



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

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|-----------|-------------------------|
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| EC1-EC5 | EROSION CONTROL PLANS |
| P1-P3 | STREET PLAN & PROFILES |
| U1-U5 | UTILITY PLAN & PROFILES |
| U6-U7 | SANITARY SEWER SCHEDULE |
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| 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

CITY PROJECT NO. 14389

CONTRACT NO. 8746

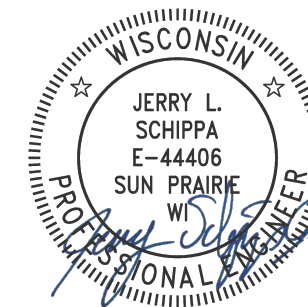
PROJECT LOCATION



EARTHWORK SUMMARY:

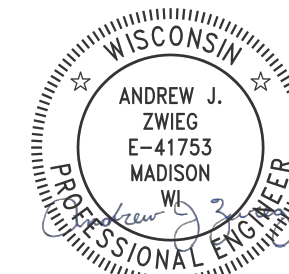
EXCAVATION CUT (MEASURED PLAN QUANTITY).....600 CY
 ESTIMATED UNDISTRIBUTED UNDERCUT.....1000 CY
 TOTAL UNCLASSIFIED EXCAVATION CUT.....1600 CY

LIGHTING
DESIGNED BY:



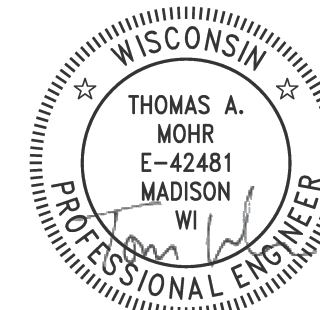
Mar 14, 2024

STREET
DESIGNED BY:



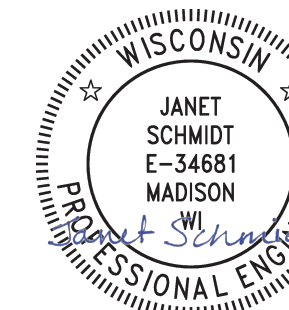
Mar 14, 2024

PAVEMENT MARKINGS
DESIGNED BY:



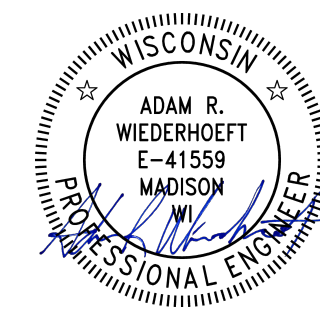
Mar 14, 2024

STORM SEWER
DESIGNED BY:



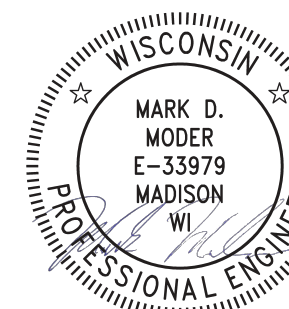
Mar 14, 2024

WATER
DESIGNED BY:



Mar 14, 2024

SANITARY SEWER
DESIGNED BY:



Mar 14, 2024

| 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.

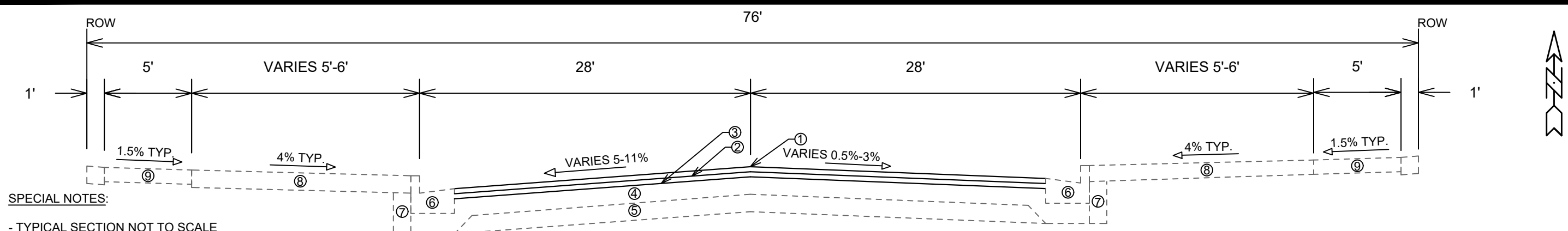
SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

PLOT SCALE: 1 IN. = 1 FT. XREF

PLOT NAME: ---

REV. DATE: 3/6/2024 2:15 PM

ORIGINATOR: CITY_OF_MADISON

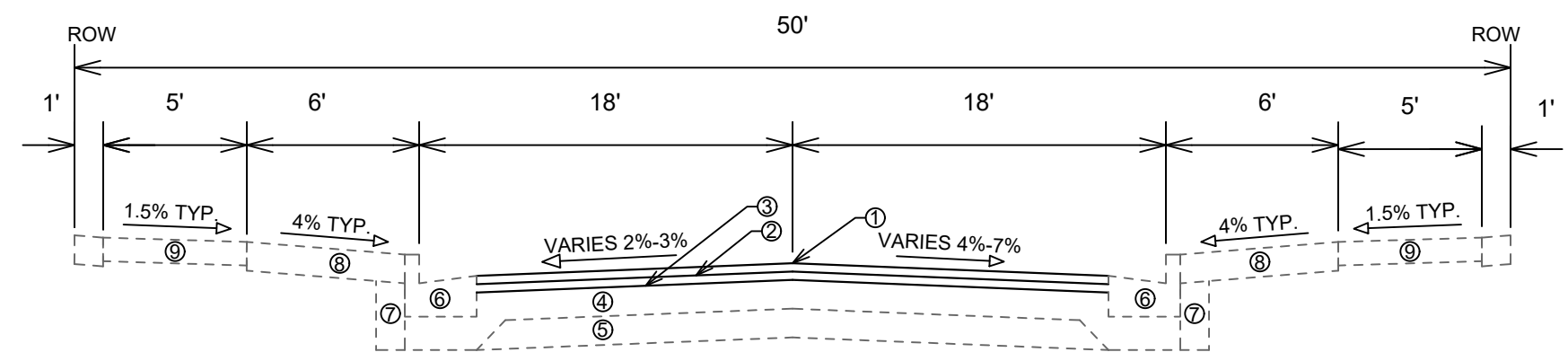


SPECIAL NOTES:

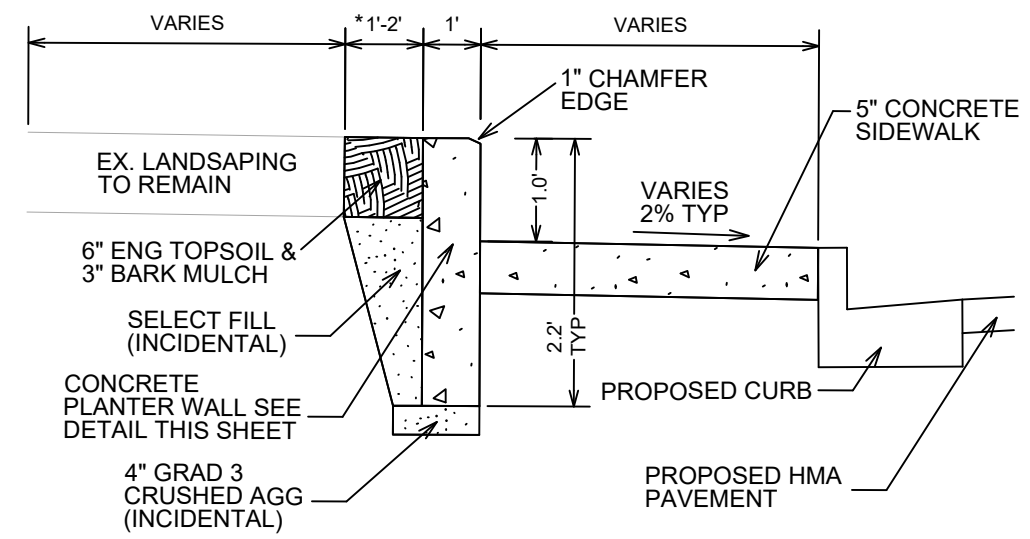
- TYPICAL SECTION NOT TO SCALE
- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS

**TYPICAL SECTION
WEST WASHINGTON AVENUE**

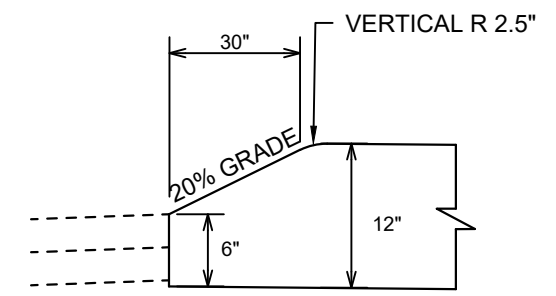
- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (UPPER LAYER, HENRY STREET)
- ③ 2" HMA PAVEMENT, TYPE 4 MT 58-28 S (UPPER LAYER, WEST WASHINGTON AVE)
- ④ 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (LOWER LAYER, HENRY STREET)
- ⑤ 2.5" HMA PAVEMENT, TYPE 3 MT 58-28 S (LOWER LAYER,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



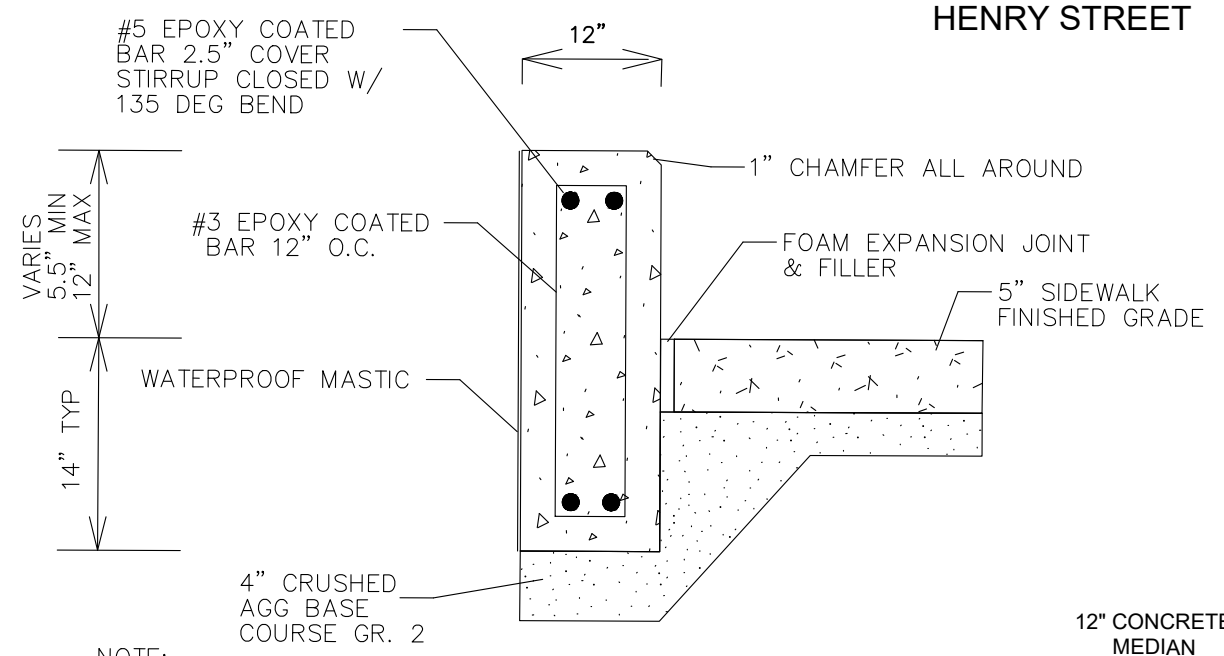
**TYPICAL SECTION
HENRY STREET**



**SIDEWALK & PLANTER DETAIL
NOT TO SCALE**



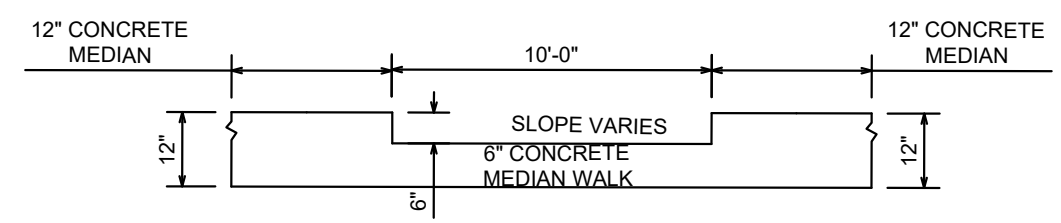
**12" MEDIAN NOSE
PROFILE VIEW
PAY AS 12" CONCRETE MEDIAN
NOT TO SCALE**



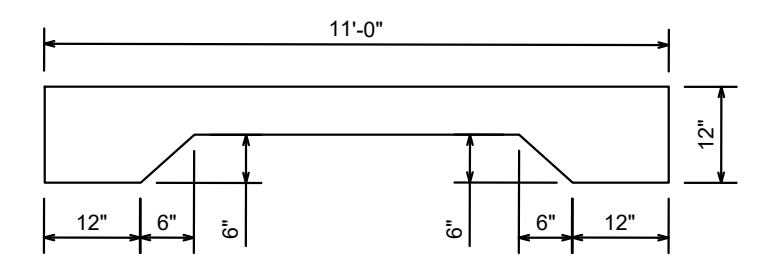
**CONCRETE PLANTER WALL DETAIL
NOT TO SCALE**

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.



**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**

| | | | |
|----------|------------------|-----------------|----------|
| DATE | BY | Scale: NTS | D-1 |
| REVISION | | | |
| MARK | DESIGNED BY: MFG | DATE: 3/13/2024 | 10:23 AM |
| 14389 | 14389 | 8746 | 14389 |

NOTES AND DETAILS

14389

WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING

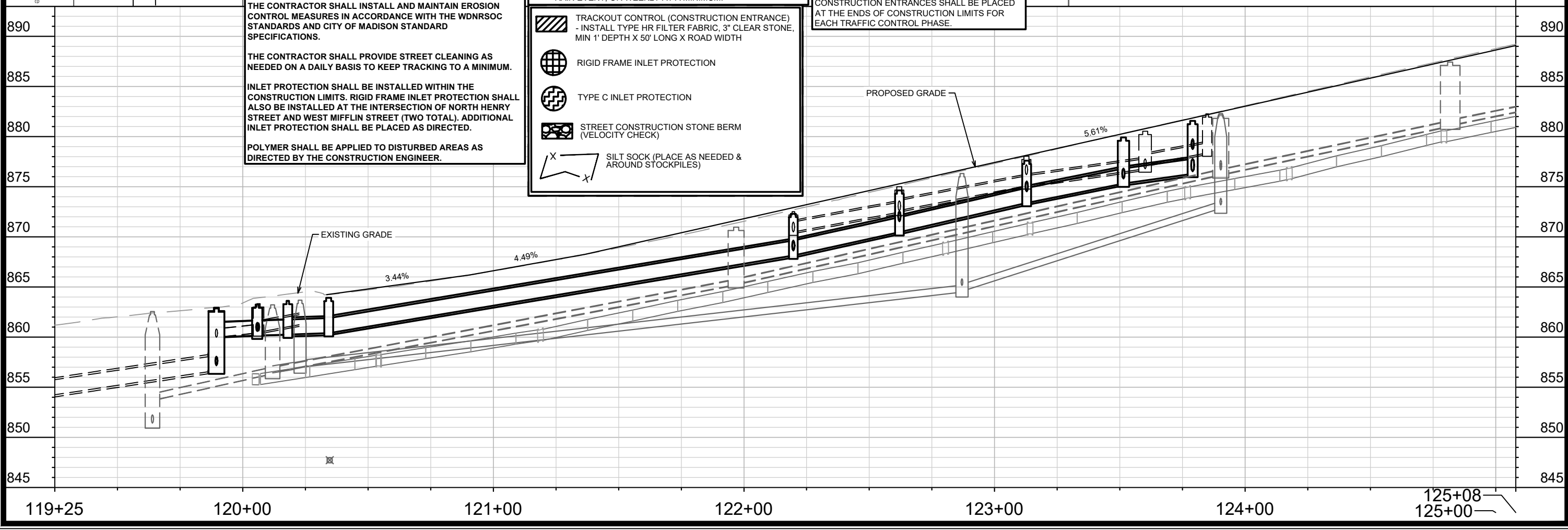
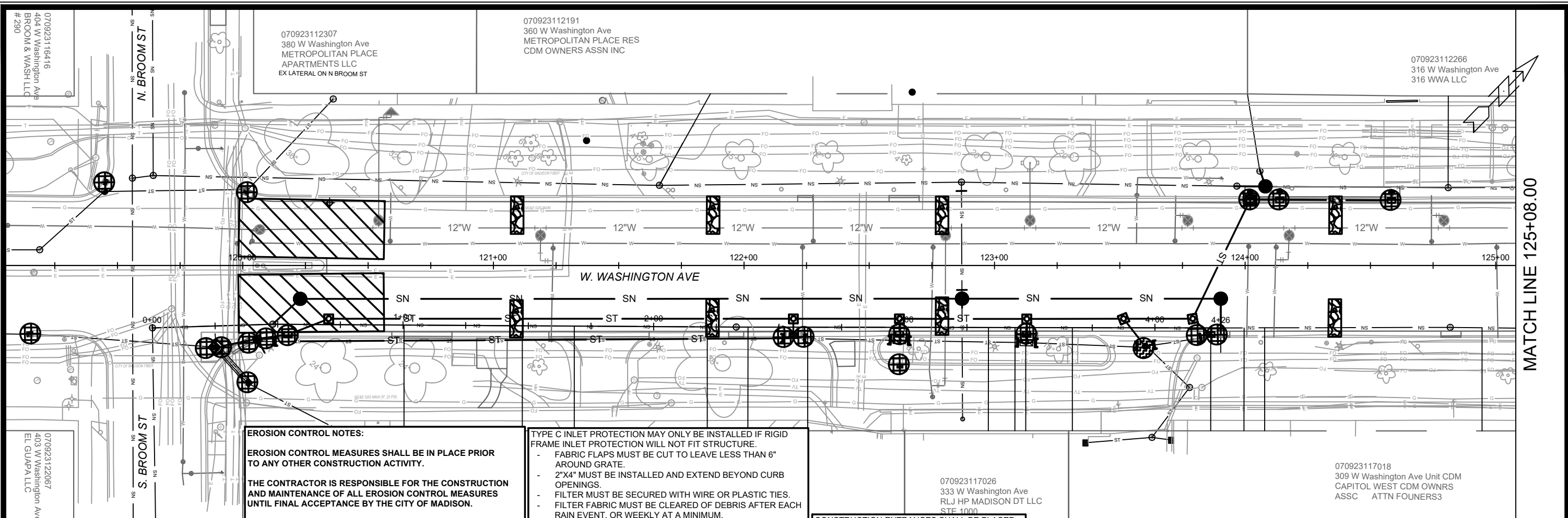
MADISON, WI

CONTRACT NO: 8746

M:\DESIGN\Projects\14389\CAD\Streets\14389EN-Details.dwg

14389

D-1



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.

MATCH LINE 125+08.00

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

070923116416
404 W Washington Ave
BROOM & WASH LLC
290

070923122067
403 W Washington Ave
EL GUAPA LLC

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

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

| | | | | | |
|---|-------------|------|--------------|-------|------|
| 14389 | MADISON, WI | 8746 | CONTRACT NO: | 14389 | EC-1 |
| | | | | | |
| <p>EROSION CONTROL PLAN - W. WASHINGTON AVE (SOUTH SIDE)</p> <p>W. WASHINGTON AVENUE & HENRY STREET RESURFACING</p> | | | | | |
| <p>M:\DESIGN\Projects\14389\CAD\Drawings\14389SWR-ErosionControl.dwg</p> | | | | | |
| <p>14389</p> <p>EC-1</p> | | | | | |

MATCH LINE 125+08.00

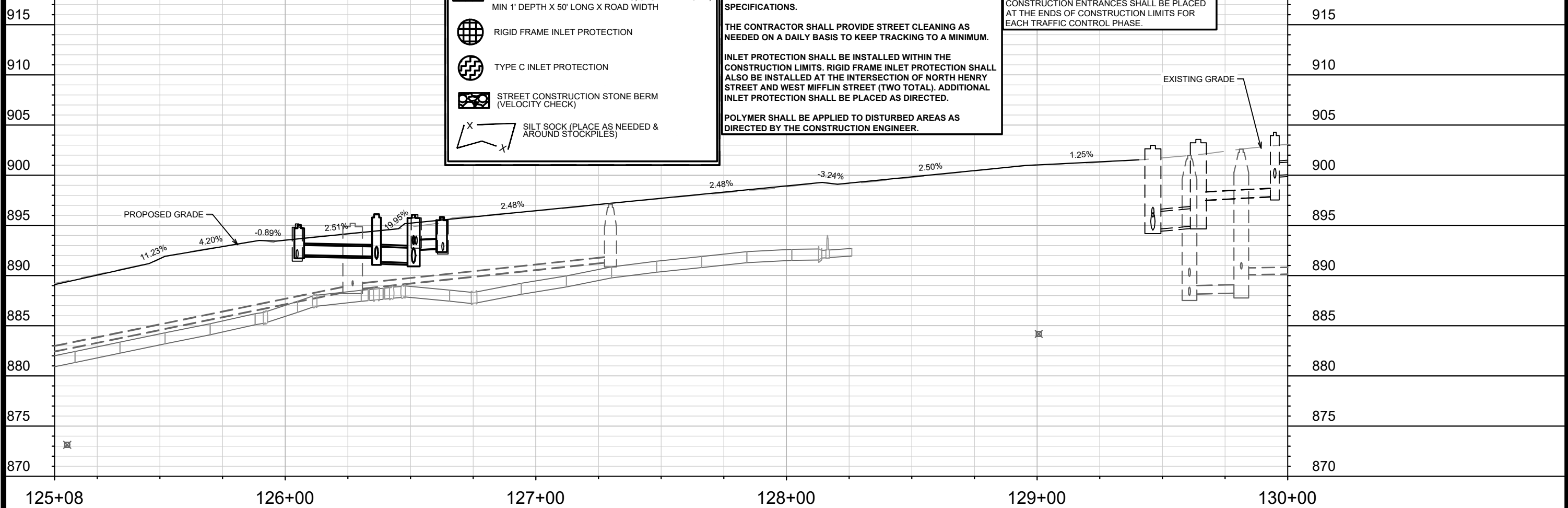
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10 N Henry St
FREEDOM FROM RELIGION
FOUNDATION INC
EX LATERAL ON N HENRY ST

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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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)

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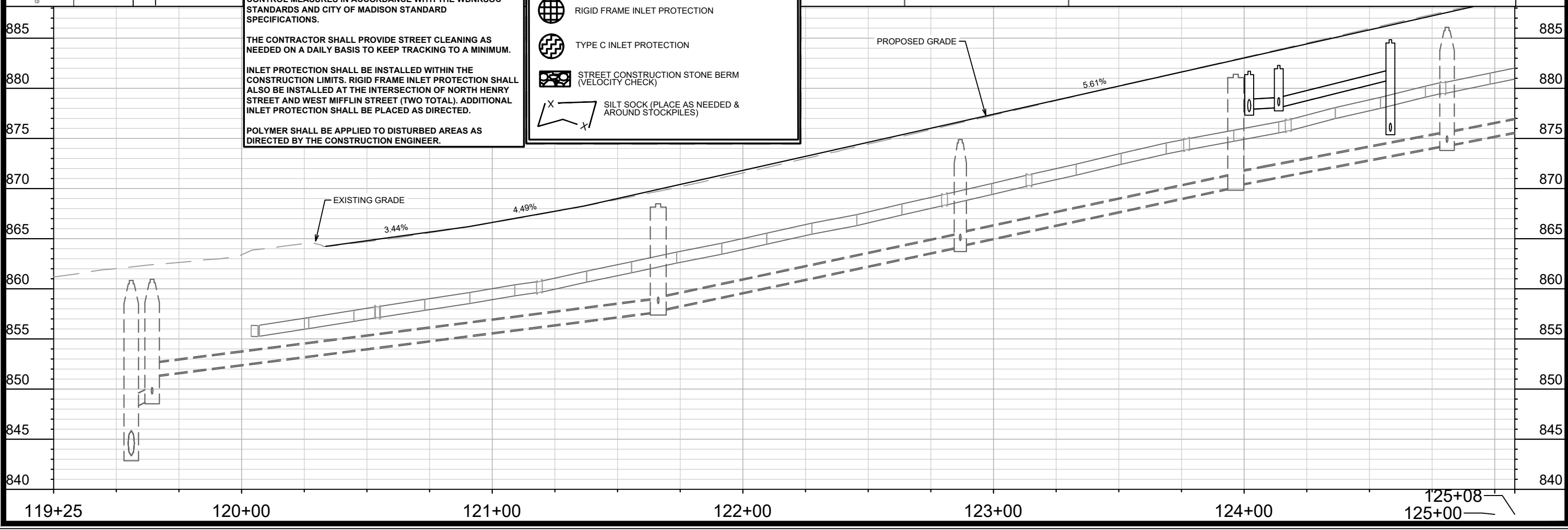
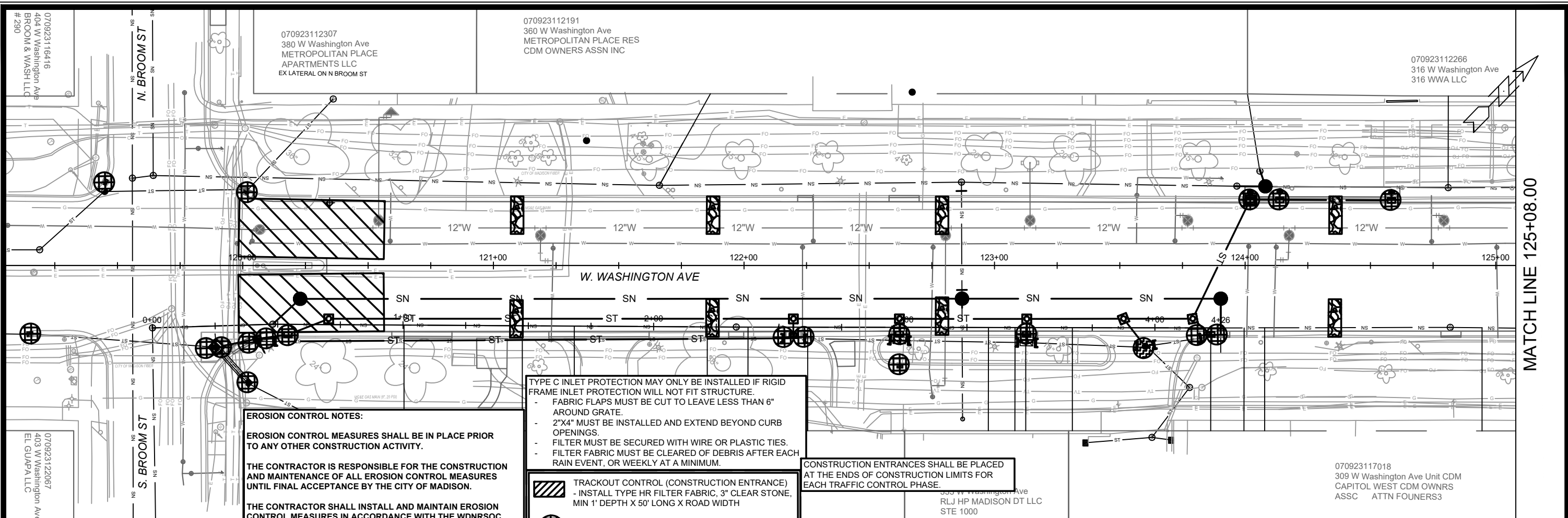
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

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

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

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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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

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| Designed By: EAC | Date: 3/6/2024 2:32 PM |
| 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

