



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

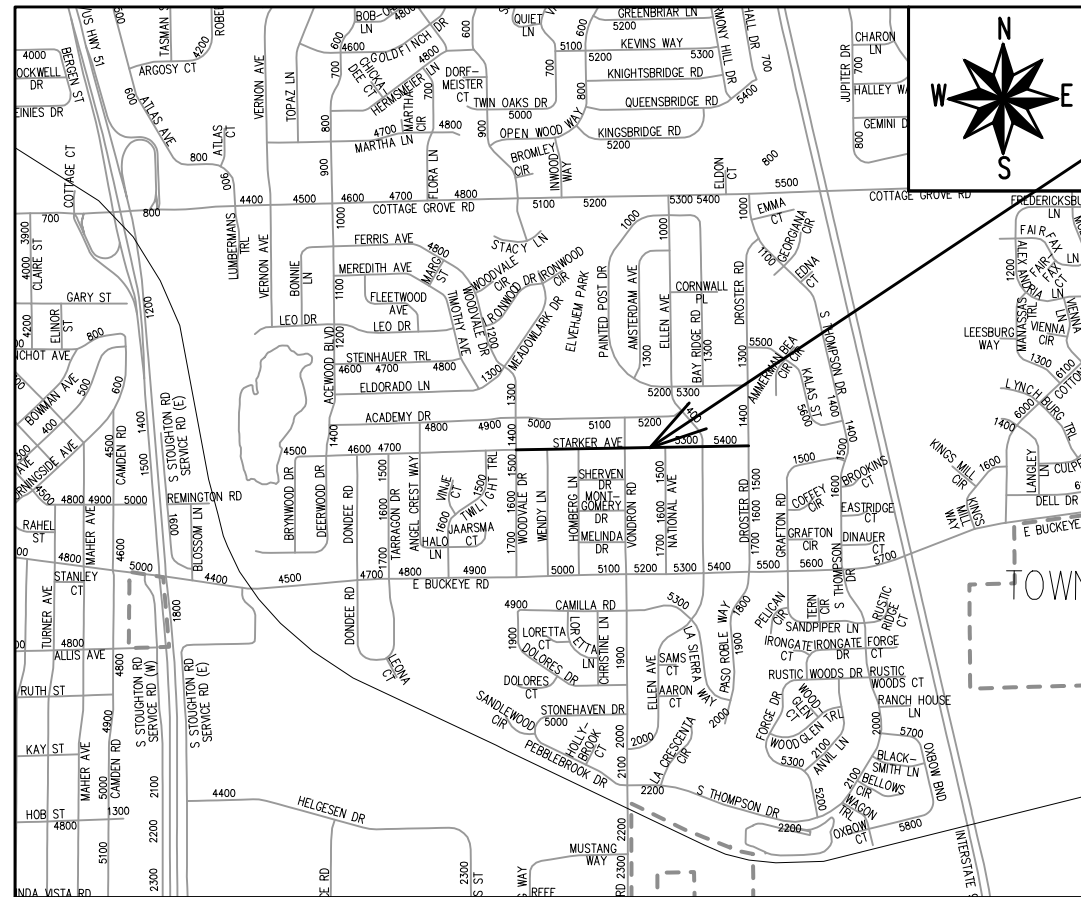
# PLAN OF PROPOSED IMPROVEMENT

#### INDEX OF SHEETS

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SHEET NO. D2	SIGN DETAIL
SHEET NO. D3	TREE EXCAVATION DETAIL
SHEET NO. EC1-EC5	EROSION CONTROL PLANS
SHEET NO. P1-P5	STREET PLAN & PROFILES
SHEET NO. U1-U5	UTILITY PLAN & PROFILES
SHEET NO. U6-U7	SANITARY SEWER SCHEDULE
SHEET NO. U8-U9	STORM SEWER SCHEDULE
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SHEET NO. W10	WATER IMPACT PLAN
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SHEET NO. PM1-PM5	PAVEMENT MARKING PLANS
SHEET NO. X1-X14	CROSS SECTIONS

## STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024

CITY PROJECT NO. 14780  
CONTRACT NO. 8759



### PROJECT LOCATION

PUBLIC IMPROVEMENT PROJECT APPROVED

APRIL 16, 2024

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Oct 29, 2024

City Engineer

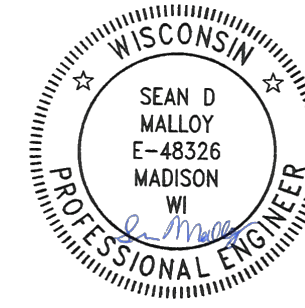
Date

STREET DESIGNED BY:



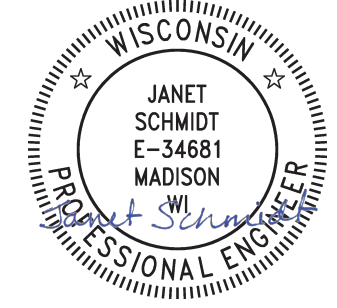
Oct 29, 2024

PAVEMENT MARKING DESIGNED BY:



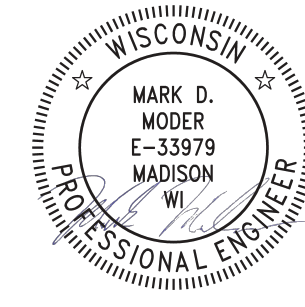
Oct 29, 2024

STORM SEWER DESIGNED BY:



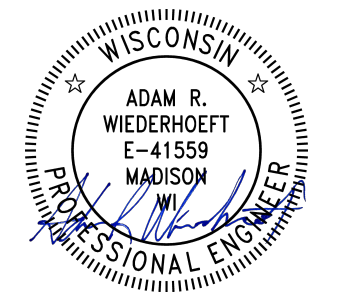
Oct 31, 2024

SANITARY SEWER DESIGNED BY:



Nov 4, 2024

WATER DESIGNED BY:



Oct 29, 2024

#### EARTH WORK SUMMARY:

EXCAVATION CUT (MEASURED PLAN QUANTITY) = 4,000 C.Y.

ESTIMATED UNDISTRIBUTED UNDERCUT = 700 C.Y.

TOTAL UNCLASSIFIED EXCAVATION CUT = 4,700 C.Y.

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%.

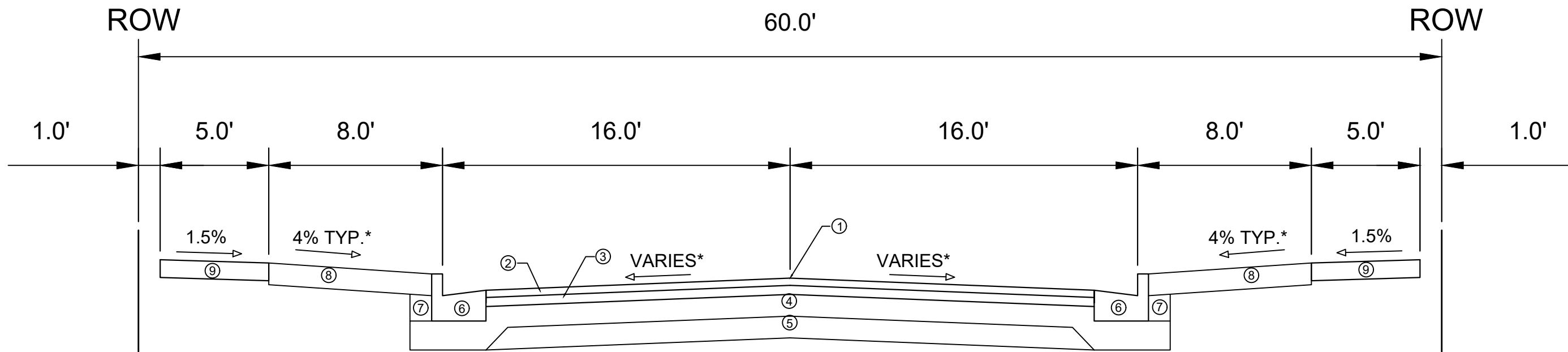
- CITY MAINTENANCE PLAN NOT REQUIRED

PLOT SCALE: 1:1\_XREF

PLOT NAME: ---

REV. DATE: 8/22/2024 9:32 PM

ORIGINATOR: CITY\_OF\_MADISON



TYPICAL SECTION  
STARKER AVENUE

SPECIAL NOTES:

\*SEE X SHEETS FOR CROSS SLOPES

- ① POINT REFERRED TO ON PROFILE
- ② 2.00" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S
- ③ 2.50" H.M.A. PAVEMENT- TYPE 3 LT 58-28 S
- ④ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- ⑤ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- ⑥ CONCRETE CURB AND GUTTER TYPE 'A'.
- ⑦ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑧ 6" TOPSOIL, SEED AND EROSION MATTING
- ⑨ 5" CONCRETE SIDEWALK, REMOVE AND REPLACE AS SHOWN ON THE P-SHEETS OR AS DIRECTED BY THE ENGINEER

MARK	REVISION	DATE	BY
14780			
Designed By: #	Date: 10/14/2024 5:05 PM	Scale:	D-1

14780  
MADISON, WI  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
CONTRACT NO: 8759  
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14780  
D-1



Notes:

1. COLOR
  - BACKGROUND = ORANGE
  - MESSAGE = BLACK
  - BORDER = BLACK
2. LETTERING SERIES = C
3. MINIMUM SIGN REFLECTIVITY = HIGH INTENSITY PRISMATIC GRADE
4. SIGN MATERIAL MAY BE PLASTIC OR METAL
5. CONTRACTOR SHALL MAINTAIN SIGNS FOR DURATION OF PROJECT ATTACHED TO TYPE III BARRICADE



MARK	REVISION	DATE	BY

14780	14780
MADISON, WI	8759
CONTRACT NO:	
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024	
SIGN DETAIL	

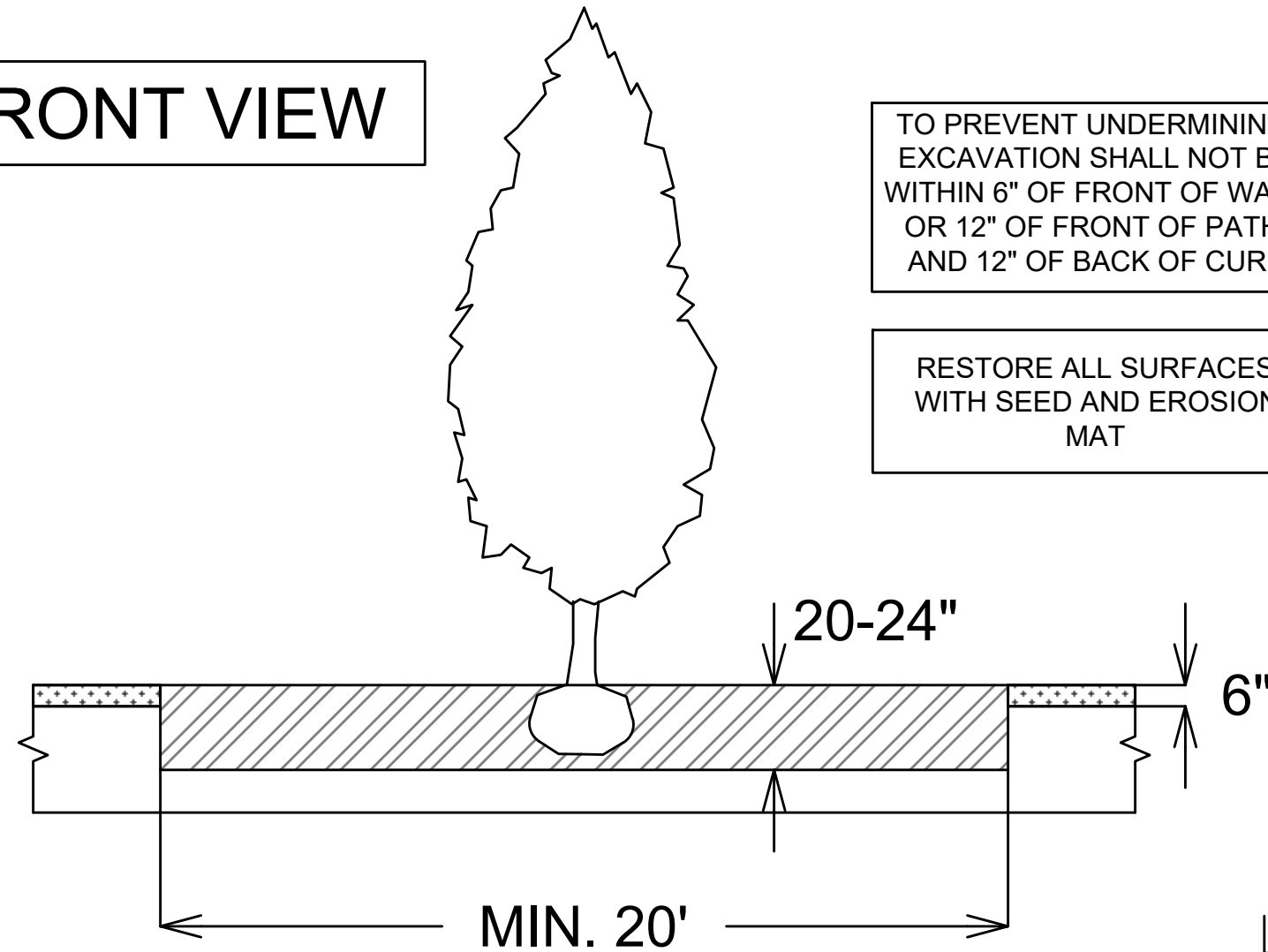


Designed By: A.H.    Date: 10/14/2024 5:06 PM    Scale:    D-2

**TERRACE EXCAVATION FOR TREE PLANTING:**

THIS INCLUDES ALL WORK NECESSARY TO EXCAVATE AREAS WITHIN GRASS TERRACES TO AN APPROPRIATE DEPTH SUITABLE FOR NEW TREE PLANTINGS. ALL WORK SHALL BE IN ACCORDANCE WITH ARTICLE 201 OF THE STANDARD SPECIFICATIONS. THE PROPOSED LOCATIONS FOR TREE PLANTINGS ARE IDENTIFIED ON THE LANDSCAPING PLAN INCLUDED WITHIN THIS PLAN SET. PRIOR TO THE CONTRACTOR STARTING THE EXCAVATION WORK, THE ENGINEER AND FORESTRY REPRESENTATIVE SHALL REVIEW THE PLAN LOCATIONS ON-SITE AND CONFIRM THAT NO CONFLICTS ARE ANTICIPATED. ONCE THE LOCATIONS MARKED, THE CONTRACTOR SHALL EXCAVATE THE TERRACE AREA TO A SUITABLE DEPTH FOR NEW TREE PLANTINGS, APPROXIMATELY TWENTY (20) INCHES TO TWENTY-FOUR (24) INCHES. THE TERRACE SHALL BE EXCAVATED TO A MINIMUM LENGTH OF TWENTY (20) FEET, BUT THAT MAY BE REDUCED BY THE CONSTRUCTION ENGINEER TO FIT SITE CONSTRAINTS AS NECESSARY. THE WIDTH OF THE TERRACE SHALL ALSO BE EXCAVATED TO AS CLOSE TO THE SIDEWALK/PATH AND CURB AS IS REASONABLE. WHILE PERFORMING THE EXCAVATION, THE CONTRACTOR SHALL TAKE CARE TO NOT UNDERMINE OR DAMAGE THE ADJACENT CURB OR SIDEWALK. IF DAMAGED DURING THE EXCAVATION PROCESS, THE DEVELOPER SHALL REPLACE CURB OR SIDEWALK/PATH AT THEIR COST. ONCE THE AREA IS EXCAVATED, THE CONTRACTOR SHALL BACKFILL THE EXCAVATED AREA WITH REGULAR TOPSOIL, AND THE SURFACE SHALL BE RESTORED WITH SEED AND EROSION MAT.

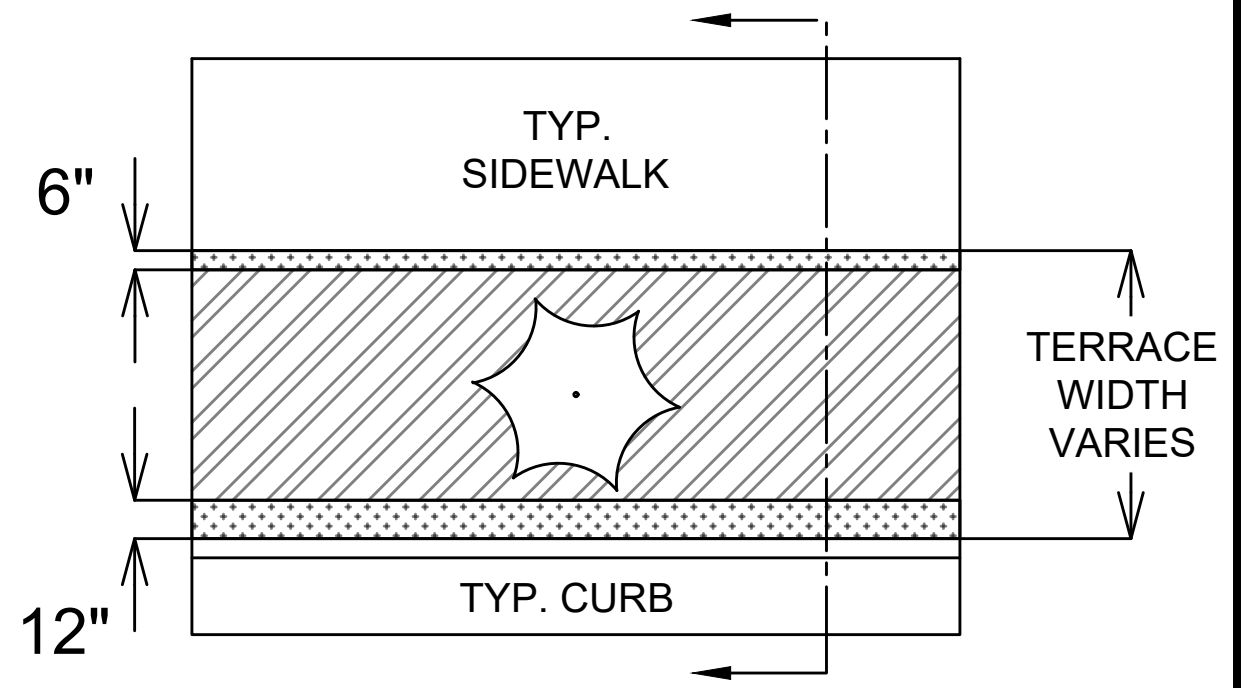
**FRONT VIEW**



TO PREVENT UNDERMINING, EXCAVATION SHALL NOT BE WITHIN 6" OF FRONT OF WALK OR 12" OF FRONT OF PATH, AND 12" OF BACK OF CURB

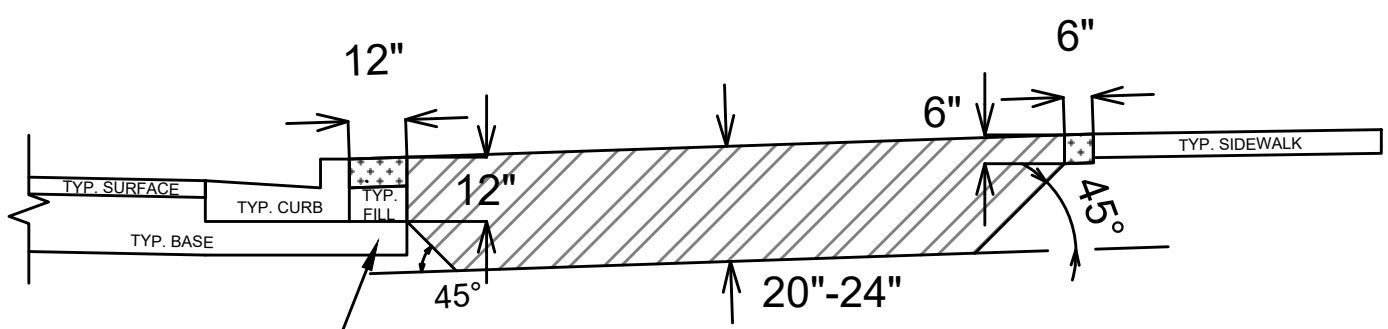
RESTORE ALL SURFACES WITH SEED AND EROSION MAT

**TOP VIEW**



**LEGEND**

- AREA TO BE EXCAVATED 20-24" DEEP AND BACKFILLED WITH TOPSOIL
- AREA TO BE 6" TOPSOIL



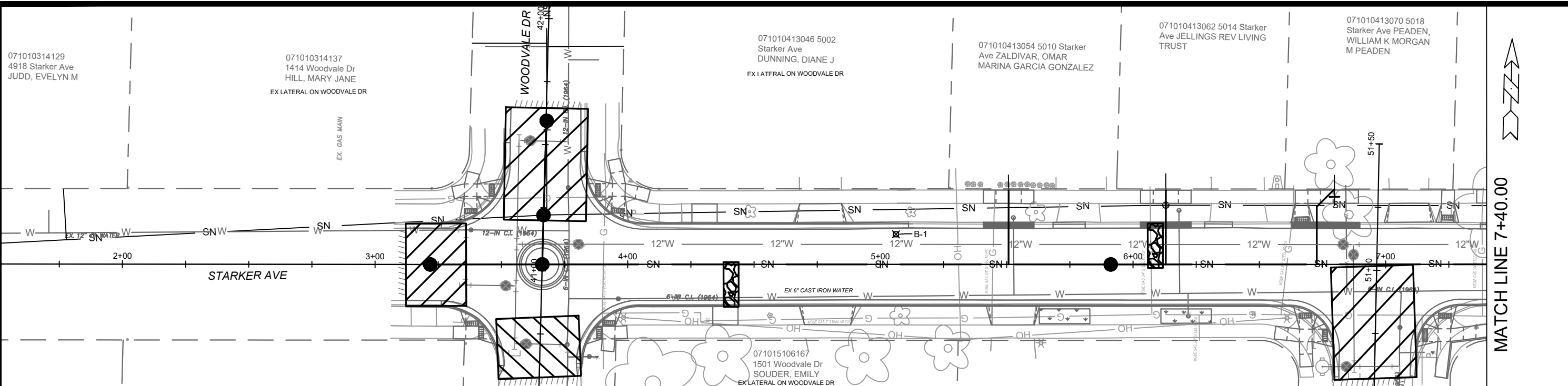
**SECTION VIEW**

12" BASE EXTENSION BEHIND CURB

**SPECIAL NOTES:**

REFER TO S.D.D. 2.01 FOR STANDARD PLANTING TECHNIQUE FOR TREES IN TURF AREAS.

DATE	BY
REVISION	Scale: D-3
MARK	Designed By: #14780
14780	8759
CONTRACT NO:	
TREE EXCAVATION DETAIL	
14780 MADISON, WI	
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024	
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CITY OF MADISON WISCONSIN	
14780	D-3



071010314129  
4918 Starker Ave  
JUDD, EVELYN M

071010314137  
1414 Woodvale Dr  
HILL, MARY JANE  
EX LATERAL ON WOODVALE DR

071010413046 5002  
Starker Ave  
DUNNING, DIANE J  
EX LATERAL ON WOODVALE DR

071010413054 5010 Starker  
Ave ZALDIVAR, OMAR  
MARINA GARCIA GONZALEZ

071010413062 5014 Starker  
Ave JELLINGS REV LIVING  
TRUST

071010413070 5018  
Starker Ave PEADEN,  
WILLIAM K MORGAN  
M PEADEN

071015201165 1501  
Twilight Trl BALDIS,  
BRIAN W & NATALIE  
L BALDIS

071015201157 1502  
Woodvale Dr COLEMAN,  
LYNN ELLEN SAMMUEL  
COLEMAN

071015106167  
1501 Woodvale Dr  
SOUDEK, EMILY  
EX LATERAL ON WOODVALE DR

**EROSION CONTROL NOTES:**

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

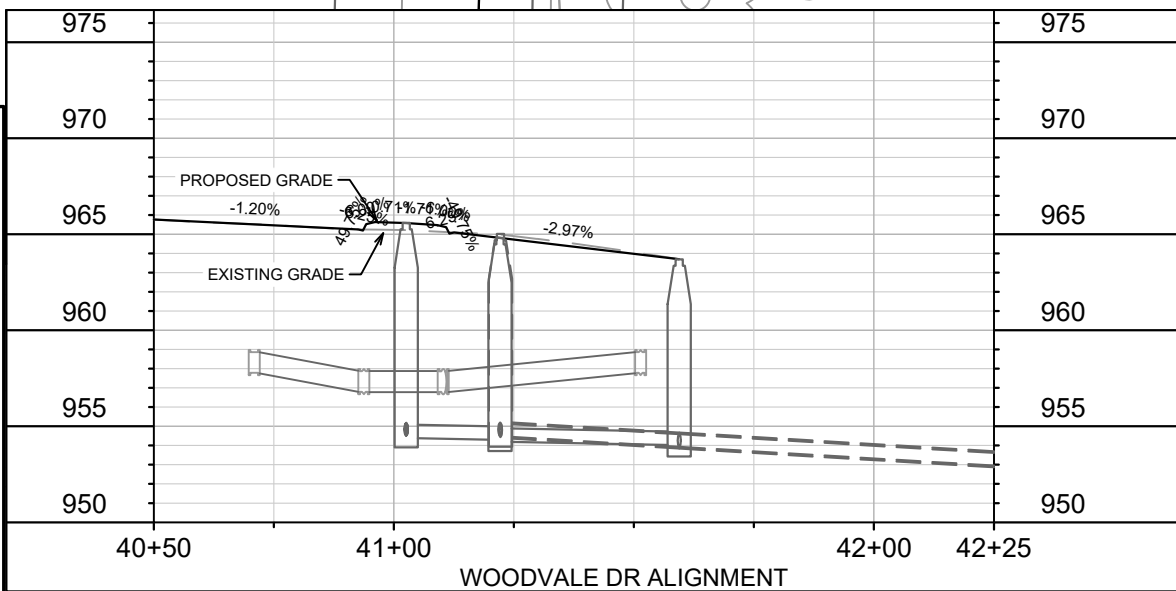
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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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 VONDROON ROAD AND SHERVEN DRIVE (FOUR TOTAL). ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.

