



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

PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED MARCH 5TH, 2024

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Mar 14, 2024

City Engineer

Date

### 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

ADDENDUM 1: P2, X7-X10 REVISION 3: ADD 1 REV 1 RESTORED  
 REVISION 1: U1-U5, U7-U9, W1-W2, M1-M3 REVISION 4: P1, U1-U5, U8, E2-E4  
 REVISION 2: P1-P2, U1-U5, U8, X1-X6, M2 REVISION 5: U1-U5, U8-U9

CITY PROJECT NO. 14389

CONTRACT NO. 8746

### PROJECT LOCATION



#### EARTHWORK SUMMARY:

EXCAVATION CUT (MEASURED PLAN QUANTITY).....600 CY  
 ESTIMATED UNDISTRIBUTED UNDERCUT.....1000 CY  
 TOTAL UNCLASSIFIED EXCAVATION CUT.....1600 CY

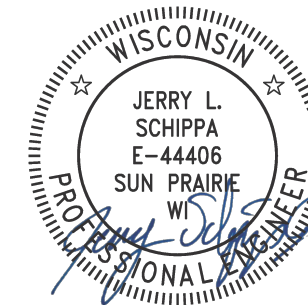
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SN —
WATER	— W —
BURIED ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	▤
COMBUSTIBLE FLUIDS	☀

#### NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

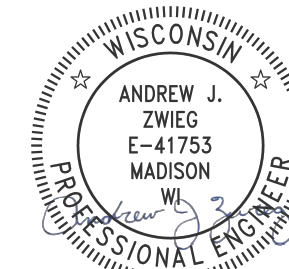
SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

LIGHTING DESIGNED BY:



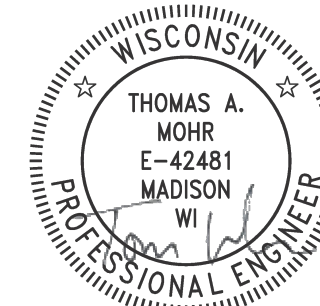
Mar 14, 2024

STREET DESIGNED BY:



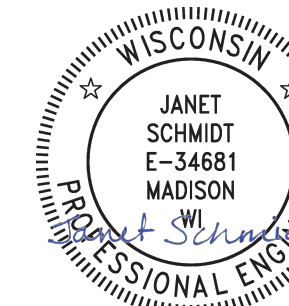
Mar 14, 2024

PAVEMENT MARKINGS DESIGNED BY:



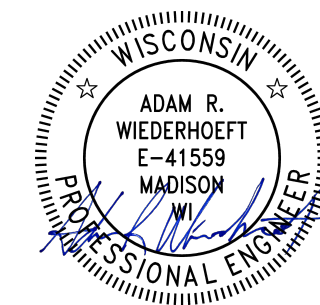
Mar 14, 2024

STORM SEWER DESIGNED BY:



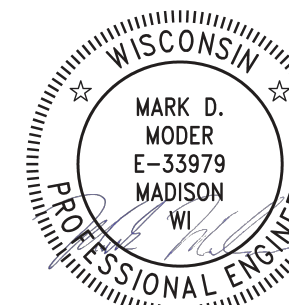
Mar 14, 2024

WATER DESIGNED BY:

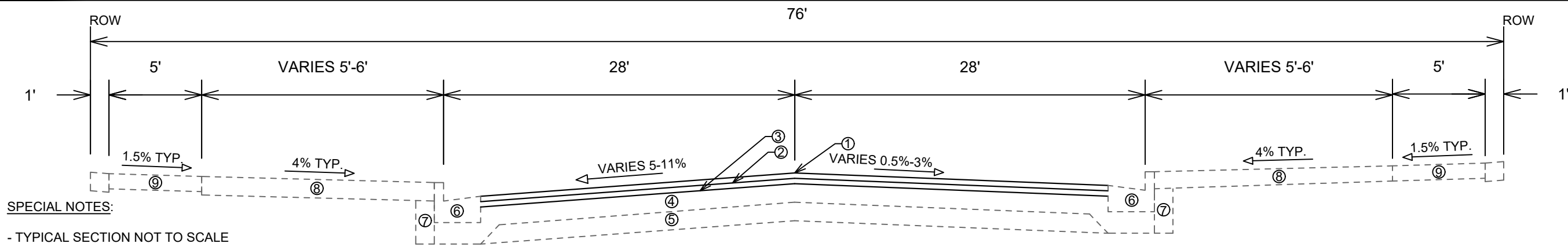


Mar 14, 2024

SANITARY SEWER DESIGNED BY:



Mar 14, 2024

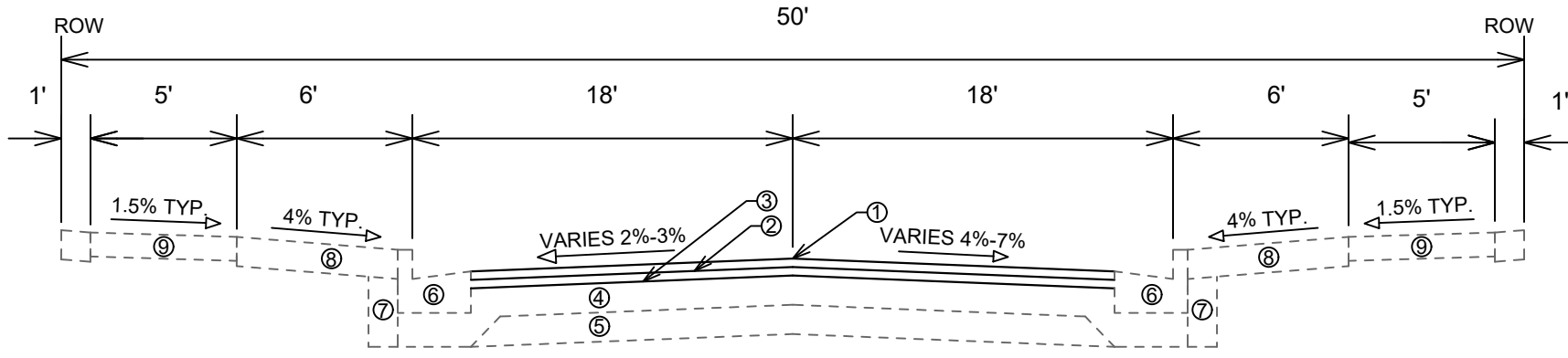


**SPECIAL NOTES:**

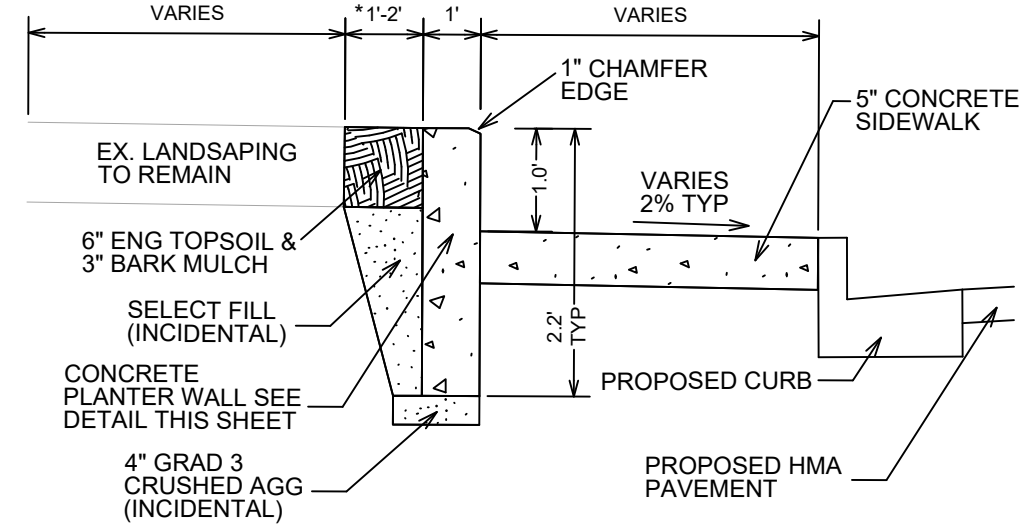
- TYPICAL SECTION NOT TO SCALE
- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS

**TYPICAL SECTION  
WEST WASHINGTON AVENUE**

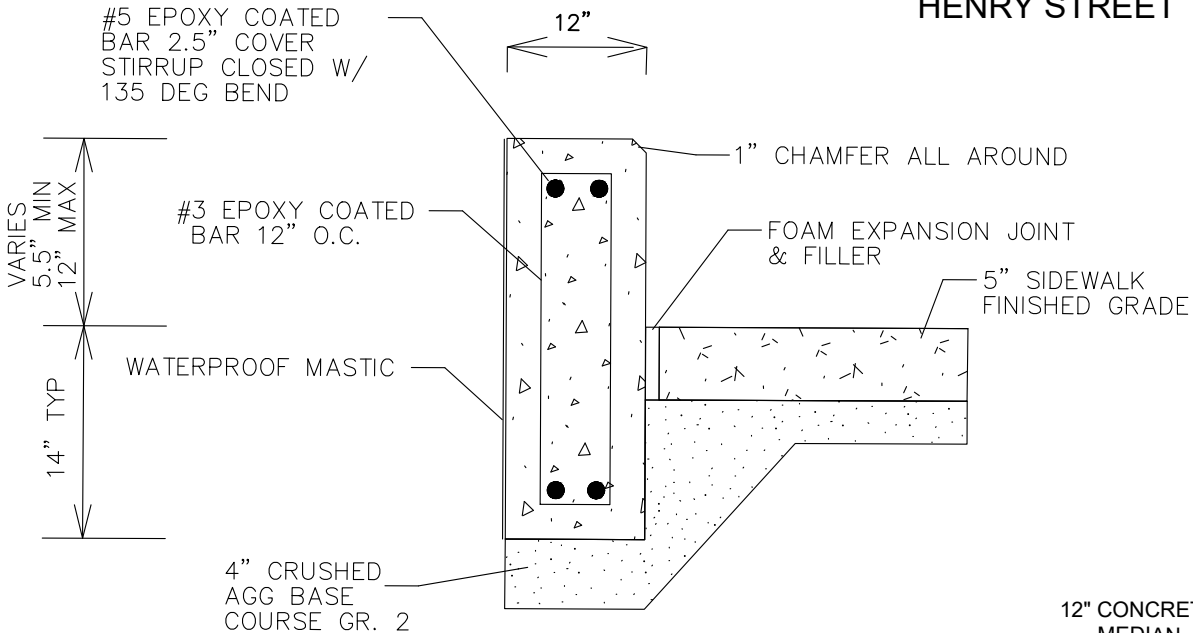
- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (UPPER LAYER, HENRY STREET)
- ③ 2" HMA PAVEMENT, TYPE 4 MT 58-28 S (UPPER LAYER, WEST WASHINGTON AVE)
- ④ 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (LOWER LAYER, HENRY STREET)
- ⑤ 2.5" HMA PAVEMENT, TYPE 3 MT 58-28 S (LOWER LAYER, 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



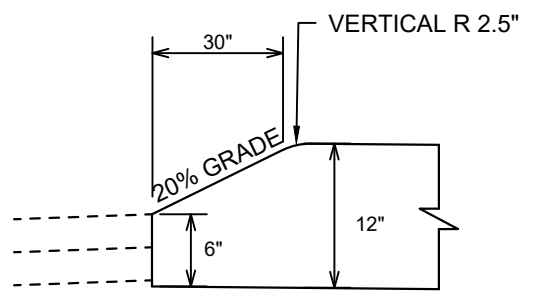
**TYPICAL SECTION  
HENRY STREET**



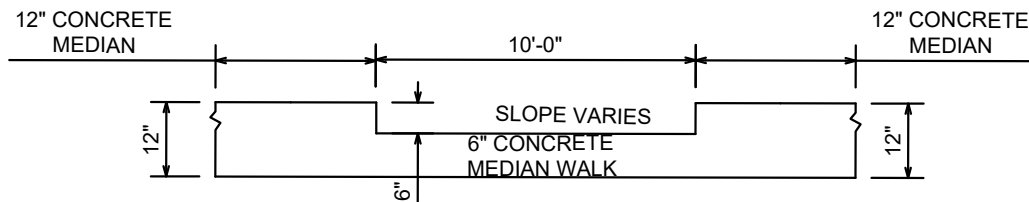
**SIDEWALK & PLANTER DETAIL  
NOT TO SCALE**



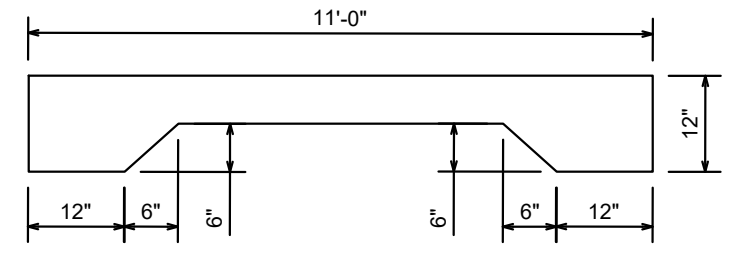
**CONCRETE PLANTER WALL DETAIL  
NOT TO SCALE**



**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**



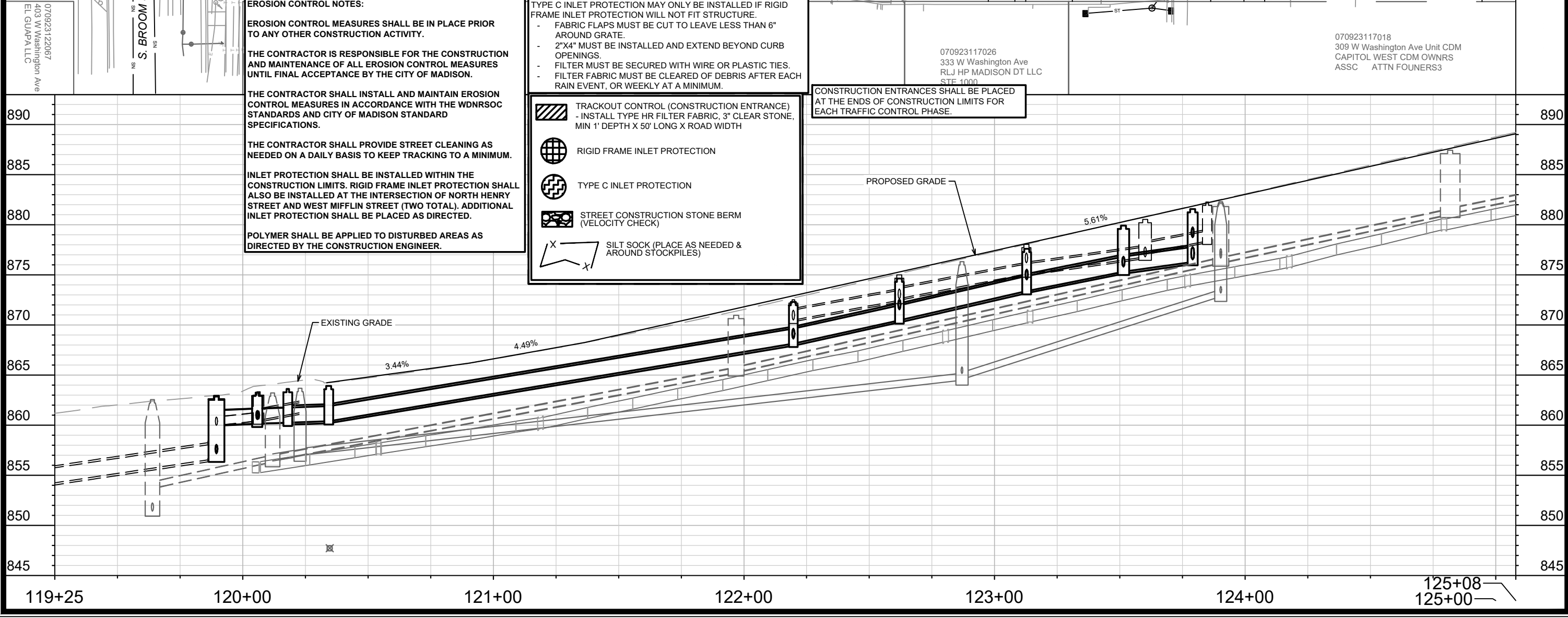
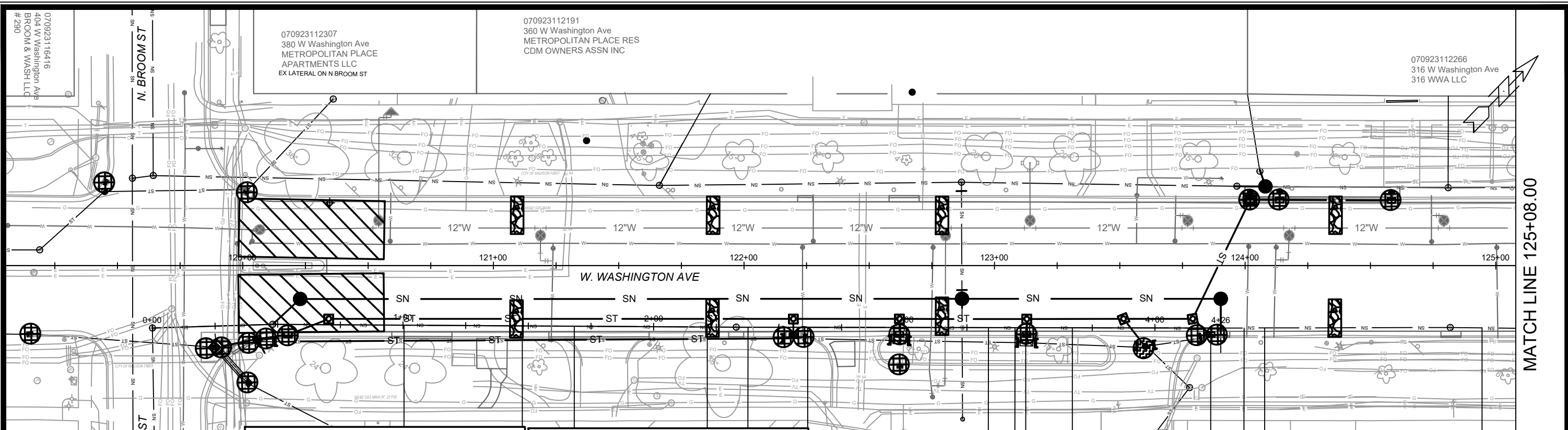
**12" MEDIAN - SECTION A-A  
SECTION VIEW ONLY WHERE MEDIAN WIDTH IS 11'  
PAY AS 12" CONCRETE MEDIAN  
NOT TO SCALE**

- NOTE:**
1. ALL EXPANSION AND CONTRACTION JOINTS TO RECEIVE FELT STRIP. ALL EXPOSED EXPANSION JOINTS TO BE CAULKED.
  2. 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.
- 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)

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

070923116416  
404 W Washington Ave  
BROOM & WASH LLC  
# 290

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

070923117026  
333 W Washington Ave  
RLJ HP MADISON DT LLC  
STE 1000

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

MATCH LINE 125+08.00

14389	14389	8746	EC-1
EROSION CONTROL PLAN - W. WASHINGTON AVE (SOUTH SIDE)		CONTRACT NO.:	
W. WASHINGTON AVENUE & HENRY STREET RESURFACING		14389	
M:\DESIGN\Projects\14389\CAD\Drawings\14389SWR-ErosionControl.dwg		Scale: 1" = 40'	
14389		EC-1	

MATCH LINE 125+08.00

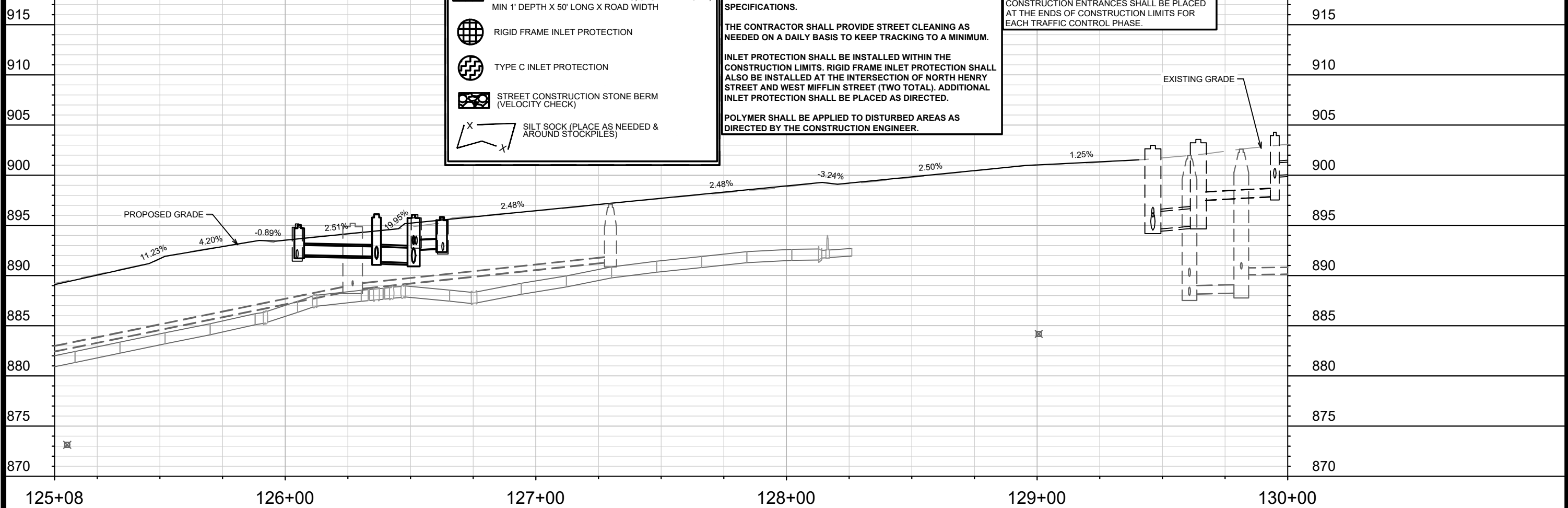
070923112018  
10 N Henry St  
FREEDOM FROM RELIGION  
FOUNDATION INC  
EX LATERAL ON N HENRY ST

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 OWNERS  
ASSC ATTN FOUNERS3



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**RIGID FRAME INLET PROTECTION**