MATCH LINE 125+08.00

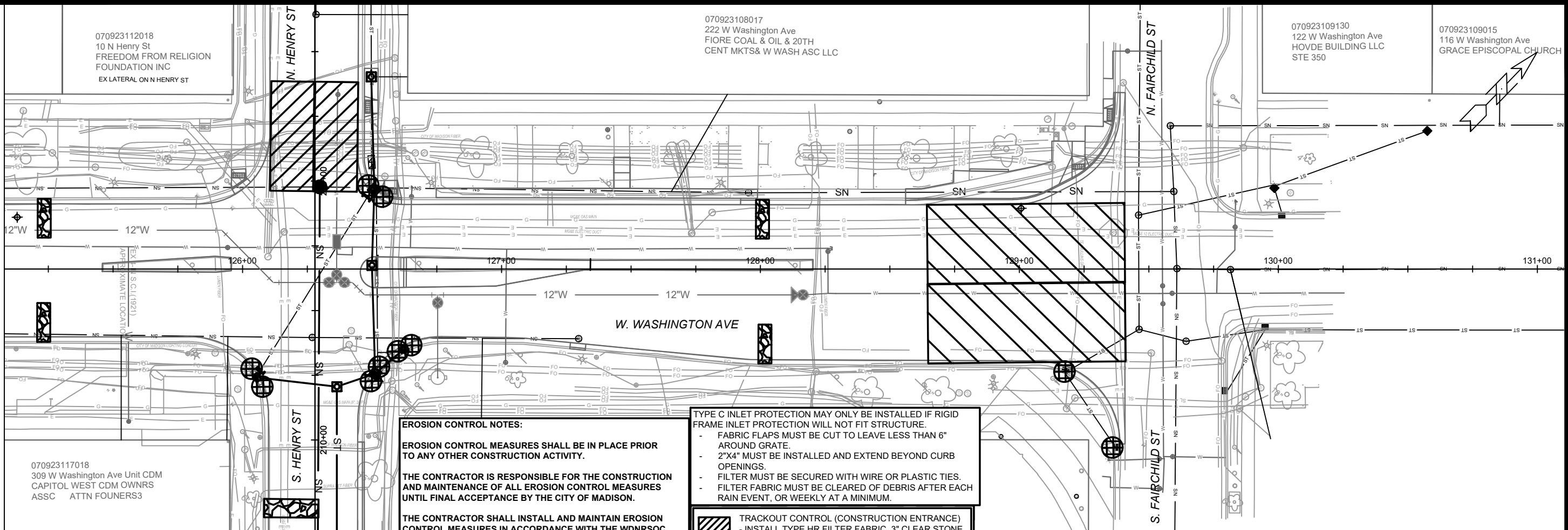
070923112018
10 N Henry St
FREEDOM FROM RELIGION
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CENT MKTS& W WASH ASC LLC

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122 W Washington Ave
HOVDE BUILDING LLC
STE 350

070923109015
116 W Washington Ave
GRACE EPISCOPAL CHURCH

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309 W Washington Ave Unit CDM
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ASSC ATTN FOUNERS3



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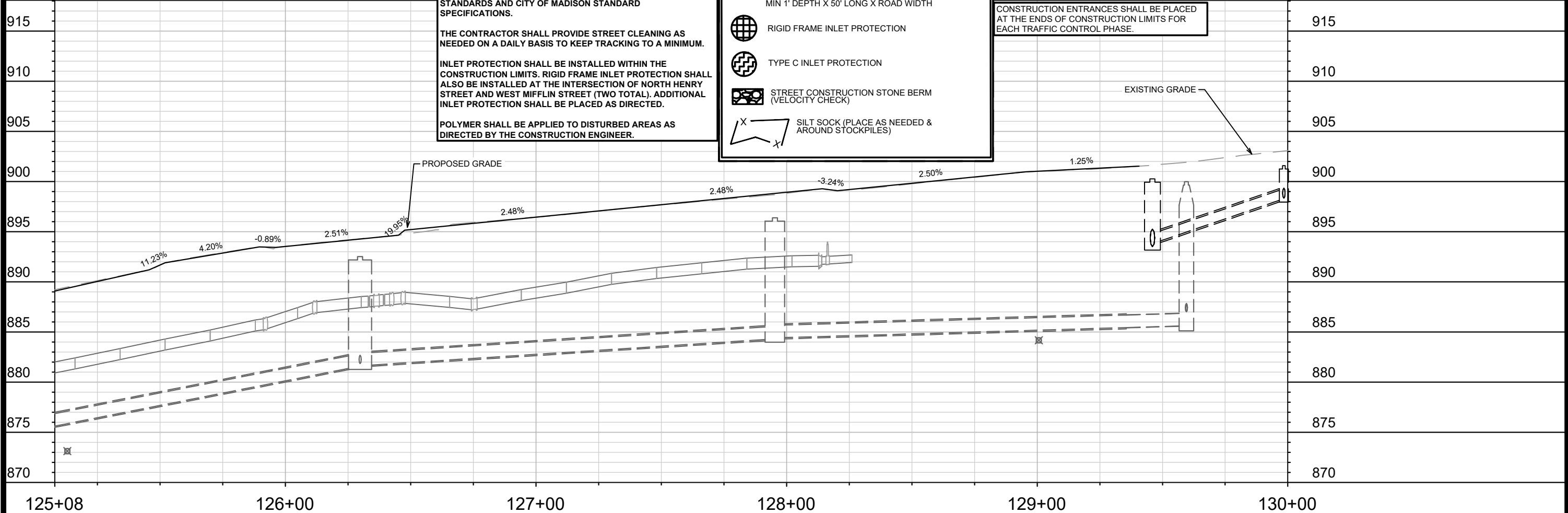
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LEGEND:

- TRACKOUT CONTROL (CONSTRUCTION ENTRANCE) - INSTALL TYPE HR FILTER FABRIC, 3" CLEAR STONE, MIN 1' DEPTH X 50' LONG X ROAD WIDTH
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| DATE | BY |
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| DESIGNED BY: EAC | DATE: 3/6/2024 2:32 PM |
| MARK | 14389 |
| Scale: | 1" = 40' |
| EC-4 | |

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

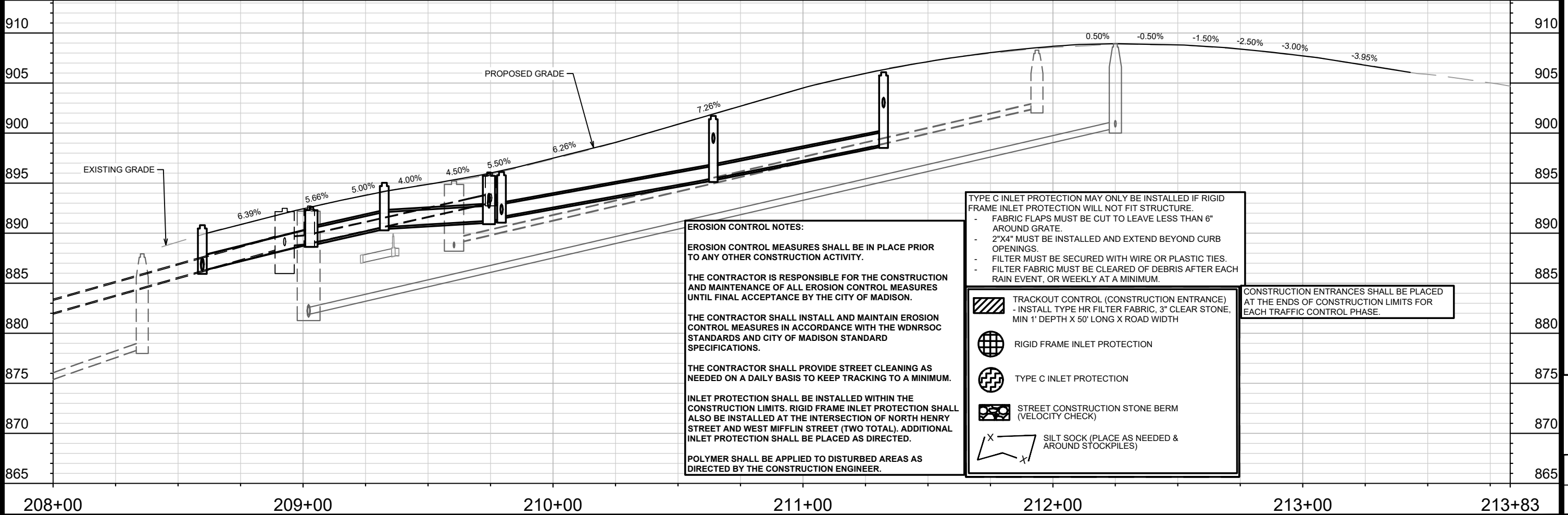
N. HENRY ST

S. HENRY ST

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 OWNERS
 ASSC ATTN FOUNERS3
 EX LATERAL ON W WASHINGTON AVE

070923117224
 306 W Main St
 306 APARTMENTS LLC



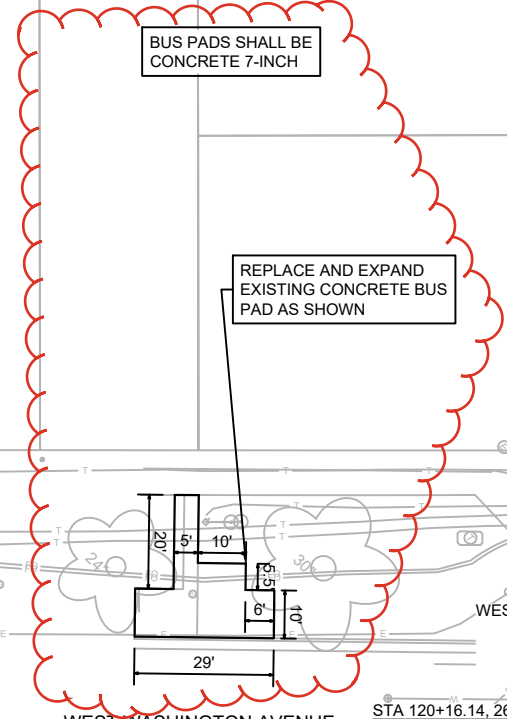
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| 14389 | Designed By: EAC | Date: 3/6/2024 2:32 PM | Scale: 1" = 40' |

14389
 MADISON, WI
 WASHINGTON AVENUE & HENRY STREET RESURFACING
 CONTRACT NO.: 8746
 EC-5

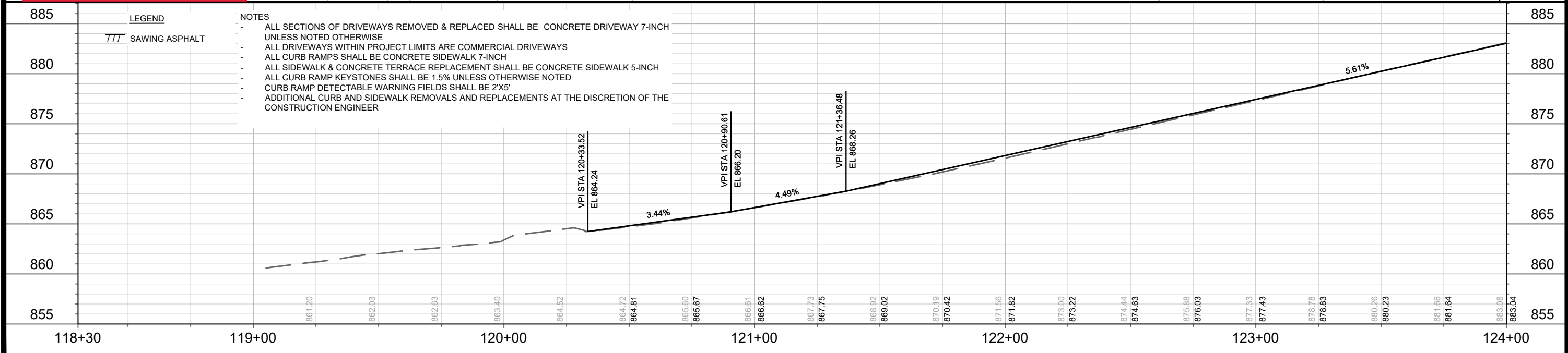
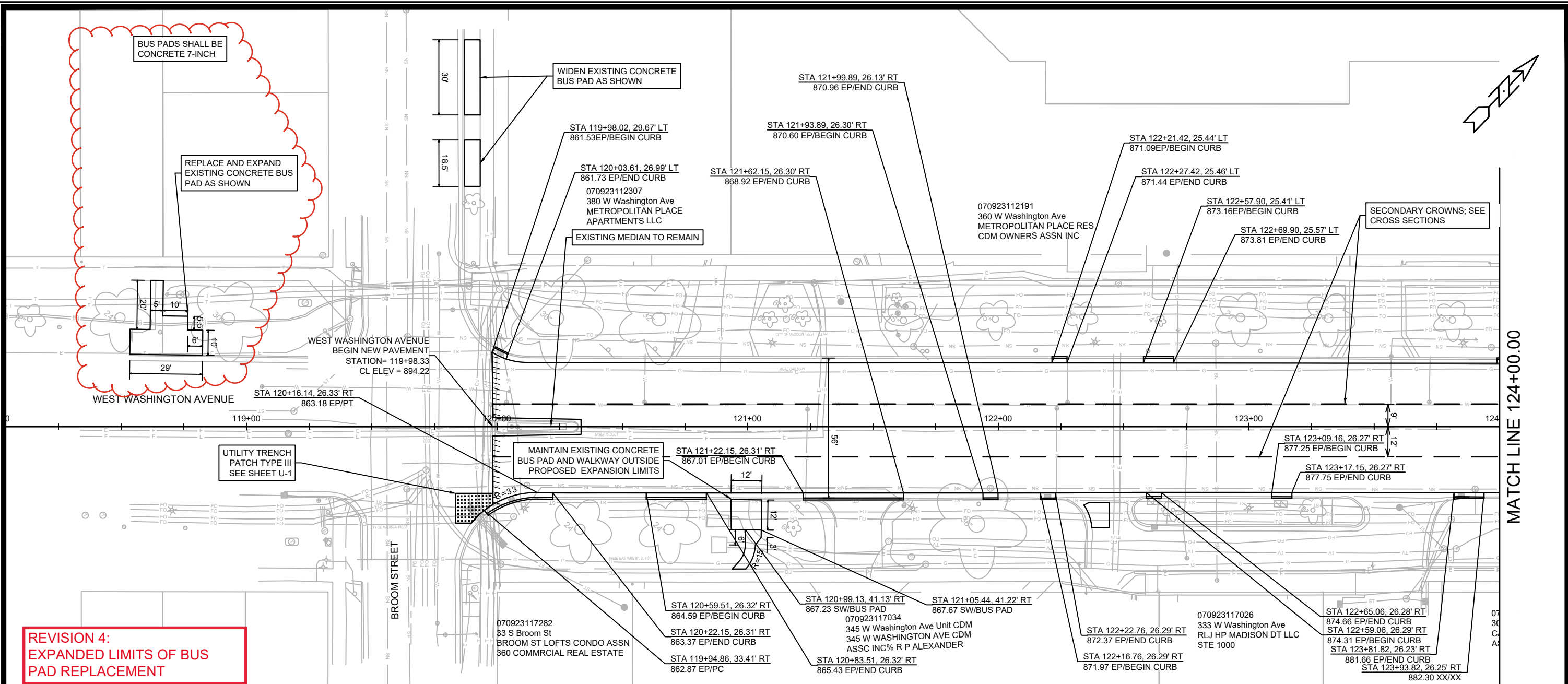
EROSION CONTROL PLAN - HENRY ST

14389
 EC-5





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



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

14389

MADISON, WI

8746

CONTRACT NO:

14389

PLAN & PROFILE WEST WASHINGTON AVENUE

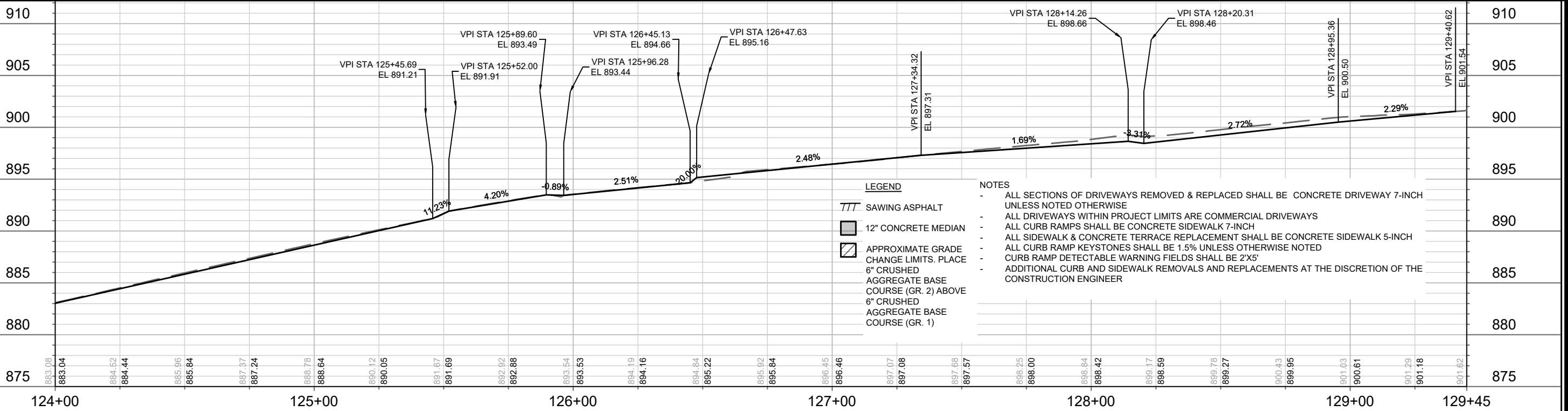
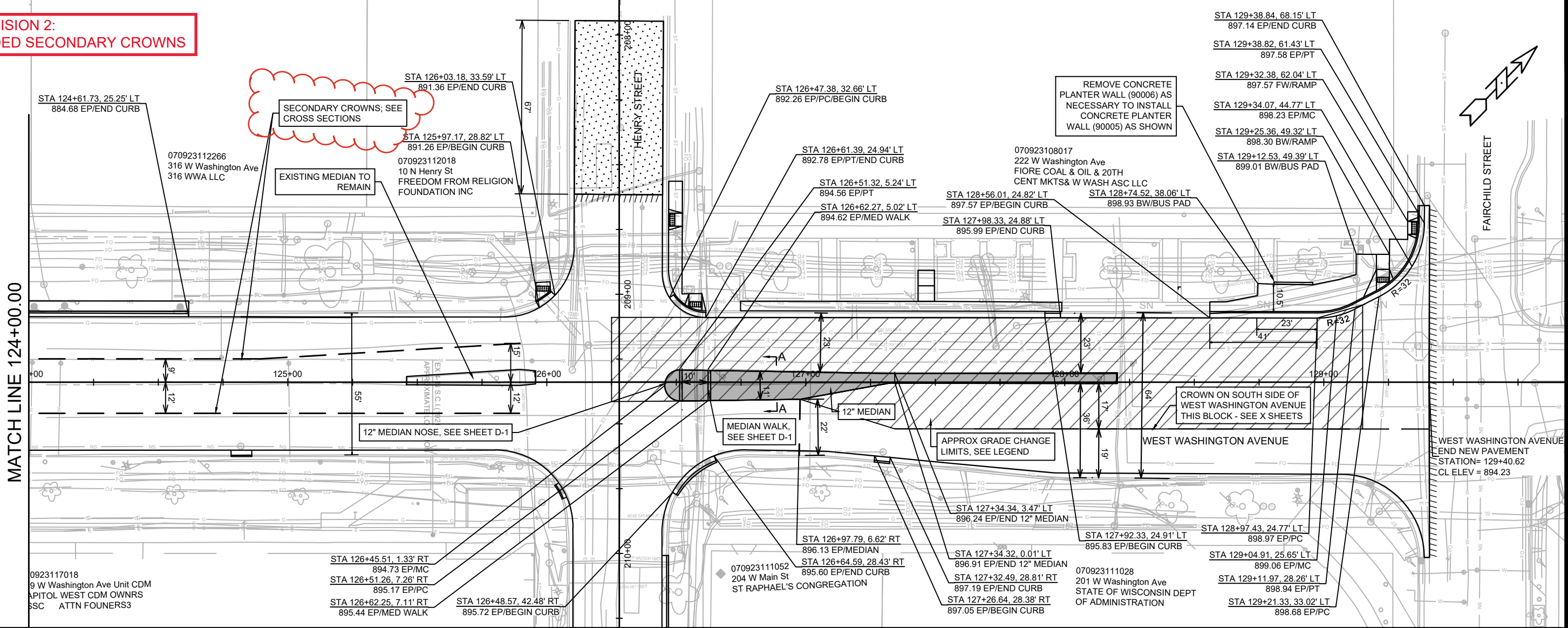
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING

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14389

P-1

**REVISION 2:
ADDED SECONDARY CROWNS**



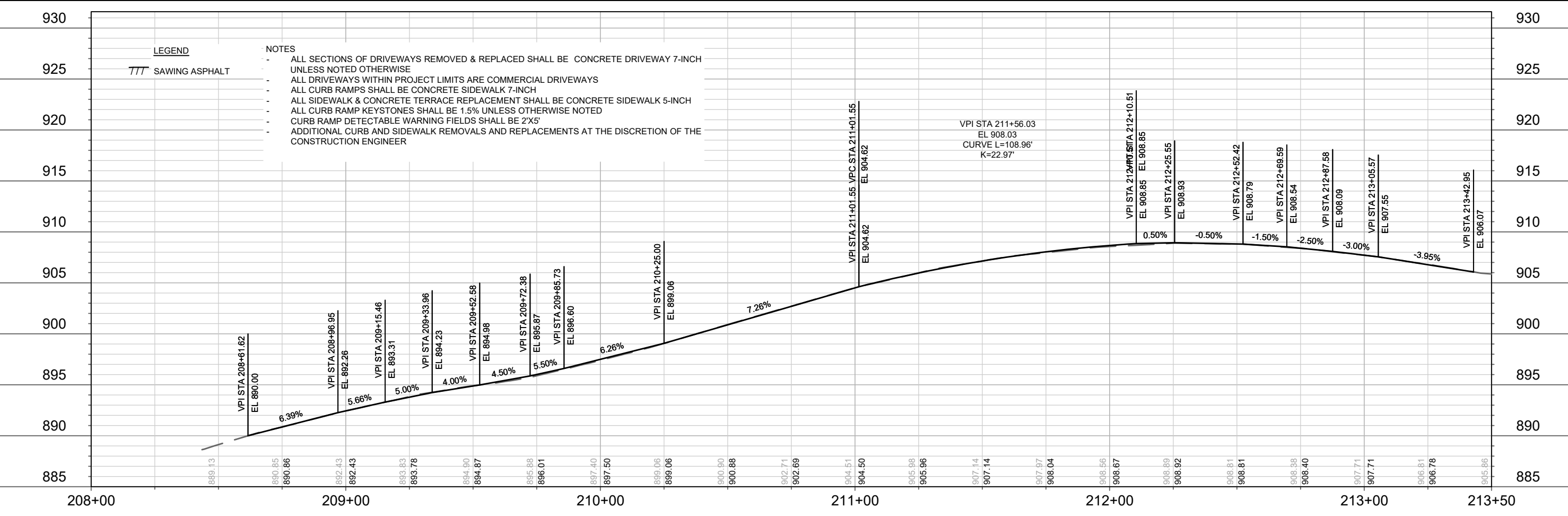
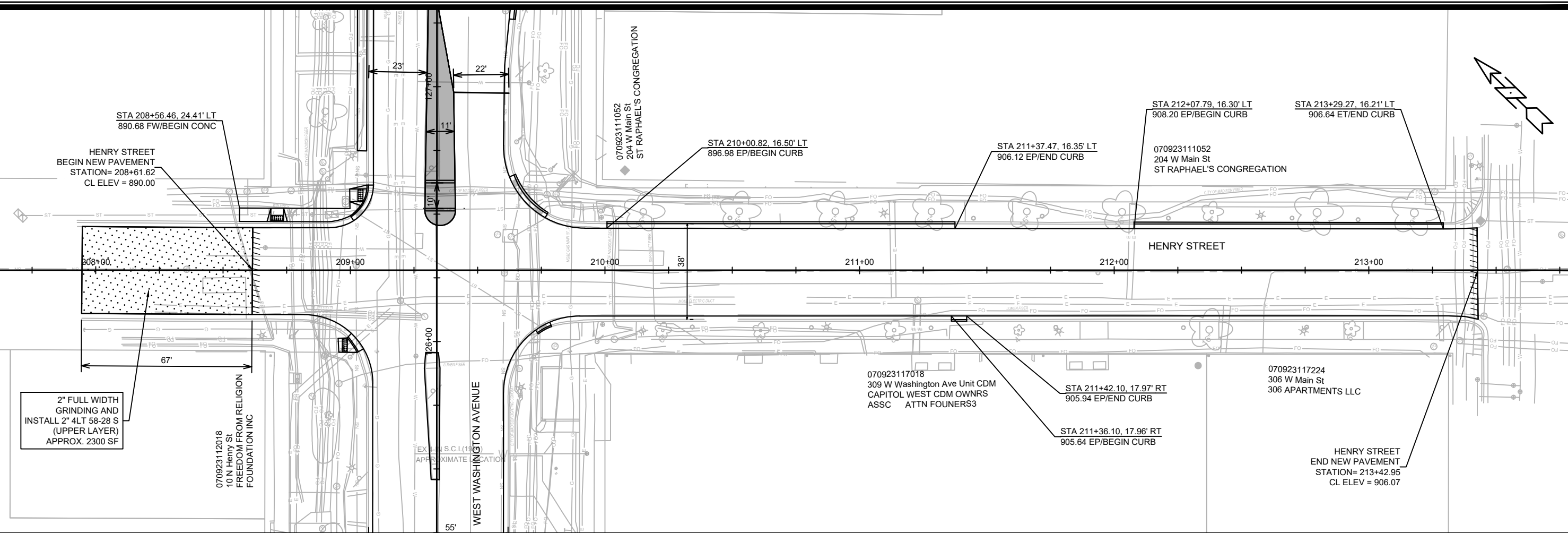
- LEGEND**
- /// SAWING ASPHALT
 - ▬ 12" CONCRETE MEDIAN
 - ▨ APPROXIMATE GRADE CHANGE LIMITS. PLACE 6" CRUSHED AGGREGATE BASE COURSE (GR. 2) ABOVE 6" CRUSHED AGGREGATE BASE COURSE (GR. 1)
- NOTES**
- ALL SECTIONS OF DRIVEWAYS REMOVED & REPLACED SHALL BE CONCRETE DRIVEWAY 7-INCH UNLESS NOTED OTHERWISE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

| | |
|-----------------|---|
| DATE | 11/15/24 |
| REVISION | |
| MARK | |
| DESIGNED BY | MFG |
| DATE | 07/18/2024 11:58 AM |
| SCALE | 1" = 40' |
| PROJECT NO. | 14389 |
| CONTRACT NO. | 8746 |
| PROJECT NAME | MADISON, WI |
| PROJECT ADDRESS | WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING |
| PROJECT NUMBER | 14389 |
| PROJECT SHEET | P-2 |

14389
MADISON, WI
CONTRACT NO.: 8746

PLAN & PROFILE WEST WASHINGTON AVENUE
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
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P-2



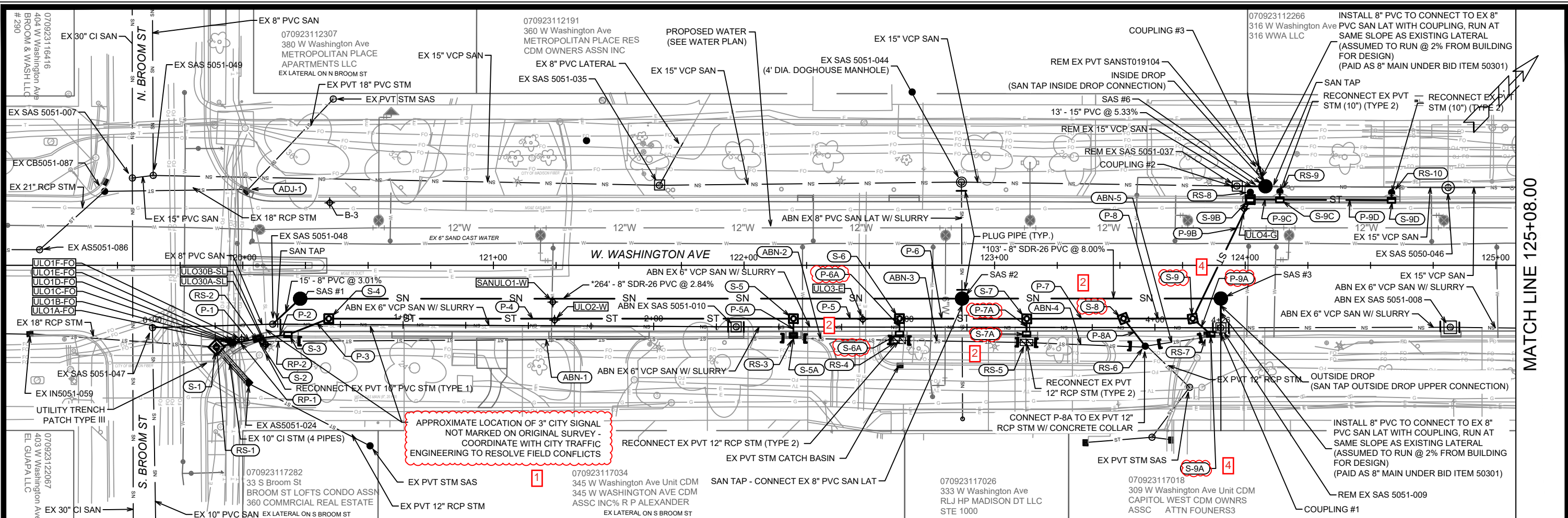


LEGEND
 SAWING ASPHALT

NOTES
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 ALL DRIVEWAYS WITHIN PROJECT LIMITS ARE COMMERCIAL DRIVEWAYS
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 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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| DATE | BY |
| REVISION | |
| DESIGNED BY: MFG | DATE: 3/6/2024 2:33 PM |
| 14389 | 14389 |

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

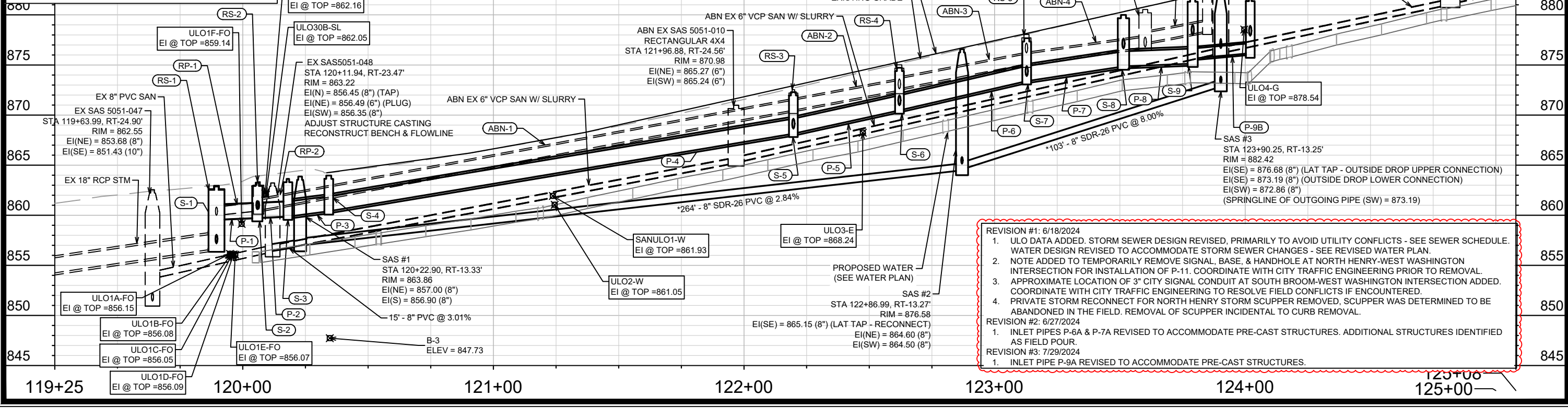


* SEWER MAIN AND LATERALS SHALL CONFORM TO ASTM D3034 SPECIFICATION FOR SDR-26

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



- 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 #3: 7/29/2024
- INLET PIPE P-9A REVISED TO ACCOMMODATE PRE-CAST STRUCTURES.