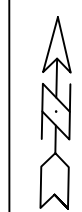
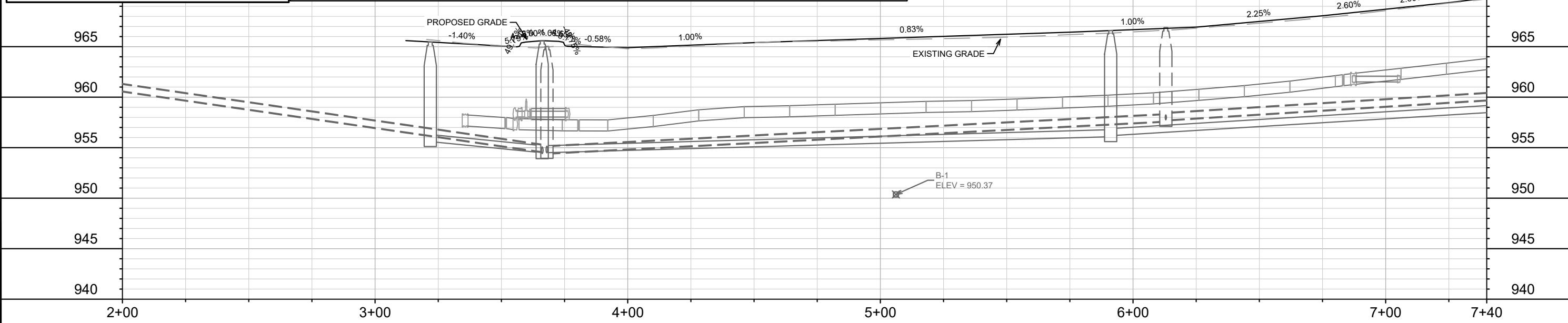
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.



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)



MATCH LINE 7+40.00

MARK	REVISION	DATE	BY
14780	14780	10/25/2024	10:11 AM

Designed By: ##  
Scale: 1" = 40'

14780  
MADISON, WI  
EROSION CONTROL PLAN - STARKER AVE & WOODVALE DR  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
CONTRACT NO.: 8759  
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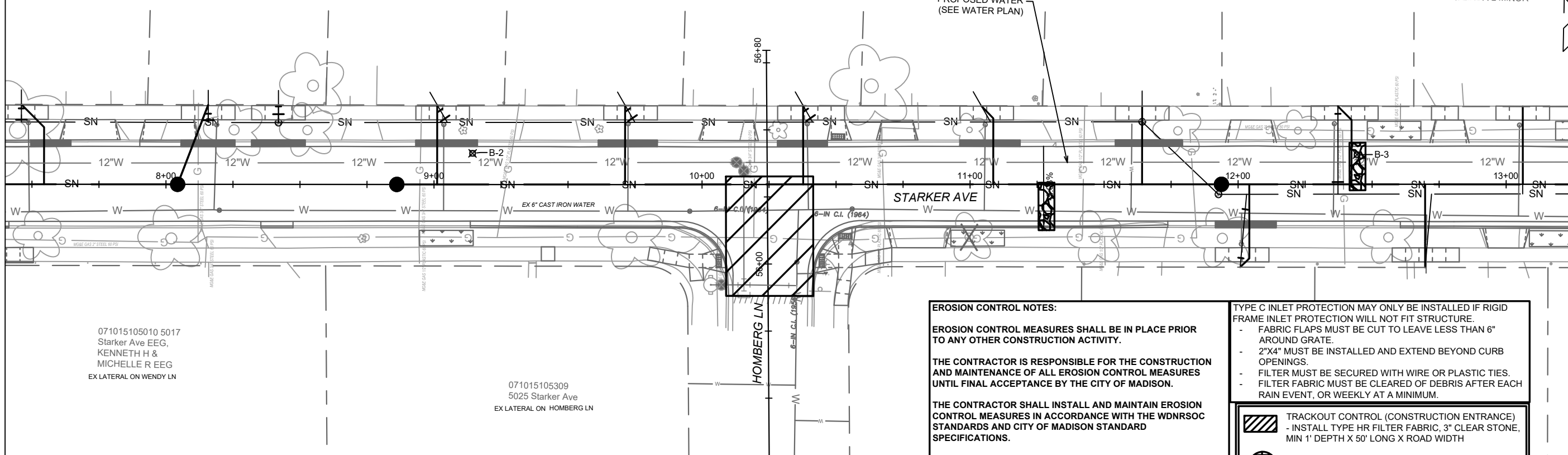


14780  
EC-1

MATCH LINE 7+40.00

MATCH LINE 13+25.00

071010413088 5022 Starker Ave  
 071010413096 5026 Starker Ave LENZENDORF, SAMANTHA  
 071010413103 5030 Starker Ave GEST, VERNON M & MARIE E  
 071010413111 5034 Starker Ave GREENWOLD, MICHAEL F & LORI J ROBINSON  
 071010413129 5038 Starker Ave ANDRUSZ, JOLIE & JUSTIN SMITH  
 071010413137 5102 Starker Ave NEVERMAN, BRETT  
 071010413145 5104 Starker Ave WILSON, CHRISTOPHER G STEPHEN A PETERSON  
 071010413153 5106 Starker Ave ROTHWELL, CYNTHIA J & RICHARD W ROTHWELL  
 071010413161 5110 Starker Ave MINOR, THOMAS L & LINDA L MINOR



071015105010 5017 Starker Ave EEG, KENNETH H & MICHELLE R EEG EX LATERAL ON WENDY LN

071015105309 5025 Starker Ave EX LATERAL ON HOMBERG LN

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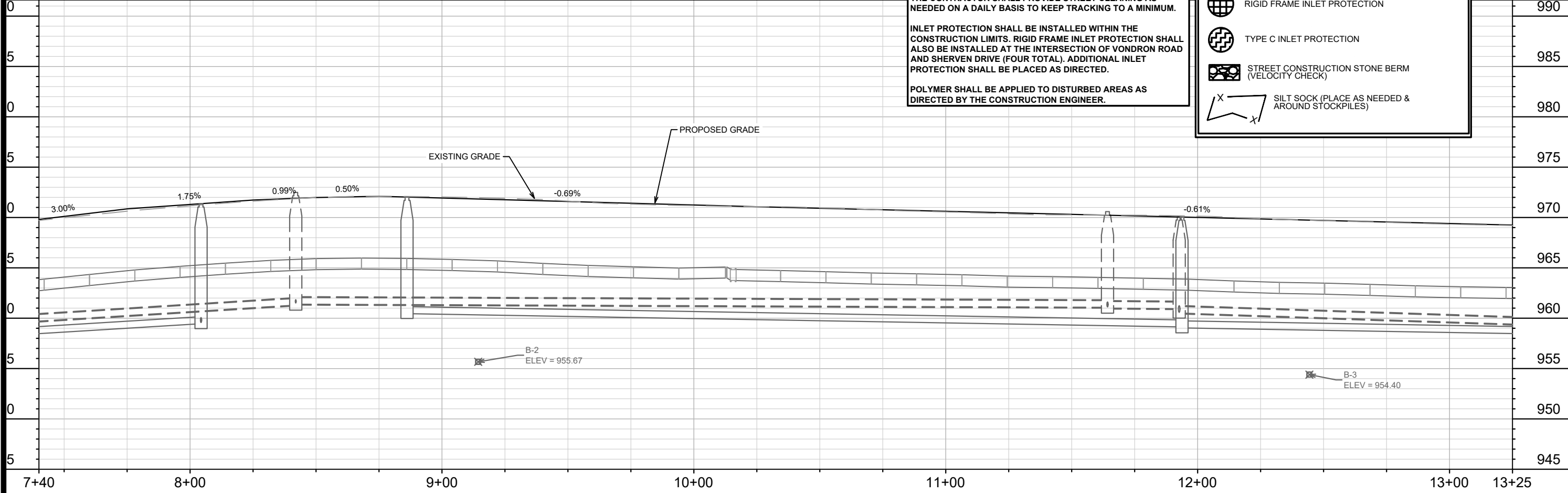
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	RIGID FRAME INLET PROTECTION
	TYPE C INLET PROTECTION
	STREET CONSTRUCTION STONE BERM (VELOCITY CHECK)
	SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)



MARK	REVISION	DATE	BY
14780	Designed By: 10/25/2024 10:11 AM	Scale: 1" = 40'	EC-2

14780  
 MADISON, WI  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 CONTRACT NO.: 8759  
 EROSION CONTROL PLAN - STARKER AVE & HOMBERG LN  
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14780  
 EC-2

MATCH LINE 13+25.00

MATCH LINE 19+00.00

071010413179 5114  
Starker Ave  
JOHNSON, AUDRA J

071010413187 1434  
Vondron Rd  
HOLMSTROM, DALE W &  
JANET S HOLMSTROM

071010412014 1435 Vondron  
Rd WHITE, THADDEUS &  
NICOLE

071010412022 5206  
Starker Ave  
JORGENSEN, SAM C

071010412030 5210  
Starker Ave MIDTHUN,  
STANLEY S & LORI E  
MIDTHUN

071010412048 5214  
Starker Ave  
CERNIGLIA, ANN M

071010412056 5218  
Starker Ave RICHARDS,  
TRAVIS PRUDENCE  
RICHARDS

071015104062 5113  
Starker Ave GRAY,  
TERRY & JOANN S  
CLIFCORN

071015104054 1502 Vondron  
Rd CRONIN, JAMES P &  
KAREN J  
EX LATERAL ON VONDRON RD

071015103296 5213  
Starker Ave GARTON,  
KATHLEEN A  
EX LATERAL ON NATIONAL AVE

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
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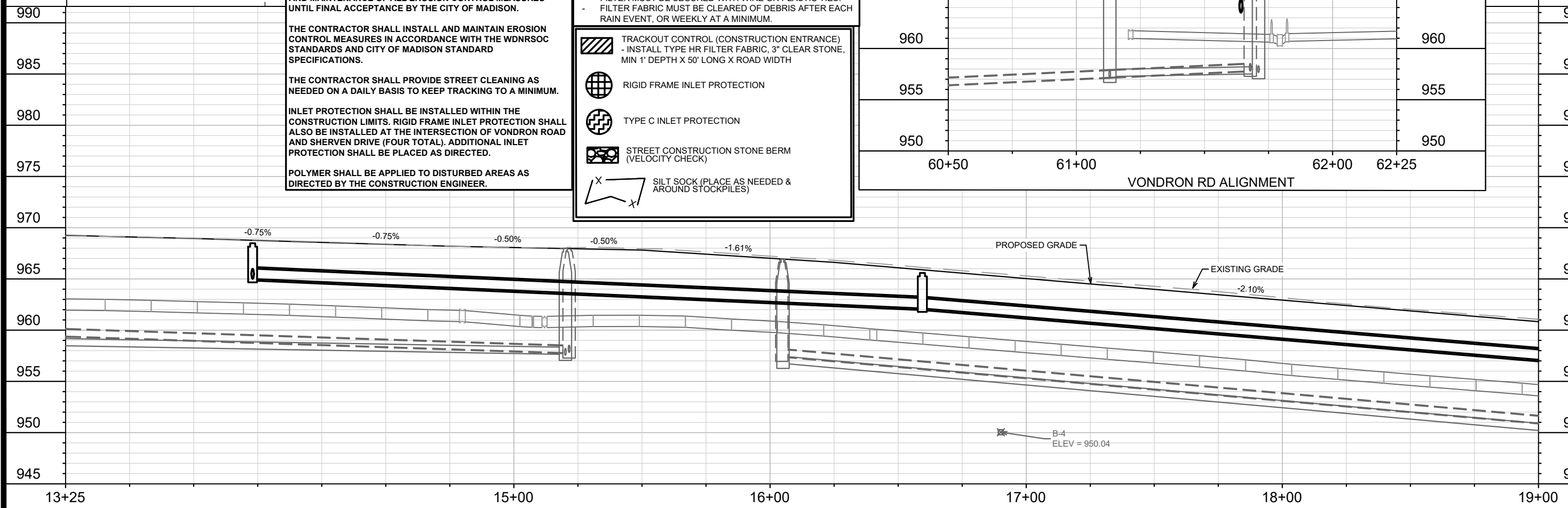
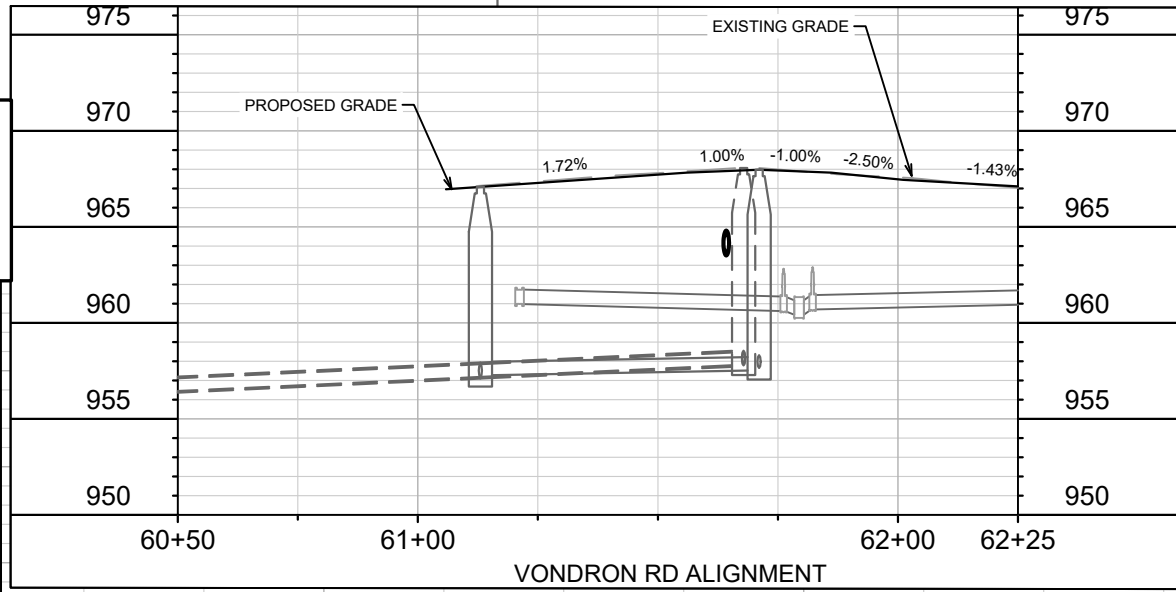
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MARK	REVISION	DATE	BY

14780  
MADISON, WI  
8759  
CONTRACT NO:

EROSION CONTROL PLAN - STARKER AVE & VONDRON RD  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
I:\gisserver\data\DESIGN\Projects\14780\CAD\Sewers\14780SWR-ErosionControl.dwg



14780  
EC-3

MATCH LINE 19+00.00

MATCH LINE 24+75.00

071010412064 5222 Starker Ave  
SEELOW, MARK & MARGARET

071010412072 5302  
Starker Ave  
COLLICOTT, ANDREW  
MIRANDA COLLICOTT

071010412080 5306  
Starker Ave DRISCOLL,  
PADERIC & JENNIFER  
DRISCOLL

071010412098 5310  
Starker Ave RHUDE,  
JENNIFER S

071010412105 1444  
Ellen Ave  
DOLLHOPF, LISA M  
JACOB D DRAZE  
EX LATERAL ON ELLEN AVE

071010410141 5402 Starker  
Ave OSBORNE, LUKE A &  
MIA L  
EX LATERAL ON ELLEN AVE

071015102321 5301 Starker Ave  
LAUGHLIN TRUST, MARY NELL  
EX LATERAL ON NATIONAL AVE

071015102313  
5313 Starker Ave  
CLARK JR, JAMES  
& RAHEL D CLARK  
EX LATERAL ON ELLEN AVE

**EROSION CONTROL NOTES:**

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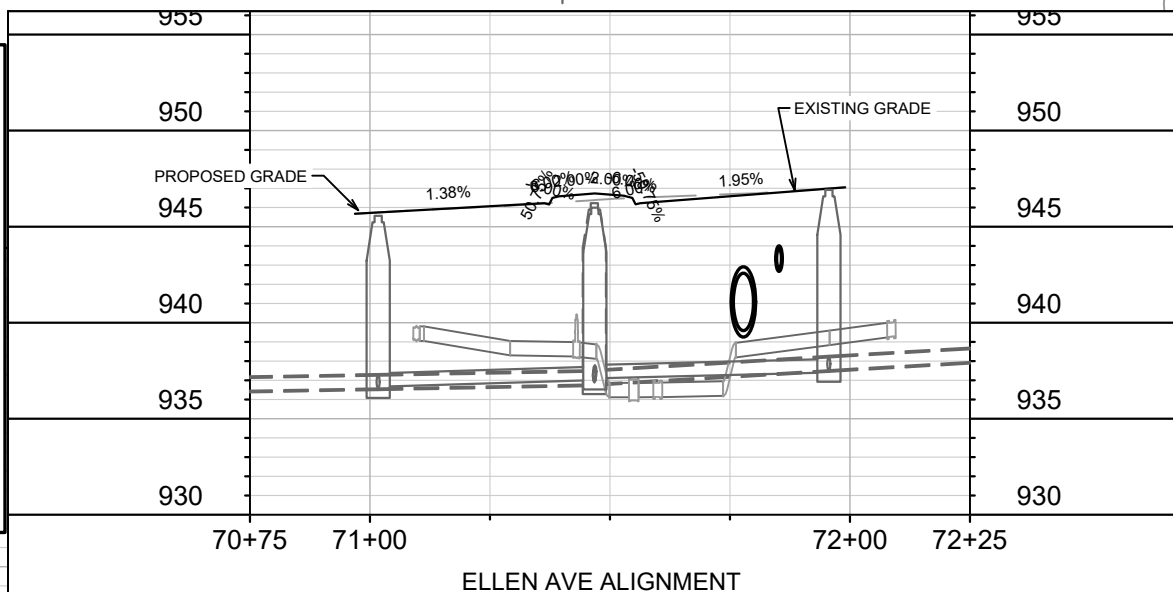
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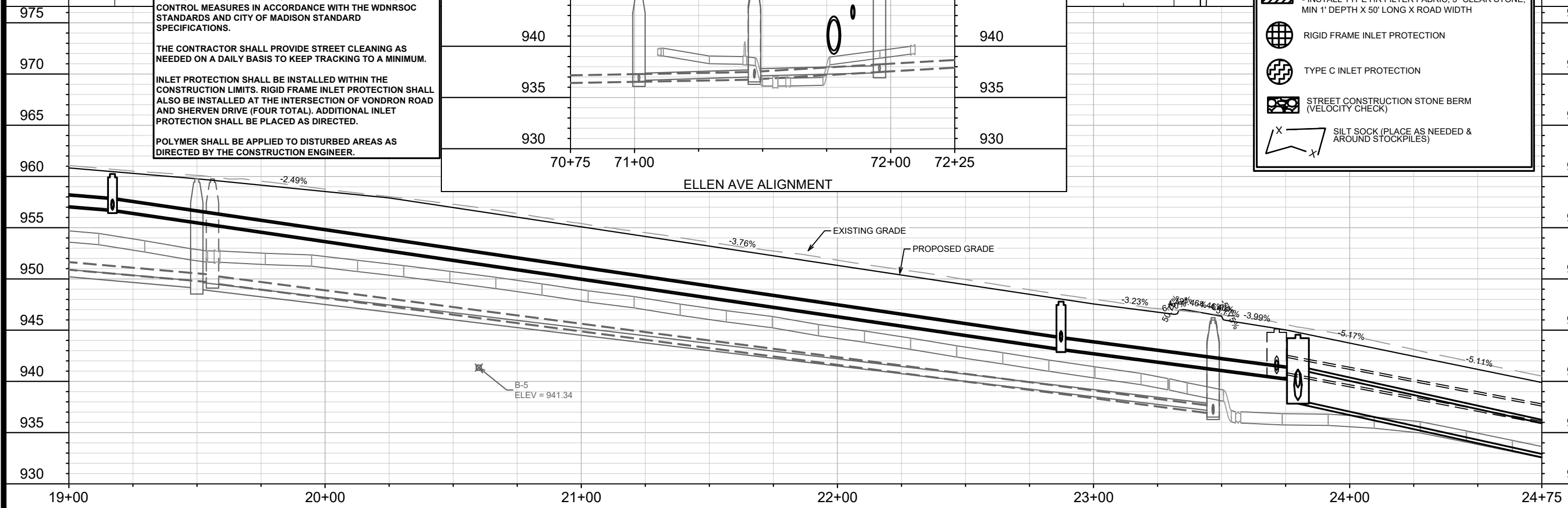
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MARK	REVISION	DATE	BY
14780	14780	10/12/24	EC-4

14780  
MADISON, WI  
EROSION CONTROL PLAN - STARKER AVE & ELLEN AVE  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
CONTRACT NO.: 8759  
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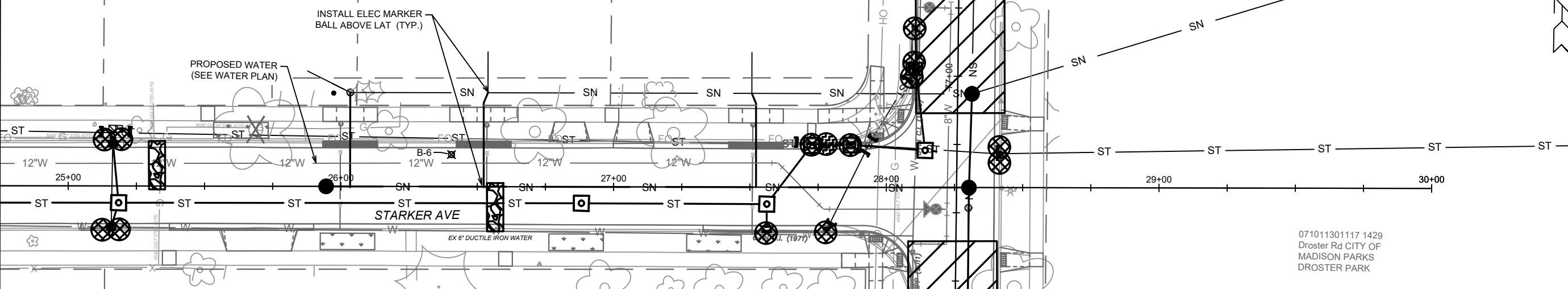
MATCH LINE 24+75.00

071010410159 5410  
Starker Ave MOORE  
JR, JAMES R LEAH J  
STEENIS

071010410167 5414 Starker Ave  
ELLESTAD, MICHAEL T & M L  
GULLICKSON-ELLESTAD

071010410175 5418  
Starker Ave  
WILCZEWSKI, JEFF  
SARAH WILCZEWSKI

071011301117 1429  
Droster Rd CITY OF  
MADISON PARKS  
DROSTER PARK



**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.

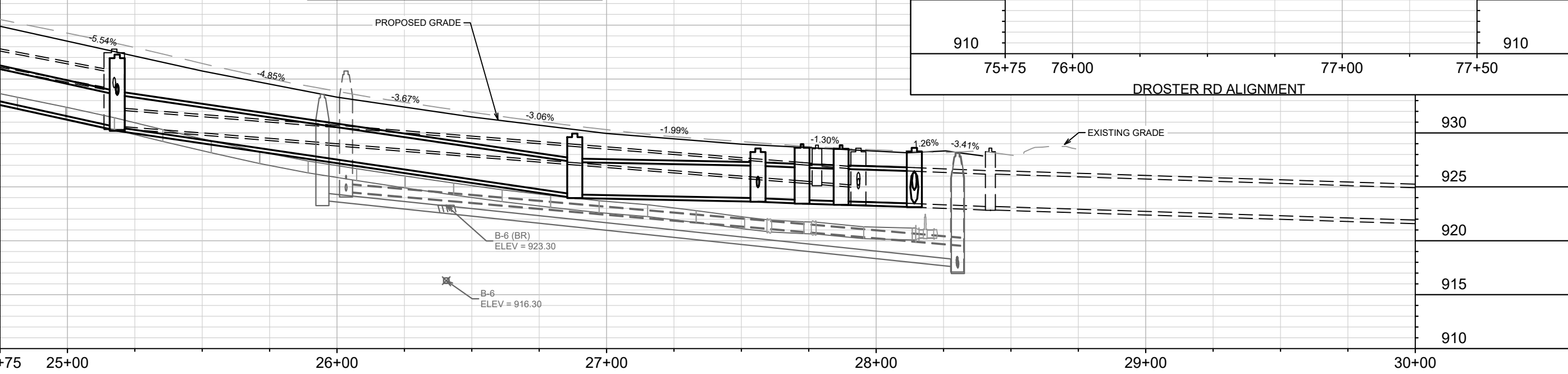
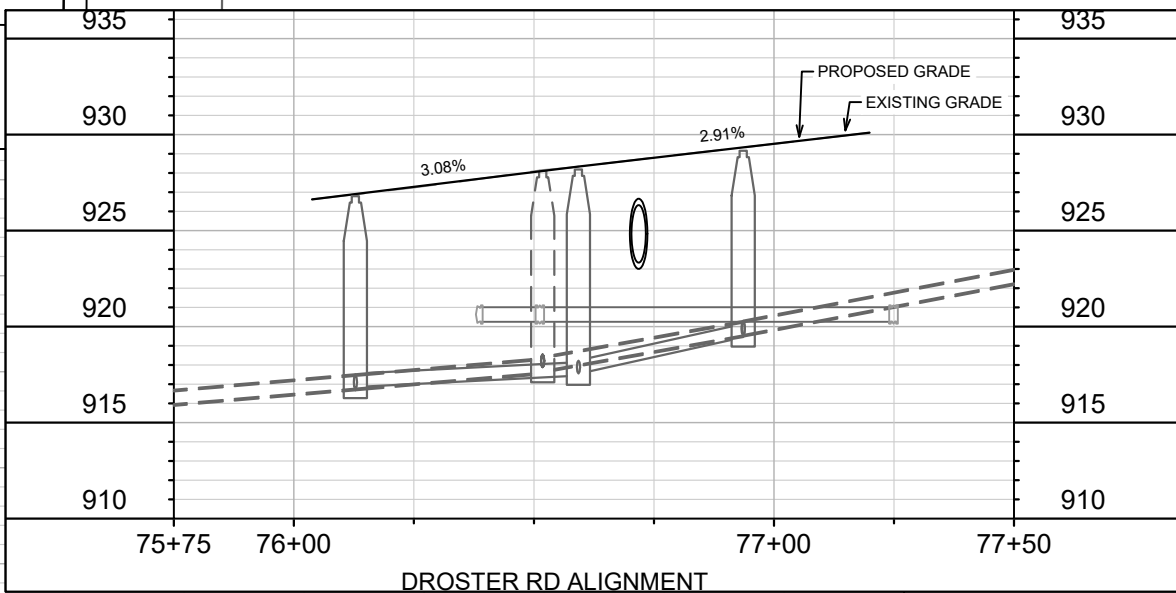
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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 VONDRON ROAD AND SHERVEN DRIVE (FOUR TOTAL). ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.