**TYPE C INLET PROTECTION**

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

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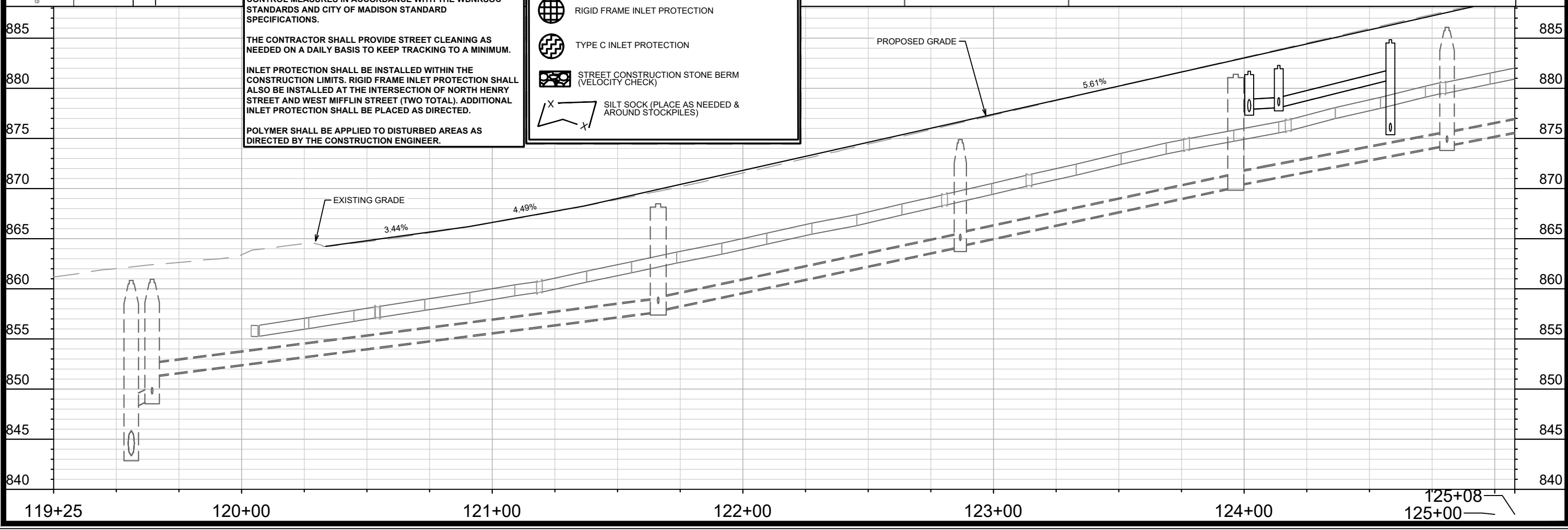
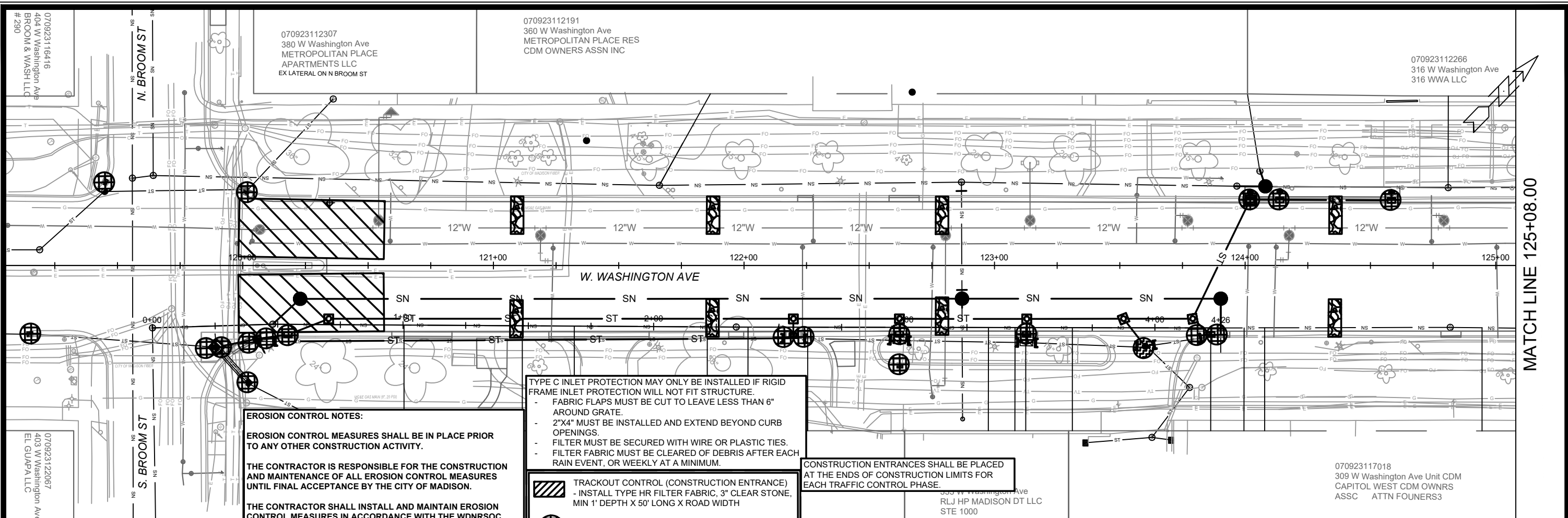
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**CONSTRUCTION ENTRANCES SHALL BE PLACED AT THE ENDS OF CONSTRUCTION LIMITS FOR EACH TRAFFIC CONTROL PHASE.**

DATE	BY
REVISION	
DESIGNED BY: EAC	DATE: 3/6/2024 2:32 PM
MARK	14389
Scale:	1" = 40'
EC-2	

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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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

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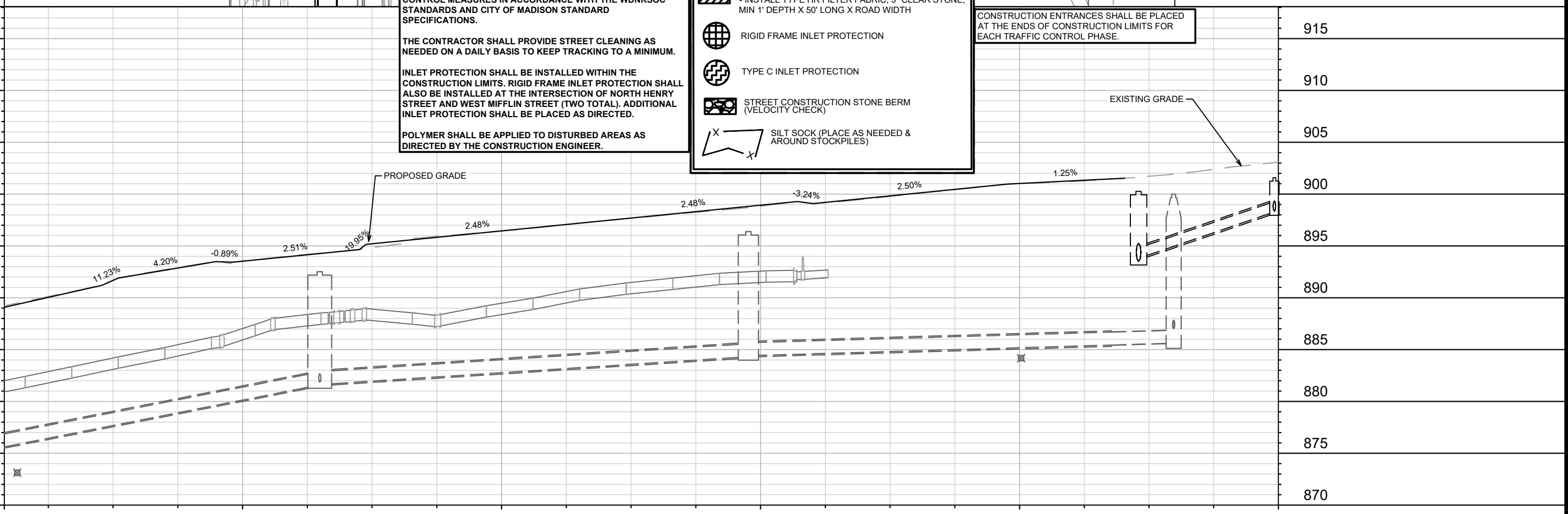
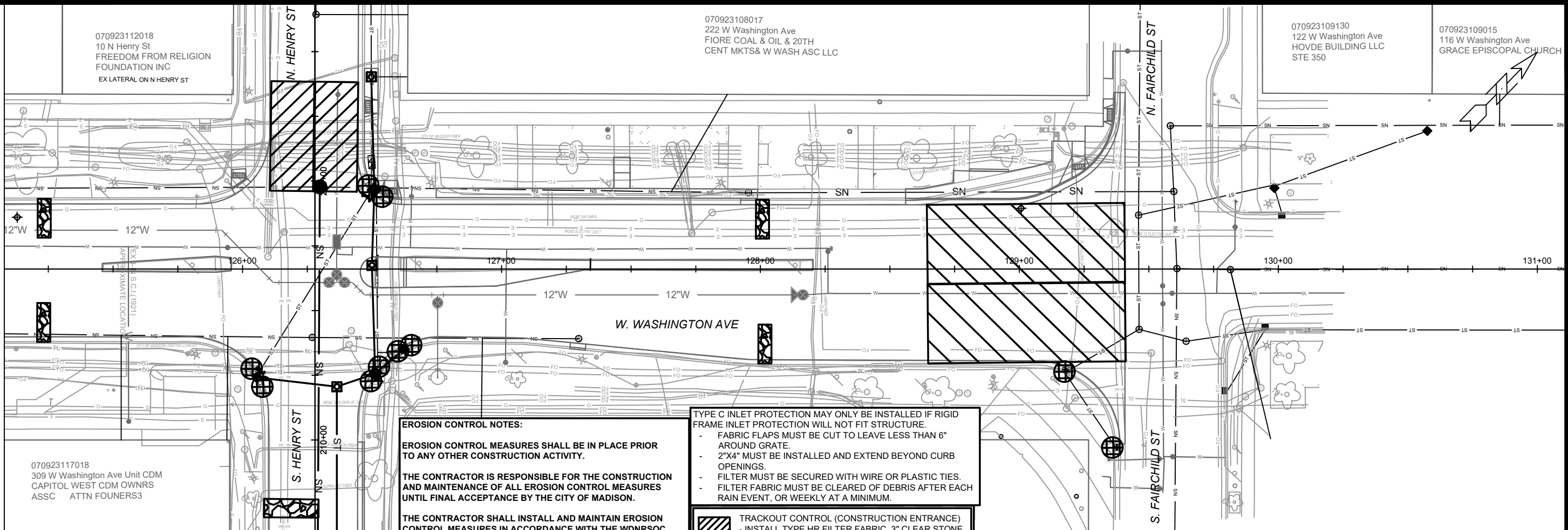
14389  
MADISON, WI  
8746  
CONTRACT NO.:  
14389

EROSION CONTROL PLAN - W. WASHINGTON AVE (NORTH SIDE)  
W. WASHINGTON AVENUE & HENRY STREET RESURFACING

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14389  
EC-3

MATCH LINE 125+08.00



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**RIGID FRAME INLET PROTECTION**

**TYPE C INLET PROTECTION**

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

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

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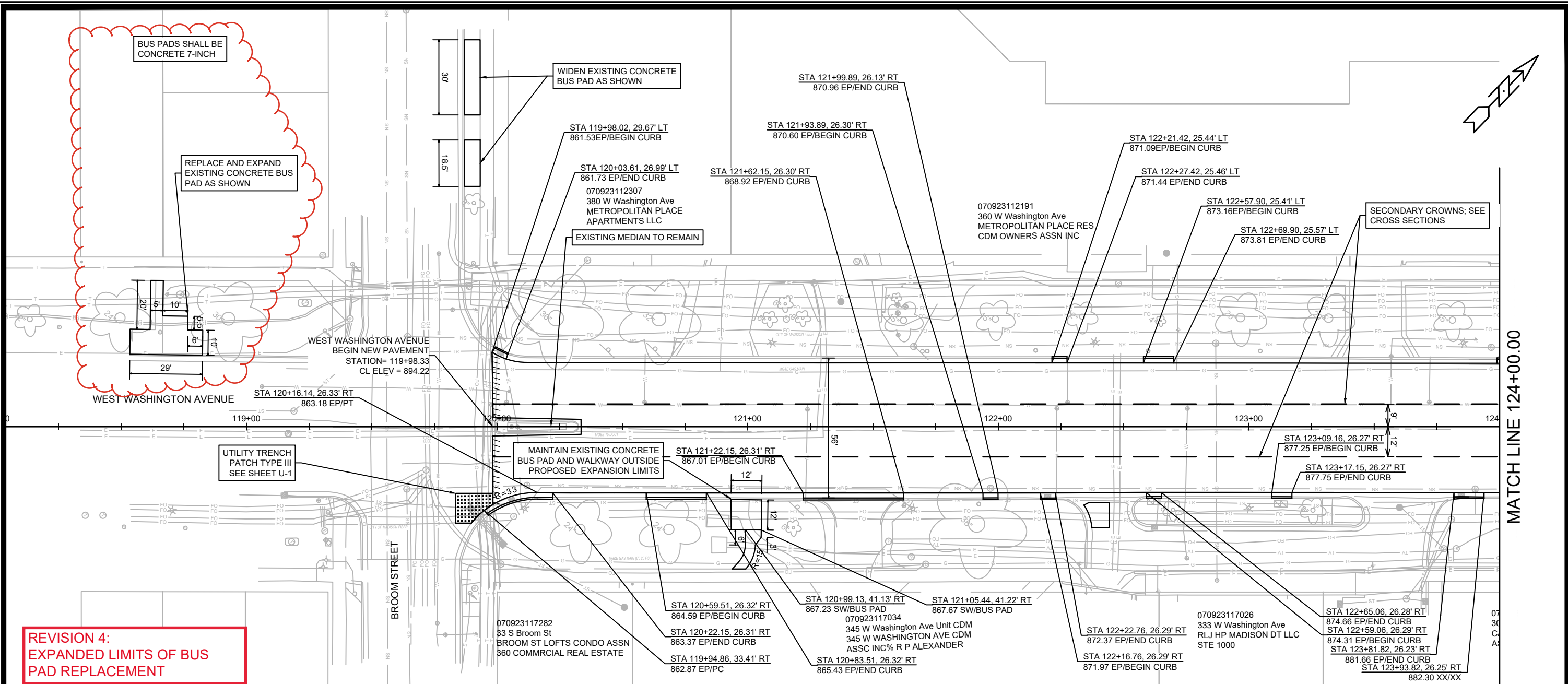
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CAPITOL WEST CDM OWNERS  
ASSC ATTN FOUNERS3

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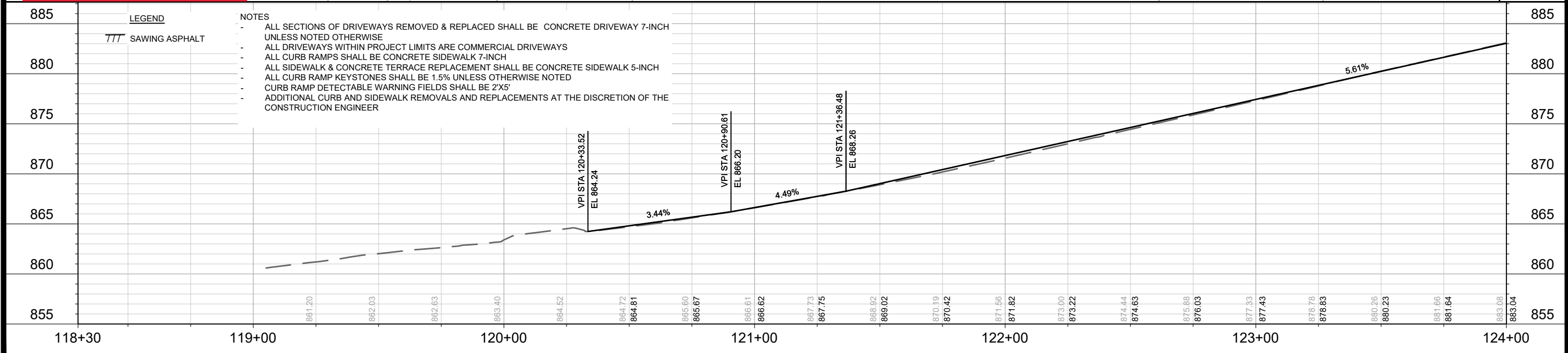
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MADISON, WI  
CONTRACT NO.: 8746  
EROSION CONTROL PLAN - W. WASHINGTON AVE (NORTH SIDE)  
W. WASHINGTON AVENUE & HENRY STREET RESURFACING  
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14389  
EC-4





**REVISION 4:  
EXPANDED LIMITS OF BUS  
PAD REPLACEMENT**



**LEGEND**  
 TTT SAWING ASPHALT

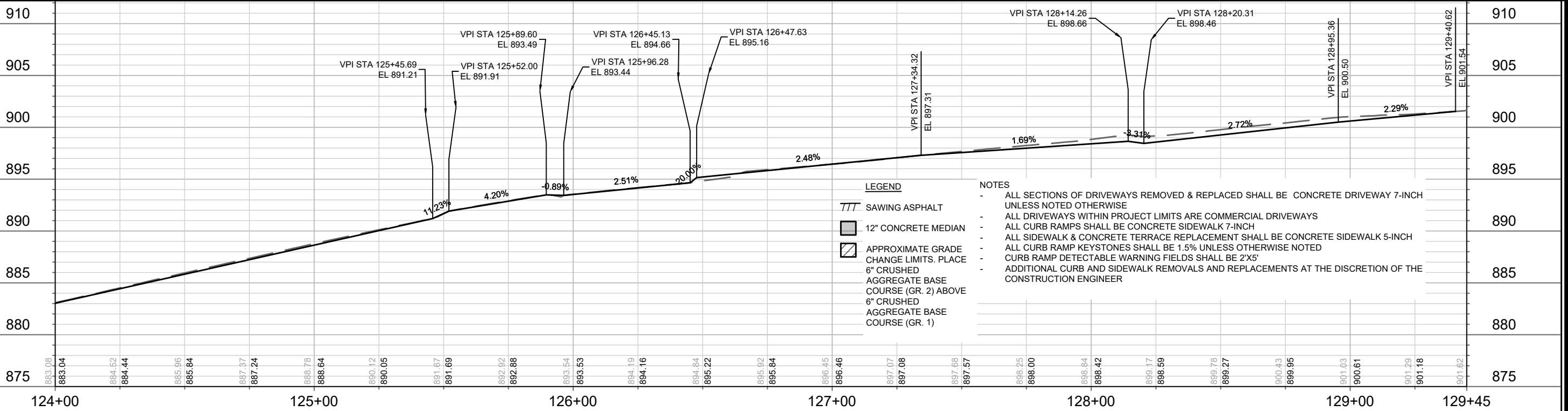
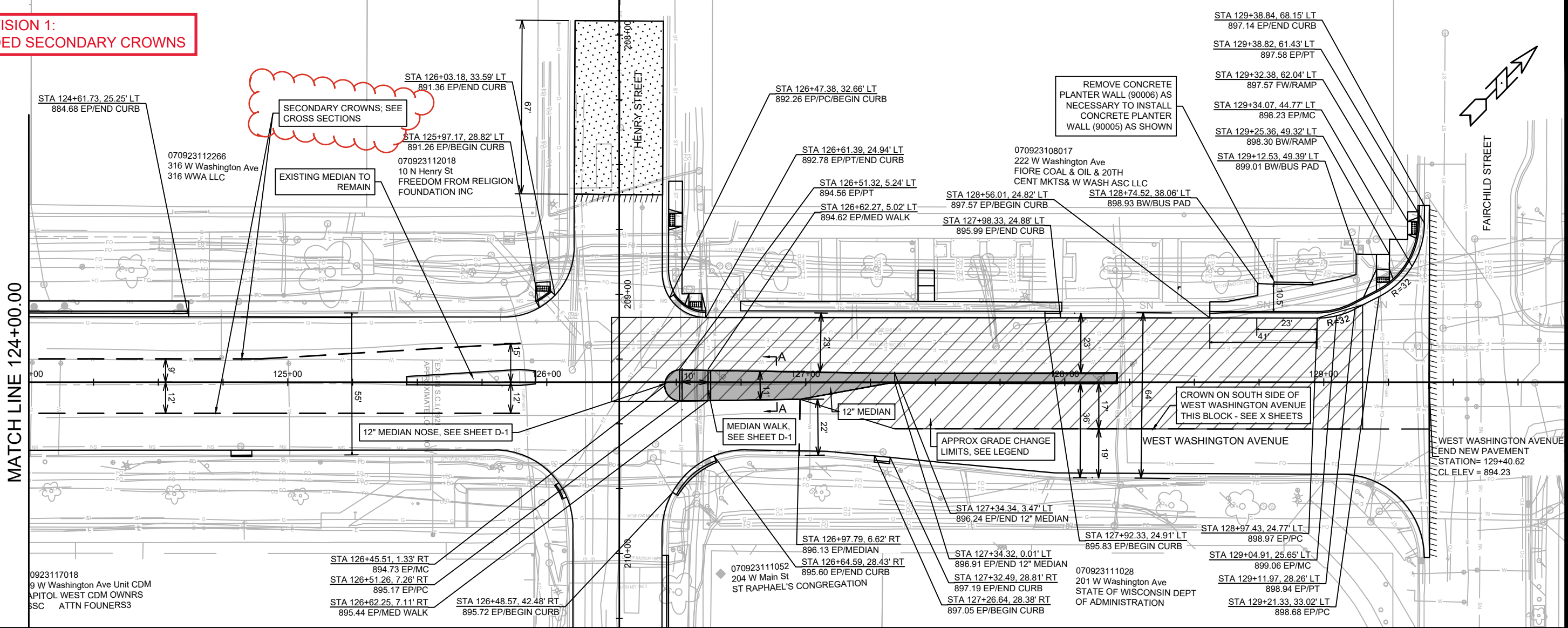
**NOTES**  
 - ALL SECTIONS OF DRIVEWAYS REMOVED & REPLACED SHALL BE CONCRETE DRIVEWAY 7-INCH UNLESS NOTED OTHERWISE  
 - ALL DRIVEWAYS WITHIN PROJECT LIMITS ARE COMMERCIAL DRIVEWAYS  
 - ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH  
 - ALL SIDEWALK & CONCRETE TERRACE REPLACEMENT SHALL BE CONCRETE 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

DATE	BY
REVISION	
MARK	
Designed By: MFG	Date: 7/26/2024 11:19 PM
14389	P-1

14389  
 MADISON, WI  
 CONTRACT NO: 8746  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 PLAN & PROFILE WEST WASHINGTON AVENUE  
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 CITY OF MADISON WISCONSIN  
 14389  
 P-1



**REVISION 1:  
ADDED SECONDARY CROWNS**



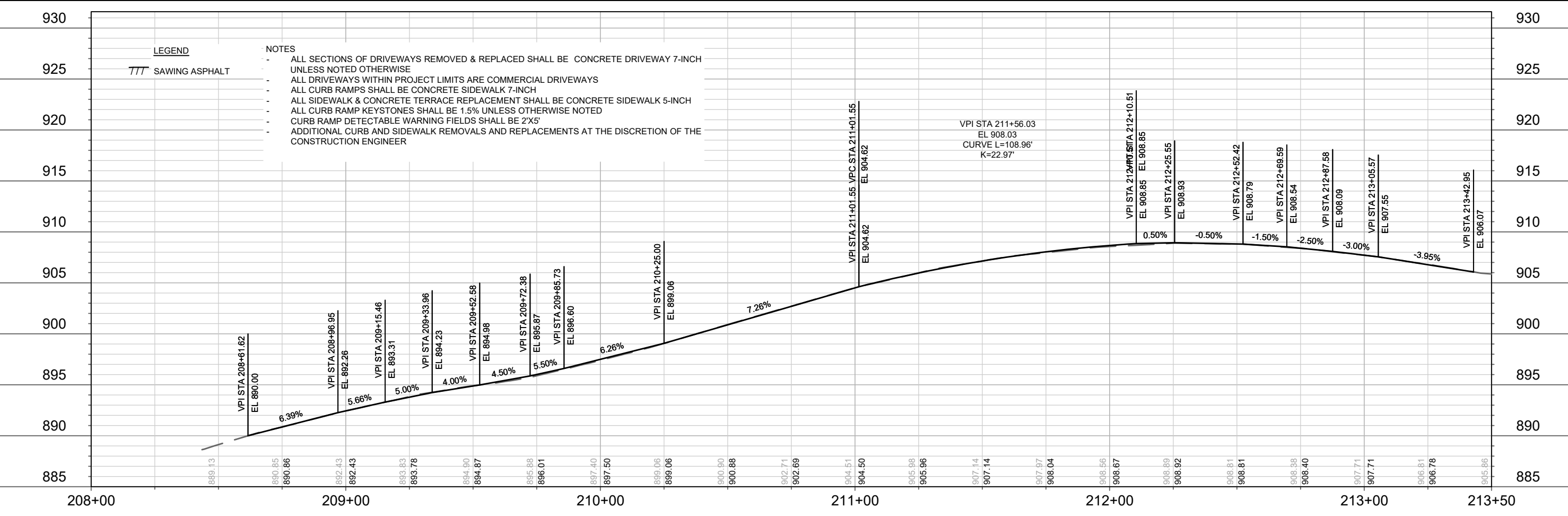
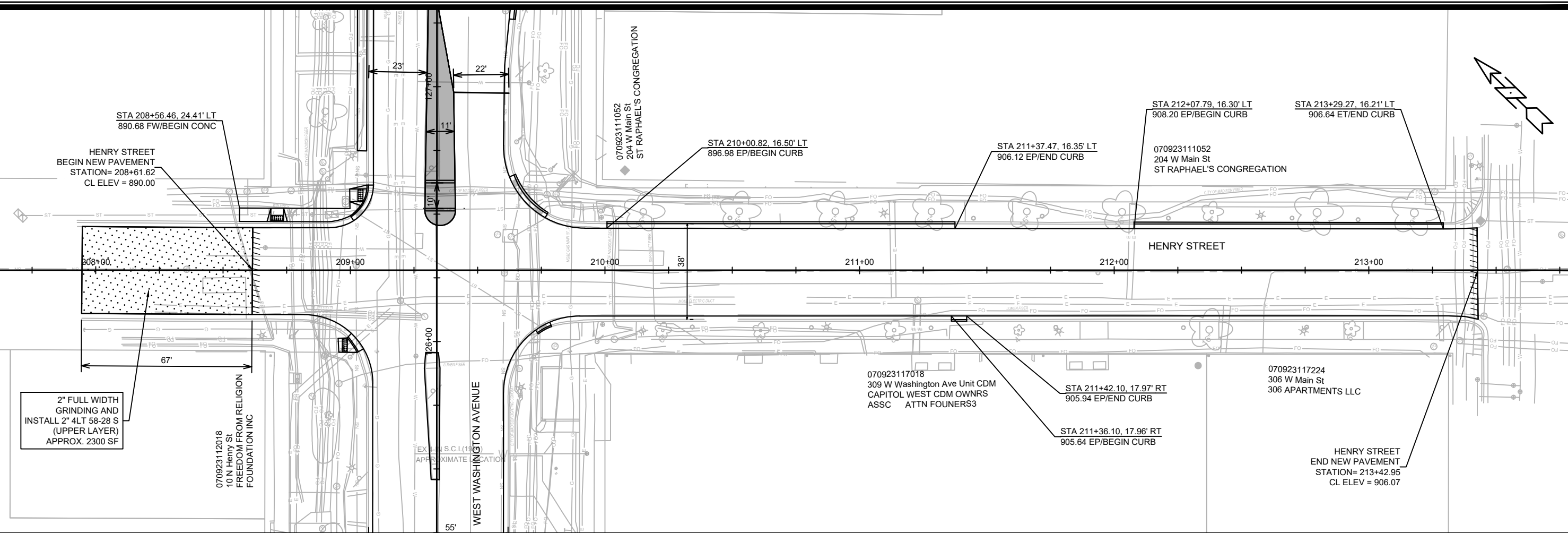
- LEGEND**
- /// SAWING ASPHALT
  - 12" CONCRETE MEDIAN
  - APPROXIMATE GRADE CHANGE LIMITS. PLACE 6" CRUSHED AGGREGATE BASE COURSE (GR. 2) ABOVE 6" CRUSHED AGGREGATE BASE COURSE (GR. 1)
- NOTES**
- ALL SECTIONS OF DRIVEWAYS REMOVED & REPLACED SHALL BE CONCRETE DRIVEWAY 7-INCH UNLESS NOTED OTHERWISE
  - 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

