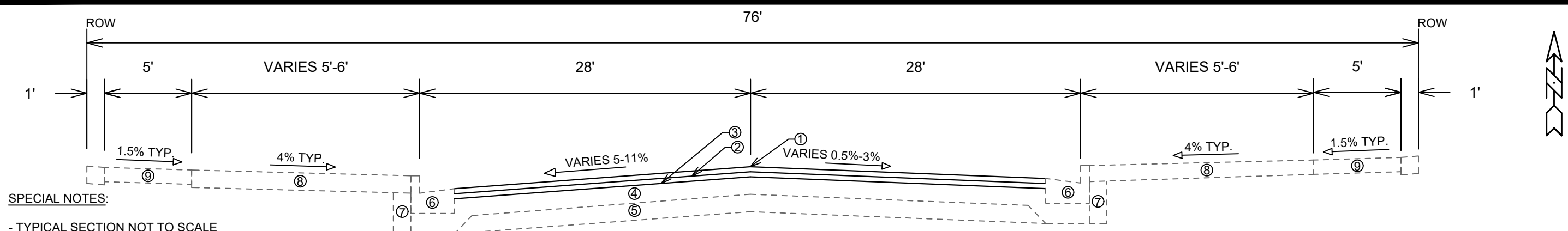


Mar 14, 2024

SANITARY SEWER DESIGNED BY:



Mar 14, 2024

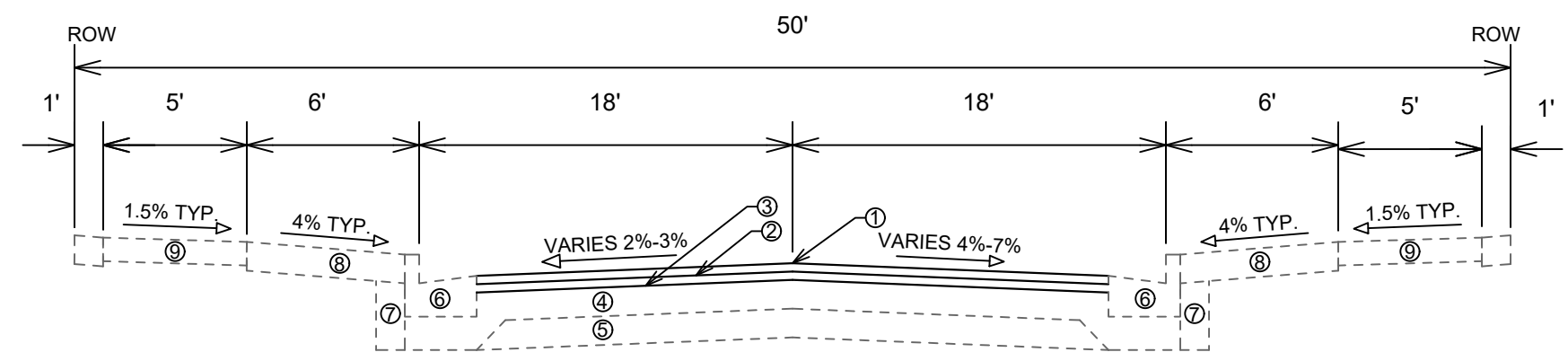


**SPECIAL NOTES:**

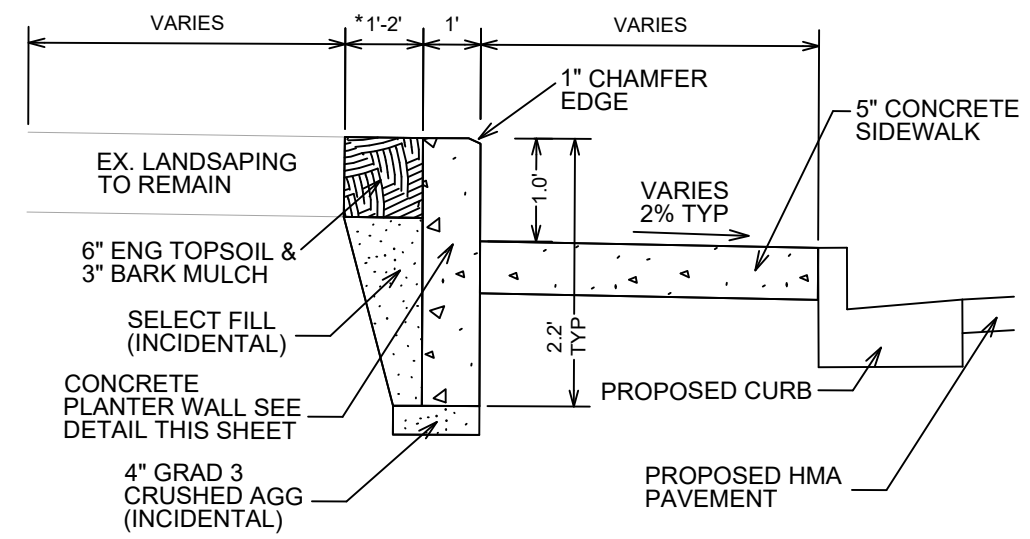
- TYPICAL SECTION NOT TO SCALE
- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS

**TYPICAL SECTION  
WEST WASHINGTON AVENUE**

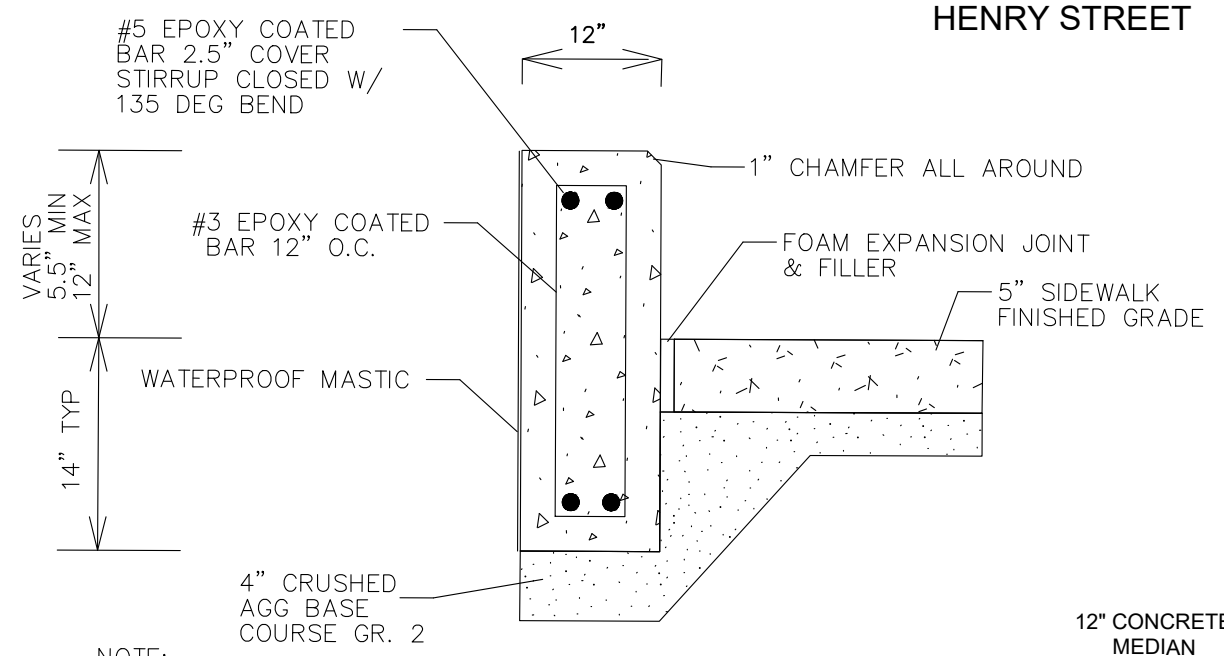
- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (UPPER LAYER, HENRY STREET)
- ③ 2" HMA PAVEMENT, TYPE 4 MT 58-28 S (UPPER LAYER, WEST WASHINGTON AVE)
- ④ 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (LOWER LAYER, HENRY STREET)
- ⑤ 2.5" HMA PAVEMENT, TYPE 3 MT 58-28 S (LOWER LAYER, WEST WASHINGTON)
- ⑥ UNDERCUT ONLY - 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE (UPPER LAYER)
- ⑦ UNDERCUT ONLY - 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE (LOWER LAYER)
- ⑧ CONCRETE CURB AND GUTTER TYPE 'A' SPOT REPLACEMENT AS NEEDED
- ⑨ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑩ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING
- ⑪ 5" CONCRETE SIDEWALK SPOT REPLACEMENT AS NEEDED, SEE PLAN AND PROFILE SHEETS FOR LOCATIONS



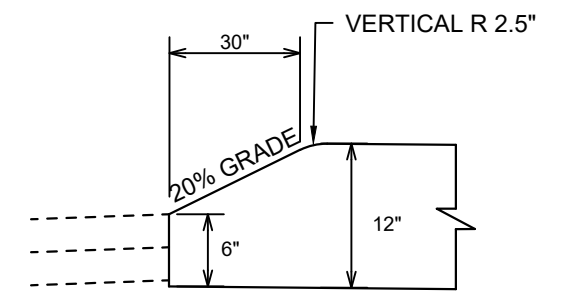
**TYPICAL SECTION  
HENRY STREET**



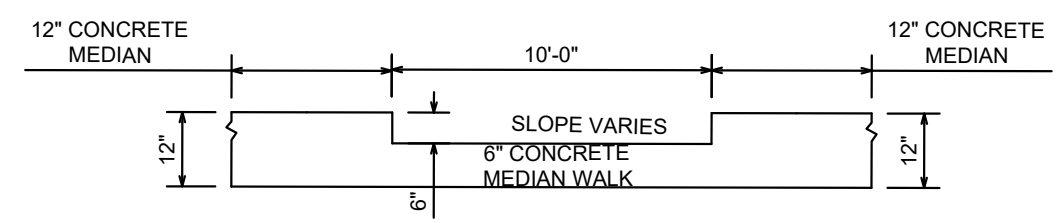
**SIDEWALK & PLANTER DETAIL  
NOT TO SCALE**



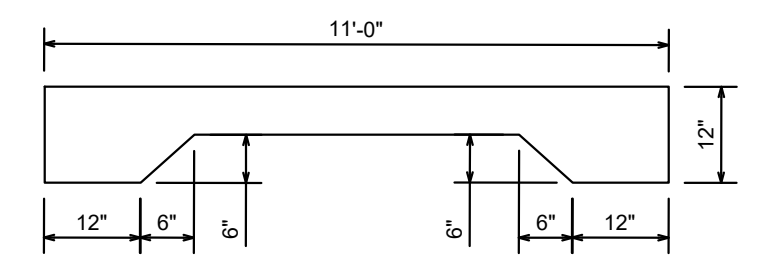
**CONCRETE PLANTER WALL DETAIL  
NOT TO SCALE**



**12" MEDIAN NOSE  
PROFILE VIEW  
PAY AS 12" CONCRETE MEDIAN  
NOT TO SCALE**



**MEDIAN WALK  
PROFILE VIEW  
PAY AS 12" CONCRETE MEDIAN  
NOT TO SCALE**



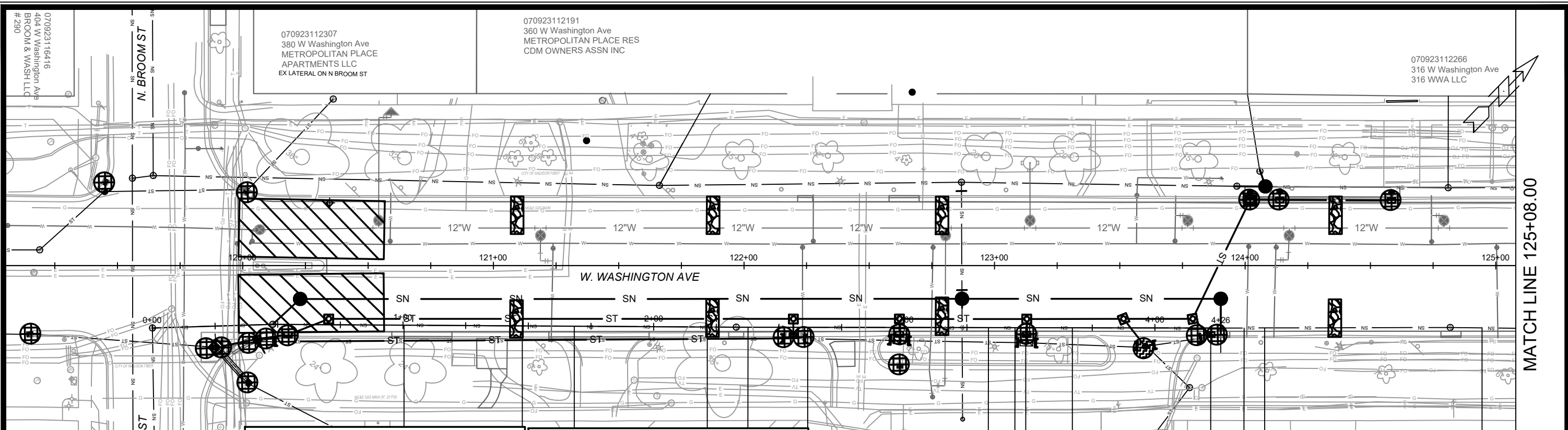
**12" MEDIAN - SECTION A-A  
SECTION VIEW ONLY WHERE MEDIAN WIDTH IS 11'  
PAY AS 12" CONCRETE MEDIAN  
NOT TO SCALE**

- NOTE:**
- ALL EXPANSION AND CONTRACTION JOINTS TO RECEIVE FELT STRIP. ALL EXPOSED EXPANSION JOINTS TO BE CAULKED.
  - CONCRETE PLANTER WALL INCLUDES ALL REBAR, MASTIC, AND BASE MATERIAL, AND SELECT FILL FOR BACKFILL.

DATE	BY
REVISION	
Scale: NTS	D-1
Designed By: MFG	Date: 3/13/2024 10:23 AM
MARK	14389

14389  
MADISON, WI  
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
CONTRACT NO.: 8746  
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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.

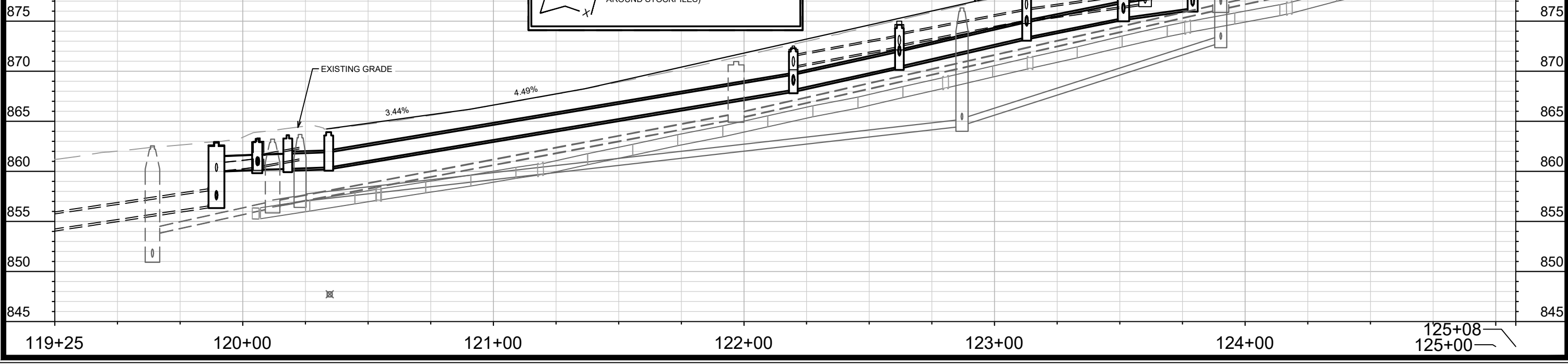
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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. RIGID FRAME INLET PROTECTION SHALL ALSO BE INSTALLED AT THE INTERSECTION OF NORTH HENRY STREET AND WEST MIFFLIN STREET (TWO TOTAL). ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.

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

- TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION WILL NOT FIT STRUCTURE.
- FABRIC FLAPS MUST BE CUT TO LEAVE LESS THAN 6" AROUND GRATE.
  - 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
  - FILTER MUST BE SECURED WITH WIRE OR PLASTIC TIES.
  - FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.
- CONSTRUCTION ENTRANCES SHALL BE PLACED AT THE ENDS OF CONSTRUCTION LIMITS FOR EACH TRAFFIC CONTROL PHASE.
- TRACKOUT CONTROL (CONSTRUCTION ENTRANCE) - INSTALL TYPE HR FILTER FABRIC, 3" CLEAR STONE, MIN 1' DEPTH X 50' LONG X ROAD WIDTH
  - RIGID FRAME INLET PROTECTION
  - TYPE C INLET PROTECTION
  - STREET CONSTRUCTION STONE BERM (VELOCITY CHECK)
  - SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)



MARK	REVISION	DATE	BY
14389	14389	3/6/2024 2:32 PM	EC-1

14389

MADISON, WI

8746

CONTRACT NO:

EROSION CONTROL PLAN - W. WASHINGTON AVE (SOUTH SIDE)

W. WASHINGTON AVENUE & HENRY STREET RESURFACING

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14389

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MATCH LINE 125+08.00

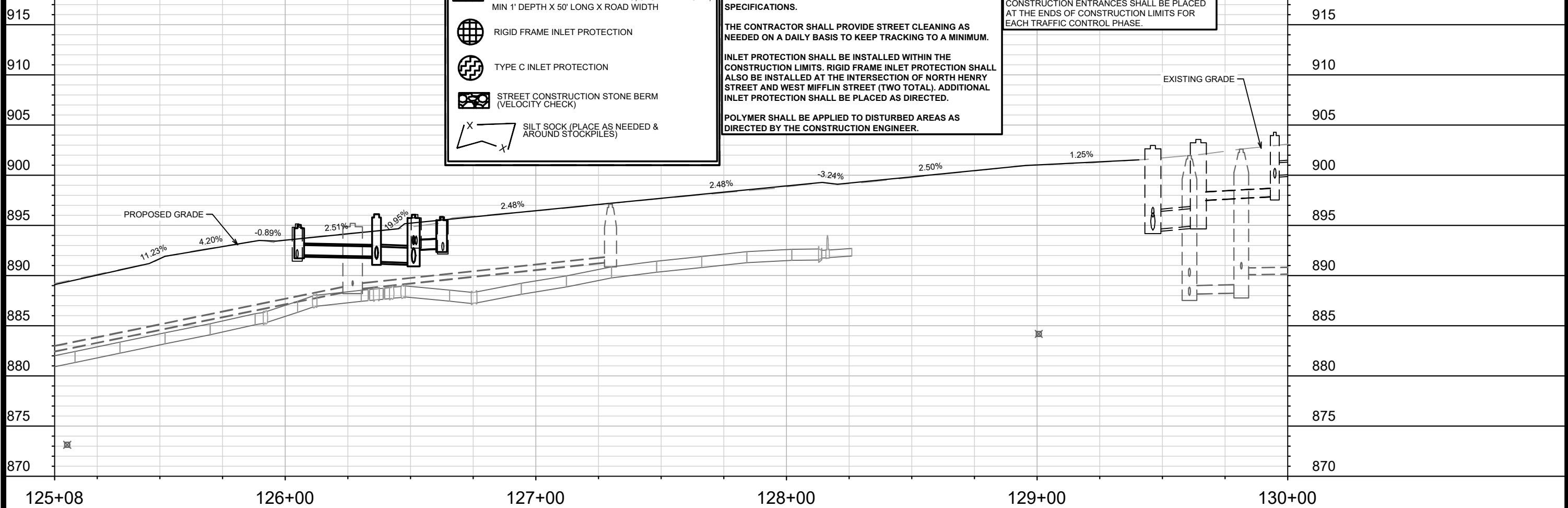
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10 N Henry St  
FREEDOM FROM RELIGION  
FOUNDATION INC  
EX LATERAL ON N HENRY ST

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222 W Washington Ave  
FIORE COAL & OIL & 20TH  
CENT MKTS& W WASH ASC LLC

070923109130  
122 W Washington Ave  
HOVDE BUILDING LLC  
STE 350

070923109015  
116 W Washington Ave  
GRACE EPISCOPAL CHURCH

070923117018  
309 W Washington Ave Unit CDM  
CAPITOL WEST CDM OWNRS  
ASSC ATTN FOUNERS3



**TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION WILL NOT FIT STRUCTURE.**

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**TRACKOUT CONTROL (CONSTRUCTION ENTRANCE)**  
- INSTALL TYPE HR FILTER FABRIC, 3" CLEAR STONE, MIN 1' DEPTH X 50' LONG X ROAD WIDTH

**RIGID FRAME INLET PROTECTION**

**TYPE C INLET PROTECTION**

**STREET CONSTRUCTION STONE BERM (VELOCITY CHECK)**

**SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)**

**EROSION CONTROL NOTES:**

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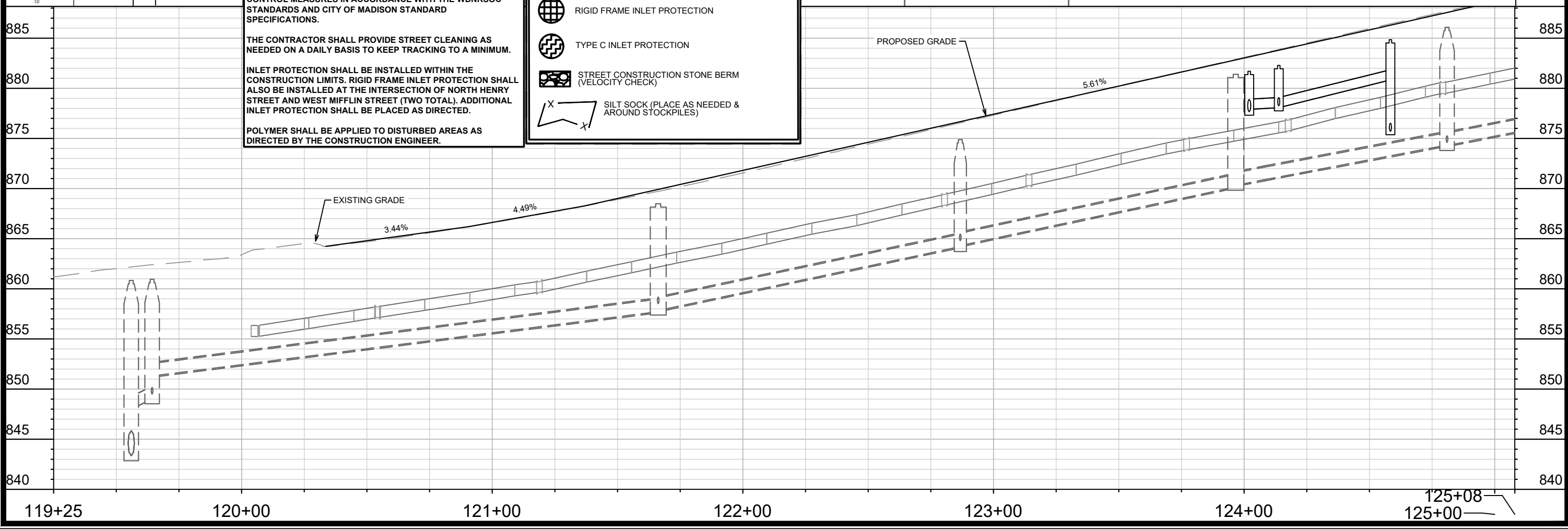
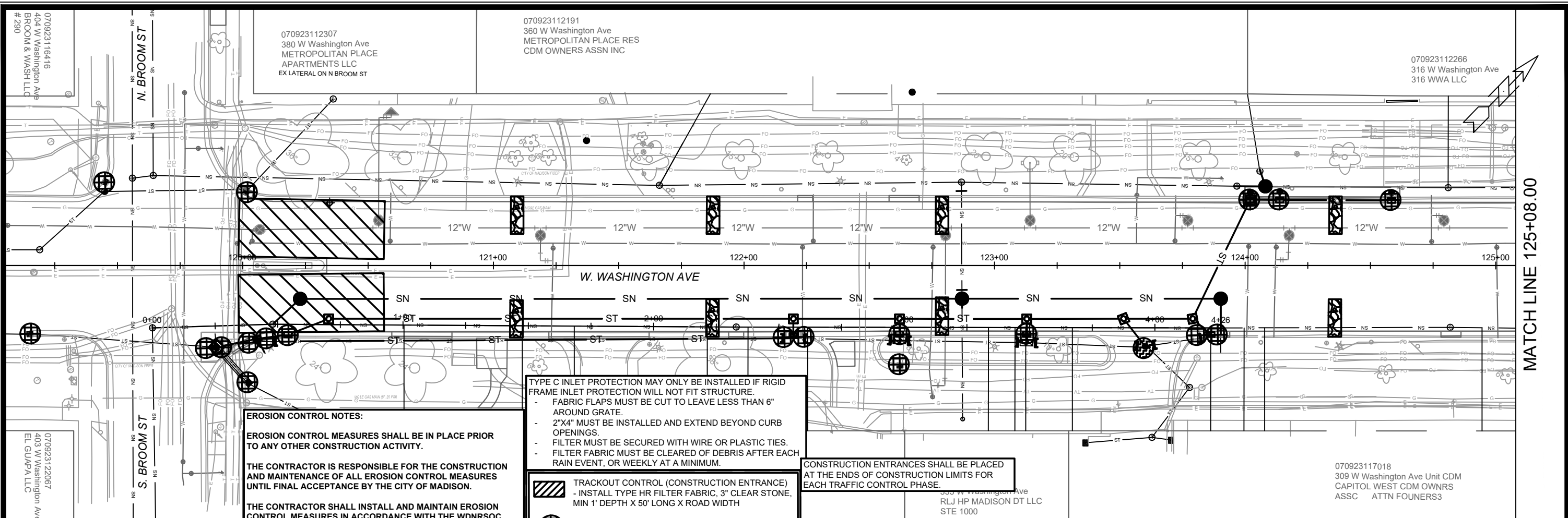
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**CONSTRUCTION ENTRANCES SHALL BE PLACED AT THE ENDS OF CONSTRUCTION LIMITS FOR EACH TRAFFIC CONTROL PHASE.**

DATE	BY
REVISION	
Scale: 1" = 40'	
Designed By: EAC	Date: 3/6/2024 2:32 PM
MARK	14389

14389  
MADISON, WI  
CONTRACT NO.: 8746  
EROSION CONTROL PLAN - W. WASHINGTON AVE (SOUTH SIDE)  
W. WASHINGTON AVENUE & HENRY STREET RESURFACING  
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14389  
EC-2



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  - SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)

070923116416  
404 W Washington Ave  
BROOM & WASH LLC  
# 290

070923122067  
403 W Washington Ave  
EL GUAPPA LLC

070923112307  
380 W Washington Ave  
METROPOLITAN PLACE  
APARTMENTS LLC  
EX LATERAL ON N BROOM ST

070923112191  
360 W Washington Ave  
METROPOLITAN PLACE RES  
CDM OWNERS ASSN INC

070923112266  
316 W Washington Ave  
316 WWA LLC

070923117018  
309 W Washington Ave Unit CDM  
CAPITOL WEST CDM OWNERS  
ASSC ATTN FOUNERS3

DATE	BY
REVISION	
MARK	
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Scale: 1" = 40'	
14389	EC-3

14389

MADISON, WI

8746

CONTRACT NO:

EROSION CONTROL PLAN - W. WASHINGTON AVE (NORTH SIDE)

W. WASHINGTON AVENUE & HENRY STREET RESURFACING

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14389

EC-3

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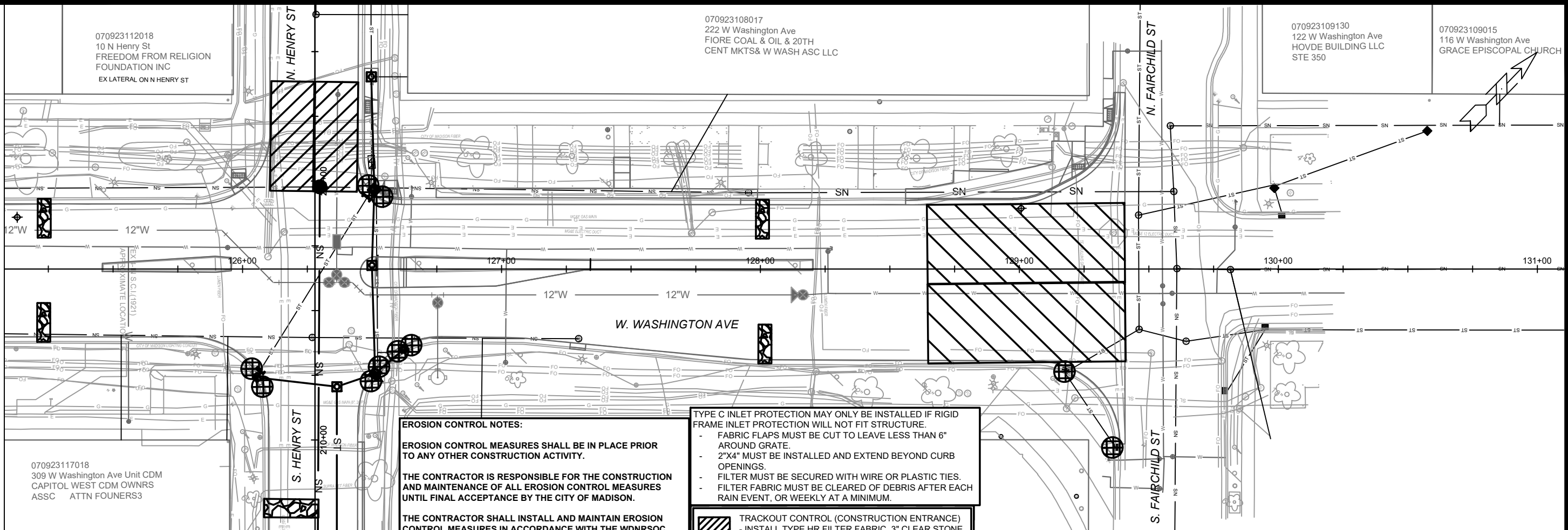
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10 N Henry St  
FREEDOM FROM RELIGION  
FOUNDATION INC  
EX LATERAL ON N HENRY ST

070923108017  
222 W Washington Ave  
FIORE COAL & OIL & 20TH  
CENT MKTS& W WASH ASC LLC

070923109130  
122 W Washington Ave  
HOVDE BUILDING LLC  
STE 350

070923109015  
116 W Washington Ave  
GRACE EPISCOPAL CHURCH

070923117018  
309 W Washington Ave Unit CDM  
CAPITOL WEST CDM OWNRS  
ASSC ATTN FOUNERS3



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
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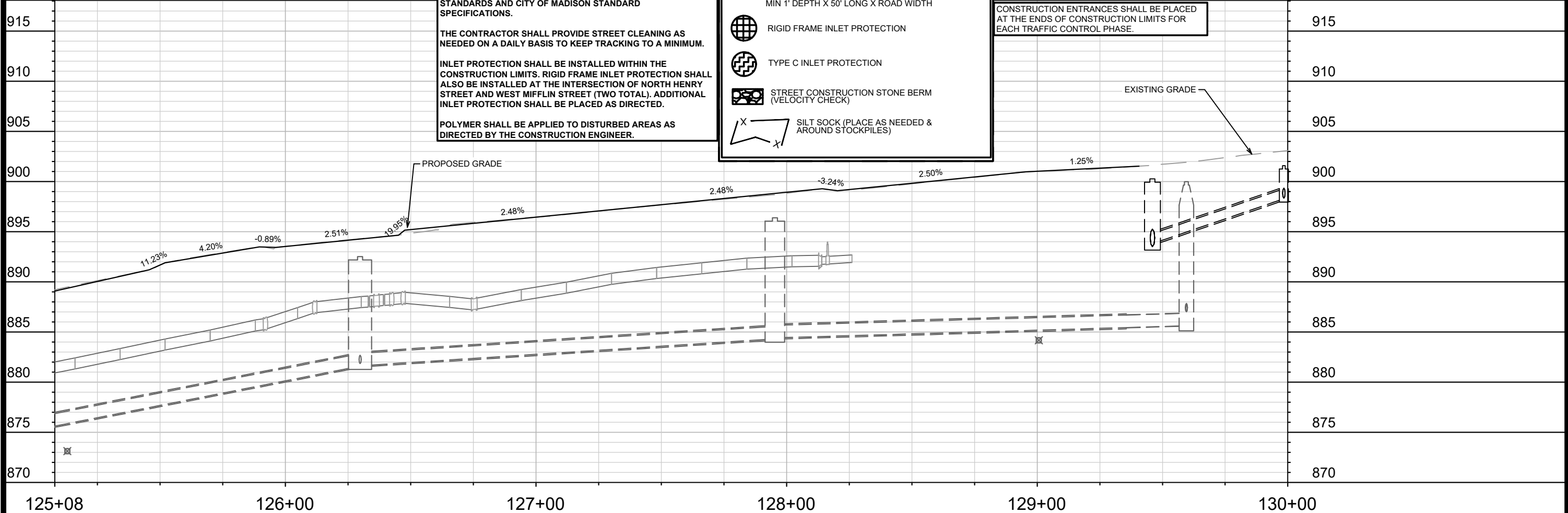
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MARK	REVISION	DATE	BY
14389	EC-4	3/6/2024 2:32 PM	

14389  
MADISON, WI  
CONTRACT NO.: 8746  
EROSION CONTROL PLAN - W. WASHINGTON AVE (NORTH SIDE)  
W. WASHINGTON AVENUE & HENRY STREET RESURFACING  
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14389  
EC-4

070923108017  
 222 W Washington Ave  
 FIORE COAL & OIL & 20TH  
 CENT MKTS & W WASH ASC LLC  
 EX LATERAL ON W WASHINGTON AVE