MATCH LINE 125+08.00

| | | | | | |
|---|-----|------|---------|----|-----|
| 1 | U-1 | DATE | 6/18/24 | BY | U-1 |
| 2 | U-1 | DATE | 6/27/24 | BY | U-1 |
| 3 | U-1 | DATE | 7/29/24 | BY | U-1 |
| 4 | U-1 | DATE | 7/29/24 | BY | U-1 |

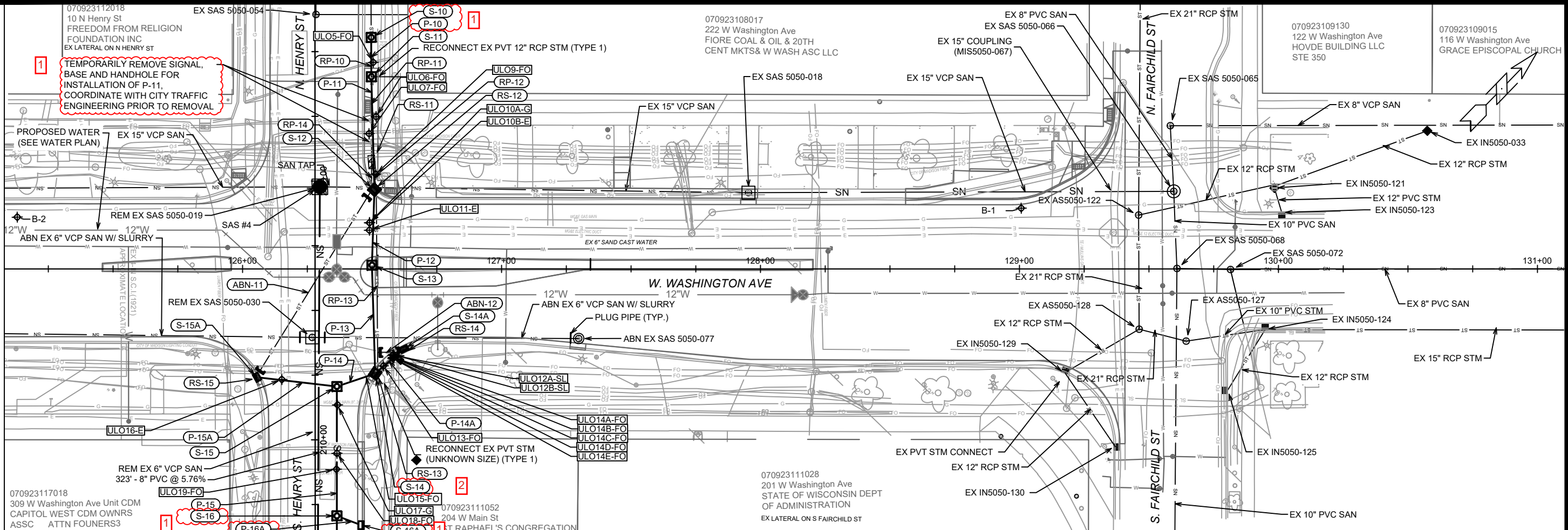
14389
MADISON, WI
CONTRACT NO.: 8746

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

City of Madison Wisconsin logo

14389
U-1

MATCH LINE 125+08.00

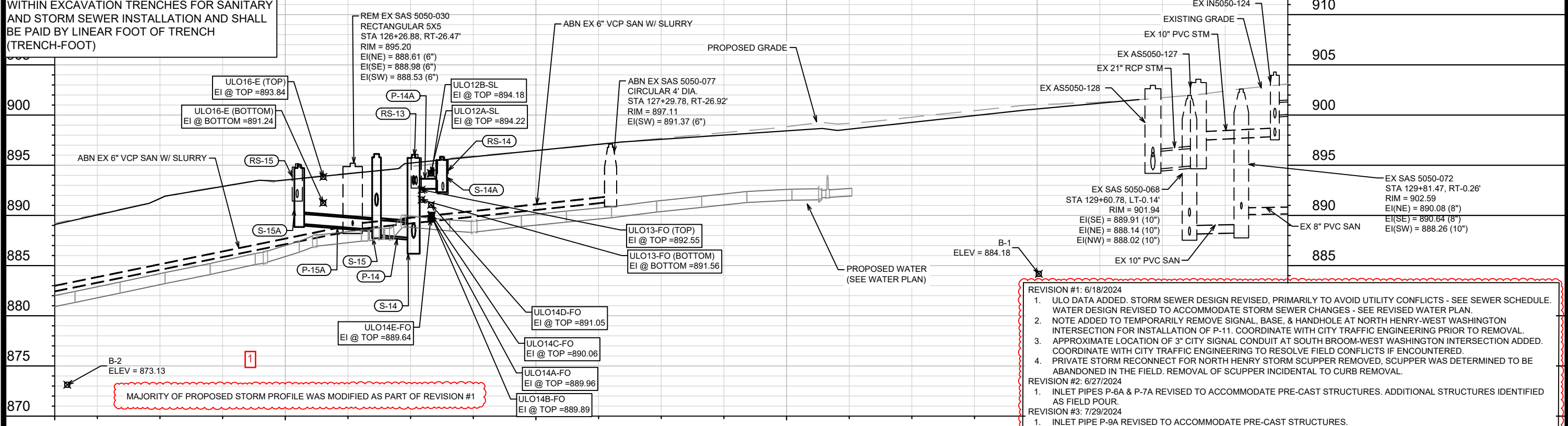


* SEWER MAIN AND LATERALS SHALL CONFORM TO ASTM D3034 SPECIFICATION FOR SDR-26

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\"/>



125+08 126+00 127+00 128+00 129+00 130+00

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\"/>

REVISION #2: 6/27/2024

- INLET PIPES P-6A & P-7A REVISED TO ACCOMMODATE PRE-CAST STRUCTURES. ADDITIONAL STRUCTURES IDENTIFIED AS FIELD POUR.

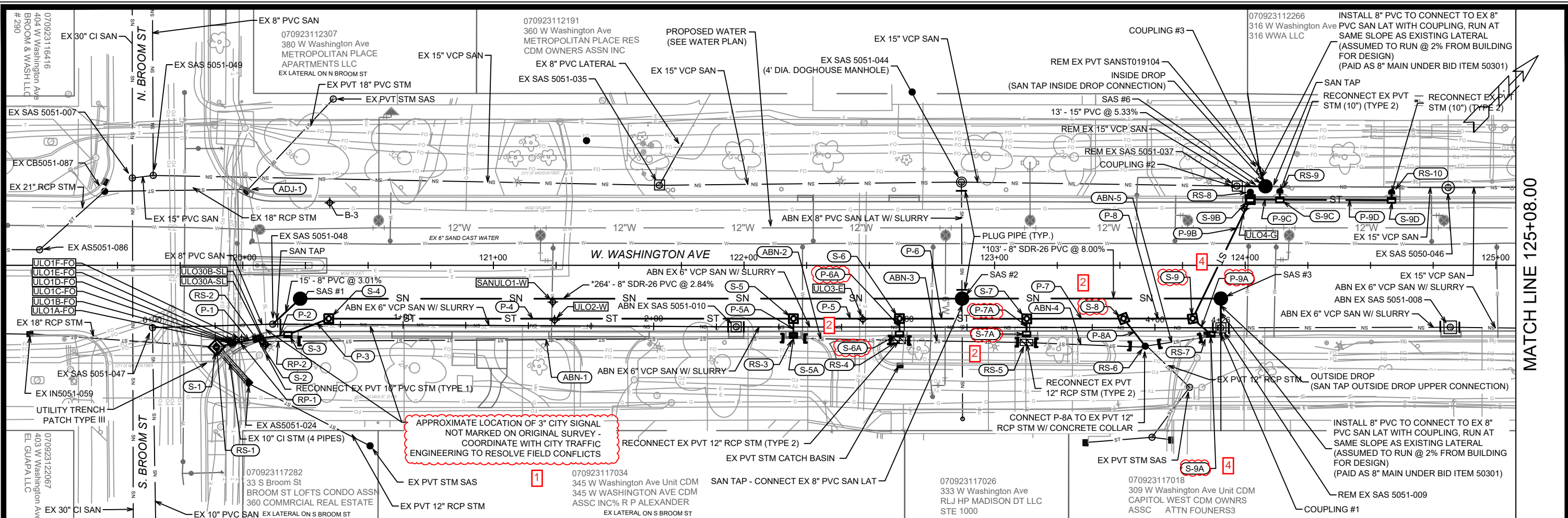
REVISION #3: 7/29/2024

- INLET PIPE P-9A REVISED TO ACCOMMODATE PRE-CAST STRUCTURES.

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|---|-----------------------|-------------------------|-----------------|
| 4 | STORM INLET REVISIONS | 7/29/24 | EAC |
| 2 | STORM INLET REVISIONS | 6/27/24 | EAC |
| 1 | ULO DATA & NOTES | 6/18/24 | EAC |
| | REVISION | | BY |
| | | Date: 7/29/2024 9:50 AM | Scale: 1" = 40' |
| | MARK | 14389 | U-2 |

14389
 MADISON, WI
 W. WASHINGTON AVENUE & HENRY STREET RESURFACING
 CONTRACT NO.: 8746

14389
 U-2

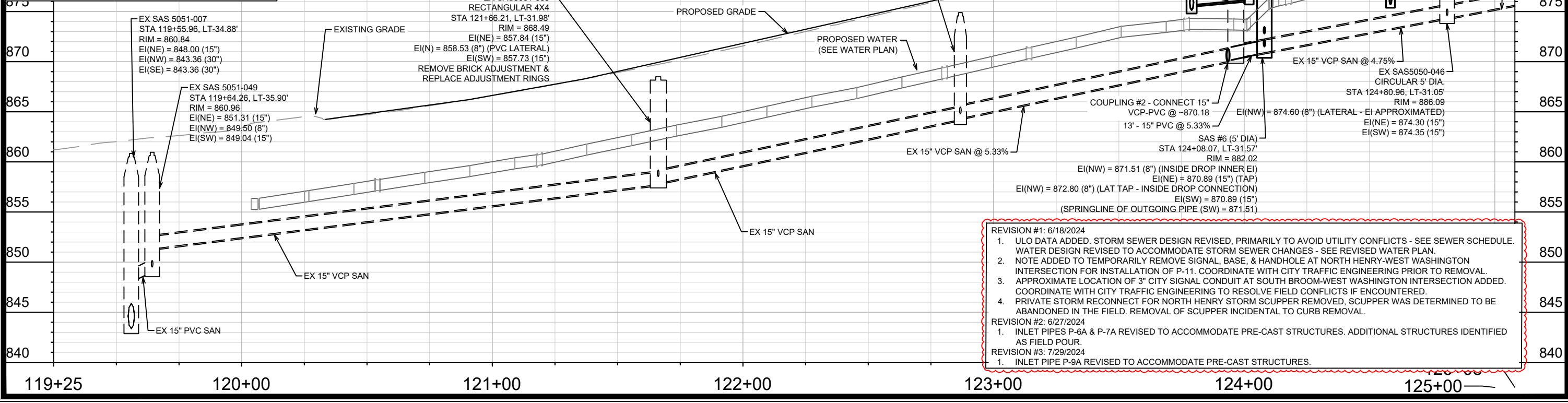


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NOTE: EXISTING SANITARY LATERALS CONNECTED TO SOUTHEASTERN 6\"/>

NOTE: EXISTING 15\"/>



- 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.
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|---|-----------------------|---------|-----|-------|-------|-----|
| 1 | STORM INLET REVISIONS | 7/29/24 | EAC | 14389 | 14389 | U-3 |
| 2 | STORM INLET REVISIONS | 6/27/24 | EAC | | | |
| 3 | ULO DATA & NOTES | 6/18/24 | EAC | | | |
| 4 | REVISION | DATE | BY | | | |

Scale: 1" = 40'

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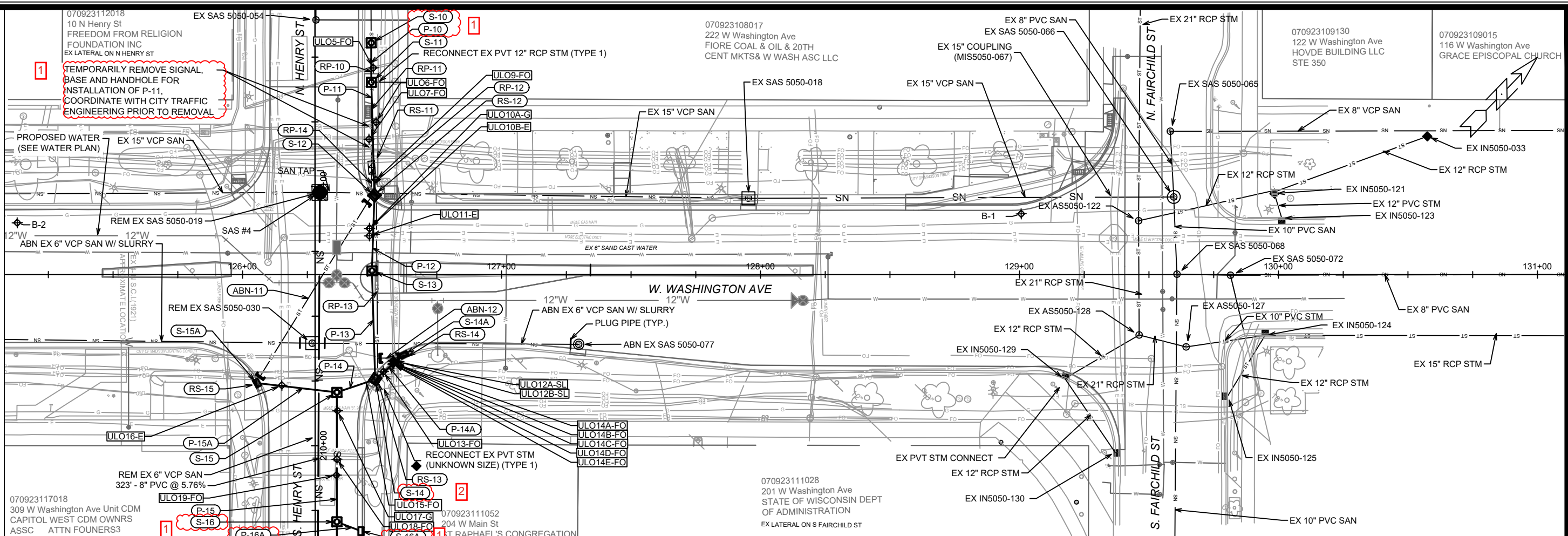
MADISON, WI

MADISON AVENUE & HENRY STREET RESURFACING

CONTRACT NO: 8746

U-3

MATCH LINE 125+08.00

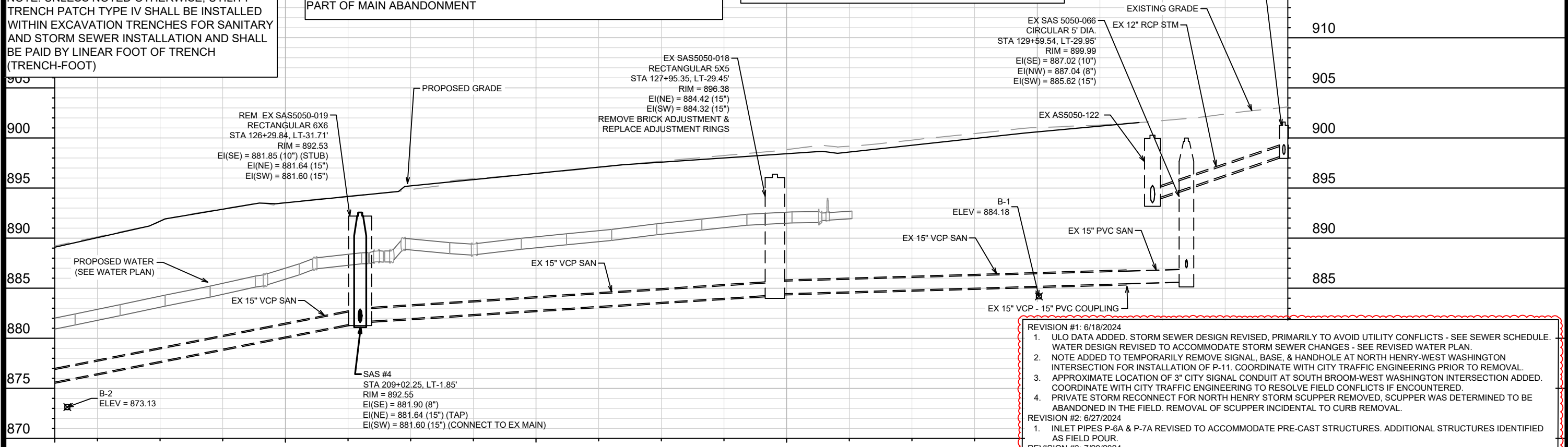


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NOTE: EXISTING 15" VCP SANITARY MAIN ON THE NORTHWESTERN SIDE OF WEST WASHINGTON AVE. WILL BE CIPP-UV LINED DURING A FUTURE CITY PROJECT



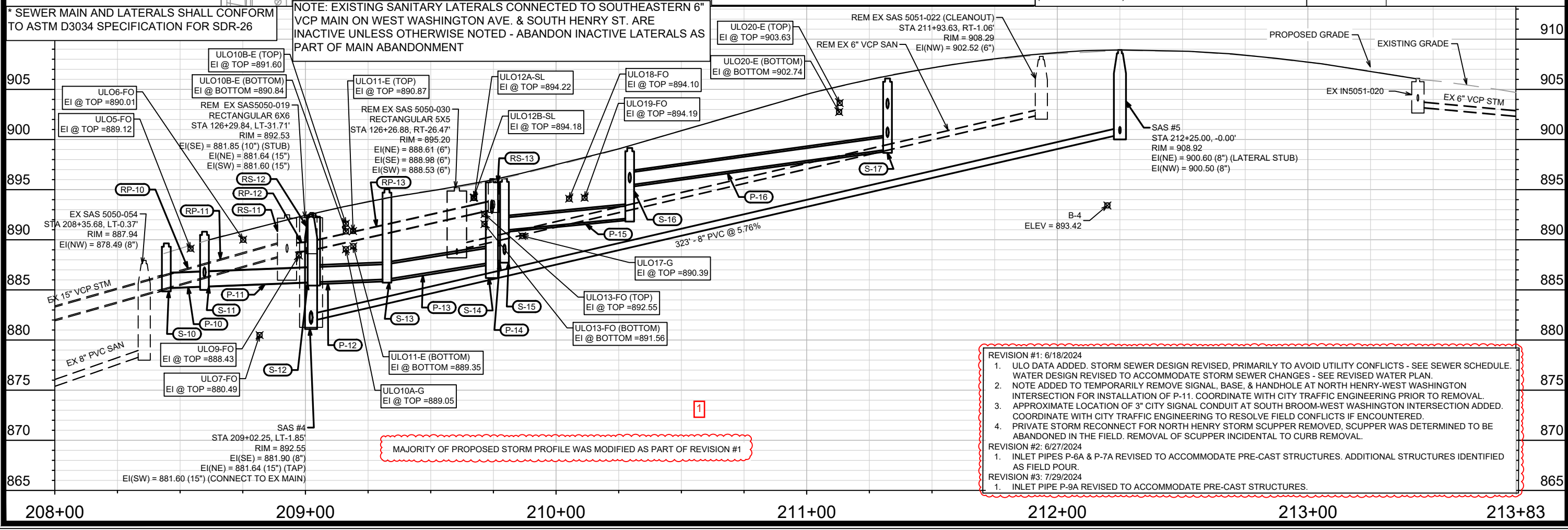
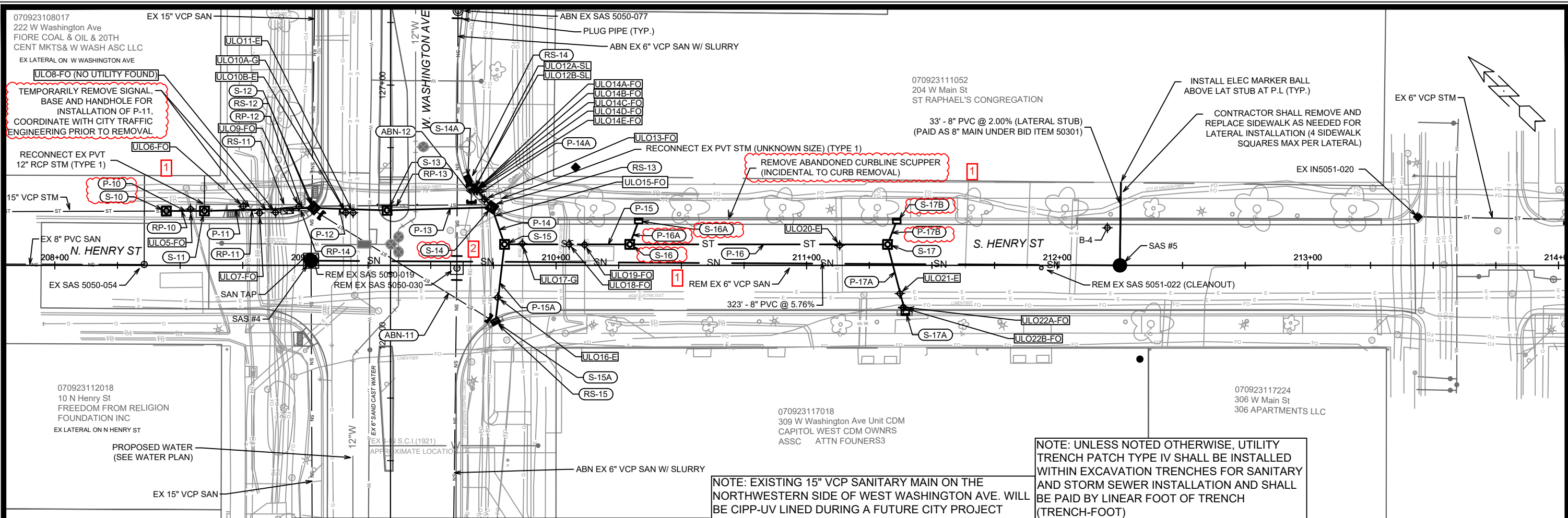
- REVISION #1: 6/18/2024
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- REVISION #3: 7/29/2024
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|---|-----------------------|---------|-----|
| 4 | STORM INLET REVISIONS | 7/29/24 | EAC |
| 2 | STORM INLET REVISIONS | 6/27/24 | EAC |
| 1 | ULO DATA & NOTES | 6/18/24 | EAC |
| | REVISION | | BY |
| | DATE | | |
| | Scale: 1" = 40' | | |

14389
 MADISON, WI
 WASHINGTON AVENUE & HENRY STREET RESURFACING
 CONTRACT NO.: 8746
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14389
 U-4



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

07092311052
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

TEMPORARILY REMOVE SIGNAL, BASE AND HANDHOLE FOR INSTALLATION OF P-11. COORDINATE WITH CITY TRAFFIC ENGINEERING PRIOR TO REMOVAL.

RECONNECT EX PVT 12" RCP STM (TYPE 1)

REMOVE ABANDONED CURBLINE SCUPPER (INCIDENTAL TO CURB REMOVAL)

INSTALL ELEC MARKER BALL ABOVE LAT STUB AT P.L. (TYP.)

CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERAL INSTALLATION (4 SIDEWALK SQUARES MAX PER LATERAL)

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

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* 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

MAJORITY OF PROPOSED STORM PROFILE WAS MODIFIED AS PART OF REVISION #1

- 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.
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| STORM INLET REVISIONS | 7/29/24 | EAC | U-5 |
| STORM INLET REVISIONS | 6/27/24 | EAC | |
| ULO DATA & NOTES | 6/18/24 | EAC | |
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| Designed By: EAC | Date: 7/29/2024 9:50 AM | Scale: 1" = 40' | U-5 |

14389

14389

MADISON, WI

CONTRACT NO: 8746

SEWER PLAN AND PROFILE - HENRY ST

W. WASHINGTON AVENUE & HENRY STREET RESURFACING

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U-5

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 |
|---|-----------|-------------------|----------------|--------|------------|-------|
| WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE) | | | | | | |
| 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] |
| WEST WASHINGTON AVENUE (NORTHWESTERN SIDE) | | | | | | |
| SAS #6 | 124+08.07 | LT-31.57 | 882.02 | 870.89 | 11.13 | [3] |
| SOUTH HENRY STREET | | | | | | |
| 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 |
|---|------------|--------------|-------------|----------------|-----------|----------|--------|
| WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE) | | | | | | | |
| 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 |
| WEST WASHINGTON AVENUE (NORTHWESTERN SIDE) | | | | | | | |
| COUPLING #2 | SAS #6 | 870.18 | 870.89 | 13 | 5.33% | 15" | SDR-35 |
| SOUTH HENRY STREET | | | | | | | |
| 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 |
|---|-----------|-------------------|-----------------|----------|
| WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE) | | | | |
| COUPLING #1 | 123+90.24 | RT-27.42 | 876.96 | [6]; [7] |
| WEST WASHINGTON AVENUE (NORTHWESTERN SIDE) | | | | |
| 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 |
|---|-----------|-------------------|----------------|--------|-------|------------------------|
| WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE) | | | | | | |
| 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 |
|-------------|-----------|---------|--------|--------|------|---------------|

SANITARY STRUCTURE ADJUSTMENTS/MODIFICATIONS

| STRUC ID NO. | STATION | LOCATION (OFFSET) | TOP OF CASTING | PROP TOC | ADJ (FT) | NOTES |
|---|-----------|-------------------|----------------|----------|----------|--|
| WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE) | | | | | | |
| SAS5051-048 | 120+11.94 | RT-23.47 | 863.22 | 863.16 | -0.06 | [1] |
| WEST WASHINGTON AVENUE (NORTHWESTERN SIDE) | | | | | | |
| 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 |
|---|-------------|-----------|------------|---------------|--------------------|---------------|-----------|-----------|-----------|-------|
| WEST WASHINGTON AVENUE (SOUTHEASTERN SIDE) | | | | | | | | | | |
| 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] |
| WEST WASHINGTON AVENUE (NORTHWESTERN SIDE) | | | | | | | | | | |
| SAS5051-037 | SAS#6 | 13 | N | 13 | -- | -- | -- | 15" | VCP | |
| SOUTH HENRY STREET | | | | | | | | | | |
| SAS5050-030 | SAS5051-022 | 234 | N | 234 | -- | -- | -- | 6" | VCP | |

SANITARY ULO SCHEDULE

| ID NO. (OFFSET) | STATION | LOCATION (OFFSET) | TYPE | NOTES |
|-------------------------------|-----------|-------------------|---------------------------------|-------------------------------|
| WEST WASHINGTON AVENUE | | | | |
| ● 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

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

PROPOSED STORM STRUCTURES

| STRUC. NO. | STATION | LOCATION (OFFSET) | TYPE | TOP OF CASTING | E.I. | DEPTH | NOTES |
|--|-----------|-------------------|-----------------|----------------|---------------|-------------|---------------------------------|
| WEST WASHINGTON AVENUE (BOTH SIDES) | | | | | | | |
| 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 | 859.73 | 3.53 | FP; W/R-3067-7004-V; [2] |
| ● S-3 | 120+18.01 | RT-27.68 | H-INLET | 863.63 | 859.87 | 3.76 | 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 | 871.03 | 3.76 | 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 | 873.95 | 3.91 | FP; W/R-3067-7004-V; [5] |
| ●+ S-8 | 123+51.42 | RT-21.25 | 3'X3' STORM SAS | 879.93 | 874.86 | 5.07 | FP; W/R-1550-0054 |
| ● S-9 | 123+79.03 | RT-21.24 | 3'X3' STORM SAS | 881.57 | 875.14 | 6.43 | W/R-1550-0054 |
| X S-9A | 123+86.24 | RT-27.54 | H INLET | 882.25 | 878.10 | 4.15 | W/R-3067-7004-V |
| ● S-9B | 124+02.01 | LT-26.25 | 3'X3' STORM SAS | 881.70 | 876.17 | 5.53 | 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] |

HENRY STREET (NORTH & SOUTH)

| | | | | | | | |
|---------|------------------|-----------------|------------------------|---------------|---------------|-------------|----------------------------------|
| ● S-10 | 208+44.50 | LT-21.70 | 3'X3' STORM SAS | 889.64 | 885.18 | 4.46 | W/R-1550-0054; [13] |
| ● S-11 | 208+59.72 | LT-21.75 | 3'X3' STORM SAS | 890.81 | 885.33 | 5.48 | W/R-1550-0054; [9] |
| ● S-12 | 209+03.38 | LT-22.92 | 3'X3' STORM SAS | 892.63 | 885.77 | 6.86 | FP; W/R-3067-7004-V |
| ● S-13 | 209+32.55 | LT-21.97 | 3'X3' STORM SAS | 895.03 | 886.06 | 8.97 | W/R-1550-0054; [10] |
| ●+ S-14 | 209+74.41 | LT-23.19 | 3'X3' STORM SAS | 896.06 | 887.74 | 8.32 | FP; W/R-3067-7004-V; [11] |
| ● S-14A | 209+64.93 | LT-34.35 | H INLET | 895.85 | 892.65 | 3.20 | W/R-3067-7004-V |
| ● S-15 | 209+79.42 | LT-8.40 | 3'X3' STORM SAS | 896.12 | 888.05 | 8.07 | W/R-1550-0054 |
| ● S-15A | 209+75.84 | RT-22.43 | H INLET | 895.05 | 889.17 | 5.88 | W/R-3067-7004-V |
| ● S-16 | 210+29.40 | LT-8.39 | 3'X3' STORM SAS | 899.16 | 892.15 | 7.01 | W/R-1550-0054 |
| ● S-16A | 210+32.98 | LT-17.74 | H INLET | 899.61 | 895.80 | 3.81 | W/R-3067-7004-V; [12] |
| ● S-17 | 211+32.27 | LT-8.36 | 3'X3' STORM SAS | 906.09 | 899.00 | 7.09 | W/R-1550-0054 |
| ● S-17A | 211+39.35 | RT-18.87 | H INLET | 906.22 | 900.50 | 5.72 | W/R-3067-7004-V |
| ● S-17B | 211+35.94 | LT-17.70 | H INLET | 906.43 | 903.18 | 3.25 | W/R-3067-7004-V |

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.

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 |
|--|--------------|------------|---------------|---------------|----------------------|----------------|--------------|------------|---------------|------------------------|
| WEST WASHINGTON AVENUE (BOTH SIDES) | | | | | | | | | | |
| ● P-1 | S-1 | S-2 | 859.56 | 859.73 | 17 | 13 | 1.31% | 18" | TYPE 2 | NCM |
| ● P-2 | S-2 | S-3 | 859.73 | 859.87 | 12 | 9 | 1.56% | 18" | TYPE 2 | |
| ● P-3 | S-3 | S-4 | 859.87 | 860.40 | 18 | 14 | 3.79% | 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 | 870.97 | 871.03 | 6 | 4 | 1.50% | 12" | RCP | NCM |
| ● P-7 | S-7 | S-8 | 873.39 | 874.86 | 39 | 36 | 4.08% | 18" | RCP | |
| + P-7A | S-7 | S-7A | 873.89 | 873.95 | 6 | 4 | 1.50% | 12" | RCP | NCM |
| ● P-8 | S-8 | S-9 | 874.86 | 875.14 | 28 | 25 | 1.12% | 18" | RCP | |
| ● P-8A | S-8 | RS-6 | 876.65 | 876.79 | 14 | 12 | 1.17% | 12" | RCP | NCM; [6] |
| X P-9A | S-9 | S-9A | 878.00 | 878.10 | 10 | 6 | 1.67% | 12" | RCP | NCM |
| ● P-9B | S-9 | S-9B | 875.64 | 876.17 | 53 | 49 | 1.08% | 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 | 878.09 | 878.76 | 45 | 42 | 1.60% | 12" | TYPE 2 | NCM (WITH PVT CONNECT) |
| HENRY STREET (NORTH & SOUTH) | | | | | | | | | | |
| ● P-10 | S-10 | S-11 | 885.18 | 885.33 | 15 | 12 | 1.25% | 18" | TYPE 2 | |
| ● P-11 | S-11 | S-12 | 885.33 | 885.77 | 44 | 40 | 1.10% | 18" | TYPE 2 | |
| ● P-12 | S-12 | S-13 | 885.77 | 886.06 | 29 | 26 | 1.12% | 18" | RCP | |
| ● P-13 | S-13 | S-14 | 886.06 | 887.74 | 42 | 39 | 4.31% | 18" | RCP | |
| ● P-14 | S-14 | S-15 | 887.74 | 888.05 | 16 | 12 | 2.58% | 18" | RCP | |
| ● P-14A | S-14 | S-14A | 892.65 | 892.65 | 15 | 12 | 0.00% | 12" | TYPE 2 | NCM |
| ● P-15 | S-15 | S-16 | 890.95 | 892.15 | 50 | 47 | 2.55% | 15" | RCP | NCM |
| ● P-15A | S-15 | S-15A | 888.55 | 889.17 | 31 | 28 | 2.21% | 12" | RCP | |
| ● P-16 | S-16 | S-17 | 895.45 | 899.00 | 103 | 100 | 3.55% | 15" | RCP | NCM |
| ● P-16A | S-16 | S-16A | 895.70 | 895.80 | 10 | 7 | 1.43% | 12" | RCP | NCM |
| ● P-17A | S-17 | S-17A | 900.22 | 900.50 | 28 | 26 | 1.08% | 12" | RCP | NCM |
| ● P-17B | S-17 | S-17B | 903.08 | 903.18 | 10 | 7 | 1.43% | 12" | RCP | NCM |

- 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 ECFALU@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

| | |
|---|------------------|
| W. WASHINGTON AVENUE & HENRY STREET RESURFACING | SHEET NO. U-9 |
| PROJECT NO. 14389 | |
| 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 |
|--|------------|-----------|-------------------|--------|----------|----------|-------|
| WEST WASHINGTON AVENUE (BOTH SIDES) | | | | | | | |
| 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 |
|--|----------------------|-----------|-------------------|----------------------|------------|-------|
| WEST WASHINGTON AVENUE (BOTH SIDES) | | | | | | |
| 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 | |
| HENRY STREET (NORTH & SOUTH) | | | | | | |
| 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

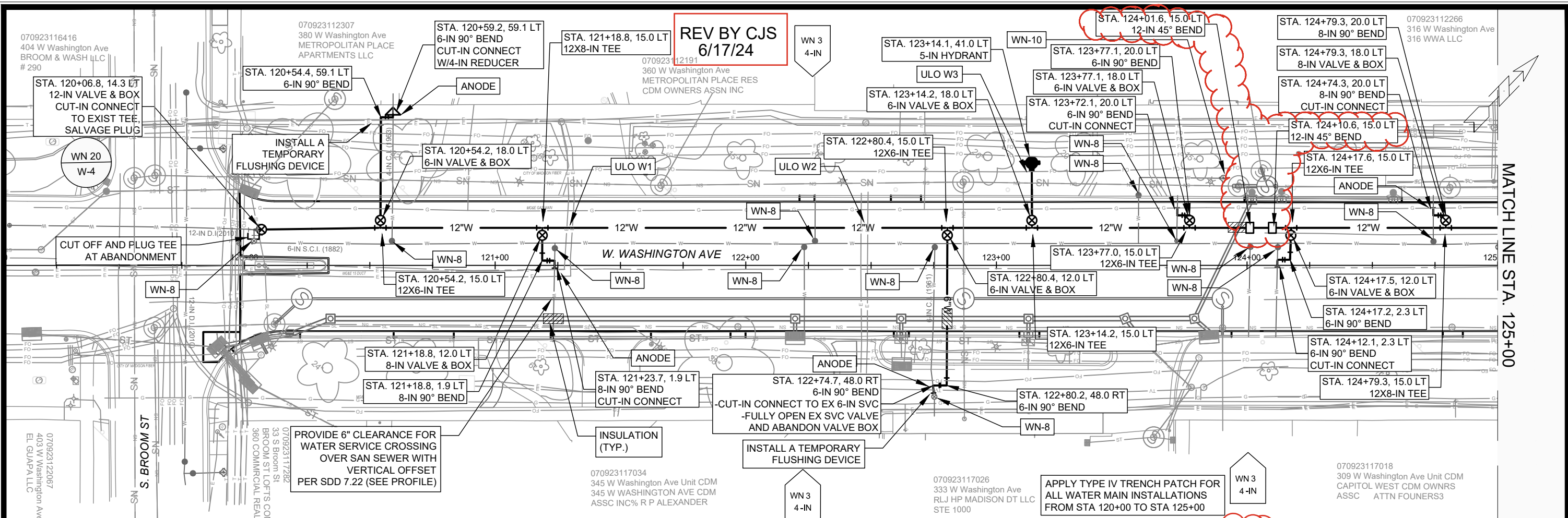
- [1] MATCH TOC TO REPLACEMENT CURB
- [2] APPROXIMATE STRUCTURE DEPTH - NO RECORDS OR SURVEY DATA AVAILABLE
- [3] STRUCTURE LOCATED IN PARKING ISLAND FOR 333 WEST WASHINGTON AVE. - COORDINATE WITH PROPERTY BEFORE REMOVAL
- [4] CONNECT P-8A TO EX PVT 12" RCP STM WITH CONCRETE COLLAR
- [5] ABANDON PIPE 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 PAID (FT) | ABN LGTH (FT) | SLURRY (CY) | PIPE SIZE | PIPE TYPE | NOTES |
|--|----------------------|----------------|-----------|------------|---------------|---------------|-------------|-----------|-----------|-------------------|
| WEST WASHINGTON AVENUE (BOTH SIDES) | | | | | | | | | | |
| 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 |
| HENRY STREET (NORTH & SOUTH) | | | | | | | | | | |
| 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 | 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] |

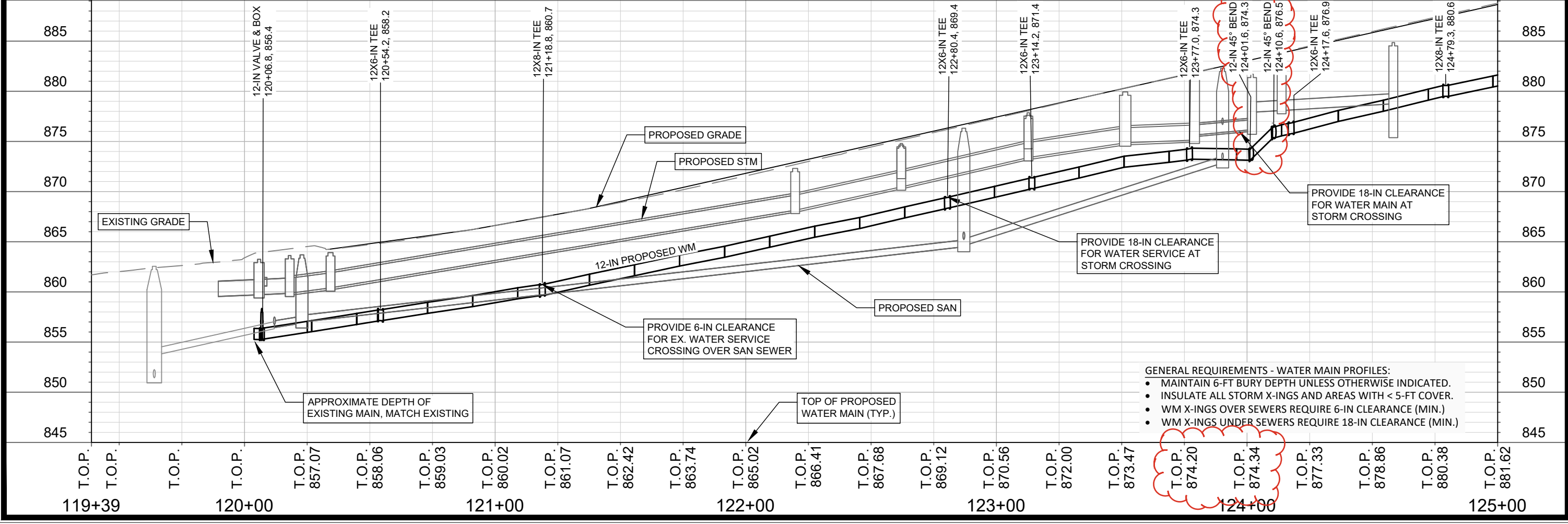
STORM ULO SCHEDULE

| ID NO. | STATION | LOCATION (OFFSET) | TYPE | NOTES |
|---|-----------|-------------------|--------|--|
| WEST WASHINGTON AVENUE | | | | |
| 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 |
| HENRY STREET (NORTH & SOUTH) | | | | |
| 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' - CONFLICT, STORM DESIGN REVISED TO AVOID |
| 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 |



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

MATCH LINE STA. 125+00



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

070923112018
10 N Henry St
FREEDOM FROM RELIGION
FOUNDATION INC

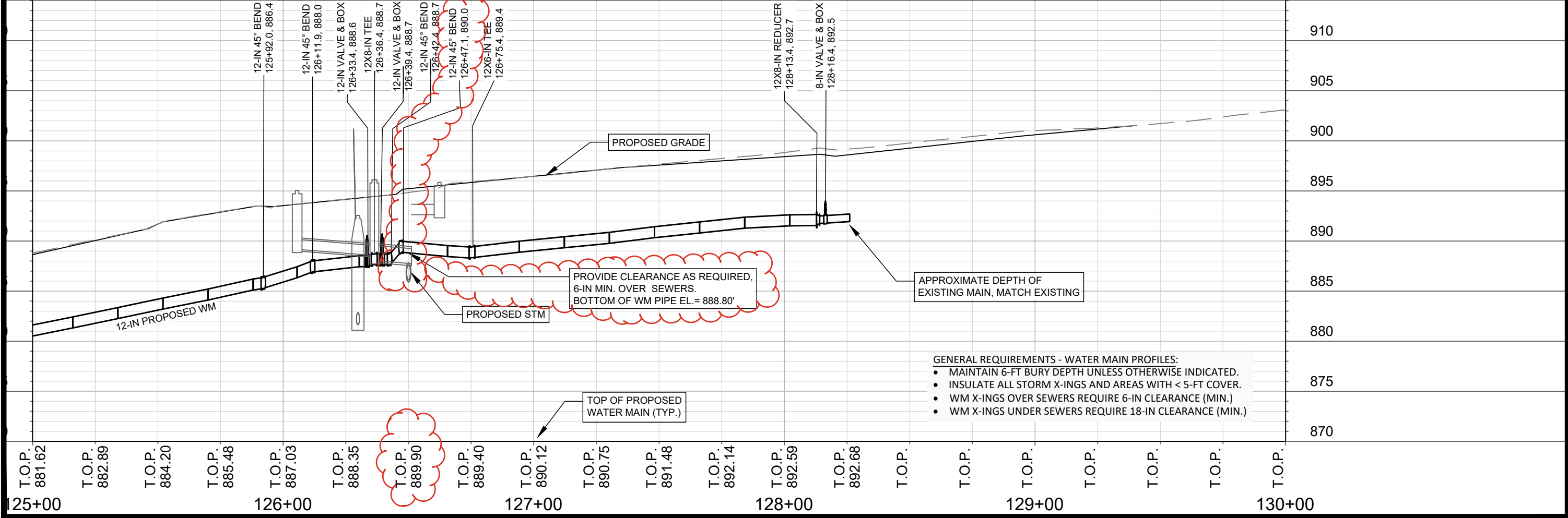
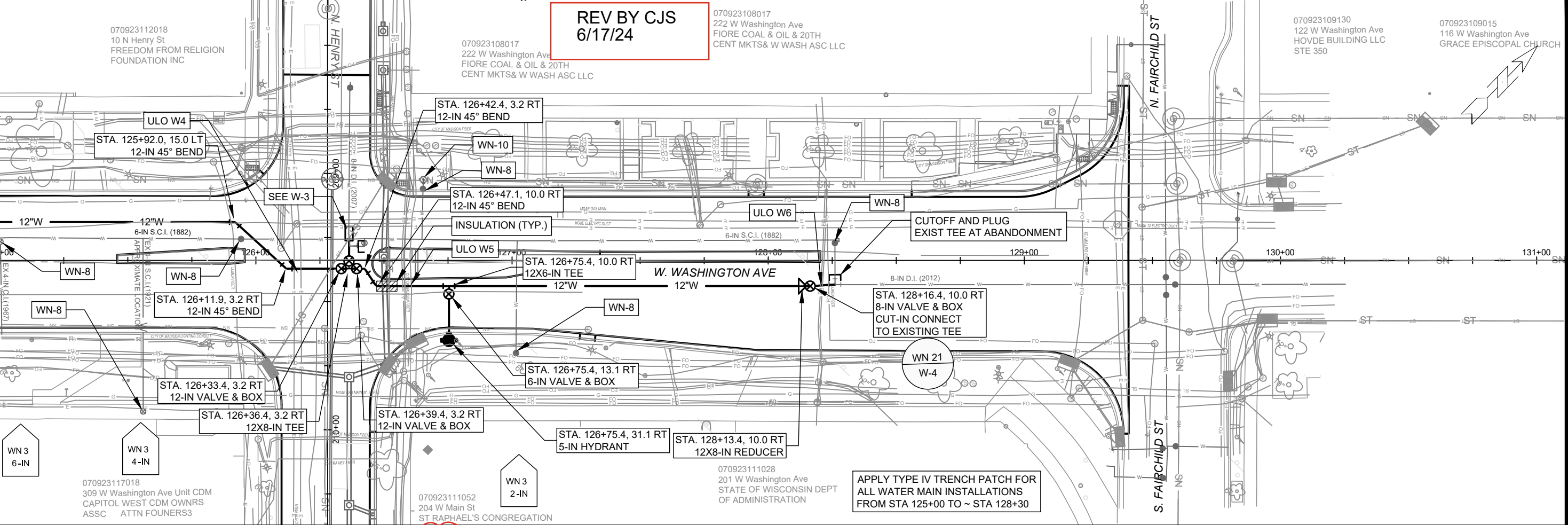
**REV BY CJS
6/17/24**

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

MATCH LINE STA. 125+00



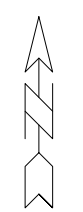
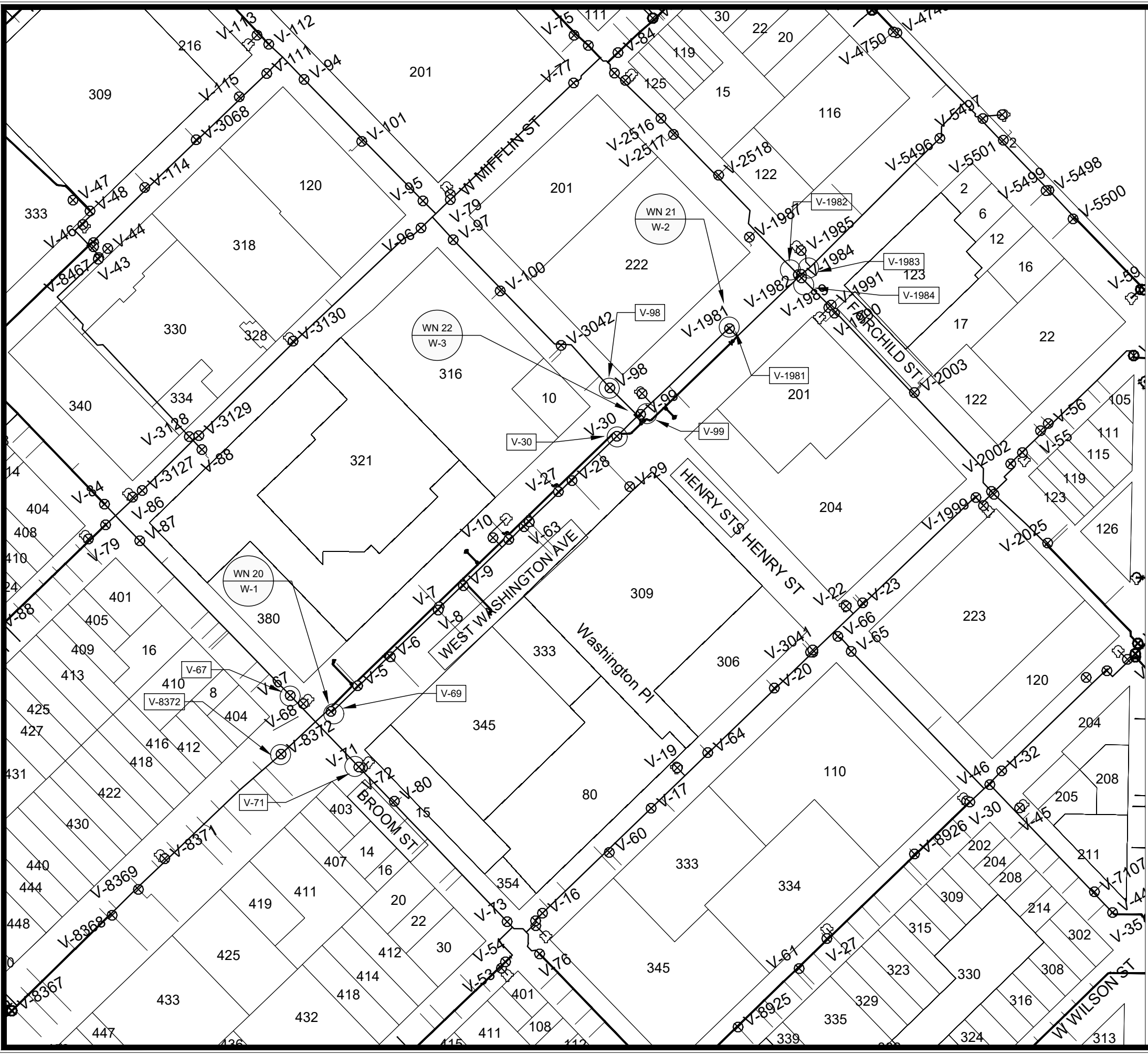
| MARK | REVISION | DATE | BY |
|-------|----------|-----------|-----|
| 14389 | 14389 | 3/17/2024 | CJS |

14389
MADISON, WI
CONTRACT NO: 8746

WEST WASHINGTON AVE - WATER PLAN AND PROFILE
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
M:\DESIGN\Projects\14389\CAD\Water\14389WU-Water.dwg



14389
W-2



1" = 150'

WN20 W-1 CUT IN CONNECTION
 ISOLATION VALVES: V-69, V-67, V8372, 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 |
| REVISION | |
| Designed By: CJS | Date: 3/12/2024 |
| Scale: 1" = 150' | W-4 |
| 14389 | |

14389
 WEST WASHINGTON AVE - WATER IMPACT PLAN
 MADISON, WI
 WEST WASHINGTON AVENUE AND HENRY ST RESURFACING
 CONTRACT NO: 8746
 M:\DESIGN\Projects\14389\CAD\Water\14389WU-ImpactPlan.dwg



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 |

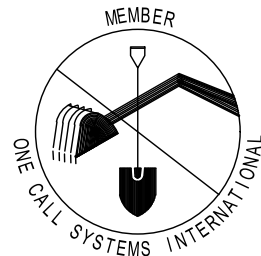
***ESTIMATE OF MATERIALS SALVAGED:**

| 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.