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REVISION	
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DESIGNED BY	MFG
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SCALE	1" = 40'
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14389  
MADISON, WI  
CONTRACT NO.: 8746

PLAN & PROFILE WEST WASHINGTON AVENUE  
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
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 MADISON, WI  
 CONTRACT NO: 8746

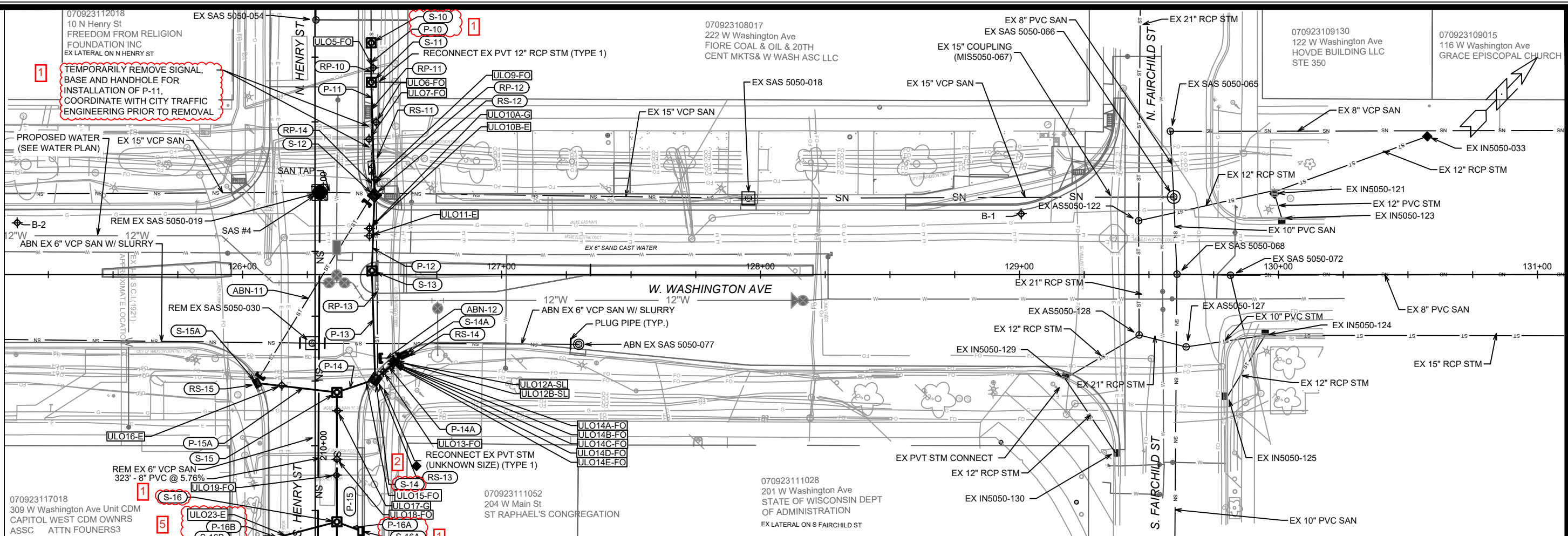
PLAN & PROFILE HENRY STREET  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING

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MATCH LINE 125+08.00

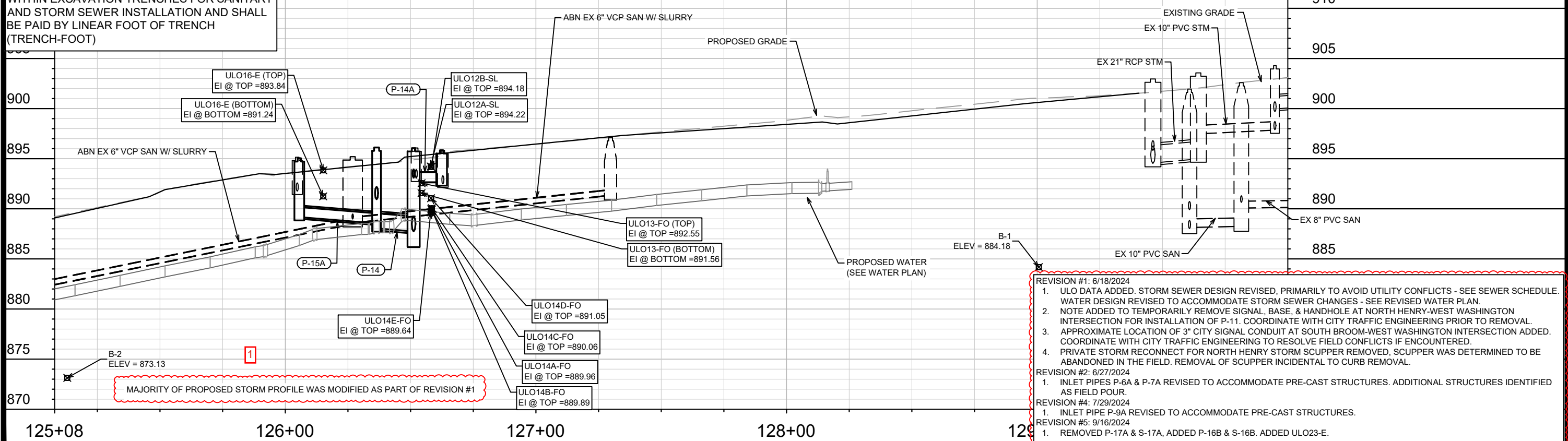


\* SEWER MAIN AND LATERALS SHALL CONFORM TO ASTM D3034 SPECIFICATION FOR SDR-26

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" 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



- REVISION #1: 6/18/2024
- ULO DATA ADDED. STORM SEWER DESIGN REVISED, PRIMARILY TO AVOID UTILITY CONFLICTS - SEE SEWER SCHEDULE. WATER DESIGN REVISED TO ACCOMMODATE STORM SEWER CHANGES - SEE REVISED WATER PLAN.
  - NOTE ADDED TO TEMPORARILY REMOVE SIGNAL, BASE, & HANDHOLE AT NORTH HENRY-WEST WASHINGTON INTERSECTION FOR INSTALLATION OF P-11. COORDINATE WITH CITY TRAFFIC ENGINEERING PRIOR TO REMOVAL.
  - APPROXIMATE LOCATION OF 3" CITY SIGNAL CONDUIT AT SOUTH BROOM-WEST WASHINGTON INTERSECTION ADDED. COORDINATE WITH CITY TRAFFIC ENGINEERING TO RESOLVE FIELD CONFLICTS IF ENCOUNTERED.
  - PRIVATE STORM RECONNECT FOR NORTH HENRY STORM SCUPPER REMOVED. SCUPPER WAS DETERMINED TO BE ABANDONED IN THE FIELD. REMOVAL OF SCUPPER INCIDENTAL TO CURB REMOVAL.
- REVISION #2: 6/27/2024
- INLET PIPES P-6A & P-7A REVISED TO ACCOMMODATE PRE-CAST STRUCTURES. ADDITIONAL STRUCTURES IDENTIFIED AS FIELD POUR.
- REVISION #4: 7/29/2024
- INLET PIPE P-9A REVISED TO ACCOMMODATE PRE-CAST STRUCTURES.
- REVISION #5: 9/16/2024
- REMOVED P-17A & S-17A, ADDED P-16B & S-16B. ADDED ULO23-E.

14389  
MADISON, WI  
CONTRACT NO.: 8746

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

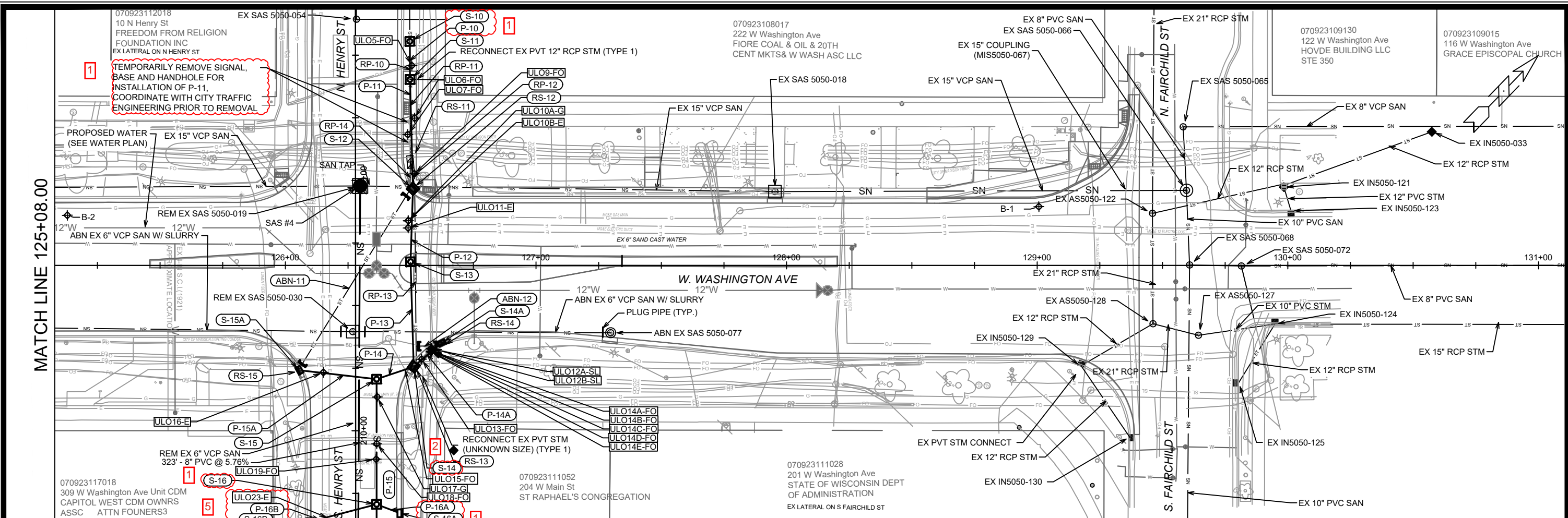
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5	P-16B & S-16B ADDITION	9/16/24	EAC	U-2
4	STORM INLET REVISIONS	7/29/24	EAC	
2	STORM INLET REVISIONS	6/27/24	EAC	
1	ULO DATA & NOTES	6/18/24	EAC	
MARK	REVISION	DATE	BY	

Scale: 1" = 40'



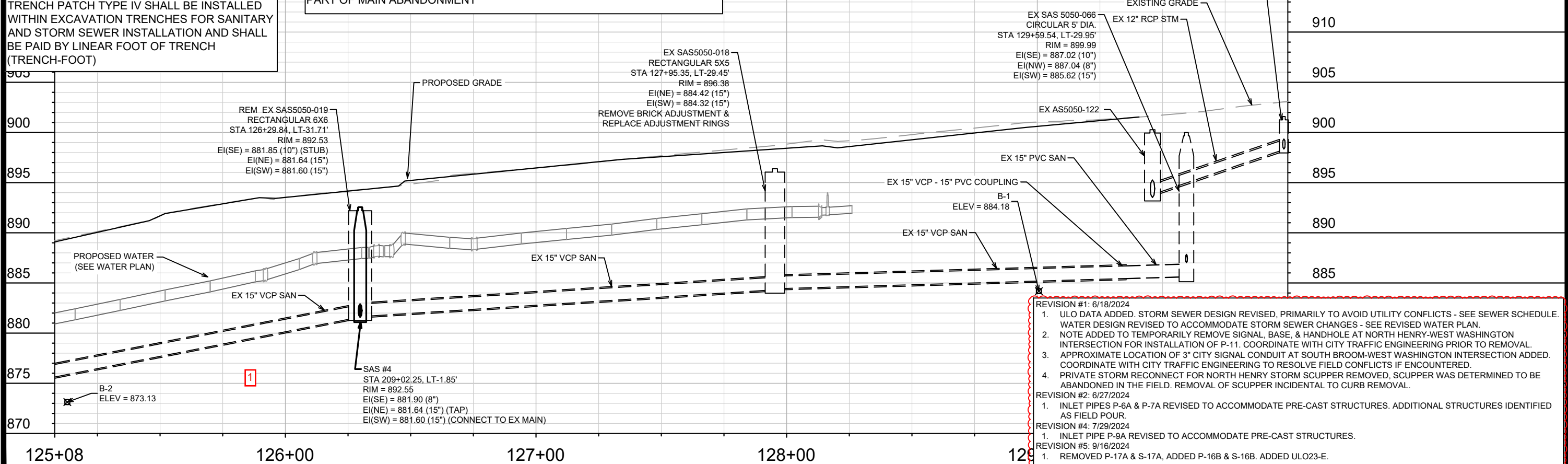


\* SEWER MAIN AND LATERALS SHALL CONFORM TO ASTM D3034 SPECIFICATION FOR SDR-26

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



- REVISION #1: 6/18/2024
- ULO DATA ADDED. STORM SEWER DESIGN REVISED, PRIMARILY TO AVOID UTILITY CONFLICTS - SEE SEWER SCHEDULE. WATER DESIGN REVISED TO ACCOMMODATE STORM SEWER CHANGES - SEE REVISED WATER PLAN.
  - NOTE ADDED TO TEMPORARILY REMOVE SIGNAL, BASE, & HANDHOLE AT NORTH HENRY-WEST WASHINGTON INTERSECTION FOR INSTALLATION OF P-11. COORDINATE WITH CITY TRAFFIC ENGINEERING PRIOR TO REMOVAL.
  - APPROXIMATE LOCATION OF 3" CITY SIGNAL CONDUIT AT SOUTH BROOM-WEST WASHINGTON INTERSECTION ADDED. COORDINATE WITH CITY TRAFFIC ENGINEERING TO RESOLVE FIELD CONFLICTS IF ENCOUNTERED.
  - PRIVATE STORM RECONNECT FOR NORTH HENRY STORM SCUPPER REMOVED. SCUPPER WAS DETERMINED TO BE ABANDONED IN THE FIELD. REMOVAL OF SCUPPER INCIDENTAL TO CURB REMOVAL.
- REVISION #2: 6/27/2024
- INLET PIPES P-6A & P-7A REVISED TO ACCOMMODATE PRE-CAST STRUCTURES. ADDITIONAL STRUCTURES IDENTIFIED AS FIELD POUR.
- REVISION #4: 7/29/2024
- INLET PIPE P-9A REVISED TO ACCOMMODATE PRE-CAST STRUCTURES.
- REVISION #5: 9/16/2024
- REMOVED P-17A & S-17A, ADDED P-16B & S-16B. ADDED ULO23-E.

070923112018 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
1	1		
<p>TEMPORARILY REMOVE SIGNAL, BASE AND HANDHOLE FOR INSTALLATION OF P-11, COORDINATE WITH CITY TRAFFIC ENGINEERING PRIOR TO REMOVAL</p>			
<p>PROPOSED WATER (SEE WATER PLAN)</p>			
<p>MATCH LINE 125+08.00</p>			
<p>14389</p>			
<p>MADISON, WI</p>			
<p>CONTRACT NO.: 8746</p>			
<p>SEWER PLAN AND PROFILE - W. WASHINGTON AVE (NORTH SIDE)</p>			
<p>W. WASHINGTON AVENUE &amp; HENRY STREET RESURFACING</p>			
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<p>U-4</p>			



# 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

REVISION 1 - 6/18/2024 EAC

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+23.72	RT-14.66	8" WATER SERVICE, TOP @ 861.93'	- NO CONFLICT BUT USE CAUTION

# STORM SEWER SCHEDULE

- REVISION 1 - 6/18/2024 EAC
- + REVISION 2 - 6/27/2024 EAC
- X REVISION 4 - 7/29/2024 EAC
- # REVISION 5 - 9/16/2024 EAC

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	<b>859.73</b>	<b>3.53</b>	FP; W/R-3067-7004-V; [2]
● S-3	120+18.01	RT-27.68	H-INLET	863.63	<b>859.87</b>	<b>3.76</b>	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	<b>871.03</b>	<b>3.76</b>	FP; 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	<b>873.95</b>	<b>3.91</b>	FP; W/R-3067-7004-V; [5]
●+ S-8	123+51.42	RT-21.25	3'X3' STORM SAS	879.93	<b>874.86</b>	<b>5.07</b>	FP; W/R-1550-0054
● S-9	123+79.03	RT-21.24	3'X3' STORM SAS	881.57	<b>875.14</b>	<b>6.43</b>	W/R-1550-0054
X S-9A	123+86.24	RT-27.54	H INLET	882.25	<b>878.10</b>	<b>4.15</b>	W/R-3067-7004-V
● S-9B	124+02.01	LT-26.25	3'X3' STORM SAS	881.70	<b>876.17</b>	<b>5.53</b>	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-10	<b>208+44.50</b>	<b>LT-21.70</b>	<b>3'X3' STORM SAS</b>	<b>889.64</b>	<b>885.18</b>	<b>4.46</b>	<b>W/R-1550-0054; [13]</b>
● S-11	208+59.72	LT-21.75	3'X3' STORM SAS	890.81	<b>885.33</b>	<b>5.48</b>	W/R-1550-0054; [9]
● S-12	209+03.38	LT-22.92	3'X3' STORM SAS	892.63	<b>885.77</b>	<b>6.86</b>	FP; W/R-3067-7004-V
● S-13	209+32.55	LT-21.97	3'X3' STORM SAS	<b>895.03</b>	<b>886.06</b>	<b>8.97</b>	W/R-1550-0054; [10]
●+ S-14	209+74.41	LT-23.19	3'X3' STORM SAS	896.06	<b>887.74</b>	<b>8.32</b>	FP; W/R-3067-7004-V; [11]
● S-14A	209+64.93	LT-34.35	H INLET	895.85	<b>892.65</b>	<b>3.20</b>	W/R-3067-7004-V
● S-15	209+79.42	LT-8.40	3'X3' STORM SAS	896.12	<b>888.05</b>	<b>8.07</b>	W/R-1550-0054
● S-15A	209+75.84	RT-22.43	H INLET	895.05	<b>889.17</b>	<b>5.88</b>	W/R-3067-7004-V
● S-16	<b>210+29.40</b>	<b>LT-8.39</b>	<b>3'X3' STORM SAS</b>	<b>899.16</b>	<b>892.15</b>	<b>7.01</b>	W/R-1550-0054
● S-16A	<b>210+32.98</b>	<b>LT-17.74</b>	<b>H INLET</b>	<b>899.61</b>	<b>895.80</b>	<b>3.81</b>	<b>W/R-3067-7004-V; [12]</b>
# S-16B	<b>210+36.46</b>	<b>RT-18.76</b>	<b>H-INLET</b>	<b>899.51</b>	<b>892.29</b>	<b>7.22</b>	<b>W/R-3067-7004-V</b>
● S-17	211+32.27	LT-8.36	3'X3' STORM SAS	906.09	<b>899.00</b>	<b>7.09</b>	W/R-1550-0054
●# S-17A	211+39.35	RT-18.87	H-INLET	906.22	<b>900.50</b>	<b>5.72</b>	W/R-3067-7004-V
● S-17B	<b>211+35.94</b>	<b>LT-17.70</b>	<b>H INLET</b>	<b>906.43</b>	<b>903.18</b>	<b>3.25</b>	<b>W/R-3067-7004-V</b>

## 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	<b>859.56</b>	<b>859.73</b>	17	13	1.31%	18"	TYPE 2	NCM
● P-2	S-2	S-3	<b>859.73</b>	<b>859.87</b>	12	9	<b>1.56%</b>	18"	TYPE 2	
● P-3	S-3	S-4	<b>859.87</b>	<b>860.40</b>	18	14	<b>3.79%</b>	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	<b>870.97</b>	<b>871.03</b>	6	4	<b>1.50%</b>	12"	RCP	NCM
● P-7	S-7	S-8	873.39	<b>874.86</b>	39	36	<b>4.08%</b>	18"	RCP	
+ P-7A	S-7	S-7A	<b>873.89</b>	<b>873.95</b>	6	4	1.50%	12"	RCP	NCM
● P-8	S-8	S-9	<b>874.86</b>	<b>875.14</b>	28	25	<b>1.12%</b>	18"	RCP	
● P-8A	S-8	RS-6	<b>876.65</b>	876.79	14	12	<b>1.17%</b>	12"	RCP	NCM; [6]
X P-9A	S-9	S-9A	<b>878.00</b>	<b>878.10</b>	10	6	1.67%	12"	RCP	NCM
● P-9B	S-9	S-9B	<b>875.64</b>	<b>876.17</b>	53	49	<b>1.08%</b>	12"	RCP	
● P-9C	S-9B	S-9C	877.91	878.09	12	9	2.00%	12"	TYPE 2	NCM
● P-9D	S-9C	S-9D	<b>878.09</b>	<b>878.76</b>	45	42	<b>1.60%</b>	12"	TYPE 2	NCM (WITH PVT CONNECT)
<b>HENRY STREET (NORTH &amp; SOUTH)</b>										
● P-10	S-10	S-11	<b>885.18</b>	<b>885.33</b>	15	12	<b>1.25%</b>	18"	TYPE 2	
● P-11	S-11	S-12	<b>885.33</b>	<b>885.77</b>	44	40	<b>1.10%</b>	18"	TYPE 2	
● P-12	S-12	S-13	<b>885.77</b>	<b>886.06</b>	29	26	<b>1.12%</b>	18"	RCP	
● P-13	S-13	S-14	<b>886.06</b>	<b>887.74</b>	42	39	<b>4.31%</b>	18"	RCP	
● P-14	S-14	S-15	<b>887.74</b>	<b>888.05</b>	16	12	<b>2.58%</b>	18"	RCP	
● P-14A	S-14	S-14A	<b>892.65</b>	<b>892.65</b>	15	12	<b>0.00%</b>	12"	TYPE 2	NCM
● P-15	S-15	S-16	<b>890.95</b>	<b>892.15</b>	50	47	<b>2.55%</b>	15"	RCP	NCM
● P-15A	S-15	S-15A	<b>888.55</b>	<b>889.17</b>	31	28	<b>2.21%</b>	12"	RCP	
● P-16	S-16	S-17	<b>895.45</b>	<b>899.00</b>	103	100	<b>3.55%</b>	15"	RCP	NCM
● P-16A	S-16	S-16A	<b>895.70</b>	<b>895.80</b>	10	7	<b>1.43%</b>	12"	RCP	NCM
# P-16B	S-16	S-16B	<b>892.15</b>	<b>892.29</b>	28	25	<b>0.56%</b>	12"	RCP	NCM
●# P-17A	S-17	S-17A	<b>900.22</b>	<b>900.50</b>	28	26	<b>1.08%</b>	12"	RCP	NCM
● P-17B	S-17	S-17B	<b>903.08</b>	<b>903.18</b>	10	7	<b>1.43%</b>	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 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)
- [13] CONNECT TO EX 15" VCP MAIN, EI(NW) = 885.18