070923111052  
 204 W Main St  
 ST RAPHAEL'S CONGREGATION

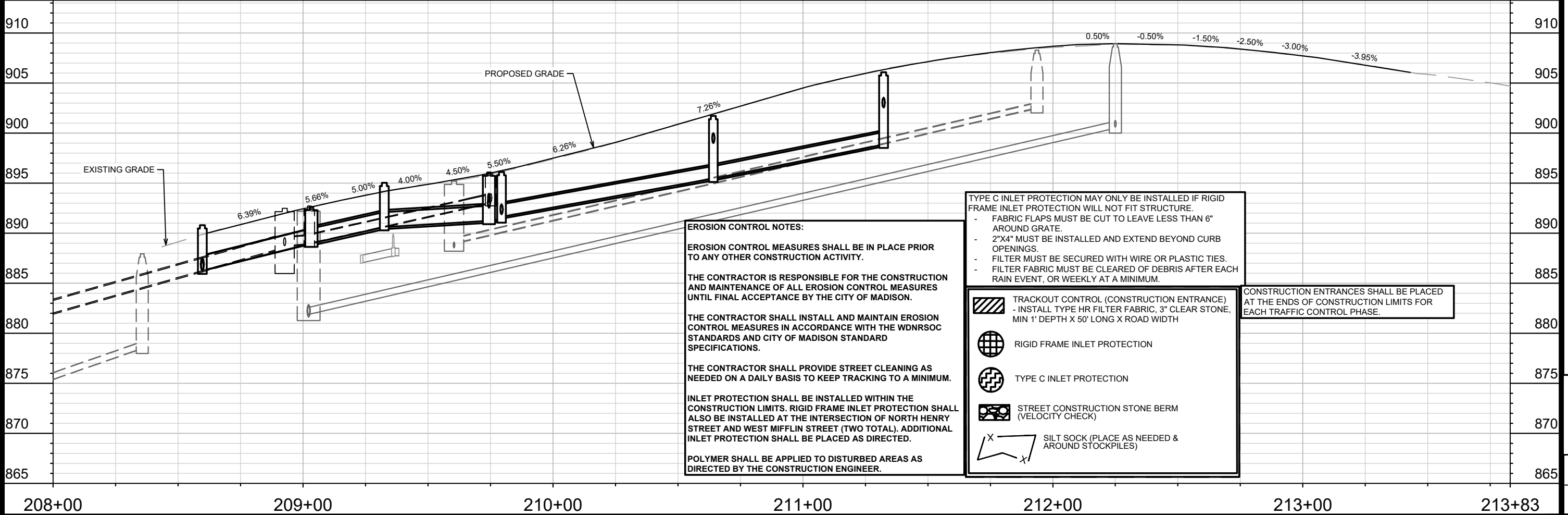
N. HENRY ST

S. HENRY ST

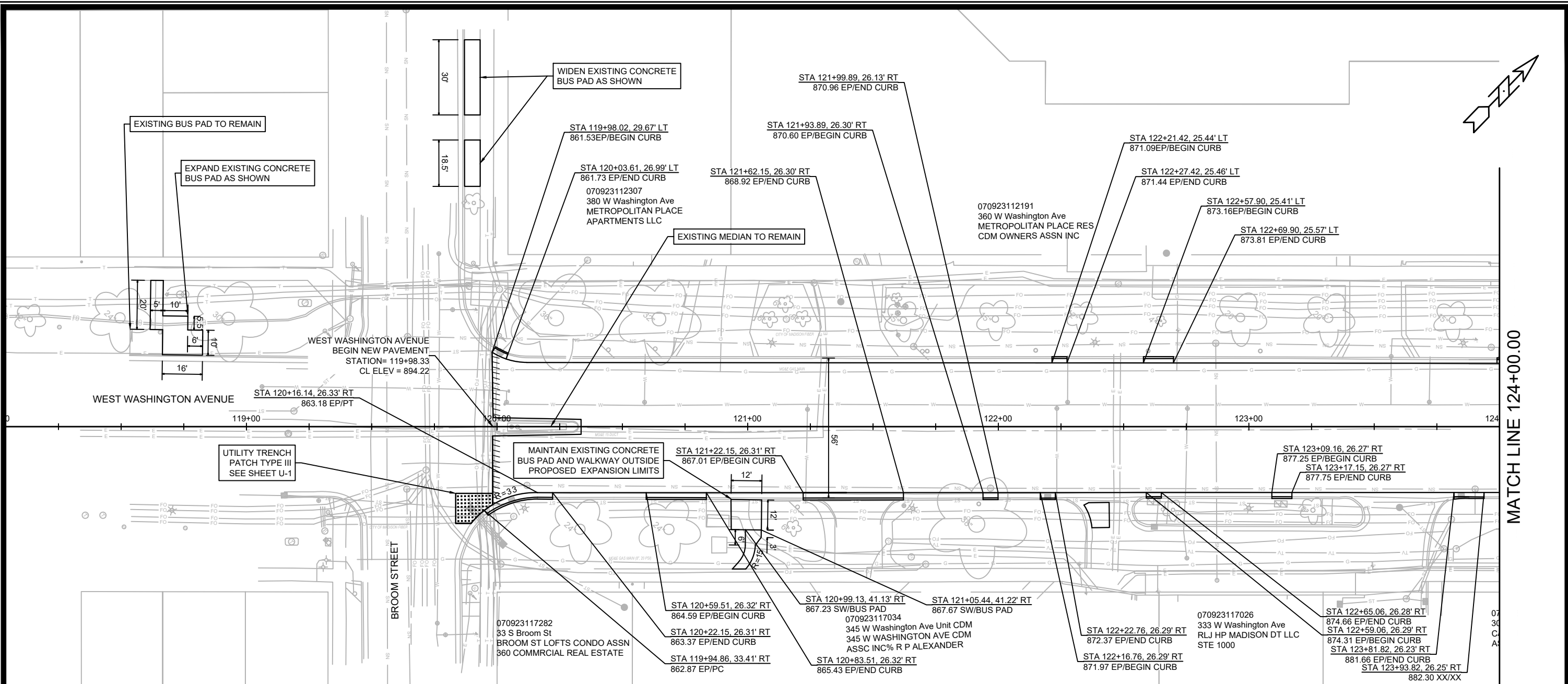
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 10 N Henry St  
 FREEDOM FROM RELIGION  
 FOUNDATION INC  
 EX LATERAL ON N HENRY ST

070923117018  
 309 W Washington Ave Unit CDM  
 CAPITOL WEST CDM OWNRS  
 ASSC ATTN FOUNERS3  
 EX LATERAL ON W WASHINGTON AVE

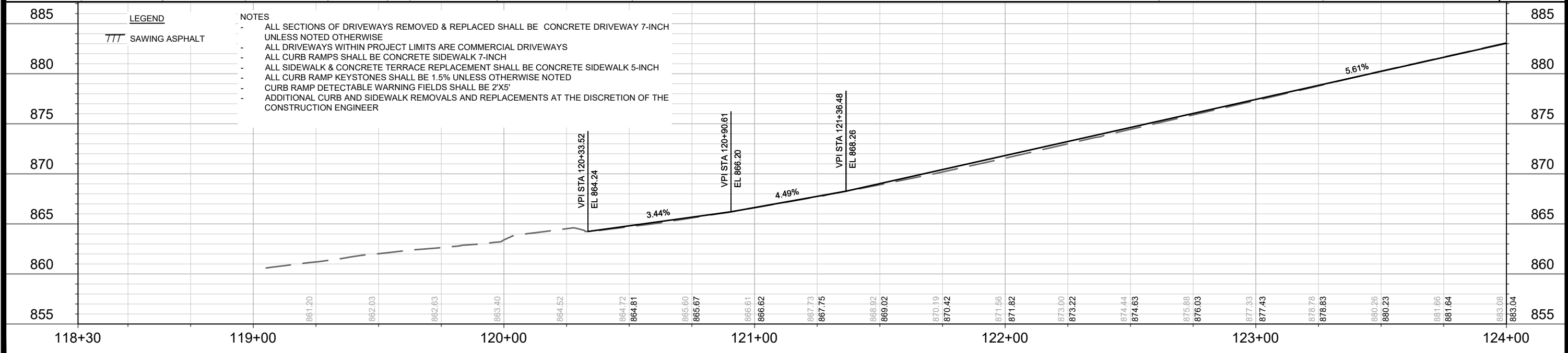
070923117224  
 306 W Main St  
 306 APARTMENTS LLC



14389	MADISON, WI	8746	14389	EC-5
EROSION CONTROL PLAN - HENRY ST				
W. WASHINGTON AVENUE & HENRY STREET RESURFACING				
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Designed By: EAC	Date: 3/6/2024 2:32 PM			Scale: 1" = 40'
14389				EC-5



MATCH LINE 124+00.00



**LEGEND**  
 TTT SAWING ASPHALT

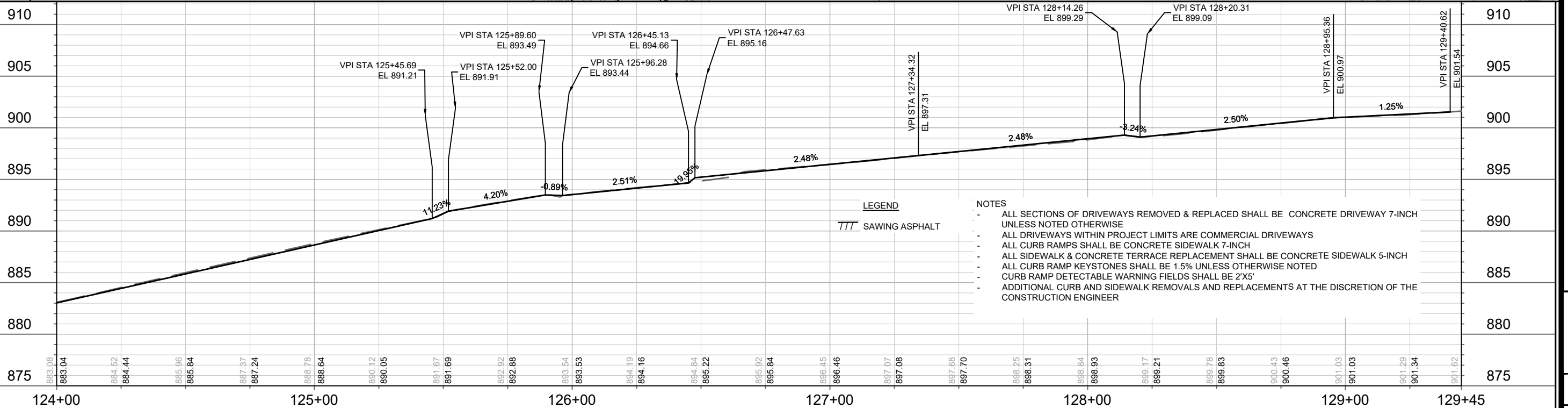
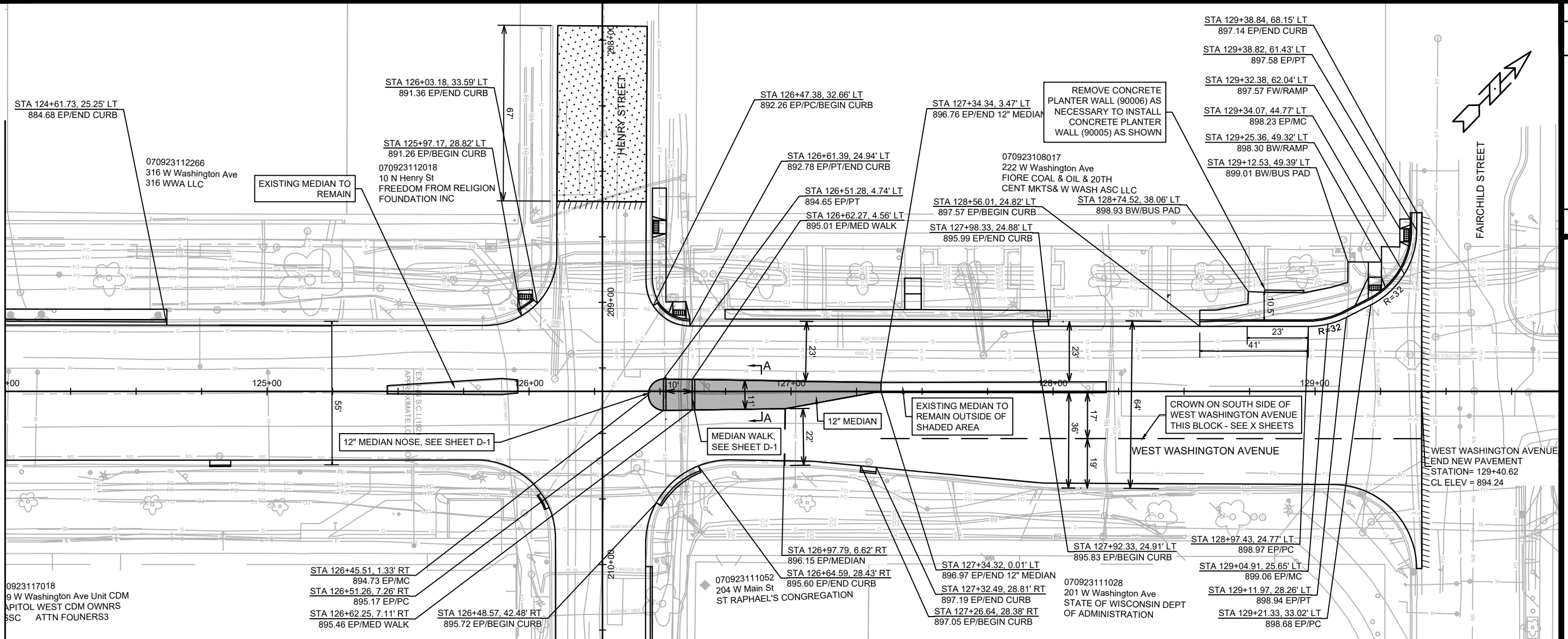
**NOTES**  
 - ALL SECTIONS OF DRIVEWAYS REMOVED & REPLACED SHALL BE CONCRETE DRIVEWAY 7-INCH UNLESS NOTED OTHERWISE  
 - ALL DRIVEWAYS WITHIN PROJECT LIMITS ARE COMMERCIAL DRIVEWAYS  
 - ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH  
 - ALL SIDEWALK & CONCRETE TERRACE REPLACEMENT SHALL BE CONCRETE SIDEWALK 5-INCH  
 - ALL CURB RAMP KEYSTONES SHALL BE 1.5% UNLESS OTHERWISE NOTED  
 - CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'X5'  
 - ADDITIONAL CURB AND SIDEWALK REMOVALS AND REPLACEMENTS AT THE DISCRETION OF THE CONSTRUCTION ENGINEER

14389	MADISON, WI	8746	CONTRACT NO:
<b>14389</b> <b>P-1</b>			

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 MARKED BY DATE  
 P-1



MATCH LINE 124+00.00



LEGEND

/// SAWING ASPHALT

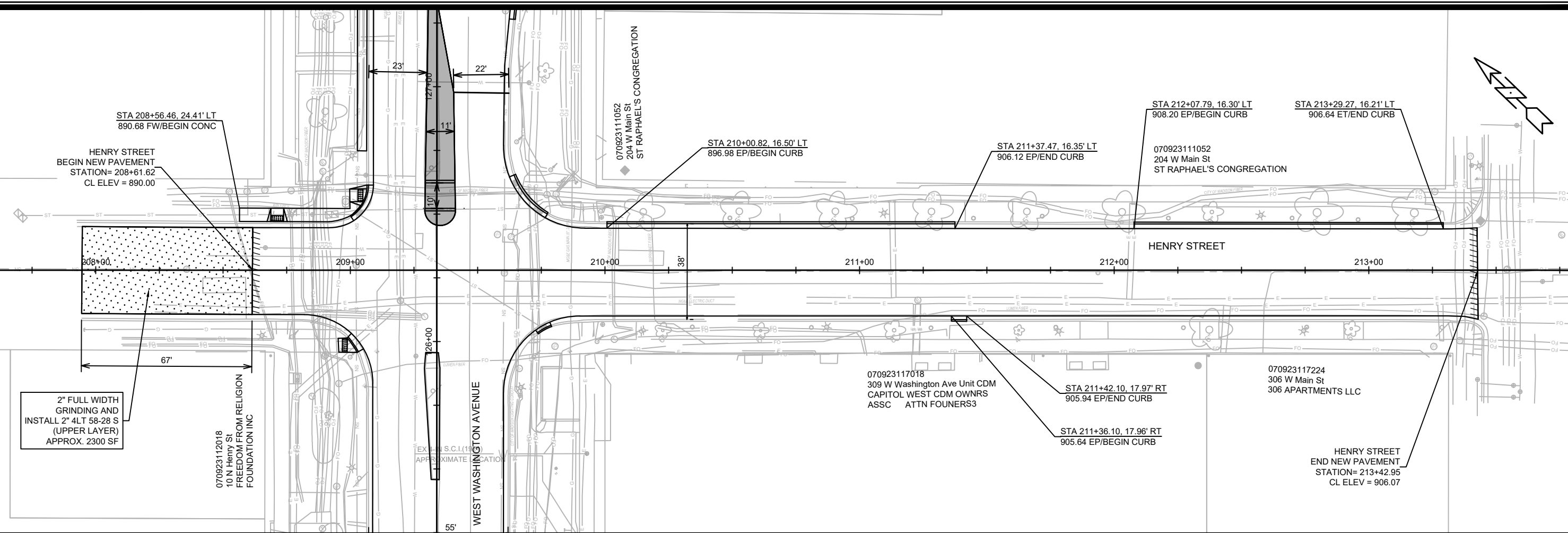
NOTES

- ALL SECTIONS OF DRIVEWAYS REMOVED & REPLACED SHALL BE CONCRETE DRIVEWAY 7-INCH UNLESS NOTED OTHERWISE
- ALL DRIVEWAYS WITHIN PROJECT LIMITS ARE COMMERCIAL DRIVEWAYS
- ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH
- ALL SIDEWALK & CONCRETE TERRACE REPLACEMENT SHALL BE CONCRETE SIDEWALK 5-INCH
- ALL CURB RAMP KEYSTONES SHALL BE 1.5% UNLESS OTHERWISE NOTED
- CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'X5'
- ADDITIONAL CURB AND SIDEWALK REMOVALS AND REPLACEMENTS AT THE DISCRETION OF THE CONSTRUCTION ENGINEER

DATE	BY
REVISION	
MARK	
DESIGNED BY: MFG	DATE: 3/13/2024 10:22 AM
14389	P-2

14389  
 MADISON, WI  
 CONTRACT NO.: 8746  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
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2" FULL WIDTH GRINDING AND INSTALL 2" 4LT 58-28 S (UPPER LAYER) APPROX. 2300 SF

070923112018  
10 N Henry St  
FREEDOM FROM RELIGION  
FOUNDATION INC

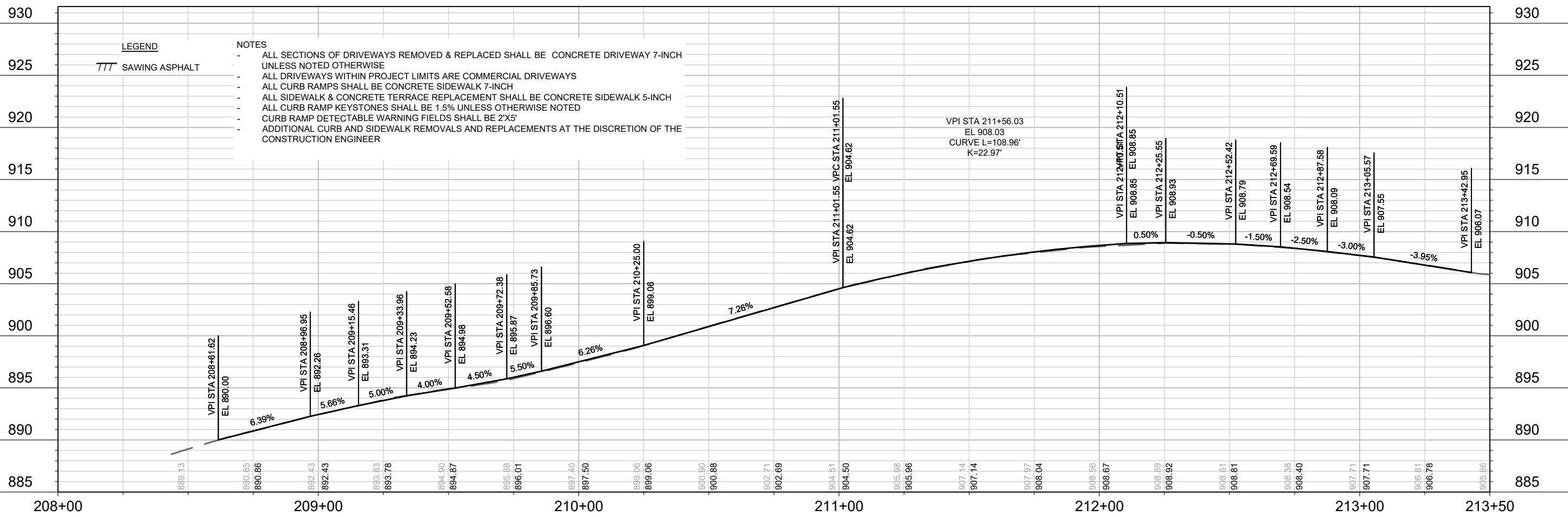
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204 W Main St  
ST RAPHAEL'S CONGREGATION

070923117018  
309 W Washington Ave Unit CDM  
CAPITOL WEST CDM OWNERS  
ASSC ATTN FOUNERS3

070923111052  
204 W Main St  
ST RAPHAEL'S CONGREGATION

070923117224  
306 W Main St  
306 APARTMENTS LLC

HENRY STREET  
END NEW PAVEMENT  
STATION= 213+42.95  
CL ELEV = 906.07



**LEGEND**  
--- SAWING ASPHALT

**NOTES**  
 ALL SECTIONS OF DRIVEWAYS REMOVED & REPLACED SHALL BE CONCRETE DRIVEWAY 7-INCH UNLESS NOTED OTHERWISE  
 ALL DRIVEWAYS WITHIN PROJECT LIMITS ARE COMMERCIAL DRIVEWAYS  
 ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH  
 ALL SIDEWALK & CONCRETE TERRACE REPLACEMENT SHALL BE CONCRETE SIDEWALK 5-INCH  
 ALL CURB RAMP KEYSTONES SHALL BE 1.5% UNLESS OTHERWISE NOTED  
 CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'X5'  
 ADDITIONAL CURB AND SIDEWALK REMOVALS AND REPLACEMENTS AT THE DISCRETION OF THE CONSTRUCTION ENGINEER

DATE	BY
REVISION	
Designed By: MFG	Date: 3/6/2024 2:33 PM
Scale: 1" = 40'	
14389	

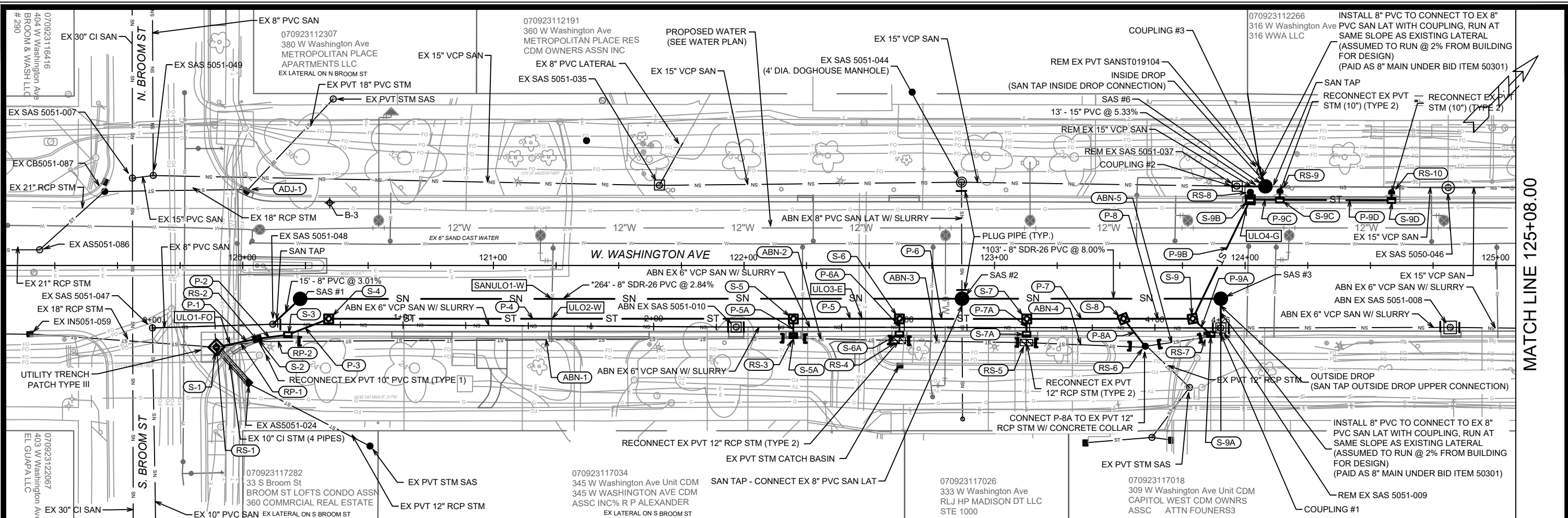
14389	MADISON, WI	8746
CONTRACT NO:		

PLAN & PROFILE HENRY STREET  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING

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14389  
P-3

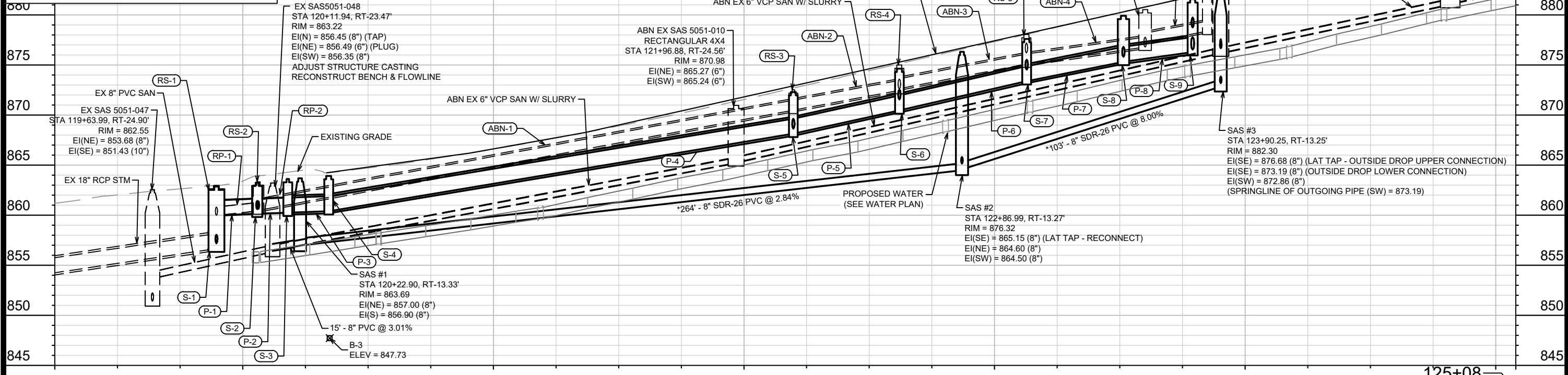


\* SEWER MAIN AND LATERALS SHALL CONFORM TO ASTM D3034 SPECIFICATION FOR SDR-26

NOTE: UNLESS NOTED OTHERWISE, UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED WITHIN EXCAVATION TRENCHES FOR SANITARY AND STORM SEWER INSTALLATION AND SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT)

NOTE: EXISTING SANITARY LATERALS CONNECTED TO SOUTHEASTERN 6" VCP MAIN ON WEST WASHINGTON AVE. & SOUTH HENRY ST. ARE INACTIVE UNLESS OTHERWISE NOTED - ABANDON INACTIVE LATERALS AS PART OF MAIN ABANDONMENT

NOTE: EXISTING 15" VCP SANITARY MAIN ON THE NORTHWESTERN SIDE OF WEST WASHINGTON AVE. WILL BE CIPP-UV LINED DURING A FUTURE CITY PROJECT



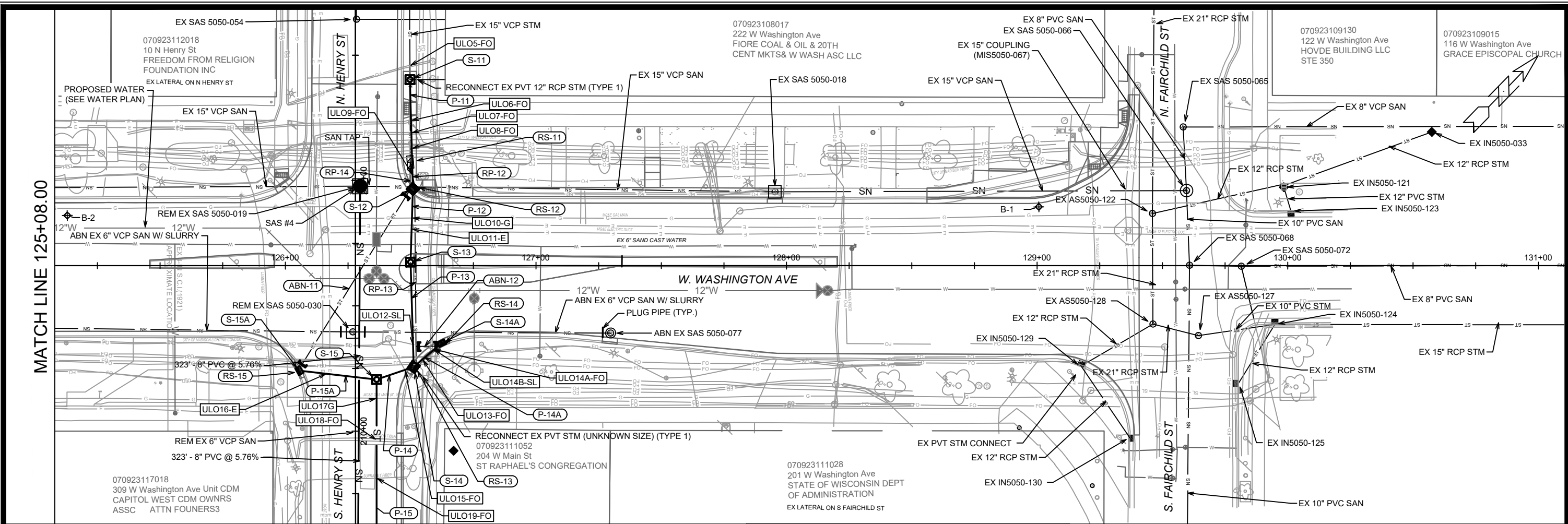
MATCH LINE 125+08.00

119+25 120+00 121+00 122+00 123+00 124+00 125+08 125+00

14389	U-1
MADISON, WI	DATE: 11/14/24
CONTRACT NO.: 8746	DESIGNED BY: EAC
	DATE: 3/6/2024 2:33 PM
	REVISION: 14389
	MARK: 14389
	SCALE: 1" = 40'

SEWER PLAN AND PROFILE - W. WASHINGTON AVE (SOUTH SIDE)  
W. WASHINGTON AVENUE & HENRY STREET RESURFACING

14389  
U-1

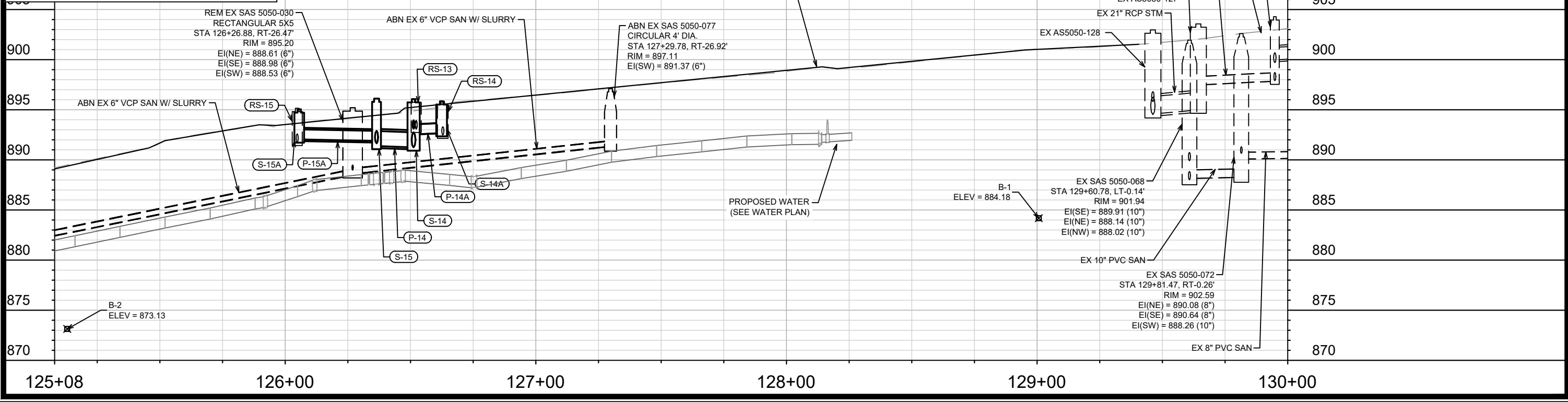


\* SEWER MAIN AND LATERALS SHALL CONFORM TO ASTM D3034 SPECIFICATION FOR SDR-26

NOTE: UNLESS NOTED OTHERWISE, UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED WITHIN EXCAVATION TRENCHES FOR SANITARY AND STORM SEWER INSTALLATION AND SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT)

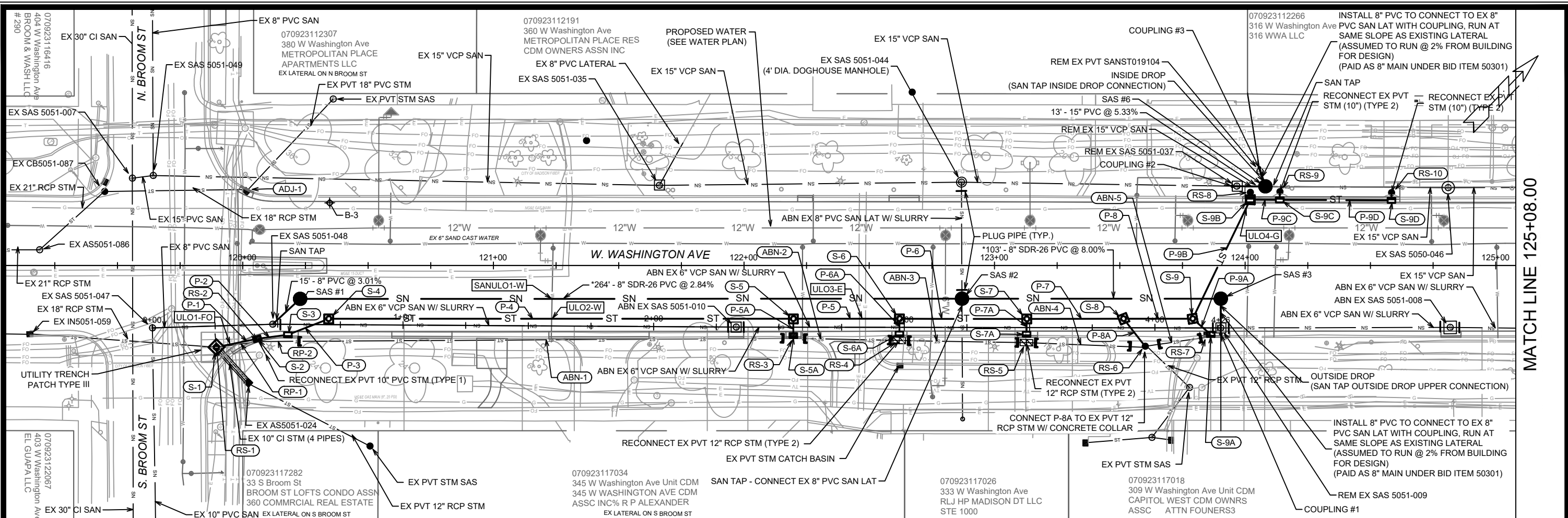
NOTE: EXISTING SANITARY LATERALS CONNECTED TO SOUTHEASTERN 6" VCP MAIN ON WEST WASHINGTON AVE. & SOUTH HENRY ST. ARE INACTIVE UNLESS OTHERWISE NOTED - ABANDON INACTIVE LATERALS AS PART OF MAIN ABANDONMENT

NOTE: EXISTING 15" VCP SANITARY MAIN ON THE NORTHWESTERN SIDE OF WEST WASHINGTON AVE. WILL BE CIPP-UV LINED DURING A FUTURE CITY PROJECT



14389	MADISON, WI	8746	U-2
14389	W. WASHINGTON AVE (SOUTH SIDE)	14389	U-2
14389	W. WASHINGTON AVENUE & HENRY STREET RESURFACING	14389	U-2
14389	CONTRACT NO.:	14389	U-2
14389	DESIGNED BY: EAC	14389	U-2
14389	DATE: 3/6/2024 2:33 PM	14389	U-2
14389	REVISION	14389	U-2
14389	BY	14389	U-2
14389	DATE	14389	U-2
14389	SCALE: 1" = 40'	14389	U-2