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

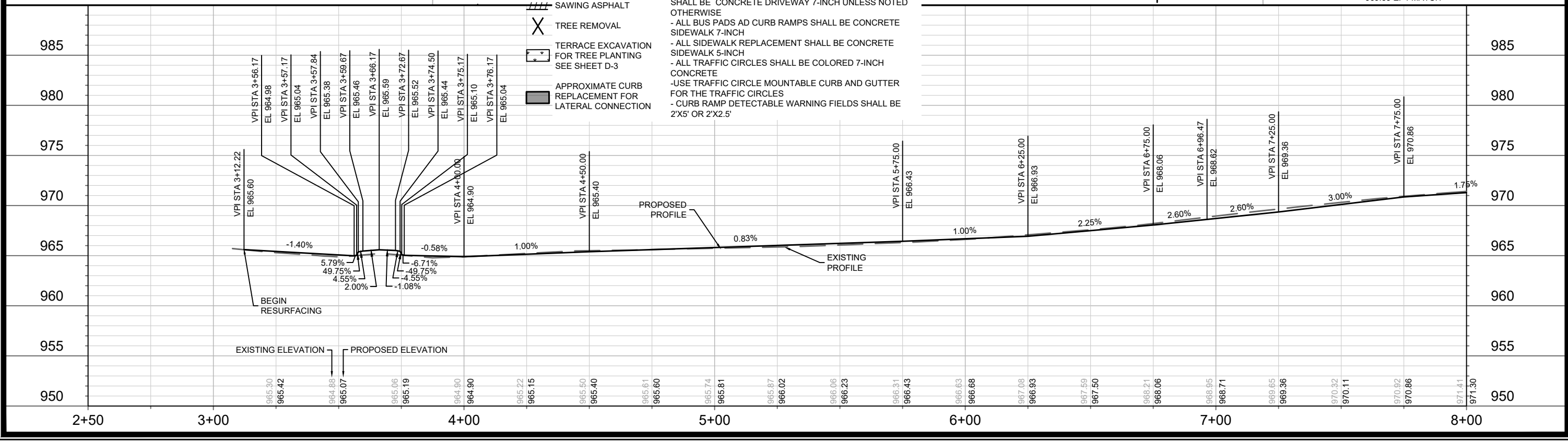
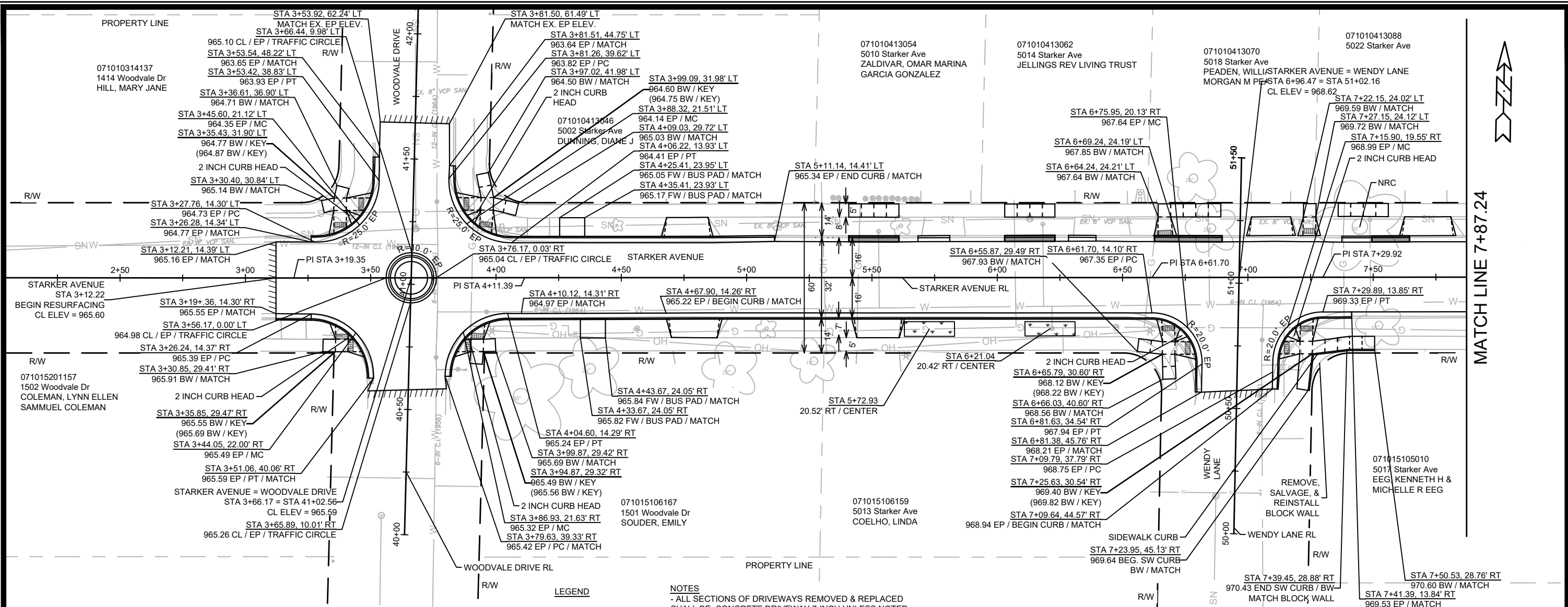
- TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION WILL NOT FIT STRUCTURE.
- FABRIC FLAPS MUST BE CUT TO LEAVE LESS THAN 6" AROUND GRADE.
  - 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
  - FILTER MUST BE SECURED WITH WIRE OR PLASTIC TIES.
  - FILTER FABRIC MUST 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)



MARK	REVISION	DATE	BY
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14780  
MADISON, WI  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
CONTRACT NO: 8759

14780  
EC-5



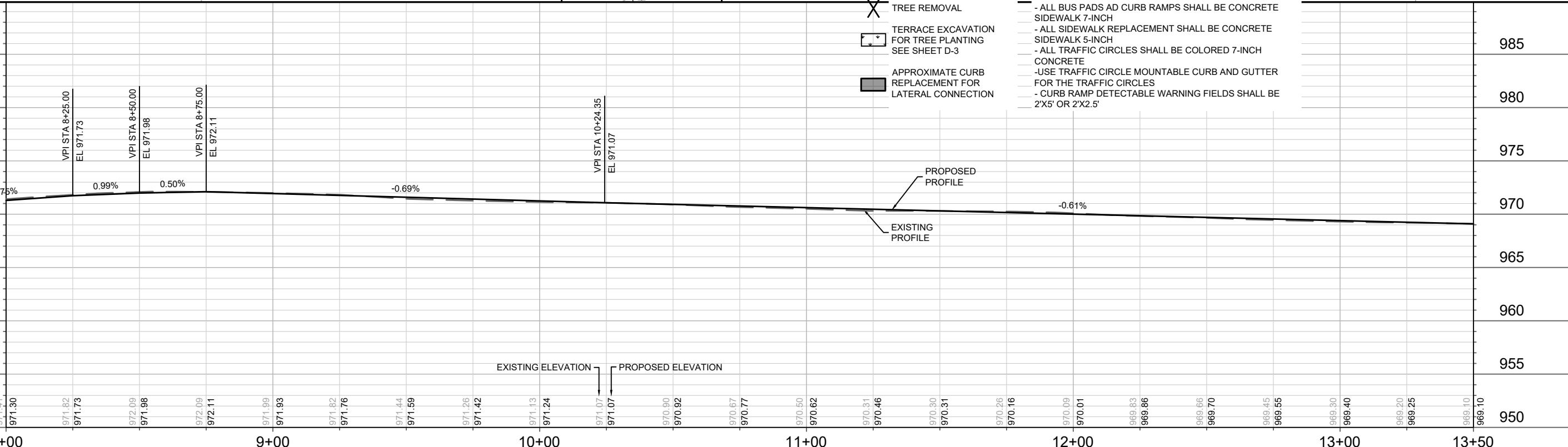
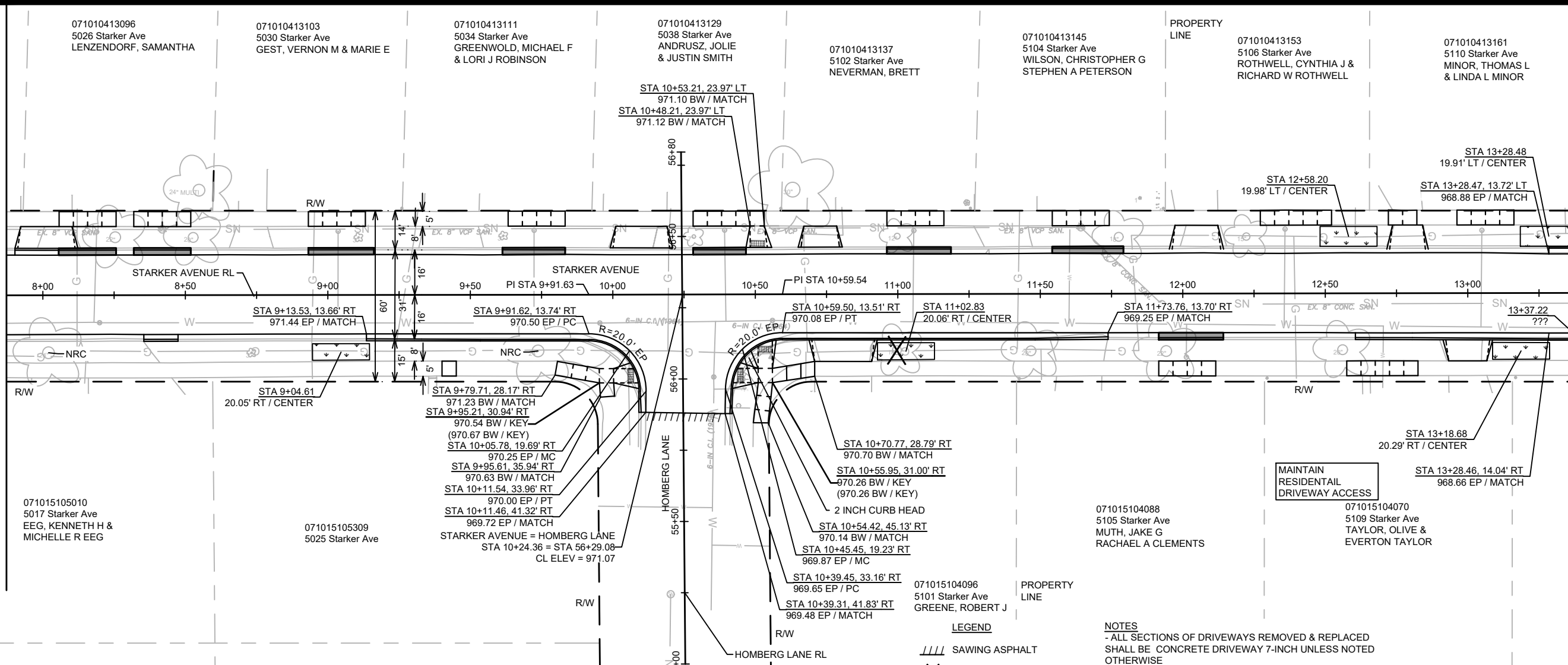
- LEGEND**
- //// SAWING ASPHALT
  - X TREE REMOVAL
  - TERRACE EXCAVATION FOR TREE PLANTING SEE SHEET D-3
  - APPROXIMATE CURB REPLACEMENT FOR LATERAL CONNECTION

- NOTES**
- ALL SECTIONS OF DRIVEWAYS REMOVED & REPLACED SHALL BE CONCRETE DRIVEWAY 7-INCH UNLESS NOTED OTHERWISE
  - ALL BUS PADS AND CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH
  - ALL SIDEWALK REPLACEMENT SHALL BE CONCRETE SIDEWALK 5-INCH
  - ALL TRAFFIC CIRCLES SHALL BE COLORED 7-INCH CONCRETE
  - USE TRAFFIC CIRCLE MOUNTABLE CURB AND GUTTER FOR THE TRAFFIC CIRCLES
  - CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'X5' OR 2'X2.5'

14780	14780	14780	14780	14780
MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024	STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024	STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024	STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024	STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024
CONTRACT NO: 8759	CONTRACT NO: 8759	CONTRACT NO: 8759	CONTRACT NO: 8759	CONTRACT NO: 8759
<b>14780</b>				
<b>P-1</b>				

MATCH LINE 7+87.24

MATCH LINE 13+37.24



DATE	BY
REVISION	BY
MARK	BY
DESIGNED BY: ###	SCALE: 1" = 40'
14780	P-2

14780

MADISON, WI

STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024

CONTRACT NO: 8759

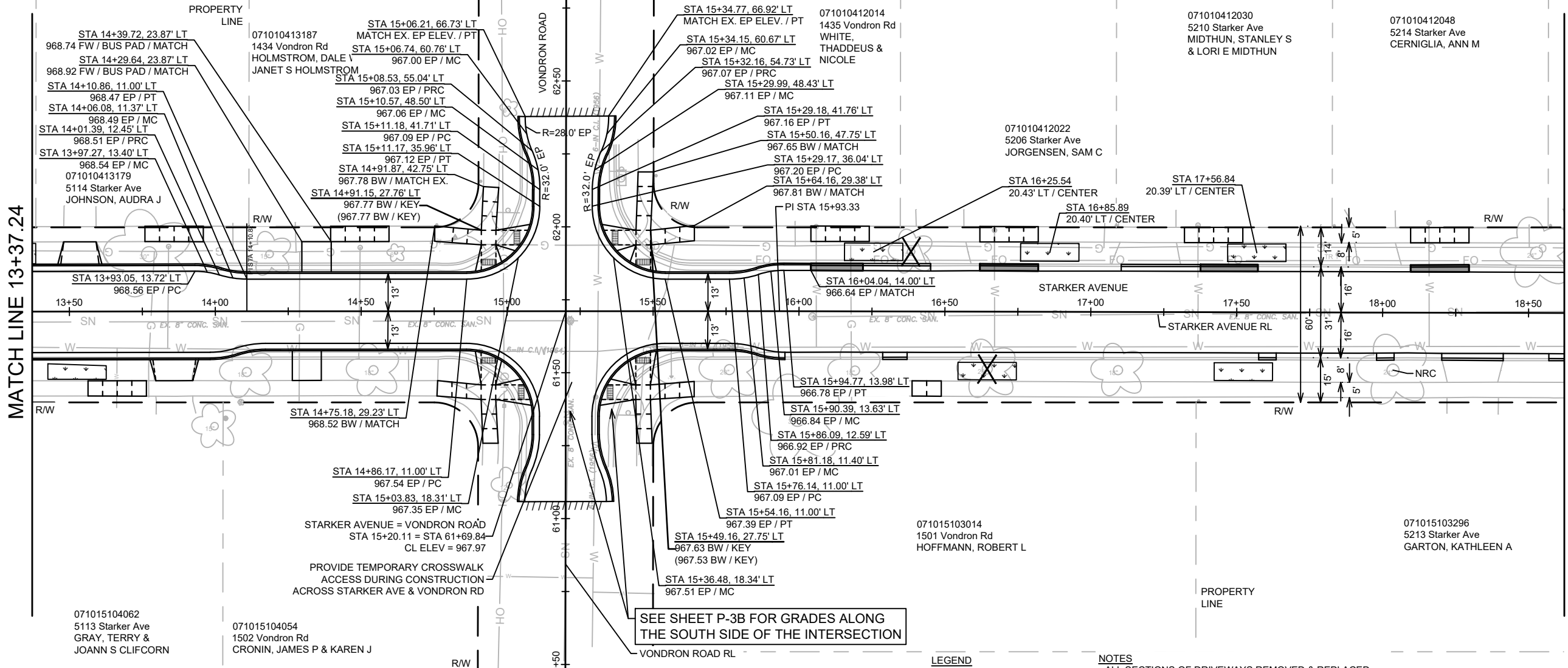
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P-2

MATCH LINE 13+37.24

MATCH LINE 18+62.24



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5113 Starker Ave  
GRAY, TERRY &  
JOANN S CLIFCORN

071015104054  
1502 Vondron Rd  
CRONIN, JAMES P & KAREN J

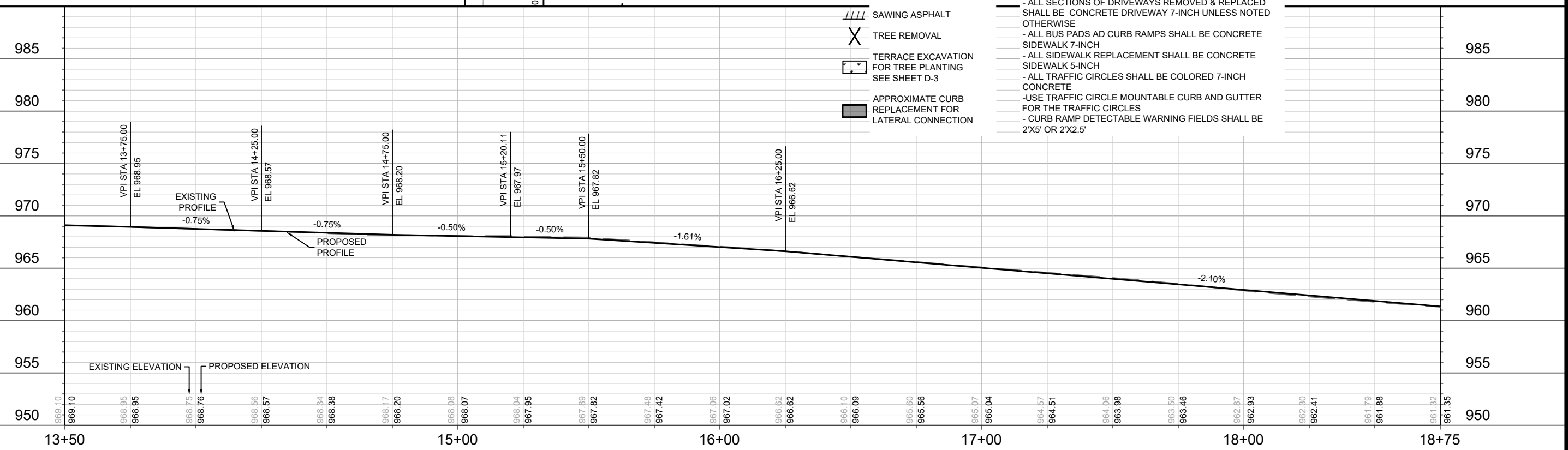
SEE SHEET P-3B FOR GRADES ALONG  
THE SOUTH SIDE OF THE INTERSECTION

LEGEND

- SAWING ASPHALT
- TREE REMOVAL
- TERRACE EXCAVATION FOR TREE PLANTING SEE SHEET D-3
- APPROXIMATE CURB REPLACEMENT FOR LATERAL CONNECTION

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REVISION	BY
MARK	BY
DESIGNED BY: ##	DATE: 10/25/2024 2:16 PM
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P-3A	

14780

MADISON, WI

STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024

CONTRACT NO: 8759

PLAN & PROFILE - STARKER AVENUE

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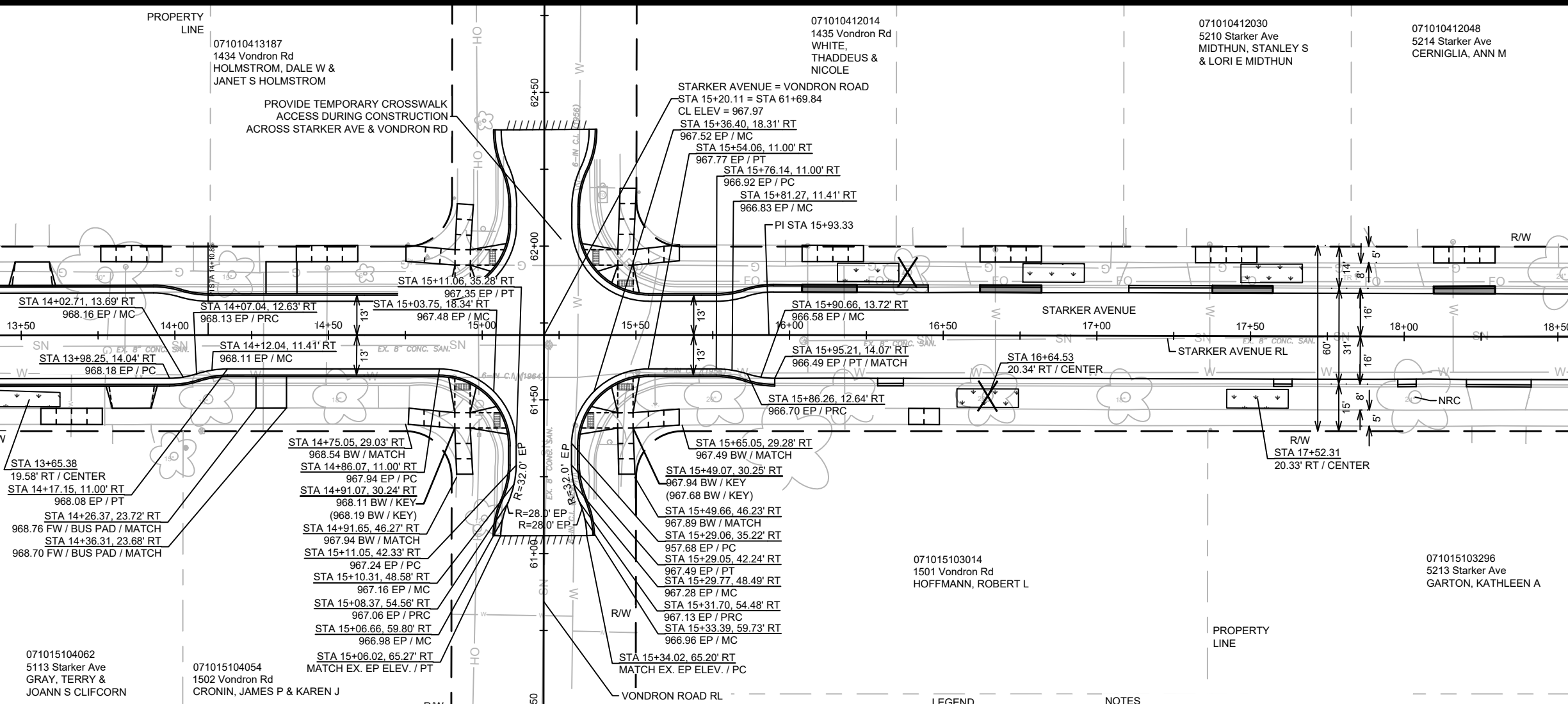


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P-3A

MATCH LINE 13+37.24

MATCH LINE 18+62.24



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5113 Starker Ave  
GRAY, TERRY &  
JOANN S CLIFCORN

071015104054  
1502 Vondron Rd  
CRONIN, JAMES P & KAREN J

071010412014  
1435 Vondron Rd  
WHITE,  
THADDEUS &  
NICOLE

071010412030  
5210 Starker Ave  
MIDTHUN, STANLEY S  
& LORI E MIDTHUN

071010412048  
5214 Starker Ave  
CERNIGLIA, ANN M

071015103014  
1501 Vondron Rd  
HOFFMANN, ROBERT L

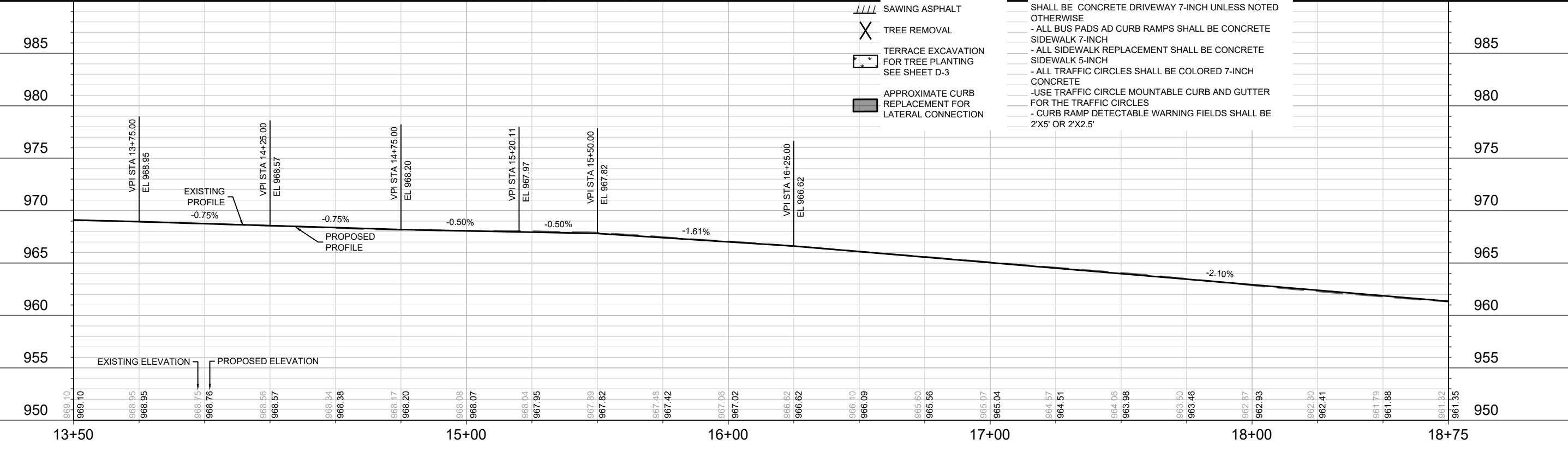
071015103296  
5213 Starker Ave  
GARTON, KATHLEEN A