### 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 ECEVALU@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

● REVISION 1 - 6/18/2024 EAC  
# REVISION 5 - 9/16/2024 EAC

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

## 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

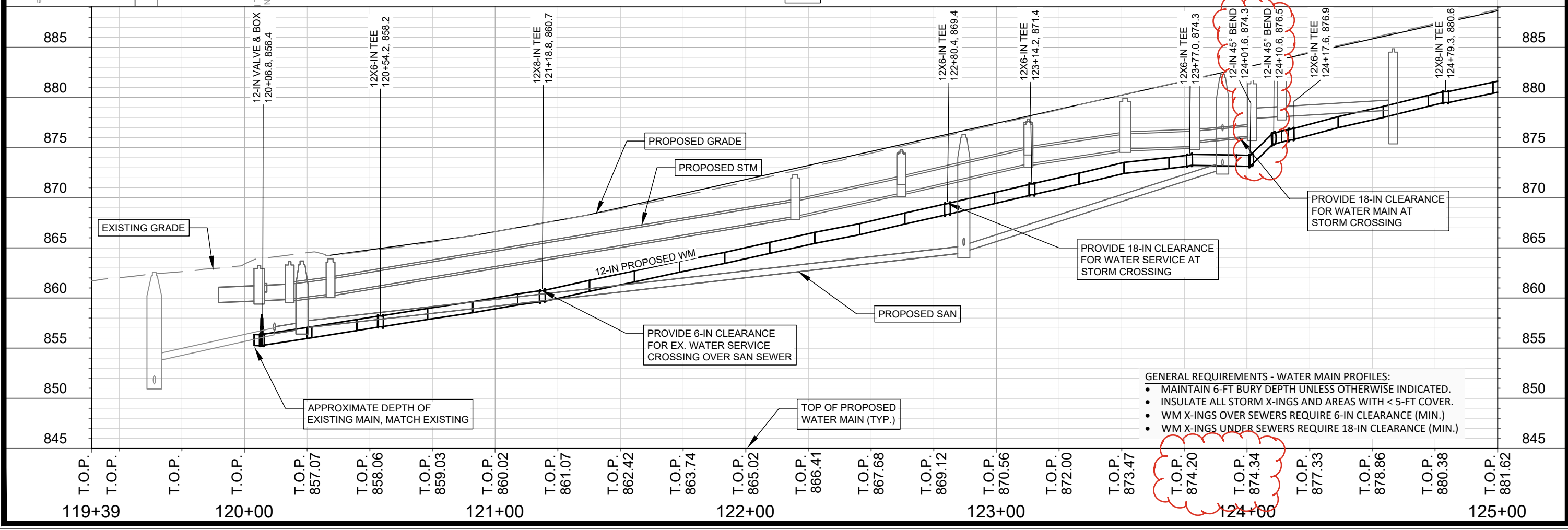
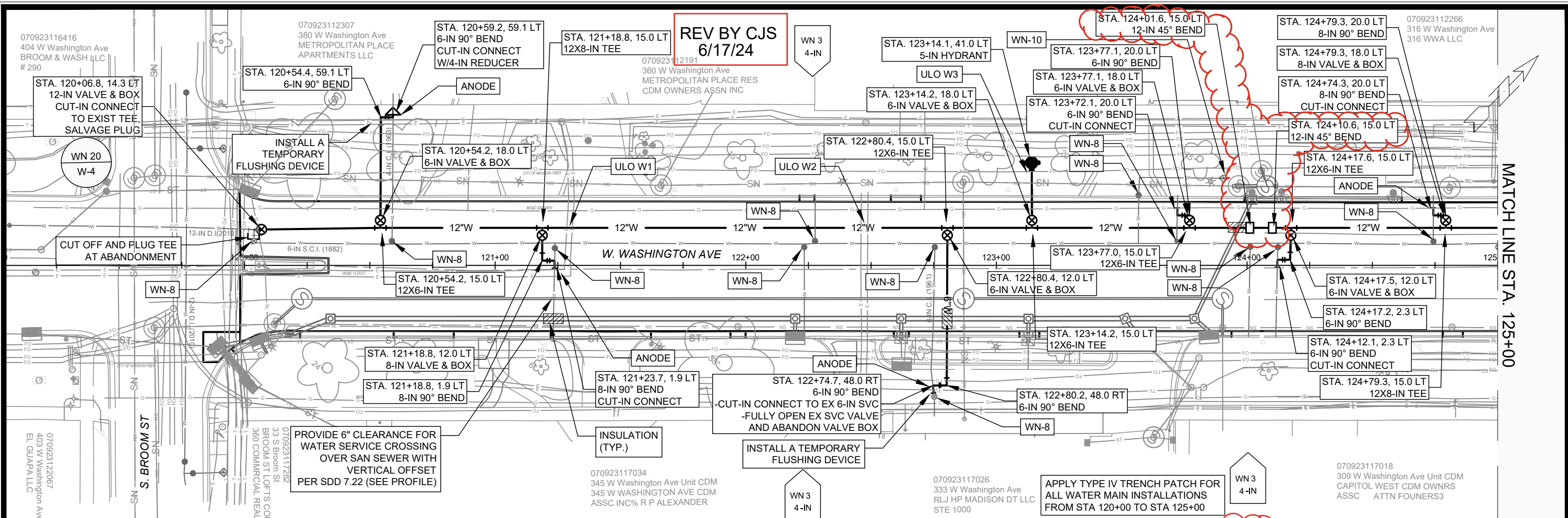
- [1] MATCH TOC TO REPLACEMENT CURB
- [2] APPROXIMATE STRUCTURE DEPTH - NO RECORDS OR SURVEY DATA AVAILABLE
- [3] STRUCTURE LOCATED IN PARKING ISLAND FOR 333 WEST WASHINGTON AVE. - COORDINATE WITH PROPERTY BEFORE REMOVAL
- [4] CONNECT P-8A TO EX PVT 12" RCP STM WITH CONCRETE COLLAR
- [5] ABANDON PIPE 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
- [8] EXISTING 10" VCP STORM POURED INTO ELECTRIC SLURRY DUCT PACKAGE AT ULO11-E LOCATION, ABANDON SEGMENT OF PIPE POURED INTO DUCT PACKAGE

## 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-10	S-10	S-11	16	N	--	--	--	15"	VCP	
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	[8]
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>				
● ULO1A-FO	119+94.87	RT-30.66	6" PVC FIBER OPTIC, TOP @ 856.15'	- NO CONFLICT
● ULO1B-FO	119+95.27	RT-30.68	6" PVC FIBER OPTIC, TOP @ 856.08'	- NO CONFLICT
● ULO1C-FO	119+95.74	RT-30.75	6" PVC FIBER OPTIC, TOP @ 856.05'	- NO CONFLICT
● ULO1D-FO	119+96.33	RT-30.77	6" PVC FIBER OPTIC, TOP @ 856.09'	- NO CONFLICT
● ULO1E-FO	119+97.00	RT-30.35	6" PVC FIBER OPTIC, TOP @ 856.07'	- NO CONFLICT
● ULO1F-FO	119+99.55	RT-29.57	1" PLASTIC FIBER OPTIC, TOP @ 859.14'	- CONFLICT, STORM DESIGN REVISED TO AVOID
● ULO2-W	121+24.45	RT-21.89	8" WATER SERVICE, TOP @ 861.05'	- NO CONFLICT
● ULO3-E	122+47.40	RT-21.56	ELECTRIC CONCRETE DUCT PACK, TOP @ 868.24'	(BELOW STORM) - NO CONFLICT
● ULO4-G	123+99.62	LT-22.59	8" GAS, TOP @ 878.54'	- CONFLICT, STORM DESIGN REVISED TO AVOID
● ULO30A-SL	120+08.95	RT-31.41	3" CITY T.E. SIGNAL, TOP @ 862.16'	- CONFLICT, STORM DESIGN REVISED TO AVOID
● ULO30B-SL	120+09.27	RT-31.63	3" CITY T.E. SIGNAL, TOP @ 862.05'	- CONFLICT, STORM DESIGN REVISED TO AVOID
<b>HENRY STREET (NORTH &amp; SOUTH)</b>				
● ULO5-FO	208+54.18	LT-22.48	2" FIBER OPTIC, TOP @ 889.12'	- NO CONFLICT
● ULO6-FO	208+75.16	LT-23.59	2" FIBER OPTIC, TOP @ 890.01'	- NO CONFLICT
● ULO7-FO	208+81.72	LT-20.86	2X2 2" FIBER OPTIC (SIDE BY SIDE), TOP @ 880.49'	- NO CONFLICT
● ULO8-FO	208+88.08	LT-21.14	NO UTILITY FOUND DURING INVESTIGATION - USE CAUTION	
● ULO9-FO	208+97.38	LT-23.48	2X2 2" FIBER OPTIC (SIDE BY SIDE), TOP @ 888.43'	- POSSIBLE CONFLICT, STORM DESIGN REVISED TO AVOID
● ULO10A-G	209+16.15	LT-21.05	8" GAS, TOP @ 889.05', POSSIBLE CONFLICT, STORM DESIGN REVISED TO AVOID	
● ULO10B-E	209+16.15	LT-21.05	ELECTRIC CONCRETE DUCT PACK, TOP @ 891.60', BOTTOM @ 890.84'	- CONFLICT, STORM DESIGN REVISED TO AVOID
● ULO11-E	209+19.02	LT-20.98	ELECTRIC SLURRY DUCT PACK, TOP @ 890.87', BOTTOM @ 889.35'	- CONFLICT, STORM DESIGN REVISED TO AVOID
● ULO12A-SL	209+67.34	LT-29.99	2" CITY T.E. SIGNAL, TOP @ 894.22'	- POSSIBLE CONFLICT, STORM DESIGN REVISED TO AVOID, LESS THAN 6" SEPARATION, USE CAUTION
● ULO12B-SL	209+67.11	LT-30.32	2" CITY T.E. SIGNAL, TOP @ 894.22'	- POSSIBLE CONFLICT, STORM DESIGN REVISED TO AVOID, LESS THAN 6" SEPARATION, USE CAUTION
● ULO13-FO	209+71.45	LT-26.38	FIBER OPTIC CLAY DUCT PACK, TOP @ 892.55', BOTTOM @ 891.56'	- CONFLICT, STORM DESIGN REVISED TO AVOID
● ULO14A-FO	209+68.13	LT-30.25	3" FIBER OPTIC, TOP @ 889.96'	- NO CONFLICT
● ULO14B-FO	209+68.22	LT-30.40	3" FIBER OPTIC, TOP @ 889.89'	- NO CONFLICT
● ULO14C-FO	209+68.24	LT-30.44	3" FIBER OPTIC, TOP @ 890.06'	- NO CONFLICT
● ULO14D-FO	209+68.44	LT-30.14	3" FIBER OPTIC, TOP @ 891.05'	- NO CONFLICT
● ULO14E-FO	209+68.52	LT-30.00	3" FIBER OPTIC, TOP @ 889.64'	- NO CONFLICT
● ULO15-FO	209+75.58	LT-19.73	FIBER OPTIC, NO ULO DATA OBTAINED AT TIME OF REVISION #1	
● ULO16-E	209+76.70	RT-12.84	ELECTRIC CONCRETE DUCT PACK, TOP @ 893.84', BOTTOM @ 891.24'	- CONFLICT, STORM DESIGN REVISED TO AVOID
● ULO17-G	209+86.52	LT-8.66	8" GAS, TOP @ 890.39', NO CONFLICT	
● ULO18-FO	210+05.21	LT-8.41	4" FIBER OPTIC, TOP @ 894.10'	- CONFLICT, STORM DESIGN REVISED TO AVOID
● ULO19-FO	210+11.38	LT-8.23	1" FIBER OPTIC, TOP @ 894.19'	- CONFLICT, STORM DESIGN REVISED TO AVOID
● ULO20-E	211+13.18	LT-7.99	ELECTRIC CONCRETE DUCT PACK, TOP @ 903.63', BOTTOM @ 902.74'	- NO CONFLICT
● # ULO21-E	211+37.20	RT-11.25	ELECTRIC CONCRETE DUCT PACK, TOP @ 903.85', BOTTOM @ 903.19'	(REV #5 - INACCURATE BOTTOM MEASURE) - CONFLICT
● ULO22A-FO	211+38.59	RT-16.70	2" FIBER OPTIC, TOP @ 902.60'	- POSSIBLE CONFLICT, STORM DESIGN REVISED TO AVOID
● ULO22B-FO	211+38.58	RT-16.99	2" FIBER OPTIC, TOP @ 902.57'	- POSSIBLE CONFLICT, STORM DESIGN REVISED TO AVOID
# ULO23-E	210+34.57	RT-11.49	FIELD ULO PERFORMED PRIOR TO REVISION #5 FOR S-17A REMOVAL AND S-16B ADDITION, ULO LOCATION APPROXIMATE ELECTRIC CONCRETE DUCT PACK, BOTTOM @ 894.91', EXPECTED TO AVOID PROPOSED STORM SEWER	



- 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.)

**REV BY CJS  
6/17/24**

MATCH LINE STA. 125+00

14389	14389	8746	W-1
WEST WASHINGTON AVE - WATER PLAN AND PROFILE	MADISON, WI	CONTRACT NO:	W-1
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING			
M:\DESIGN\Projects\14389\CAD\Water\14389WU-Water.dwg			
14389			
W-1			









**CONSTRUCTION NOTES:**

1. 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.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. 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

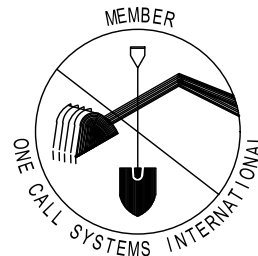
**\*ESTIMATE OF MATERIALS SALVAGED:**

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.

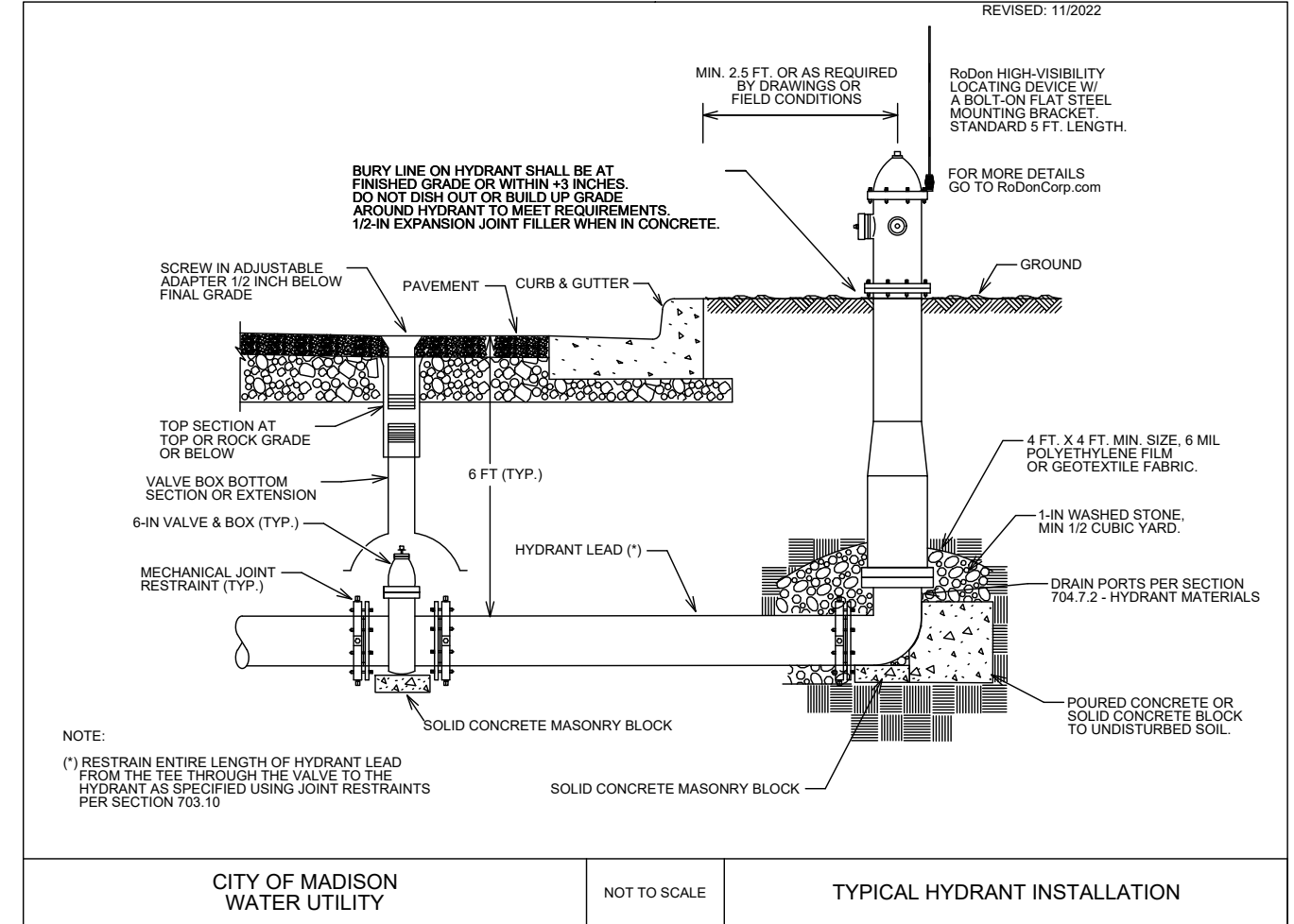


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

**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

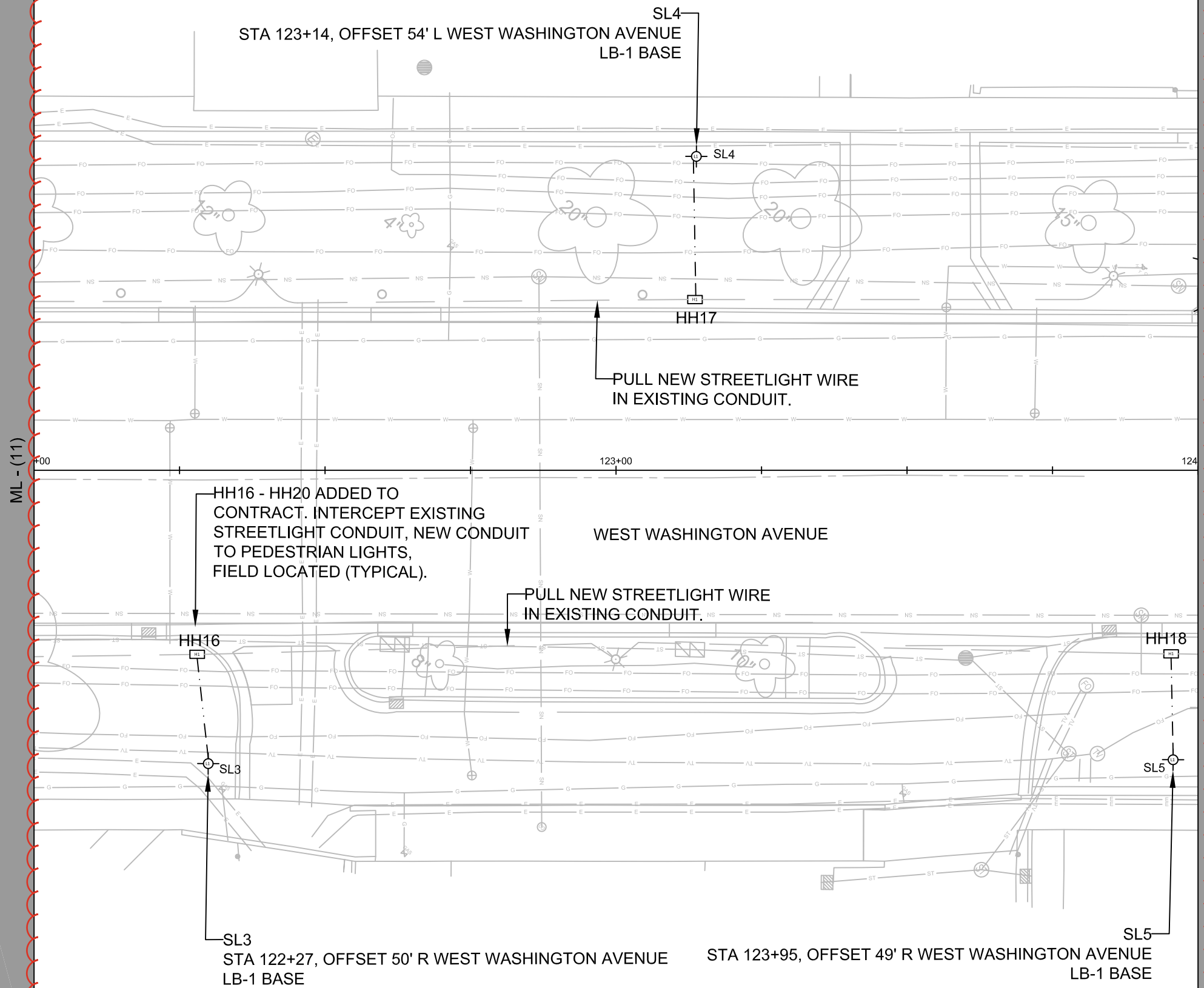


**ELECTRIC NOTES:**

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)  $\frac{3}{4}$ " 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)  $\frac{3}{4}$ " 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

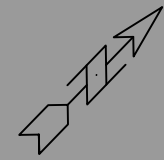
ELECTRICAL PLANS	14389	MADISON, WI	CONTRACT NO: 8746	E-1
WEST WASHINGTON AVENUE RESURFACING M:\DESIGN\Projects\14389\CAD\Traffic\14389TE-Electrical-JLS.dwg				
				
14389				
E-1				





ML - (11)

ML - (12)



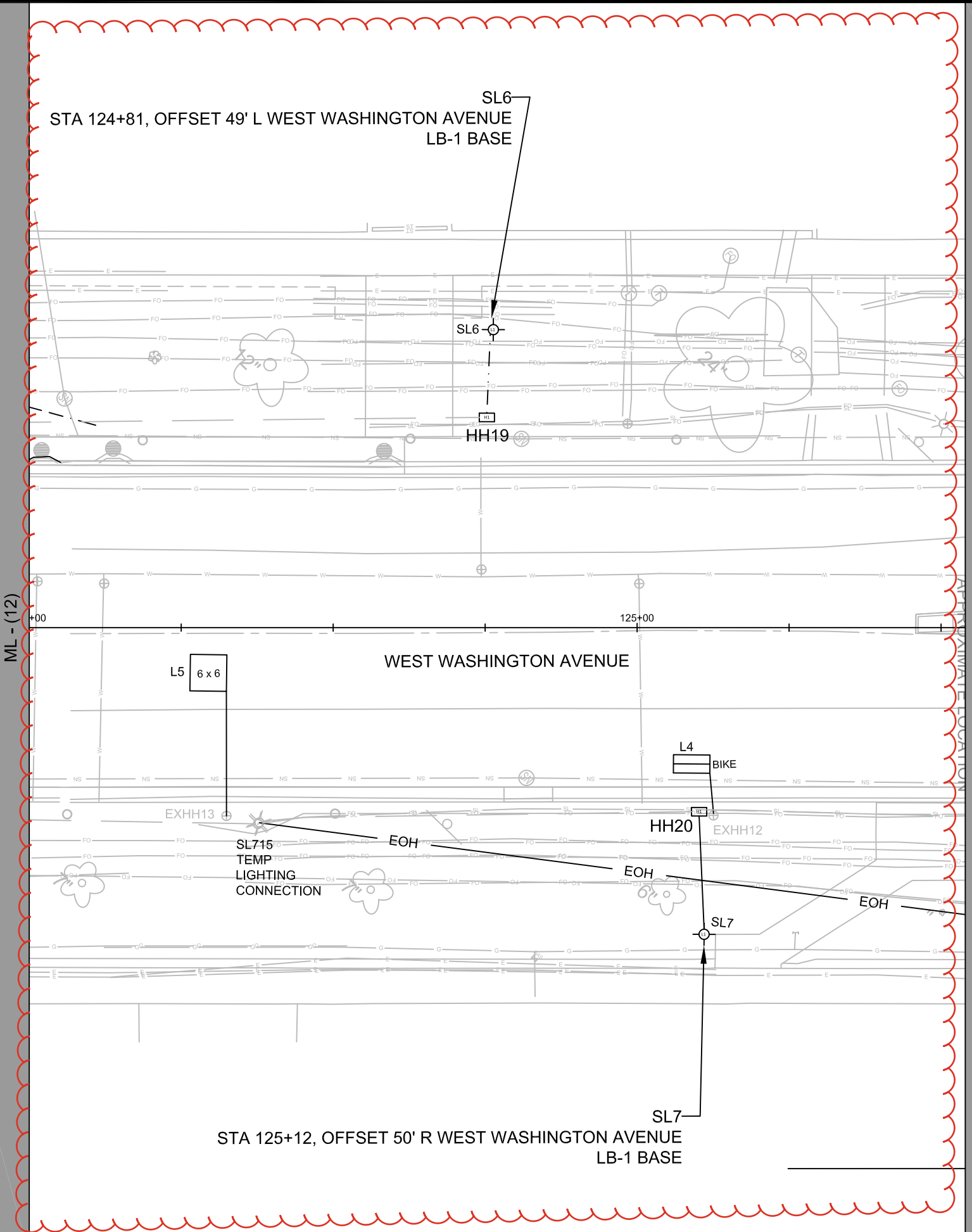
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Designed By: JLS		Date: 2/23/2024	Scale: 1" = 20'
14389			E-3

14389  
 MADISON, WI  
 CONTRACT NO: 8746

ELECTRICAL PLANS  
 WEST WASHINGTON AVENUE RESURFACING  
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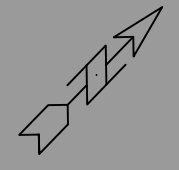
14389  
 E-3