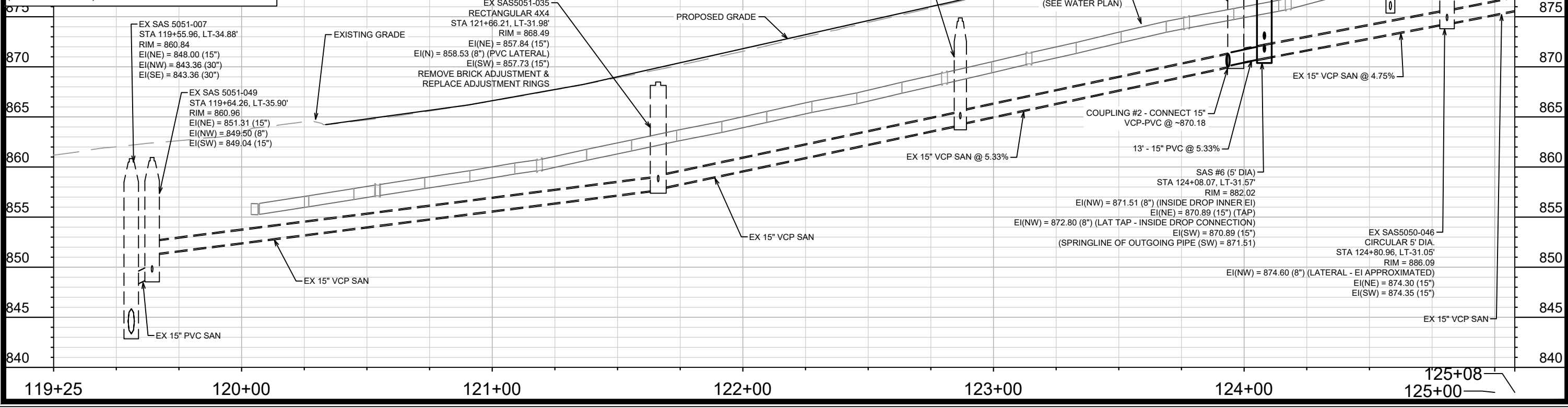


\* SEWER MAIN AND LATERALS SHALL CONFORM TO ASTM D3034 SPECIFICATION FOR SDR-26

NOTE: UNLESS NOTED OTHERWISE, UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED WITHIN EXCAVATION TRENCHES FOR SANITARY AND STORM SEWER INSTALLATION AND SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT)

NOTE: EXISTING SANITARY LATERALS CONNECTED TO SOUTHEASTERN 6\"/>

NOTE: EXISTING 15\"/>



MATCH LINE 125+08.00

14389	U-3
MADISON, WI	DATE: 11/14/24
CONTRACT NO: 8746	DESIGNED BY: EAC
	DATE: 3/6/2024 2:33 PM
	REVISION: 14389
	MARK: 14389
	SCALE: 1" = 40'

SEWER PLAN AND PROFILE - W. WASHINGTON AVE (NORTH SIDE)

W. WASHINGTON AVENUE & HENRY STREET RESURFACING

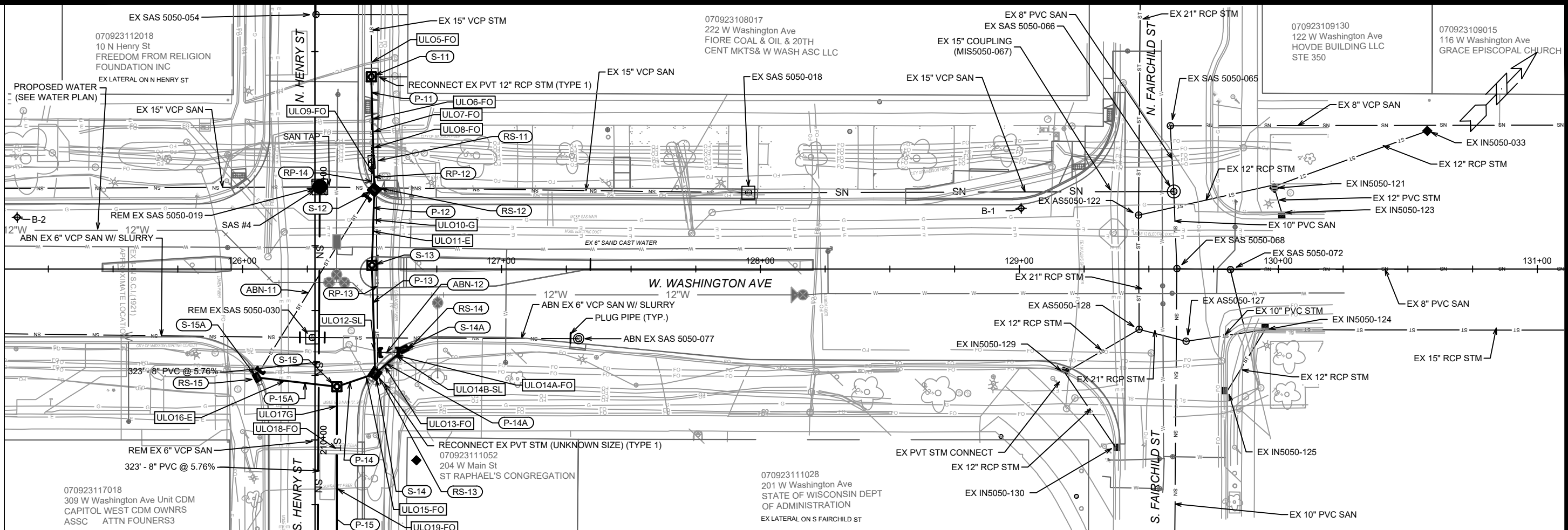
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CITY OF MADISON WISCONSIN

14389

U-3

MATCH LINE 125+08.00

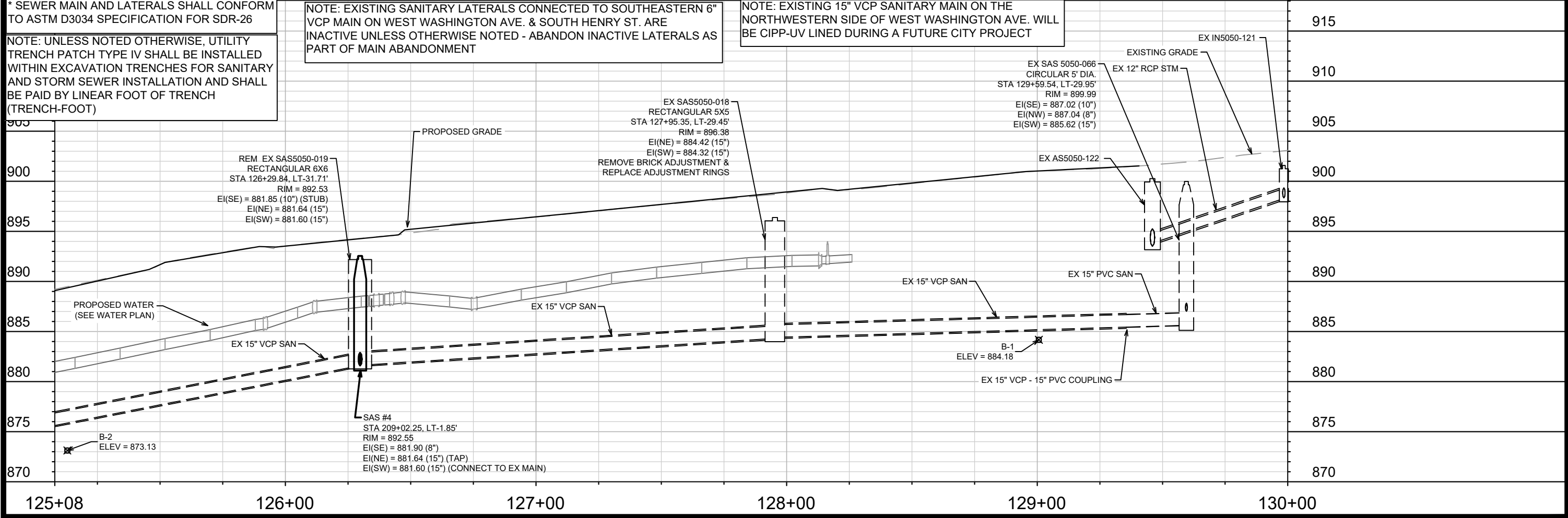


\* SEWER MAIN AND LATERALS SHALL CONFORM TO ASTM D3034 SPECIFICATION FOR SDR-26

NOTE: UNLESS NOTED OTHERWISE, UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED WITHIN EXCAVATION TRENCHES FOR SANITARY AND STORM SEWER INSTALLATION AND SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT)

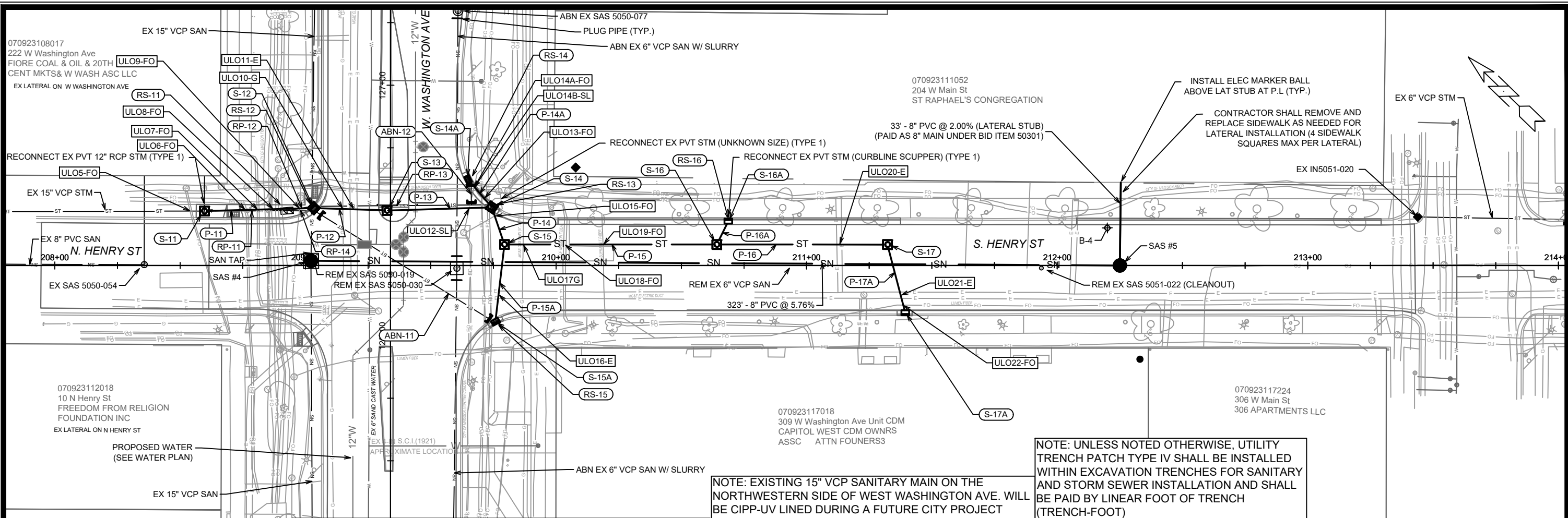
NOTE: EXISTING SANITARY LATERALS CONNECTED TO SOUTHEASTERN 6\"/>

NOTE: EXISTING 15\"/>



915
910
905
900
895
890
885
880
875
870

14389	14389	8746	U-4
SEWER PLAN AND PROFILE - W. WASHINGTON AVE (NORTH SIDE)	MADISON, WI	CONTRACT NO.:	
W. WASHINGTON AVENUE & HENRY STREET RESURFACING			
14389	U-4		

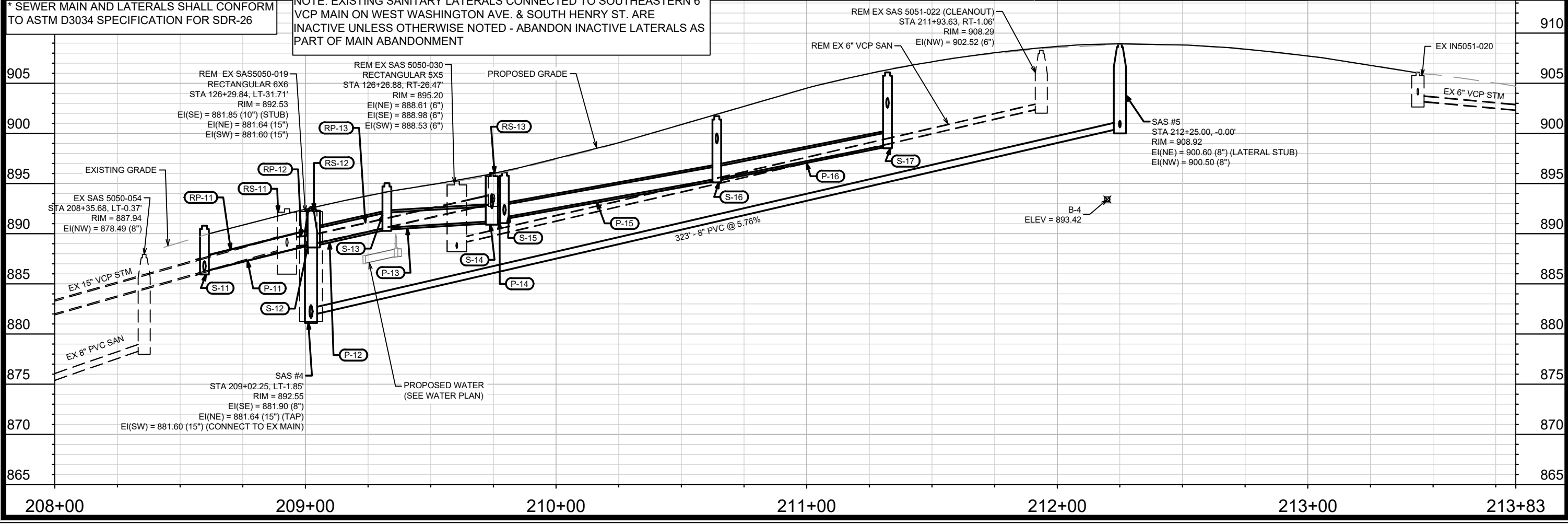


\* SEWER MAIN AND LATERALS SHALL CONFORM TO ASTM D3034 SPECIFICATION FOR SDR-26

NOTE: EXISTING SANITARY LATERALS CONNECTED TO SOUTHEASTERN 6" VCP MAIN ON WEST WASHINGTON AVE. & SOUTH HENRY ST. ARE INACTIVE UNLESS OTHERWISE NOTED - ABANDON INACTIVE LATERALS AS PART OF MAIN ABANDONMENT

NOTE: EXISTING 15" VCP SANITARY MAIN ON THE NORTHWESTERN SIDE OF WEST WASHINGTON AVE. WILL BE CIPP-UV LINED DURING A FUTURE CITY PROJECT

NOTE: UNLESS NOTED OTHERWISE, UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED WITHIN EXCAVATION TRENCHES FOR SANITARY AND STORM SEWER INSTALLATION AND SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT)



070923108017 222 W Washington Ave FIORE COAL & OIL & 20TH CENT MKTS & W WASH ASC LLC EX LATERAL ON W WASHINGTON AVE	070923111052 204 W Main St ST RAPHAEL'S CONGREGATION	070923112018 10 N Henry St FREEDOM FROM RELIGION FOUNDATION INC EX LATERAL ON N HENRY ST	070923117018 309 W Washington Ave Unit CDM CAPITOL WEST CDM OWNRS ASSC ATTN FOUNERS3	070923117224 306 W Main St 306 APARTMENTS LLC
14389	MADISON, WI	14389	8746	14389
SEWER PLAN AND PROFILE - HENRY ST				U-5
W. WASHINGTON AVENUE & HENRY STREET RESURFACING				U-5
CONTRACT NO.:				U-5
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# SANITARY SEWER SCHEDULE

W. WASHINGTON AVENUE & HENRY STREET RESURFACING	SHEET NO.
PROJECT NO. 14389	U-6
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

U-6

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
<b>WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE)</b>						
SAS #1	120+22.90	RT-13.33	863.69	856.90	6.79	
SAS #2	122+86.99	RT-13.27	876.32	864.50	11.82	[1]
SAS #3	123+90.25	RT-13.25	882.30	872.86	9.44	[2]
<b>WEST WASHINGTON AVENUE (NORTHWESTERN SIDE)</b>						
SAS #6	124+08.07	LT-31.57	882.02	870.89	11.13	[3]
<b>SOUTH HENRY STREET</b>						
SAS #4	209+02.25	LT-1.85	892.55	881.60	10.95	[4]
SAS #5	212+25.00	CL	908.92	900.50	8.42	[5]

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PVC TYPE	NOTES
<b>WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE)</b>							
SAS5051-048	SAS #1	856.45	856.90	15	3.01%	8"	SDR-35
SAS #1	SAS #2	857.00	864.50	264	2.84%	8"	SDR-26
SAS #2	SAS #3	864.60	872.86	103	8.00%	8"	SDR-26
<b>WEST WASHINGTON AVENUE (NORTHWESTERN SIDE)</b>							
COUPLING #2	SAS #6	870.18	870.89	13	5.33%	15"	SDR-35
<b>SOUTH HENRY STREET</b>							
SAS #4	SAS #5	881.90	900.50	323	5.76%	8"	SDR-35

## PROPOSED SANITARY COUPLINGS

COUPLING NO.	STATION	LOCATION (OFFSET)	CONNECTION E.I.	NOTES
<b>WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE)</b>				
COUPLING #1	123+90.24	RT-27.42	876.96	[6]; [7]
<b>WEST WASHINGTON AVENUE (NORTHWESTERN SIDE)</b>				
COUPLING #2	123+94.83	LT-31.68	870.18	[6]; [8]
COUPLING #3	124+05.62	LT-38.91	872.95	[6]; [9]

## SPECIFIC NOTES

- [1] 8" TAP (EI(SE) = 865.15) - CONNECT 8" PVC LATERAL FROM 333 WEST WASHINGTON AVE.
- [2] OUTSIDE DROP 3.49 V.F., 8" TAP (EI(SE) = 876.68 FOR OUTSIDE DROP UPPER CONNECTION
- [3] 5' DIA. MANHOLE, INSIDE DROP 1.29 V.F., 8" TAP (EI(NW) = 872.80 FOR INSIDE DROP CONNECTION, 15" TAP (EI(NE) = 870.89) TO CONNECT TO EXISTING 15" VCP MAIN (UPSTREAM SIDE), CONNECT TO EX 15" VCP MAIN (EI(SW) = 870.89) (DOWNSTREAM SIDE)
- [4] 15" TAP (EI(NE) = 881.64) TO CONNECT TO EXISTING 15" VCP MAIN (UPSTREAM SIDE), CONNECT TO EX 15" VCP MAIN (EI(SW) = 881.60) (DOWNSTREAM SIDE)
- [5] 8" PVC LATERAL STUB FROM STRUCTURE TO 204 W MAIN ST - EI (NE) = 900.60. PLACE ELECTRONIC MARKER BALL AT PROPERTY LINE
- [6] COUPLING CONNECTION PAID UNDER BID ITEM 50359 'COMPRESSION COUPLING' - SEE S.D.D. 5.3.3
- [7] 8" PVC - 8" PVC COMPRESSION COUPLING, CONNECT TO EX 8" PVC LATERAL FROM 309 WEST WASHINGTON AVE. AFTER REMOVAL OF EX SAS5051-009
- [8] 15" VCP - 15" PVC COMPRESSION COUPLING, INSTALL AT DOWNSTREAM CONNECTION OF EX SAS5051-037 AFTER STRUCTURE REMOVAL
- [9] 8" PVC - 8" PVC COMPRESSION COUPLING, CONNECT TO EX 8" PVC LATERAL FROM 316 WEST WASHINGTON AVE. AFTER REMOVAL OF PVT SANST019104



# SANITARY SEWER SCHEDULE

W. WASHINGTON AVENUE & HENRY STREET RESURFACING	SHEET NO.
PROJECT NO. 14389	U-7
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

U-7

## SANITARY STRUCTURE REMOVALS & ABANDONMENTS

STRUC ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE)</b>						
SAS5051-010	121+96.86	RT-24.56	870.98	865.24	5.74	ABN. RECTANGULAR 4'X4'
SAS5051-009	123+90.24	RT-24.92	882.16	876.20	5.96	REM. RECTANGULAR 4'X4'
SAS5051-008	124+81.80	RT-24.72	887.44	881.06	6.38	ABN. RECTANGULAR 5'X5'
SAS5050-030	126+26.88	RT-26.47	895.20	888.53	6.67	REM. RECTANGULAR 5'X5'
SAS5050-077	127+29.78	RT-26.92	897.11	891.37	5.74	ABN. CIRCULAR 4' DIA.

## WEST WASHINGTON AVENUE (NORTHWESTERN SIDE)

SAS5051-037	123+96.67	LT-31.66	881.41	870.18	11.23	REM. RECTANGULAR 4'X4'
PVT SANST019104	124+05.82	LT-37.68	881.95	872.93	9.02	REM., UNKNOWN DIMENSIONS
SAS5050-019	126+29.84	LT-31.71	892.53	881.60	10.93	REM. RECTANGULAR 6'X6'

## SOUTH HENRY STREET

SAS5051-022	211+93.63	RT-1.06	908.29	902.52	5.77	REM. CLEANOUT
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## SANITARY STRUCTURE ADJUSTMENTS/MODIFICATIONS

STRUC ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	PROP TOC	ADJ (FT)	NOTES
<b>WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE)</b>						
SAS5051-048	120+11.94	RT-23.47	863.22	863.16	-0.06	[1]
<b>WEST WASHINGTON AVENUE (NORTHWESTERN SIDE)</b>						
SAS5051-035	121+66.21	LT-31.98	868.49	868.49	0.00	[2]; RECTANGULAR 4'X4'
SAS5051-044	122+86.75	LT-33.26	874.89	874.89	0.00	[3]; CIRCULAR DOGHOUSE MANHOLE 4' DIA.
SAS5050-018	127+95.35	LT-29.45	896.38	896.38	0.00	[2]; RECTANGULAR 5'X5'

## SPECIFIC NOTES

- [1] 8" TAP (EI(N)=856.45), PLUG EX 6" (EI(NE)=856.49), RECONSTRUCT BENCH & FLOWLINE
- [2] REMOVE BRICK ADJUSTMENT AND REPLACE ADJUSTMENT RINGS
- [3] PLUG EX. 8" PVC LATERAL CONNECTION FROM 333 WEST WASHINGTON AVE.
- [4] REMAINDER OF EX LATERAL FROM 333 WEST WASHINGTON AVE.

## SANITARY PIPE REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM LGTH (FT)	REM LGTH PAID (FT)	ABN LGTH (FT)	SLURRY CY	PIPE SIZE	PIPE TYPE	NOTES
<b>WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE)</b>										
SAS5051-048	SAS5051-010	185	Y	--	--	185	1.35	6"	VCP	
SAS5051-010	SAS5051-009	194	Y	--	--	194	1.41	6"	VCP	
SAS5051-009	SAS5051-008	92	Y	--	--	92	0.67	6"	VCP	
SAS5051-008	SAS5050-030	146	Y	--	--	146	1.06	6"	VCP	
SAS5050-030	SAS5050-077	103	Y	--	--	103	0.75	6"	VCP	
SAS #2	SAS5051-044	47	Y	--	--	47	0.61	8"	PVC	[4]
<b>WEST WASHINGTON AVENUE (NORTHWESTERN SIDE)</b>										
SAS5051-037	SAS#6	13	N	13	--	--	--	15"	VCP	
<b>SOUTH HENRY STREET</b>										
SAS5050-030	SAS5051-022	234	N	234	--	--	--	6"	VCP	

## SANITARY ULO SCHEDULE

ID NO. (OFFSET)	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>WEST WASHINGTON AVENUE</b>				
SANULO1-W	121+23.44	RT-13.31	8" WATER SERVICE	

# STORM SEWER SCHEDULE

W. WASHINGTON AVENUE & HENRY STREET RESURFACING	SHEET NO.
PROJECT NO. 14389	U-8
STORM SEWER SCHEDULE	
CITY OF MADISON	

U-8

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>WEST WASHINGTON AVENUE (BOTH SIDES)</b>							
S-1	119+89.51	RT-32.63	4'X4' STORM SAS	862.94	856.68	6.26	FP; W/R-1550-0054; [1]
S-2	120+05.81	RT-29.28	H-INLET	863.26	860.16	3.10	FP; W/R-3067-7004-V; [2]
S-3	120+18.01	RT-27.68	H-INLET	863.63	860.26	3.37	FP; W/R-3067-7004-V
S-4	120+34.31	RT-21.28	3'X3' STORM SAS	863.92	860.40	3.52	FP; W/R-1550-0054
S-5	122+19.70	RT-21.29	3'X3' STORM SAS	872.31	868.14	4.17	W/R-1550-0054
S-5A	122+19.72	RT-27.97	H INLET	872.47	868.71	3.76	W/R-3067-7004-V; [3]
S-6	122+62.03	RT-21.28	3'X3' STORM SAS	874.64	870.47	4.17	W/R-1550-0054
S-6A	122+62.06	RT-27.40	H INLET	874.79	871.63	3.16	W/R-3067-7004-V; [4]
S-7	123+12.81	RT-21.32	3'X3' STORM SAS	877.61	873.39	4.22	W/R-1550-0054
S-7A	123+12.75	RT-27.45	H INLET	877.86	874.60	3.26	FP; W/R-3067-7004-V; [5]
S-8	123+51.42	RT-21.25	3'X3' STORM SAS	879.93	875.32	4.61	W/R-1550-0054
S-9	123+79.03	RT-21.24	3'X3' STORM SAS	881.57	876.29	5.28	W/R-1550-0054
S-9A	123+86.24	RT-27.54	H INLET	882.25	878.85	3.40	W/R-3067-7004-V
S-9B	124+02.01	LT-26.25	3'X3' STORM SAS	881.70	877.66	4.04	W/R-3067-7004-V
S-9C	124+13.81	LT-26.19	H INLET	882.29	878.09	4.20	W/R-3067-7004-V; [7]
S-9D	124+58.38	LT-25.99	H INLET	884.86	875.71	9.15	W/R-3067-7004-V; [8]
<b>HENRY STREET (NORTH &amp; SOUTH)</b>							
S-11	208+59.72	LT-21.75	3'X3' STORM SAS	890.81	886.26	4.55	W/R-1550-0054; [9]
S-12	209+03.38	LT-22.92	3'X3' STORM SAS	892.63	888.97	3.66	FP; W/R-3067-7004-V
S-13	209+32.55	LT-21.97	3'X3' STORM SAS	895.04	890.61	4.43	W/R-1550-0054; [10]
S-14	209+74.41	LT-23.19	3'X3' STORM SAS	896.06	891.24	4.82	W/R-3067-7004-V; [11]
S-14A	209+64.93	LT-34.35	H INLET	895.85	892.68	3.17	W/R-3067-7004-V
S-15	209+79.42	LT-8.40	3'X3' STORM SAS	896.12	891.39	4.73	W/R-1550-0054
S-15A	209+75.84	RT-22.43	H INLET	895.05	892.05	3.00	W/R-3067-7004-V
S-16	210+64.16	LT-8.38	3'X3' STORM SAS	901.72	895.45	6.27	W/R-1550-0054
S-16A	210+68.79	LT-17.73	H INLET	902.31	899.21	3.10	W/R-3067-7004-V; [12]
S-17	211+32.27	LT-8.36	3'X3' STORM SAS	906.09	898.86	7.23	W/R-1550-0054
S-17A	211+39.35	RT-18.87	H INLET	906.22	903.11	3.11	W/R-3067-7004-V

## PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>WEST WASHINGTON AVENUE (BOTH SIDES)</b>										
P-1	S-1	S-2	859.99	860.16	17	13	1.31%	18"	TYPE 2	NCM
P-2	S-2	S-3	860.16	860.26	12	9	1.11%	18"	TYPE 2	
P-3	S-3	S-4	860.26	860.40	18	14	1.00%	18"	RCP	
P-4	S-4	S-5	860.40	868.14	185	183	4.23%	18"	RCP	
P-5	S-5	S-6	868.14	870.47	42	39	5.97%	18"	RCP	
P-5A	S-5	S-5A	868.64	868.71	7	4	1.75%	12"	RCP	
P-6	S-6	S-7	870.47	873.39	51	48	6.08%	18"	RCP	
P-6A	S-6	S-6A	871.56	871.63	6	4	1.75%	12"	RCP	NCM
P-7	S-7	S-8	873.39	875.32	39	36	5.36%	18"	RCP	
P-7A	S-7	S-7A	874.54	874.60	6	4	1.50%	12"	RCP	NCM
P-8	S-8	S-9	875.32	876.29	28	25	3.88%	18"	RCP	
P-8A	S-8	RS-6	875.82	876.79	14	12	8.08%	12"	RCP	[6]
P-9A	S-9	S-9A	878.75	878.85	10	6	1.67%	12"	RCP	NCM
P-9B	S-9	S-9B	876.54	877.66	53	49	2.29%	15"	RCP	
P-9C	S-9B	S-9C	877.91	878.09	12	9	2.00%	12"	TYPE 2	
P-9D	S-9C	S-9D	878.09	880.85	45	42	6.57%	12"	TYPE 2	NCM (WITH PVT CONNECT)
<b>HENRY STREET (NORTH &amp; SOUTH)</b>										
P-11	S-11	S-12	886.26	888.97	44	40	6.78%	18"	TYPE 2	
P-12	S-12	S-13	888.97	890.61	29	26	6.31%	18"	RCP	
P-13	S-13	S-14	890.61	891.24	42	39	1.62%	18"	RCP	
P-14	S-14	S-15	891.24	891.39	16	12	1.25%	18"	RCP	
P-14A	S-14	S-14A	892.53	892.68	15	12	1.25%	12"	TYPE 2	NCM
P-15	S-15	S-16	891.64	895.45	85	82	4.65%	15"	RCP	
P-15A	S-15	S-15A	891.89	892.05	31	28	0.57%	12"	RCP	
P-16	S-16	S-17	895.45	898.86	68	65	5.25%	15"	RCP	
P-16A	S-16	S-16A	899.00	899.21	10	8	2.63%	12"	RCP	NCM
P-17A	S-17	S-17A	902.55	903.11	28	26	2.15%	12"	RCP	NCM

## SPECIFIC NOTES:

- [1] CONNECT TO EX 18" RCP MAIN, EI(SW) = 856.68; CONNECT TO EX 10" CI (4 PIPES) = EI(E) = 857.22 (LOWEST CONNECTION); DO NOT RECONNECT 10" PIPE FROM NW UNLESS DETERMINED TO BE ACTIVE IN FIELD
- [2] CONNECT EX PVT 10" PVC STM (TYPE 1 RECONNECT), EI(E) = 860.60
- [3] POSSIBLE EX PVT STM TO CONNECT INTO STRUCTURE - DETERMINE IN FIELD
- [4] CONNECT EX PVT 12" RCP STM (TYPE 2 RECONNECT), EI(SE) = 872.61
- [5] CONNECT EX PVT 12" RCP STM (TYPE 2 RECONNECT), EI(SE) = 876.20
- [6] CONNECT P-8A TO EX PVT 12" RCP STM WITH CONCRETE COLLAR
- [7] CONNECT EX PVT 10" PVC STM (TYPE 2 RECONNECT), EI(NW) = 878.26
- [8] CONNECT EX PVT 10" PVC STM (TYPE 2 RECONNECT), EI(NW) = 875.71; PVT STM CONNECTION FROM BUILDING LOWER THAN OUTFLOW EI
- [9] CONNECT TO EX 15" VCP MAIN, EI(NW) = 886.26; CONNECT EX PVT 12" RCP STM (TYPE 1 RECONNECT) FROM 222 WEST WASHINGTON AVE., EI(NE) = 886.26
- [10] OFFSET STRUCTURE CASTING OUT OF PEDESTRAIN WALKWAY
- [11] CONNECT EX PVT STM OF UNKNOWN SIZE (TYPE 1 RECONNECT), EI(E) = 893.11
- [12] CONNECT TO EX PVT STM CURBLINE SCUPPER (TYPE 1 RECONNECT)

## 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
- 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.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS.
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS 3 UNLESS OTHERWISE NOTED.

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

- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL ECEFALU@CITYOFMADISON.COM ((608) 243-5894).

-ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

# STORM SEWER SCHEDULE

W. WASHINGTON AVENUE & HENRY STREET RESURFACING	SHEET NO.
PROJECT NO. 14389	U-9
STORM SEWER SCHEDULE	
CITY OF MADISON	

U-9

## STORM STRUCTURE ADJUSTMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	EX TOC	PROP TOC	ADJ (FT)	NOTES
<b>WEST WASHINGTON AVENUE (BOTH SIDES)</b>							
ADJ-1	IN5052-062	120+02.17	LT-30.35	862.00	862.00	0.00	[1]

## STORM STRUCTURE REMOVALS & ABANDONMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	DEPTH (FT)	NOTES
<b>WEST WASHINGTON AVENUE (BOTH SIDES)</b>						
RS-1	AS5051-084	119+89.51	RT-32.63	4'X4' STORM SAS	6.15	
RS-2	IN5051-022	120+06.33	RT-30.37	INLET	2.90	
RS-3	UNMARKED INLET	122+19.71	RT-29.07	INLET	2.04	[2]
RS-4	UNMARKED CATCH BASIN	122+61.99	RT-29.93	CATCH BASIN W/ VAULT	2.51	[3]
RS-5	UNMARKED CATCH BASIN	123+12.71	RT-30.80	CATCH BASIN W/ VAULT	2.95	[3]
RS-6	AS5051-025	123+60.08	RT-32.27	3'X3' STORM SAS	3.75	[4]
RS-7	IN5051-058	123+84.82	RT-28.65	INLET	3.90	
RS-8	STOST044338 SCUPPER	124+02.04	LT-29.25	SCUPPER W/ STRUCTURE	4.25	
RS-9	STOST044339 SCUPPER	124+13.81	LT-29.45	SCUPPER W/ STRUCTURE	7.05	
RS-10	STOST044340 SCUPPER	124+58.38	LT-29.04	SCUPPER W/ STRUCTURE	9.55	
<b>HENRY STREET (NORTH &amp; SOUTH)</b>						
RS-11	AS5050-051	208+92.66	LT-21.86	5'X7' STORM SAS	6.15	
RS-12	IN5050-050	209+02.52	LT-23.62	INLET	3.77	
RS-13	IN5050-048	209+75.13	LT-24.24	INLET	3.01	
RS-14	IN5050-049	209+66.12	LT-34.85	INLET	3.36	
RS-15	IN5050-047	209+76.49	RT-23.25	INLET	3.38	
RS-16	UNMARKED SCUPPER	210+68.87	LT-18.33	CURBLINE SCUPPER	--	

## SPECIFIC NOTES

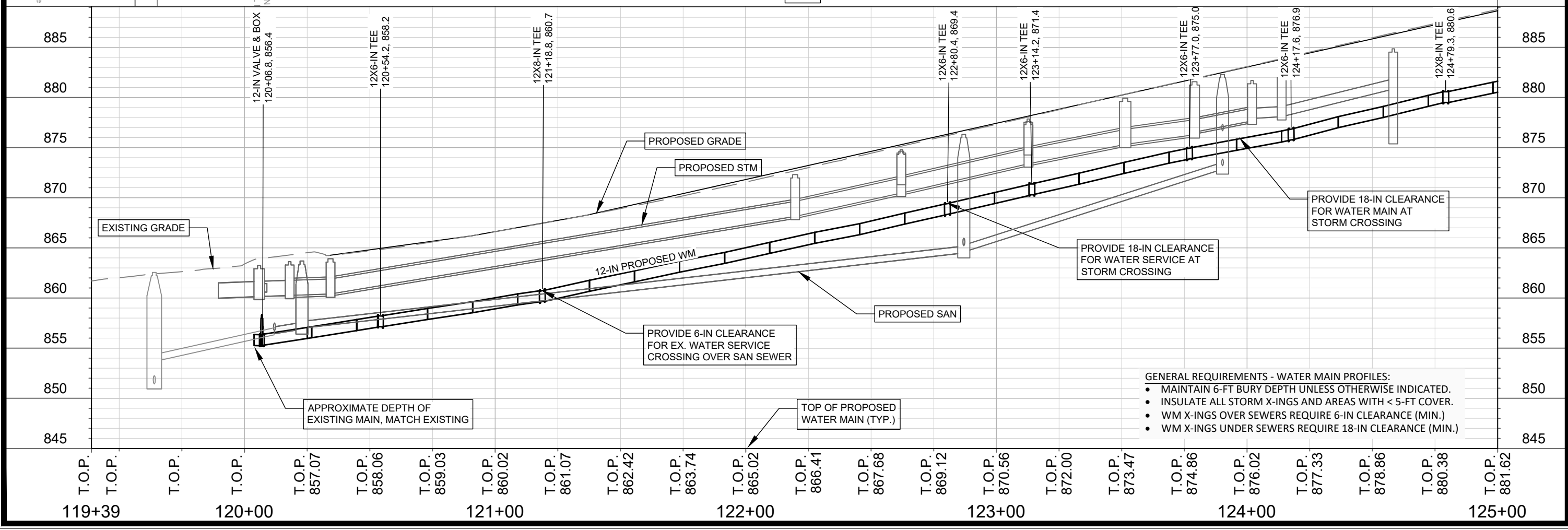
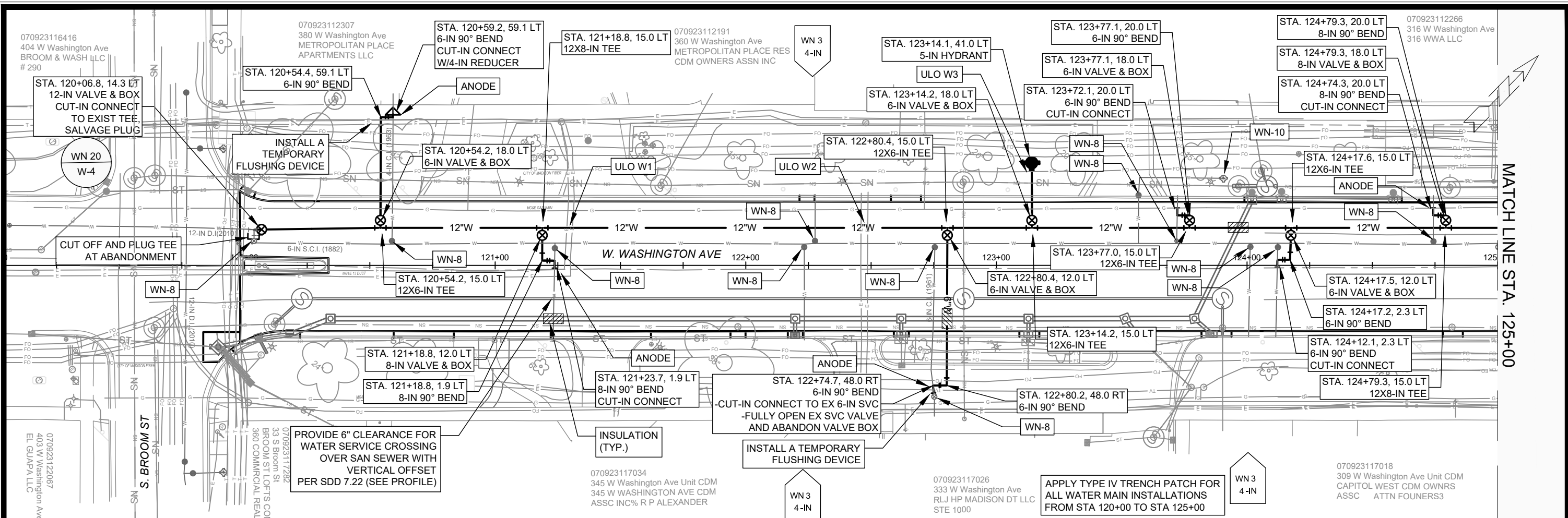
- [1] MATCH TOC TO REPLACEMENT CURB
- [2] APPROXIMATE STRUCTURE DEPTH - NO RECORDS OR SURVEY DATA AVAILABLE
- [3] STRUCTURE LOCATED IN PARKING ISLAND FOR 333 WEST WASHINGTON AVE. - COORDINATE WITH PROPERTY BEFORE REMOVAL
- [4] CONNECT P-8A TO EX PVT 12" RCP STM WITH CONCRETE COLLAR
- [5] ABANDON PIPE WITH PLUGS
- [6] EXISTING PIPE BEND ASSUMED TO BE LOCATED NEAR OR WITHIN RS-12, LOCATE PIPE BEND DURING RP-14 REMOVAL
- [7] EXISTING PIPE BEND ASSUMED TO BE LOCATED ALONG RP-13 THAT CONNECTS TO RS-14, LOCATE PIPE BEND DURING

## STORM PIPE REMOVALS & ABANDONMENTS

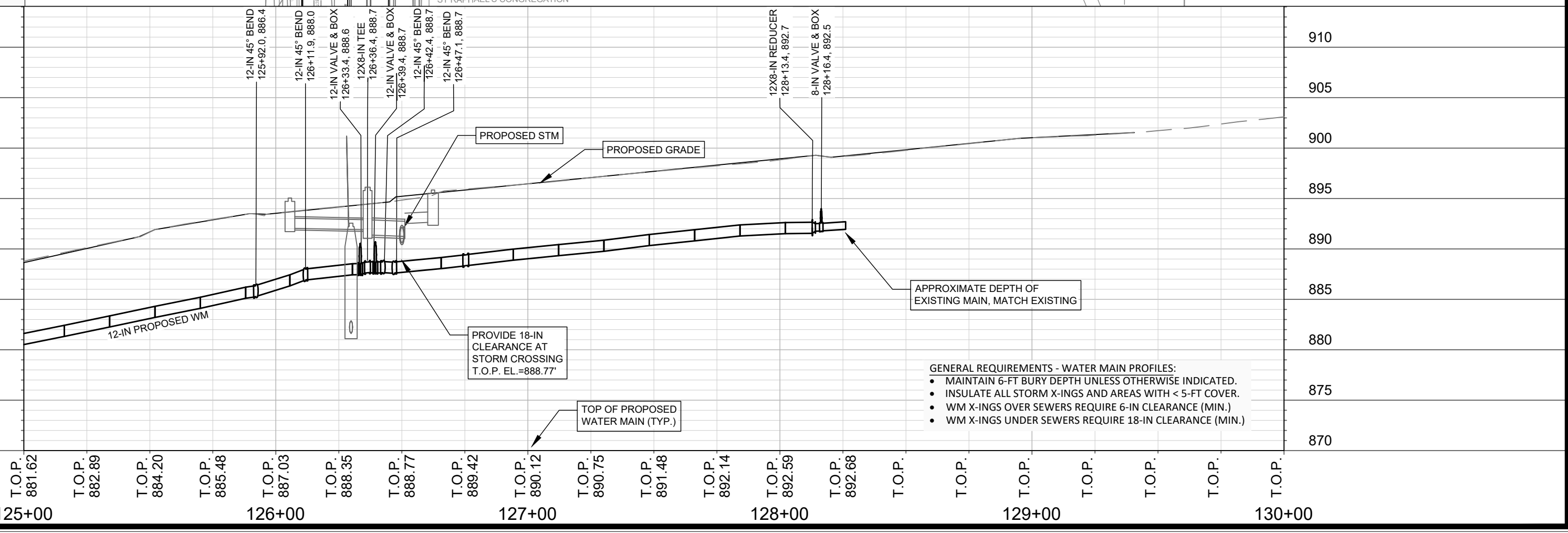
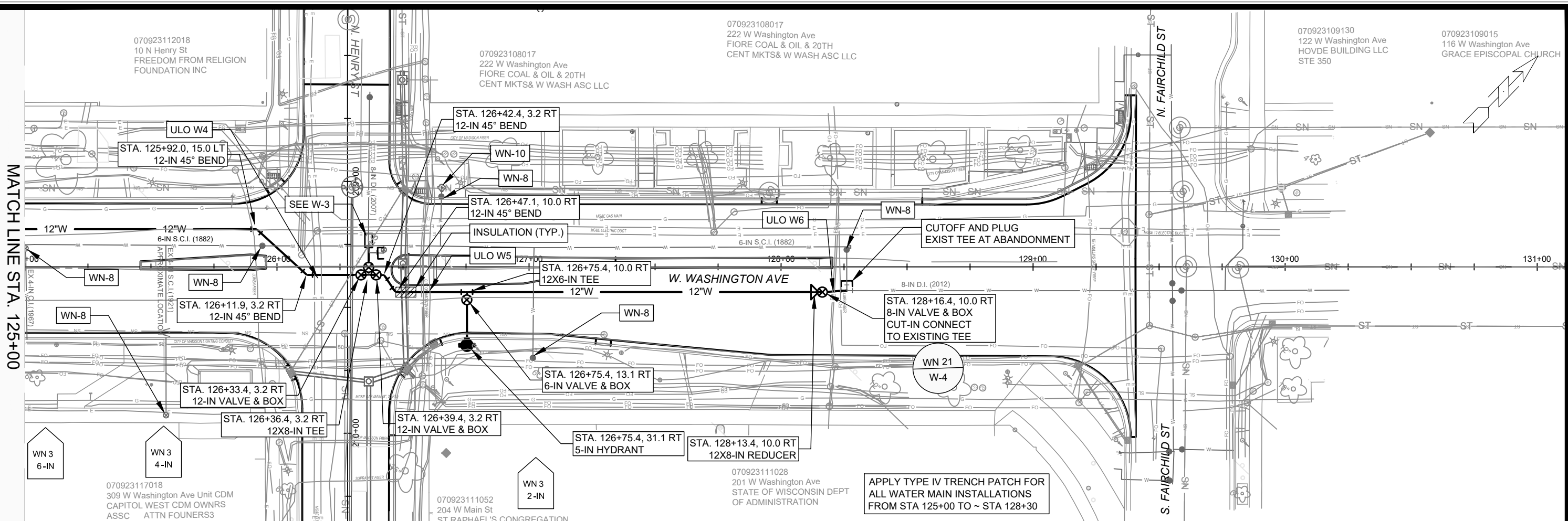
PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM LGTH PAID (FT)	ABN LGTH (FT)	SLURRY (CY)	PIPE SIZE	PIPE TYPE	NOTES
<b>WEST WASHINGTON AVENUE (BOTH SIDES)</b>										
RP-1	RS-1	RS-2	17	N	--	--	--	10"	PVC	
RP-2	RS-2	ABN-1 PLUG	17	N	--	--	--	12"	RCP	
ABN-1	ABN-1 PLUG	RS-3	197	Y	--	197	--	12"	RCP	[5]; APRX 2 PLUGS
ABN-2	RS-3	RS-4	43	Y	--	43	--	12"	RCP	[5]; APRX 2 PLUGS
ABN-3	RS-4	RS-5	51	Y	--	51	--	12"	RCP	[5]; APRX 2 PLUGS
ABN-4	RS-5	RS-6	48	Y	--	48	--	12"	RCP	[5]; APRX 2 PLUGS
ABN-5	RS-6	RS-7	26	Y	--	26	--	12"	RCP	[5]; APRX 2 PLUGS
<b>HENRY STREET (NORTH &amp; SOUTH)</b>										
RP-11	S-11	RS-11	33	N	--	--	--	15"	VCP	
RP-12	RS-11	RS-12	11	N	--	--	--	10"	VCP	
RP-13	RS-12	RS-13	73	N	--	--	--	10"	VCP	
RP-14	RS-11	PIPE BEND NEAR RS-12	12	N	--	--	--	10"	VCP	[6]
ABN-11	PIPE BEND NEAR RS-12	RS-15	86	Y	--	86	1.74	10"	VCP	[6]
ABN-12	RP-13 PIPE BEND	RS-14	11	Y	--	11	0.22	10"	VCP	[7]

## STORM ULO SCHEDULE

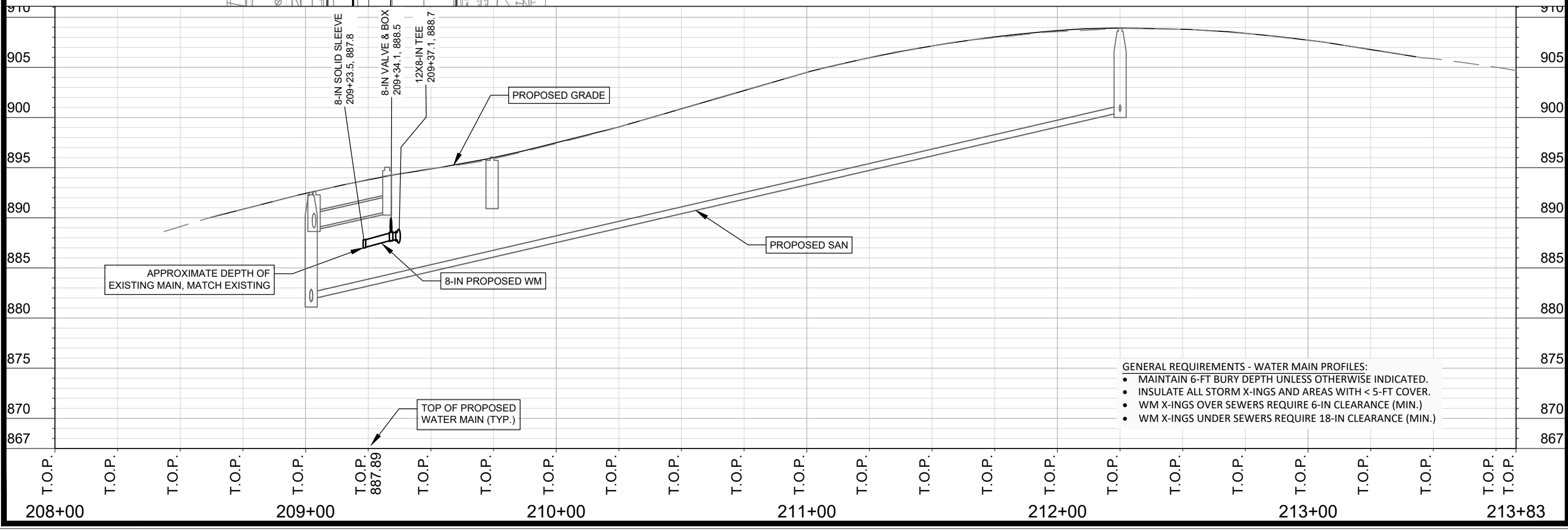
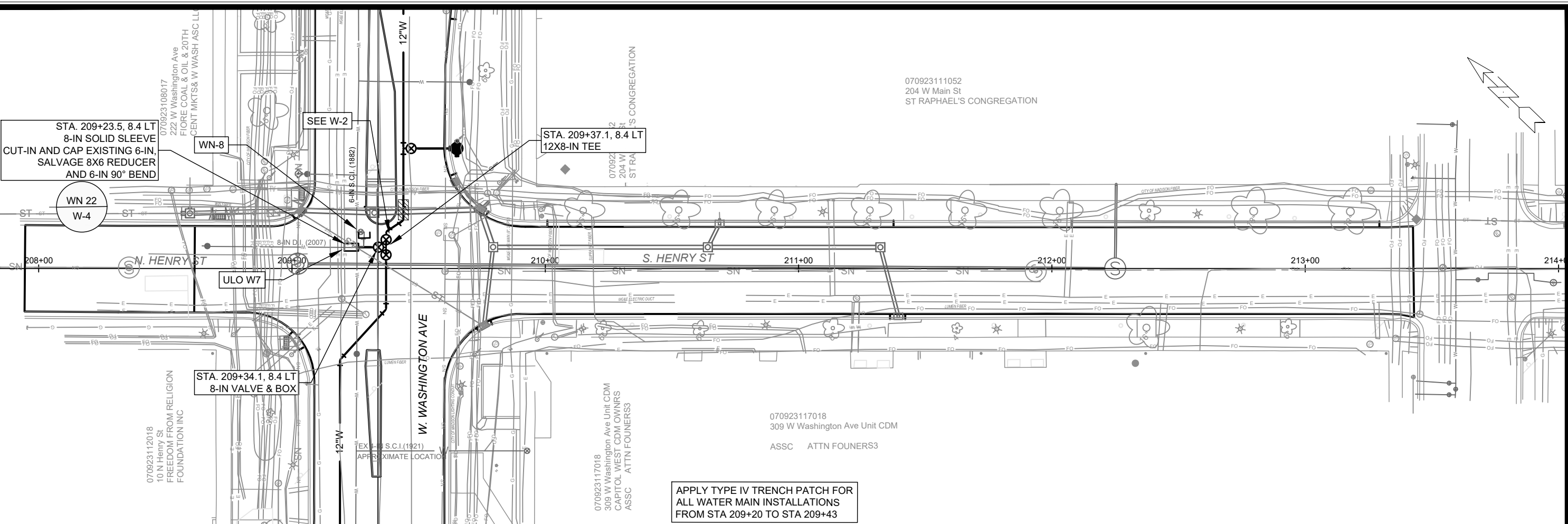
ID NO. (OFFSET)	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>WEST WASHINGTON AVENUE</b>				
ULO1-FO	119+95.06	RT-31.49	FIBER OPTIC	
ULO2-W	121+23.28	RT-21.28	8" WATER SERVICE	
ULO3-E	122+47.30	RT-21.28	ELECTRIC	
ULO4-G	124+00.40	LT-22.92	GAS	
<b>HENRY STREET (NORTH &amp; SOUTH)</b>				
ULO5-FO	208+54.23	LT-21.73	FIBER OPTIC	
ULO6-FO	208+76.07	LT-22.19	FIBER OPTIC	
ULO7-FO	208+81.03	LT-22.32	FIBER OPTIC	
ULO8-FO	208+87.24	LT-22.49	FIBER OPTIC	
ULO9-FO	208+97.72	LT-22.77	FIBER OPTIC	
ULO10-G	209+14.97	LT-22.54	GAS	
ULO11-E	209+19.38	LT-22.40	ELECTRIC	
ULO12-SL	209+65.47	LT-22.93	SIGNALS	
ULO13-FO	209+71.40	LT-26.79	FIBER OPTIC	
ULO14A-FO	209+67.26	LT-30.98	FIBER OPTIC	
ULO14B-SL	209+67.26	LT-30.98	SIGNALS	
ULO15-FO	209+75.58	LT-19.73	FIBER OPTIC	
ULO16-E	209+77.10	RT-11.61	ELECTRIC	
ULO17-G	209+86.90	LT-8.40	GAS	
ULO18-FO	210+03.43	LT-8.40	FIBER OPTIC	
ULO19-FO	210+18.80	LT-8.39	FIBER OPTIC	
ULO20-E	211+13.11	LT-8.36	ELECTRIC	
ULO21-E	211+37.54	RT-11.89	ELECTRIC	
ULO22-FO	211+38.56	RT-15.84	FIBER OPTIC	



14389	MADISON, WI	8746	W-1
WEST WASHINGTON AVE - WATER PLAN AND PROFILE		CONTRACT NO.:	
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING		14389	
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14389	W-1		

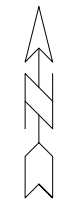
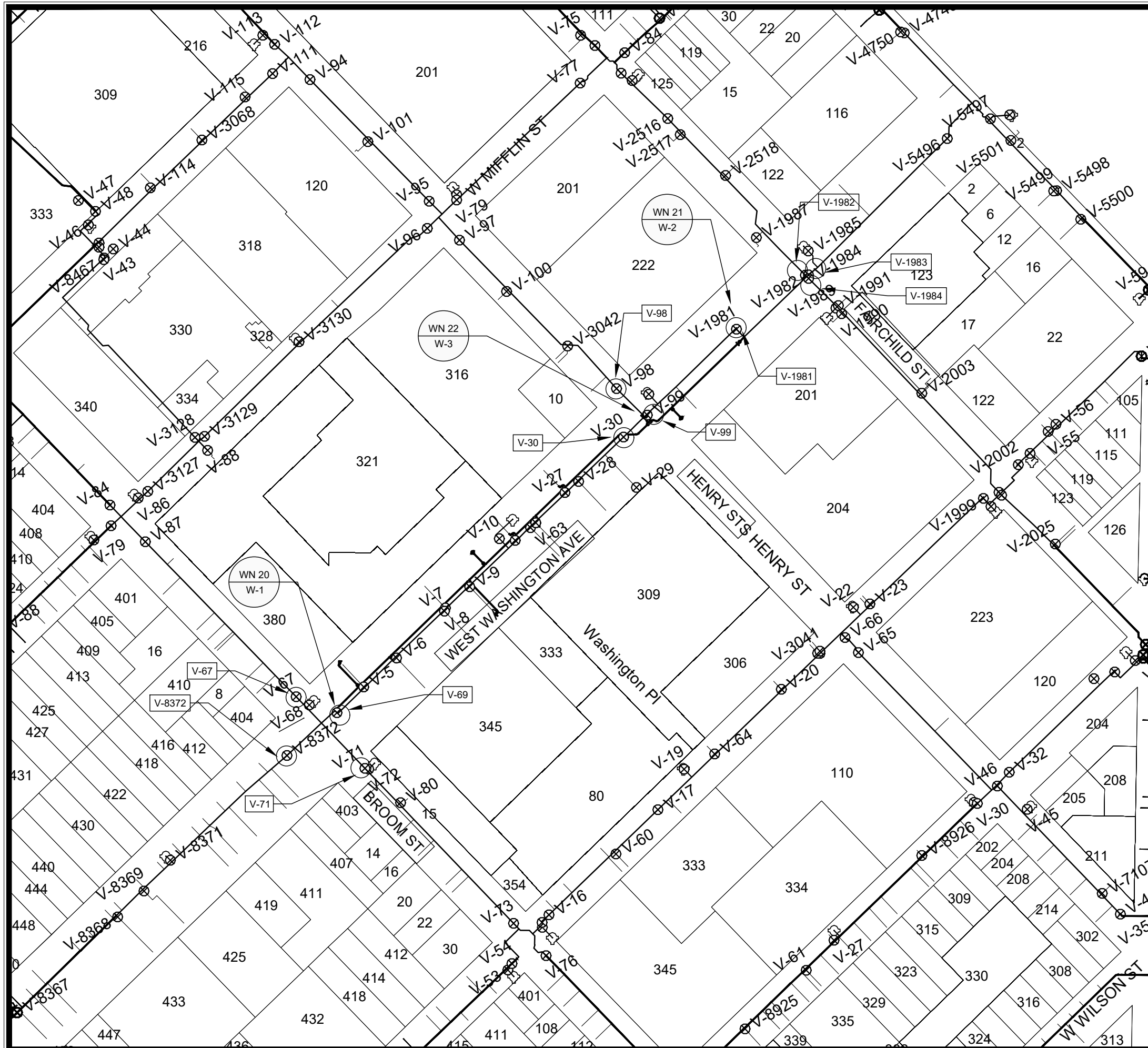


070923112018 10 N Henry St FREEDOM FROM RELIGION FOUNDATION INC	070923108017 222 W Washington Ave FIORE COAL & OIL & 20TH CENT MKTS& W WASH ASC LLC	070923109130 122 W Washington Ave HOVDE BUILDING LLC STE 350	070923109015 116 W Washington Ave GRACE EPISCOPAL CHURCH
<p>14389 MADISON, WI CONTRACT NO: 8746</p>			
<p>WEST WASHINGTON AVE - WATER PLAN AND PROFILE WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING</p>			
<p>M:\DESIGN\Projects\14389\CAD\Water\14389WU-Water.dwg</p>			
<p>14389 W-2</p>			



- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
  - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
  - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
  - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

14389	MADISON, WI	8746	W-3
WEST WASHINGTON AVE - WATER PLAN AND PROFILE		CONTRACT NO.:	
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING		14389	
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14389		W-3	



1" = 150'

**WN20 W-1 CUT IN CONNECTION**  
 ISOLATION VALVES: V-69, V-71, V-8372, V-71  
 NOTIFY: NONE

**WN21 W-2 CUT IN CONNECTION**  
 ISOLATION VALVES: V-1981, V-1982, V-1983, V-1984  
 NOTIFY: NONE

**WN22 W-3 CUT IN CONNECTION**  
 ISOLATION VALVES: V-98, V-99, V-30  
 NOTIFY: NONE

**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.

DATE	BY
3/12/2024	W-4
REVISION	
MARK	
Designed By: CJS	
14389	

14389  
 WEST WASHINGTON AVE - WATER IMPACT PLAN  
 MADISON, WI  
 WEST WASHINGTON AVENUE AND HENRY ST RESURFACING  
 CONTRACT NO: 8746  
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14389  
 W-4



**CONSTRUCTION NOTES:**

- CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM CROSSINGS AND OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
- VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
- MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

- WN-1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN-5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN-8 ABANDON THE VALVE BOX.
- WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN-10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

**WATER UTILITY ULO SCHEDULE**

ULO	UTILITY	STATION	OFFSET	SHEET
W1	ELEC	121+30	15.0LT	W-1
W2	ELEC	122+47	15.0LT	W-1
W3	FO	123+14	37.0LT	W-1
W4	ELEC	126+16	5.0RT	W-2
W5	FO	126+61	10.0RT	W-2
W6	FO	128+20	10.0RT	W-2

**\*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT
50801	UTILITY LINE OPENING (ULO)	7	EACH
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	220	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	60	LNFT
70005	FURNISH AND INSTALL 12-INCH PIPE & FITTINGS	840	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	6	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	4	EACH
70034	FURNISH AND INSTALL 12-INCH WATER VALVE	3	EACH
70040	FURNISH INSTALL AND SALVAGE HYDRANT	2	EACH
70090	ABANDON WATER VALVE BOX	18	EACH
70101	FURNISH AND INSTALL STYROFOAM	4	EACH
70111	FURNISH AND INSTALL ANODE	4	EACH
71026	8-IN SOLID SLEEVE	1	EACH
71110	6-IN 90° BEND	8	EACH
71111	8-IN 90° BEND	4	EACH
71125	12-IN 45° BEND	4	EACH
71157	6X4-IN REDUCER	1	EACH
71165	12X8-IN REDUCER	1	EACH
71217	12X6-IN TEE	6	EACH
71218	12X8-IN TEE	3	EACH

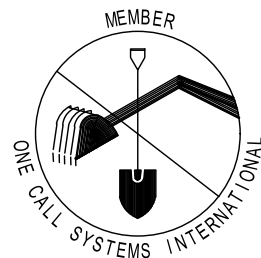
**\*ESTIMATE OF MATERIALS SALVAGED:**

DESCRIPTION	QUANTITY	UNIT
FIRE HYDRANT	2	EACH
8X6-IN REDUCER	1	EACH
6-IN 90° BEND	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.

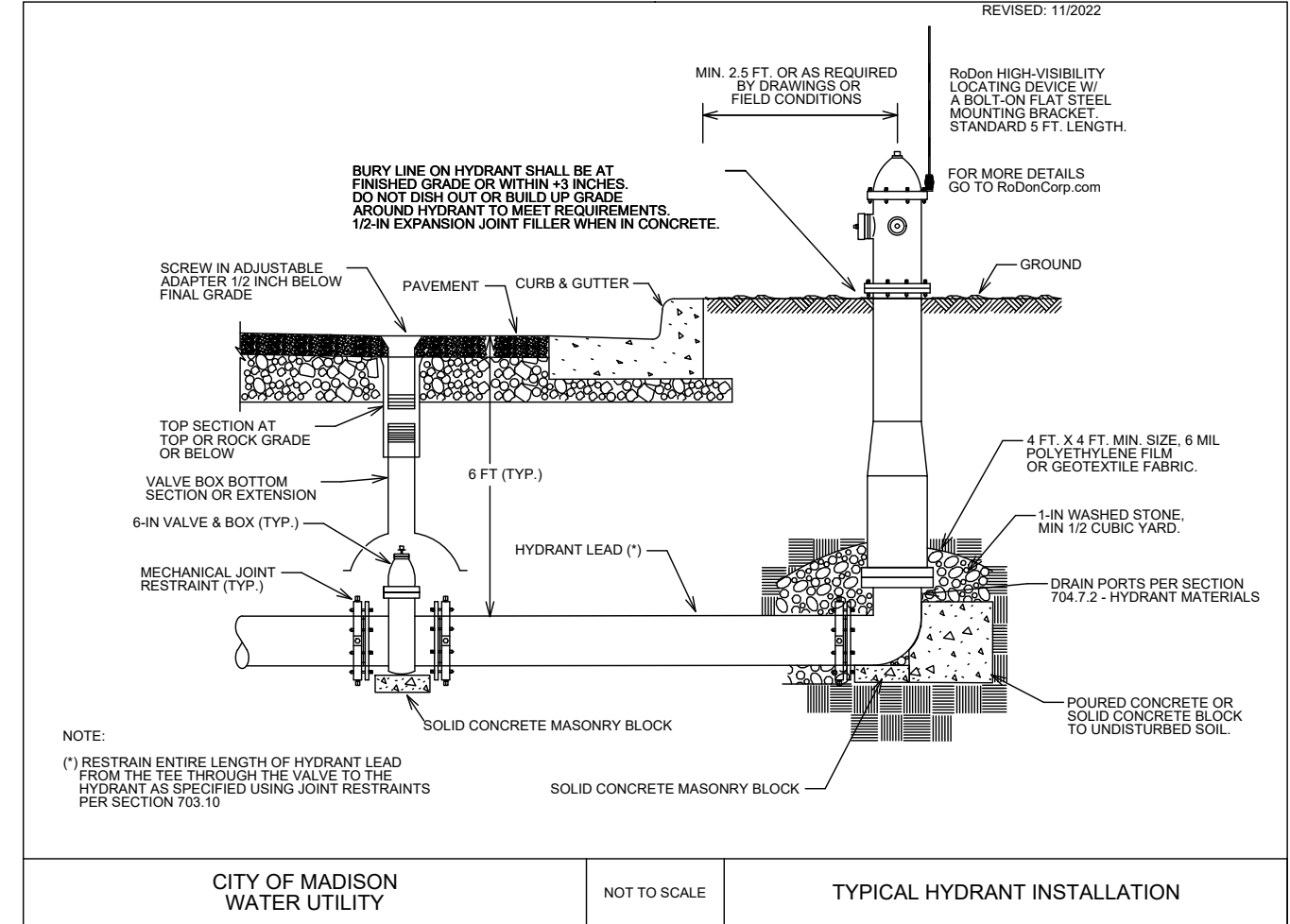


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

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

**DETAIL DRAWING NO. 7.04**

REVISED: 11/2022



CITY OF MADISON WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

SCALE: N/A

DESIGNED BY: CJS  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 3/12/24

WEST WASHINGTON AVE - WATER ESTIMATE OF MATERIALS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 CITY OF MADISON, WISCONSIN  
 CONTRACT NO: 8746



14389

W-5



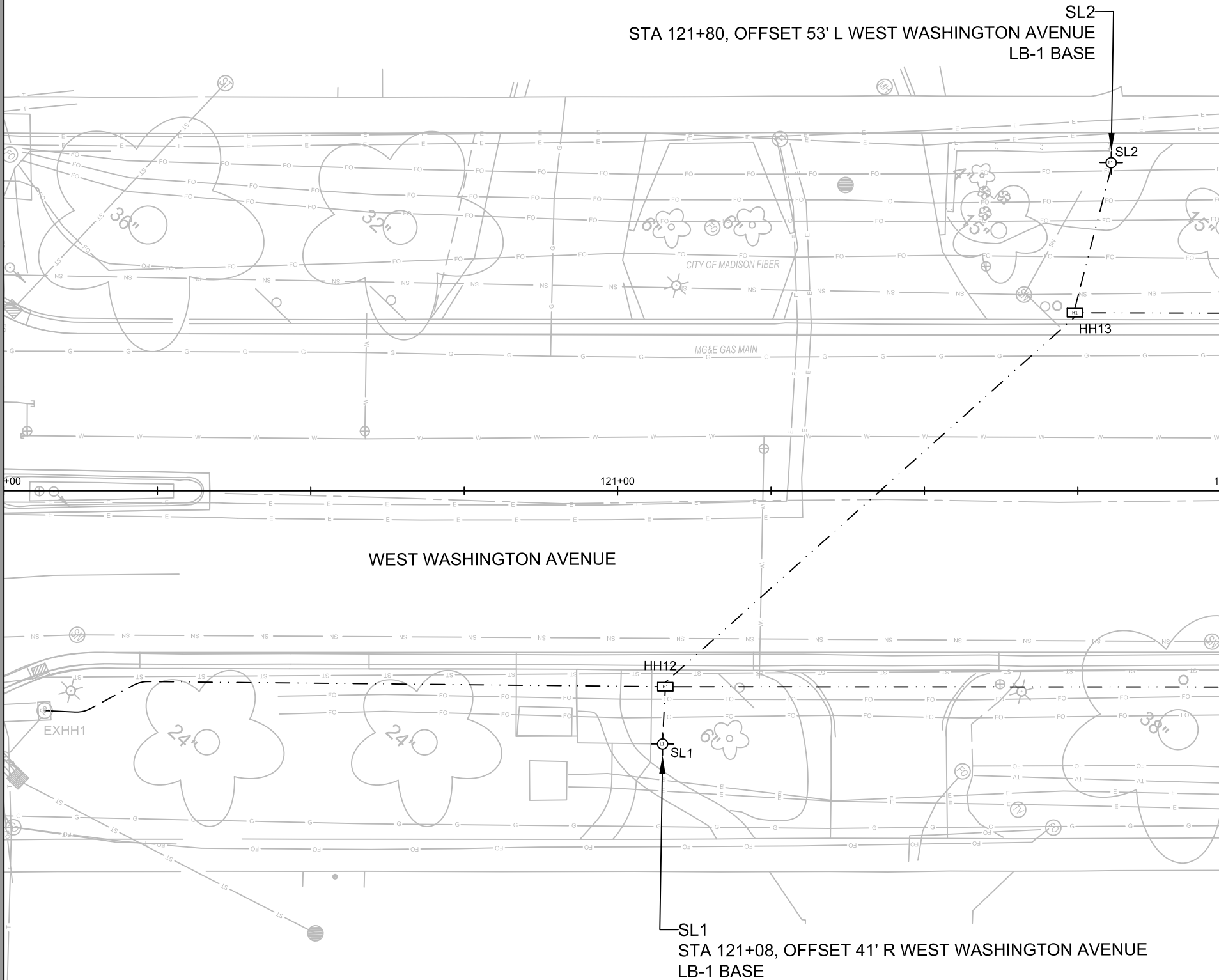
ELECTRIC NOTES:

- 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-HRS 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, 2024 EDITION" AND ALL ADDENDUMS THERETO.
- 3. ALL CONDUIT SHALL BE PVC, SCHEDULE 80 BENEATH PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED IN ALL CONDUIT AS PER STANDARD SPECIFICATION.
- 4. THE CONTRACTOR SHALL CHAD VEINOT (608) 285-2397 AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HRS IN ADVANCE OF PLACING CONCRETE, INSTALLING BASES, INSTALLING HANDHOLES, OR BURYING CONDUIT FOR INSPECTION.
- 5. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
- 6. PER STANDARD SPECIFICATION, RESTORING TERRACES DUE TO CONDUIT INSTALLATION IS INCIDENTAL TO CONSTRUCTION.
- 7. EXISTING STREET LIGHTS SHALL BE IN SERVICE EVERY NIGHT, UNLESS OTHERWISE ALLOWED BY CITY OF MADISON TRAFFIC ENGINEERING OR REPLACED WITH TEMPORARY STREET LIGHTING.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR MAKING SIGNAL CONDUCTOR CONNECTIONS IN THE EXISTING TRAFFIC SIGNAL CONTROL CABINET.
- 9. THE CONTRACTOR SHALL ARRANGE FOR PICK UP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED FOR PICK UP BY CALLING ED SMITH, TRAFFIC ENGINEERING SHOP (608) 266-8031.
  - 9.1. (8) 3/4" BY 19" ANCHOR BOLTS FOR TYPE GR BASES (2 TOTAL BASES)
  - 9.2. (4) 1" BY 40" ANCHOR BOLTS FOR LB-3R BASES (1 TOTAL BASES)
  - 9.3. (48) 3/4" BY 24" ANCHOR BOLTS FOR LB-1 BASES (12 TOTAL BASES)
  - 9.4. (12) PEDESTRIAN SCALE POLES AND LIGHTING FIXTURES
  - 9.5. (3) POST TOP TWIN LUMINAIRE ARM AND 6 LUMINAIRES

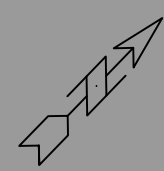
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				Designated By: JLS	Date: 2/23/2024



ML - (10)



ML - (11)



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14389  
 MADISON, WI  
 CONTRACT NO: 8746

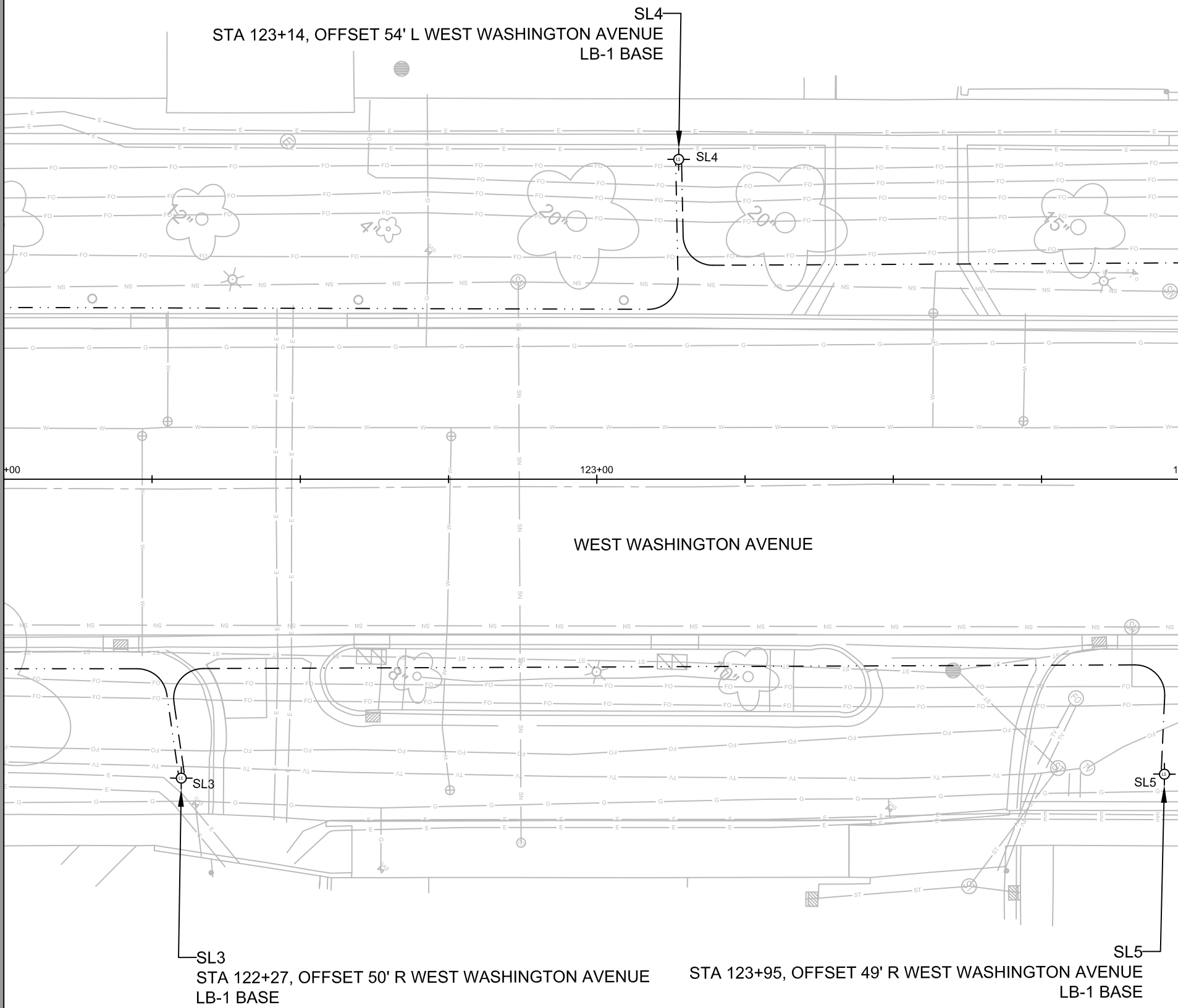
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 E-2

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 Date: 2/23/2024 11:21 AM  
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 E-2

ML - (11)



ML - (12)

STA 123+14, OFFSET 54' L WEST WASHINGTON AVENUE  
LB-1 BASE

SL3  
STA 122+27, OFFSET 50' R WEST WASHINGTON AVENUE  
LB-1 BASE

SL5  
STA 123+95, OFFSET 49' R WEST WASHINGTON AVENUE  
LB-1 BASE

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MADISON, WI  
CONTRACT NO: 8746

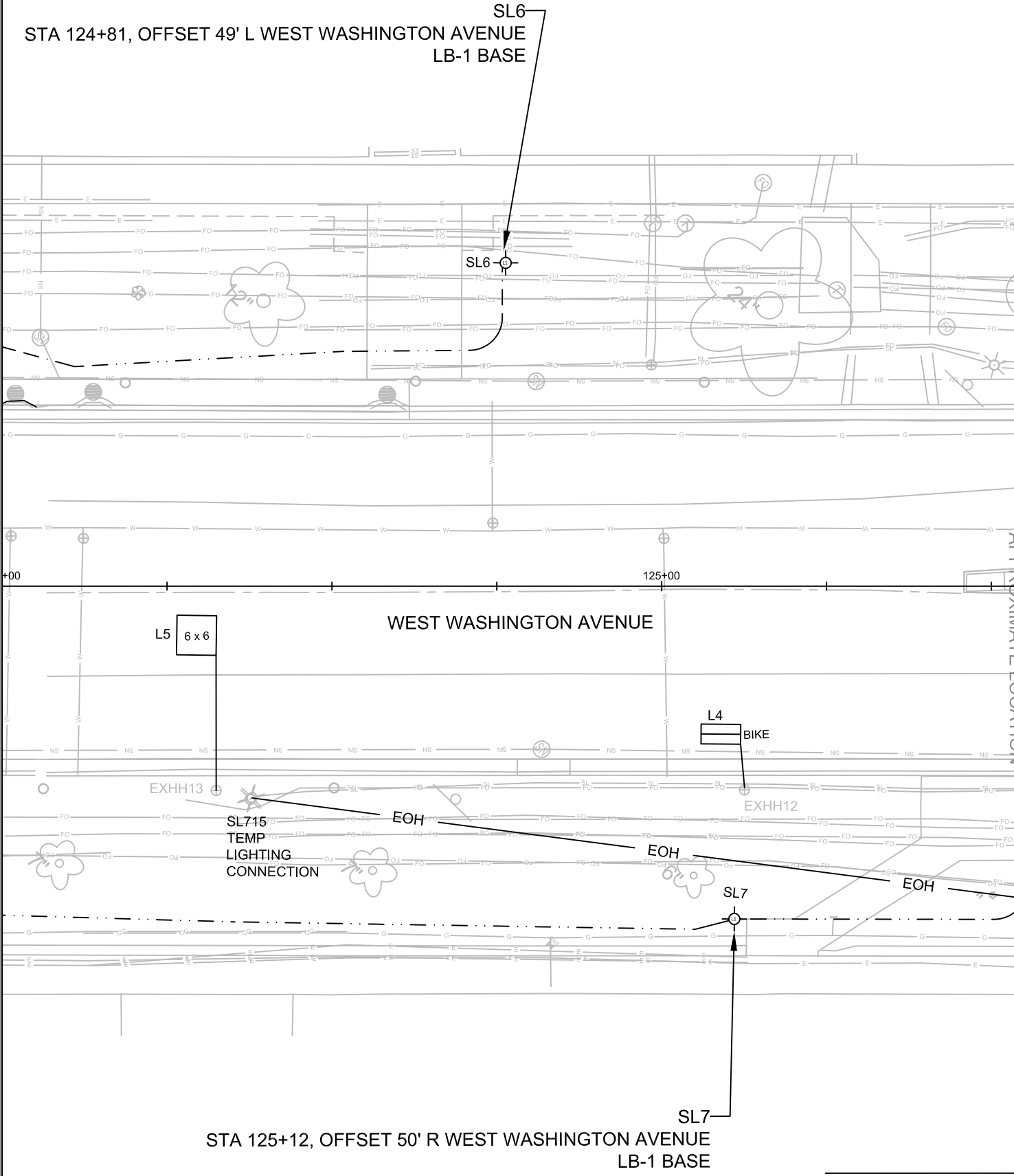
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14389  
E-3

14389  
Designed By: JLS  
Date: 2/23/2024  
Scale: 1" = 20'

E-3



ML - (12)

ML - (13)

MARK	REVISION	DATE	BY
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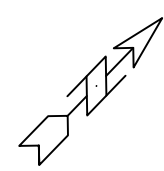
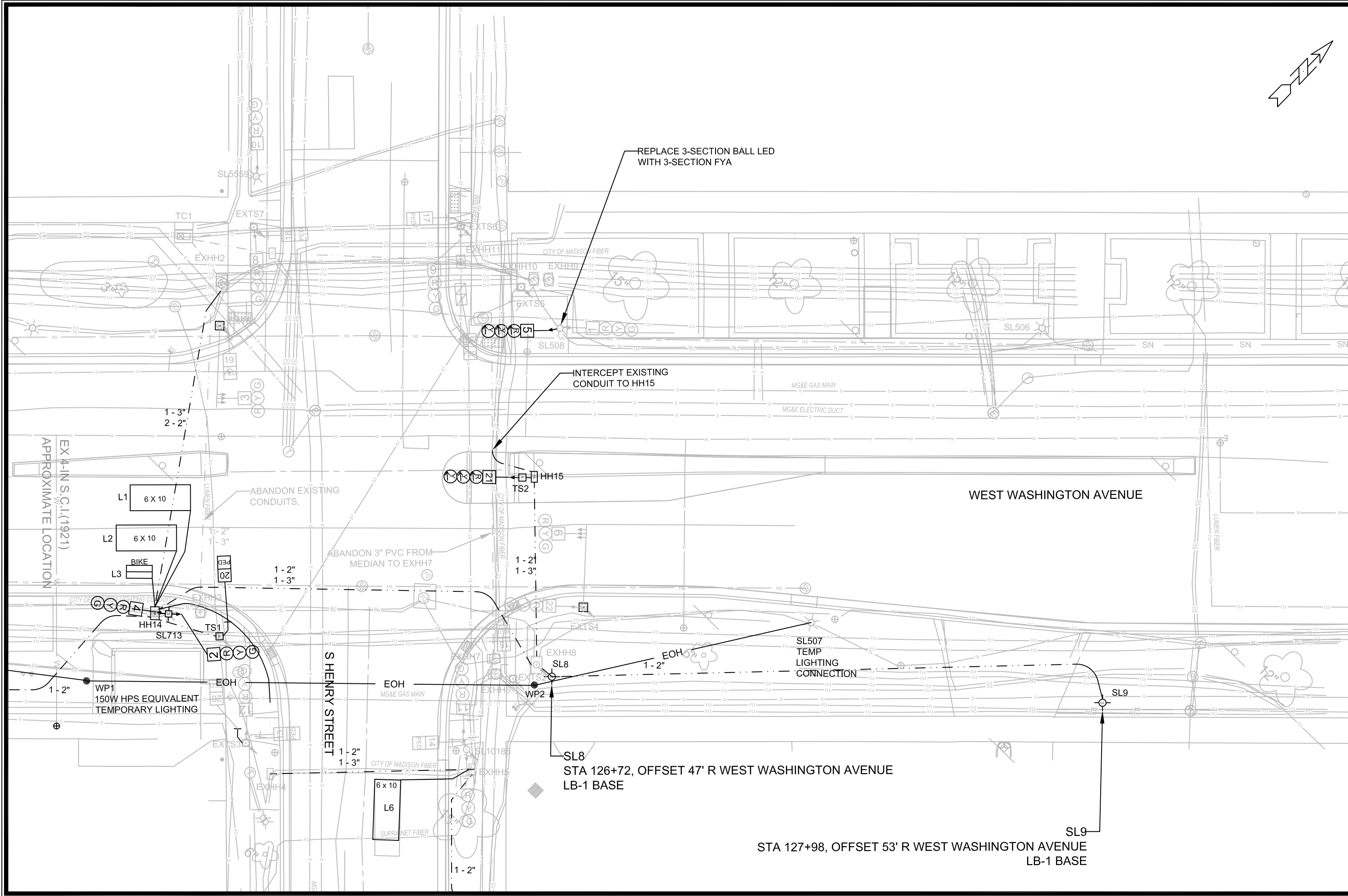
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 MADISON, WI  
 CONTRACT NO: 8746

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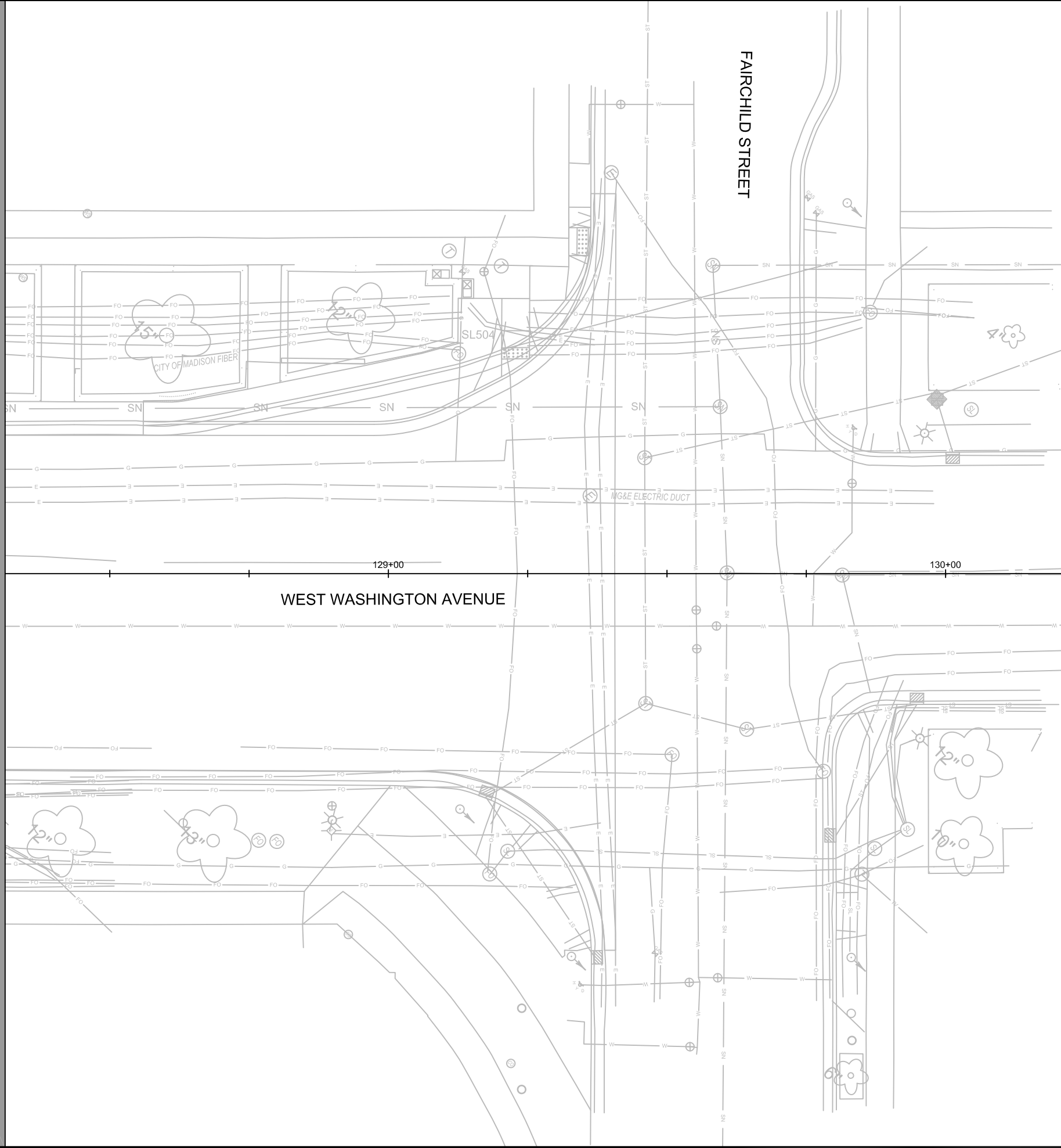
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14389  
 Date: 2/23/2024  
 Scale: 1" = 20'



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	WEST WASHINGTON AVENUE RESURFACING		
City of Madison Wisconsin logo PROJECT: 14389 DATE: 2/23/2024 DESIGNED BY: JLS SCALE: 1" = 20'			
14389 E-5			

ML - (14)



ML - (15)



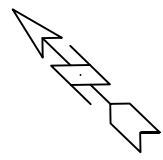
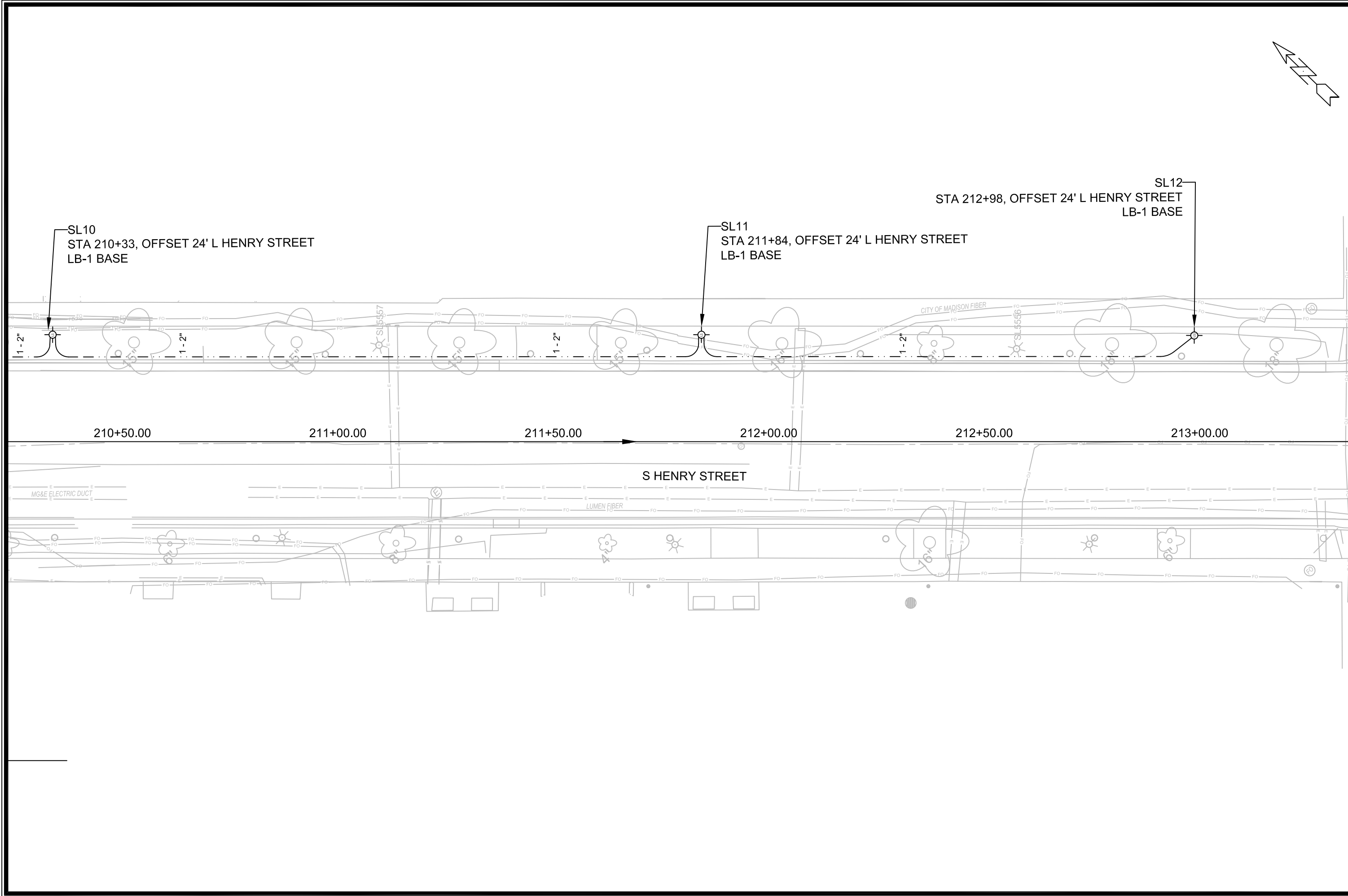
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E-6


ELECTRICAL PLANS  
WEST WASHINGTON AVENUE RESURFACING  
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14389  
MADISON, WI  
CONTRACT NO: 8746

MARK	REVISION	DATE	BY
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Designed By: JLS Date: 2/23/2024  
14389  
Scale: 1" = 20'  
E-6



	14389		E-7	
	ELECTRICAL PLANS		E-7	
	WEST WASHINGTON AVENUE RESURFACING		E-7	
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MADISON, WI		14389		CONTRACT NO: 8746 Scale: 1" = 20'
CONTRACT NO: 8746		14389		
MARK REVISION DATE BY		DESIGNED BY: JLS DATE: 2/23/2024		

14389 - STREETLIGHTING CONDUITS

From	To	60222 SCHEDULE 80 3-INCH (L.F.)	60224 SCHEDULE 40 3-INCH (L.F.)	60230 SCHEDULE 80 2-INCH (L.F.)	60232 SCHEDULE 40 2-INCH (L.F.)	60241 GOPHER RACEWAY FOR ELECTRICAL CONDUIT (L.F.)	60253 FURNISH & INSTALL 3 #4 AND 1 #8 WIRES (L.F.)	60261 ELECTRICAL TRENCH (LF)	Comments
EXHH1	HH12	-	-	-	102	-	327	102	INCL. WIRING TO P494
HH12	HH13	-	-	90	-	90	90	-	
HH13	SL2	-	-	-	25	-	45	25	INCLUDES POLE WIRE
HH13	SL4	-	-	-	165	-	185	165	INCLUDES POLE WIRE
SL4	SL6	-	-	30	160	30	210	142	INCLUDES POLE WIRE
HH12	SL1	-	-	-	10	-	40	10	INCLUDES POLE WIRE
HH12	SL3	-	-	40	97	40	157	97	INCLUDES POLE WIRE
SL3	SL5	-	-	165	34	165	219	17	INCLUDES POLE WIRE
SL5	SL7	-	-	-	120	-	140	120	INCLUDES POLE WIRE
SL7	HH14	-	-	-	75	25	75	50	
HH14	EXHH8	-	-	-	-	-	100	-	
EXHH8	SL8	-	-	-	5	-	55	5	INCLUDES POLE WIRE
SL8	SL9	-	-	30	102	30	152	132	INCLUDES POLE WIRE
HH14	EXHH4	-	-	-	-	-	55	-	
EXHH14	EXHH5	-	-	-	-	-	46	-	
EXHH5	SL10	-	-	-	35	-	55	35	INCLUDES POLE WIRE
SL10	SL11	-	-	-	158	-	178	153	INCLUDES POLE WIRE
SL11	SL12	-	-	-	118	-	138	113	INCLUDES POLE WIRE
		0	0	355	1206	380	2267	1166	

14389 - SIGNAL & STREETLIGHTING CONDUITS

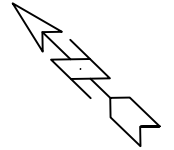
From	To	60222 SCHEDULE 80 3-INCH (L.F.)	60224 SCHEDULE 40 3-INCH (L.F.)	60230 SCHEDULE 80 2-INCH (L.F.)	60232 SCHEDULE 40 2-INCH (L.F.)	60241 GOPHER RACEWAY FOR ELECTRICAL CONDUIT (L.F.)	60253 FURNISH & INSTALL 3 #4 AND 1 #8 WIRES (L.F.)	60261 ELECTRICAL TRENCH (LF)	Comments
EXHH2	HH14	80	-	160	-	80	-	-	CONNECT TO EXISTING CONDUIT
HH14	EXHH4	-	-	-	50	-	-	50	CONNECT TO EXISTING CONDUIT
HH14	SL713	-	6	-	-	-	125	6	SL CIRCUIT FROM TC1
EXHH4	EXHH5	46	-	46	-	46	-	-	
EXHH14	EXHH8	100	-	100	-	100	-	-	
EXHH8	HH15	45	-	45	-	45	-	-	
HH15	EXISTING	15	-	-	-	-	-	15	INTERCEPT EXISTING
HH15	TS2	-	-	-	5	-	-	5	
H15	TS1	-	-	-	16	-	-	16	
		286	6	351	71	271	125	92	

14389 - STREETLIGHTING PULLBOXES

DESCRIPTION	60427 REMOVE ELECTRICAL HANDHOLE (EACH)	60702 CONSTRUCT ELECTRICAL HANDHOLE TYPE I (EACH)	60706 CONSTRUCT ELECTRICAL HANDHOLE TYPE V (EACH)	COMMENTS
	HH12	-	1	
HH13	-	1	-	
		2	0	

14389 - SIGNAL AND STREETLIGHTING PULLBOXES

DESCRIPTION	60427 REMOVE ELECTRICAL HANDHOLE (EACH)	60702 CONSTRUCT ELECTRICAL HANDHOLE TYPE I (EACH)	60706 CONSTRUCT ELECTRICAL HANDHOLE TYPE V (EACH)	COMMENTS
	EXHH3	1	-	
HH14	-	-	1	
HH15	-	1	-	
		1	1	



ELECTRICAL PLANS  
 WEST WASHINGTON AVENUE RESURFACING  
 MADISON, WI  
 CONTRACT NO: 8746  
 14389  
 Scale: 1" = 20'  
 E-8  
 14389  
 Date: 2/23/2024  
 REVISION  
 MARK  
 Designated By: JLS  
 14389







14215 - TRAFFIC SIGNAL CONDUCTORS

FROM	TO	60263 5-14 AWG (LF)	60265 7-14 AWG (LF)	60267 9-14 AWG (LF)	60269 12-14 AWG (LF)	SPV 10 AWG (LF)	60280 LOOP DETECTOR LEAD-IN CABLE SPECIAL (LF)	COMMENTS
TC1	SL713	-	110	-	-	95	-	
TC1	TS1	120	-	-	-	105	-	
TC1	EXTS3	-	-	170	-	155	-	
TC1	SL10185	-	-	215	-	200	-	
TC1	EXTS4	-	210	-	-	195	-	
TC1	TS2	-	-	131	-	116	-	
TC1	EXHH6	190	-	-	-	175	-	
TC1	HH14	-	-	-	-	-	210	2 DETECTOR CABLES
TC1	EXHH12	-	-	-	-	-	170	1 DETECTOR CABLE
TC1	EXHH13	-	-	-	-	-	250	1 DETECTOR CABLE
TC1	EXHH5	-	-	-	-	-	200	1 DETECTOR CABLE
TOTAL		310	320	516	0	1041	830	

14845 - TRAFFIC SIGNAL POLES

STRUCTURE	90021 FURNISH & INST ALL BASE PEDESTAL (EACH)	9022 FURNISH & INST ALL TRAFFIC SIGNAL POLE 15-FOOT (EACH)	90023 FURNISH & INST ALL TRAFFIC SIGNAL HEAD 12-INCH (EACH)	90024 FURNISH & INST ALL PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN (EACH)	90025 FURNISH & INST ALL ACCESSIBLE PEDESTRIAN SIGNAL (EACH)
EXTS1	-	-	-	-	-
SL713	-	-	2	-	-
TS1	1	1	-	1	1
EXTS3	-	-	-	-	-
SL10185	-	-	-	-	-
EXTS2	-	-	-	-	-
EXTS4	-	-	1	-	-
TS2	1	1	1	-	-
SL508	-	-	1	-	-
EXTS5	-	-	-	-	-
EXTS6	-	-	-	-	-
SL5559	-	-	-	-	-
EXTS7	-	-	-	-	-
TOTAL:	2	2	5	1	1

TRAFFIC DETECTOR LOOPS (HENRY & WEST WASHINGTON)

LOOP NO.	DIST TO DOWNSTREAM STOPBAR (FT)	DOWNSTREAM SIGNAL	DESCRIPTION	SIZE	NO. TURNS	60280 LOOP DETECTOR LEAD IN WIRE LF
L1	2	HENRY & WEST WASHINGTON	EBLT STOP BAR	ft R 6X10	3	146
L2	5	HENRY & WEST WASHINGTON	EB STOP BAR	ft R 6X10	3	126
L3	8	HENRY & WEST WASHINGTON	EB BIKE STOP BAR	ft R BIKE	3	110
L4	80	HENRY & WEST WASHINGTON	EB BIKE REAR	ft R BIKE	3	110
L5	160	HENRY & WEST WASHINGTON	EB REAR	ft R 6X6	3	114
L6	3	HENRY & WEST WASHINGTON	NB STOP BAR	ft R 6X10	3	132
				ft R	3	0
				ft R	3	0
				ft R	3	0
				ft R		0
				ft R		0
INTERSECTION TOTAL						738

Scale: 1" = 20'

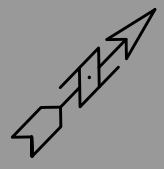
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DATE: 3/15/2024  
MARKED BY: JLS

14389  
MADISON, WI  
CONTRACT NO: 8746

ELECTRICAL PLANS  
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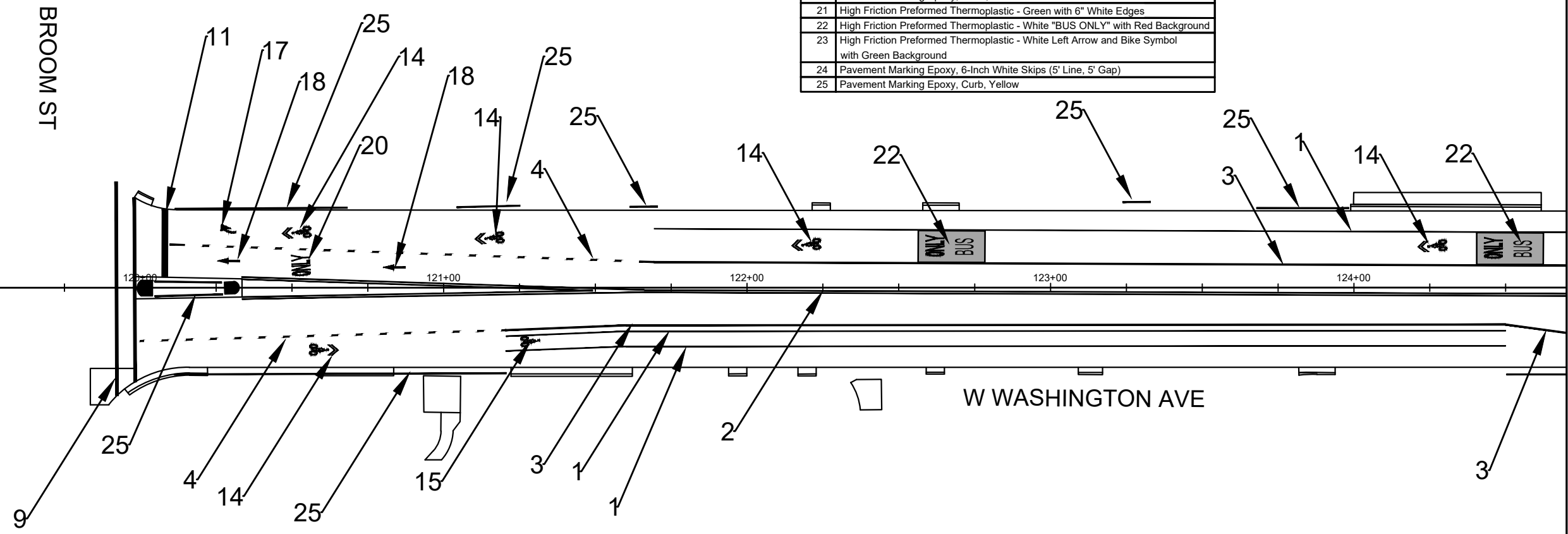
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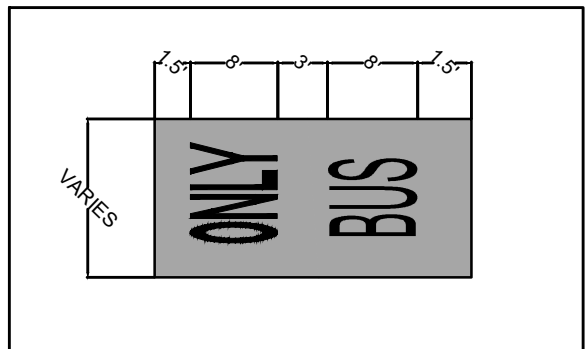
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2	Pavement Marking Epoxy, Double Line, 4-Inch
3	Pavement Marking Epoxy, Line, 6-Inch Solid White
4	Pavement Marking Epoxy, 6-Inch White Skips (2' Line, 6' Gap)
5	Pavement Marking Epoxy, 6-Inch Yellow Skips (10' Line, 30' Gap)
6	Pavement Marking Epoxy, Line, 8-Inch Solid White
7	Pavement Marking Epoxy, 8-Inch White Skips (2' Line, 6' Gap)
8	Pavement Marking Epoxy, Crosswalk, 6-Inch
9	Pavement Marking Epoxy, Crosswalk, 12-Inch
10	Pavement Marking Epoxy, Continental Crosswalk, 18-Inch
11	Pavement Marking Epoxy, Stop Line, 24-Inch
12	Pavement Marking Epoxy, Median Nose
13	Pavement Marking Epoxy, Stop Line, 24-Inch
14	Pavement Marking Epoxy, Symbol, Bike Sharrow
15	Pavement Marking Epoxy, Symbol, Bike Lane
16	Pavement Marking Epoxy, Symbol, Left Arrow
17	Pavement Marking Epoxy, Symbol, Right Arrow
18	Pavement Marking Epoxy, Symbol, Straight Arrow
19	Pavement Marking Epoxy, Symbol, Straight & Right Arrow
20	Pavement Marking Epoxy, Word, ONLY
21	High Friction Preformed Thermoplastic - Green with 6" White Edges
22	High Friction Preformed Thermoplastic - White "BUS ONLY" with Red Background
23	High Friction Preformed Thermoplastic - White Left Arrow and Bike Symbol with Green Background
24	Pavement Marking Epoxy, 6-Inch White Skips (5' Line, 5' Gap)
25	Pavement Marking Epoxy, Curb, Yellow