LEGEND

- //// SAWING ASPHALT
- X TREE REMOVAL
- TERRACE EXCAVATION FOR TREE PLANTING SEE SHEET D-3
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P-3B

14780  
MADISON, WI  
CONTRACT NO: 8759

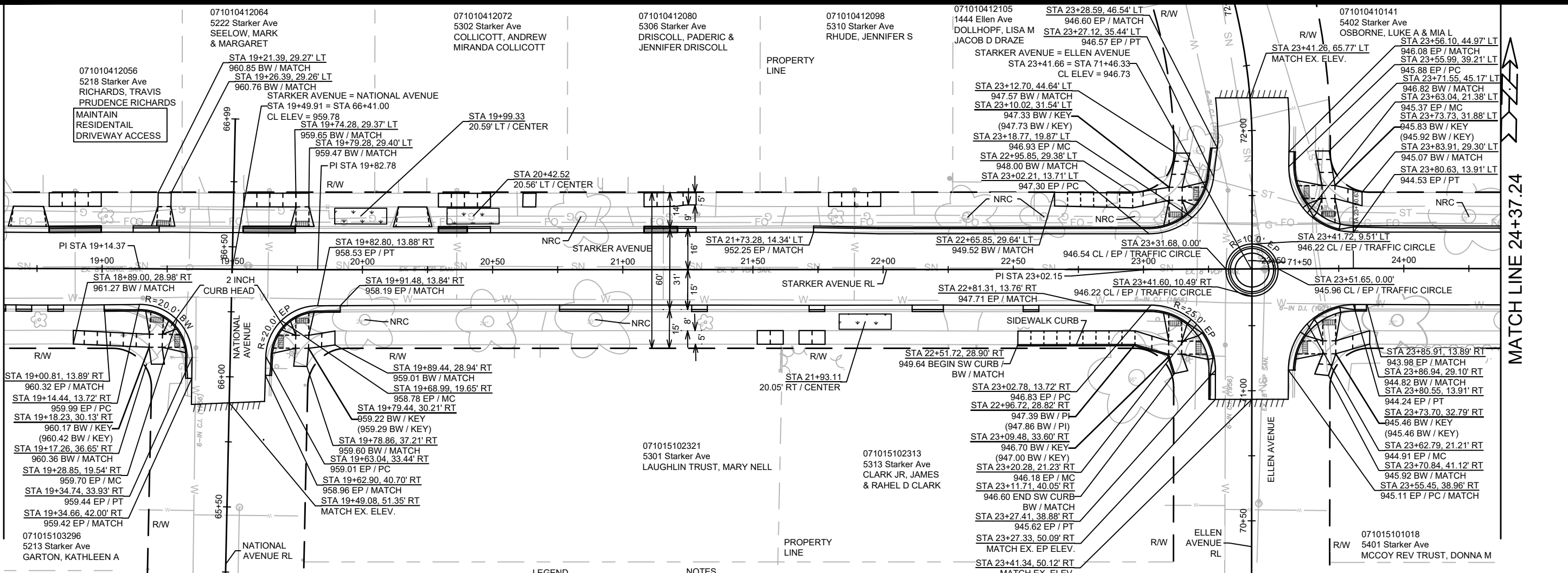
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P-3B

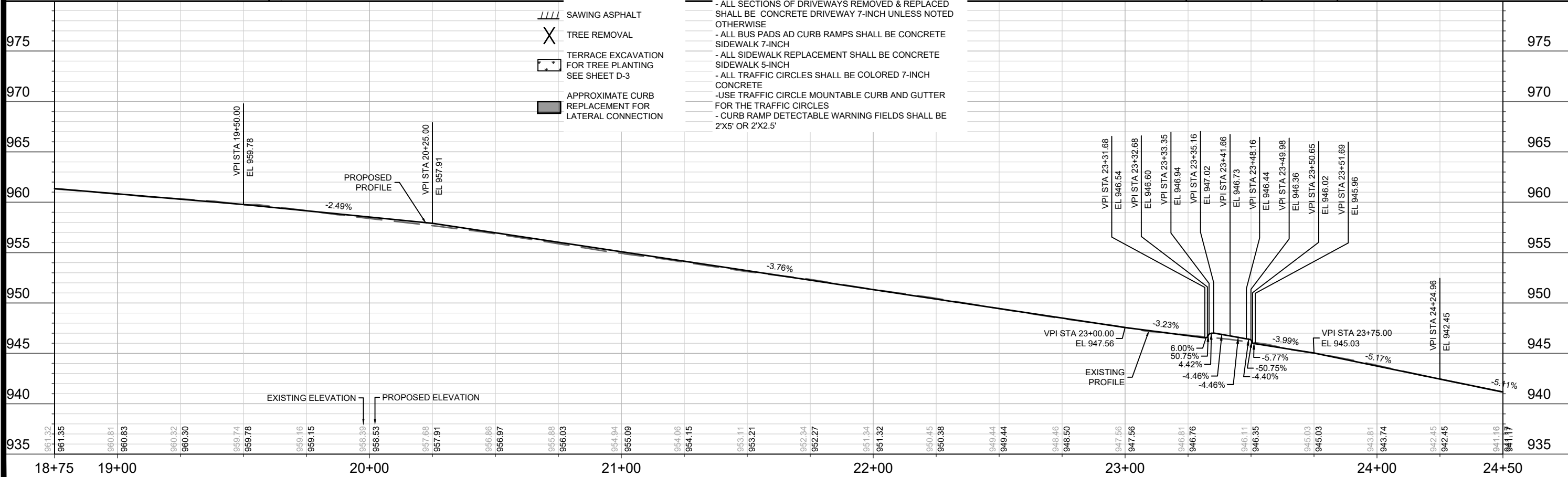
MATCH LINE 18+62.24

MATCH LINE 24+37.24



- LEGEND**
- SAWING ASPHALT
  - TREE REMOVAL
  - TERRACE EXCAVATION FOR TREE PLANTING SEE SHEET D-3
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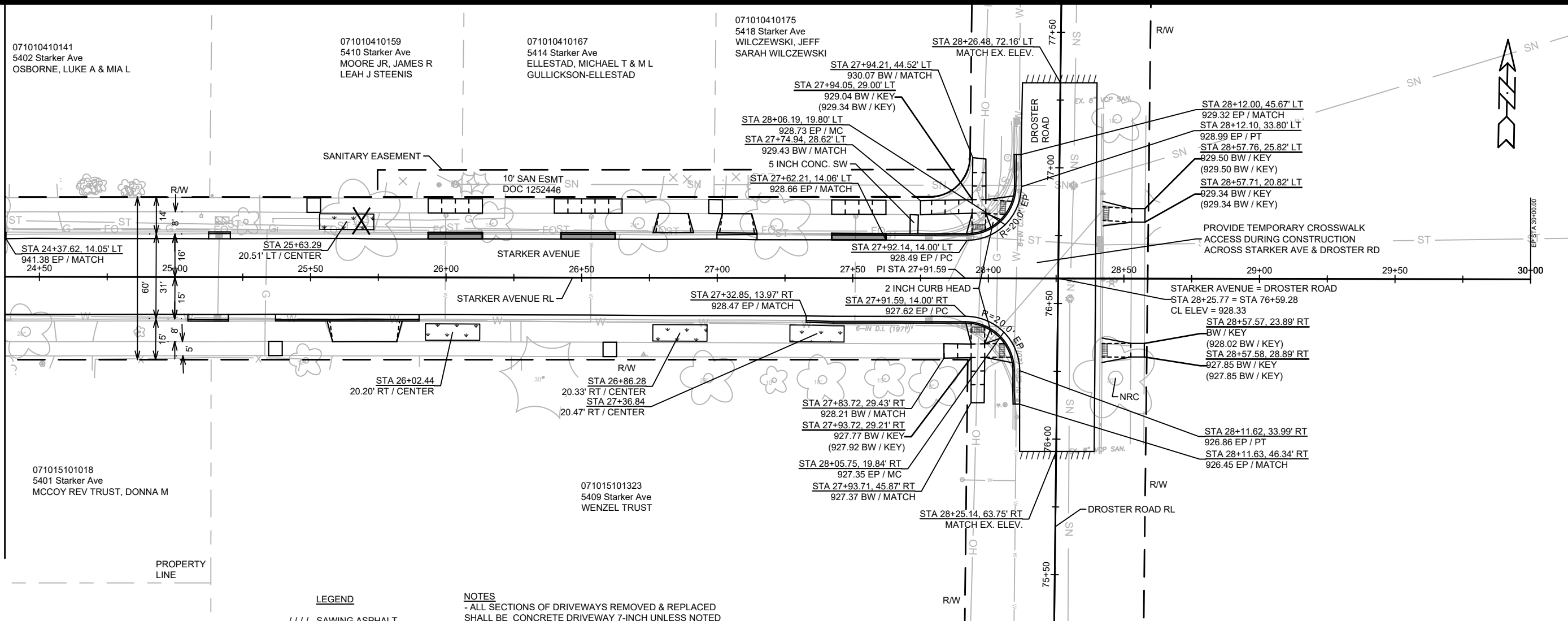


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MADISON, WI  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
CONTRACT NO.: 8759  
P-4

City of Madison Wisconsin logo

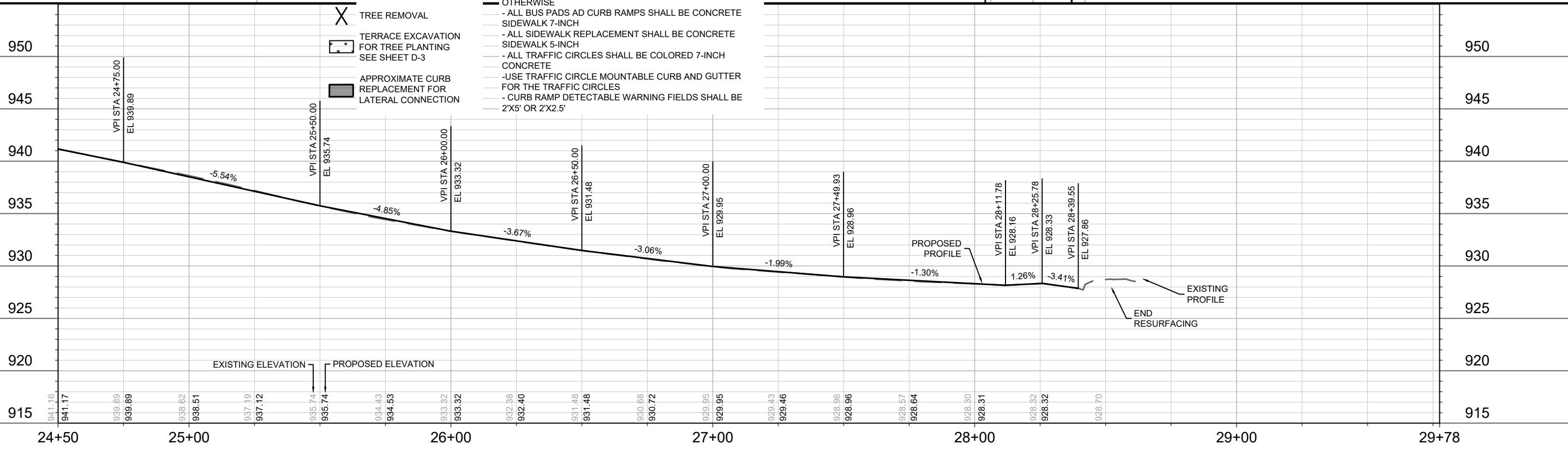
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P-4

MATCH LINE 24+37.24



- LEGEND**
- //// SAWING ASPHALT
  - X TREE REMOVAL
  - TERRACE EXCAVATION FOR TREE PLANTING SEE SHEET D-3
  - APPROXIMATE CURB REPLACEMENT FOR LATERAL CONNECTION

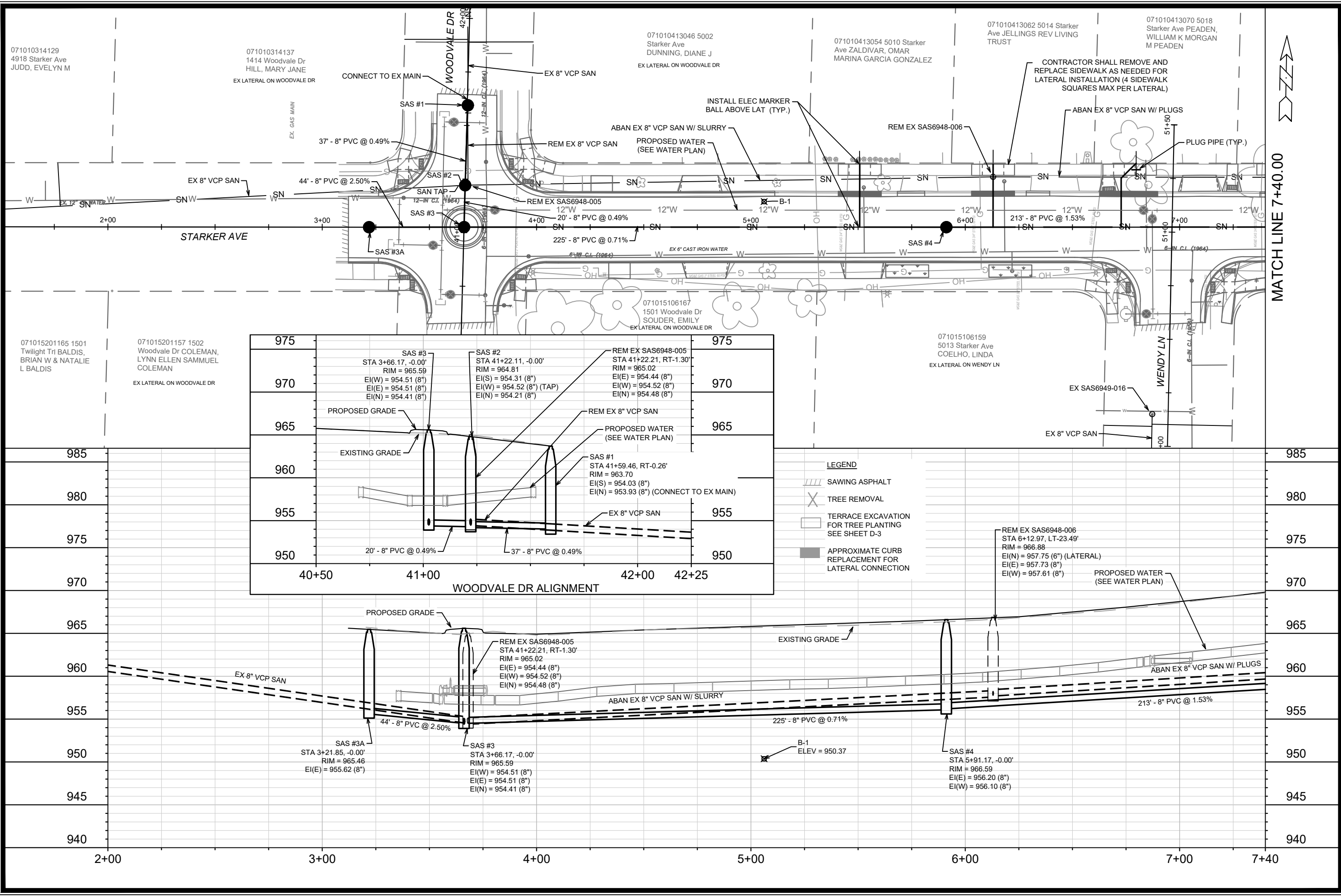
- NOTES**
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DATE	BY
REVISION	
MARK	
DESIGNED BY: ###	14780
DATE: 10/25/2024 2:17 PM	
SCALE: 1" = 40'	
CONTRACT NO:	8759
PROJECT NO:	14780
CITY:	MADISON, WI
DISTRICT:	14780
CONTRACT NO:	8759
PROJECT NO:	14780
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DATE:	10/25/2024
BY:	P-5

14780  
MADISON, WI  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
CONTRACT NO: 8759

14780  
P-5



Station	Manhole	Proposed Grade	Existing Grade	Notes
40+50	SAS #3A	955.62	955.62	STA 3+21.85, -0.00'
41+00	SAS #3	965.59	965.59	STA 3+66.17, -0.00'
41+25	SAS #2	964.81	964.81	STA 41+22.21, -0.00'
42+00	SAS #1	963.70	963.70	STA 41+59.46, RT-0.26'
42+25	REM EX SAS6948-005	965.02	965.02	STA 41+22.21, RT-1.30'

14780  
 MADISON, WI  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 CONTRACT NO.: 8759  
 U-1

071010314129  
 4918 Starker Ave  
 JUDD, EVELYN M

071010314137  
 1414 Woodvale Dr  
 HILL, MARY JANE  
 EX LATERAL ON WOODVALE DR

071010413046 5002  
 Starker Ave  
 DUNNING, DIANE J  
 EX LATERAL ON WOODVALE DR

071010413054 5010 Starker  
 Ave ZALDIVAR, OMAR  
 MARINA GARCIA GONZALEZ

071010413062 5014 Starker  
 Ave JELLINGS REV LIVING  
 TRUST

071010413070 5018  
 Starker Ave PEADEN,  
 WILLIAM K MORGAN  
 M PEADEN

071015106167  
 1501 Woodvale Dr  
 SOUDER, EMILY  
 EX LATERAL ON WOODVALE DR

071015201165 1501  
 Twilight Trl BALDIS,  
 BRIAN W & NATALIE  
 L BALDIS

071015201157 1502  
 Woodvale Dr COLEMAN,  
 LYNN ELLEN SAMMUEL  
 COLEMAN  
 EX LATERAL ON WOODVALE DR

071015106159  
 5013 Starker Ave  
 COELHO, LINDA  
 EX LATERAL ON WENDY LN

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

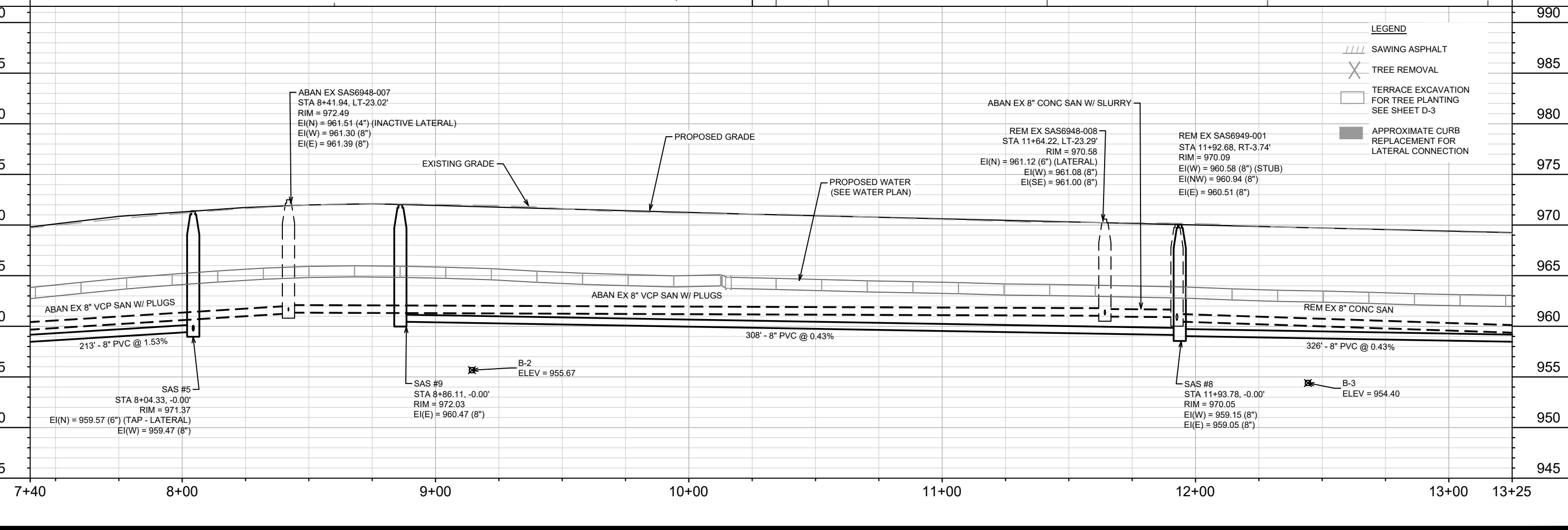
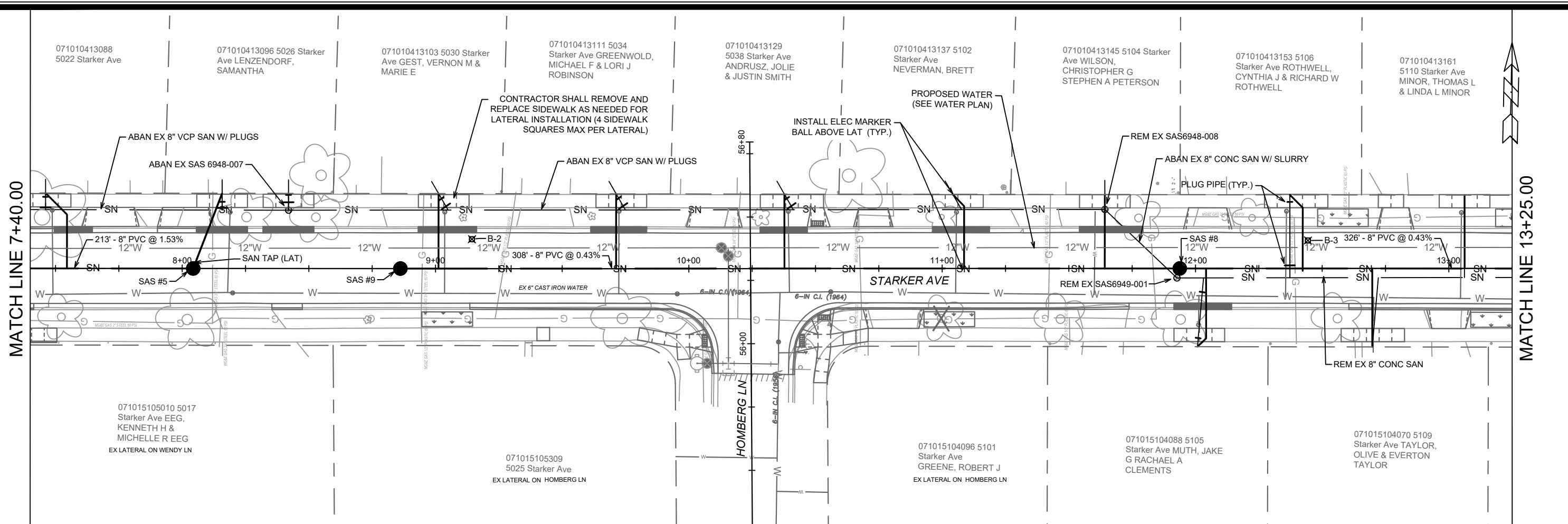
MATCH LINE 7+40.00

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 Scale: 1" = 40'  
 U-1



14780  
U-1





**LEGEND**

- //// SAWING ASPHALT
- X TREE REMOVAL
- TERRACE EXCAVATION FOR TREE PLANTING SEE SHEET D-3
- APPROXIMATE CURB REPLACEMENT FOR LATERAL CONNECTION

071010413088 5022 Starker Ave	071010413096 5026 Starker Ave LENZENDORF, SAMANTHA	071010413103 5030 Starker Ave GEST, VERNON M & MARIE E	071010413111 5034 Starker Ave GREENWOLD, MICHAEL F & LORI J ROBINSON	071010413129 5038 Starker Ave ANDRUSZ, JOLIE & JUSTIN SMITH	071010413137 5102 Starker Ave NEVERMAN, BRETT	071010413145 5104 Starker Ave WILSON, CHRISTOPHER G STEPHEN A PETERSON	071010413153 5106 Starker Ave ROTHWELL, CYNTHIA J & RICHARD W ROTHWELL	071010413161 5110 Starker Ave MINOR, THOMAS L & LINDA L MINOR
----------------------------------	---	---	---	--	--	---	---	--