STA 124+81, OFFSET 49' L WEST WASHINGTON AVENUE  
LB-1 BASE

WEST WASHINGTON AVENUE

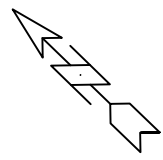
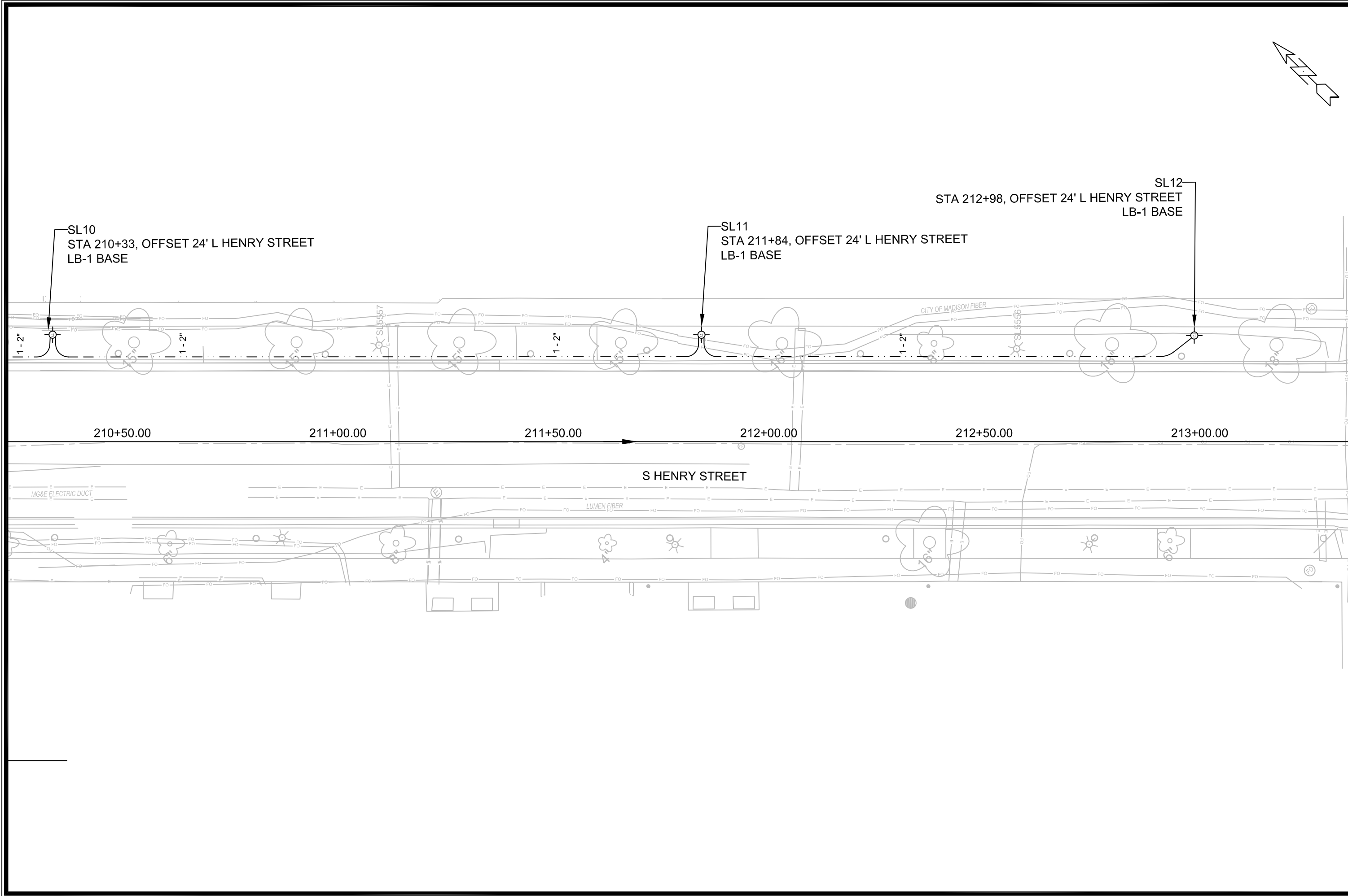
STA 125+12, OFFSET 50' R WEST WASHINGTON AVENUE  
LB-1 BASE



	14389	14389	14389	14389	14389	14389	14389	14389	14389
	ELECTRICAL PLANS		WEST WASHINGTON AVENUE RESURFACING		MADISON, WI		CONTRACT NO: 8746		
M:\DESIGN\Projects\14389\CAD\Traffic\14389TE-Electrical-JLS.dwg Design By: JLS Date: 2/23/2024 Scale: 1" = 20' 14389 E-4									







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



14389  
E-7

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

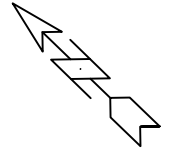
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EXHH2	HH14	80	-	160	-	80	-	-	CONNECT TO EXISTING CONDUIT
HH14	EXHH4	-	-	-	50	-	-	50	CONNECT TO EXISTING CONDUIT
HH14	SL713	-	6	-	-	-	125	6	SL CIRCUIT FROM TC1
EXHH4	EXHH5	46	-	46	-	46	-	-	
EXHH14	EXHH8	100	-	100	-	100	-	-	
EXHH8	HH15	45	-	45	-	45	-	-	
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  
 8746  
 14389TE-Electrical-JLS.dwg  
 JLS  
 2/23/2024  
 REVISION  
 MARK  
 DATE



13489  
E-8



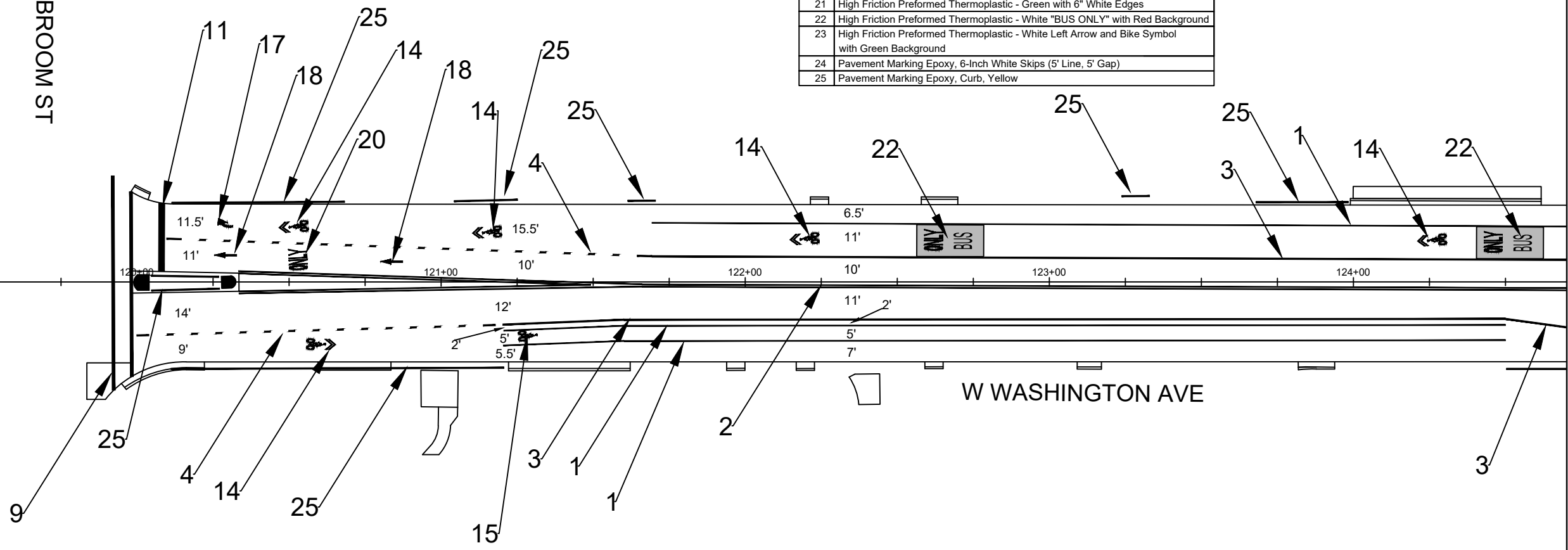




REVISION 1:  
ADDED LANE WIDTH  
DIMENSIONS FOR  
PAVEMENT MARKINGS

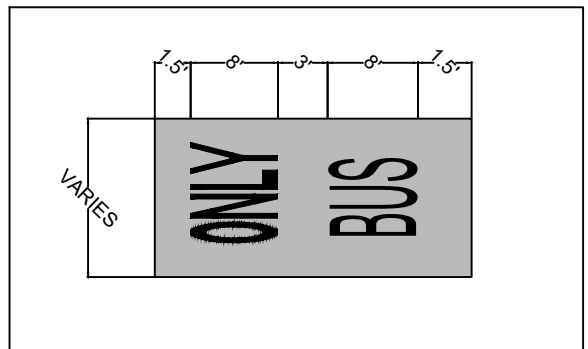
Callout	Description
1	Pavement Marking Epoxy, Line, 4-Inch Solid White
2	Pavement Marking Epoxy, Double Line, 4-Inch
3	Pavement Marking Epoxy, Line, 6-Inch Solid White
4	Pavement Marking Epoxy, 6-Inch White Skips (2' Line, 6' Gap)
5	Pavement Marking Epoxy, 6-Inch Yellow Skips (10' Line, 30' Gap)
6	Pavement 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

N BROOM ST

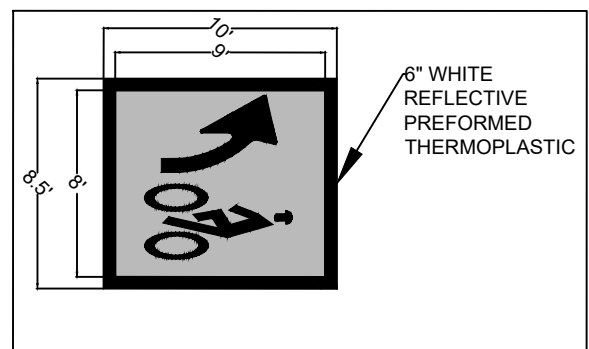


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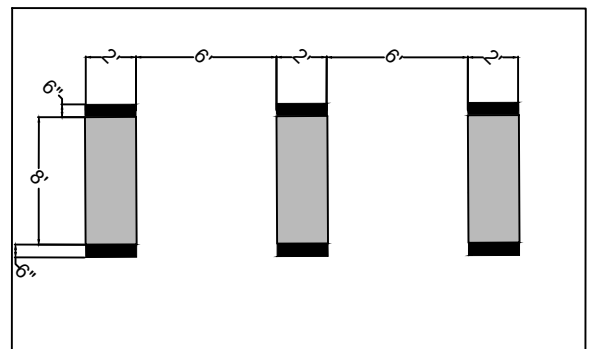
BUS LANE RED DETAIL



LEFT TURN BIKE BOX DETAIL



GREEN DASH DETAIL



MARK	DESIGNED BY	MFG	DATE	REVISION	BY
14389			6/17/2024		PM-1

14389TE-PAVEMENT MARKING PLAN - PM - (1)  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
 CONTRACT NO: 8746  
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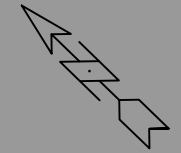
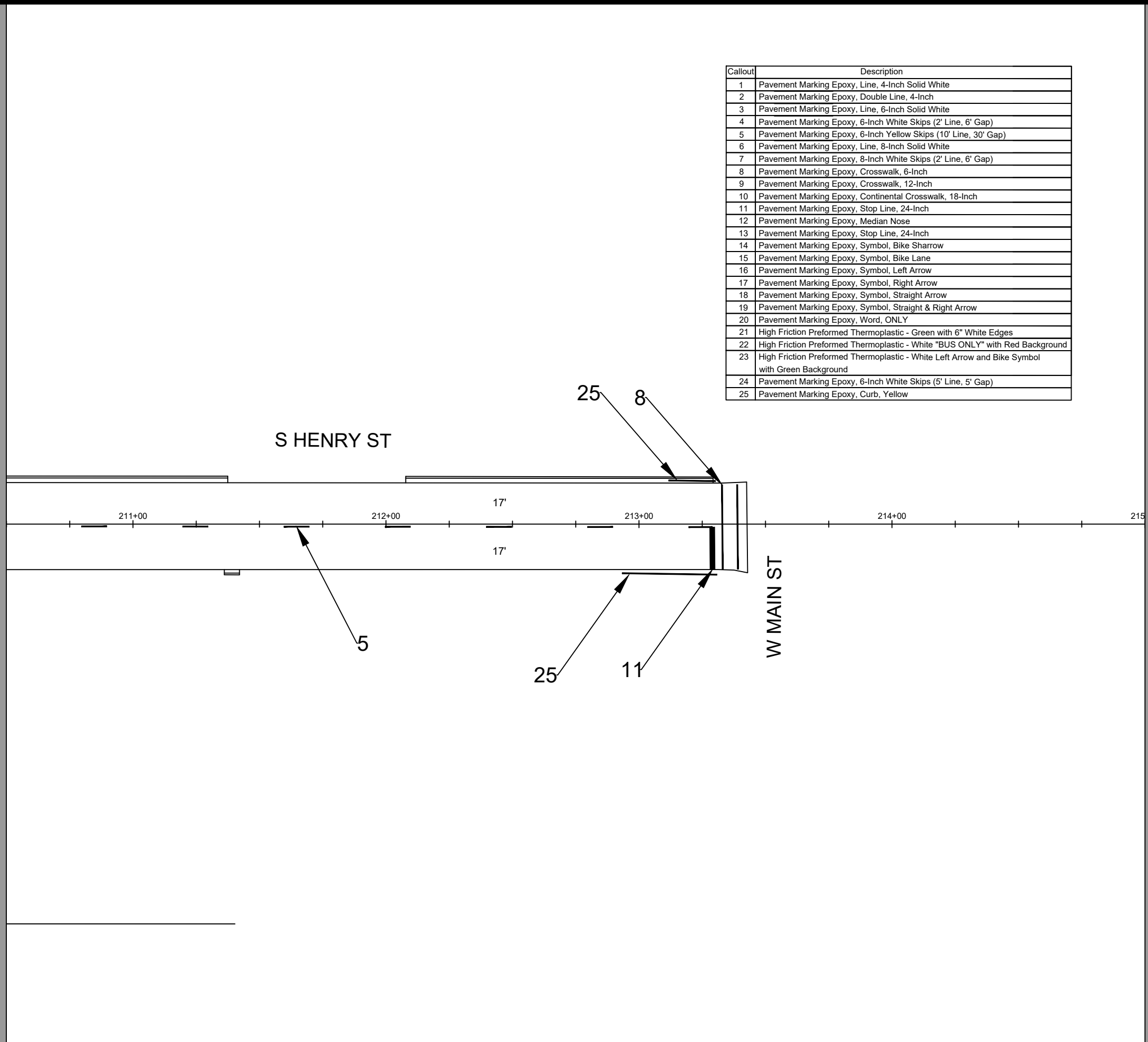
14389  
PM-1




REVISION 1:  
ADDED LANE WIDTH  
DIMENSIONS FOR  
PAVEMENT MARKINGS

Callout	Description
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2	Pavement Marking Epoxy, Double Line, 4-Inch
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10	Pavement Marking Epoxy, Continental Crosswalk, 18-Inch
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14	Pavement Marking Epoxy, Symbol, Bike Sharrow
15	Pavement Marking Epoxy, Symbol, Bike Lane
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18	Pavement Marking Epoxy, Symbol, Straight Arrow
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24	Pavement Marking Epoxy, 6-Inch White Skips (5' Line, 5' Gap)
25	Pavement Marking Epoxy, Curb, Yellow

MATCHLINE - (9)







14389TE-PAVEMENT MARKING PLAN - PM - (3)		14389	14389
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING		MADISON, WI	8746
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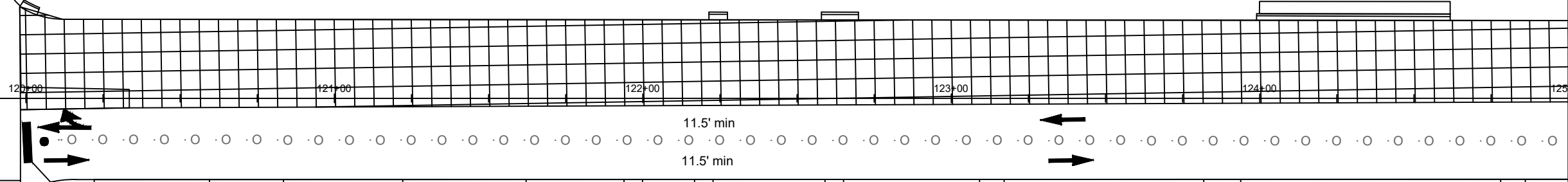
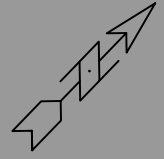
N BROOM ST

S BROOM ST

W WASHINGTON AVE

MATCHLINE - (5)

Legend	
	Barricade
	Arrow Board
	Direction of Travel
	Tubular Markers



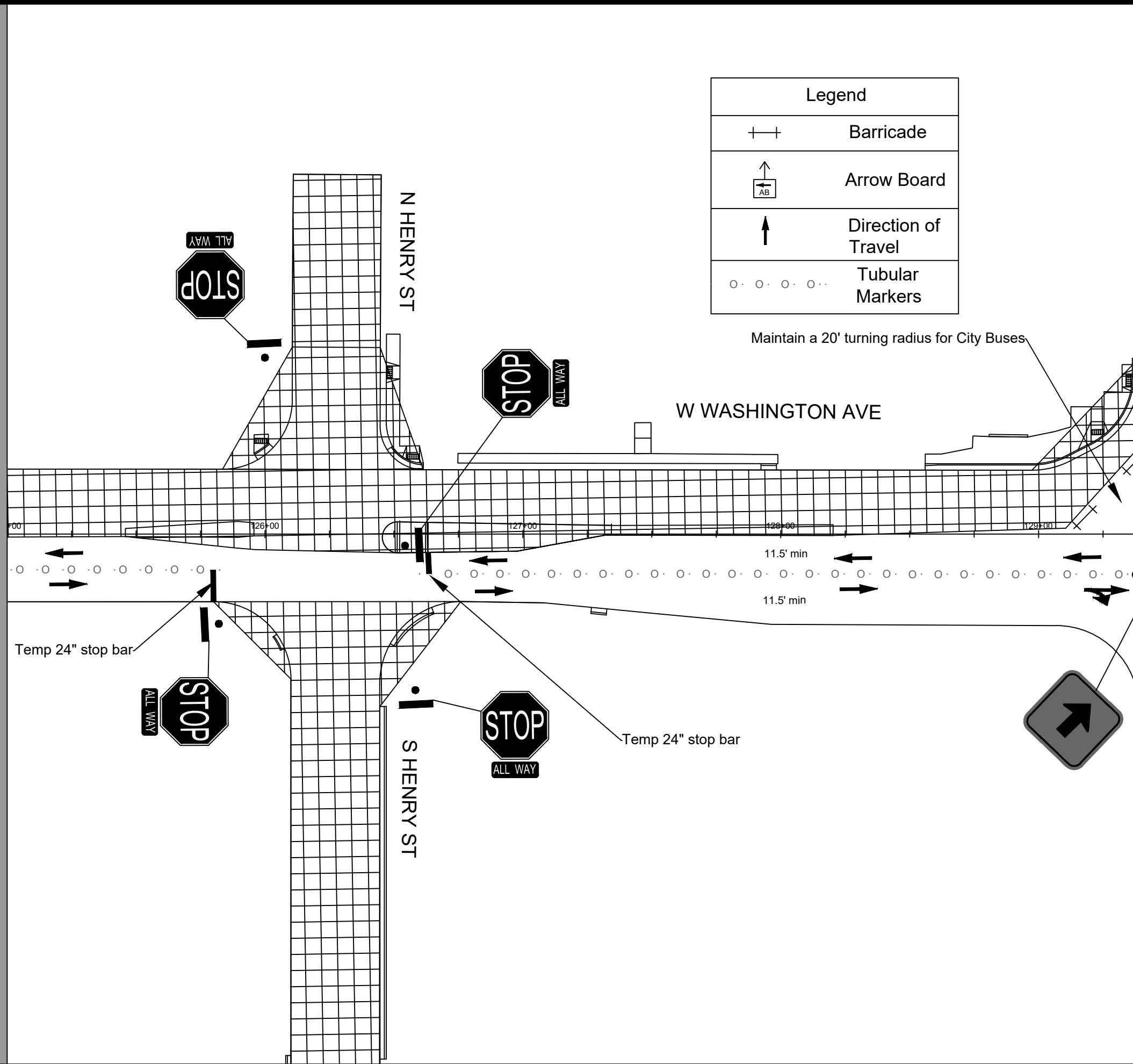
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14389  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
 CONTRACT NO: 8746



14389  
 TC - 1

MATCHLINE - (5)



Legend	
	Barricade
	Arrow Board
	Direction of Travel
	Tubular Markers

Maintain a 20' turning radius for City Buses

W WASHINGTON AVE

N HENRY ST

S HENRY ST

N FAIRCHILD ST

S FAIRCHILD ST

Barricaded area for bus loading/unloading in traffic

MARK	REVISION	DATE	BY

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



14389  
 TC - 2

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 TC - 2







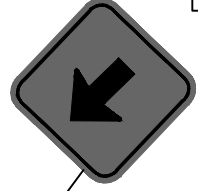


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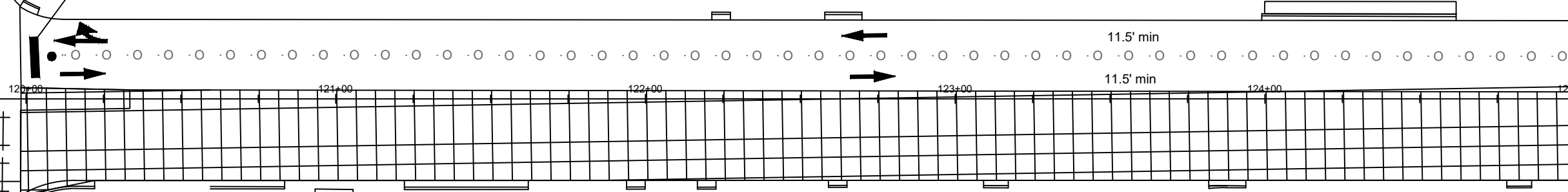
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S BROOM ST

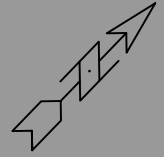
Legend	
	Barricade
	Arrow Board
	Direction of Travel
	Tubular Markers



W WASHINGTON AVE



MATCHLINE - (12)



14389  
TC - 4

TRAFFIC CONTROL PLAN PHASE 2

WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING

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14389

MADISON, WI

8746

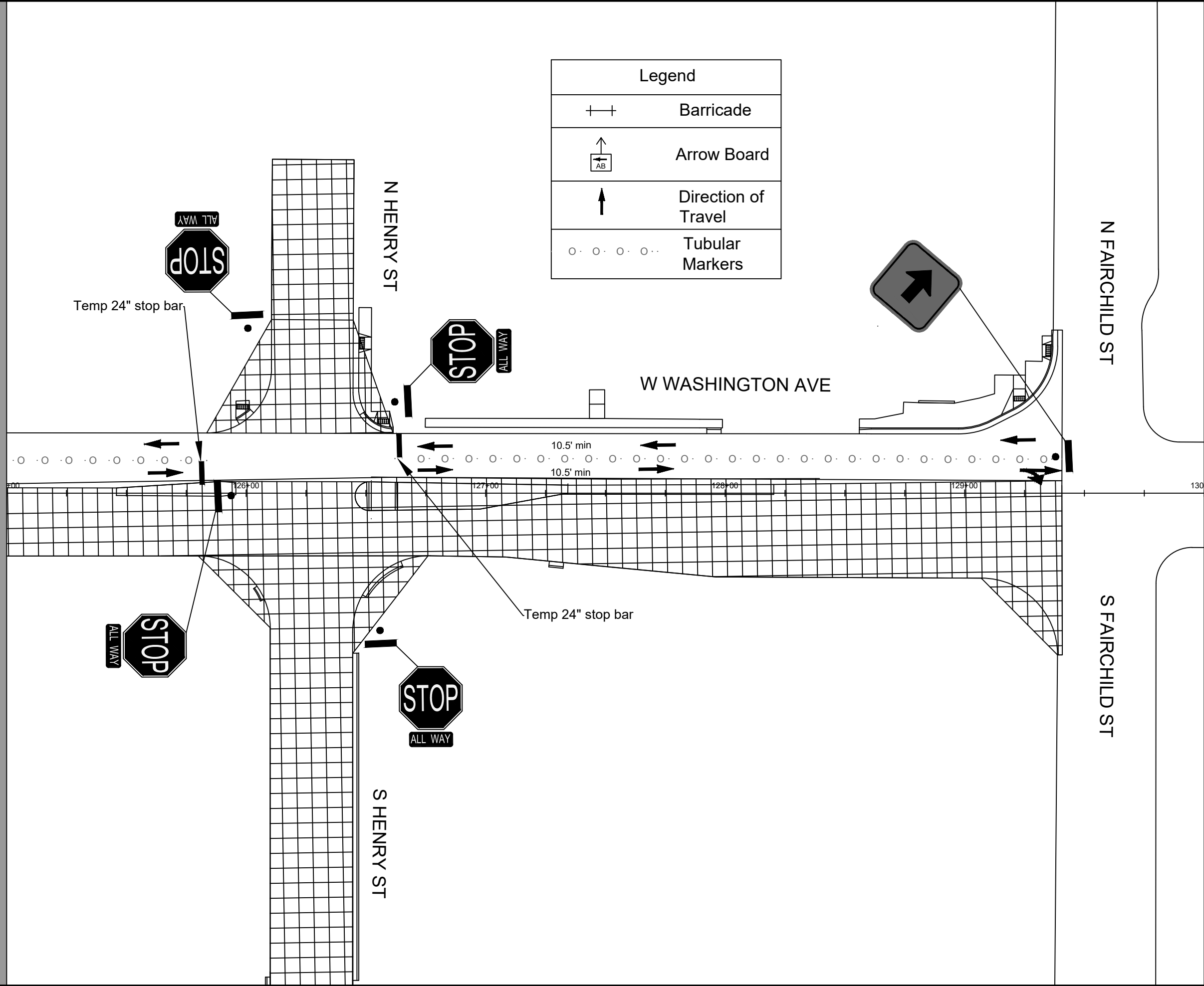
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MARK	REVISION	DATE	BY
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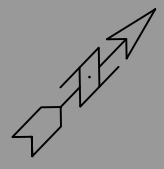
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TC - 4