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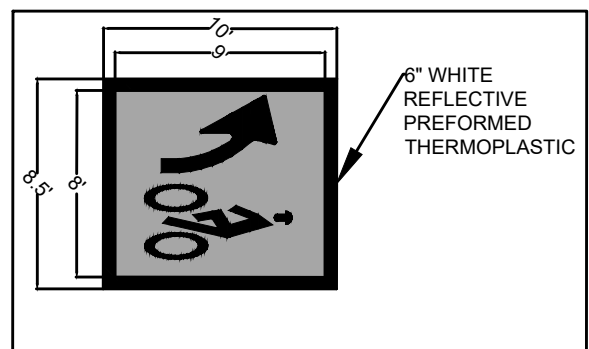


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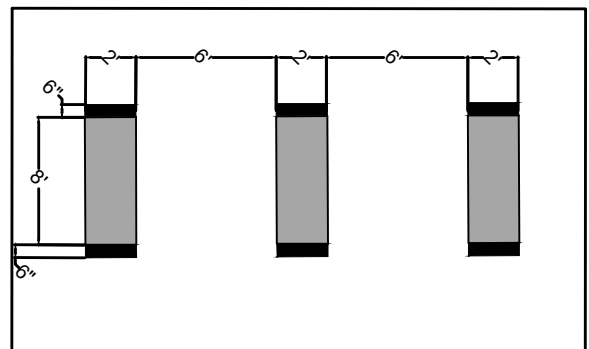
BUS LANE RED DETAIL



LEFT TURN BIKE BOX DETAIL



GREEN DASH DETAIL



DATE	BY

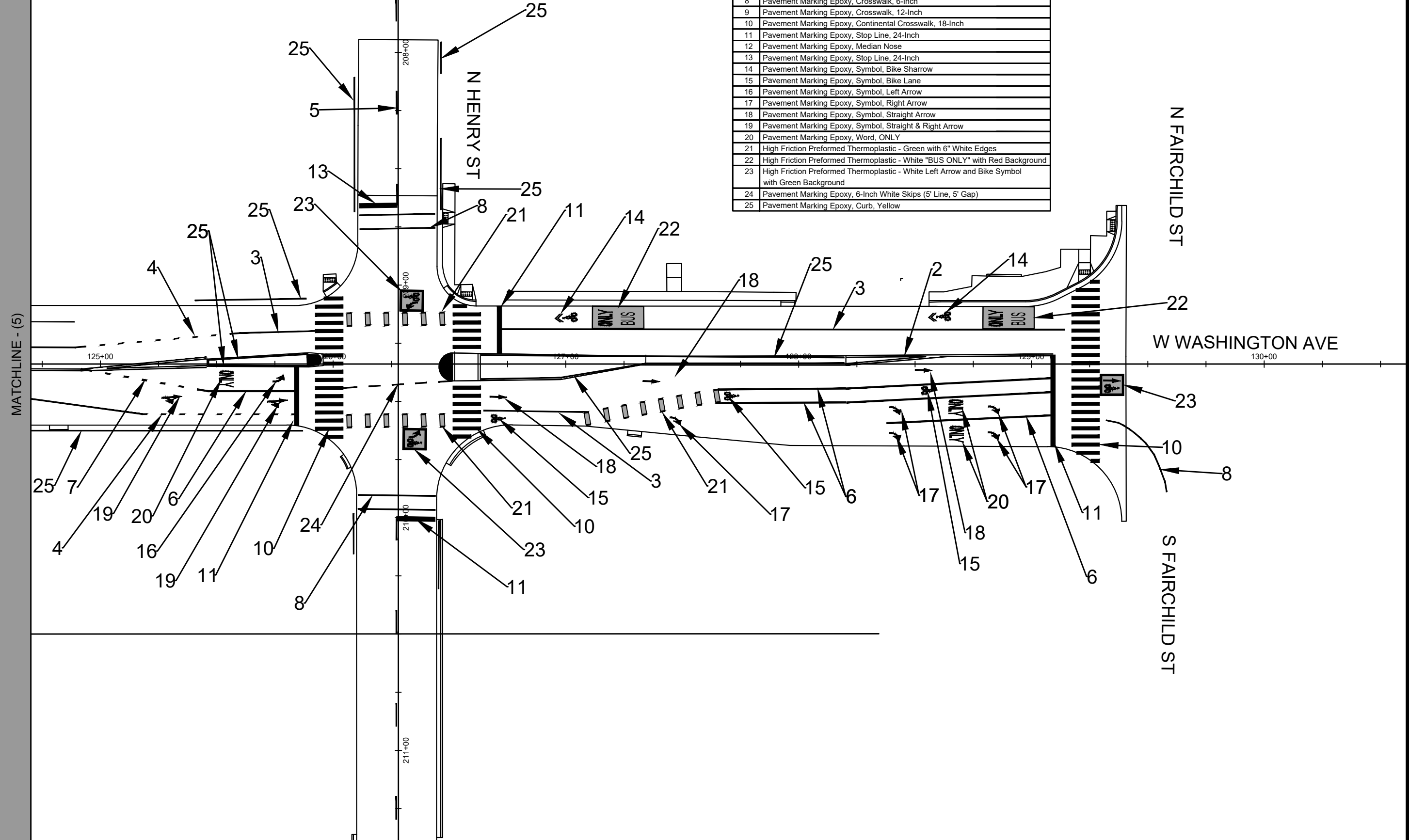
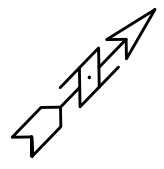
14389  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
 CONTRACT NO: 8746

14389TE-PAVEMENT MARKING PLAN - PM - (1)  
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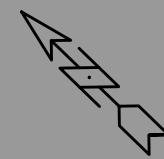


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PM-1

Callout	Description
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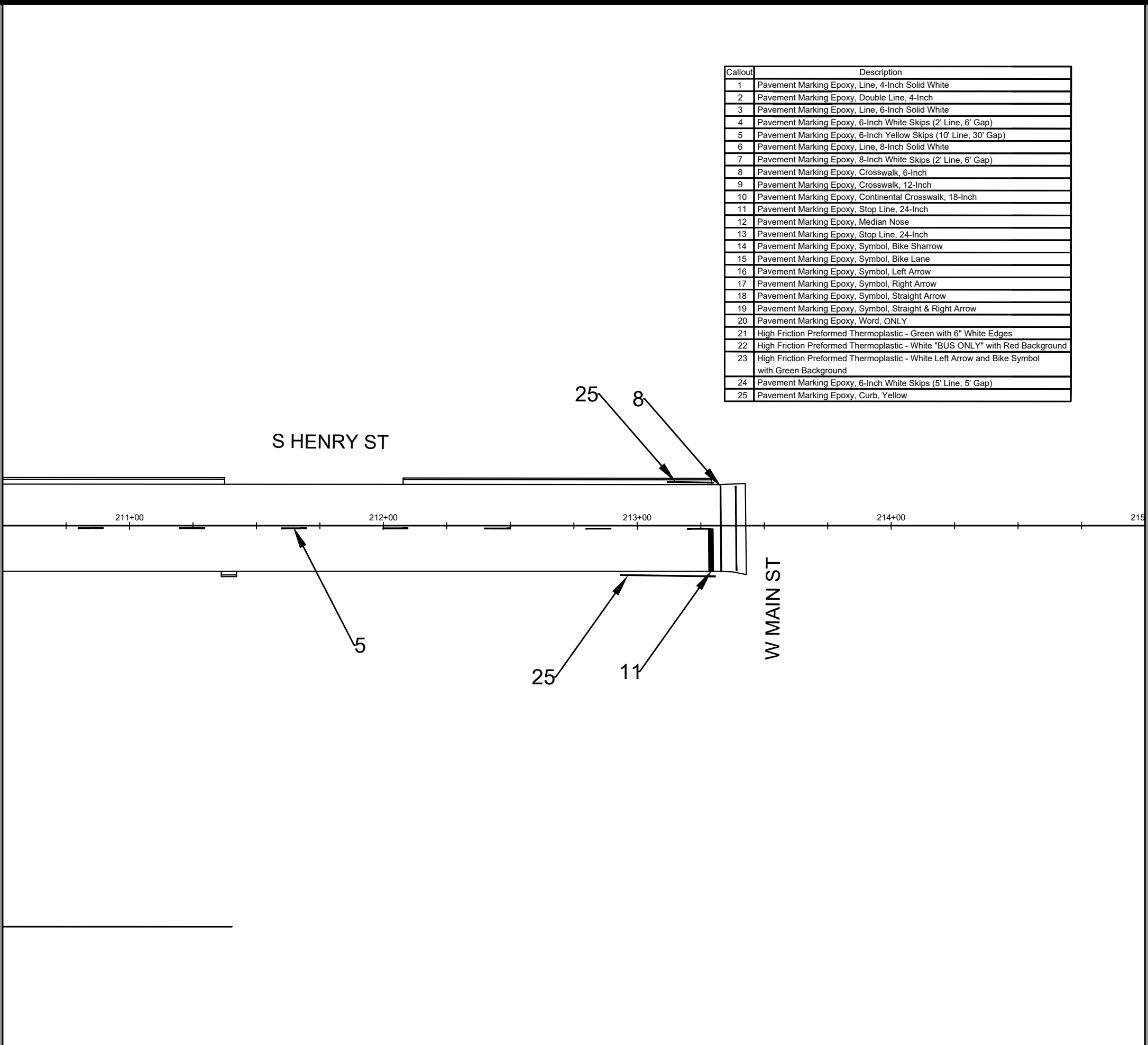


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MATCHLINE - (9)



MARK	REVISION	DATE	BY

Designed By: MFG  
Date: 3/22/24 2:37 PM  
Scale: 1" = 40'

14389  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
 CONTRACT NO.: 8746







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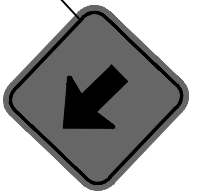
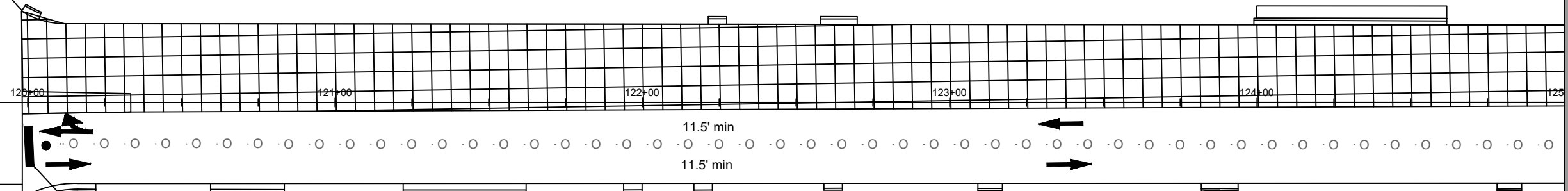
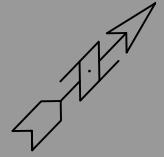
N BROOM ST

S BROOM ST

W WASHINGTON AVE

MATCHLINE - (5)

Legend	
	Barricade
	Arrow Board
	Direction of Travel
	Tubular Markers



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14389  
 MADISON, WI  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 CONTRACT NO: 8746



14389  
 TC - 1

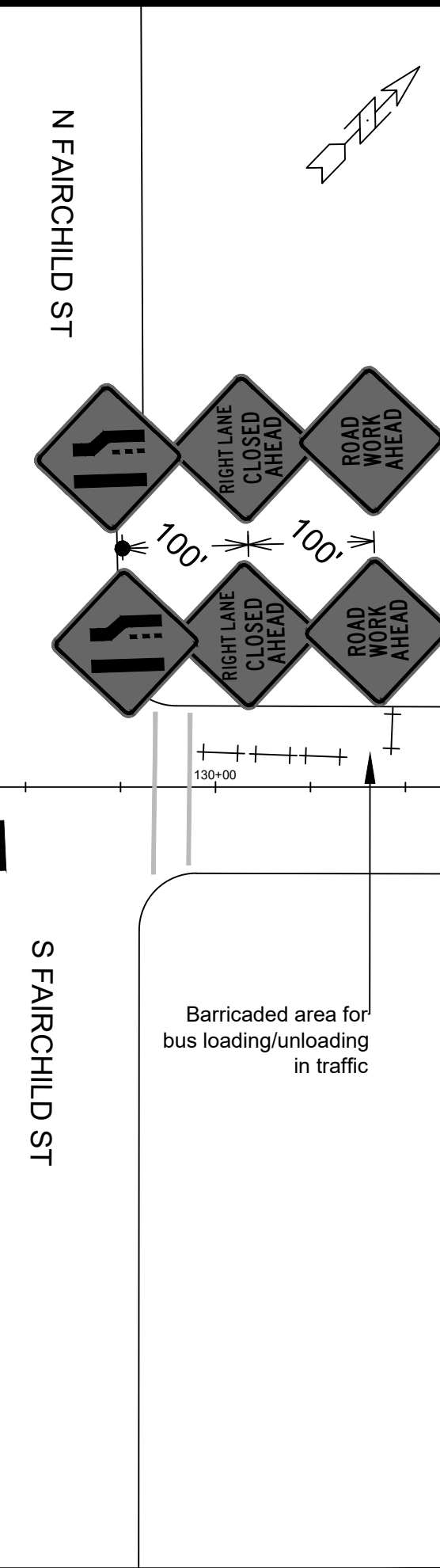
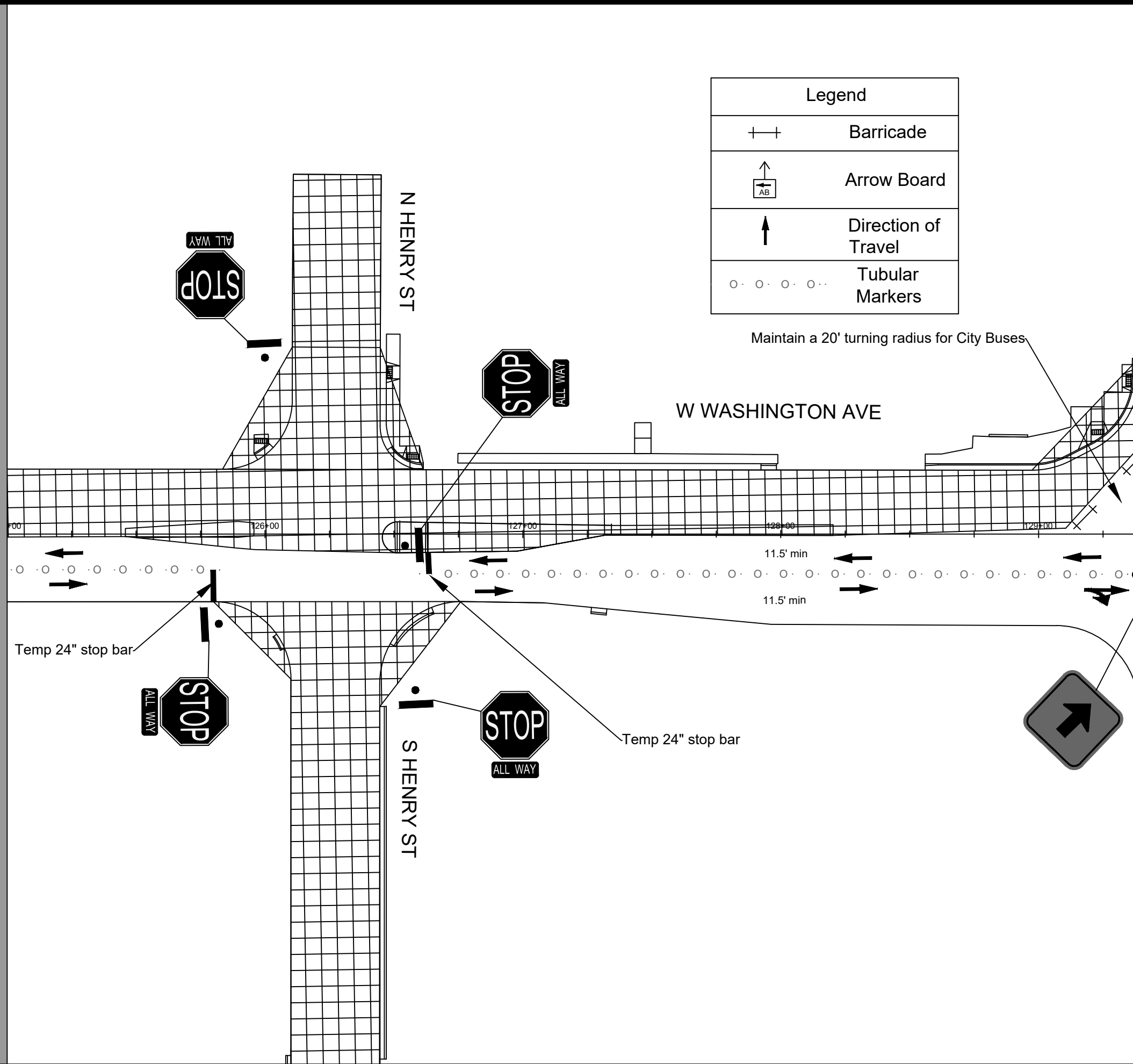
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Scale: 1" = 40'

TC - 1

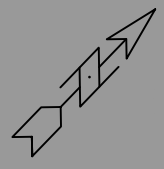
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TRAFFIC CONTROL PLAN PHASE 1		14389
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING		MADISON, WI
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CONTRACT NO:		14389
Scale: 1" = 40'		TC - 2
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REVISION		
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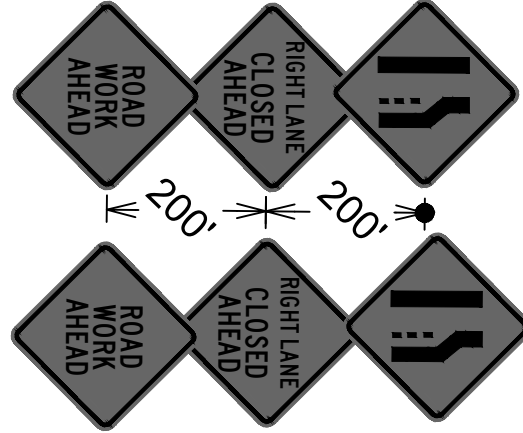
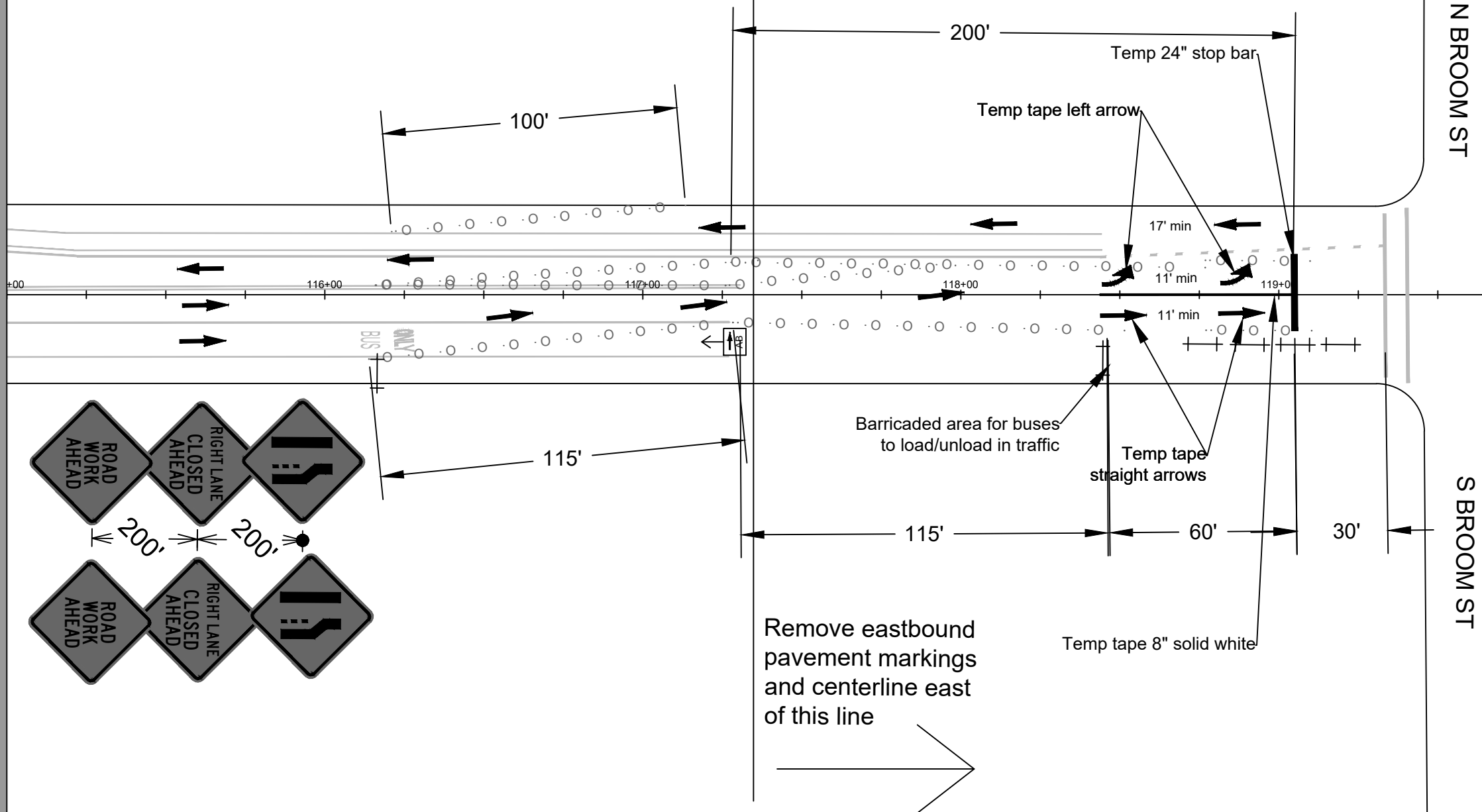
14389  
TC - 2



Legend	
	Barricade
	Arrow Board
	Direction of Travel
	Tubular Markers

MATCHLINE - (10)

MATCHLINE - (11)



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14389  
 MADISON, WI  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 CONTRACT NO: 8746  
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 14389  
 TC - 3







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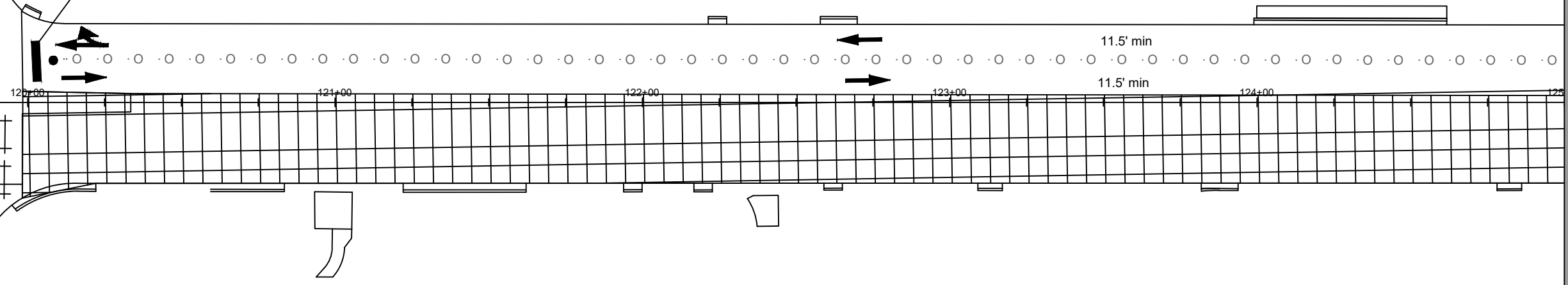
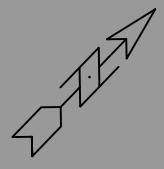


MATCHLINE - (11)

N BROOM ST

S BROOM ST

Legend	
	Barricade
	Arrow Board
	Direction of Travel
	Tubular Markers



MATCHLINE - (12)

MARK	REVISION	DATE	BY

14389  
 MADISON, WI  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 CONTRACT NO: 8746

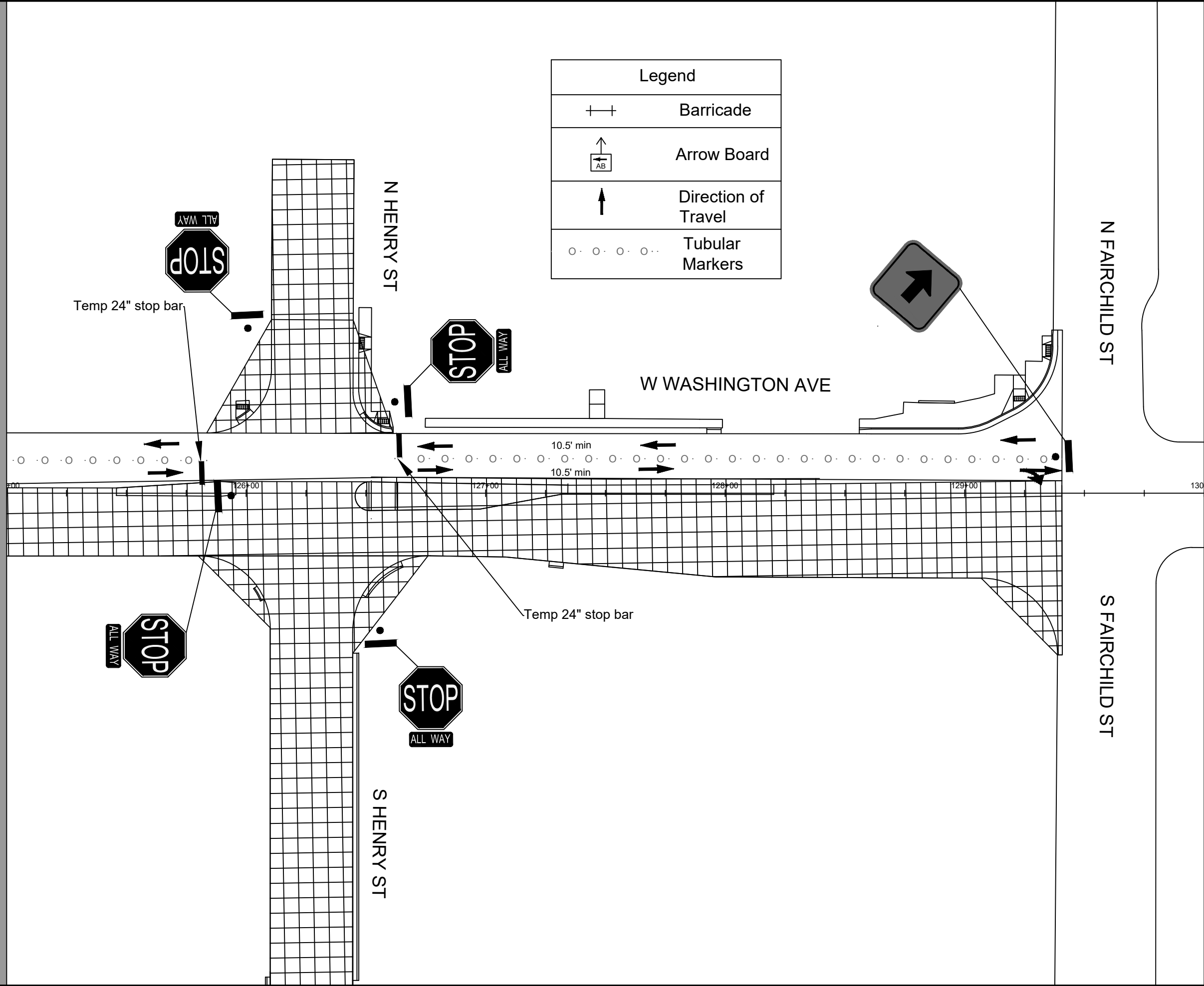


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 TC - 4

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MATCHLINE - (12)



MATCHLINE - (13)



14389  
TC - 5

TRAFFIC CONTROL PLAN PHASE 2

WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING

MADISON, WI

14389

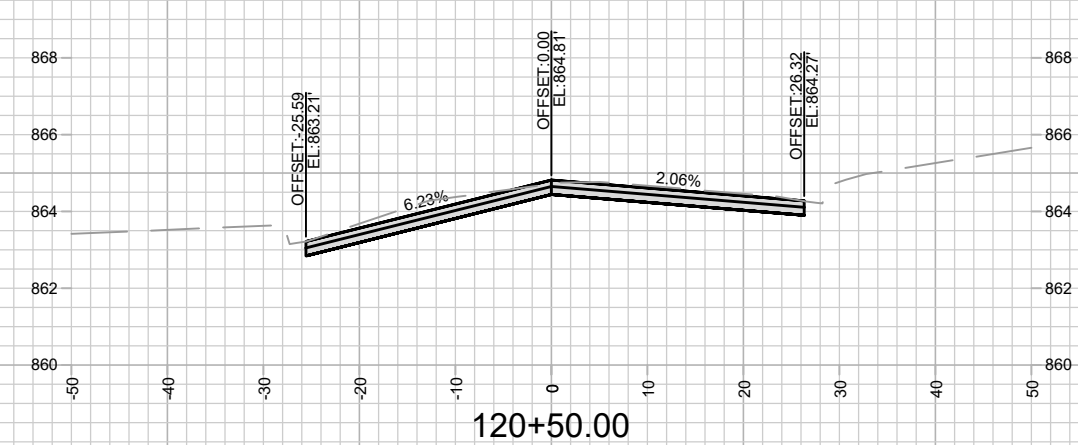
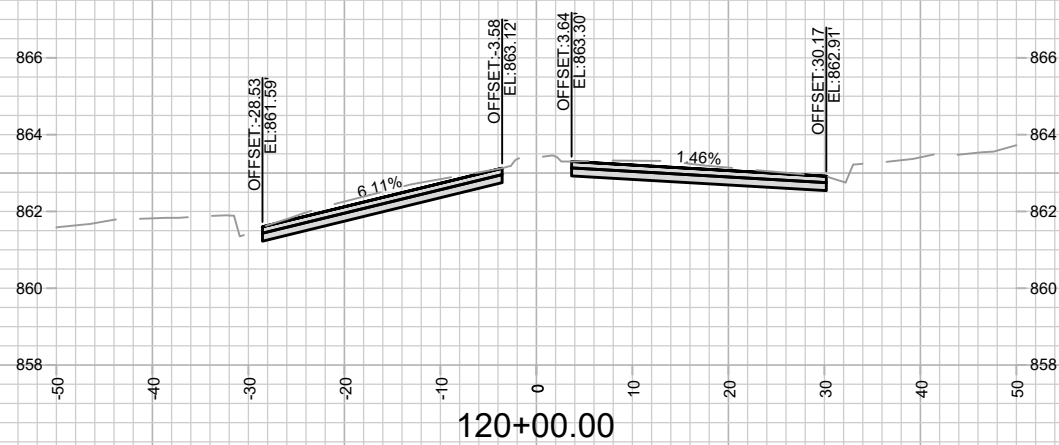
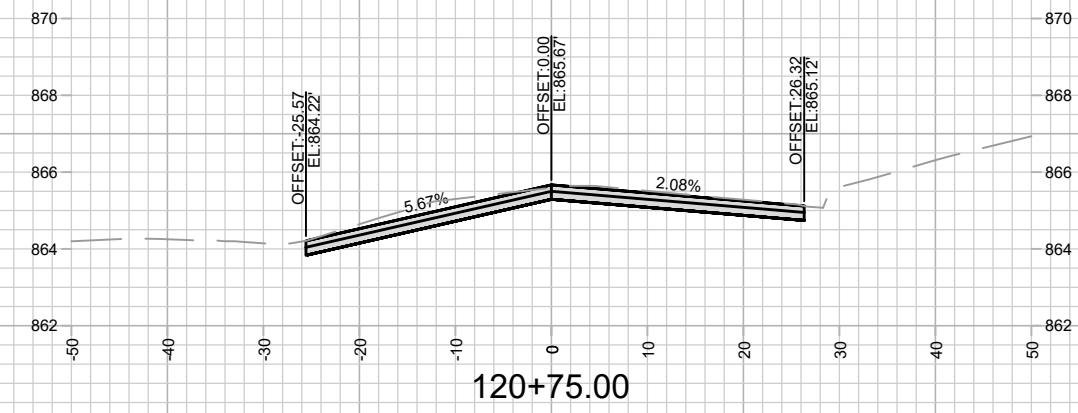
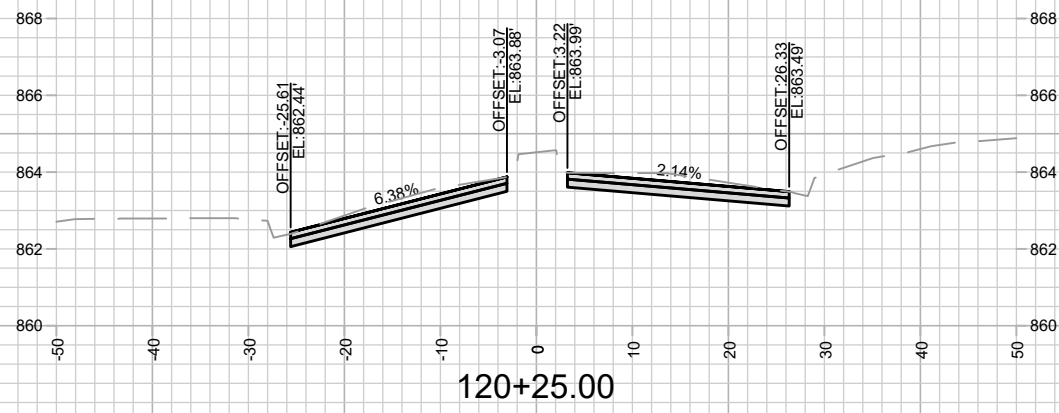
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CONTRACT NO: 8746

MARK	REVISION	DATE	BY
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Scale: 1" = 40'