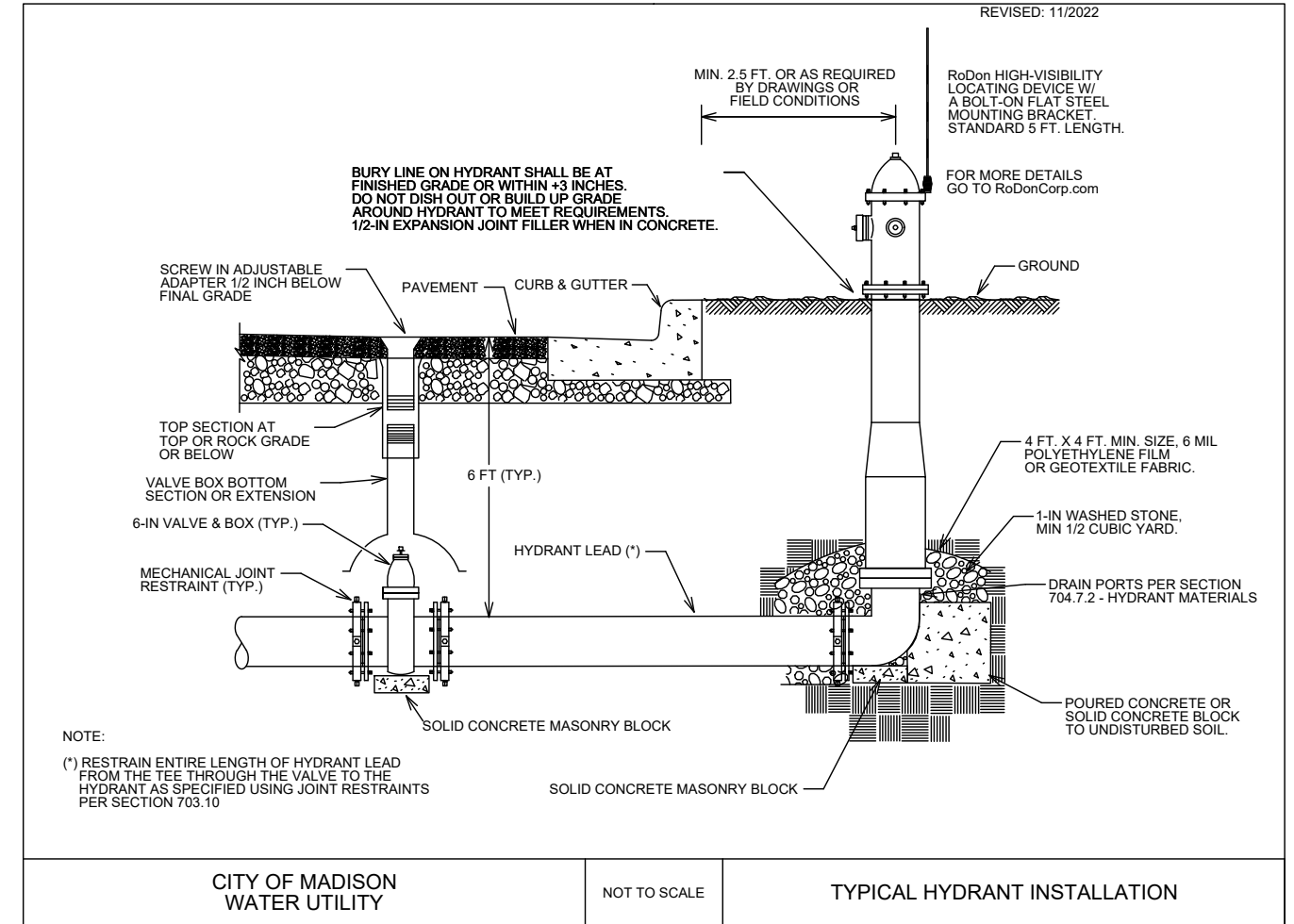


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

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

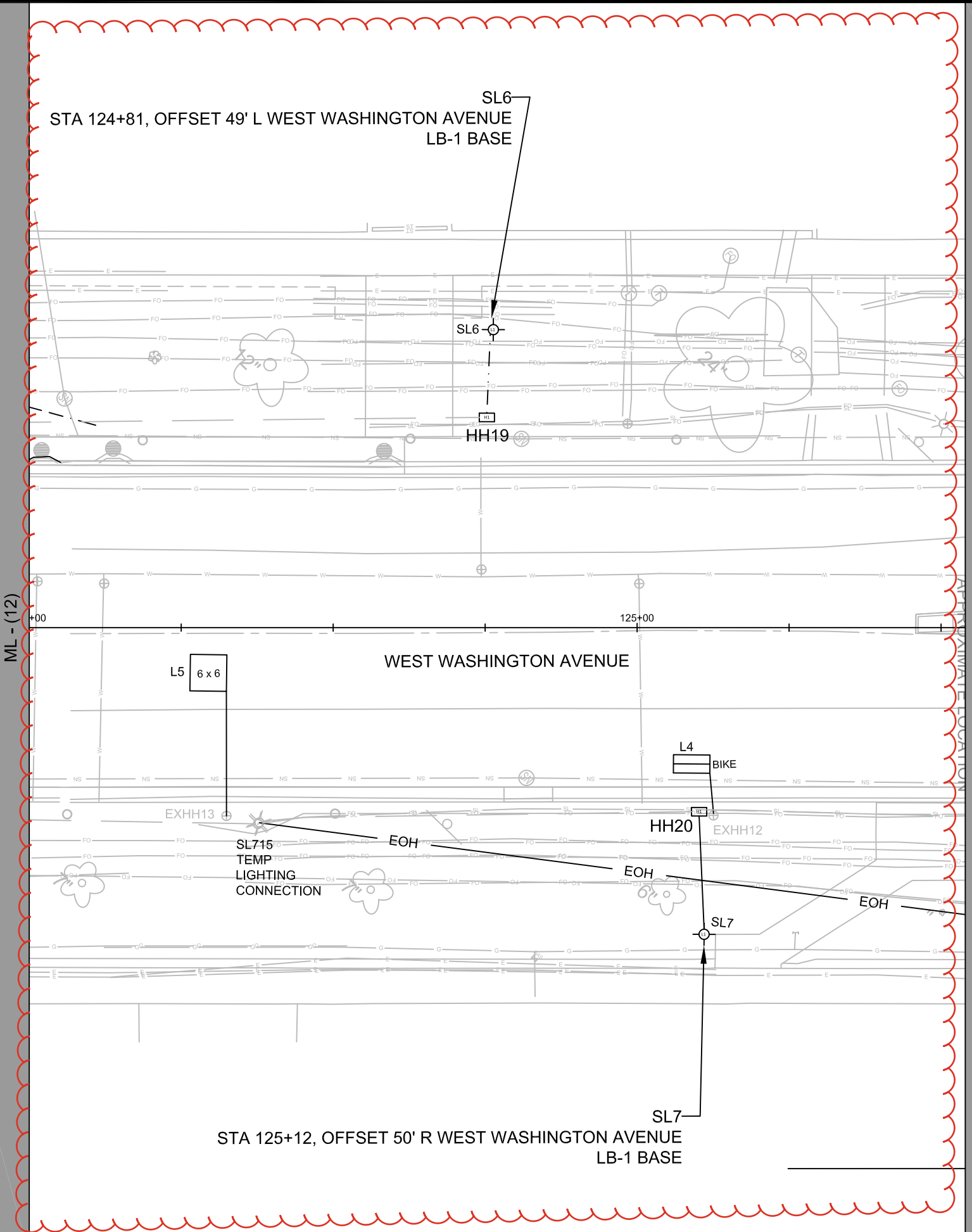
DESIGNED BY: CJS
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 3/12/24

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



14389

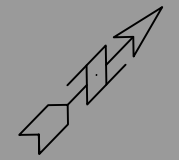
W-5




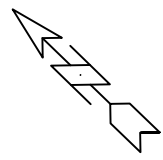
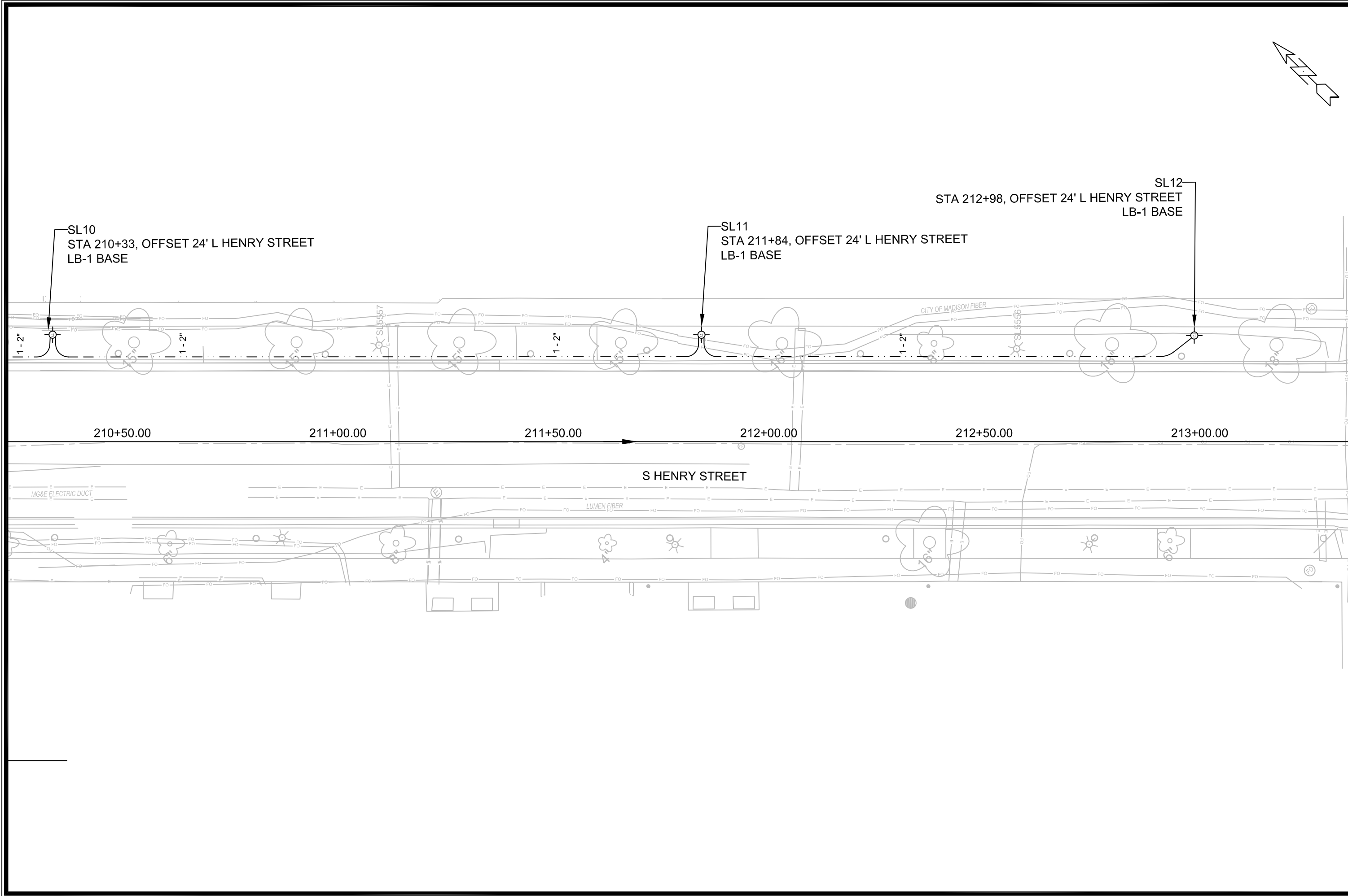
STA 124+81, OFFSET 49' L WEST WASHINGTON AVENUE
LB-1 BASE

WEST WASHINGTON AVENUE

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



| | | | | | | | | |
|---|---|--|--------------|------------------|-----------------|-----------------|-----------|-----|
|  | ELECTRICAL PLANS | | 14389 | ### | ### | ### | ### | |
| | WEST WASHINGTON AVENUE RESURFACING | | MADISON, WI | ### | ### | ### | ### | |
| | M:\DESIGN\Projects\14389\CAD\Traffic\14389TE-Electrical-JLS.dwg | | CONTRACT NO: | 8746 | ### | ### | ### | ### |
| | | | 14389 | E-4 | ### | ### | ### | ### |
| | | | | MARK | DATE | BY | DATE | |
| | | | | 1 | 7/17/2024 | JLS | 7/17/2024 | |
| | | | | REVISION | DATE | BY | DATE | |
| | | | | 1 | 2/23/2024 | JLS | 2/23/2024 | |
| | | | | Designed By: JLS | Date: 2/23/2024 | Scale: 1" = 20' | E-4 | |



| ELECTRICAL PLANS | 14389 | MADISON, WI | CONTRACT NO: 8746 | E-7 | | | | | | | | | | | | | | | | | | | | |
|--|----------|-------------|-------------------|-----|------|----------|------|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| WEST WASHINGTON AVENUE RESURFACING M:\DESIGN\Projects\14389\CAD\Traffic\14389TE-Electrical-JLS.dwg | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>MARK</th> <th>REVISION</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | | | | | MARK | REVISION | DATE | BY | | | | | | | | | | | | | | | | |
| MARK | REVISION | DATE | BY | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | |
| Design By: JLS Date: 2/23/2024 Scale: 1" = 20' | | | | 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

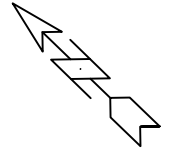
| From | To | 60222 SCHEDULE 80 3-INCH (L.F.) | 60224 SCHEDULE 40 3-INCH (L.F.) | 60230 SCHEDULE 80 2-INCH (L.F.) | 60232 SCHEDULE 40 2-INCH (L.F.) | 60241 GOPHER RACEWAY FOR ELECTRICAL CONDUIT (L.F.) | 60253 FURNISH & INSTALL 3 #4 AND 1 #8 WIRES (L.F.) | 60261 ELECTRICAL TRENCH (LF) | Comments |
|--------|----------|--|--|--|--|---|---|---------------------------------------|-----------------------------|
| 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
 14389TE-Electrical-JLS.dwg
 Designed By: JLS
 Date: 2/23/2024
 REVISION
 MARK
 BY
 DATE



13489
E-8

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 | 90022 | 90023 | 90024 | 90025 |
|-----------|--|--|--|--|---|
| | FURNISH & INST ALL BASE PEDESTAL (EACH) | FURNISH & INST ALL TRAFFIC SIGNAL POLE 15-FOOT (EACH) | FURNISH & INST ALL TRAFFIC SIGNAL HEAD 12-INCH (EACH) | FURNISH & INST ALL PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN (EACH) | 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 |

TRAFFIC DETECTOR LOOPS (HENRY & WEST WASHINGTON)

| LOOP NO. | DIST TO DOWNSTREAM STOPBAR (FT) | DOWNSTREAM SIGNAL | DESCRIPTION | 60280 LOOP DETECTOR | | NO. TURNS | LEAD IN WIRE LF | |
|--------------------|---------------------------------|-------------------------|------------------|---------------------|-----|-----------|-----------------|-----|
| | | | | SIZE | NO. | | | |
| 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'

REVISION
DATE: 3/15/2024
MARK
Designed By: JLS

14389


MADISON, WI

CONTRACT NO: 8746

ELECTRICAL PLANS

WEST WASHINGTON AVENUE RESURFACING

M:\DESIGN\Projects\14389\CAD\Traffic\14389TE-Electrical-JLS.dwg



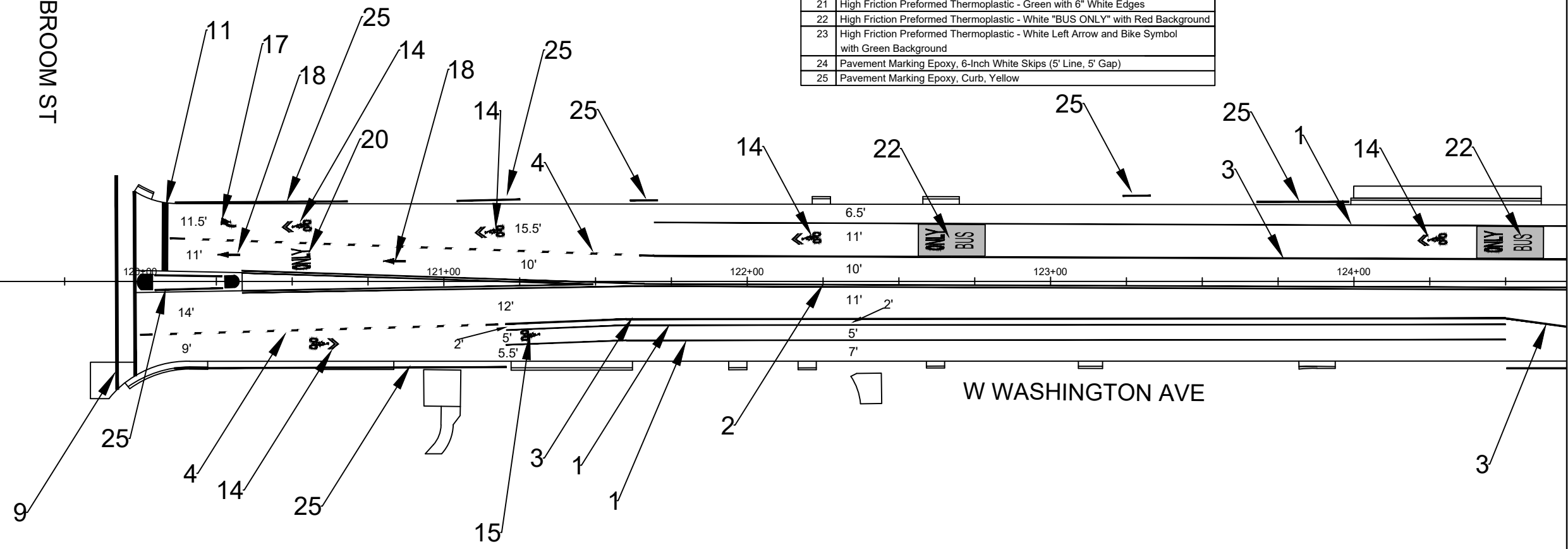
14389

E-10

REVISION 1:
ADDED LANE WIDTH
DIMENSIONS FOR
PAVEMENT MARKINGS

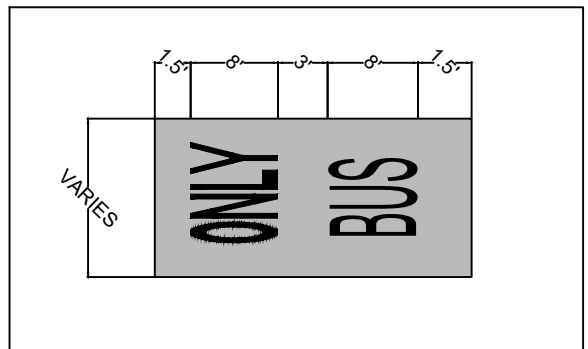
| Callout | Description |
|---------|--|
| 1 | Pavement Marking Epoxy, Line, 4-Inch Solid White |
| 2 | Pavement Marking Epoxy, Double Line, 4-Inch |
| 3 | Pavement Marking Epoxy, Line, 6-Inch Solid White |
| 4 | Pavement Marking Epoxy, 6-Inch White Skips (2' Line, 6' Gap) |
| 5 | Pavement Marking Epoxy,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

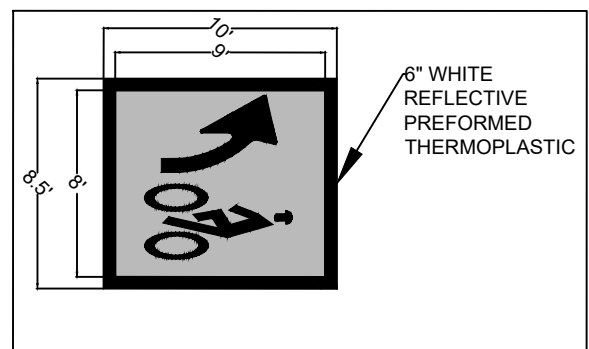


MATCHLINE - (5)

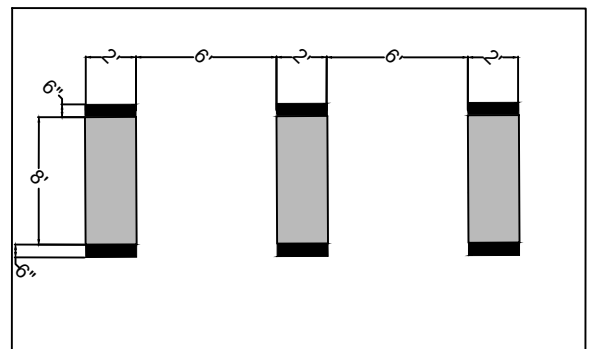
BUS LANE RED DETAIL



LEFT TURN BIKE BOX DETAIL



GREEN DASH DETAIL



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

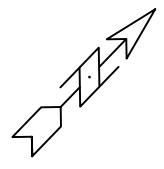
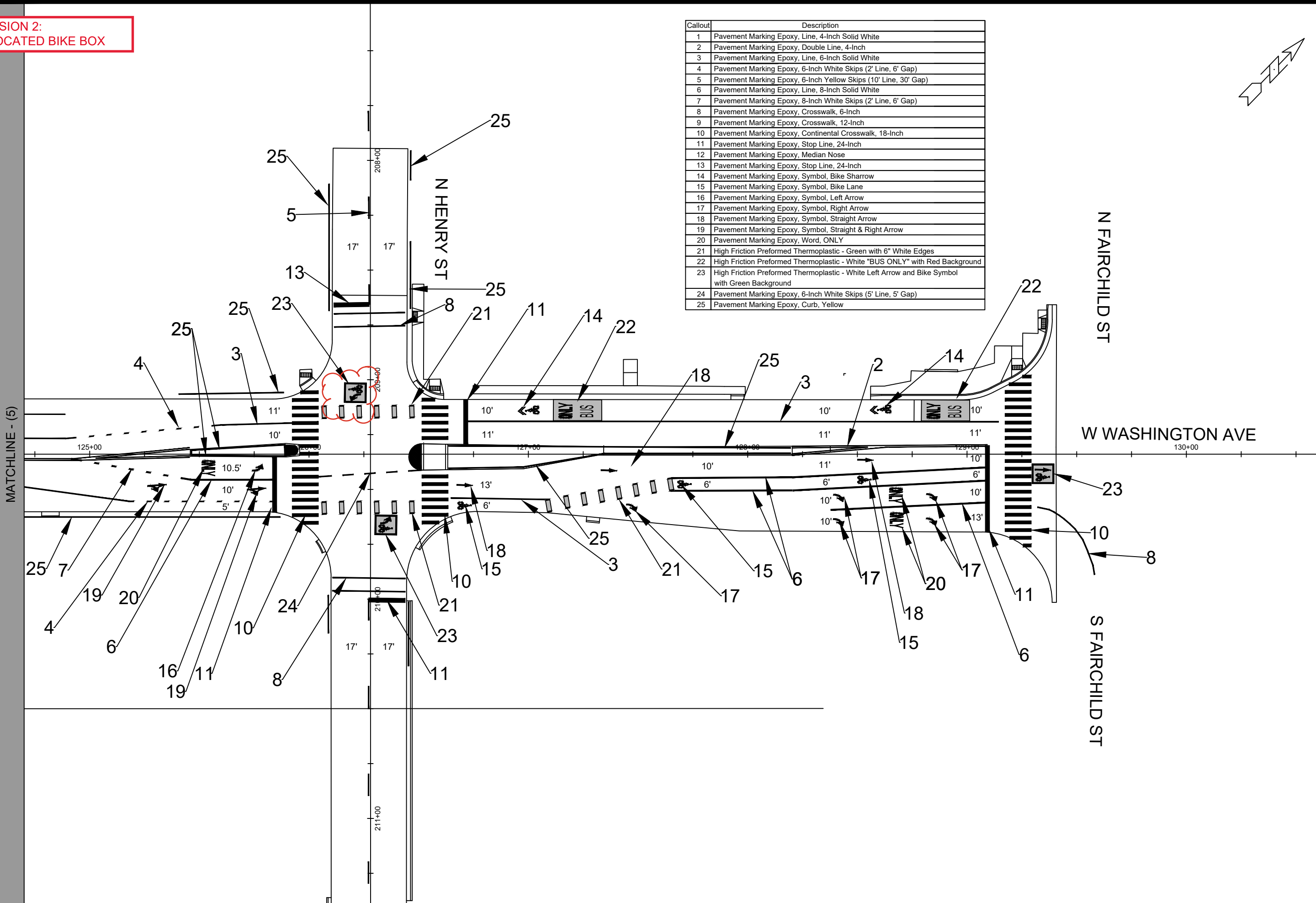
14389TE-PAVEMENT MARKING PLAN - PM - (1)
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
 MADISON, WI
 CONTRACT NO: 8746
 M:\DESIGN\Projects\14389\CAD\Traffic\14389TE-Pavement Marking Plan.dwg



14389
PM-1

**REVISION 2:
RELOCATED BIKE BOX**

| 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 |



| | | | |
|--|-------------|--------------|------|
| 14389TE-PAVEMENT MARKING PLAN - PM - (2) | 14389 | 8746 | PM-2 |
| WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING | MADISON, WI | CONTRACT NO: | |
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| | 14389 | | |
| | PM-2 | | |

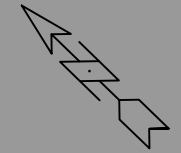
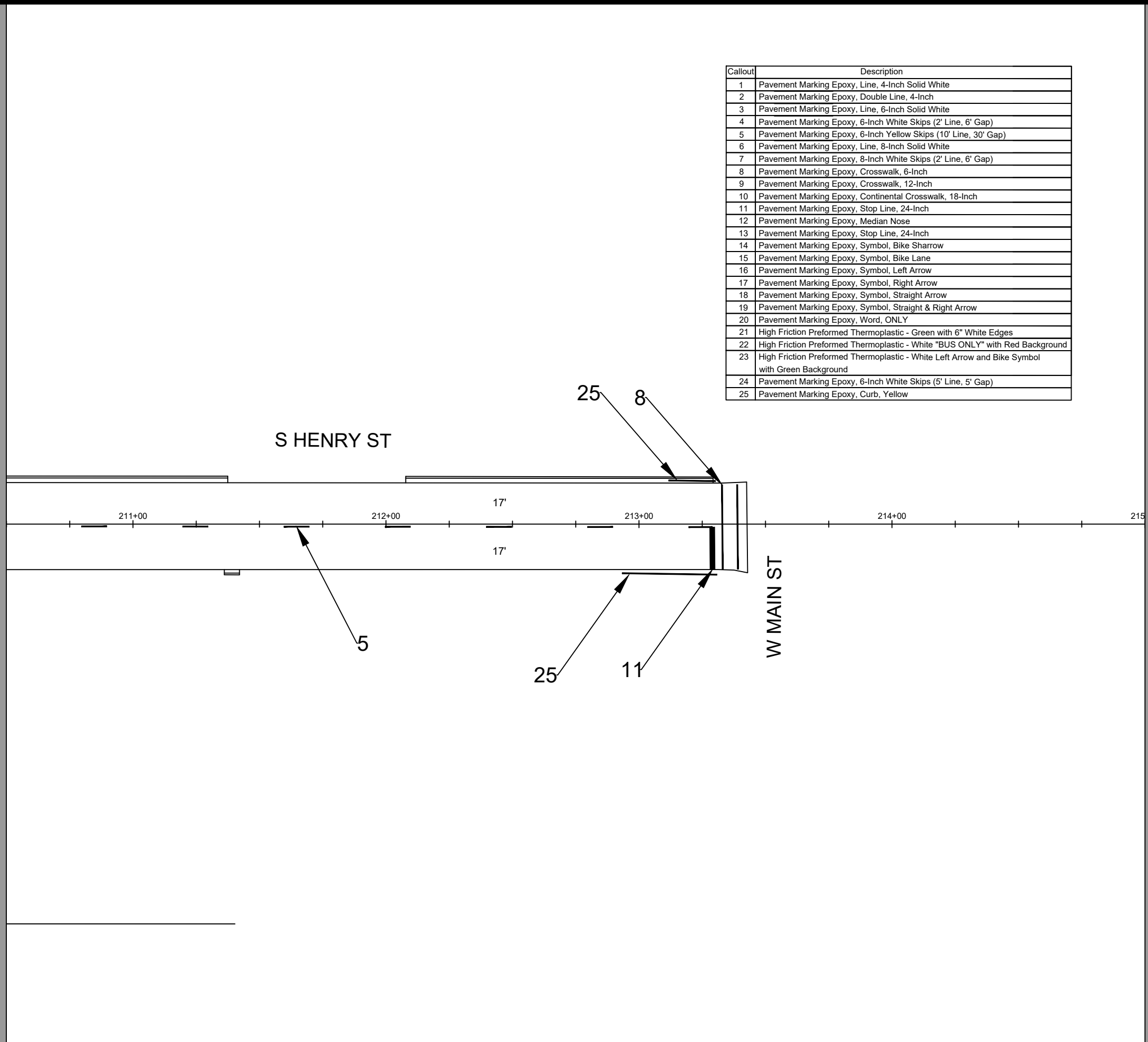



14389
PM-2

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 |
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| 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 |

MATCHLINE - (9)







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| 14389TE-PAVEMENT MARKING PLAN - PM - (3) | | 14389 | REVISION | DATE | BY |
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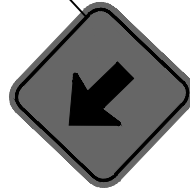
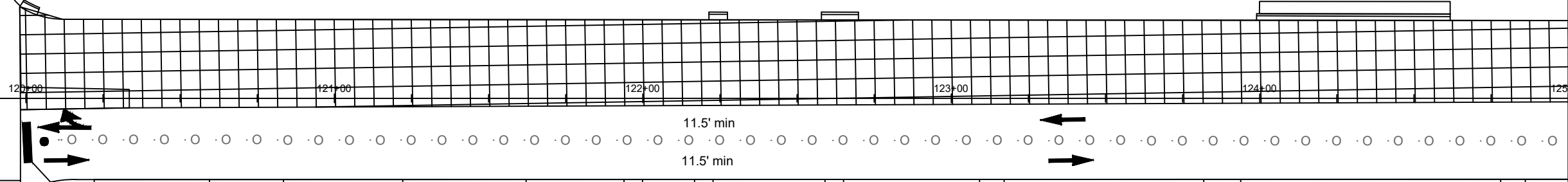
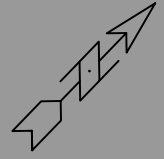
N BROOM ST

S BROOM ST

W WASHINGTON AVE

MATCHLINE - (5)

| Legend | |
|---|---------------------|
|  | Barricade |
|  | Arrow Board |
|  | Direction of Travel |
|  | Tubular Markers |