071015105010 5017 Starker Ave EEG, KENNETH H & MICHELLE R EEG EX LATERAL ON WENDY LN	071015105309 5025 Starker Ave EX LATERAL ON HOMBERG LN	071015104096 5101 Starker Ave GREENE, ROBERT J EX LATERAL ON HOMBERG LN	071015104088 5105 Starker Ave MUTH, JAKE G RACHAEL A CLEMENTS	071015104070 5109 Starker Ave TAYLOR, OLIVE & EVERTON TAYLOR
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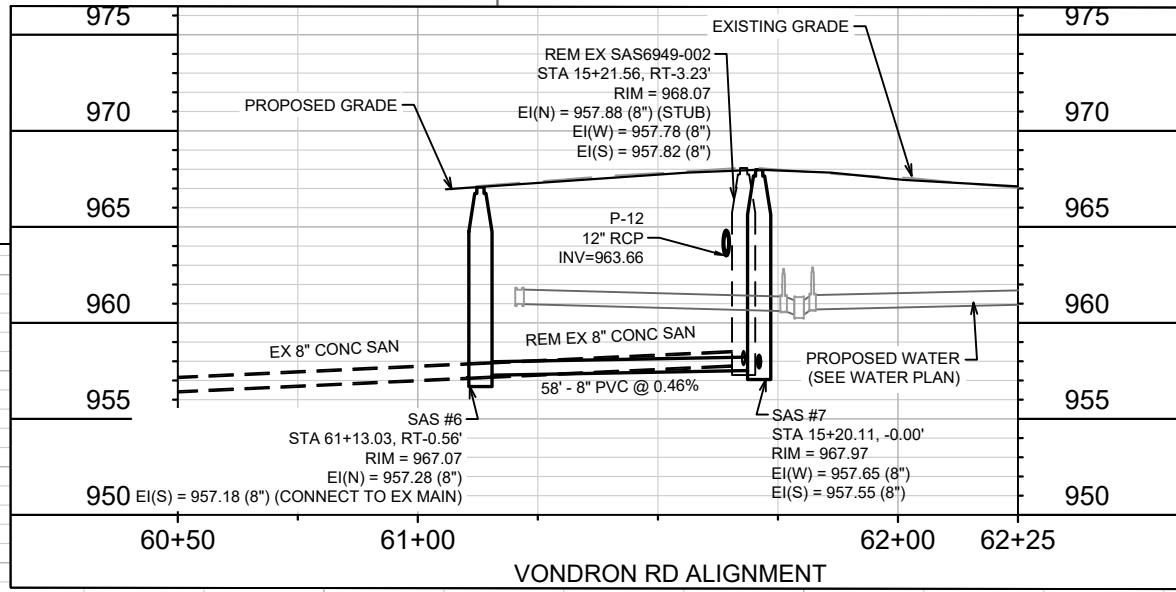
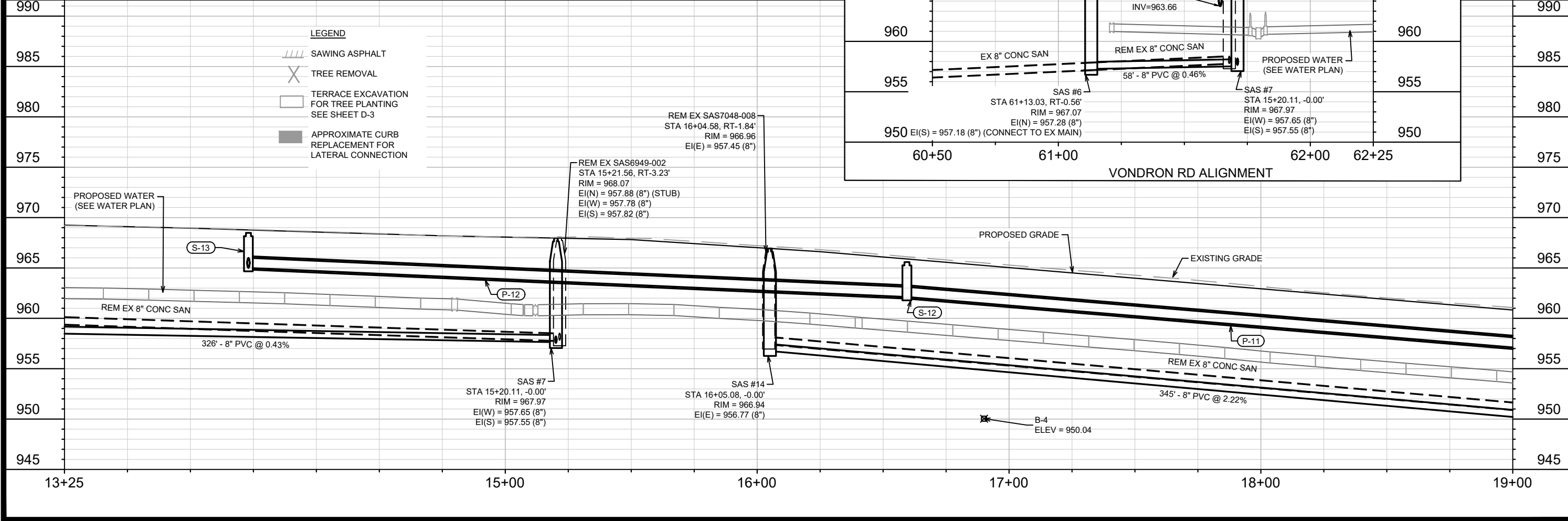
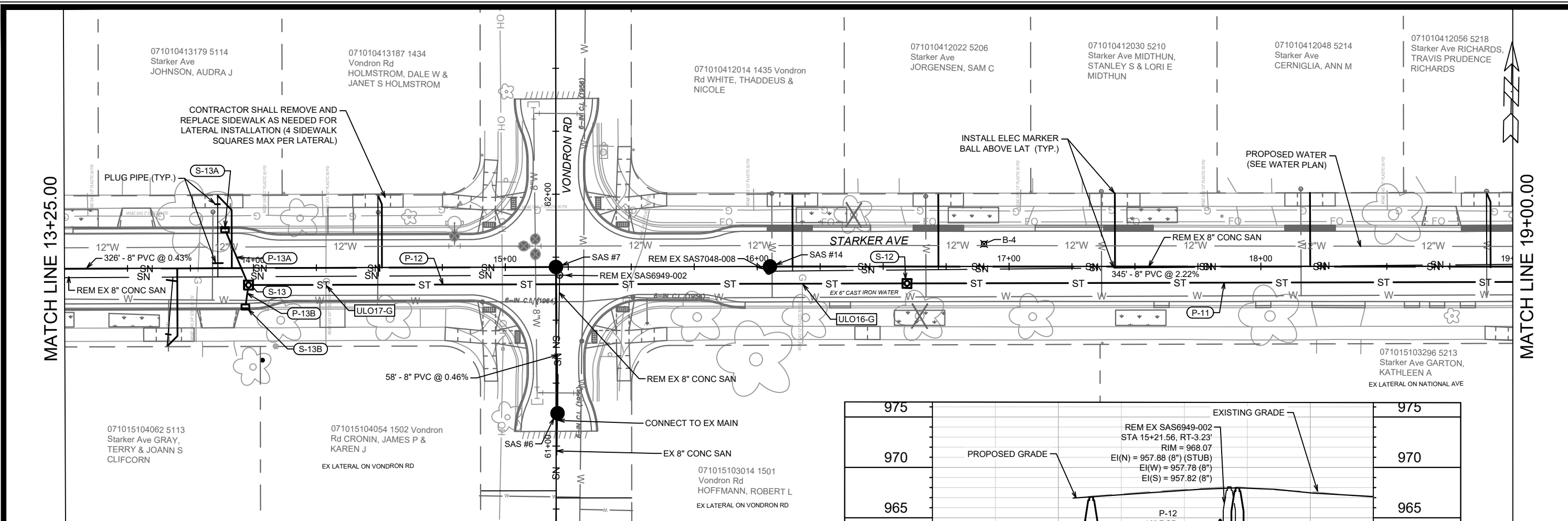
  

14780	14780	8759	U-2
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SEWER PLAN & PROFILE - STARKER AVE & HOMBERG LN  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 CONTRACT NO.: 8759  
 MADISON, WI  
 14780  
 U-2

MATCH LINE 13+25.00

MATCH LINE 19+00.00



**LEGEND**

	SAWING ASPHALT
	TREE REMOVAL
	TRENCH EXCAVATION FOR TREE PLANTING SEE SHEET D-3
	APPROXIMATE CURB REPLACEMENT FOR LATERAL CONNECTION

MARK	REVISION	DATE	BY

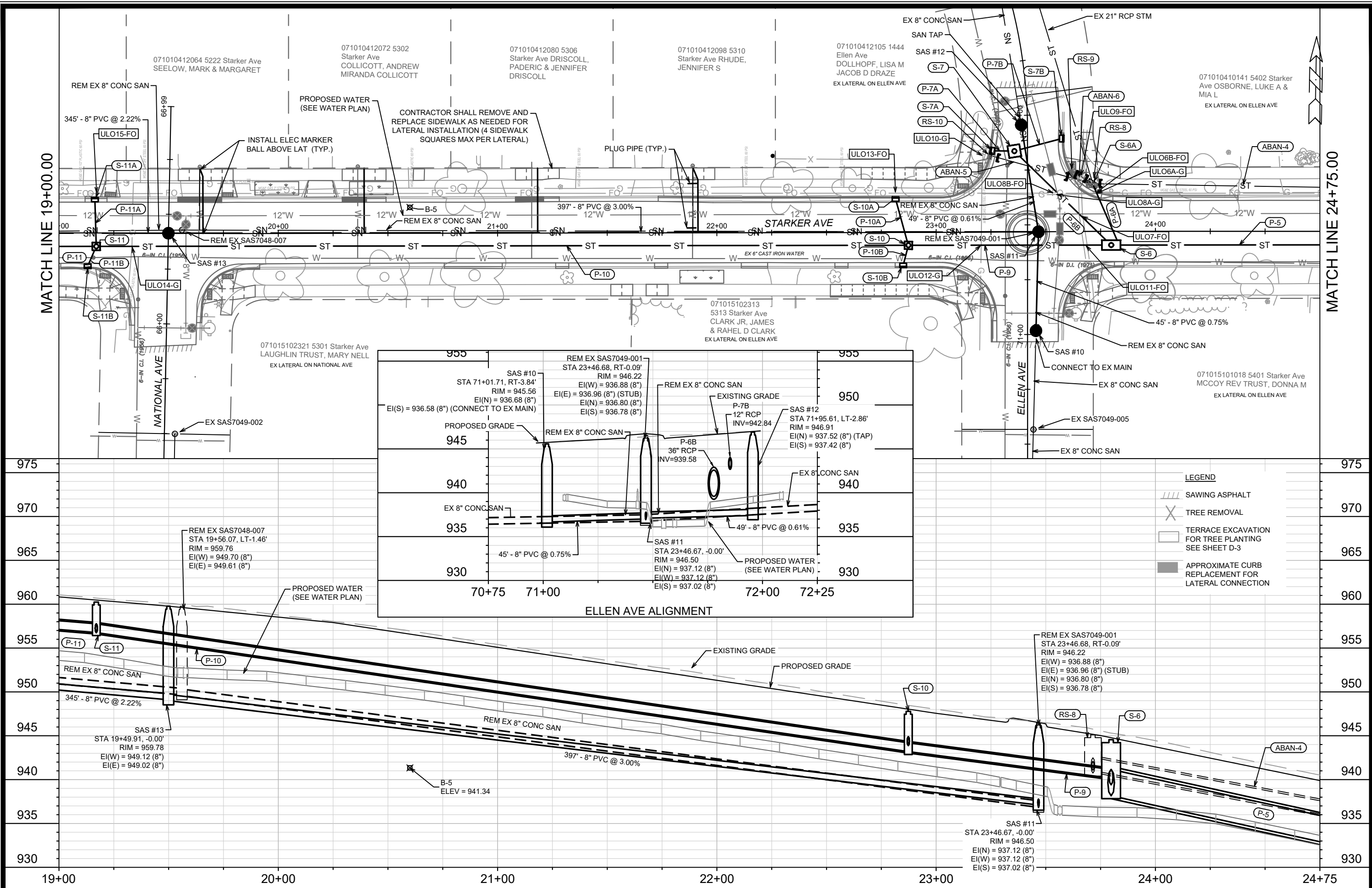
14780  
 MADISON, WI  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 CONTRACT NO: 8759



14780  
 U-3

MATCH LINE 19+00.00

MATCH LINE 24+75.00



Station	Structure	Dimensions / Slope	Elevation Data
70+75	REM EX SAS7048-007	STA 19+56.07, LT-1.46'	RIM = 959.76 EI(W) = 949.70 (8") EI(E) = 949.61 (8")
71+00	SAS #10	STA 71+01.71, RT-3.84'	RIM = 945.56 EI(N) = 936.68 (8") EI(S) = 936.58 (8") (CONNECT TO EX MAIN)
71+00	REM EX SAS7049-001	STA 23+46.68, RT-0.09'	RIM = 946.22 EI(W) = 936.88 (8") EI(E) = 936.96 (8") (STUB) EI(N) = 936.80 (8") EI(S) = 936.78 (8")
71+00	SAS #11	STA 23+46.67, -0.00'	RIM = 946.50 EI(N) = 937.12 (8") EI(W) = 937.12 (8") EI(S) = 937.02 (8")
72+00	SAS #12	STA 71+95.61, LT-2.86'	RIM = 946.91 EI(N) = 937.52 (8") (TAP) EI(S) = 937.42 (8")

**LEGEND**

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- TREE REMOVAL
- TERRACE EXCAVATION FOR TREE PLANTING SEE SHEET D-3
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14780  
MADISON, WI  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
CONTRACT NO.: 8759

U-4

City of Madison Wisconsin logo

14780  
U-4

MATCH LINE 24+75.00

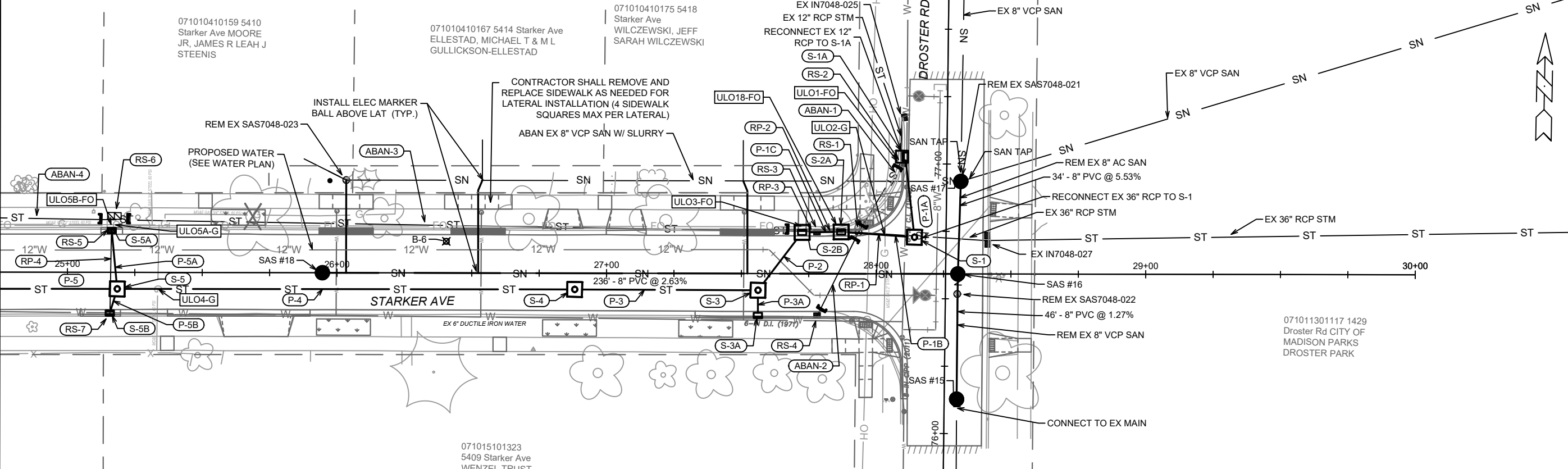
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Starker Ave MOORE  
JR, JAMES R LEAH J  
STEENIS

071010410167 5414 Starker Ave  
ELLESTAD, MICHAEL T & M L  
GULLICKSON-ELLESTAD

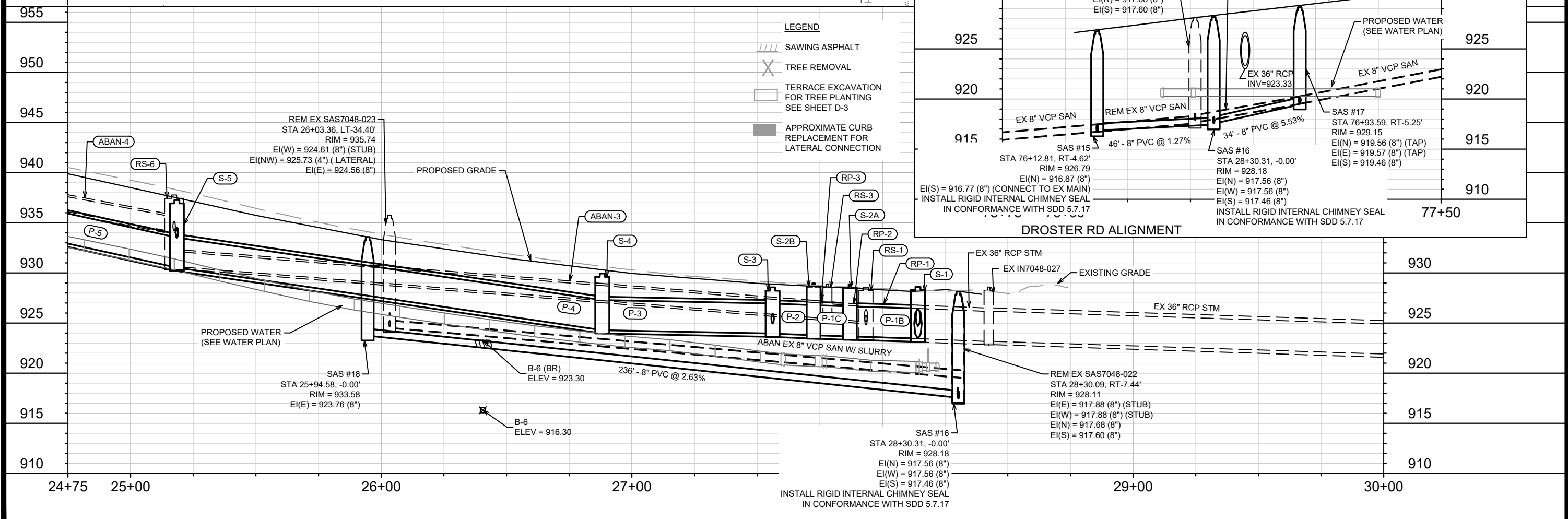
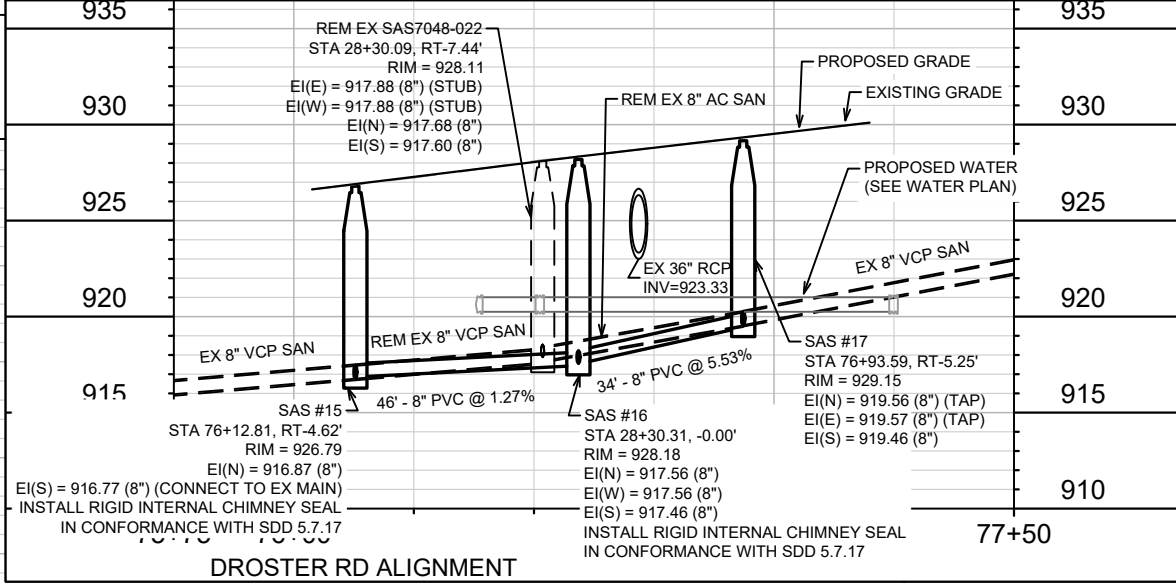
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Starker Ave  
WILCZEWSKI, JEFF  
SARAH WILCZEWSKI

071015101323  
5409 Starker Ave  
WENZEL TRUST  
EX LATERAL ON DROSTER RD

071011301117 1429  
Droster Rd CITY OF  
MADISON PARKS  
DROSTER PARK



- LEGEND**
- SAWING ASPHALT
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14780	U-5	10/25/2024 10:55 AM	U-5

14780  
MADISON, WI  
CONTRACT NO: 8759

SEWER PLAN & PROFILE - STARKER AVE & DROSTER RD  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
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U-5

# SANITARY SEWER SCHEDULE

STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024	SHEET NO.
PROJECT NO. 14780	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>WOODVALE DRIVE</b>						
SAS #1	41+59.46	RT-0.26	963.70	953.93	9.77	[1]
SAS #2	41+22.11	CL	964.81	954.21	10.60	[2]
<b>STARKER AVENUE (3+00 TO 8+75)</b>						
SAS #3	3+66.17	CL	965.59	954.41	11.18	
SAS #3A	3+21.85	CL	965.46	955.62	9.84	
SAS #4	5+91.17	CL	966.59	956.10	10.49	
SAS #5	8+04.33	CL	971.37	959.47	11.90	[3]
<b>VONDRON ROAD</b>						
SAS #6	61+13.03	RT-0.56	967.07	957.18	9.89	[4]
<b>STARKER AVENUE (8+75 TO 15+50)</b>						
SAS #7	15+20.11	CL	967.97	957.55	10.42	
SAS #8	11+93.78	CL	970.05	959.05	11.00	
SAS #9	8+86.11	CL	972.03	960.47	11.56	
<b>ELLEN AVENUE</b>						
SAS #10	71+01.71	RT-3.84	945.56	936.58	8.98	[5]
SAS #12	71+95.61	LT-2.86	946.91	937.42	9.49	[6]
<b>STARKER AVENUE (15+50 TO 24+00)</b>						
SAS #11	23+46.67	CL	946.50	937.02	9.48	[7]
SAS #13	19+49.91	CL	959.78	949.02	10.76	
SAS #14	16+05.08	CL	966.94	956.77	10.17	
<b>DROSTER ROAD</b>						
SAS #15	76+12.81	RT-4.62	926.79	916.77	10.02	[8]
SAS #17	76+93.59	RT-5.25	929.15	919.46	9.69	[9]; [10]
<b>STARKER AVENUE (24+00 TO 29+00)</b>						
SAS #16	28+30.31	CL	928.18	917.46	10.72	[10]
SAS #18	25+94.58	CL	933.58	923.76	9.82	

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PVC TYPE	NOTES
<b>WOODVALE DRIVE</b>							
SAS #1	SAS #2	954.03	954.21	37	0.49%	8"	SDR-35
SAS #2	SAS #3	954.31	954.41	20	0.49%	8"	SDR-35
<b>STARKER AVENUE (3+00 TO 8+75)</b>							
SAS #3	SAS #3A	954.51	955.62	44	2.50%	8"	SDR-35
SAS #3	SAS #4	954.51	956.10	225	0.71%	8"	SDR-35
SAS #4	SAS #5	956.20	959.47	213	1.53%	8"	SDR-35
<b>VONDRON ROAD</b>							
SAS #6	SAS #7	957.28	957.55	58	0.46%	8"	SDR-35
<b>STARKER AVENUE (8+75 TO 15+50)</b>							
SAS #7	SAS #8	957.65	959.05	326	0.43%	8"	SDR-35
SAS #8	SAS #9	959.15	960.47	308	0.43%	8"	SDR-35
<b>ELLEN AVENUE</b>							
SAS #10	SAS #11	936.68	937.02	45	0.75%	8"	SDR-35
SAS #11	SAS #12	937.12	937.42	49	0.61%	8"	SDR-35
<b>STARKER AVENUE (15+50 TO 24+00)</b>							
SAS #11	SAS #13	937.12	949.02	397	3.00%	8"	SDR-35
SAS #13	SAS #14	949.12	956.77	345	2.22%	8"	SDR-35
<b>DROSTER ROAD</b>							
SAS #15	SAS #16	916.87	917.46	46	1.27%	8"	SDR-35
SAS #16	SAS #17	917.56	919.46	34	5.53%	8"	SDR-35
<b>STARKER AVENUE (24+00 TO 29+00)</b>							
SAS #16	SAS #18	917.56	923.76	236	2.63%	8"	SDR-35

## SPECIFIC NOTES

- [1] CONNECT TO EX 8" VCP MAIN (EI(N) = 953.93)
- [2] 8" TAP (EI(W) = 954.52) FOR UPSTREAM MAIN CONNECTION
- [3] 6" TAP (EI(N) = 959.57) FOR LATERAL CONNECTION FROM 5026 STARKER AVE
- [4] CONNECT TO EX 8" CONC MAIN (EI(S) = 957.18)
- [5] CONNECT TO EX 8" CONC MAIN (EI(S) = 936.58)
- [6] 8" TAP (EI(N) = 937.52) FOR UPSTREAM MAIN CONNECTION
- [7] OFFSET CONE STRUCTURE - INSTALL RIM TO THE WEST
- [8] CONNECT TO EX 8" VCP MAIN (EI(S) = 916.77)
- [9] 8" TAP (EI(N) = 919.56) FOR UPSTREAM MAIN CONNECTION FROM DROSTER RD, 8" TAP (EI(E) = 919.57) FOR UPSTREAM MAIN CONNECTION FROM DROSTER PARK
- [10] INSTALL RIGID INTERNAL CHIMNEY SEAL IN CONFORMANCE WITH S.D.D 5.7.17

# SANITARY SEWER SCHEDULE

STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024	SHEET NO.
PROJECT NO. 14780	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>WOODVALE DRIVE</b>						
SAS6948-005	41+22.21	RT-1.30	965.02	954.44	10.58	REM. 4' DIA.
<b>STARKER AVENUE (3+00 TO 8+75)</b>						
SAS6948-006	6+12.97	LT-23.49	966.88	957.61	9.27	REM. 4' DIA.
SAS6948-007	8+41.94	LT-23.02	972.49	961.30	11.19	ABAN. 4' DIA.
<b>STARKER AVENUE (8+75 TO 15+50)</b>						
SAS6949-002	15+21.56	RT-3.23	968.07	957.78	10.29	REM. 4' DIA.
SAS6949-001	11+92.68	RT-3.74	970.09	960.51	9.58	REM. 4' DIA.
SAS6948-008	11+64.22	LT-23.29	970.58	961.00	9.58	REM. 4' DIA.
<b>STARKER AVENUE (15+50 TO 24+00)</b>						
SAS7049-001	23+46.68	RT-0.09	946.22	936.78	9.44	REM. 4' DIA.
SAS7048-007	19+56.07	LT-1.46	959.76	949.61	10.15	REM. 4' DIA.
SAS7048-008	16+04.58	RT-1.84	966.96	957.45	9.51	REM. 4' DIA.
<b>DROSTER ROAD</b>						
SAS7048-021	76+93.59	RT-5.25	929.13	919.54	9.59	REM. 4' DIA.
<b>STARKER AVENUE (24+00 TO 29+00)</b>						
SAS7048-022	28+30.09	RT-7.44	928.11	917.60	10.51	REM. 4' DIA.
SAS7048-023	26+03.36	LT-34.40	935.74	924.56	11.18	REM. 4' DIA.