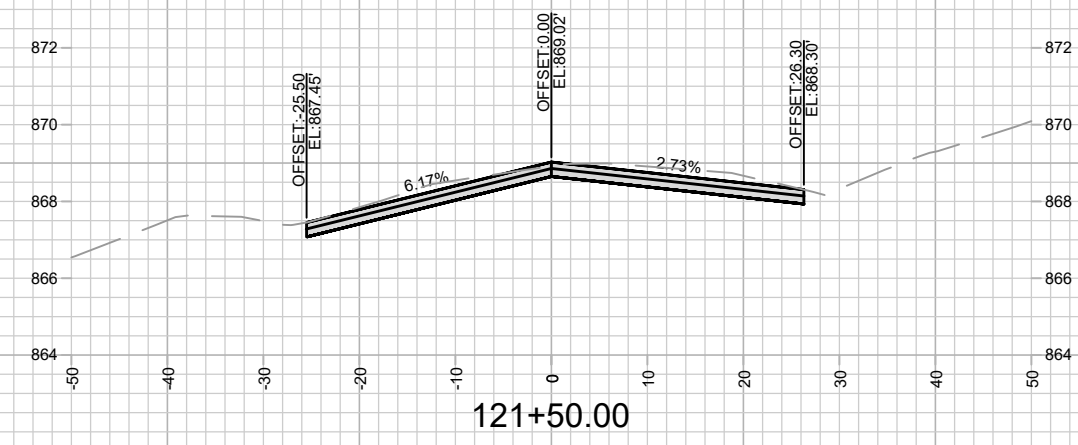
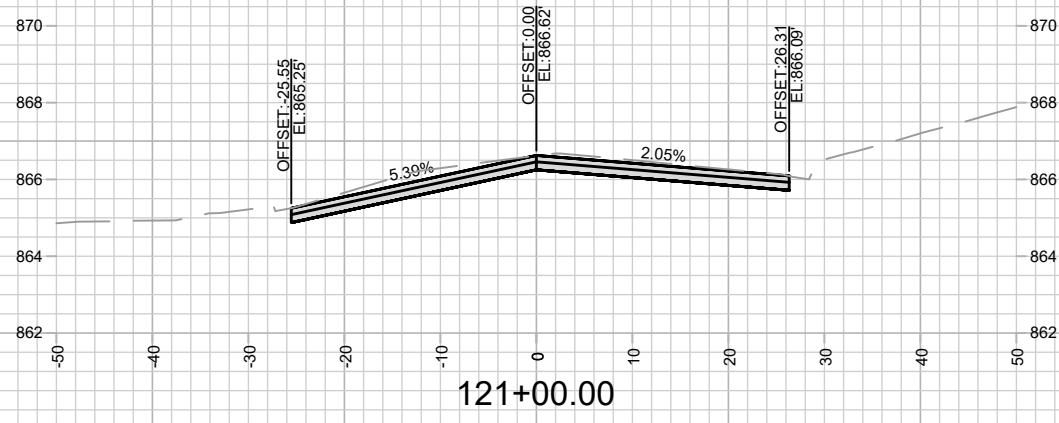
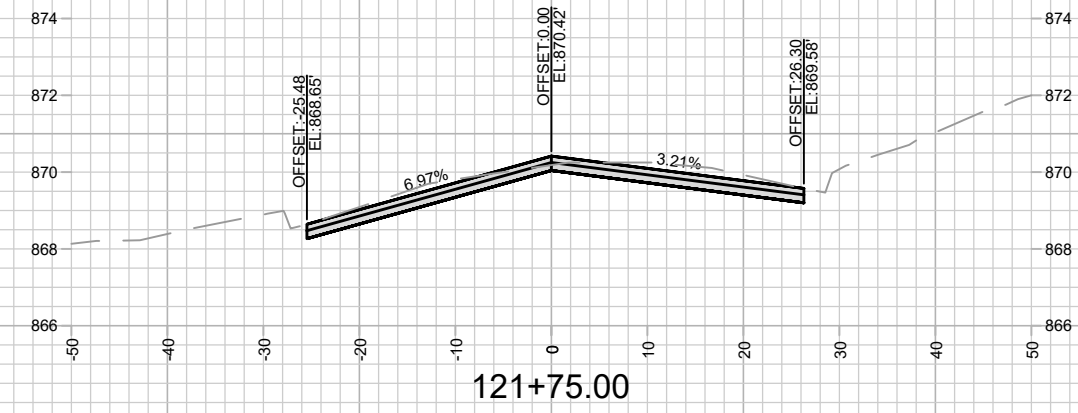
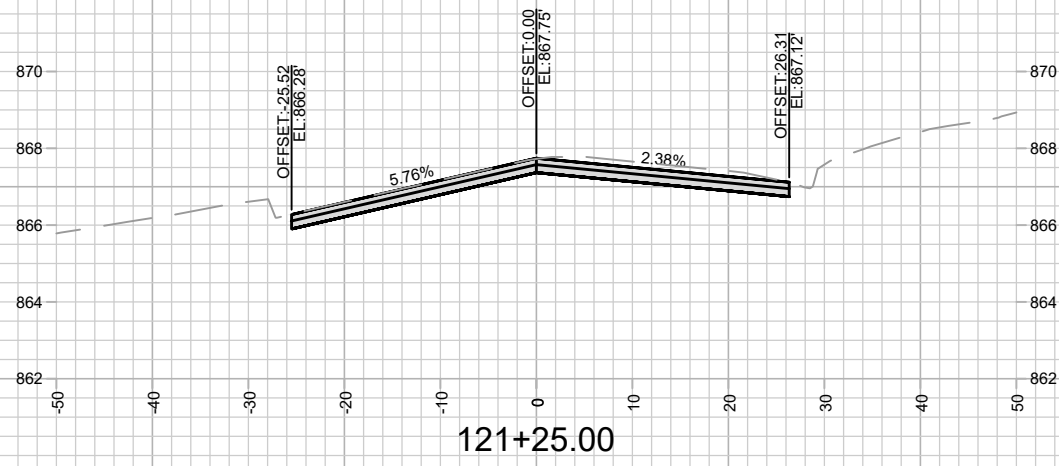
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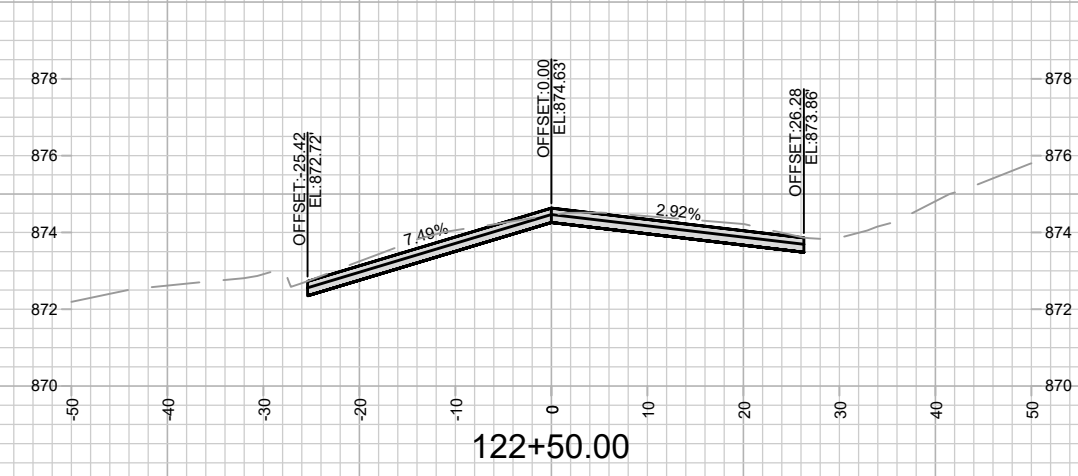
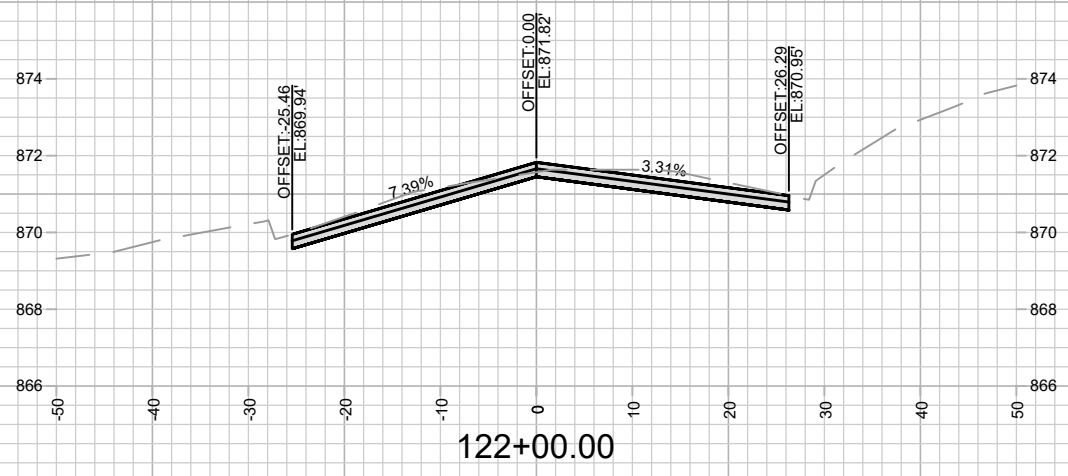
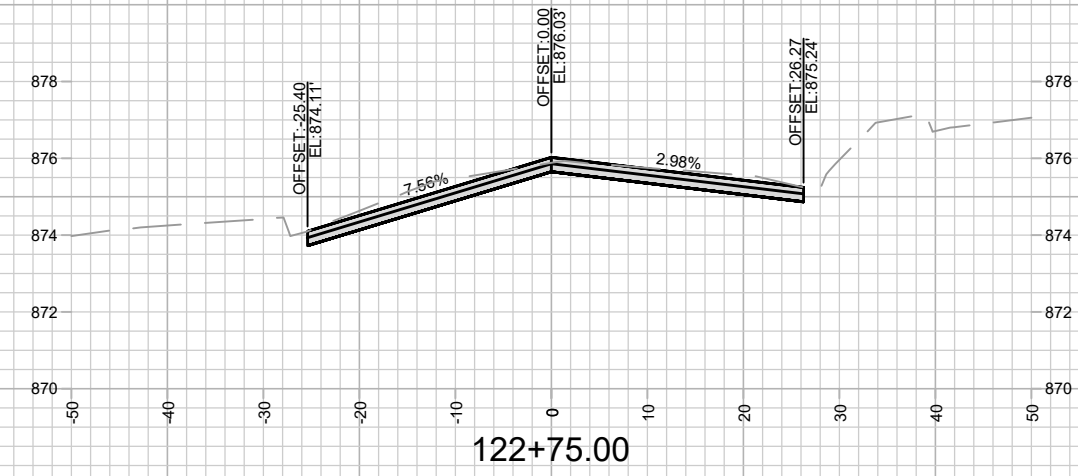
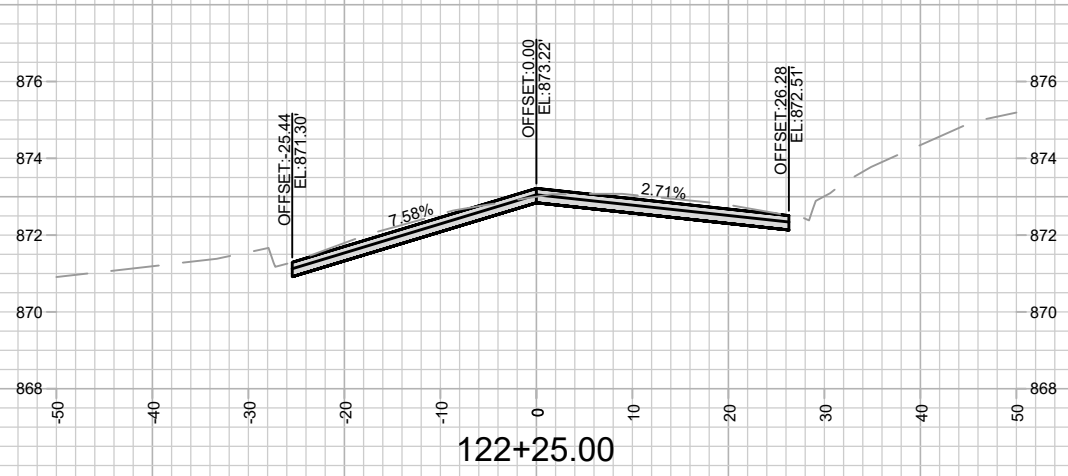
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 WEST WASHINGTON AVENUE - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
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 WEST WASHINGTON AVENUE - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
 CONTRACT NO: 8746  
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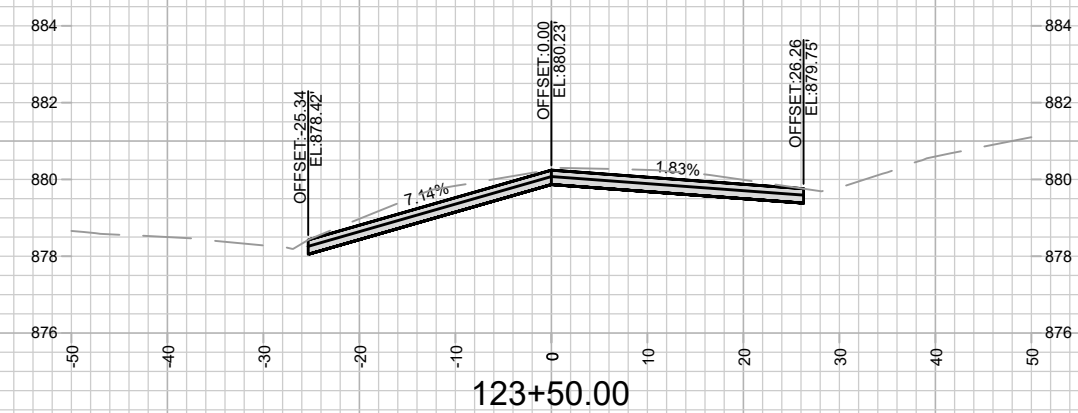
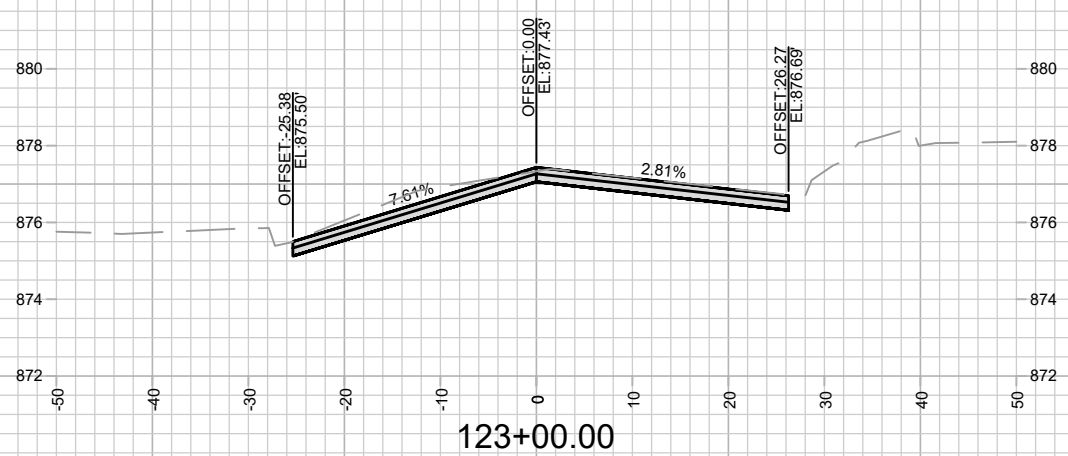
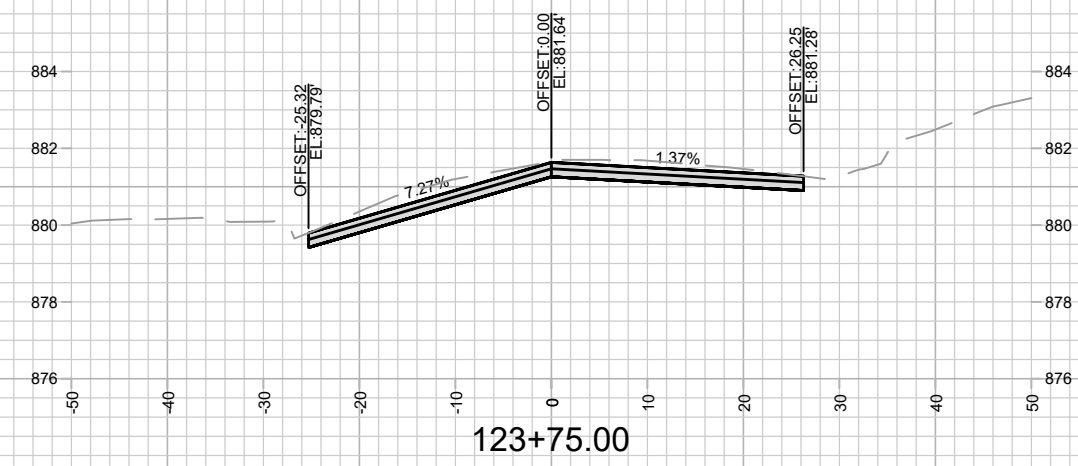
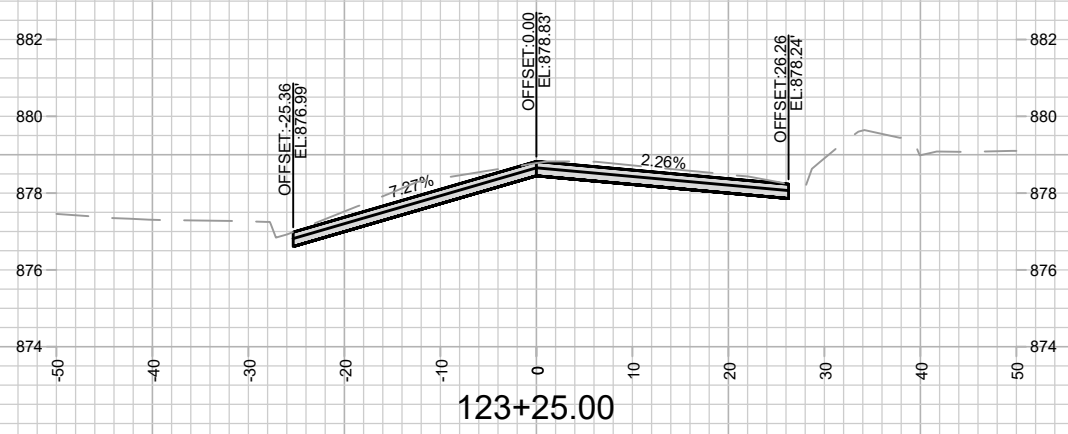


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 WEST WASHINGTON AVENUE - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
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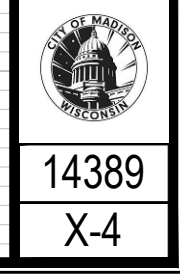


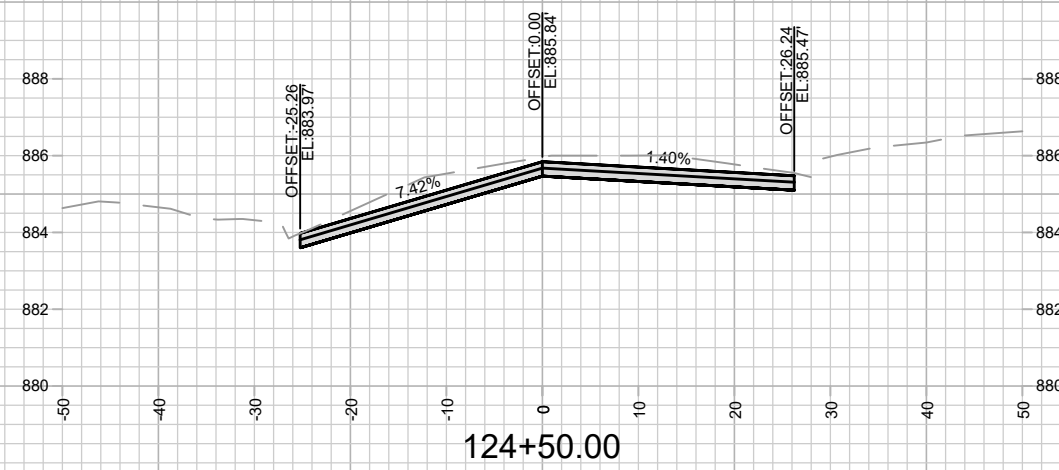
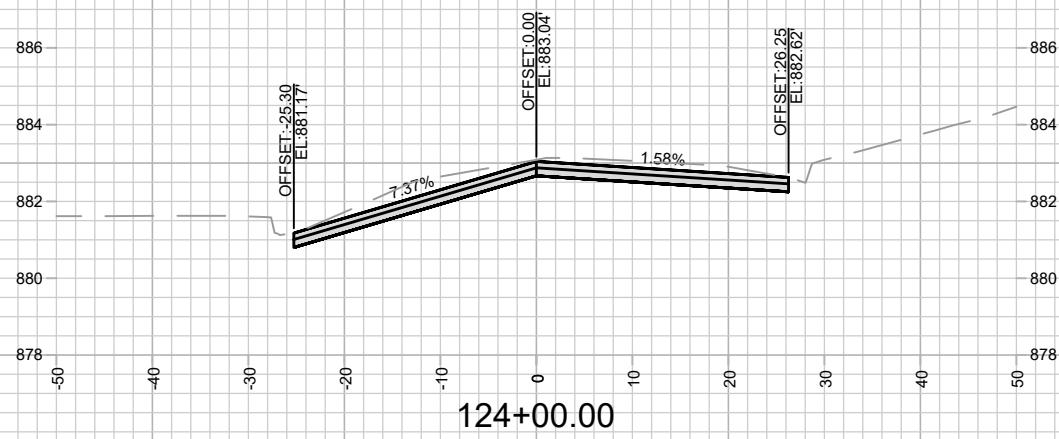
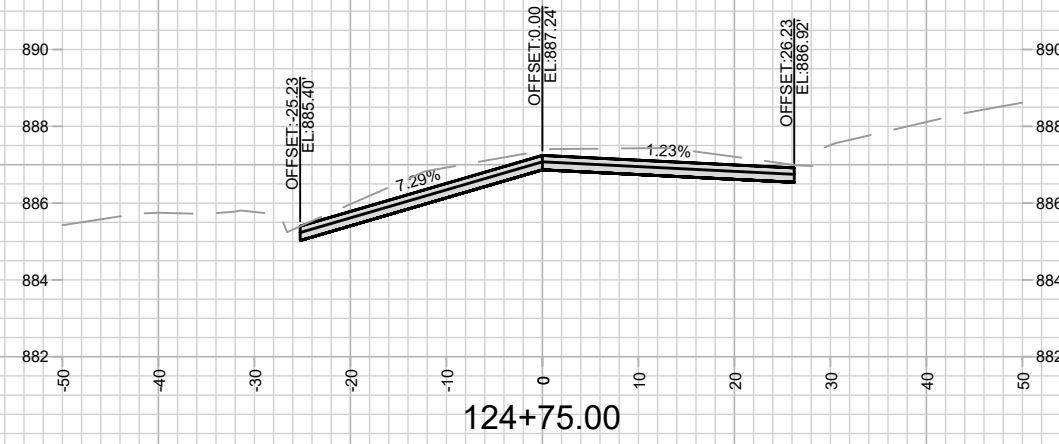
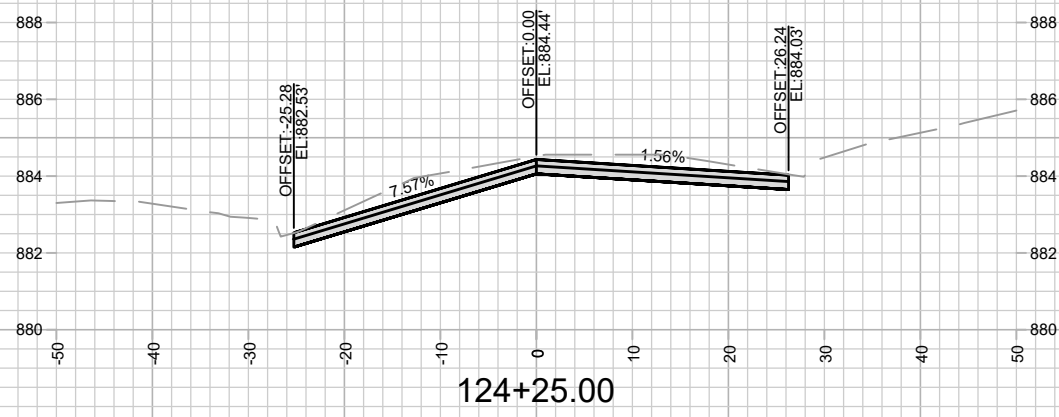
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MARK	REVISION	DATE	BY

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 WEST WASHINGTON AVENUE - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
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 X-4



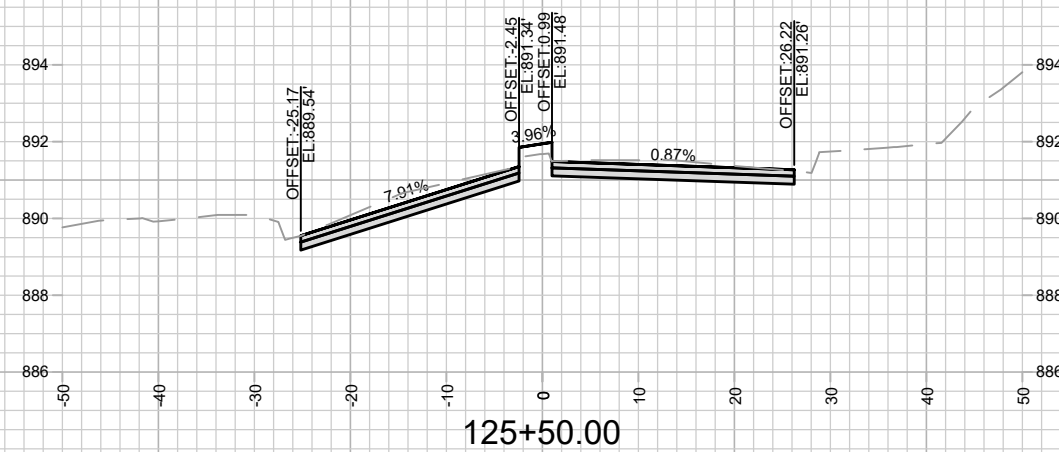
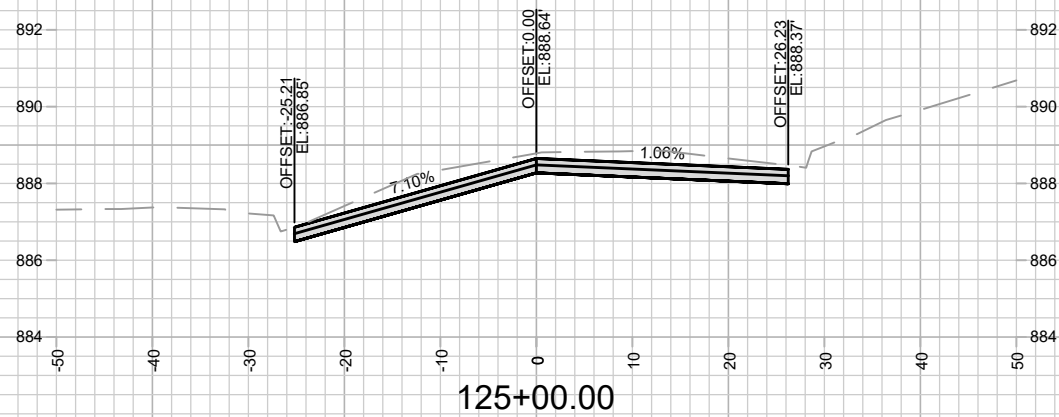
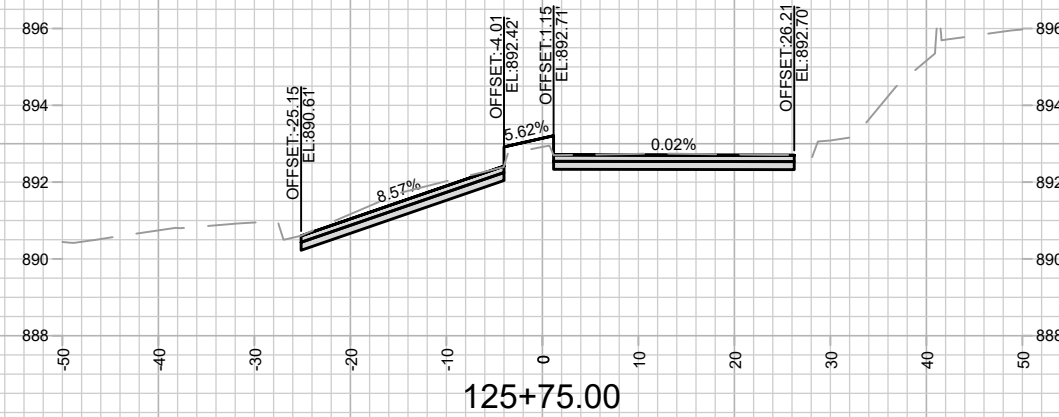
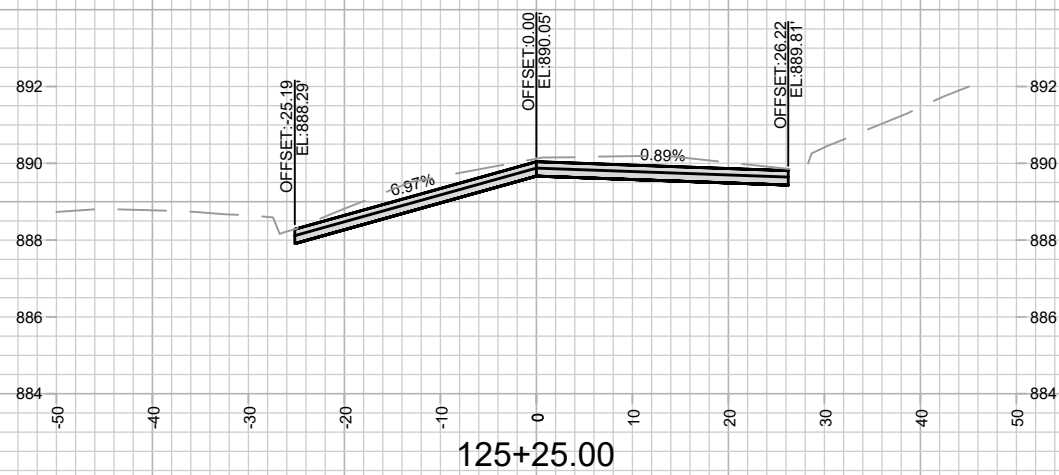


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 WEST WASHINGTON AVENUE - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
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 X-5

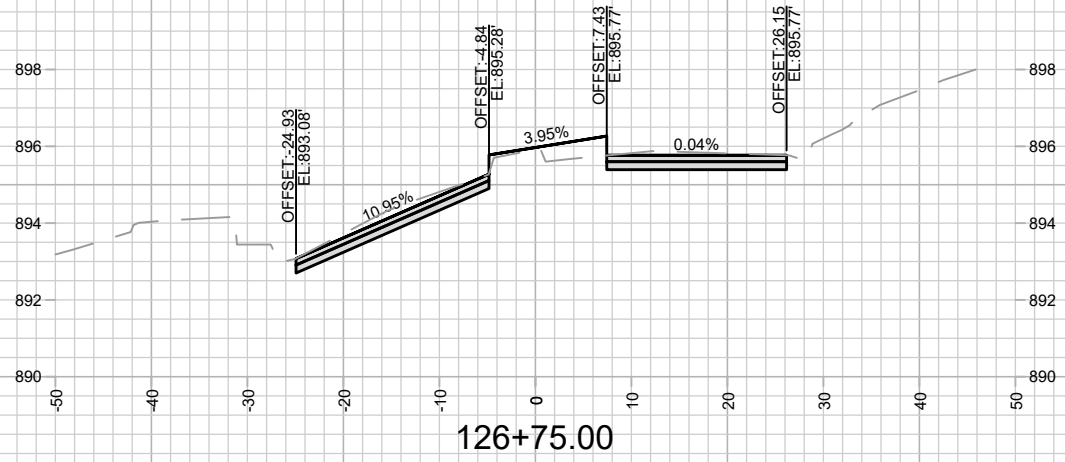
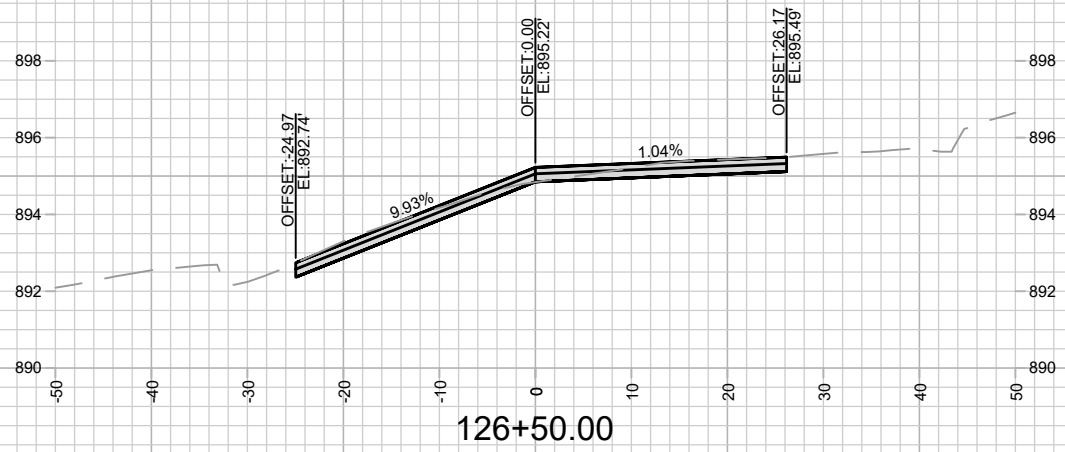
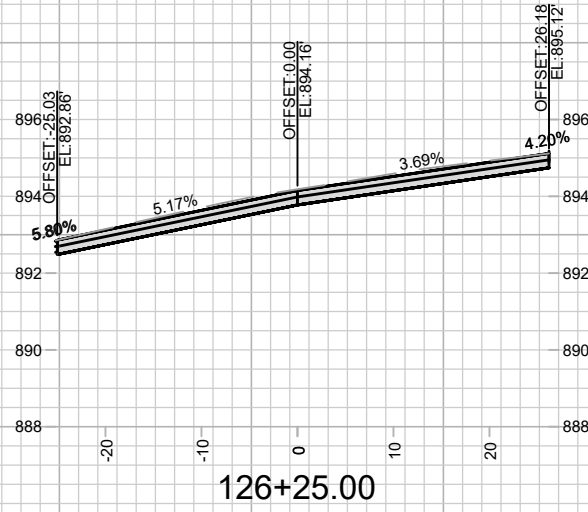
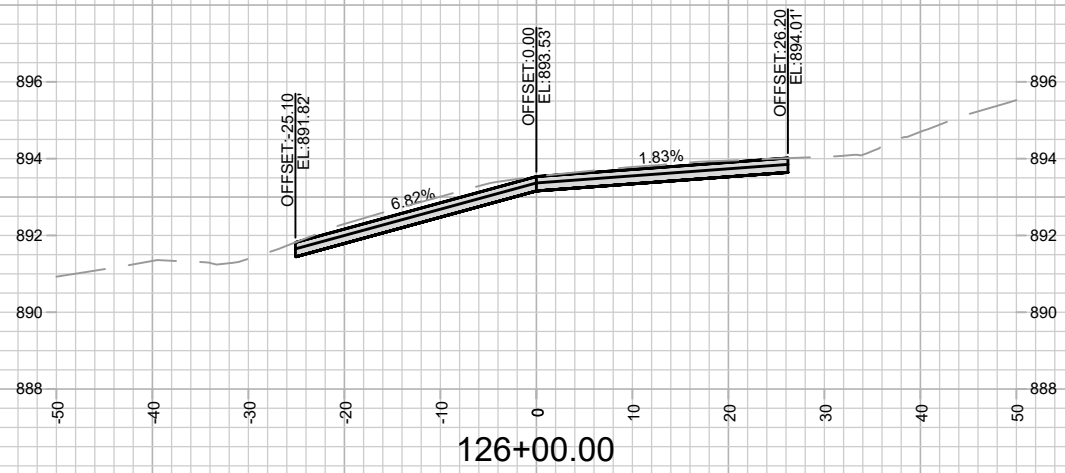