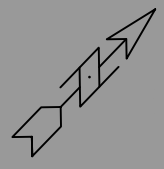


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14389
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
 MADISON, WI
 CONTRACT NO: 8746



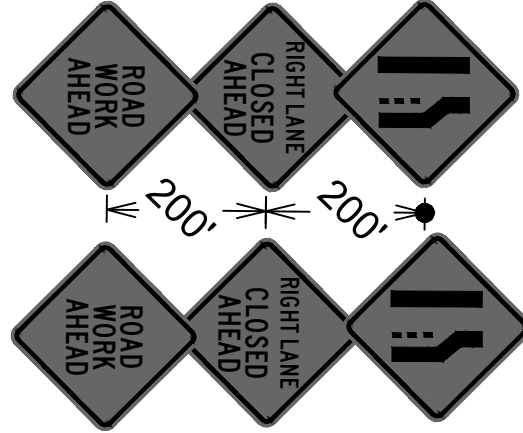
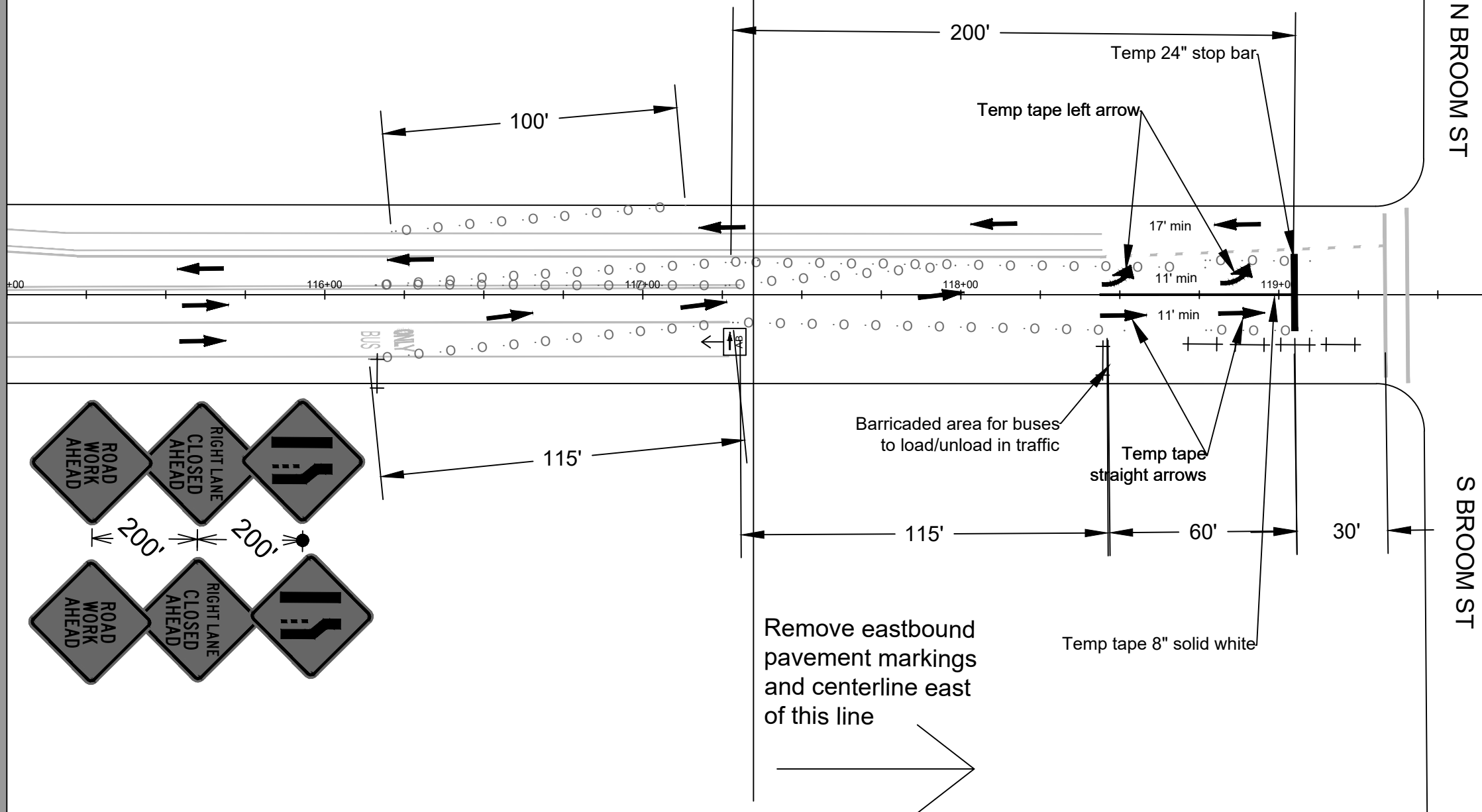
14389
 TC - 1



| Legend | |
|--------|---------------------|
| | Barricade |
| | Arrow Board |
| | Direction of Travel |
| | Tubular Markers |

MATCHLINE - (10)

MATCHLINE - (11)



| MARK | REVISION | DATE | BY |
|------|----------|------|----|
| | | | |
| | | | |
| | | | |

14389
 MADISON, WI
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
 CONTRACT NO: 8746
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 Scale: 1" = 40'







14389
 TC - 3

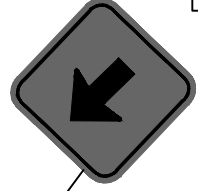
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 14389
 TC - 3

MATCHLINE - (11)

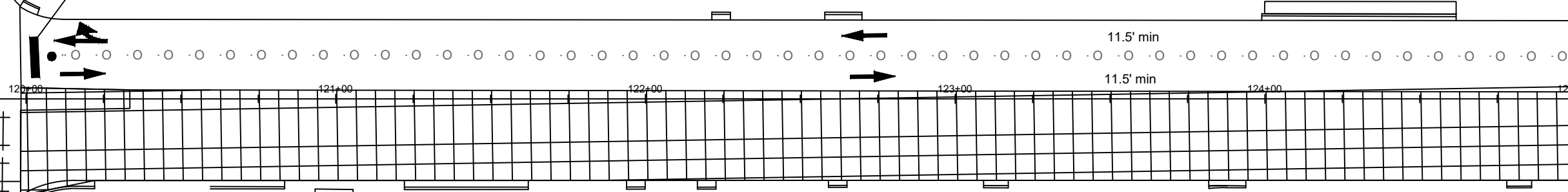
N BROOM ST

S BROOM ST

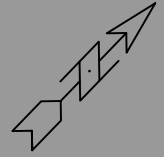
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|---|---------------------|
|  | Barricade |
|  | Arrow Board |
|  | Direction of Travel |
|  | Tubular Markers |



W WASHINGTON AVE



MATCHLINE - (12)



14389
TC - 4

TRAFFIC CONTROL PLAN PHASE 2

WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING

M:\DESIGN\Projects\14389\CAD\Traffic\14389TE-Traffic Control Plan Phase 1.dwg

14389

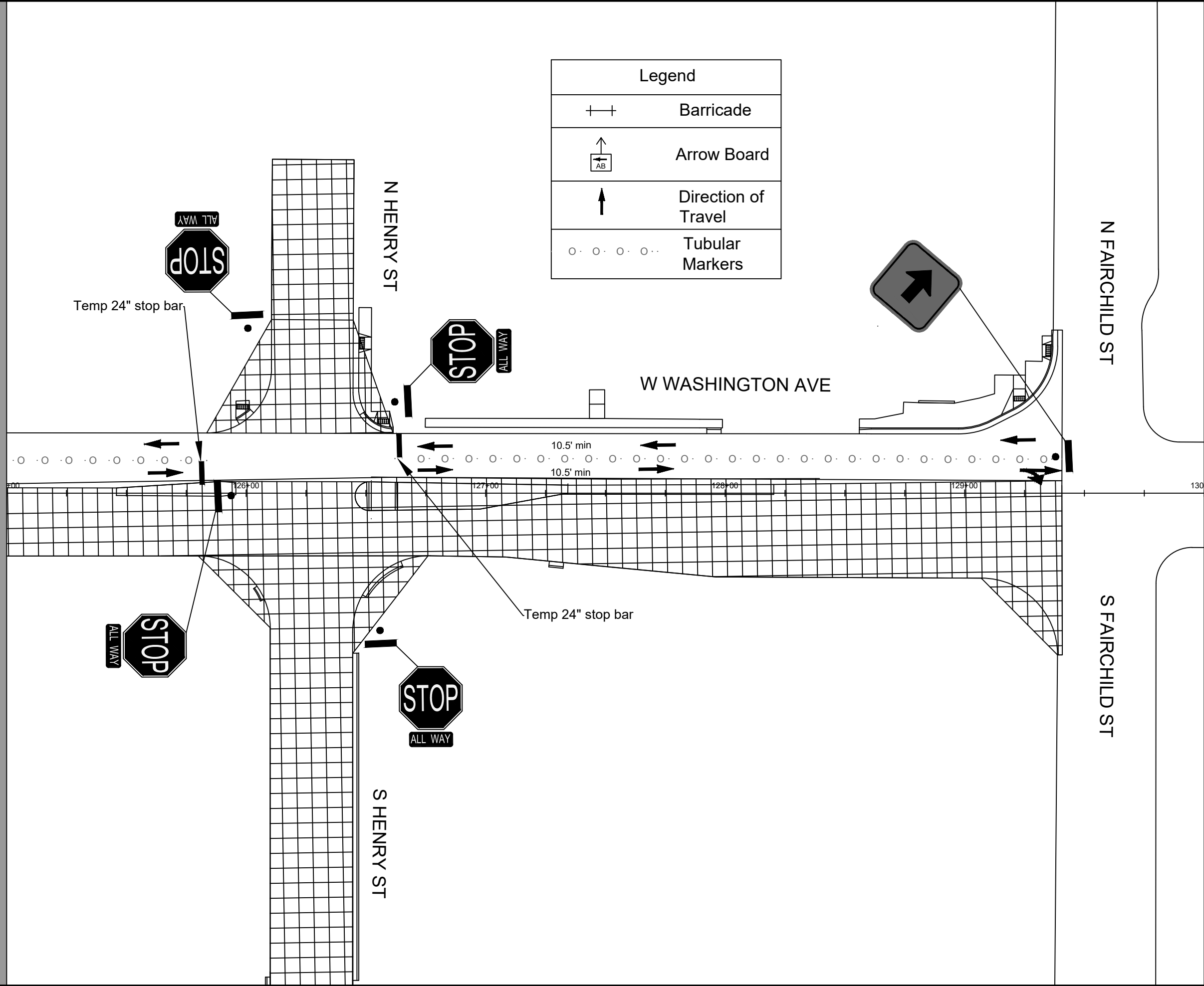
MADISON, WI

8746

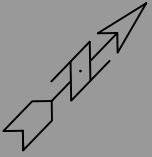
CONTRACT NO:

| MARK | REVISION | DATE | BY |
|-------|----------|------------------|--------|
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MATCHLINE - (12)



| Legend | |
|--------|---------------------|
| | Barricade |
| | Arrow Board |
| | Direction of Travel |
| | Tubular Markers |



| MARK | REVISION | DATE | BY |
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Designed By: MFG Date: 3/6/2024 4:42 PM Scale: 1" = 40'

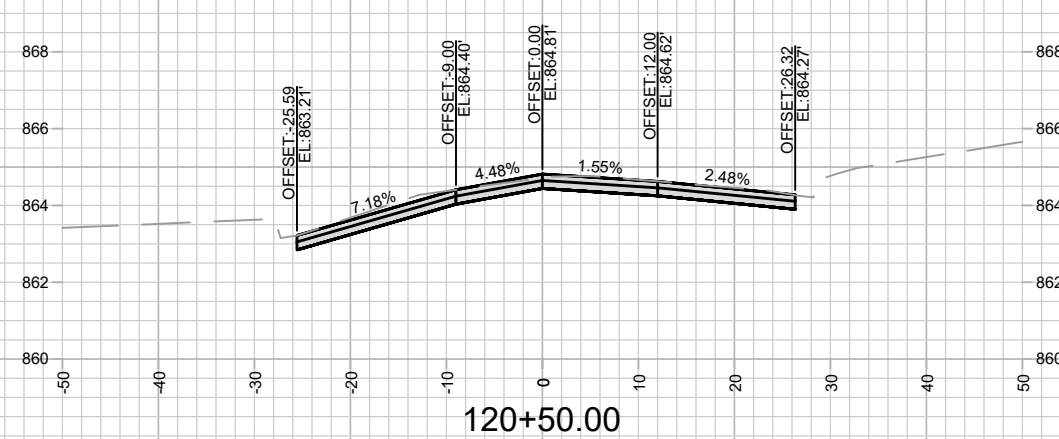
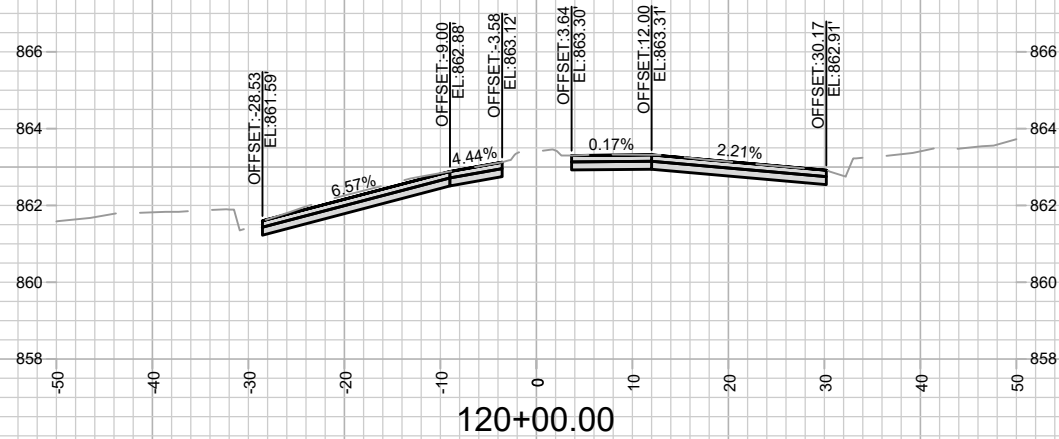
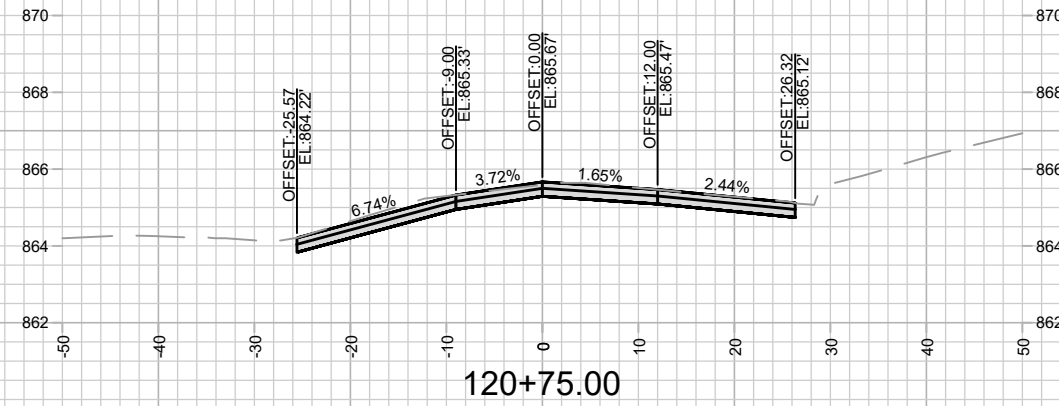
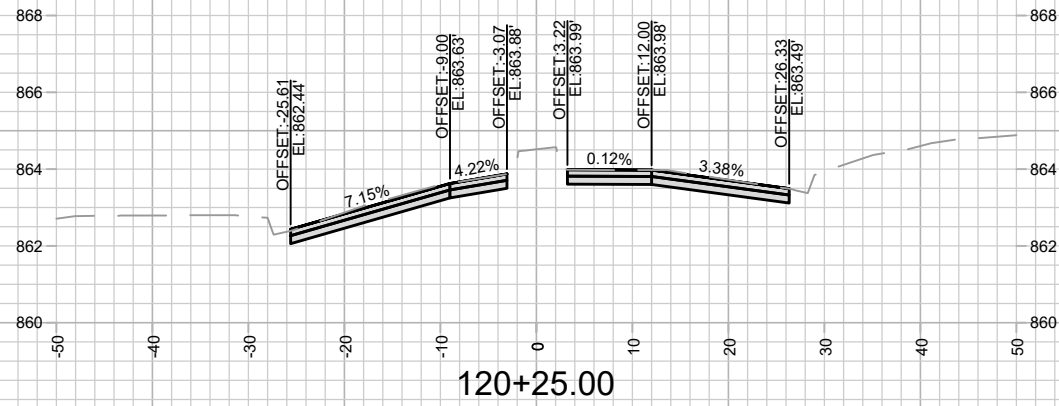
14389
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
 MADISON, WI
 CONTRACT NO: 8746



14389
 TC - 5

MATCHLINE - (13)

REVISION 2:
ADDED SECONDARY CROWNS



| MARK | REVISION | DATE | BY |
|------|----------|------|----|
| | | | |
| | | | |
| | | | |

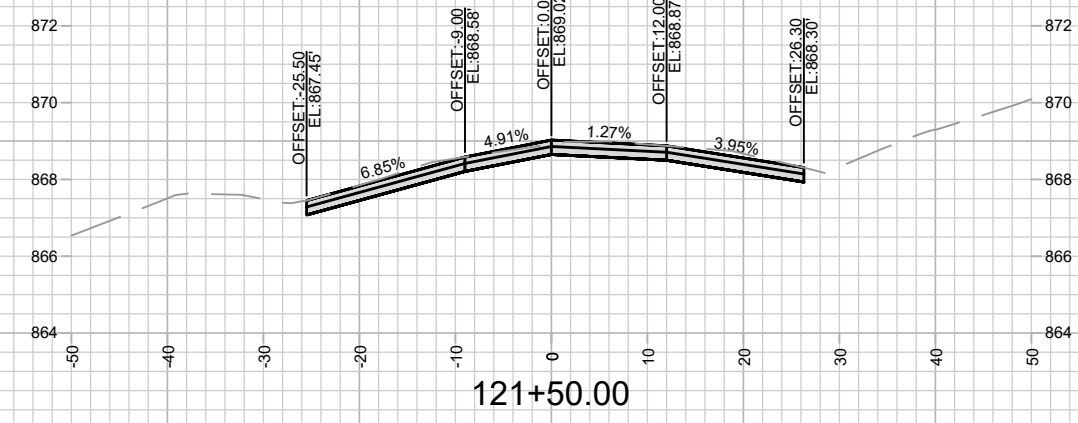
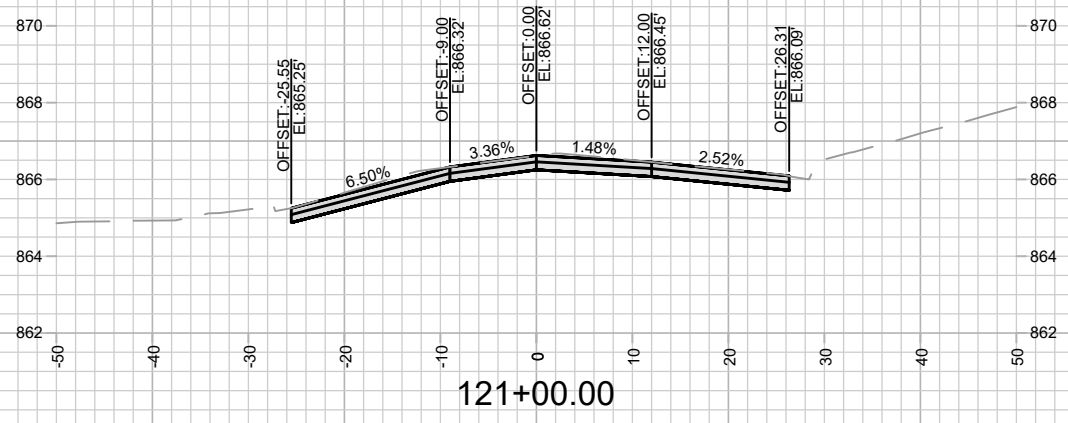
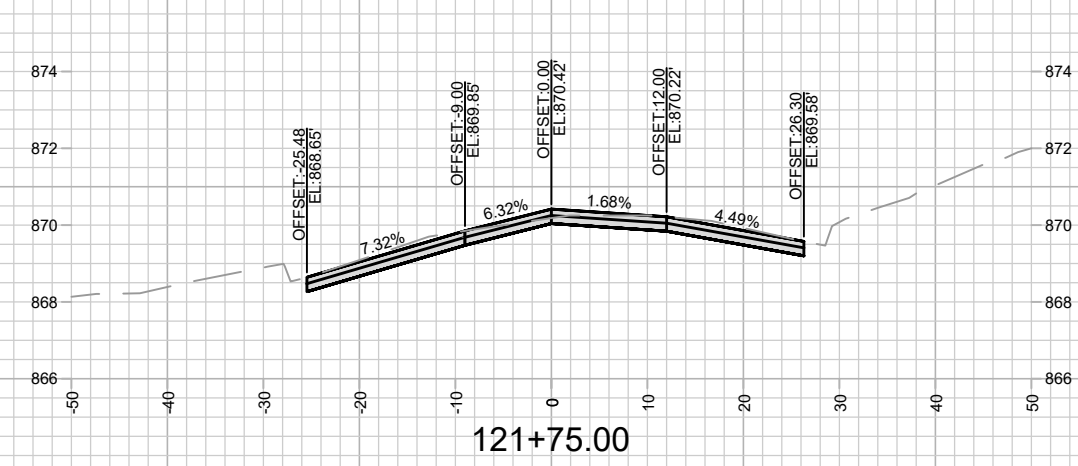
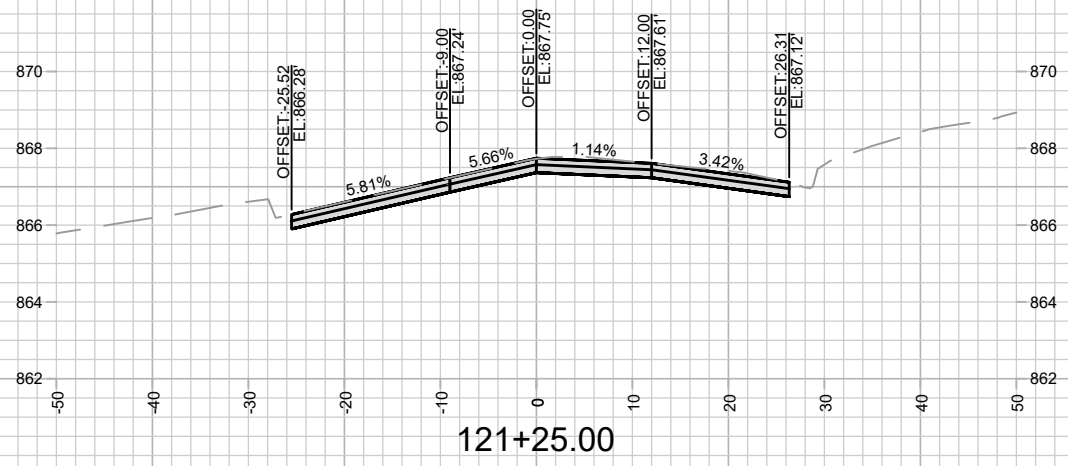
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 WEST WASHINGTON AVENUE - CROSS SECTIONS
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
 MADISON, WI
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 CONTRACT NO: 8746



14389
 X-1

Date: 07/02/2024 11:58 AM
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REVISION 2:
ADDED SECONDARY CROWNS



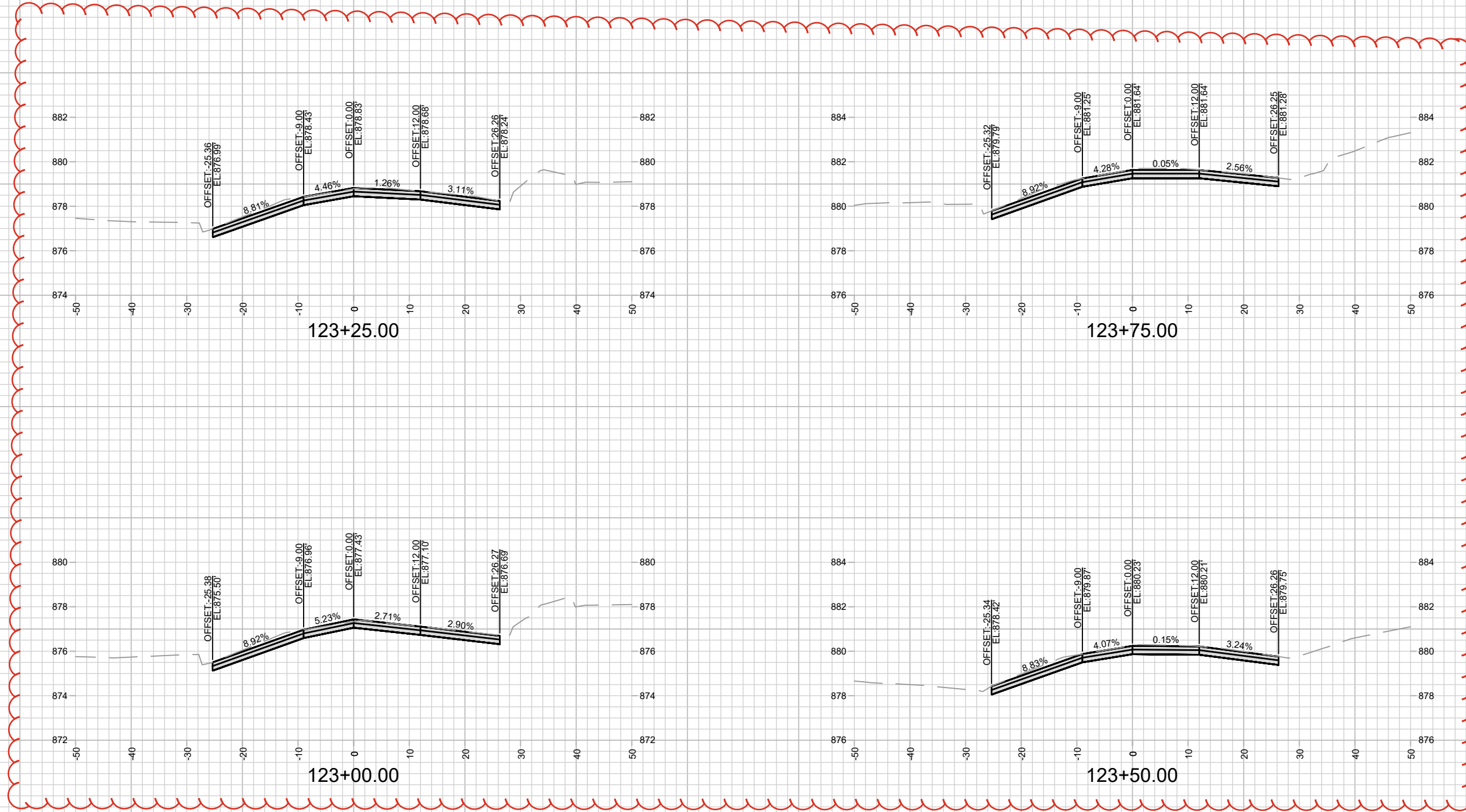
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WEST WASHINGTON AVENUE - CROSS SECTIONS
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
MADISON, WI
CONTRACT NO: 8746