## 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>WOODVALE DRIVE</b>										
SAS #1	SAS6948-005	38	N	38	--	--	--	8"	VCP	
<b>STARKER AVENUE (3+00 TO 8+75)</b>										
SAS6948-005	SAS6948-006	246	Y	--	--	246	3.18	8"	VCP	
SAS6948-006	SAS6948-007	229	N	--	--	229	--	8"	VCP	[1]
<b>VONDRON ROAD</b>										
SAS #6	SAS6949-002	55	N	55	--	--	--	8"	CONC	
<b>STARKER AVENUE (8+75 TO 15+50)</b>										
SAS6949-002	SAS6949-001	329	N	329	--	--	--	8"	CONC	
SAS6949-001	SAS6948-008	40	Y	--	--	40	0.52	8"	CONC	
SAS6948-008	SAS6948-007	323	N	--	--	323	--	8"	VCP	[1]
<b>ELLEN AVENUE</b>										
SAS #10	SAS7049-001	45	N	45	--	--	--	8"	CONC	
SAS7049-001	SAS #12	50	N	50	--	--	--	8"	CONC	
<b>STARKER AVENUE (15+50 TO 24+00)</b>										
SAS7049-001	SAS7048-007	391	N	391	--	--	--	8"	CONC	
SAS7048-007	SAS7048-008	352	N	352	--	--	--	8"	CONC	
<b>DROSTER ROAD</b>										
SAS #15	SAS7048-022	MA	N	40	--	--	--	8"	VCP	
SAS7048-022	SAS7048-021	42	N	42	--	--	--	8"	VCP	
<b>STARKER AVENUE (24+00 TO 29+00)</b>										
SAS7048-021	SAS7048-023	228	Y	--	--	228	2.95	8"	VCP	

## SPECIFIC NOTES

[1] ABANDON WITH PLUGS - INCIDENTAL TO STRUCTURE REMOVAL/ABANDONMENT

# STORM SEWER SCHEDULE

STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024	SHEET NO.
PROJECT NO. 14780	U-8
STORM SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>STARKER AVENUE</b>							
S-1	28+14.18	LT-13.59	5'X5' STORM SAS	928.62	923.45	5.17	FP; W/R-1550-0054; [1]
S-2A	27+87.00	LT-15.49	5'X5' STORM SAS	928.86	923.66	5.20	FP; LP; W/R-3067-7004-VB; [2]
S-2B	27+72.53	LT-15.33	5'X5' STORM SAS	928.96	923.78	5.18	FP; W/R-3067-7004-V; [2], [3]
S-3	27+56.17	RT-6.20	5'X5' STORM SAS	928.56	923.95	4.61	FP; W/R-1550-0054
S-3A	27+56.15	RT-15.56	H-INLET	928.54	925.00	3.54	W/R-3067-7004-V
S-4	26+88.19	RT-6.02	5'X5' STORM SAS	929.94	924.29	5.65	W/R-1550-0054
S-5	25+18.47	RT-6.11	5'X5' STORM SAS	937.26	930.53	6.73	W/R-1550-0054
S-5A	25+16.41	LT-15.53	H-INLET	937.68	933.64	4.04	W/R-3067-7004-V; [2]
S-5B	25+15.73	RT-15.13	H-INLET	937.53	933.58	3.95	W/R-3067-7004-V
S-6	23+79.78	RT-6.29	4'X8' STORM SAS	944.55	938.16	6.39	FP; W/R-1550-0054; [6]
<b>DROSTER ROAD</b>							
S-10	22+87.31	RT-5.86	3'X3' STORM SAS	947.79	943.19	4.60	W/R-1550-0054
S-10A	22+81.53	LT-15.22	H-INLET	948.40	944.01	4.39	W/R-3067-7004-V
S-10B	22+84.93	RT-15.03	H-INLET	947.93	943.94	3.99	W/R-3067-7004-V
S-11	19+17.02	RT-6.12	3'X3' STORM SAS	960.24	956.76	3.48	W/R-1550-0054
S-11A	19+16.31	LT-15.22	H-INLET	960.62	956.87	3.75	W/R-3067-7004-V
S-11B	19+13.08	RT-15.24	H-INLET	960.37	956.83	3.54	W/R-3067-7004-V
S-12	16+59.47	RT-6.71	3'X3' STORM SAS	965.58	962.12	3.46	W/R-1550-0054
S-13	13+98.02	RT-6.81	3'X3' STORM SAS	968.49	965.00	3.49	W/R-1550-0054
S-13A	13+88.80	LT-15.22	H-INLET	968.94	965.11	3.83	W/R-3067-7004-V
S-13B	13+96.76	RT-15.54	H-INLET	968.57	965.05	3.52	W/R-3067-7004-V
<b>ELLEN AVENUE</b>							
S-6A	71+68.89	RT-29.77	CONCRETE PIPE COLLAR	--	940.74	--	[5]
S-7	71+83.63	LT-6.01	5'X5' STORM SAS	946.67	939.80	6.87	W/R-1550-0054
S-7A	71+83.78	LT-16.08	H-INLET	946.92	942.87	4.05	W/R-3067-7004-V
S-7B	71+89.36	RT-15.62	H-INLET	946.35	942.93	3.42	W/R-3067-7004-V

## PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>STARKER AVENUE</b>										
P-1B	S-1	S-2A	923.45	923.66	27	22	0.95%	36"	RCP	
P-1C	S-2A	S-2B	923.66	923.78	14	10	1.20%	36"	RCP	
P-2	S-2B	S-3	923.78	923.95	27	21	0.81%	36"	RCP	
P-3	S-3	S-4	923.95	924.29	68	63	0.54%	36"	RCP	
P-3A	S-3	S-3A	924.95	925.00	9	6	0.83%	12"	RCP	NCM
P-4	S-4	S-5	924.29	930.53	170	165	3.78%	36"	RCP	
P-5	S-5	S-6	930.53	938.16	139	132	5.78%	36"	RCP	
P-5A	S-5	S-5A	933.53	933.64	22	18	0.61%	12"	RCP	NCM
P-5B	S-5	S-5B	933.53	933.58	9	6	0.83%	12"	RCP	NCM
<b>DROSTER ROAD</b>										
P-9	S-6	S-10	940.16	943.19	93	87	3.48%	12"	RCP	
P-10	S-10	S-11	943.19	956.76	370	367	3.70%	12"	RCP	
P-10A	S-10	S-10A	943.89	944.01	22	19	0.63%	12"	RCP	NCM
P-10B	S-10	S-10B	943.89	943.94	9	7	0.71%	12"	RCP	NCM
P-11	S-11	S-12	956.76	962.12	258	255	2.10%	12"	RCP	
P-11A	S-11	S-11A	956.76	956.87	21	19	0.58%	12"	RCP	
P-11B	S-11	S-11B	956.76	956.83	10	7	1.00%	12"	RCP	
P-12	S-12	S-13	962.12	965.00	261	258	1.12%	12"	RCP	
P-13A	S-13	S-13A	965.00	965.11	24	21	0.52%	12"	RCP	
P-13B	S-13	S-13B	965.00	965.05	9	6	0.83%	12"	RCP	
<b>ELLEN AVENUE</b>										
P-6A	S-6	S-6A	939.41	940.74	29	27	4.93%	21"	RCP	
P-6B	S-6	S-7	938.16	939.80	62	55	2.98%	36"	RCP	
P-7A	S-7	S-7A	942.80	942.87	10	7	1.00%	12"	RCP	NCM
P-7B	S-7	S-7B	942.80	942.93	22	19	0.68%	12"	RCP	NCM

### SPECIFIC NOTES:

- [1] CONNECT TO EX 36" RCP STM MAIN, EI(E) = 923.45
- [2] RELOCATE EXISTING FIBER OPTIC AND/OR GAS PRIOR TO INSTALLATION AS NEEDED
- [3] ALIGN STRUCTURE WITH TERRACE FLUME
- [4] CONNECT EX 12" RCP STM AFTER REMOVAL OF RS-2, EI(N) = 926.85, OFFSET CASTING AS NEEDED TO FORM WITH NEW CURB, TOP OF CASTING APPROXIMATED BASED ON EXISTING TOP OF CURB
- [5] CONNECT TO EX 21" RCP STM MAIN WITH CONCRETE COLLAR (S-6A) AFTER RS-8 REMOVAL, EI(NW) = 940.74
- [6] ROOF REINFORCEMENT SHALL BE #8 BARS 4" ON CENTER IN THE LONG DIMENSION WITH #6 BARS 6" ON CENTER IN THE SHORT DIMENSION, WITH DIAGONAL (45 DEGREE) BARS AROUND THE CUT OUT FOR THE CASTING. LONG BARS CENTERED 3" ABOVE THE BOTTOM OF THE ROOF WITH CROSSING BARS TIED ABOVE

### STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS.
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS 3 UNLESS OTHERWISE NOTED.
- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL ECEFALU@CITYOFMADISON.COM ((608) 243-5894).
- ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

# STORM SEWER SCHEDULE

STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024 PROJECT NO. 14780	SHEET NO. U-9	U-9
STORM SEWER SCHEDULE		
CITY OF MADISON		

## STORM STRUCTURE REMOVALS & ABANDONMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	DEPTH (FT)	NOTES
<b>STARKER AVENUE</b>						
RS-1	AS7048-024	27+93.43	LT-15.36	4'X5' STORM SAS	4.92	
RS-3	IN7048-023	27+78.05	LT-16.46	SADDLE INLET	3.43	
RS-4	IN7049-002	27+78.10	RT-16.60	H-INLET	2.59	
RS-5	IN7048-022	25+16.32	LT-16.65	H-INLET	3.31	
RS-6	AS7048-021	25+17.38	LT-20.94	5'X7' STORM SAS	7.12	
RS-7	IN7049-001	25+15.71	RT-16.28	H-INLET	3.08	
<b>DROSTER ROAD</b>						
RS-2	IN7048-026	77+00.34	LT-17.13	H-INLET	2.89	
<b>ELLEN AVENUE</b>						
RS-8	AS7048-018	71+68.76	RT-29.69	5'X7' STORM SAS	4.38	[1]
RS-9	IN7048-019	71+73.75	RT-20.18	TUB INLET	3.95	[2]
RS-10	IN7048-020	71+81.72	LT-17.36	TUB INLET	5.18	[2]

## SPECIFIC NOTES

- [1] CONNECT TO EX 21" RCP STM MAIN WITH CONCRETE COLLAR (S-6A) AFTER RS-8 REMOVAL, EI(NW) = 940.74  
 [2] APPROXIMATE STRUCTURE DEPTH, NO RECORDS OR SURVEY DATA AVAILABLE SINCE TUB INLET  
 [3] ABANDON PIPE WITH PLUGS, PAID UNDER BID ITEM 20336 - PIPE PLUG

## STORM PIPE REMOVALS & ABANDONMENTS

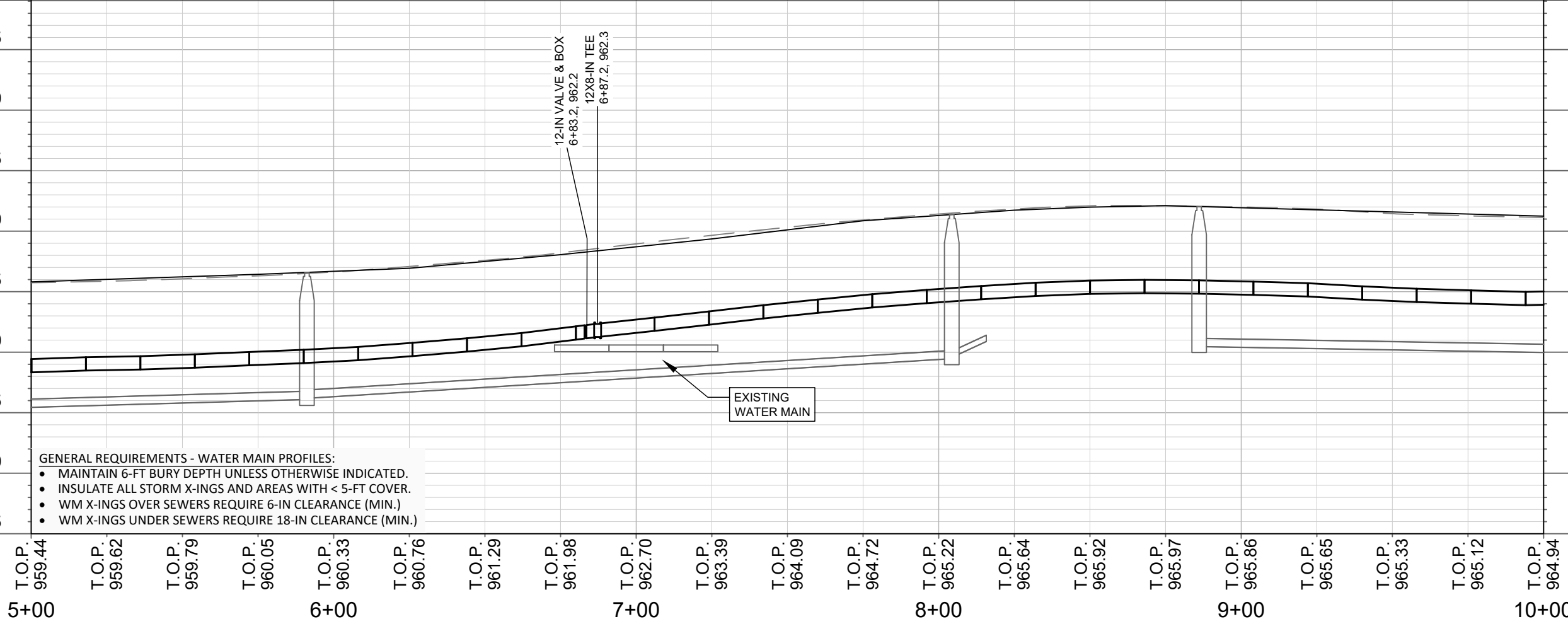
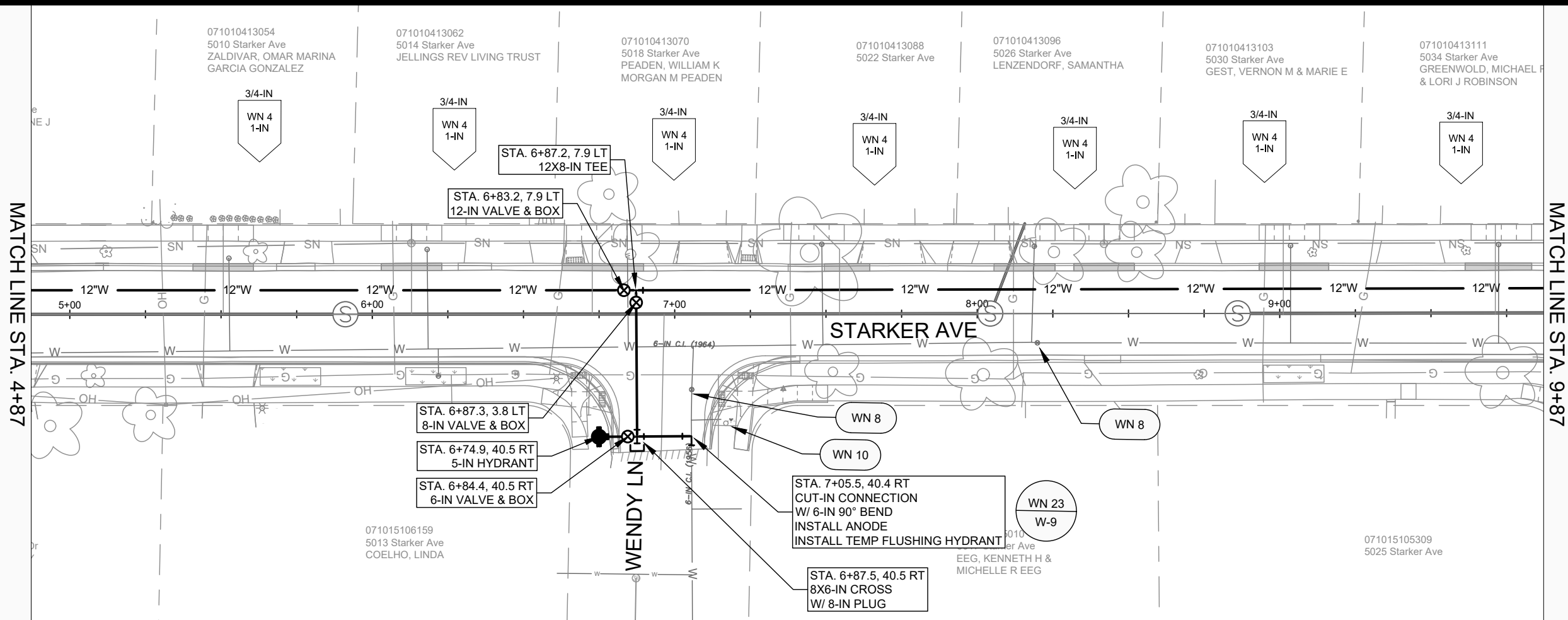
PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM PAID (FT)	LGTH (FT)	ABN LGTH (FT)	SLURRY (CY)	PIPE SIZE	PIPE TYPE	NOTES
<b>STARKER AVENUE</b>											
RP-1	S-1	RS-1	21	N	--	--	--	--	36"	RCP	
RP-2	RS-1	RS-3	16	N	--	--	--	--	18"	RCP	
RP-3	RS-3	S-2B	6	N	--	--	--	--	18"	RCP	
RP-4	RS-5	RS-7	33	N	--	--	--	--	12"	RCP	
ABAN-2	RS-1	RS-4	36	Y	--	36	1.05	--	12"	RCP	
ABAN-3	S-2	RS-6	255	Y	--	255	--	--	18"	RCP	[3]; APRX 2 PLUGS
ABAN-4	RS-6	RS-8	146	Y	--	146	--	--	18"	RCP	[3]; APRX 2 PLUGS
<b>DROSTER ROAD</b>											
ABAN-1	RS-1	RS-2	31	Y	--	31	--	--	15"	RCP	[3]; APRX 2 PLUGS
<b>ELLEN AVENUE</b>											
ABAN-5	RS-8	RS-10	49	Y	--	49	1.43	--	12"	RCP	
ABAN-6	RS-8	RS-9	11	Y	--	11	--	--	12"	RCP	[3]; APRX 2 PLUGS

## STORM ULO SCHEDULE

ID NO. (OFFSET)	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>STARKER AVENUE</b>				
ULO1-FO	28+08.06	LT-41.45	FIBER OPTIC	
ULO2-G	28+03.28	LT-14.04	2" GAS	
ULO18-FO	27+85.34	LT-18.07	FIBER OPTIC	
ULO3-FO	27+72.51	LT-17.53	FIBER OPTIC	
ULO4-G	25+33.45	RT-6.08	2" GAS	
ULO5A-G	25+17.32	LT-17.67	2" GAS	
ULO5B-FO	25+16.40	LT-17.38	FIBER OPTIC	
ULO6A-G	23+72.95	LT-17.16	2" GAS	
ULO6B-FO	23+72.87	LT-17.42	FIBER OPTIC	
ULO7-FO	23+66.26	LT-7.00	FIBER OPTIC	
ULO8A-G	23+54.59	LT-16.93	2" GAS	
ULO8B-FO	23+53.75	LT-17.58	FIBER OPTIC	
ULO11-FO	23+68.01	RT-6.23	FIBER OPTIC	
ULO12-G	23+20.52	RT-5.93	2" GAS	
ULO13-FO	22+81.53	LT-17.92	FIBER OPTIC	
ULO14-G	19+33.30	RT-6.08	2" GAS	
ULO15-FO	19+17.06	LT-17.97	FIBER OPTIC	
ULO16-G	16+17.90	RT-6.77	1/2" GAS	
ULO17-G	14+28.82	RT-6.99	3/4" GAS	
<b>ELLEN AVENUE</b>				
ULO9-FO	71+72.19	RT-24.31	FIBER OPTIC	
ULO10-G	71+81.42	LT-20.33	2" GAS	







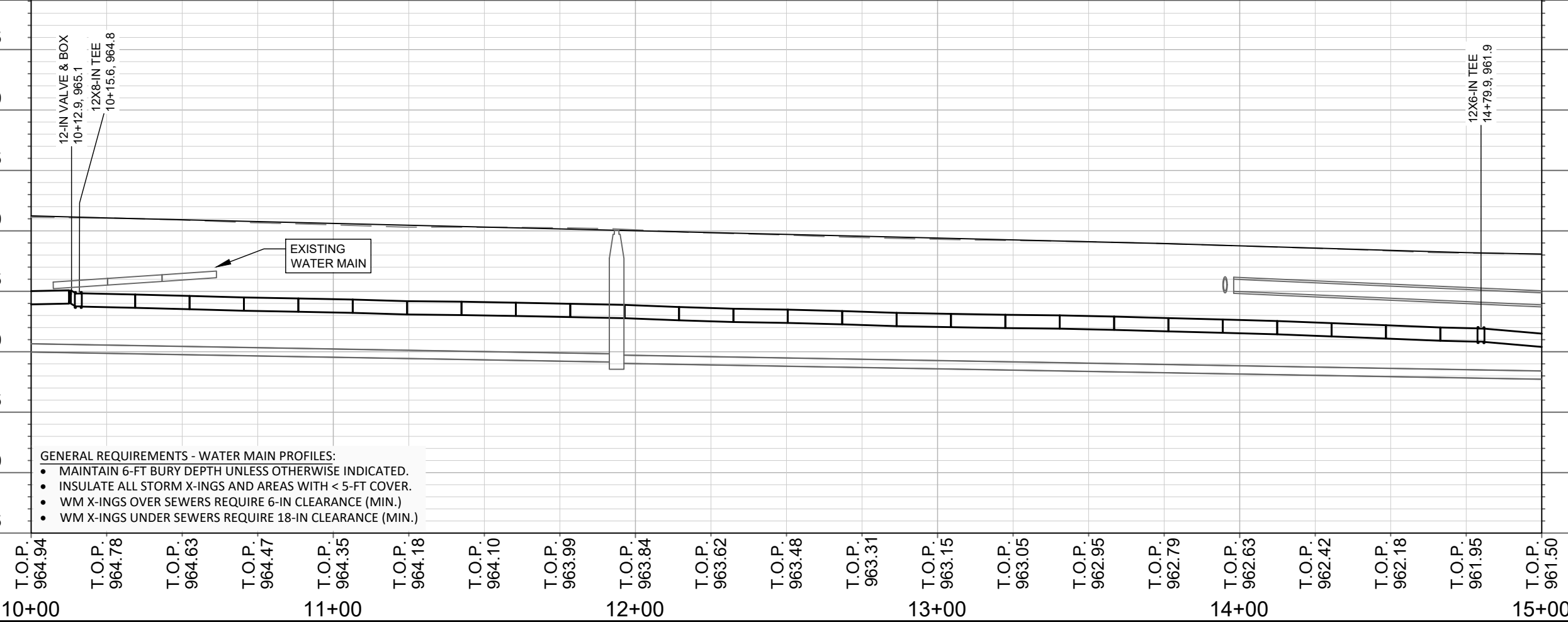
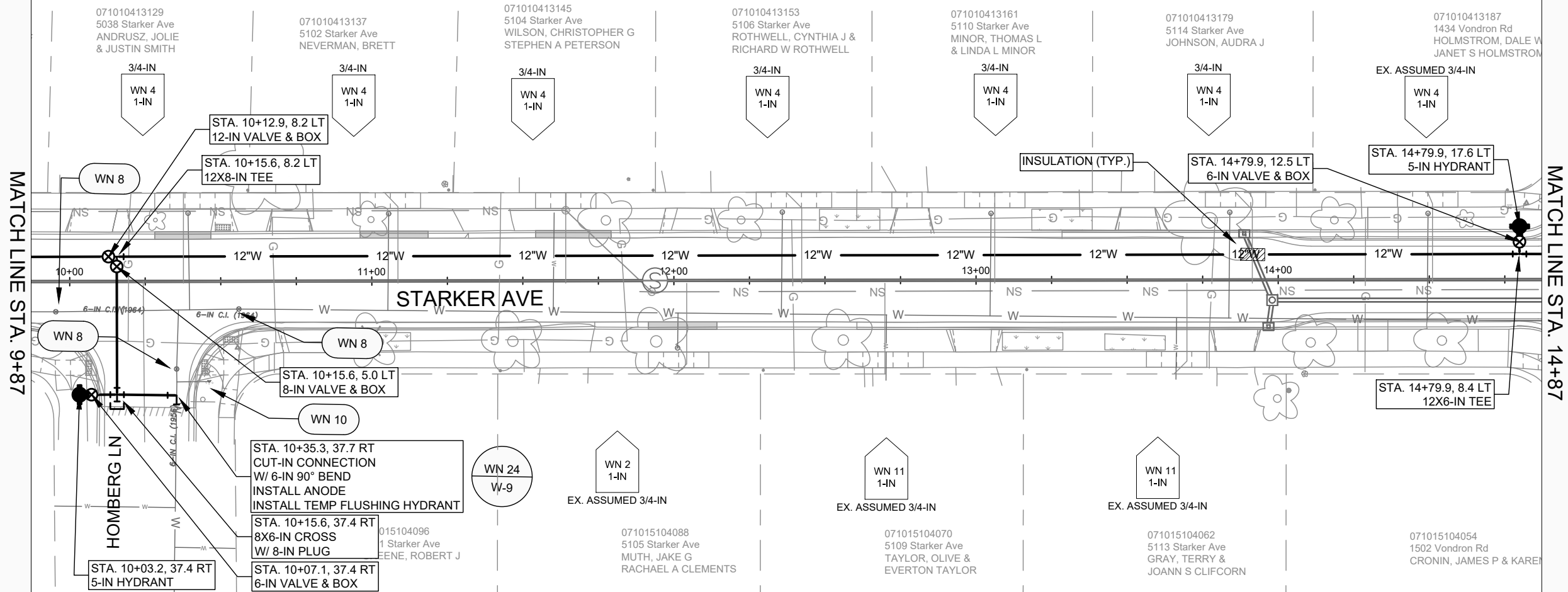
- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
  - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
  - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
  - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