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14389  
WEST WASHINGTON AVENUE - CROSS SECTIONS  
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
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X-7

WEST WASHINGTON AVENUE - CROSS SECTIONS

WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING

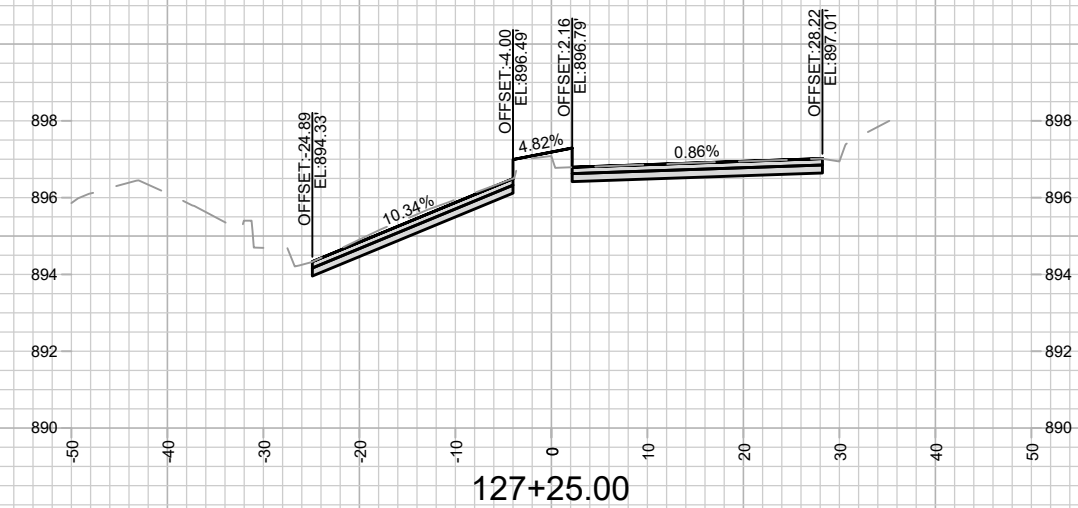
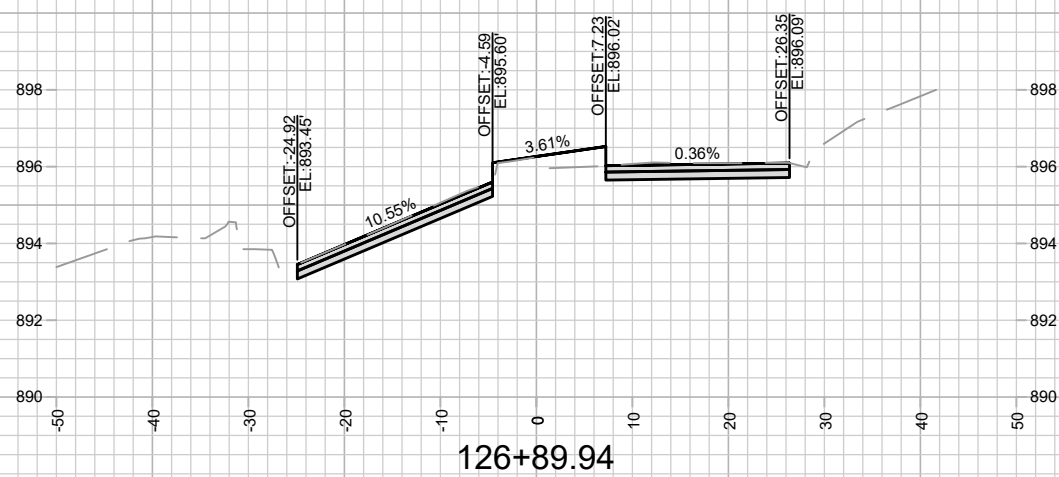
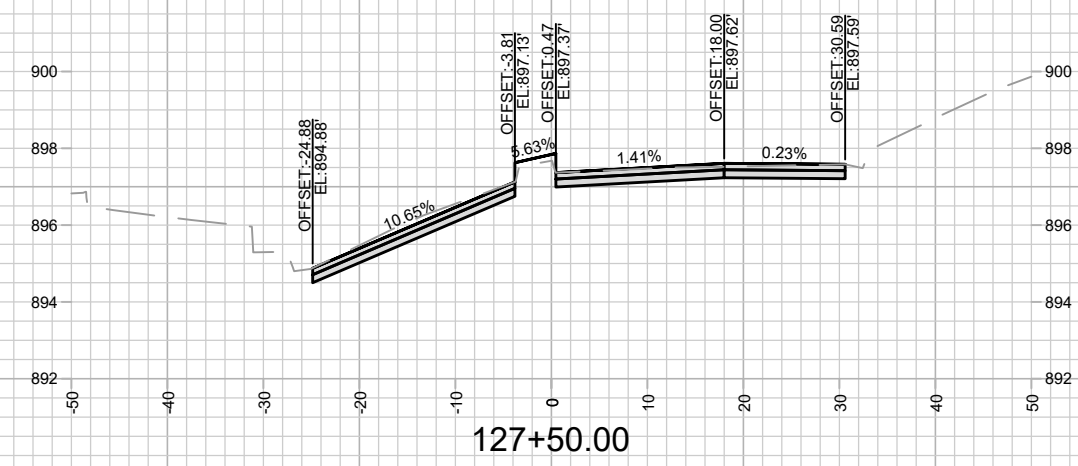
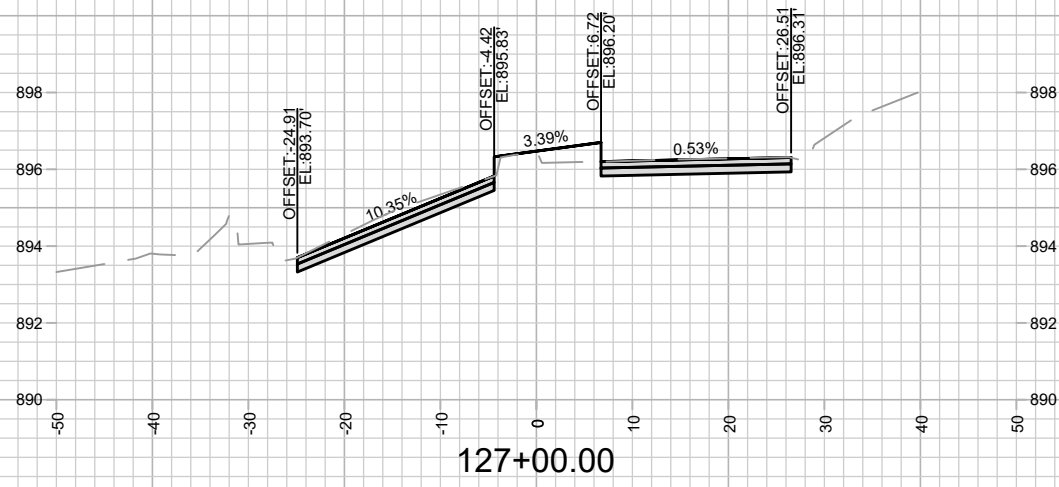
MADISON, WI

14389

CONTRACT NO: 8746

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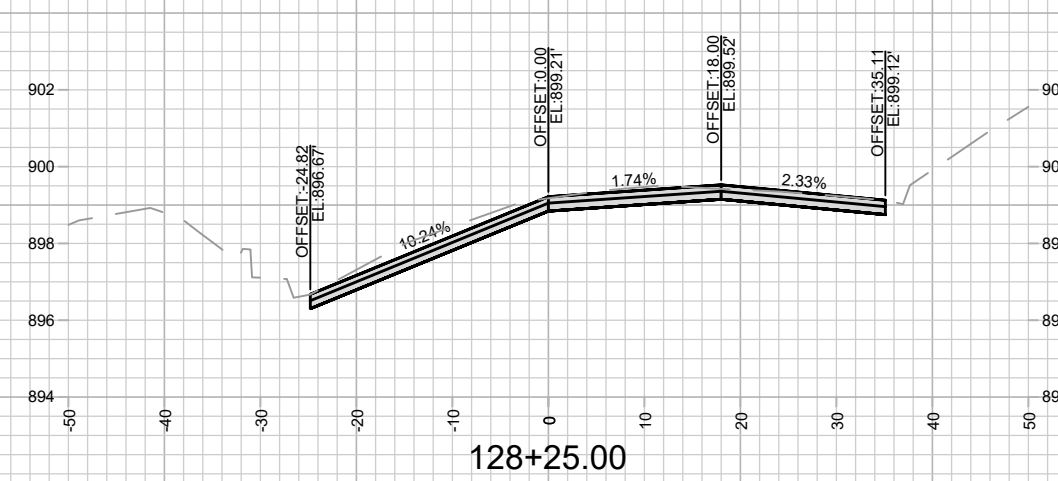
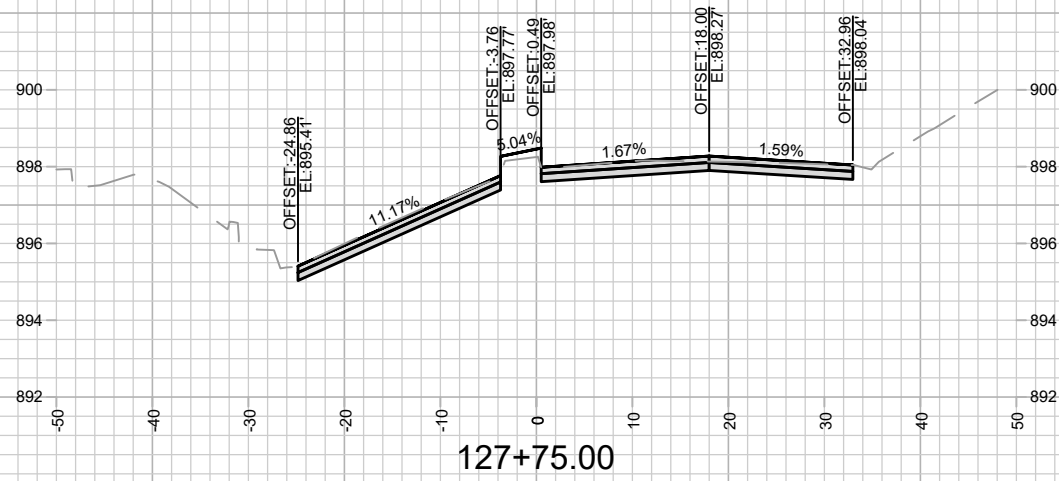
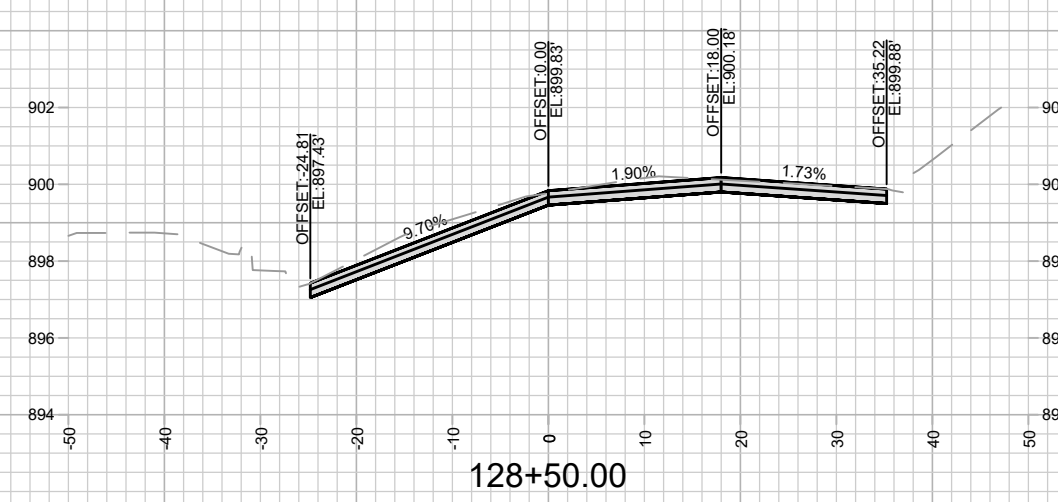
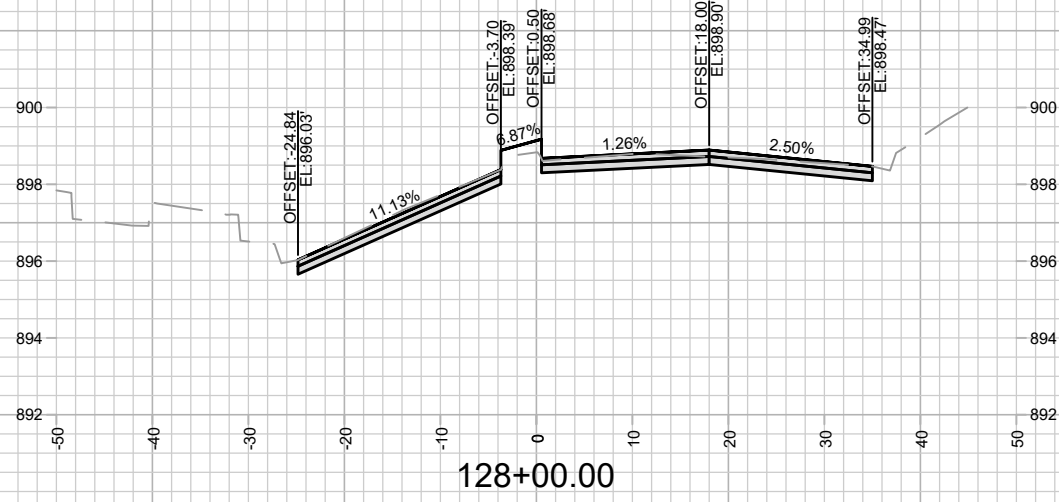
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 WEST WASHINGTON AVENUE - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
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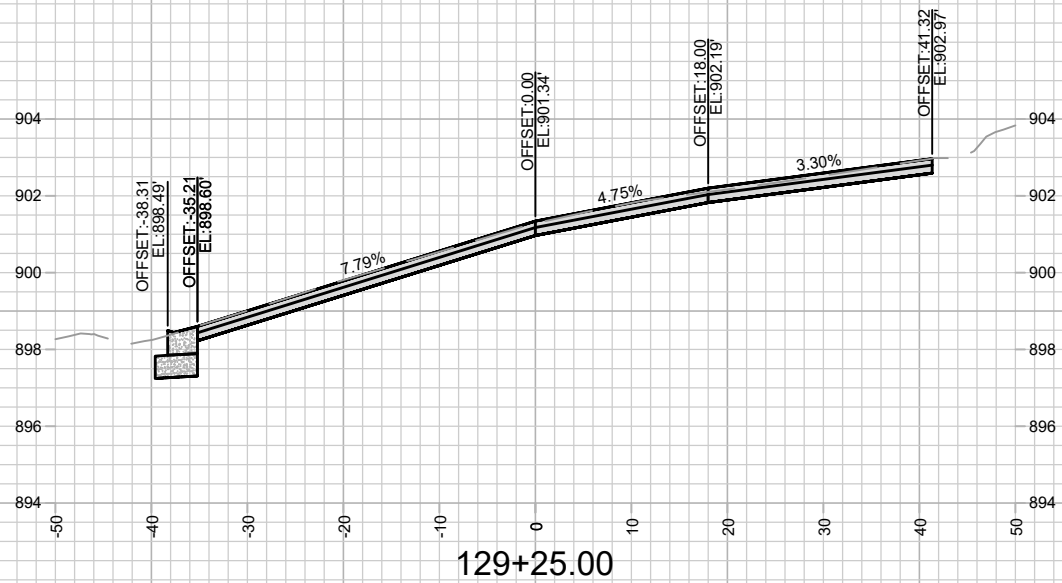
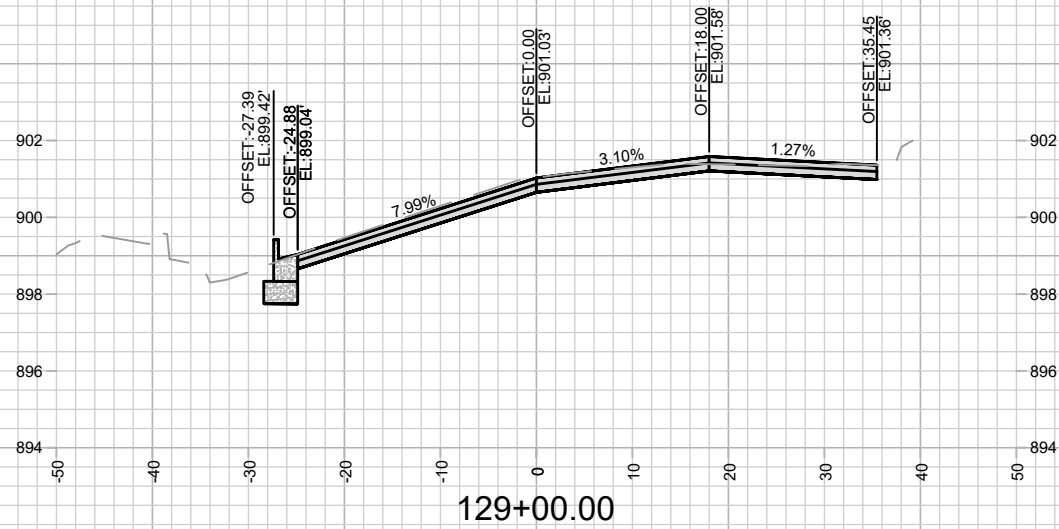
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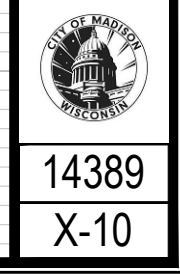
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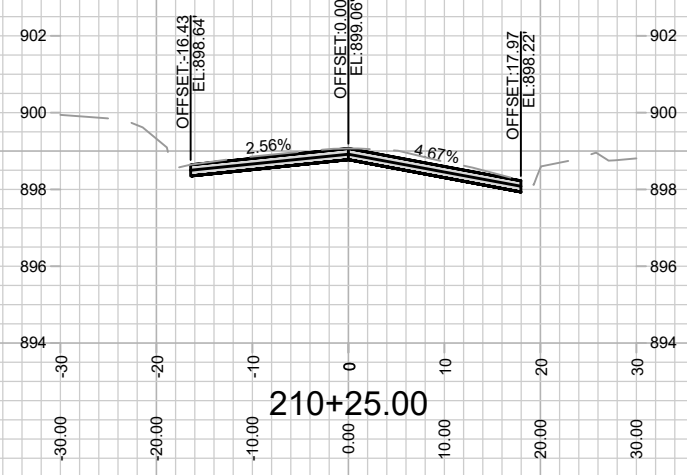
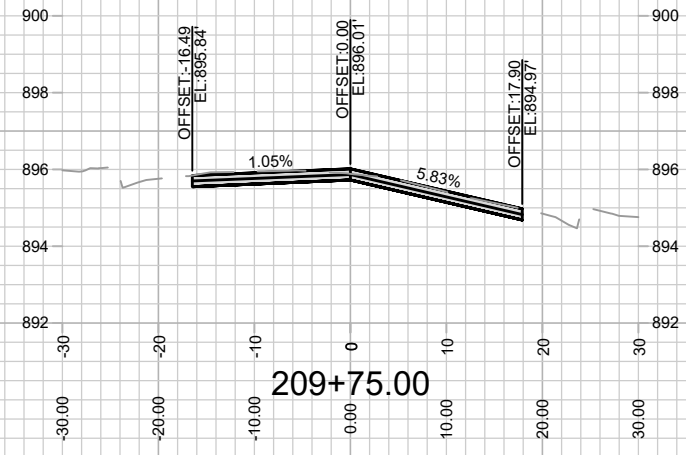
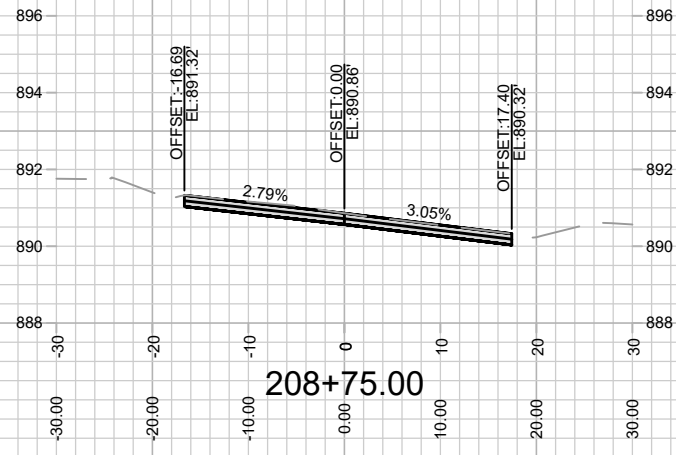
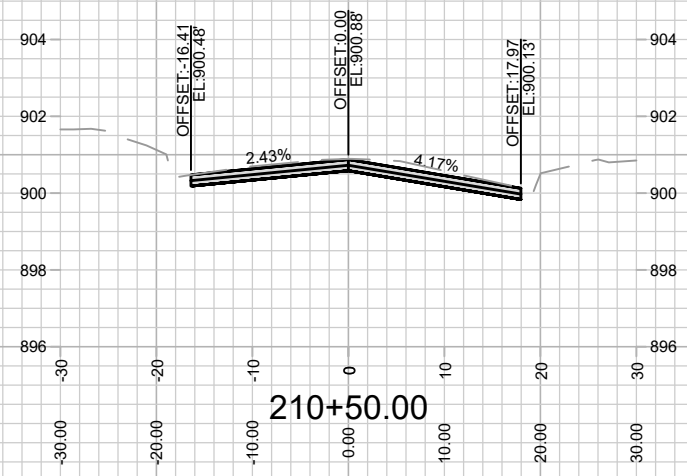
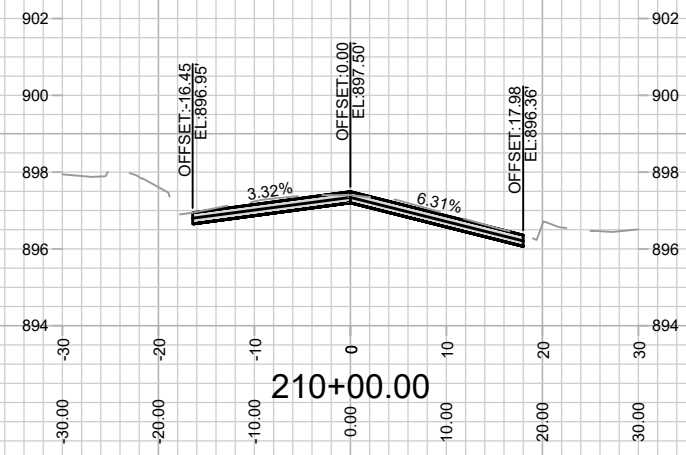
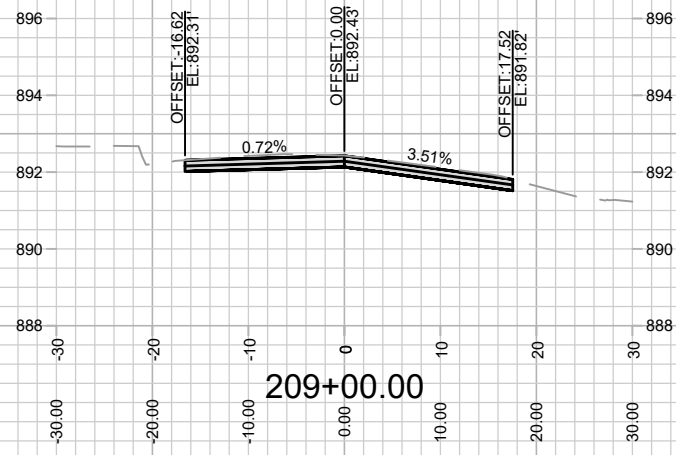




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 WEST WASHINGTON AVENUE - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
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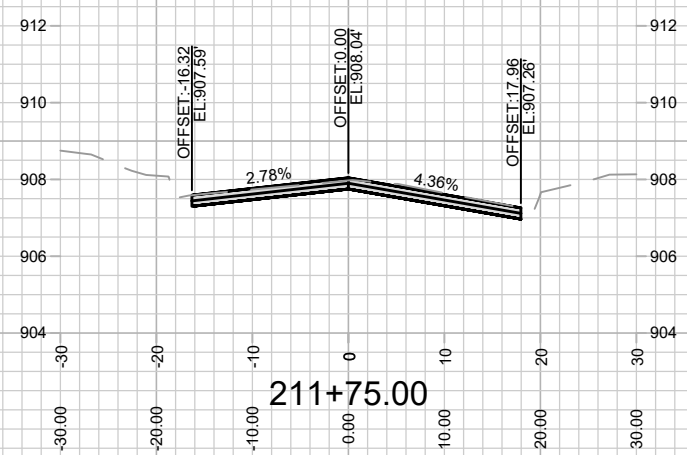
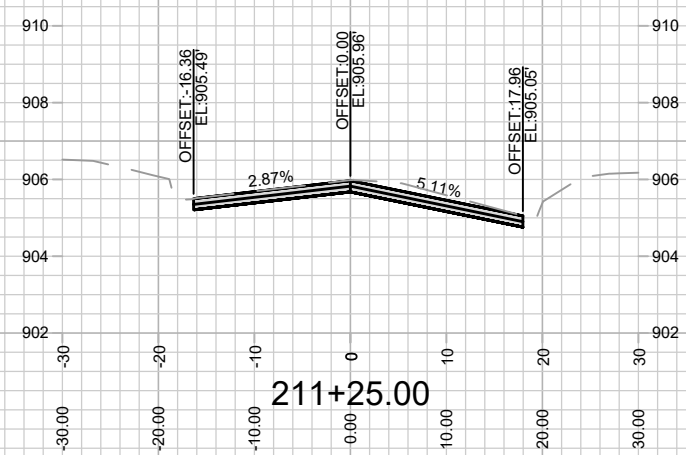
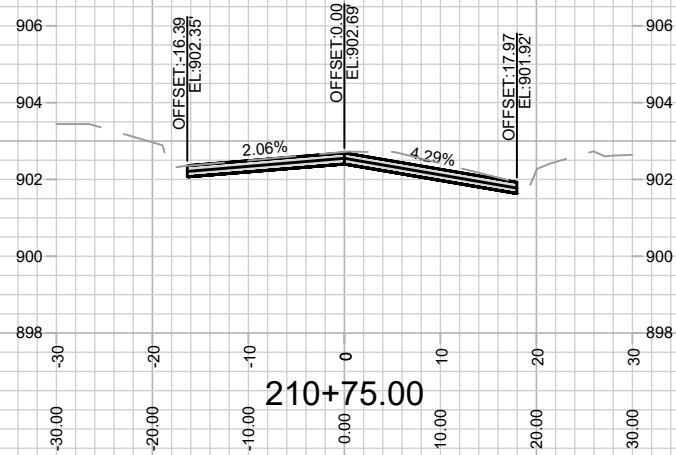
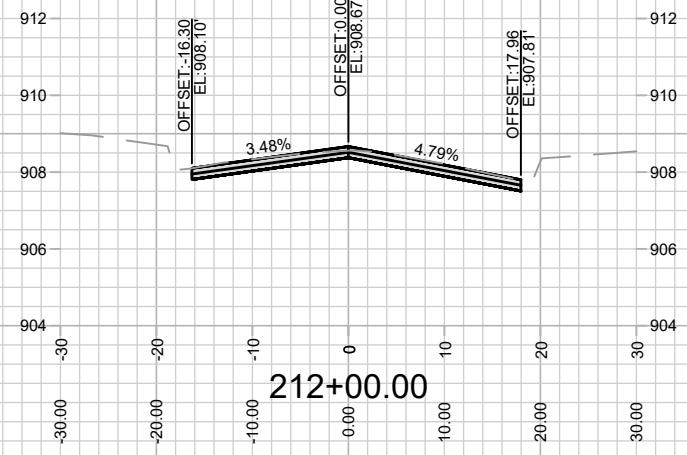
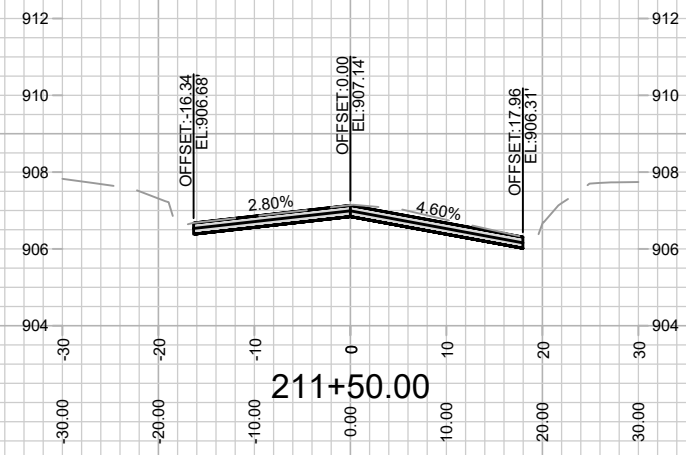
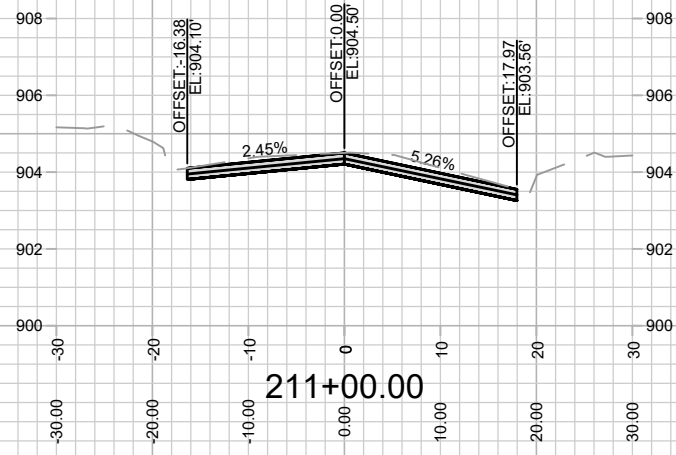




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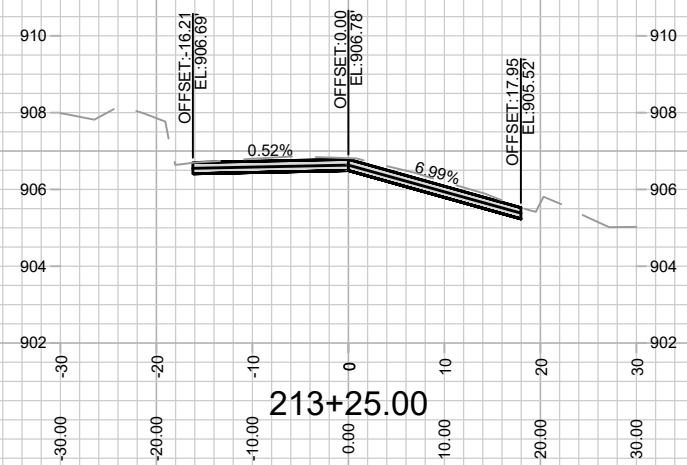
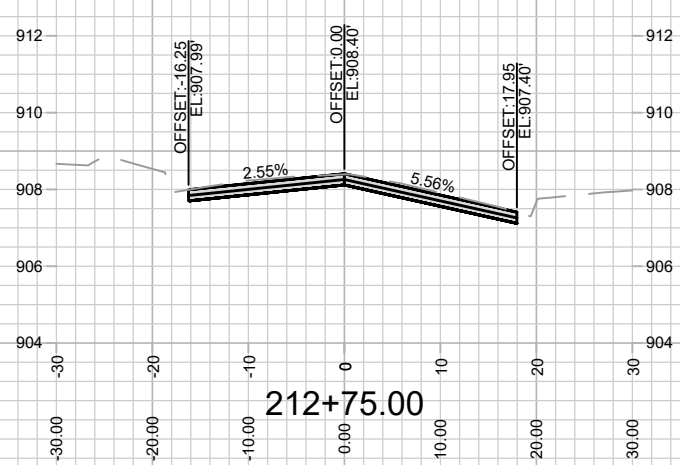
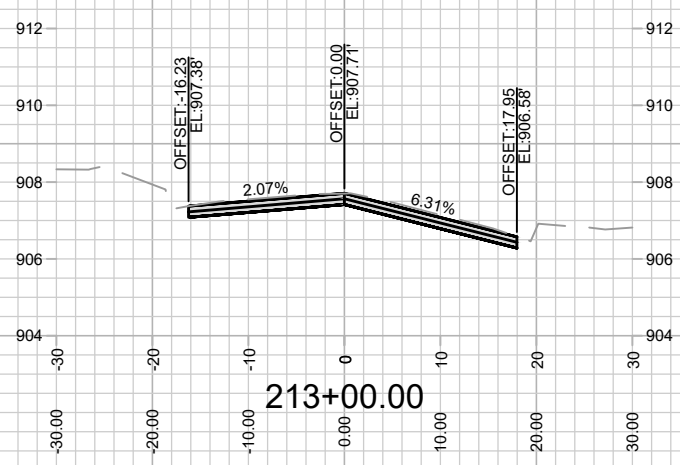
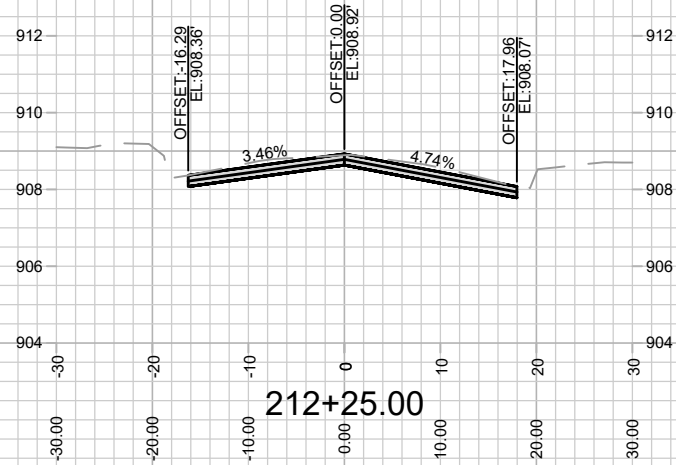
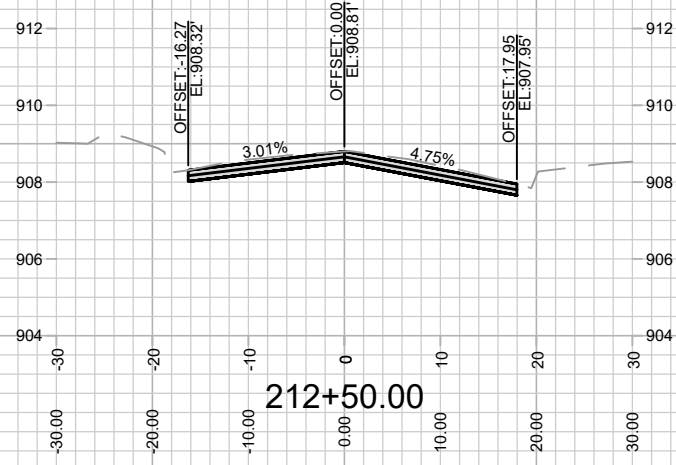
14389  
 HENRY STREET - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
 CONTRACT NO: 8746  
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 Scale: 1" = 20'  
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