MATCHLINE - (12)



Legend	
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	Direction of Travel
	Tubular Markers



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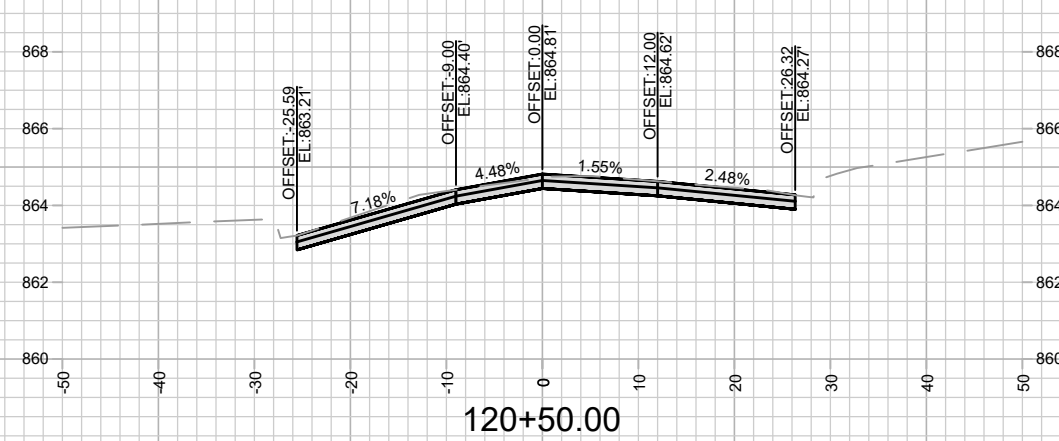
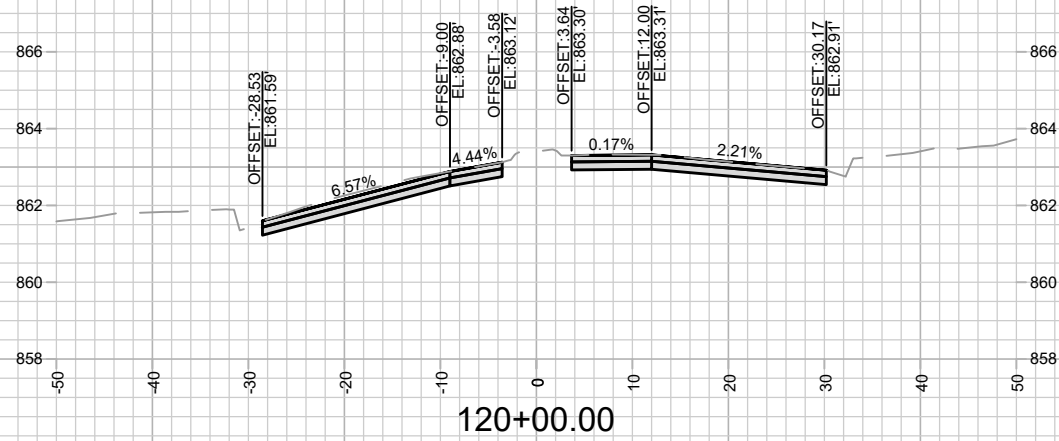
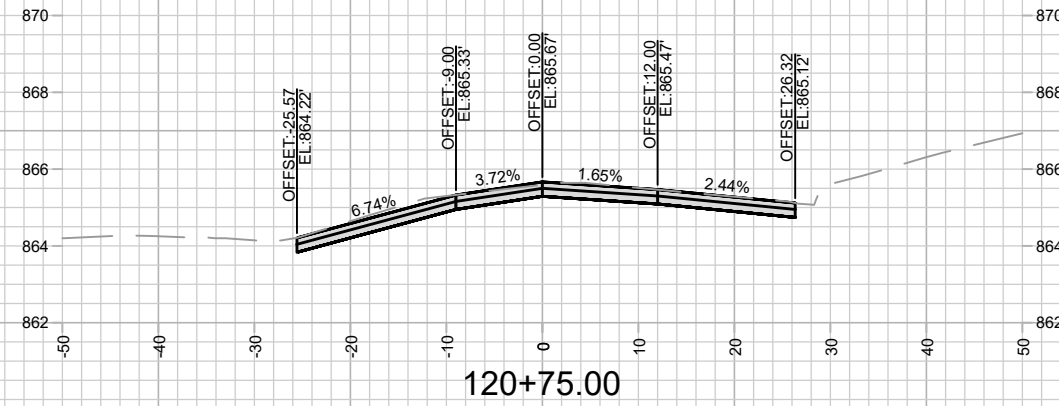
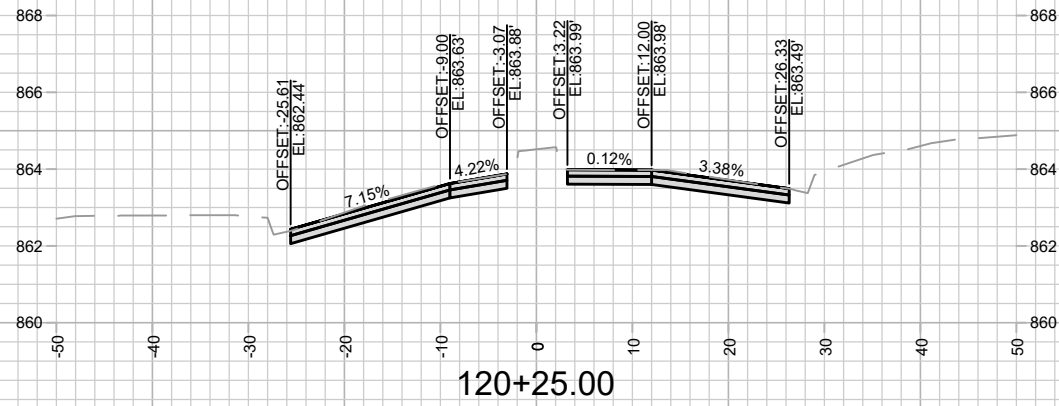
14389  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
 CONTRACT NO: 8746



14389  
 TC - 5

MATCHLINE - (13)

REVISION 1:  
ADDED SECONDARY CROWNS



MARK	REVISION	DATE	BY

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

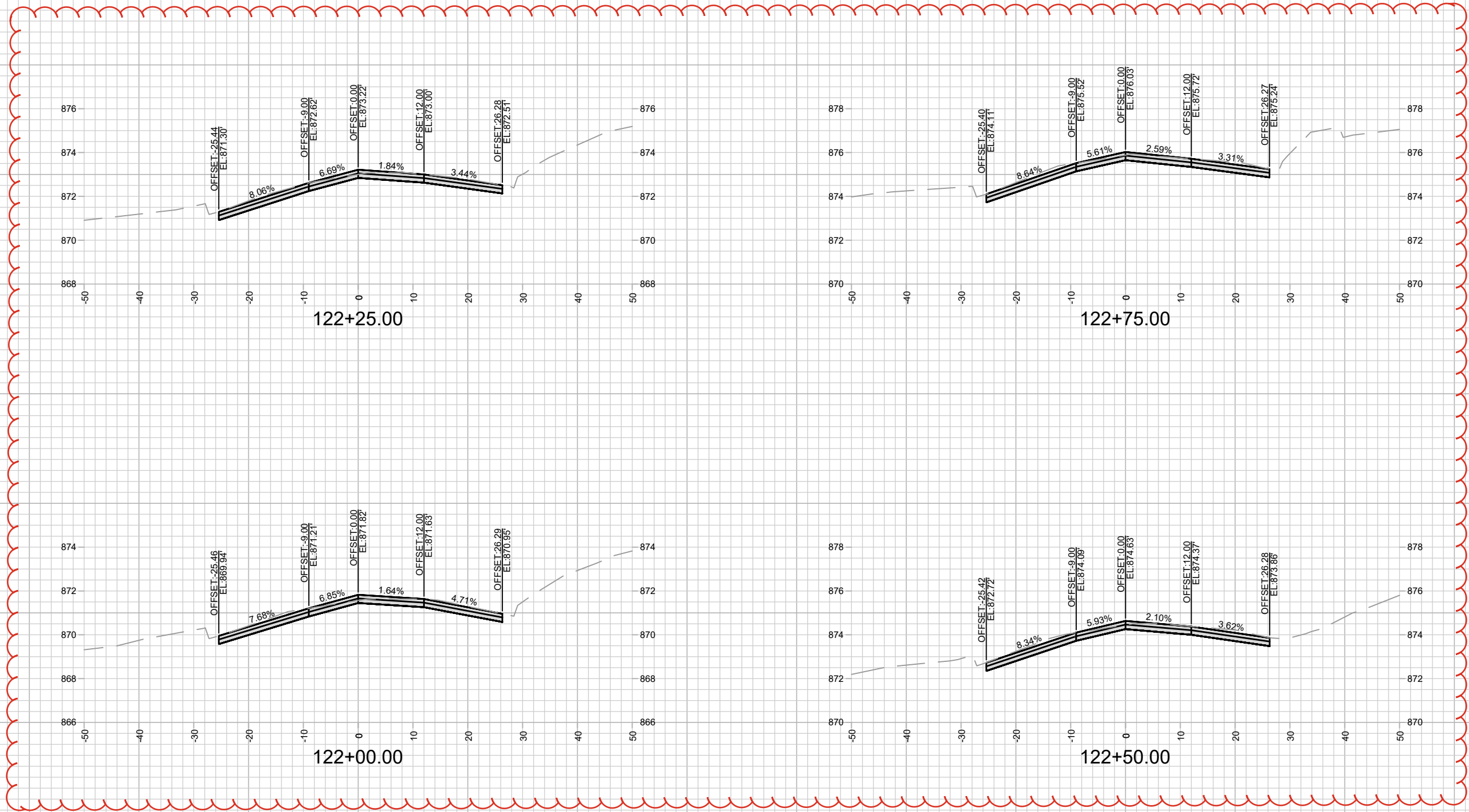


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Scale: 1" = 20'



REVISION 1:  
ADDED SECONDARY CROWNS



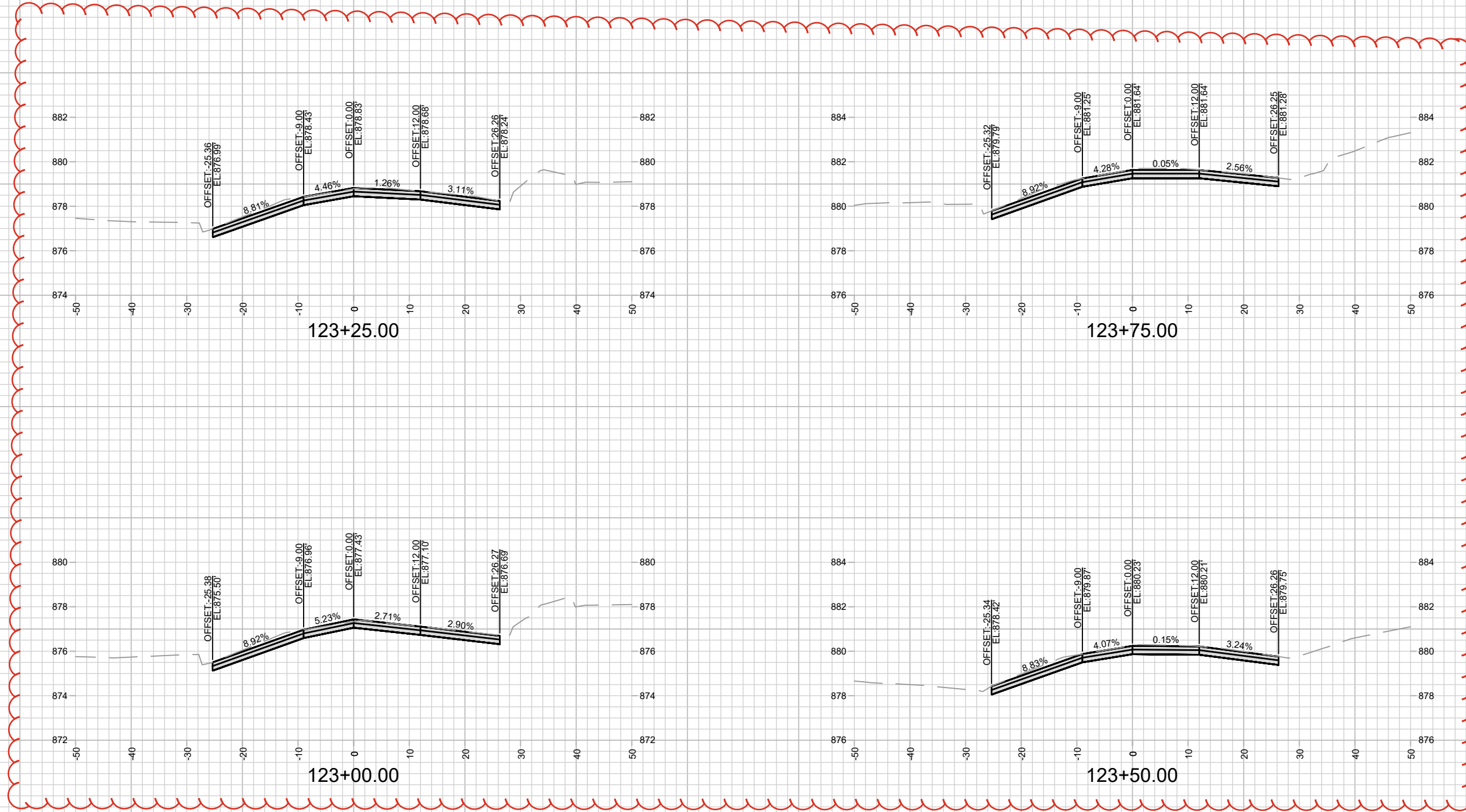
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 WEST WASHINGTON AVENUE - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
 CONTRACT NO: 8746  
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 X-3

REVISION 1:  
ADDED SECONDARY CROWNS



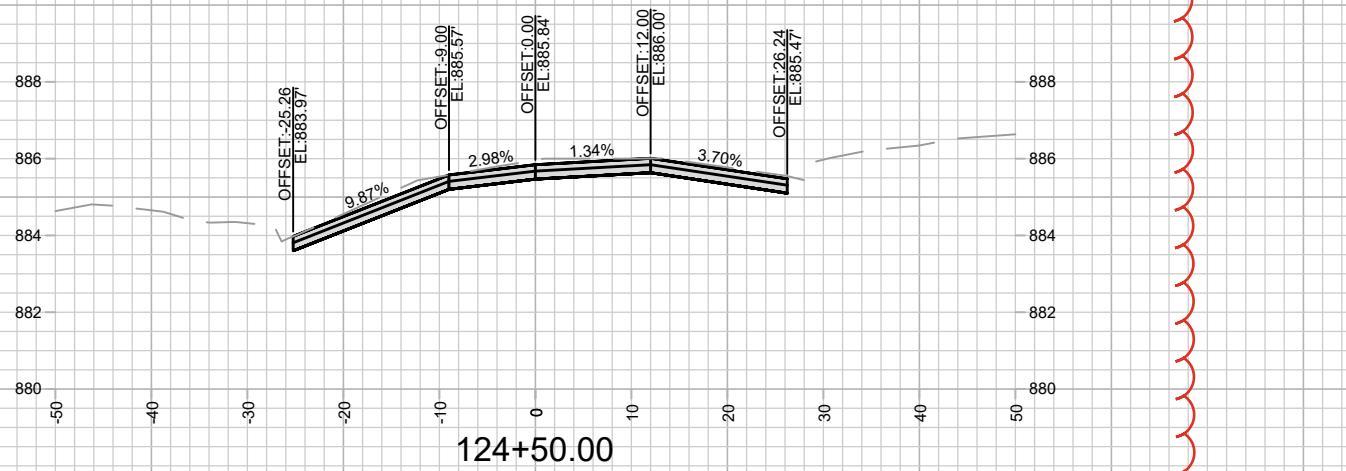
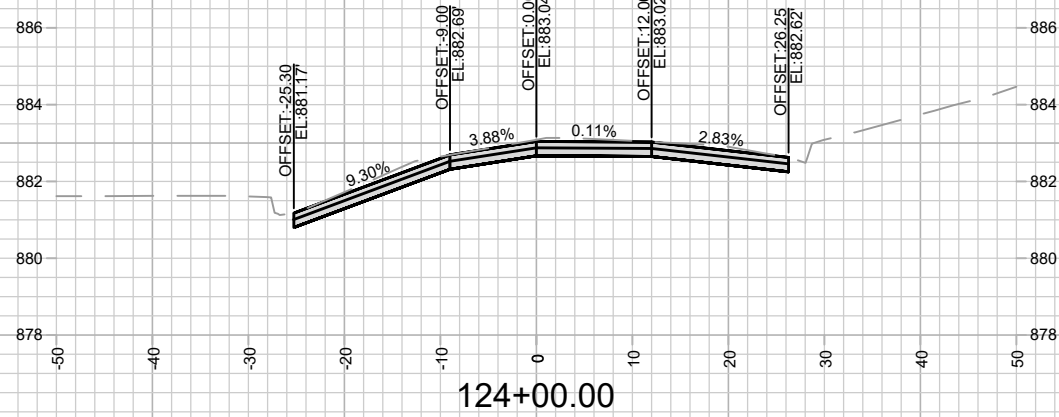
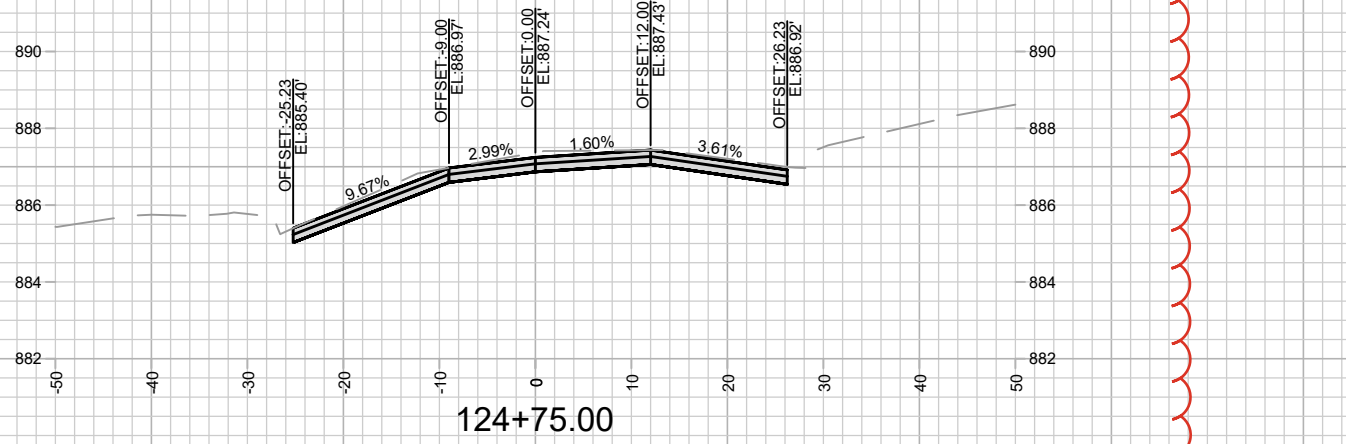
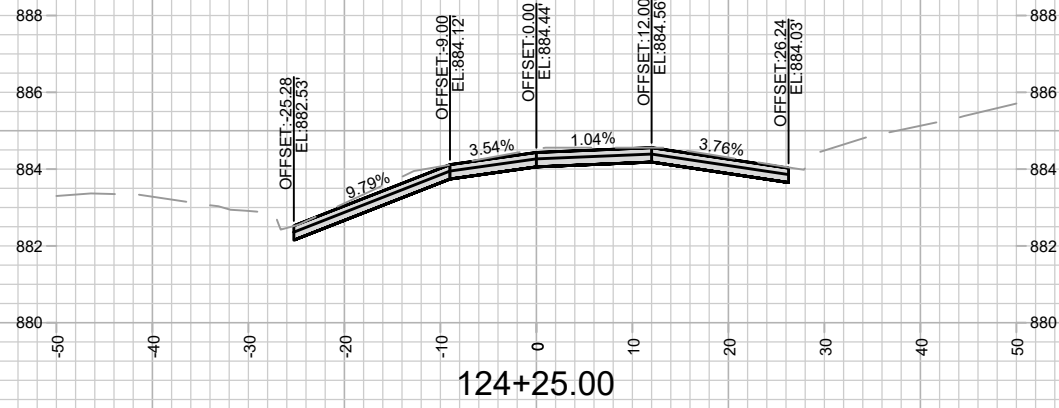
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 WEST WASHINGTON AVENUE - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
 CONTRACT NO: 8746  
 M:\DESIGN\Projects\14389\CAD\Streets\14389EN-Corridor.dwg