MARK	REVISION	DATE	BY
14780	10/28/2024	10:55 AM	W-2

14780  
 MADISON, WI  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 CONTRACT NO.: 8759



14780  
 W-2



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

T.O.P. 964.94	T.O.P. 964.78	T.O.P. 964.63	T.O.P. 964.47	T.O.P. 964.35	T.O.P. 964.18	T.O.P. 964.10	T.O.P. 963.99	T.O.P. 963.84	T.O.P. 963.62	T.O.P. 963.48	T.O.P. 963.31	T.O.P. 963.15	T.O.P. 963.05	T.O.P. 962.95	T.O.P. 962.79	T.O.P. 962.63	T.O.P. 962.42	T.O.P. 962.18	T.O.P. 961.95	T.O.P. 961.50
10+00				11+00				12+00				13+00				14+00				15+00

MATCH LINE STA. 9+87

MATCH LINE STA. 14+87

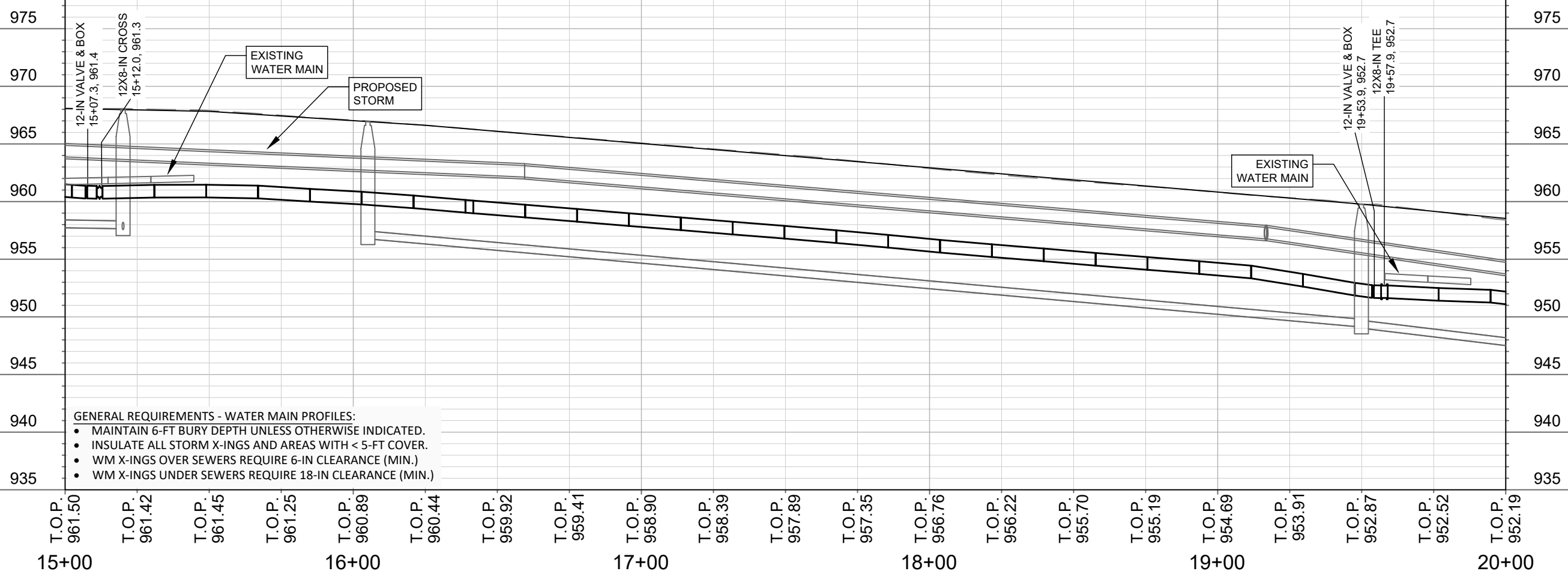
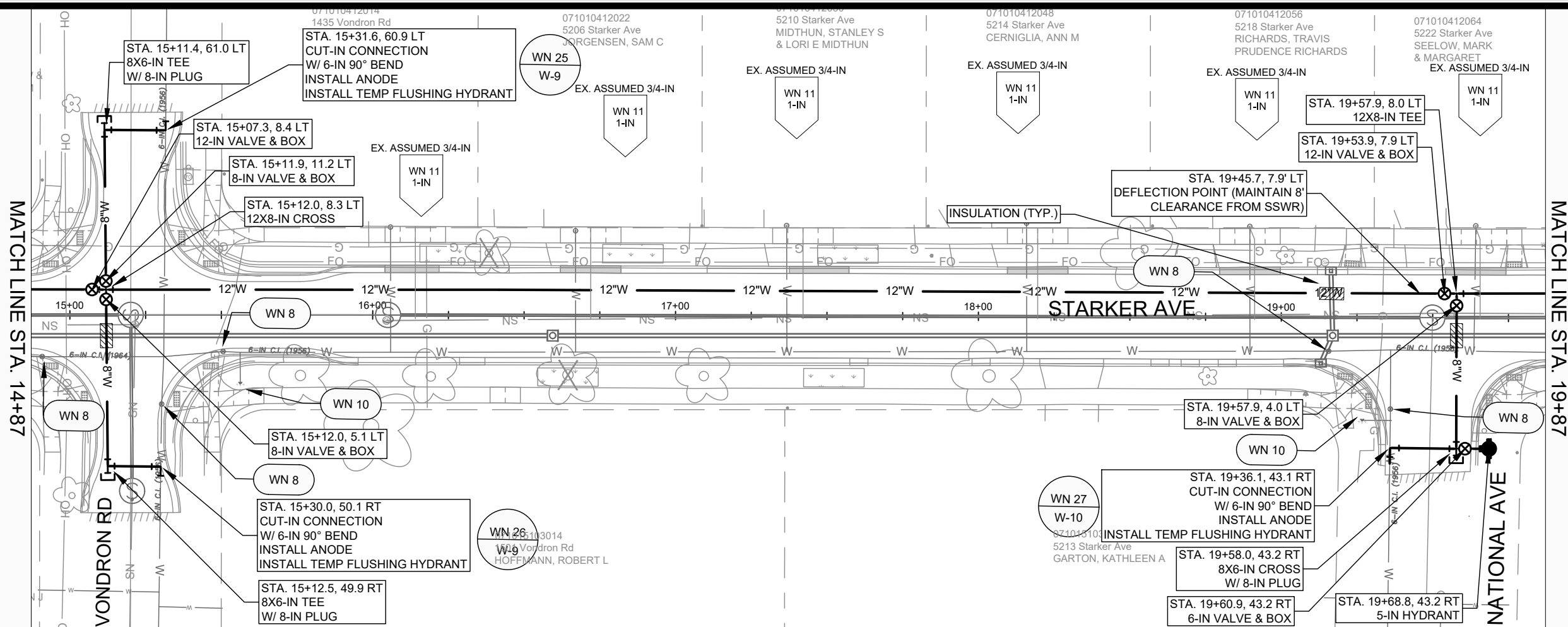
MARK	REVISION	DATE	BY
14780	10/28/2024	10:56 AM	W-3

14780  
MADISON, WI  
8759  
CONTRACT NO:

STARKER AVE - WATER MAIN PLAN & PROFILE  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
M:\DESIGN\Projects\14780\CAD\Water\14780-WU-Starker Ave.dwg



14780  
W-3



- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
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  - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

MARK	REVISION	DATE	BY
14780	10/28/2024	10:56 AM	W-4

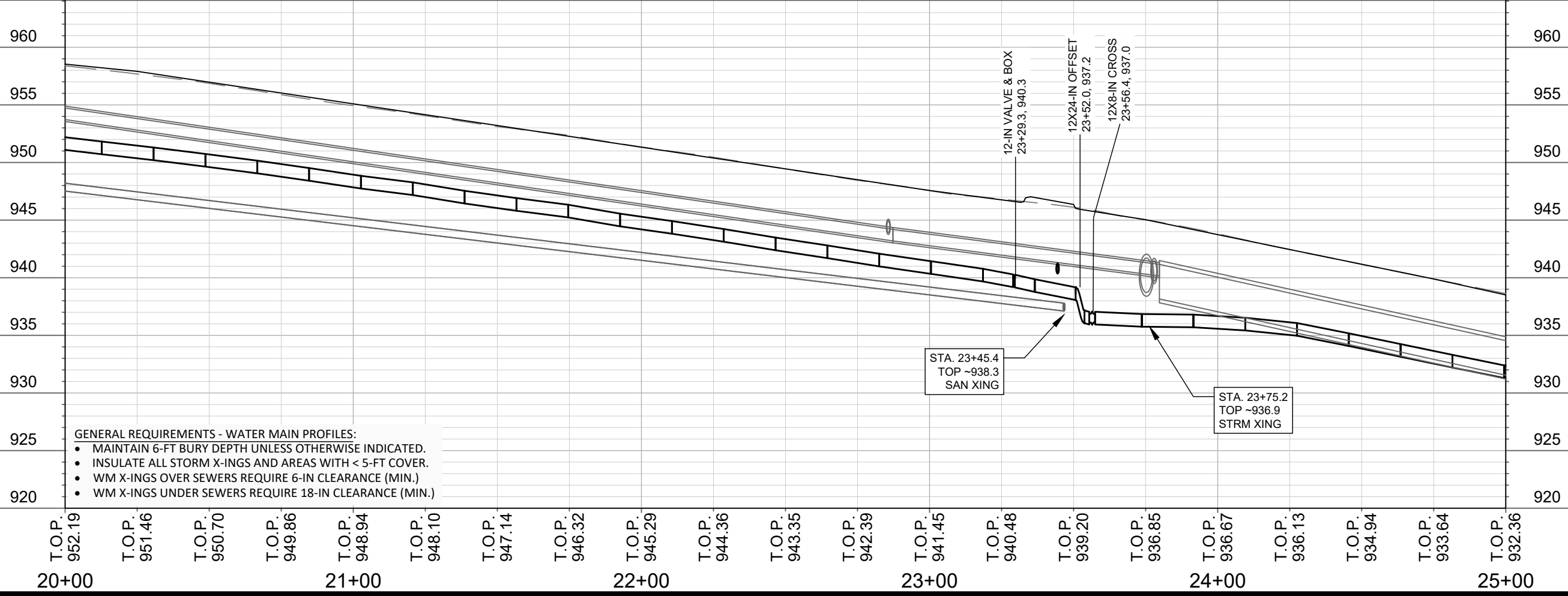
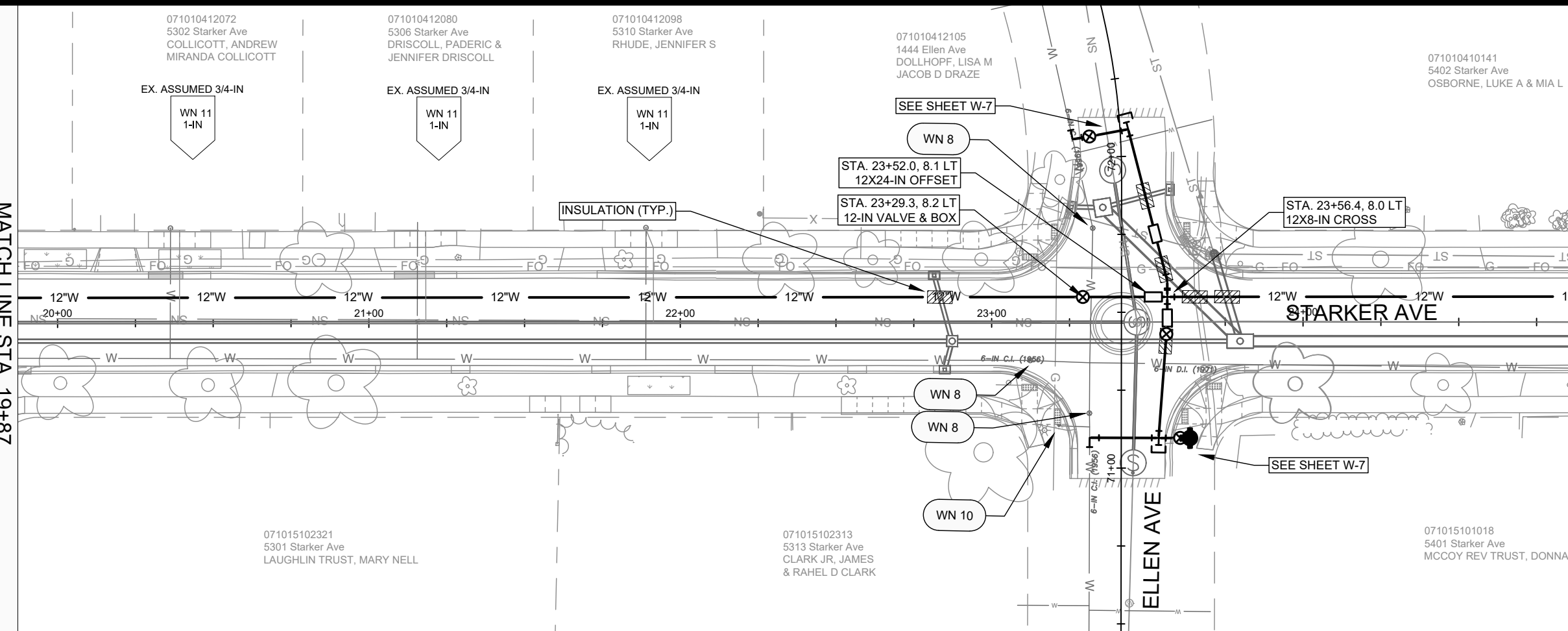
14780  
 MADISON, WI  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 CONTRACT NO: 8759



14780  
 W-4

MATCH LINE STA. 19+87

MATCH LINE STA. 24+87



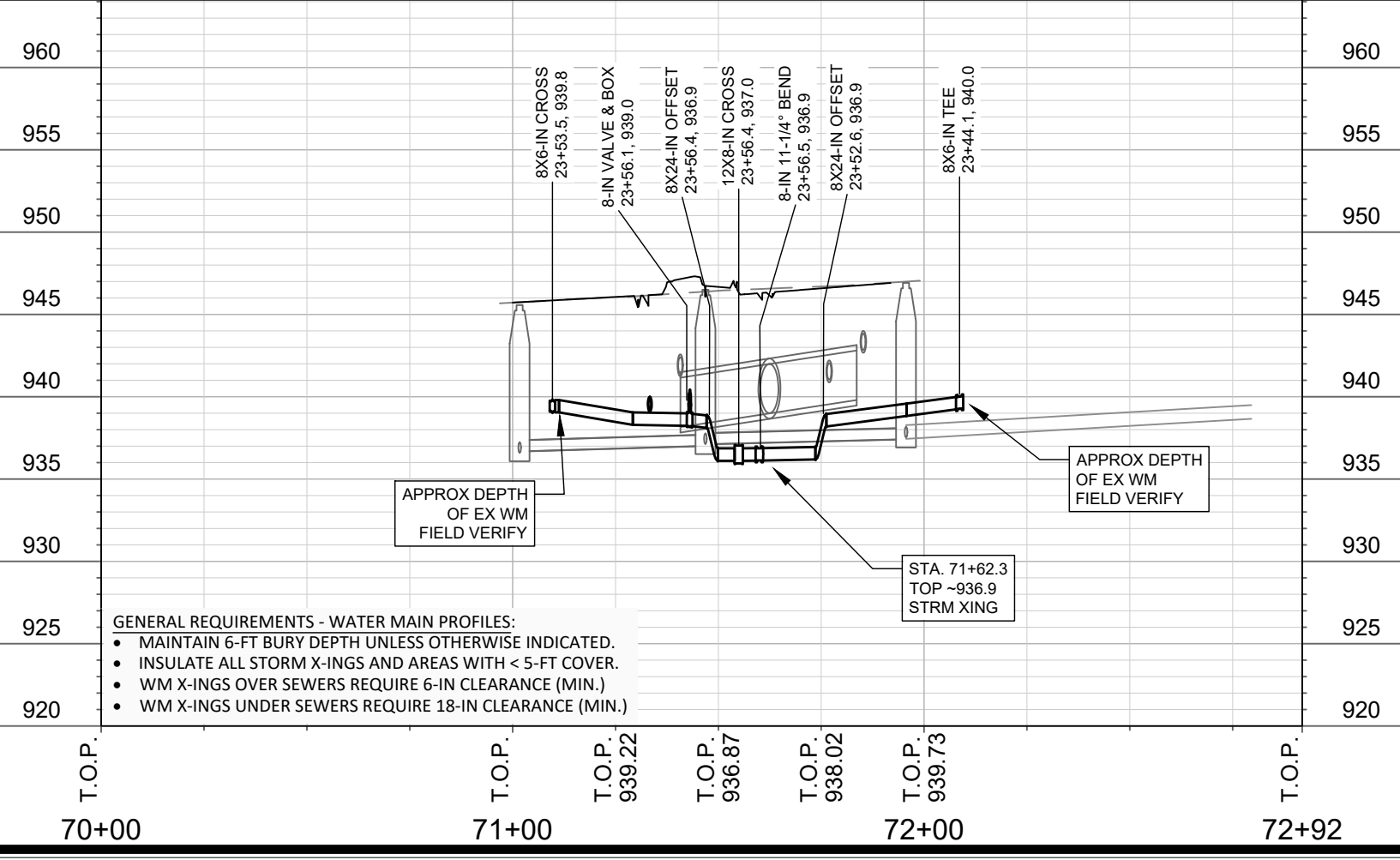
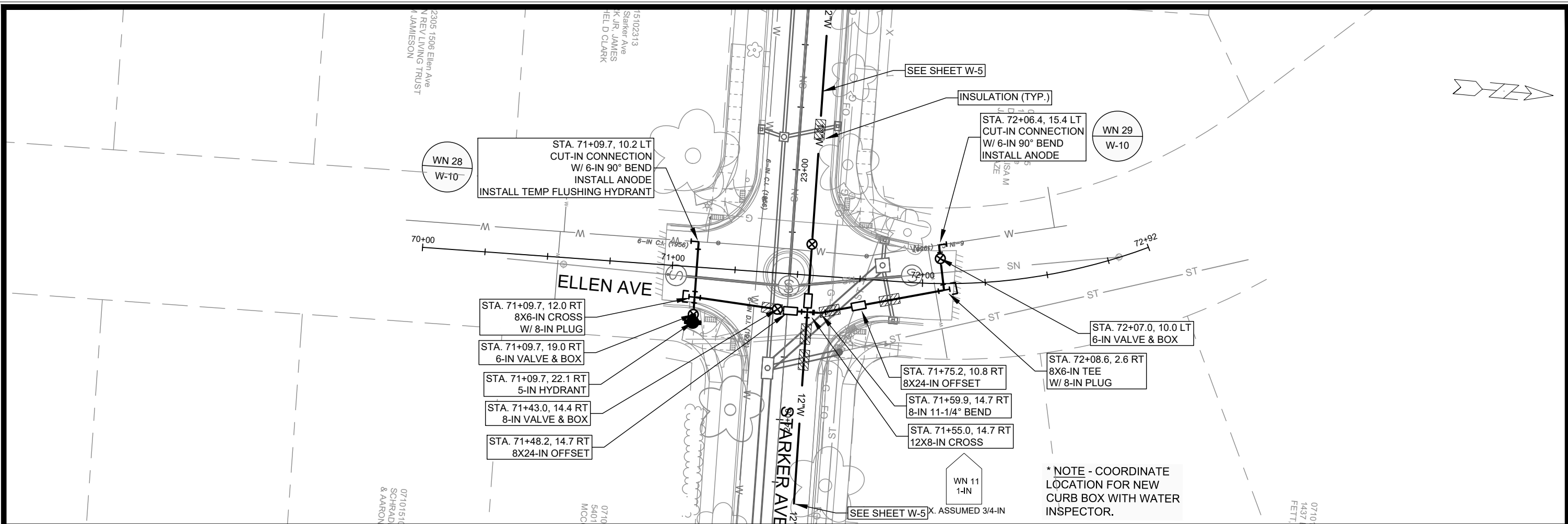
- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
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MARK	REVISION	DATE	BY
14780	10/28/2024	10:56 AM	W-5

14780  
 MADISON, WI  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 CONTRACT NO.: 8759

14780  
 W-5





- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
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  - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
  - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

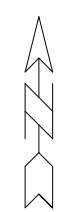
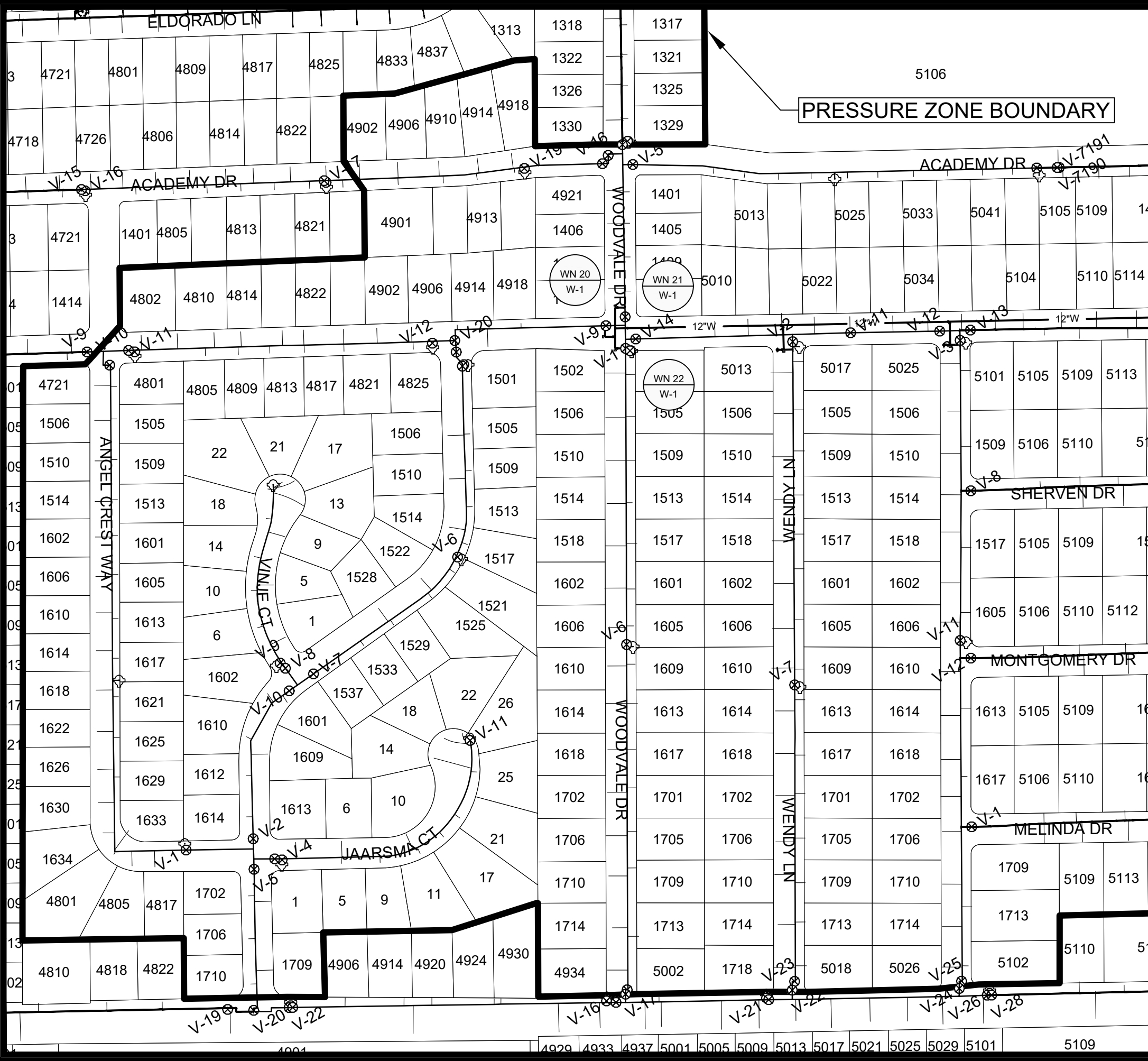
MARK	REVISION	DATE	BY

14780  
 MADISON, WI  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 CONTRACT NO: 8759

ELLEN AVE - WATER MAIN PLAN & PROFILE  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
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14780  
 W-7



1" = 200'