14389
X-2

REVISION 2:
ADDED SECONDARY CROWNS



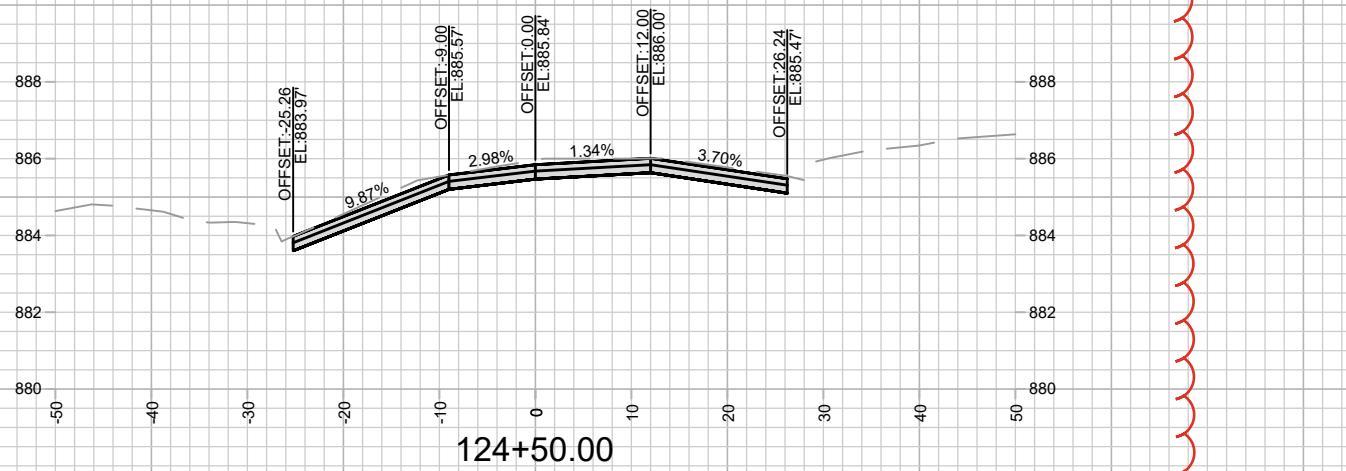
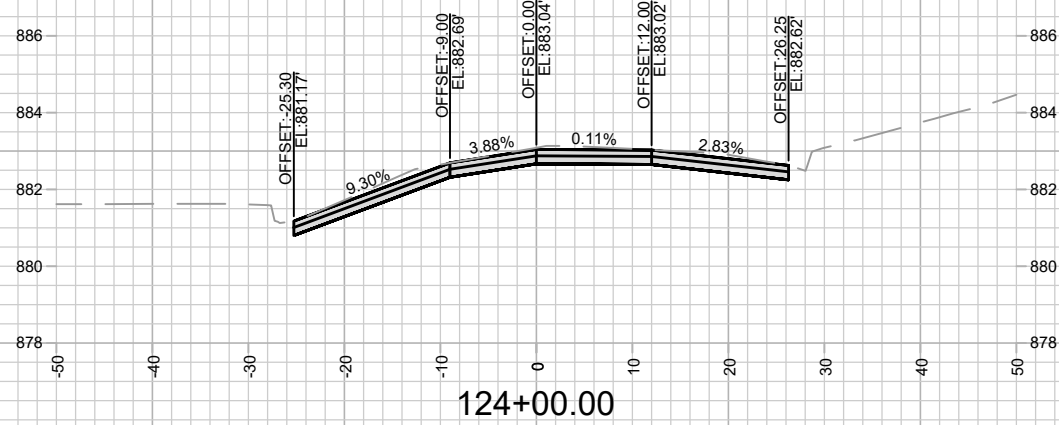
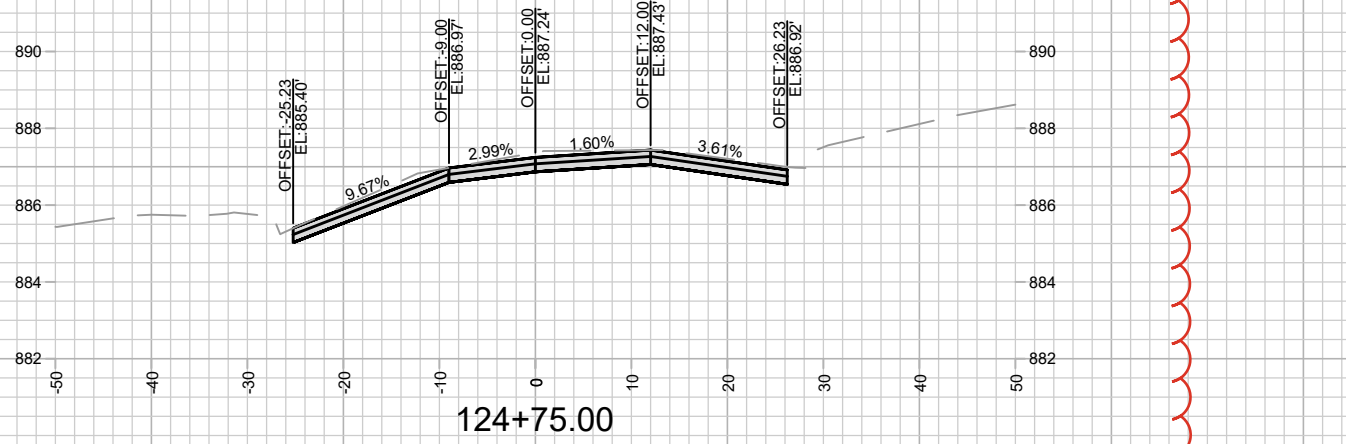
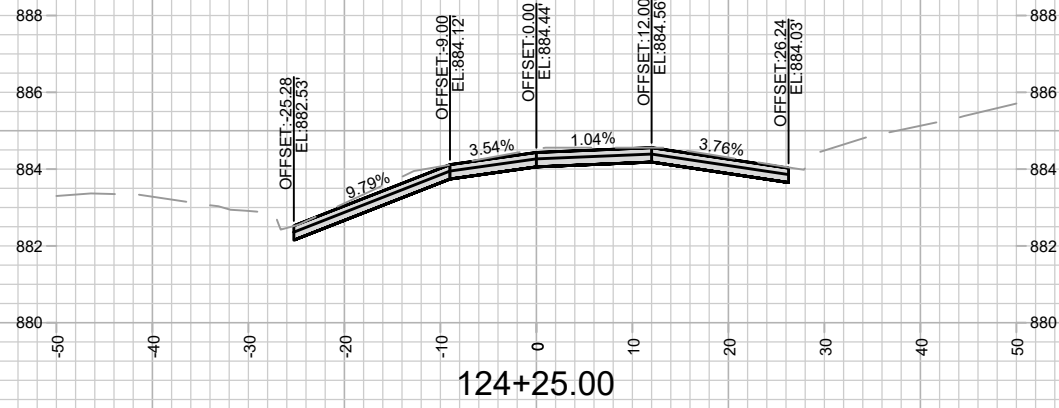
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14389
 WEST WASHINGTON AVENUE - CROSS SECTIONS
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
 MADISON, WI
 CONTRACT NO: 8746
 M:\DESIGN\Projects\14389\CAD\Streets\14389EN-Corridor.dwg



14389
 X-4

REVISION 2:
ADDED SECONDARY CROWNS



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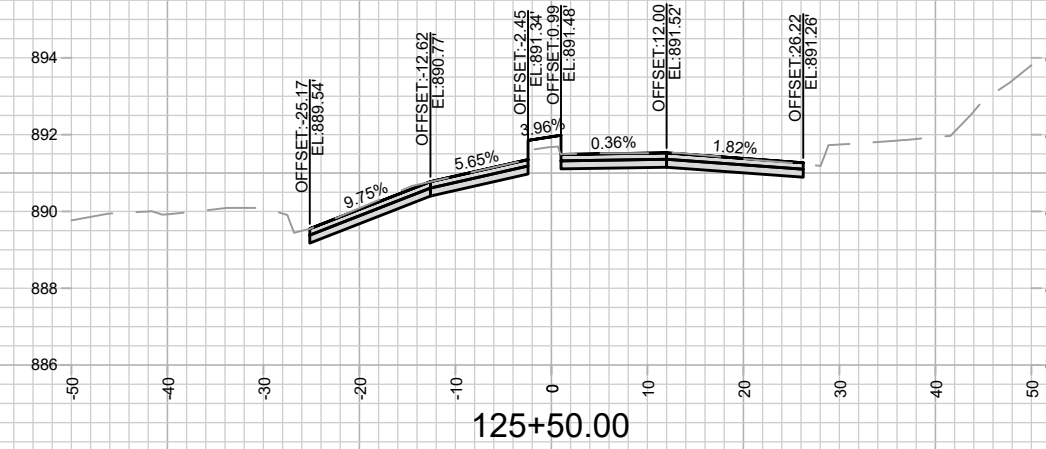
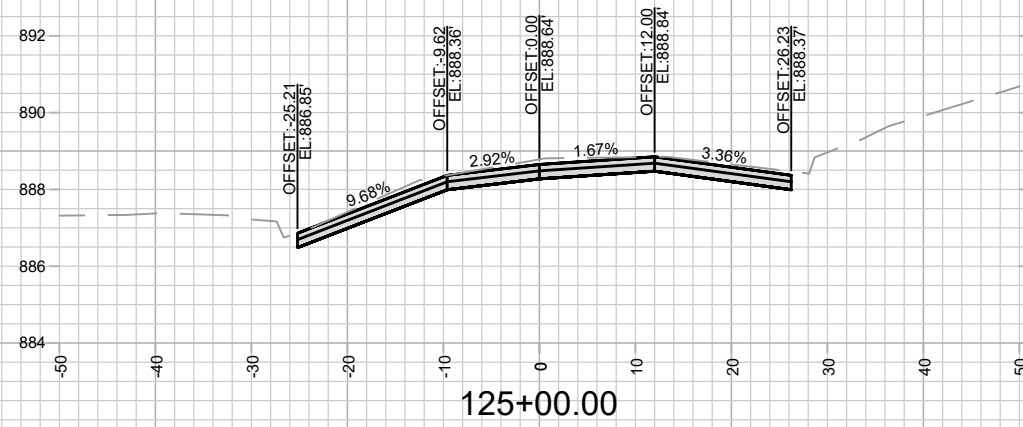
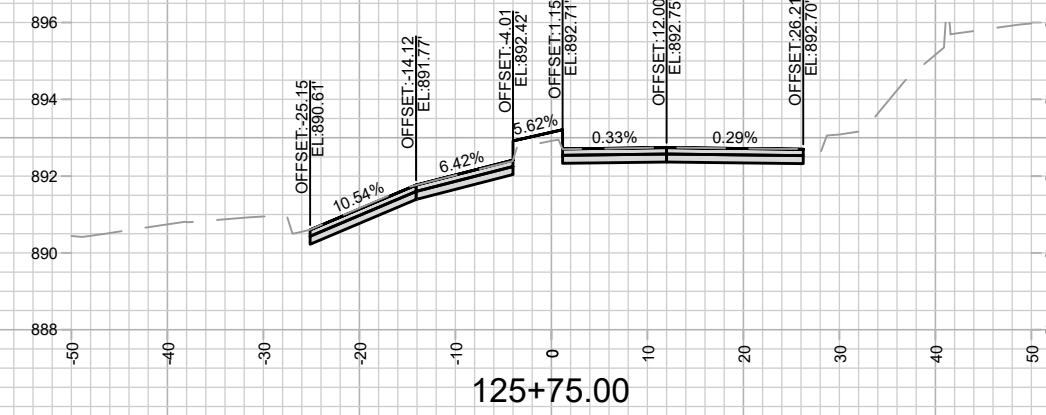
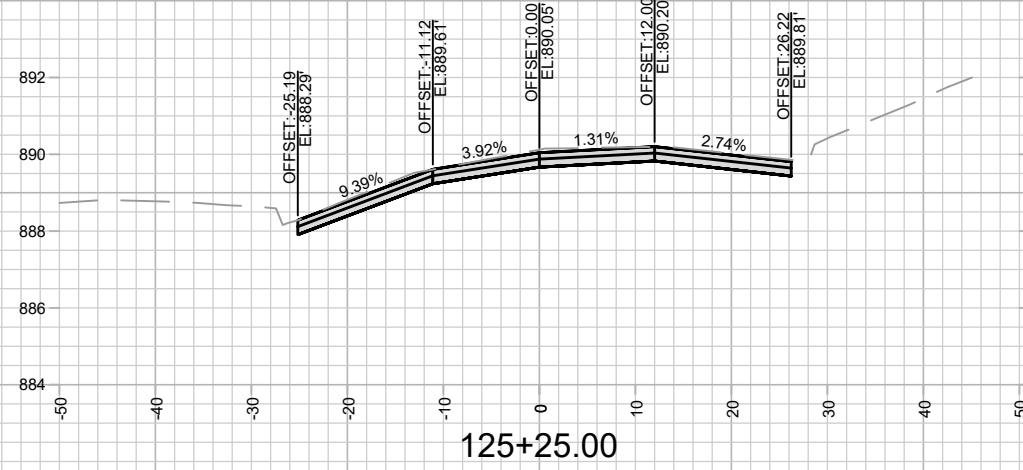
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14389
WEST WASHINGTON AVENUE - CROSS SECTIONS
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
MADISON, WI
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CONTRACT NO: 8746



14389
X-5

REVISION 2:
ADDED SECONDARY CROWNS



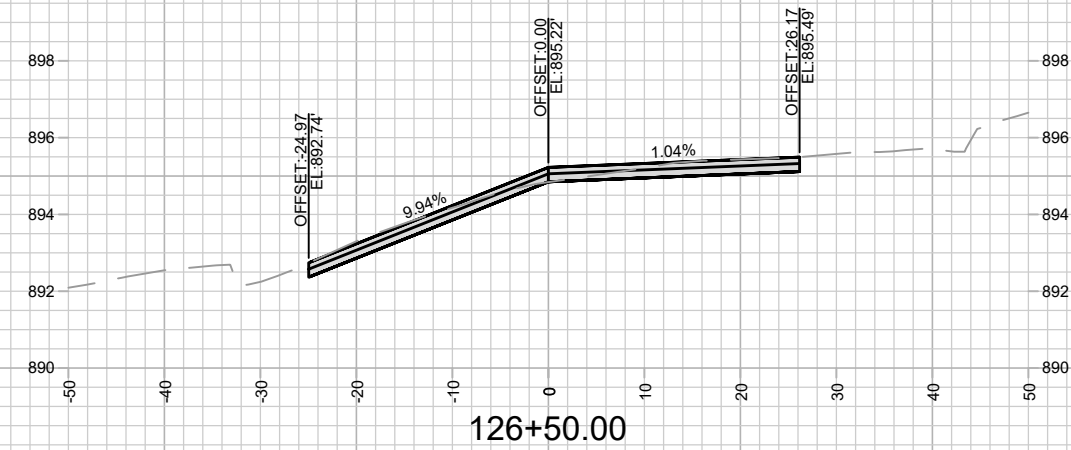
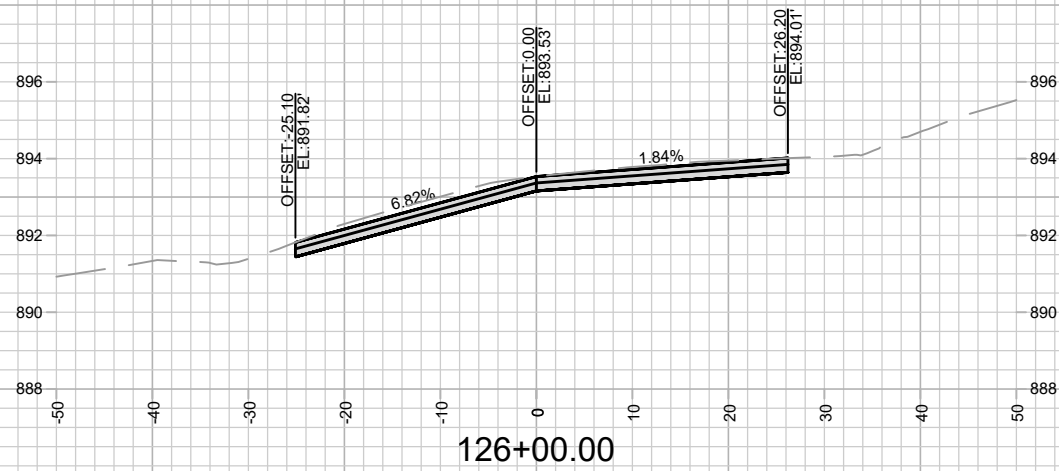
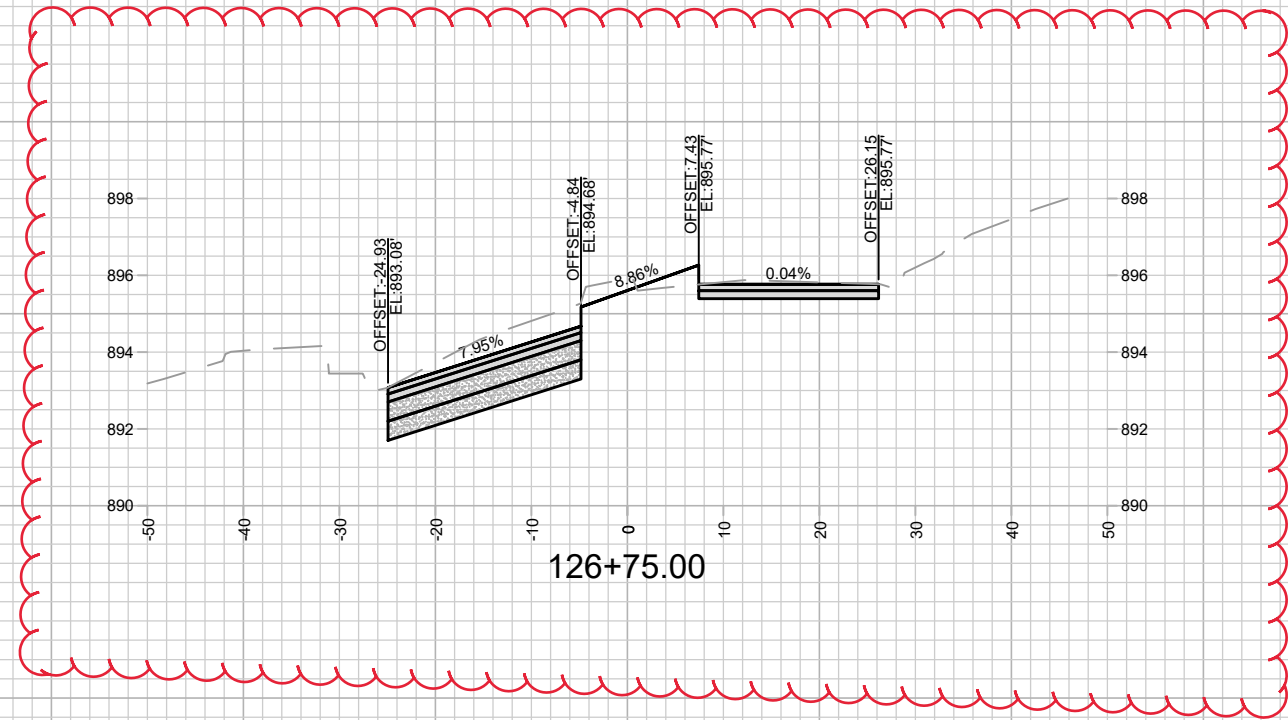
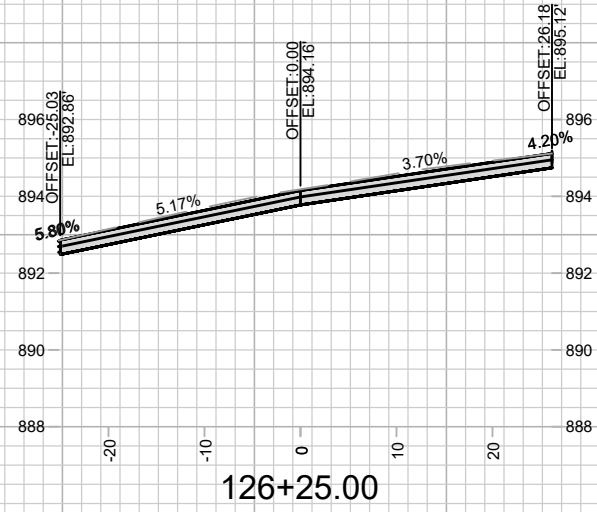
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14389
WEST WASHINGTON AVENUE - CROSS SECTIONS
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
MADISON, WI
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8746
CONTRACT NO:



14389
X-6

ADDENDUM NOTE:
ADJUSTED GRADES TO
REDUCE CROSS SLOPES



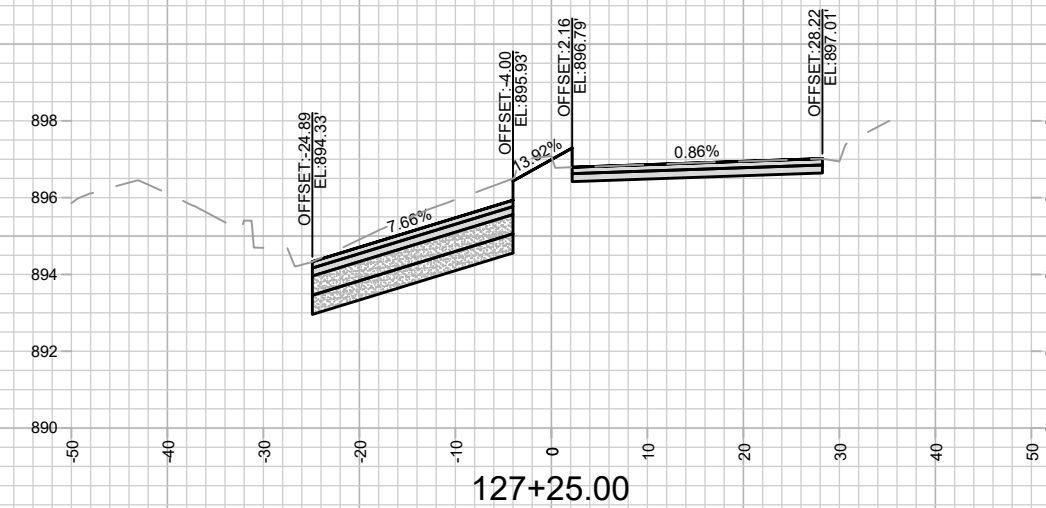
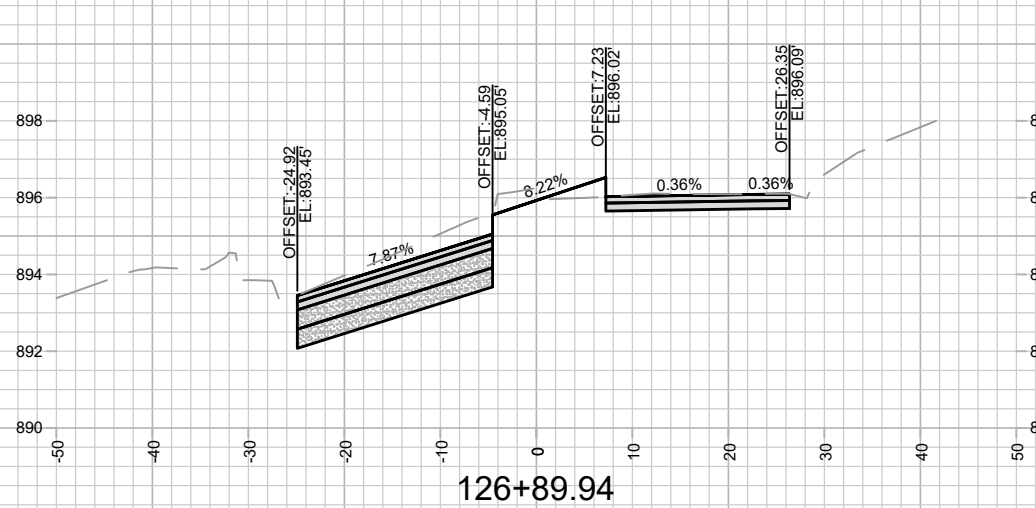
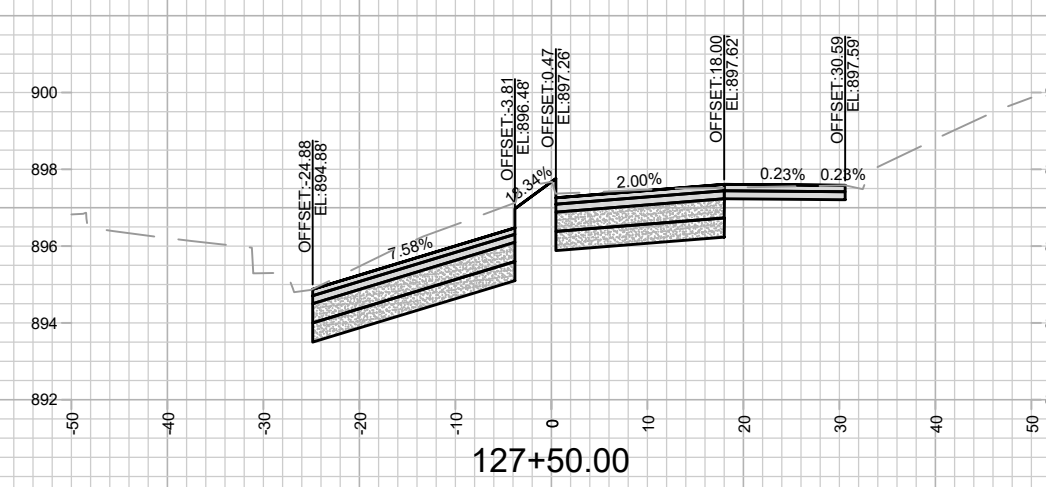
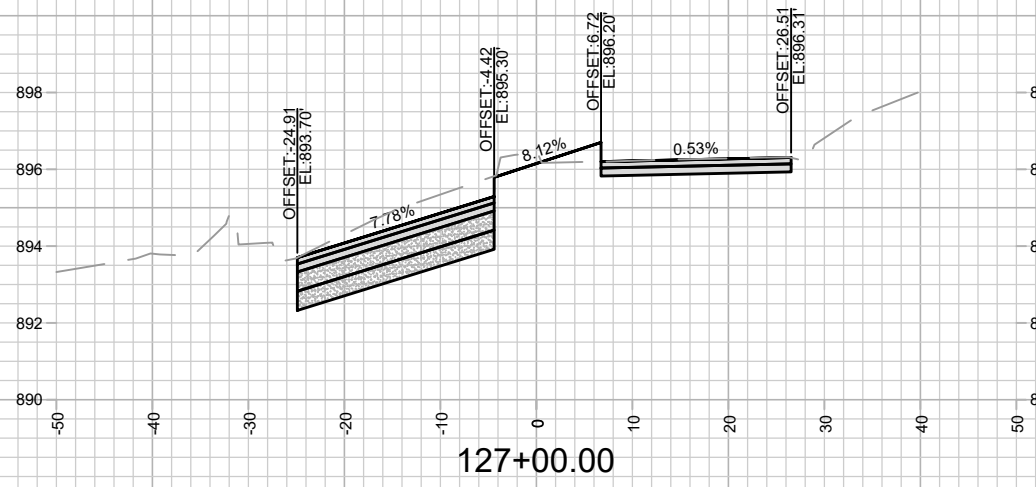
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| DATE | |
| REVISION | |
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WEST WASHINGTON AVENUE - CROSS SECTIONS
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MADISON, WI
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ADDENDUM NOTE:
ADJUSTED GRADES TO
REDUCE CROSS SLOPES