14389  
 X-4

REVISION 1:  
ADDED SECONDARY CROWNS



MARK	REVISION	DATE	BY

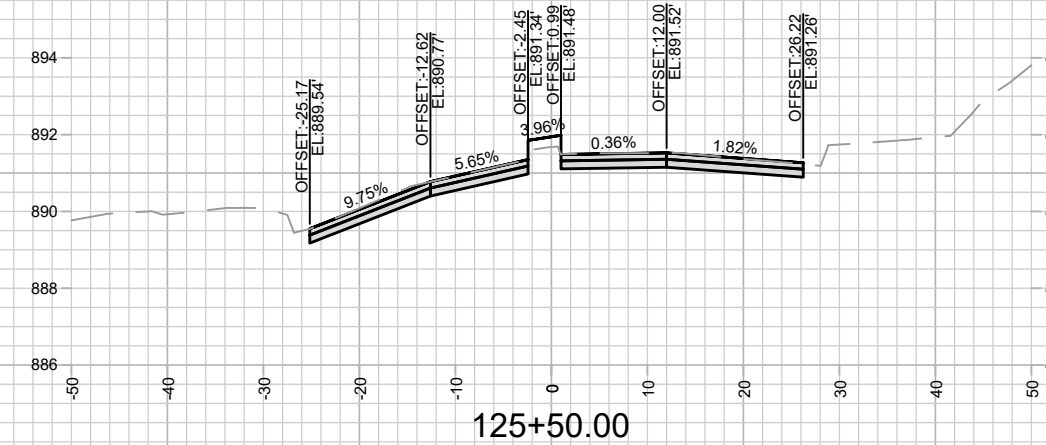
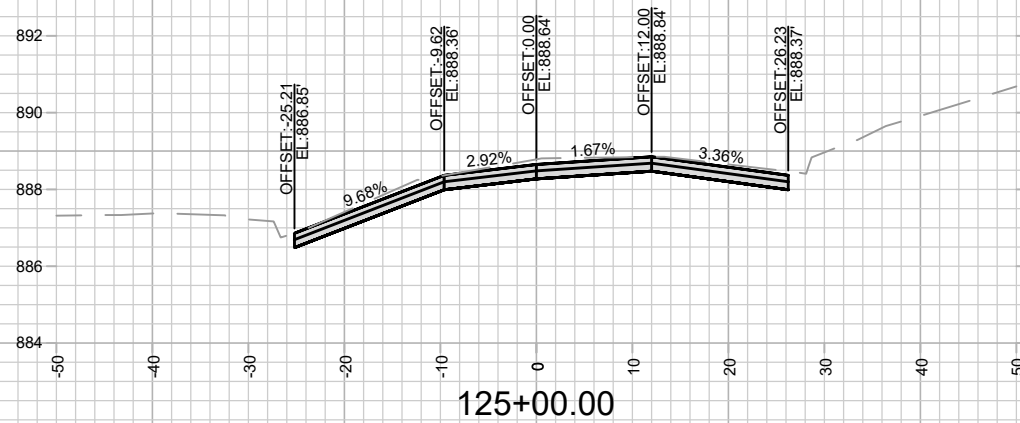
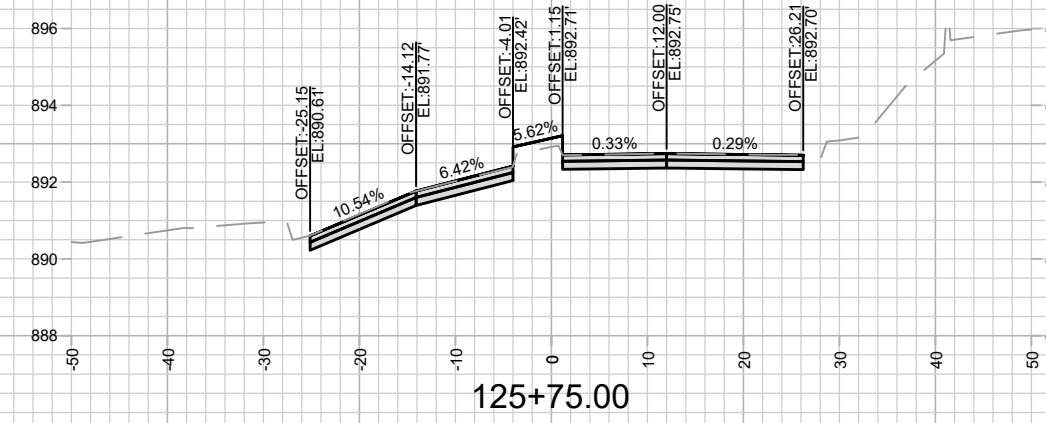
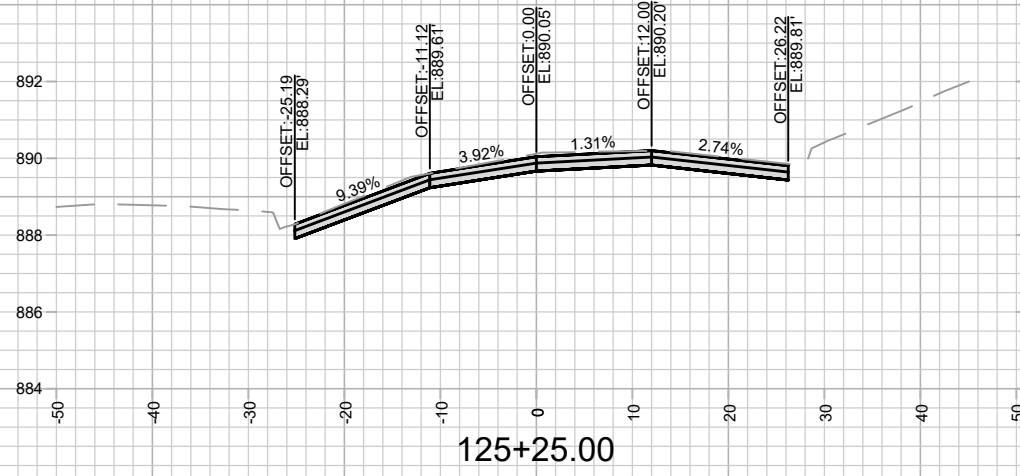
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 WEST WASHINGTON AVENUE - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
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 8746  
 CONTRACT NO:



14389  
 X-5

Designed By: MFG  
 Date: 07/02/2024 11:59 AM  
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 X-5

REVISION 1:  
ADDED SECONDARY CROWNS



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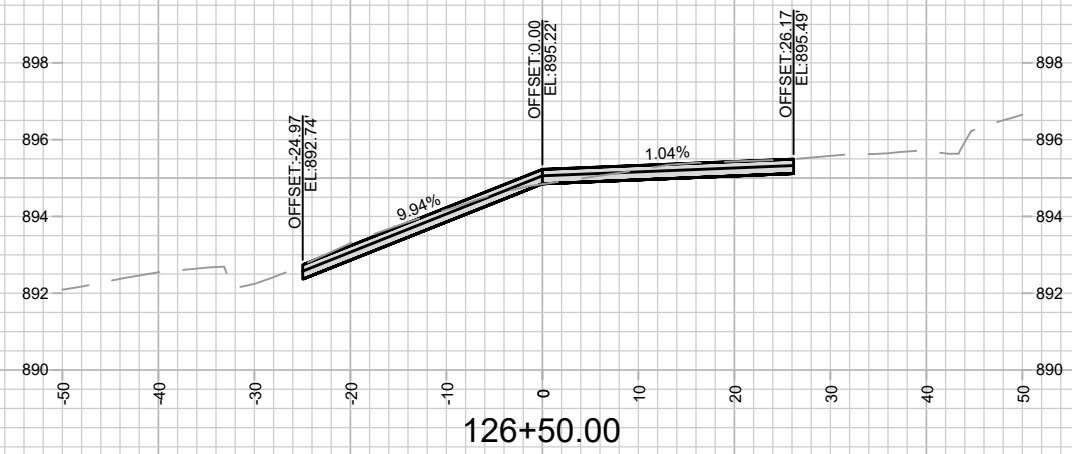
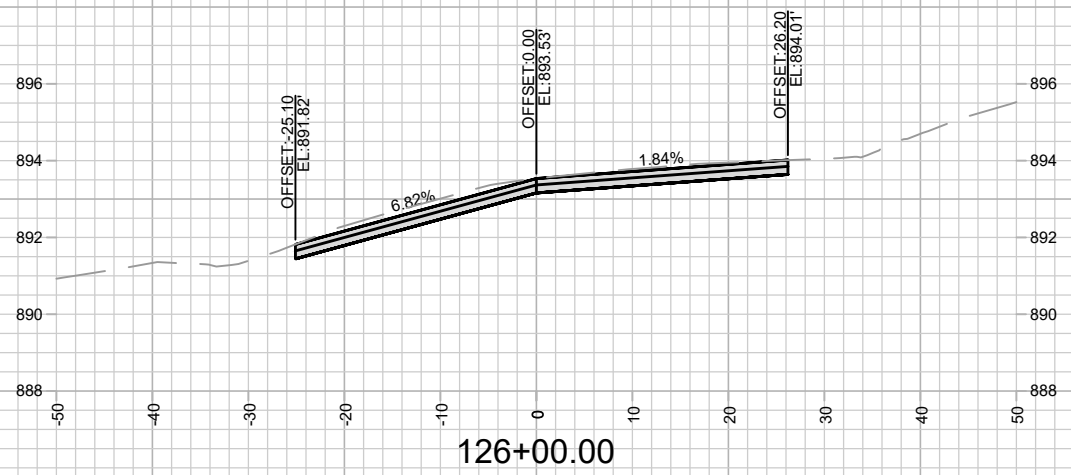
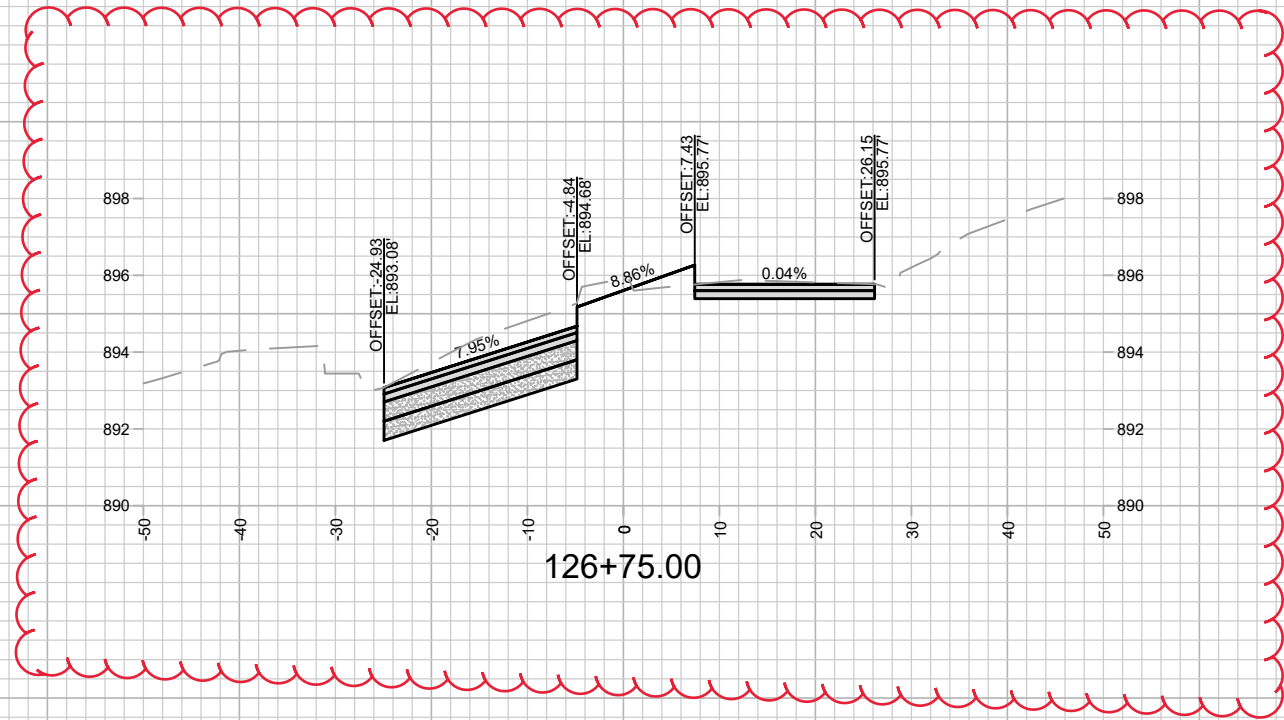
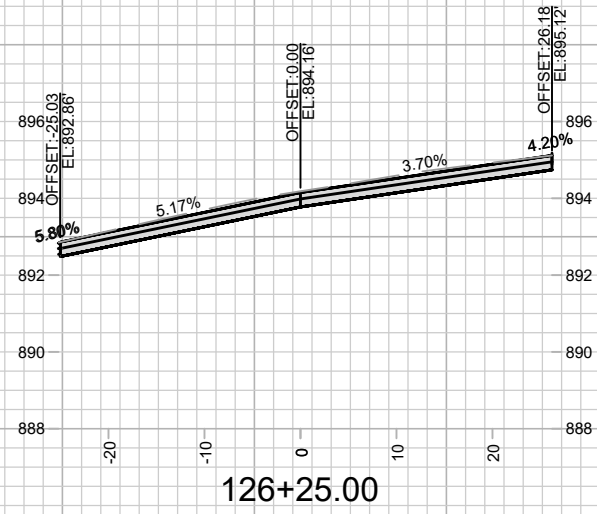
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WEST WASHINGTON AVENUE - CROSS SECTIONS  
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
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M:\DESIGN\Projects\14389\CAD\Streets\14389EN-Corridor.dwg  
14389  
8746  
CONTRACT NO:



14389  
X-6



ADDENDUM NOTE:  
ADJUSTED GRADES TO  
REDUCE CROSS SLOPES



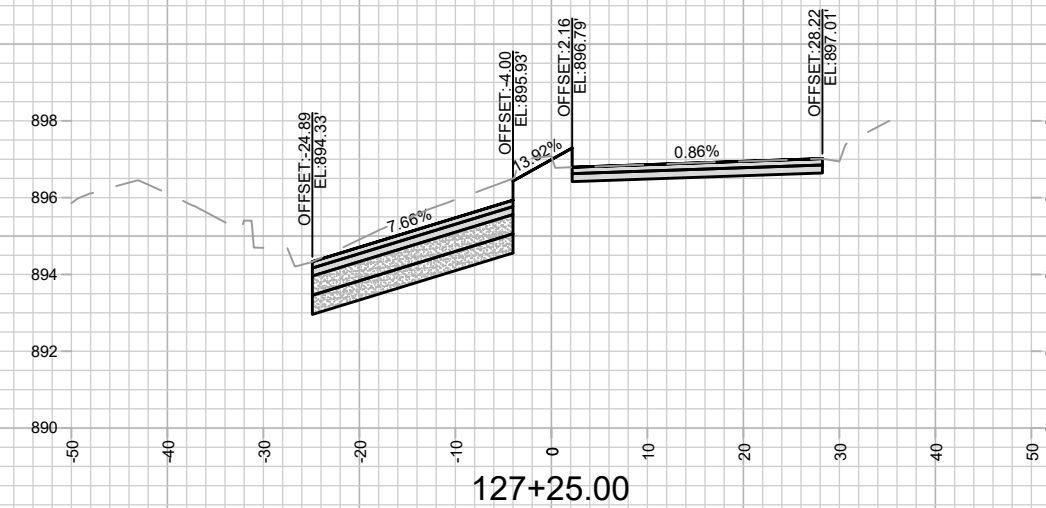
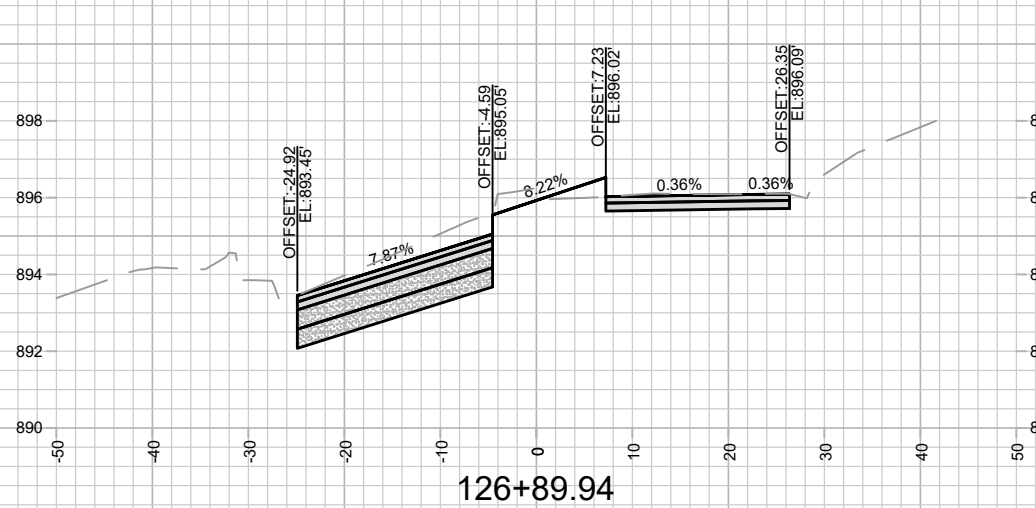
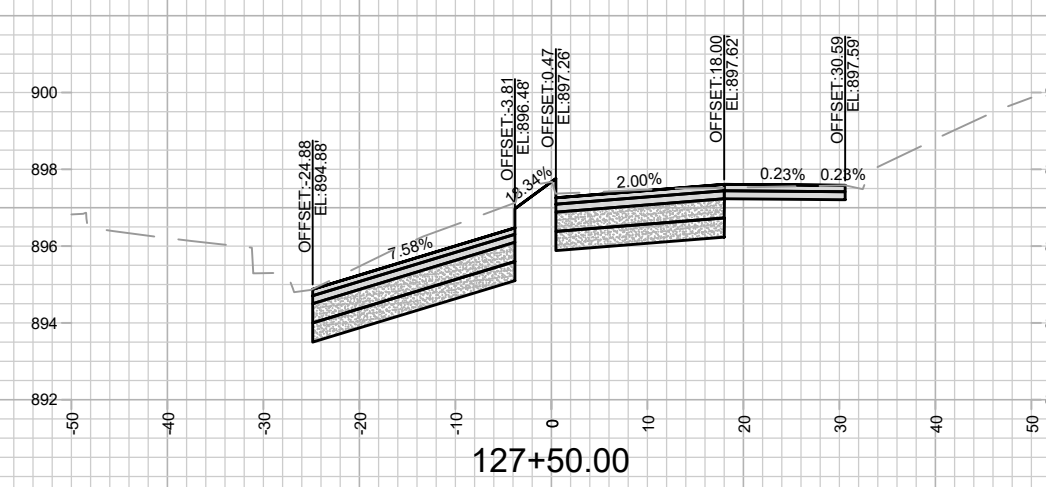
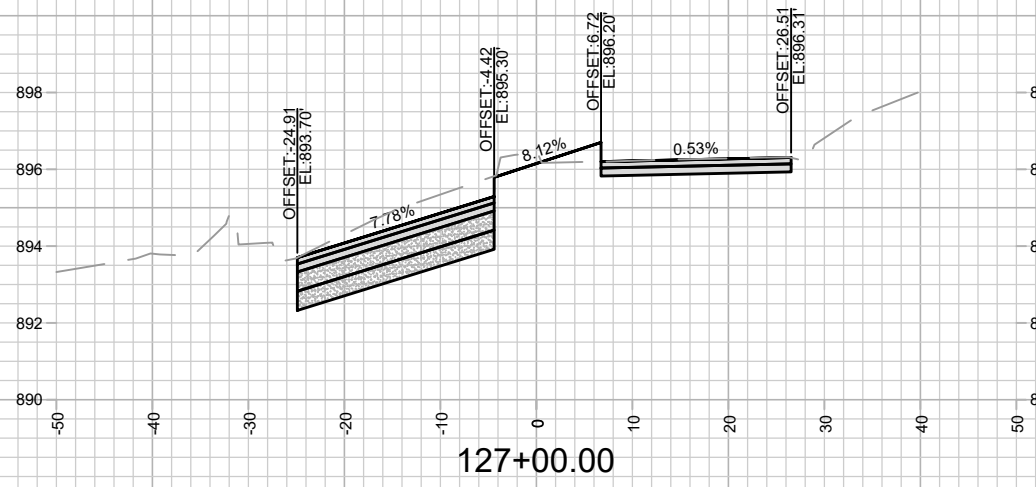
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 WEST WASHINGTON AVENUE - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
 CONTRACT NO: 8746  
 M:\DESIGN\Projects\14389\CAD\Streets\14389EN-Corridor.dwg



14389  
 X-7

ADDENDUM NOTE:  
ADJUSTED GRADES TO  
REDUCE CROSS SLOPES



MARK	REVISION	DATE	BY

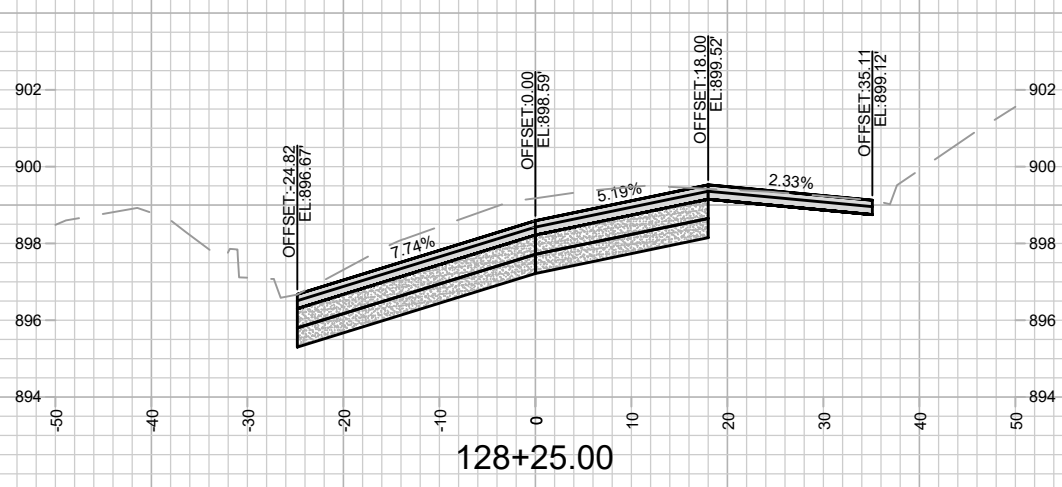
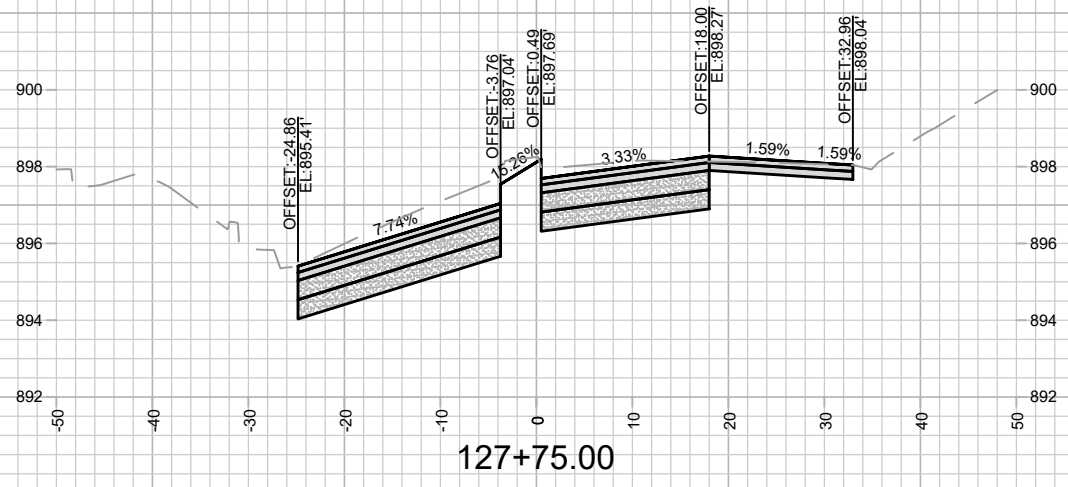
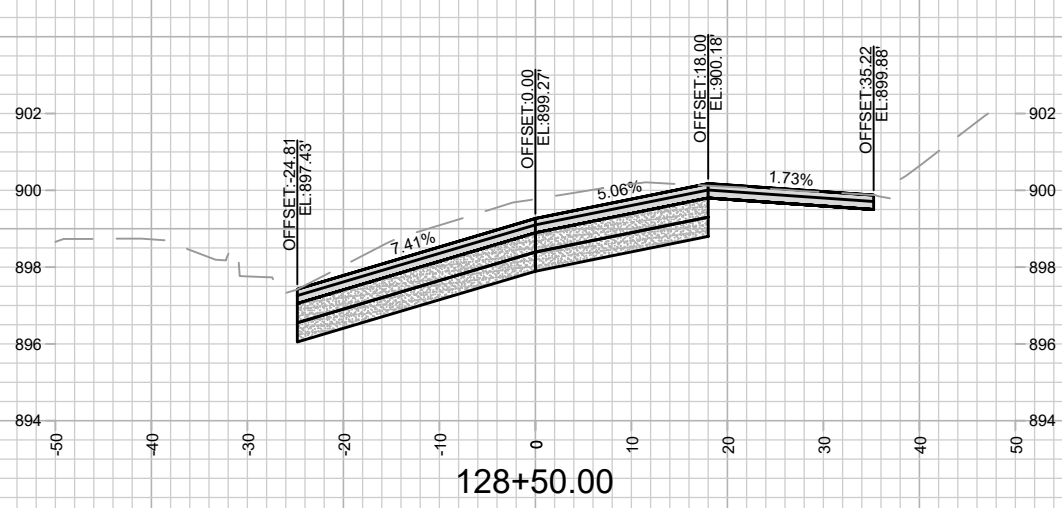
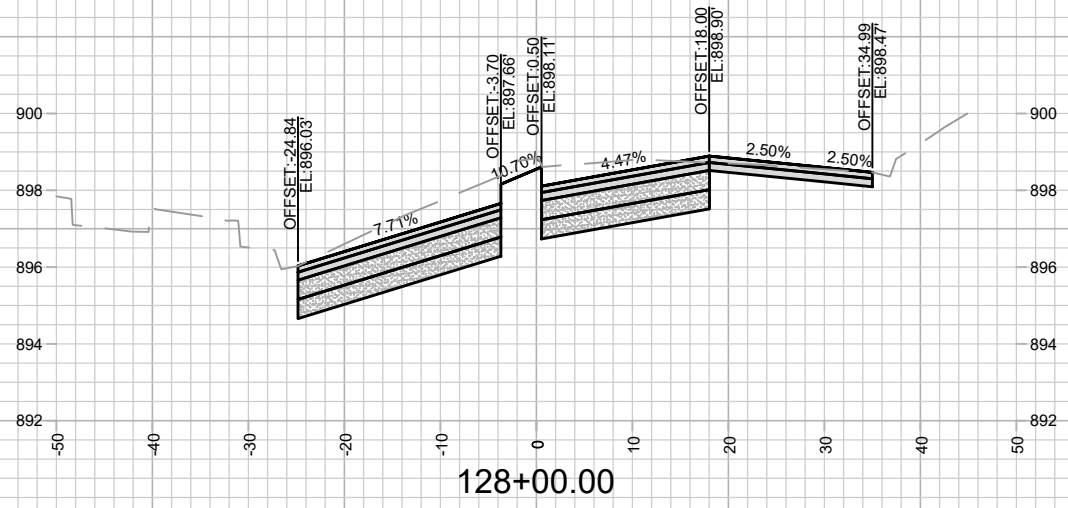
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WEST WASHINGTON AVENUE - CROSS SECTIONS  
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
MADISON, WI  
CONTRACT NO: 8746  
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14389  
X-8

ADDENDUM NOTE:  
ADJUSTED GRADES TO  
REDUCE CROSS SLOPES



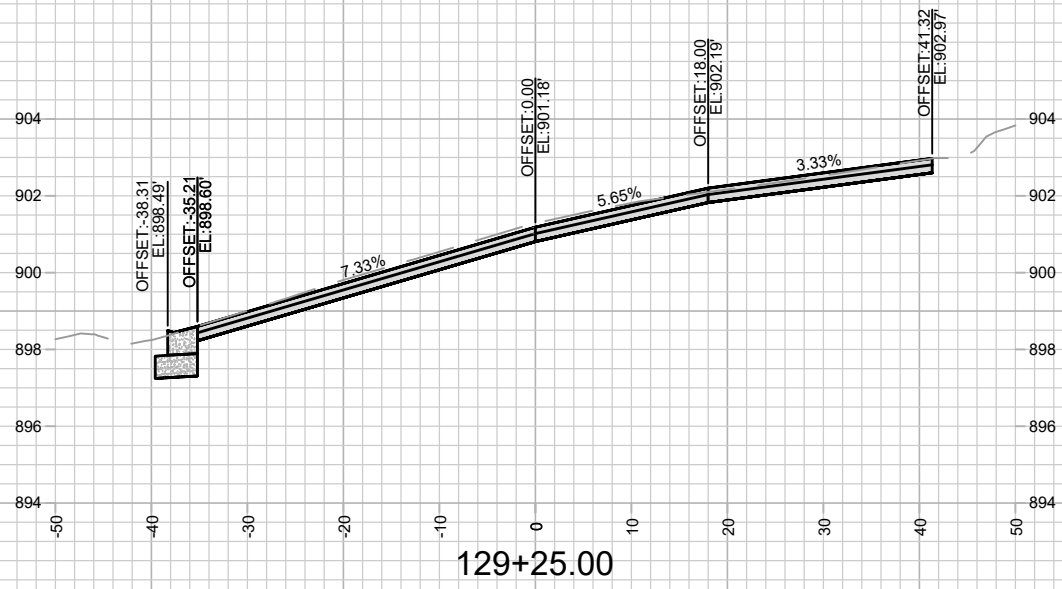
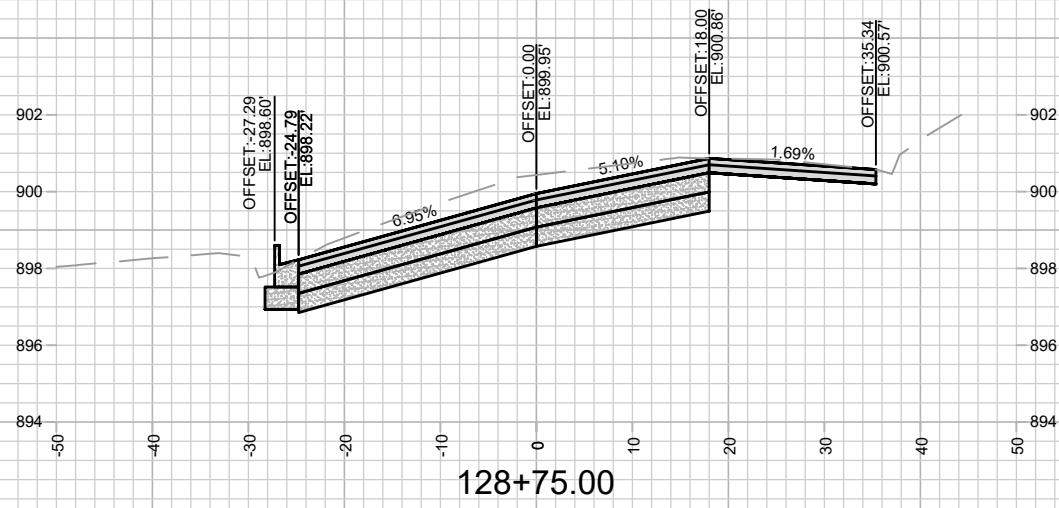
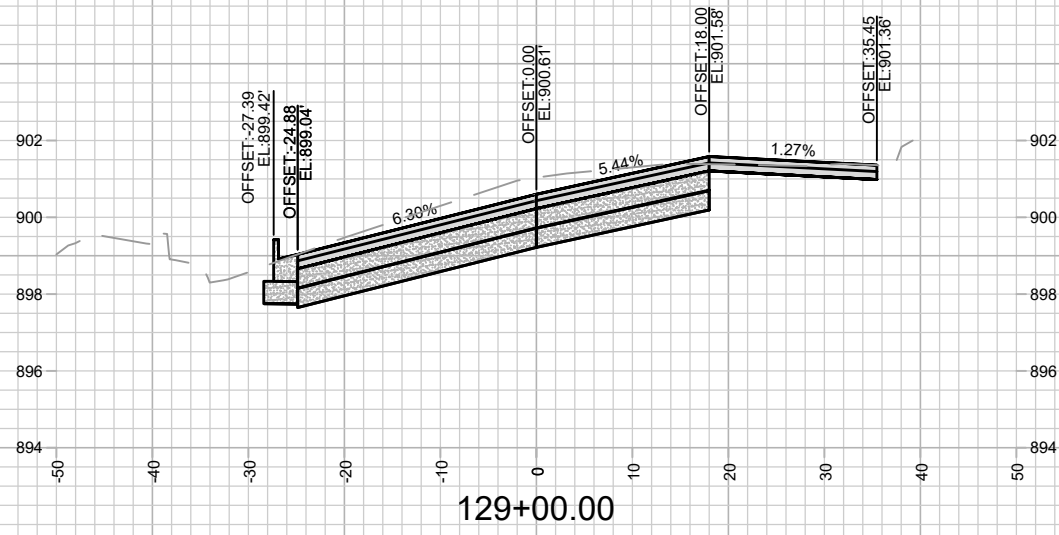
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REVISION	
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14389	X-9

14389  
WEST WASHINGTON AVENUE - CROSS SECTIONS  
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
MADISON, WI  
CONTRACT NO: 8746  
M:\DESIGN\Projects\14389\CAD\Streets\14389EN-Corridor.dwg



14389  
X-9

ADDENDUM NOTE:  
ADJUSTED GRADES TO  
REDUCE CROSS SLOPES

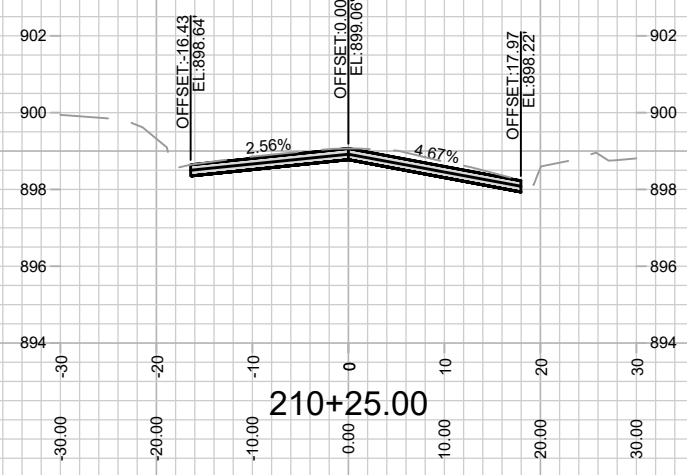
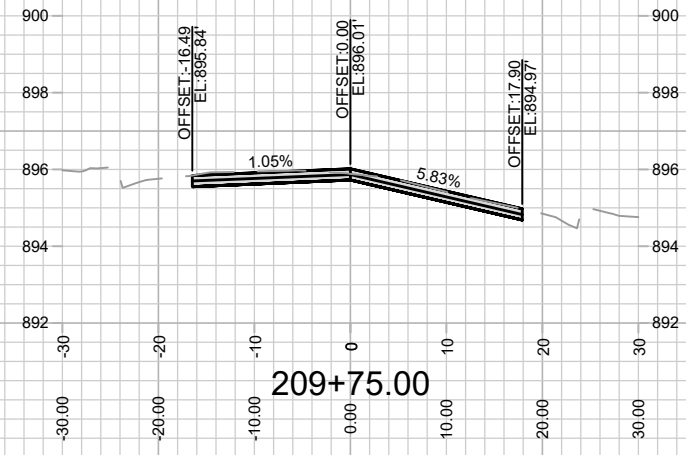
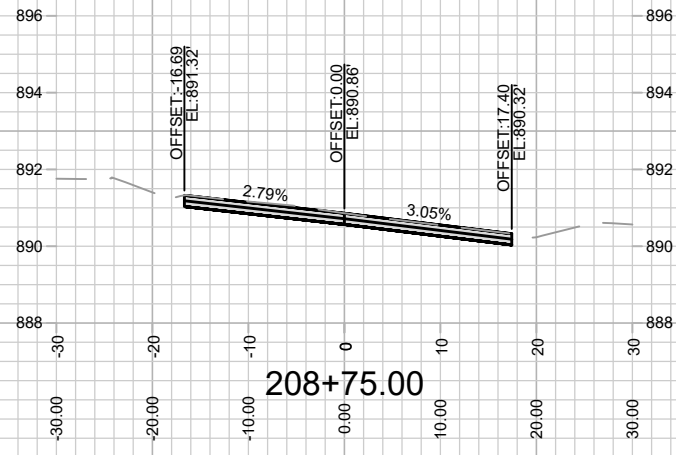
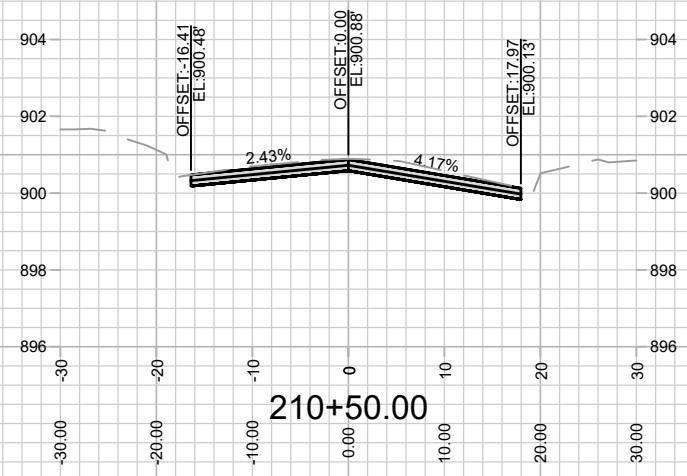
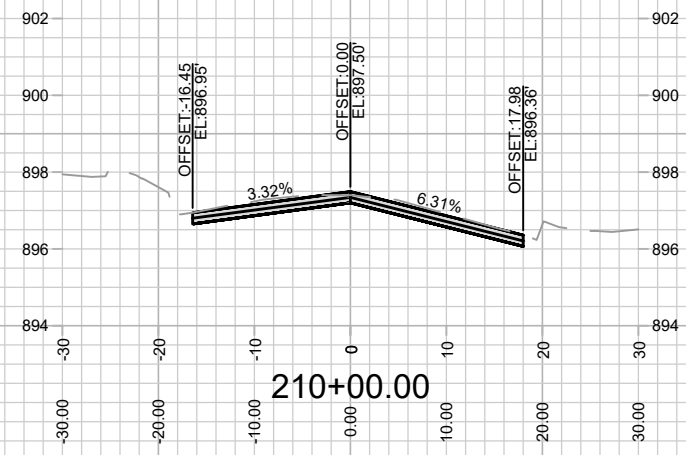
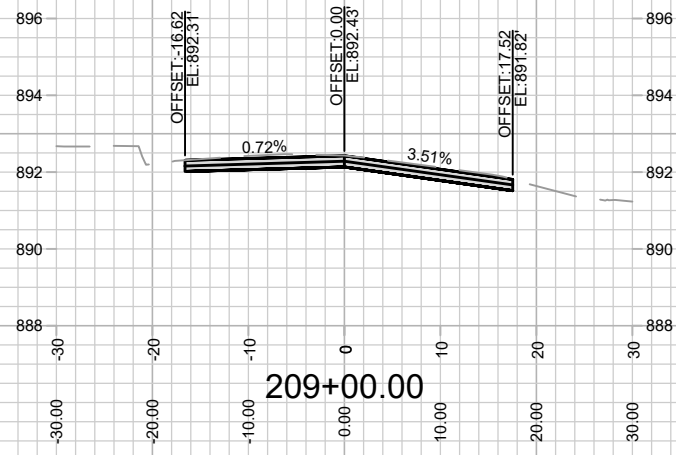


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WEST WASHINGTON AVENUE - CROSS SECTIONS  
MADISON, WI  
14389EN-Corridor.dwg  
CONTRACT NO: 8746



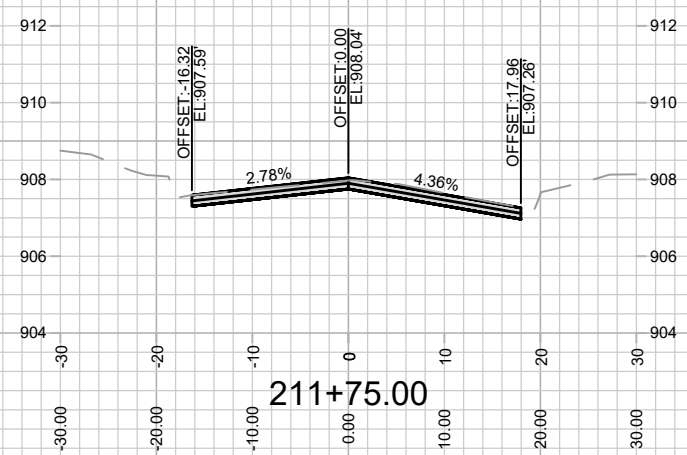
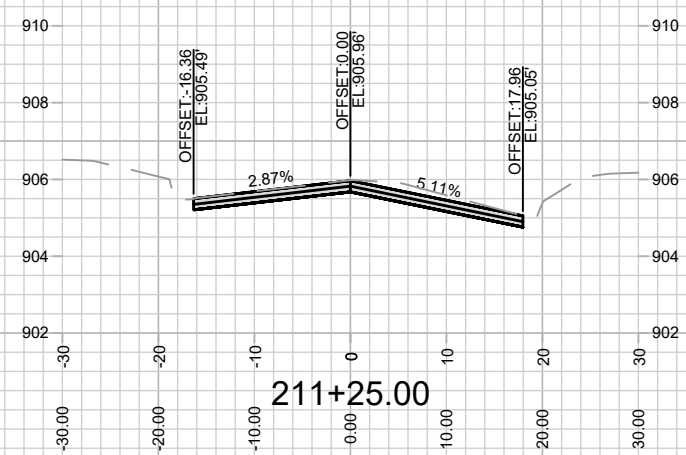
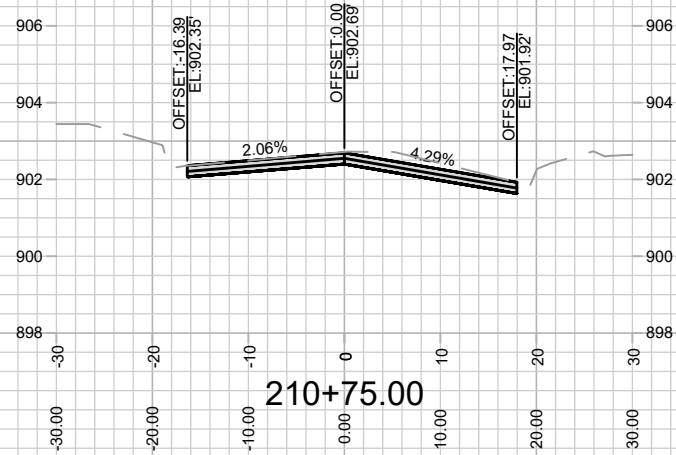
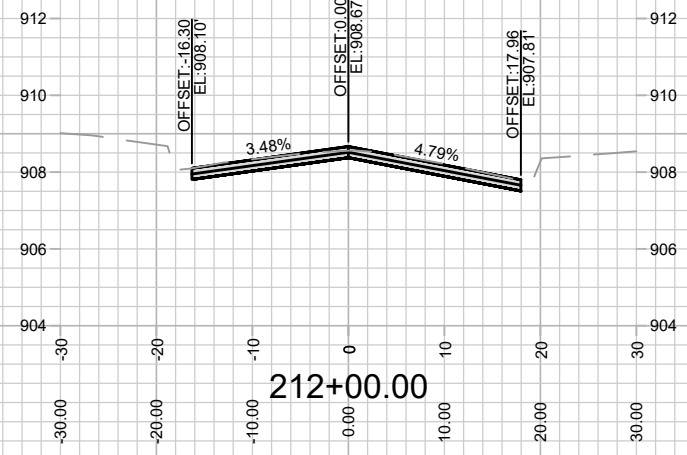
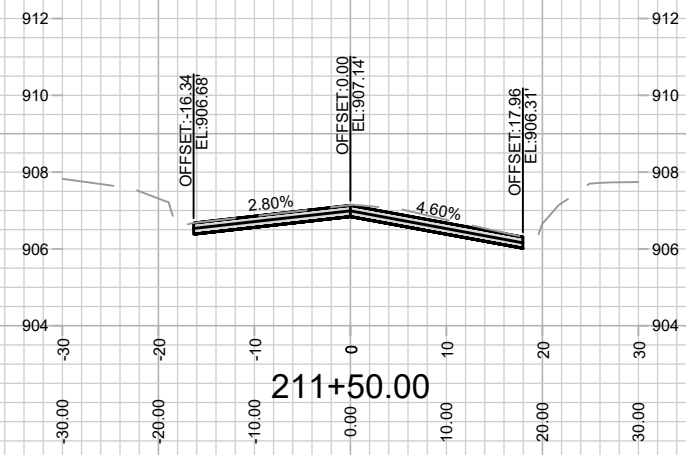
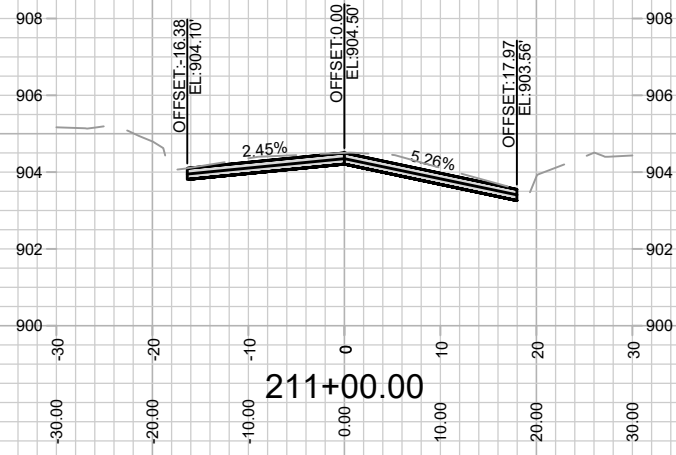
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MARK	REVISION	DATE	BY

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 HENRY STREET - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
 MADISON, WI  
 CONTRACT NO: 8746  
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 X-11

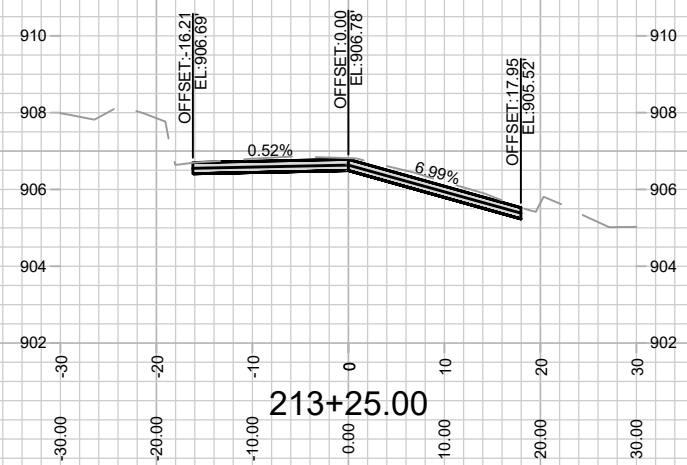
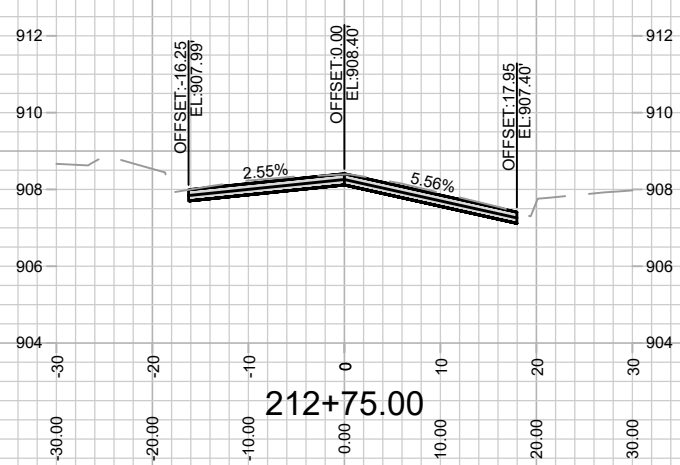
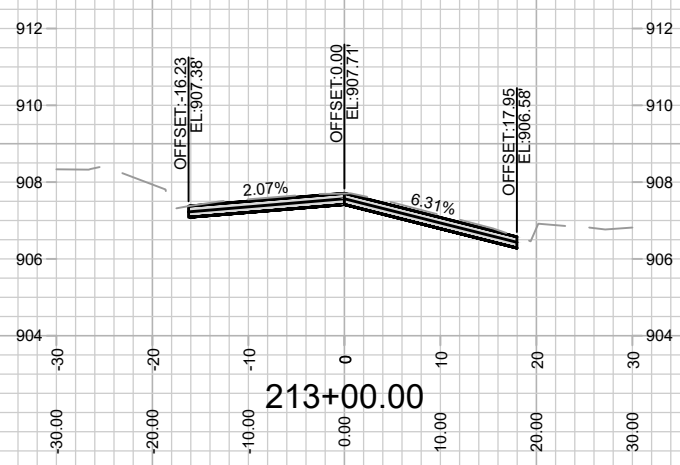
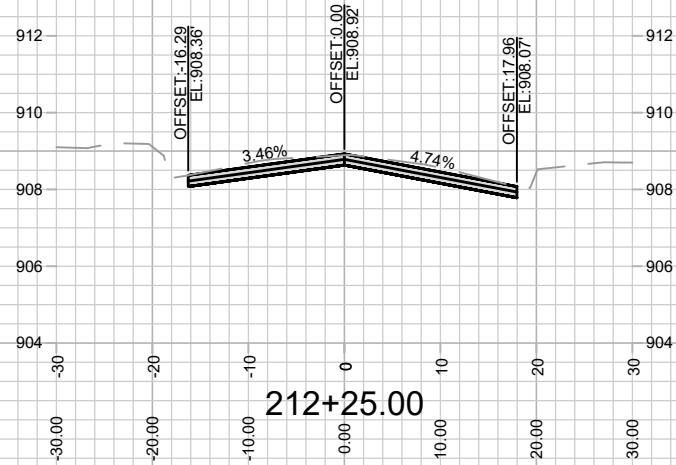
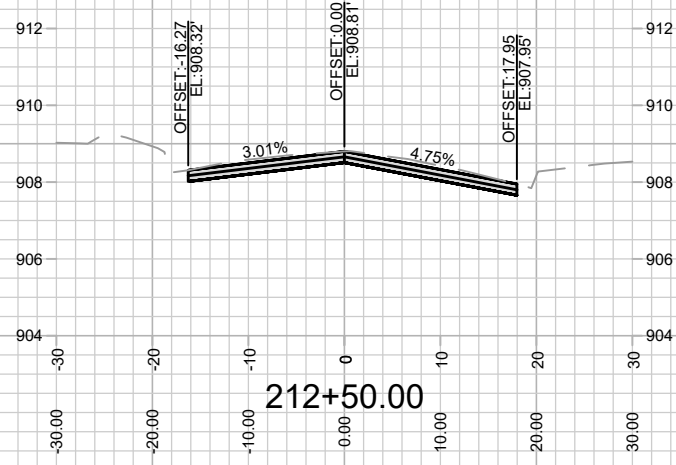
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 HENRY STREET - CROSS SECTIONS  
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING  
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14389 | X-13

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

14389  
 X-13

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