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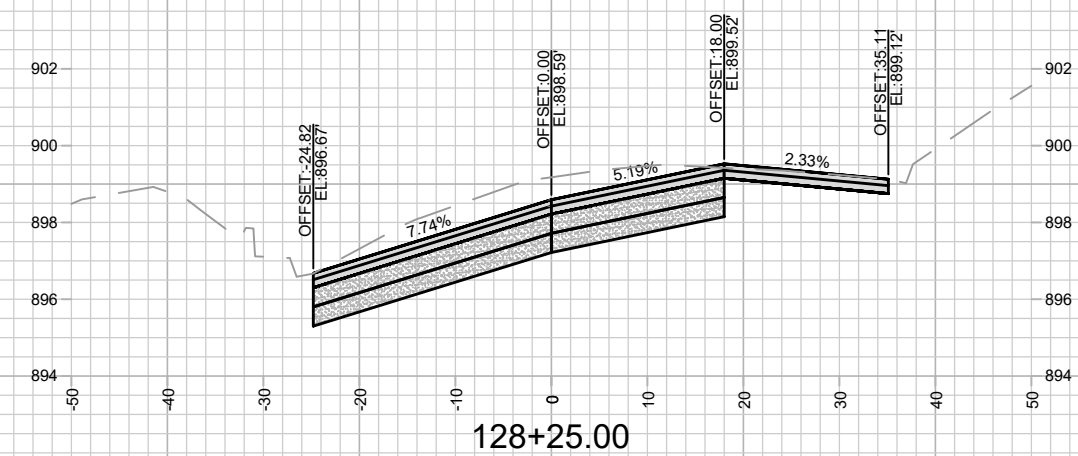
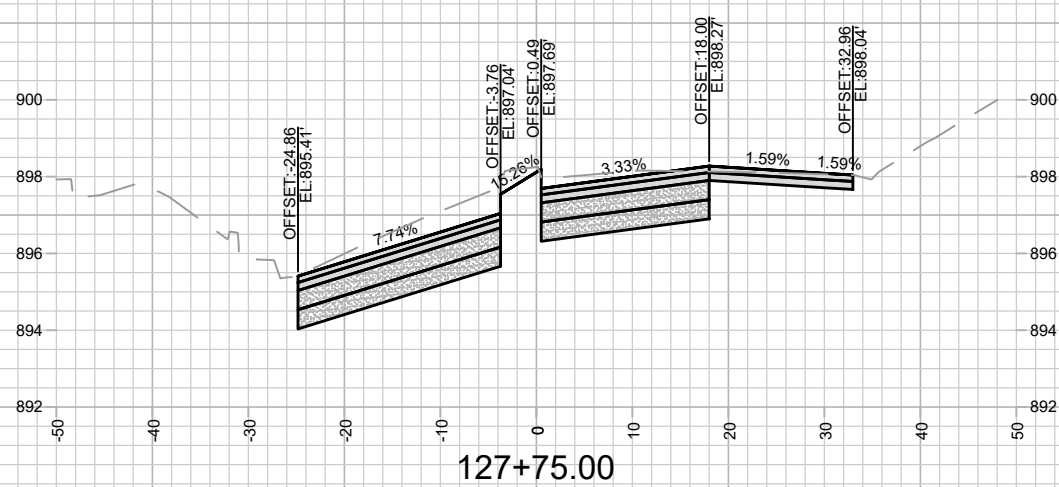
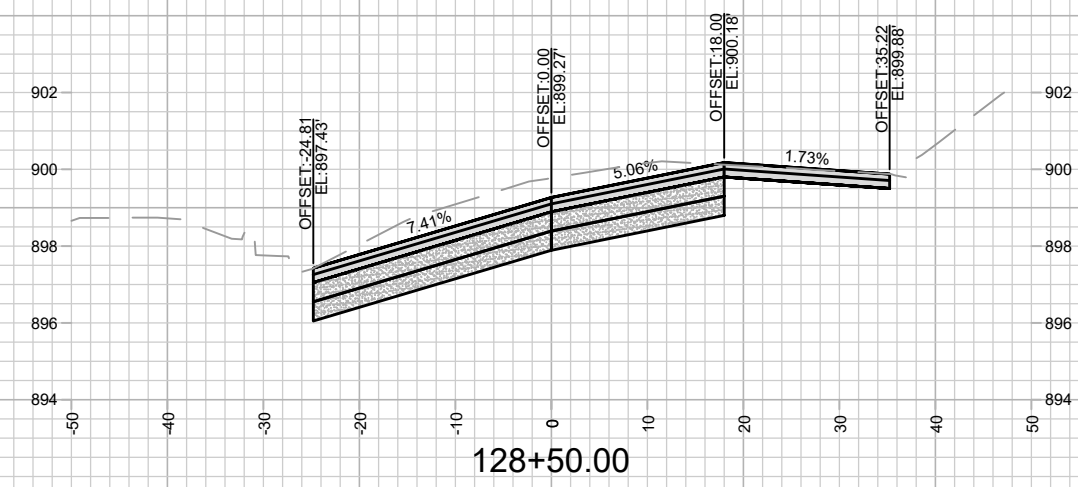
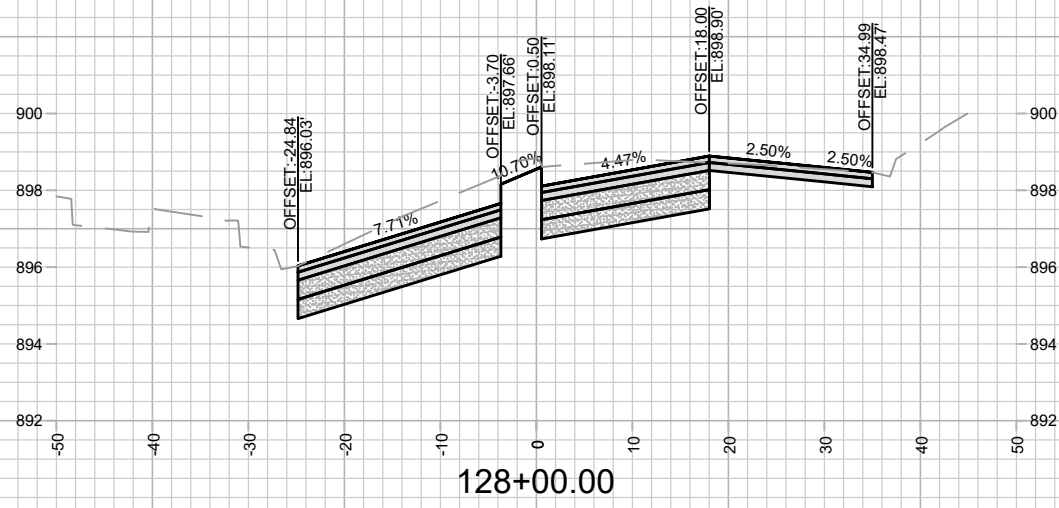
14389 X-8

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 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING MADISON, WI
 CONTRACT NO: 8746
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ADDENDUM NOTE:
ADJUSTED GRADES TO
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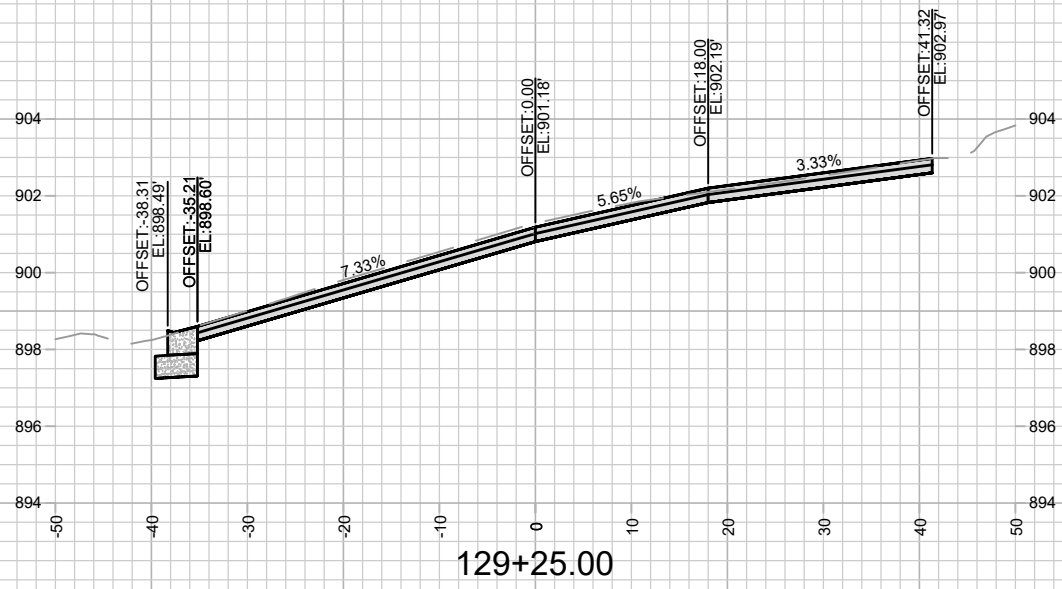
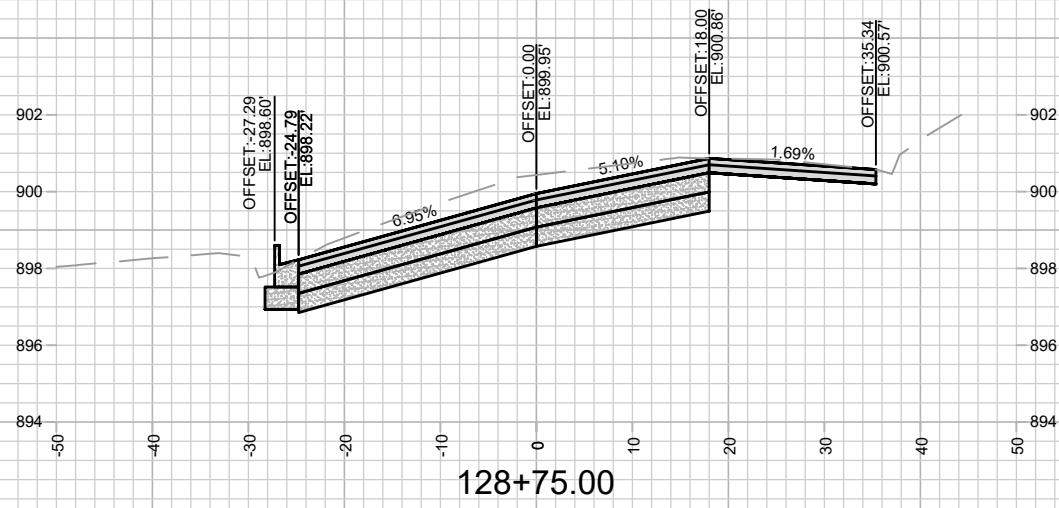
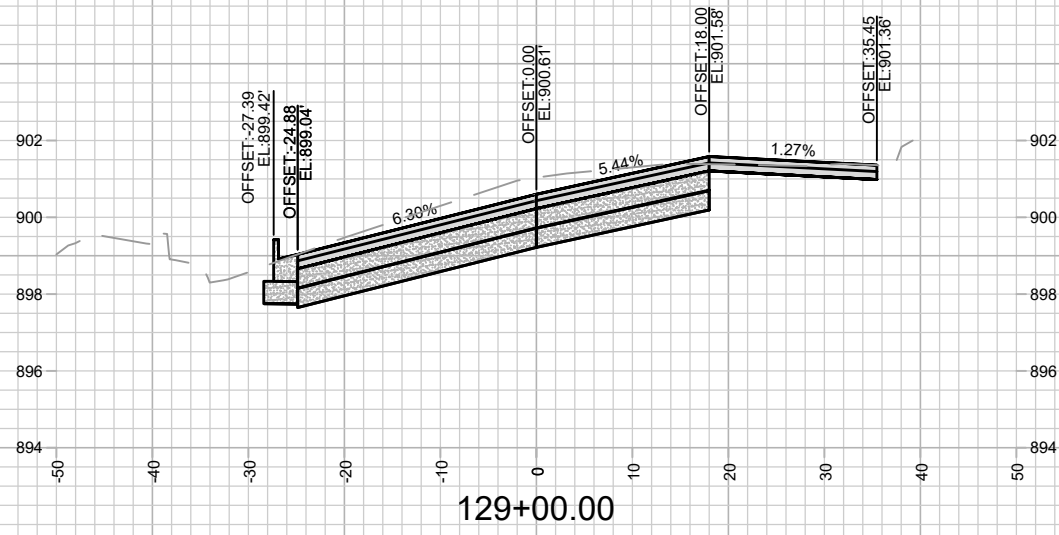
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 WEST WASHINGTON AVENUE - CROSS SECTIONS
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 MADISON, WI
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ADDENDUM NOTE:
ADJUSTED GRADES TO
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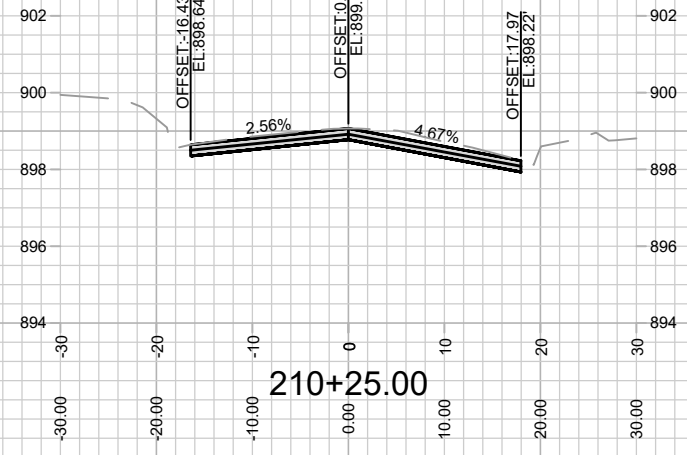
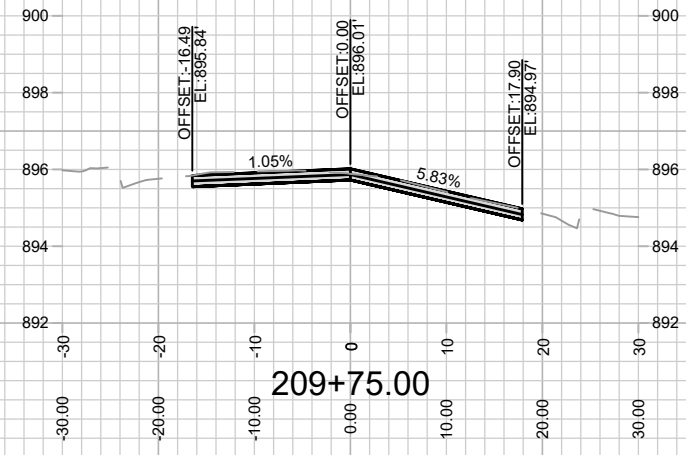
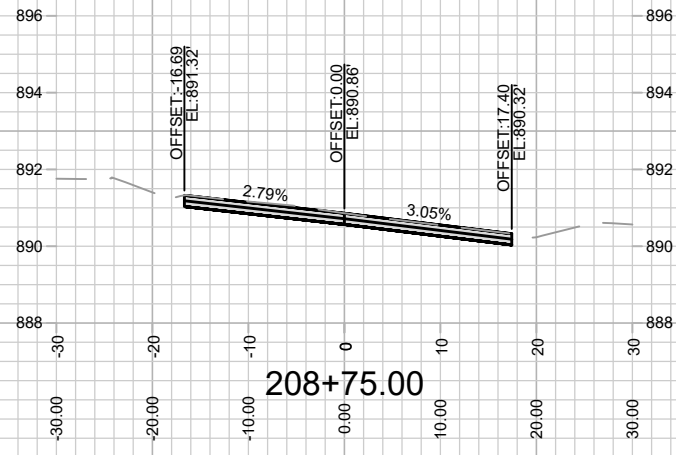
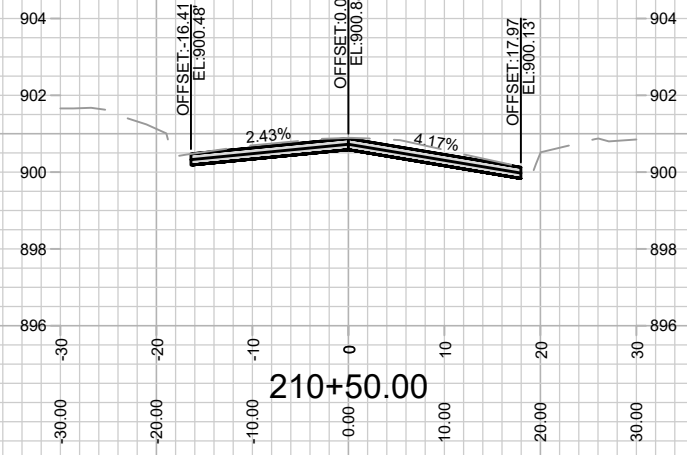
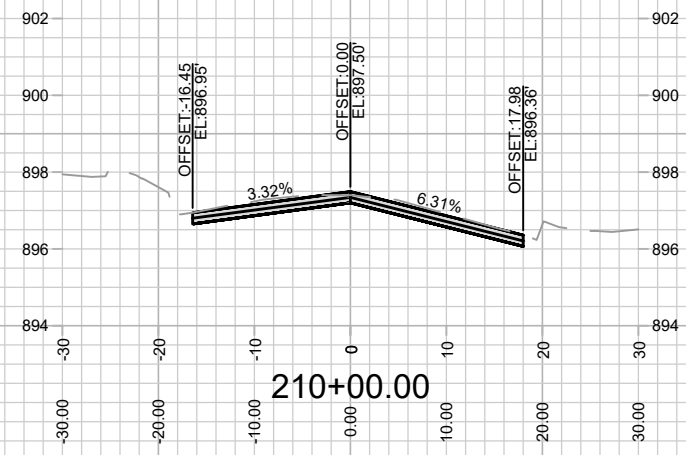
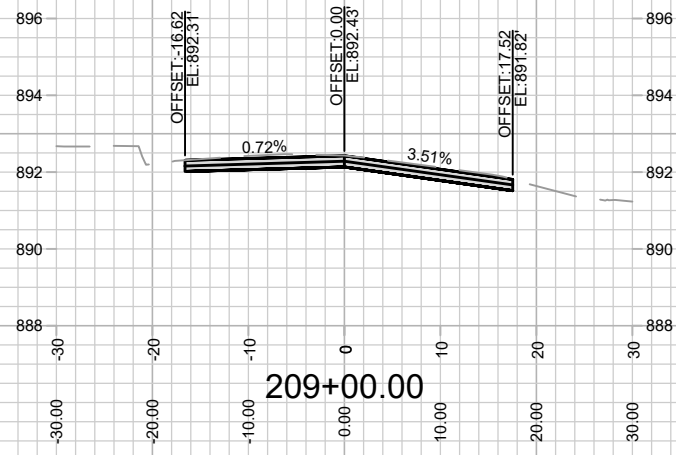
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WEST WASHINGTON AVENUE - CROSS SECTIONS
MADISON, WI
WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
CONTRACT NO: 8746



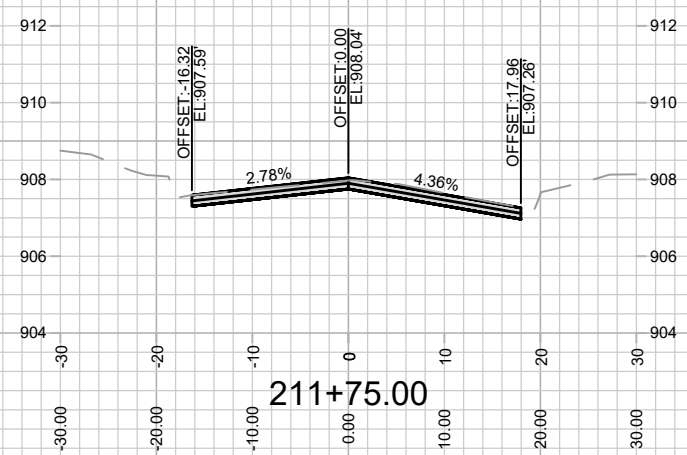
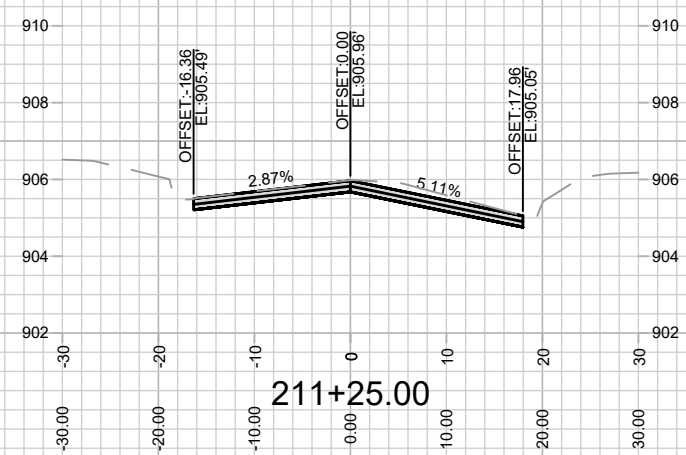
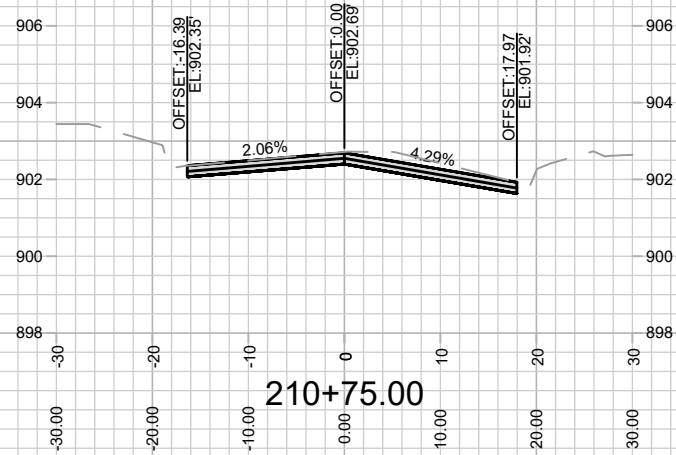
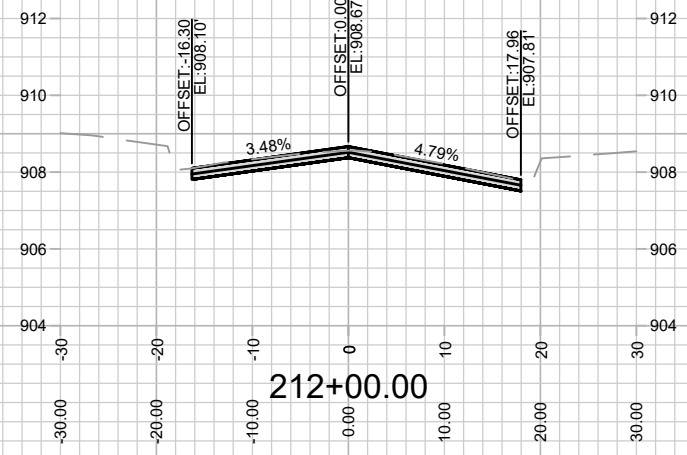
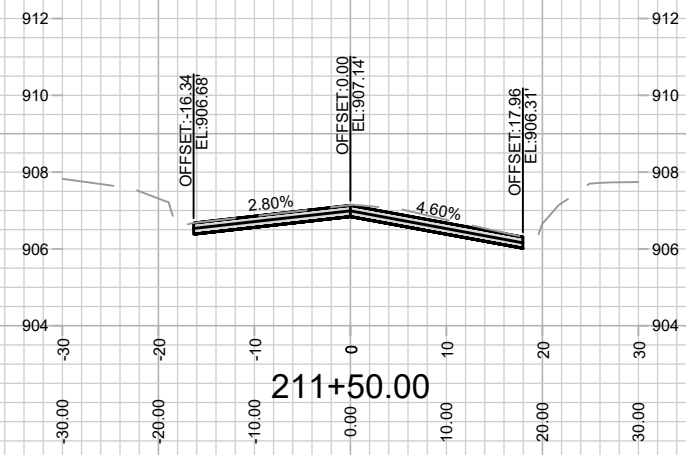
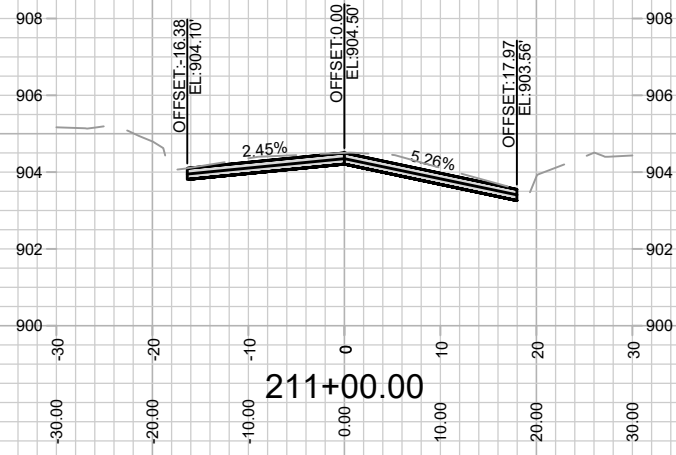
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 HENRY STREET - CROSS SECTIONS
 WEST WASHINGTON AVENUE AND HENRY STREET RESURFACING
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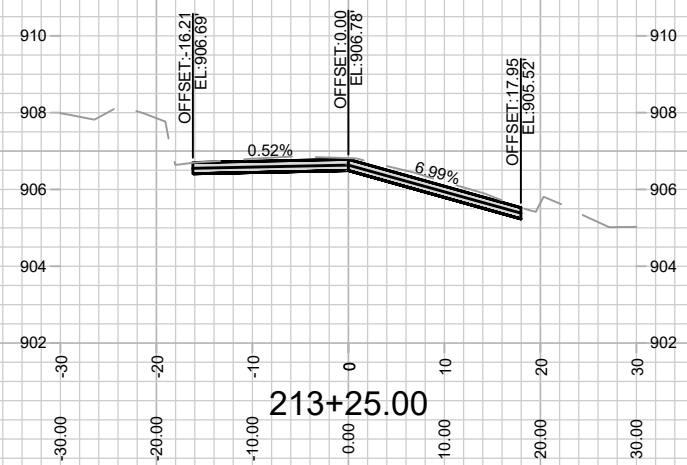
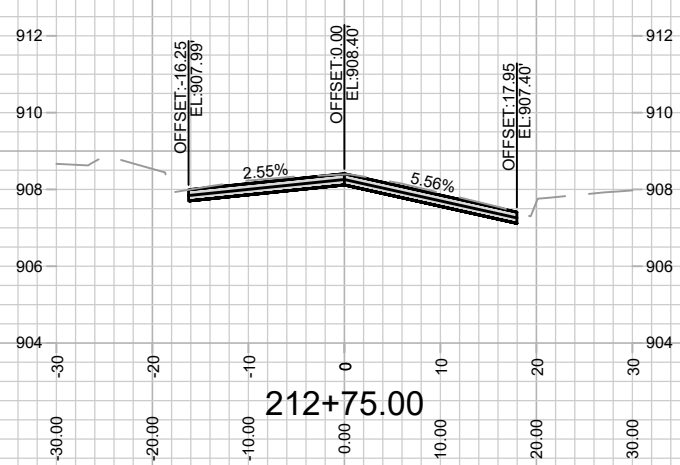
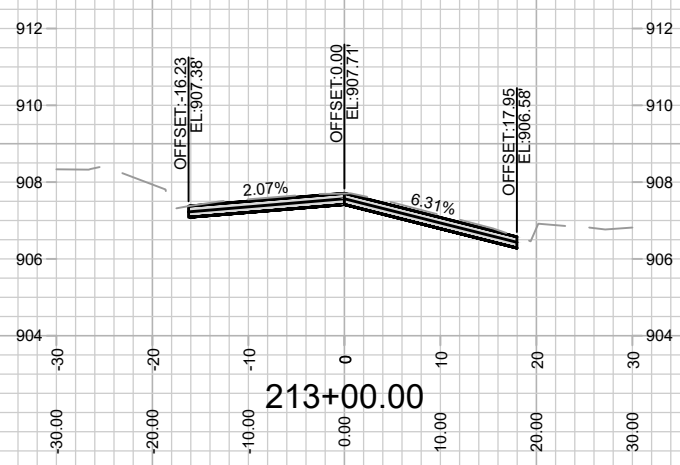
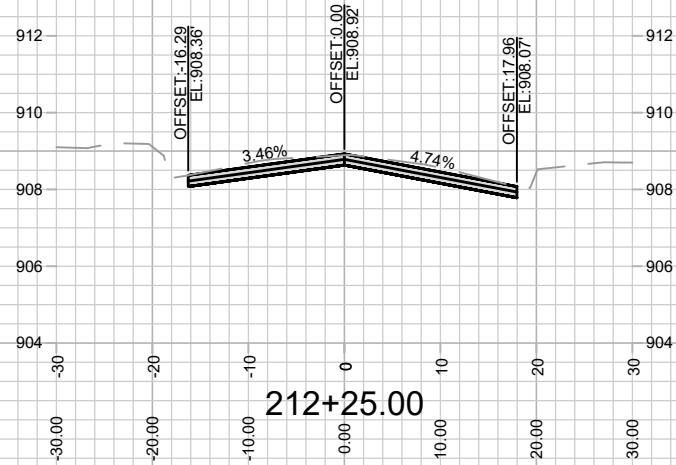
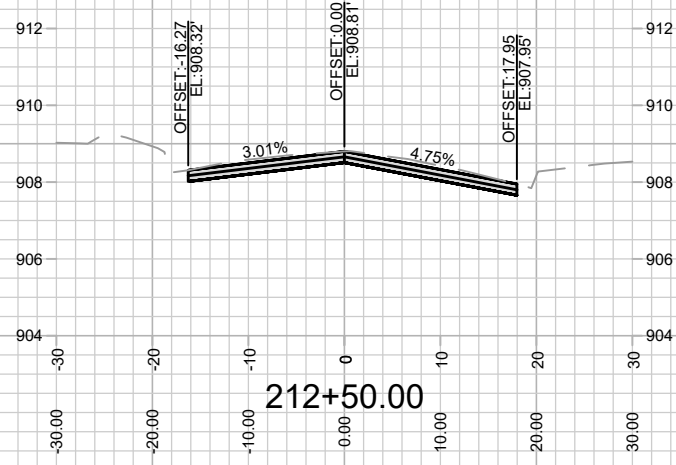


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