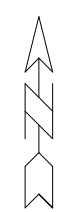
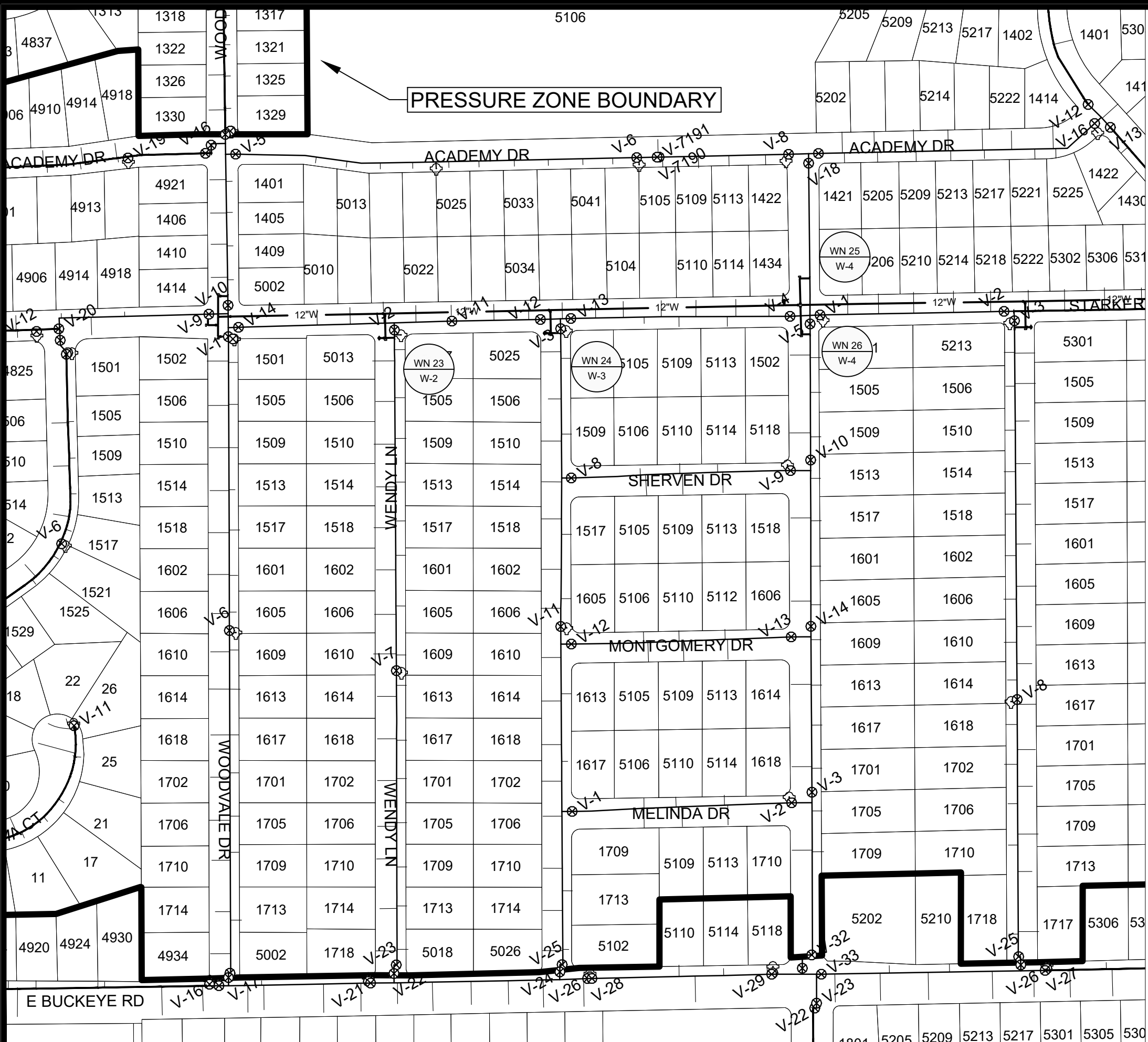
**PRESSURE ZONE BOUNDARY**

- WN 20: CUT-IN CONNECTION.  
ISOLATION VALVES:  
- V-9 (WOODVALE DR & STARKER AVE)  
PROVIDE NOTICE:  
- 1, 5, 6, 9, 10, 11, 14, 17, 18, 21, 22, 25, 26 JAARSMA CT  
- 1505, 1506, 1509, 1510, 1513, 1514, 1601, 1602, 1605, 1606, 1613, 1614, 1617, 1618, 1621, 1622, 1625, 1626, 1629, 1630, 1633, 1634 ANGEL CREST WAY  
- 4801, 4805 HALO LN  
- 1, 5, 6, 9, 10, 13, 14, 17, 18, 21, 22 VINJE CT  
- 1501, 1505, 1506, 1509, 1510, 1513, 1514, 1517, 1521, 1522, 1525, 1528, 1529, 1533, 1537, 1601, 1602, 1609, 1610, 1612, 1613, 1614, 1701, 1702, 1706, 1709, 1710 TWILIGHT TRL  
- 4801, 4802, 4805, 4809, 4810, 4813, 4814, 4817, 4818, 4821, 4822, 4825, 4826, 4902, 4906, 4914, 4918 STARKER AVE.
- WN 21: CUT-IN CONNECTION  
ISOLATION VALVES:  
- V-5 (WOODVALE DR & ACADEMY DR)  
- V-10 (WOODVALE DR & STARKER AVE)  
PROVIDE NOTICE:  
- 5002 STARKER AVE  
- 1401, 1405, 1406, 1409, 1410, 1414 WOODVALE DR  
- 4825, 4826, 4901, 4902, 4906, 4909, 4910, 4913, 4914, 4917, 4918, 4921 ACADEMY DR
- WN 22: CUT-IN CONNECTION.  
ISOLATION VALVES:  
- V-1 (WOODVALE DR & STARKER AVE)  
PROVIDE NOTICE:  
- 1501, 1502, 1505, 1506, 1509, 1510, 1513, 1514, 1517, 1518, 1601, 1602, 1605, 1606, 1609, 1610, 1613, 1614, 1617, 1618, 1701, 1702, 1705, 1706, 1709, 1710, 1713, 1714 WOODVALE DR.  
- 4934, 5002 BUCKEYE RD.

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.

BY	DATE	W-8
REVISION	10/28/2024 10:57 AM	
DESIGNED BY	MARK	14780
PROJECT NO.	14780	
CONTRACT NO.	8759	
<b>WATER IMPACT PLAN</b> <b>STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024</b> MADISON, WI		
14780		W-8





1" = 200'

WN 23: CUT-IN CONNECTION.  
 ISOLATION VALVES:  
 - V-2 (WENDY LN & STARKER AVE)  
 PROVIDE NOTICE:  
 - 1505, 1506, 1509, 1510, 1513, 1514, 1517, 1518, 1601, 1602, 1605, 1606, 1609, 1610, 1613, 1614, 1617, 1618, 1701, 1702, 1705, 1706, 1709, 1710, 1713, 1714, 1718 WENDY LN  
 - 5013, 5017 STARKER AVE.  
 - 5018 BUCKEYE RD

WN 24: CUT-IN CONNECTION.  
 ISOLATION VALVES:  
 - V-1 (HOMBERG LN & MELINDA DR)  
 - V-3 (HOMBERG LN & STARKER AVE)  
 - V-8 (HOMBERG LN & SHERVEN DR)  
 - V-12 (HOMBERG LN & MONTGOMERY DR)  
 PROVIDE NOTICE:  
 - 5025, 5101 STARKER AVE  
 - 1506, 1509, 1510, 1514, 1517, 1518, 1602, 1605, 1606, 1610, 1613, 1614, 1617, 1618, 1702, 1706, 1709, 1710, 1713, 1714 HOMBERG LN  
 - 5026, 5102 BUCKEYE RD

WN 25: CUT-IN CONNECTION.  
 ISOLATION VALVES:  
 - V-1 (VONDRON RD & STARKER AVE)  
 - V-4 (VONDRON RD & STARKER AVE)  
 - V-5 (VONDRON RD & STARKER AVE)  
 - V-18 (VONDRON RD & ACADEMY DR)  
 PROVIDE NOTICE:  
 - NONE

WN 26: CUT-IN CONNECTION.  
 ISOLATION VALVES:  
 - V-2 (VONDRON RD & MELINDA DR)  
 - V-5 (VONDRON RD & STARKER AVE)  
 - V-9 (VONDRON RD & SHERVEN DR)  
 - V-13 (VONDRON RD & MONTGOMERY DR)  
 PROVIDE NOTICE:  
 - 1501, 1502, 1505, 1509, 1513, 1517, 1518, 1601, 1605, 1606, 1609, 1613, 1614, 1617, 1618, 1701, 1705, 1709, 1710 VONDRON RD  
 - 5118 SHERVEN DR

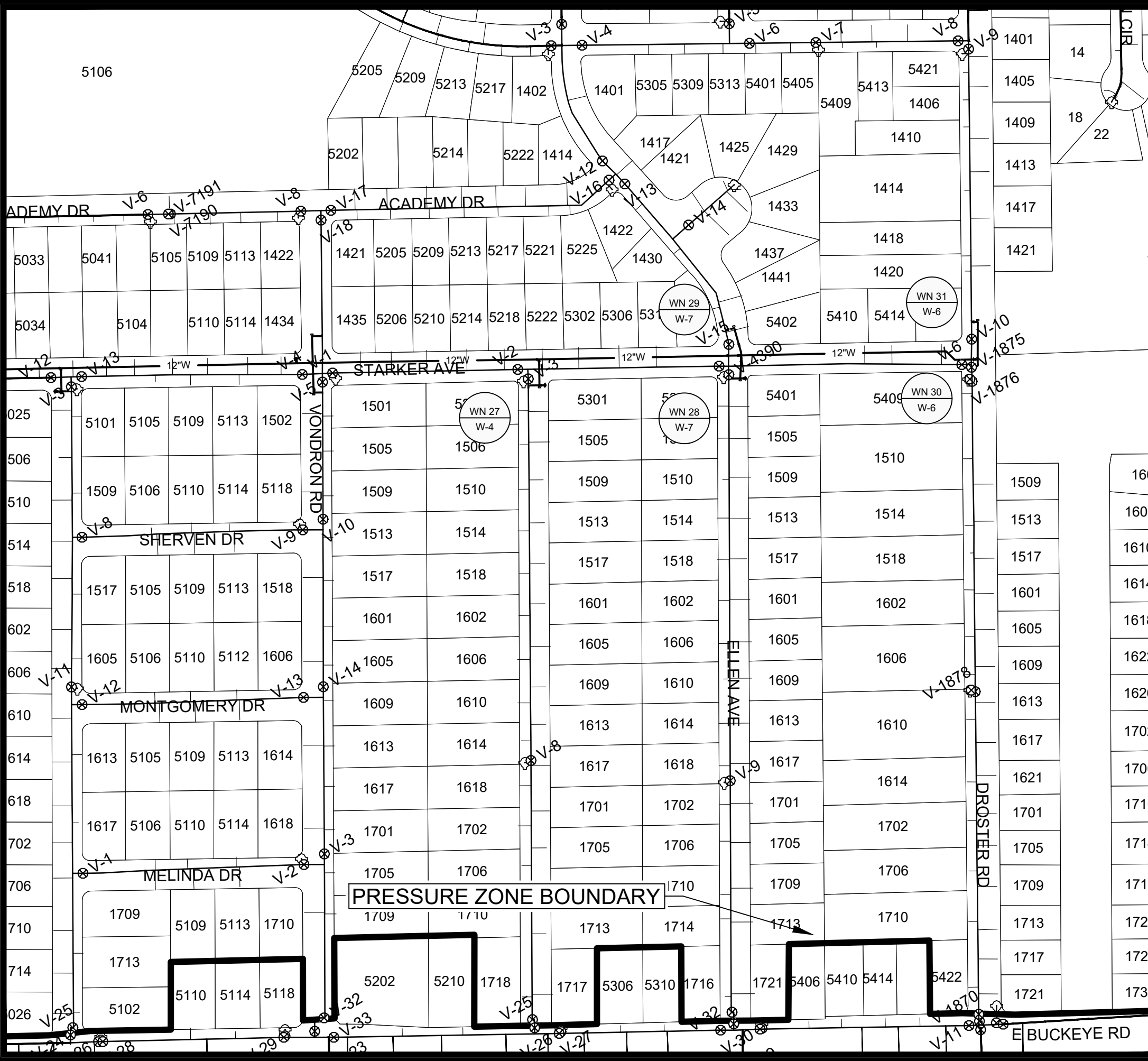
DISCLAIMER NOTE:  
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

BY	DATE	REVISION	MARK	DESIGNED BY	DATE	SCALE

14780  
 WATER IMPACT PLAN  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 MADISON, WI  
 CONTRACT NO.: 8759  
 M:\DESIGN\Projects\14780\CAD\Water\14780 WU ImpactPlan.dwg



14780  
 W-9



1" = 200'

- WN 27: CUT-IN CONNECTION.**  
**ISOLATION VALVES:**  
 - V-3 (STARKER AVE & NATIONAL AVE)  
**PROVIDE NOTICE:**  
 - 5213, 5301 STARKER AVE  
 - 1505, 1506, 1509, 1510, 1513, 1514, 1517, 1518, 1601, 1602, 1605, 1606, 1609, 1610, 1613, 1614, 1617, 1618, 1701, 1702, 1705, 1706, 1709, 1710, 1713, 1717, 1718 NATIONAL AVE
- WN 28: CUT-IN CONNECTION.**  
**ISOLATION VALVES:**  
 - V-4390 (STARKER AVE & ELLEN AVE)  
**PROVIDE NOTICE:**  
 - 5313, 5401 STARKER AVE  
 - 1505, 1506, 1509, 1510, 1513, 1514, 1517, 1518, 1601, 1602, 1605, 1606, 1609, 1610, 1613, 1614, 1617, 1618, 1701, 1702, 1705, 1706, 1709, 1710, 1713, 1714, 1716, 1721 ELLEN AVE
- WN 29: CUT-IN CONNECTION.**  
**ISOLATION VALVES:**  
 - V-13 (ACADEMY AVE & ELLEN AVE)  
 - V-15 (STARKER AVE & ELLEN AVE)  
**PROVIDE NOTICE:**  
 - 5402 STARKER AVE  
 - 1421, 1422, 1425, 1429, 1430, 1433, 1437, 1441 1444 ELLEN AVE
- WN 30: CUT-IN CONNECTION.**  
**ISOLATION VALVES:**  
 - V-6 (STARKER AVE & DROSTER RD)  
 - V-10 (STARKER AVE & DROSTER RD)  
 - V-1876 (STARKER AVE & DROSTER RD)  
**PROVIDE NOTICE:**  
 - 5409 STARKER AVE  
 - 1509, 1510, 1513, 1514, 1517, 1518, 1601, 1602, 1605, 1606, 1609, 1610, 1613, 1614, 1617, 1621, 1701, 1702, 1705, 1706, 1709, 1710, 1713, 1717, 1721
- WN 31: CUT-IN CONNECTION.**  
**ISOLATION VALVES:**  
 - V-9 (PAINTED POST DR & DROSTER RD)  
 - V-10 (STARKER AVE & DROSTER RD)  
**PROVIDE NOTICE:**  
 - 5421 PAINTED POST DR  
 - 1401, 1405, 1406, 1409, 1410, 1413, 1414, 1417, 1418, 1420, 1421 DROSTER RD

**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
10/28/2024	10:57 AM
REVISION	Scale: 1" = 200'
MARK	14780
DESIGNED BY	14780
CONTRACT NO.	8759
PROJECT	14780
CITY	MADISON, WI
DISTRICT	STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024
PLAN	WATER IMPACT PLAN
FILE	M:\DESIGN\Projects\14780\CAD\Water\14780 WU ImpactPlan.dwg
PROJECT NO.	14780
W-10	W-10

**CONSTRUCTION NOTES:**

- |   |  |
|---|--|
| <p>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.</p> <p>2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.</p> <p>3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.</p> | <p>WN-1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|---|--|

**WATER UTILITY ULO SCHEDULE**

ULO	UTILITY	STATION	OFFSET	SHEET
-----	---------	---------	--------	-------

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

DESCRIPTION	QUANTITY	UNIT
FURNISH AND INSTALL 6 INCH PIPE & FITTINGS	220	LNFT
FURNISH AND INSTALL 8 INCH PIPE & FITTINGS	440	LNFT
FURNISH AND INSTALL 12 INCH PIPE & FITTINGS	2600	LNFT
FURNISH AND INSTALL 6-INCH WATER VALVE	7	EACH
FURNISH AND INSTALL 8-INCH WATER VALVE	8	EACH
FURNISH AND INSTALL 12-INCH WATER VALVE	8	EACH
FURNISH, INSTALL AND SALVAGE HYDRANT	5	EACH
FURNISH AND INSTALL 1 INCH SERVICE LATERALS	12	EACH
RECONNECT 1-INCH SERVICE LATERAL	18	EACH
CUT-IN OR CONNECT TO EXISTING WATER SYSTEM	12	EACH
ABANDON WATER VALVE BOX	18	EACH
STYROFOAM INSULATION BOARDS	15	EACH
8-IN MJ PLUG	8	EACH
12-IN MJ PLUG	3	EACH
8X6-IN CROSS	4	EACH
12X8-IN CROSS	2	EACH
6-IN 90° BEND	8	EACH
8-IN 90° BEND	2	EACH
12-IN 90° BEND	2	EACH
12-IN 45° BEND	2	EACH
8-IN 11-1/4° BEND	1	EACH
12X8-IN REDUCER	1	EACH
8X6-IN TEE	4	EACH
8X8-IN TEE	1	EACH
12X6-IN TEE	2	EACH
12X8-IN TEE	3	EACH
8X24-IN OFFSET	2	EACH
12X24-IN OFFSET	1	EACH
INSTALL ANODE	12	EACH

\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

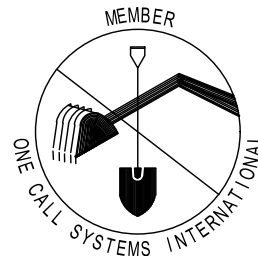
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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.

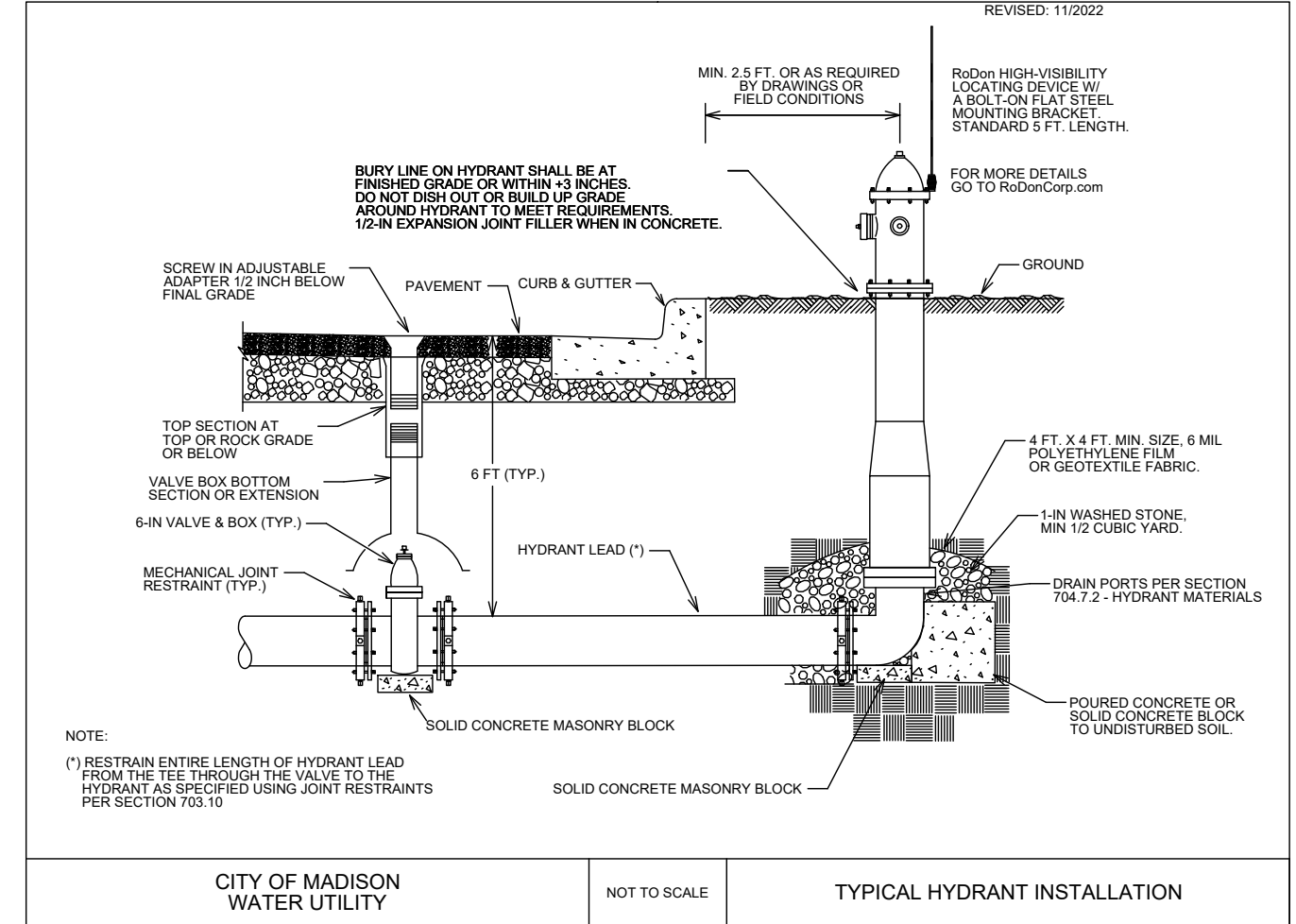


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

**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

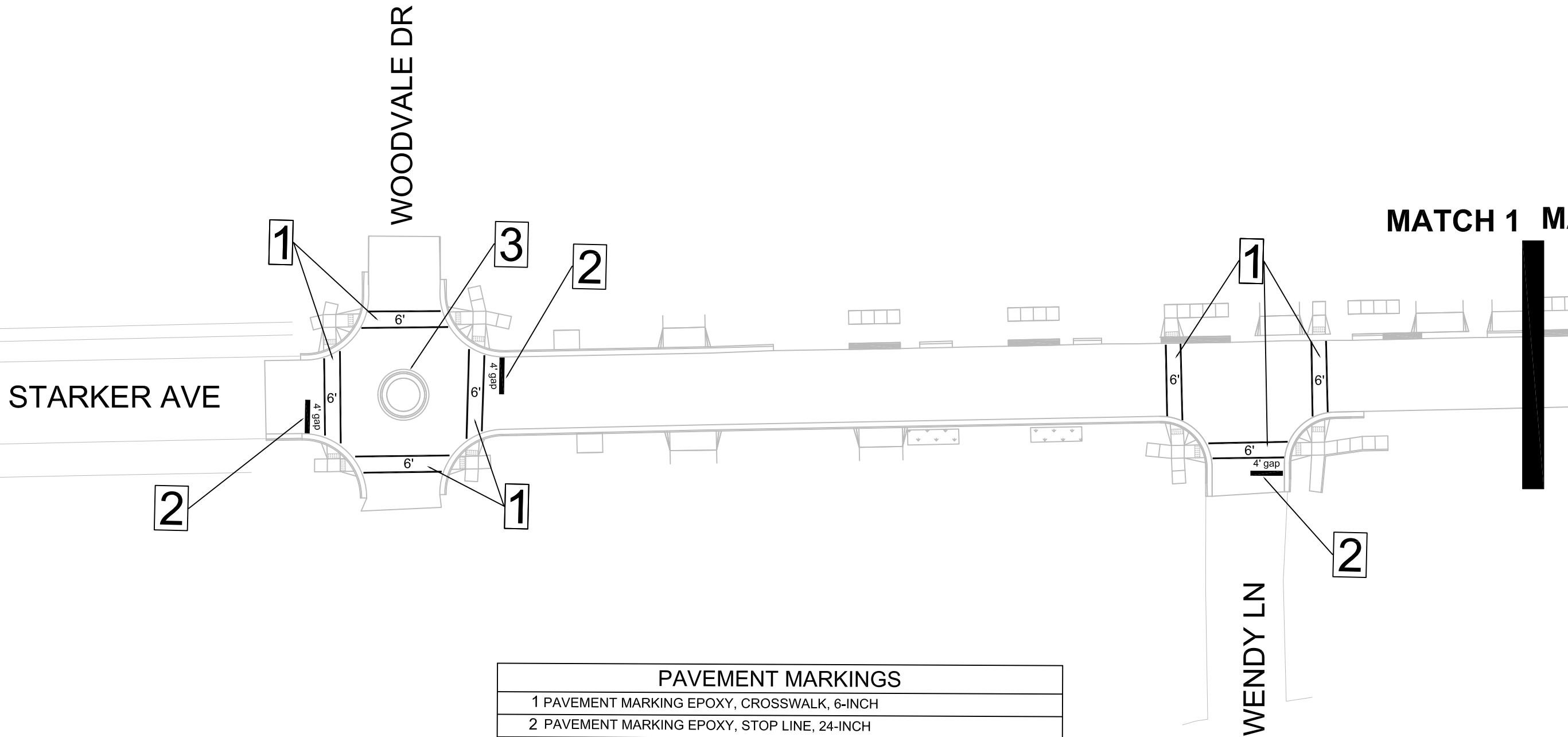
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14780	10/28/2024	10:57 AM	N/A

14780  
MADISON, WI  
8759  
CONTRACT NO:

WATER ESTIMATE OF MATERIALS  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
M:\DESIGN\Projects\14780\CAD\Water\14780 WU Materials.dwg



14780  
W-11



PAVEMENT MARKINGS	
1	PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH
2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
3	PAVEMENT MARKING EPOXY, YELLOW CURB

Notes: All dimensions are to center of marking and face of curb, for layout questions, contact Ali Heinritz, aheinritz@cityofmadison.com 608.267.1102

MARK	REVISION	DATE	BY
14780	Described Bfr. A.H.	Date: 10/25/2024 12:53 PM	Scale: ---

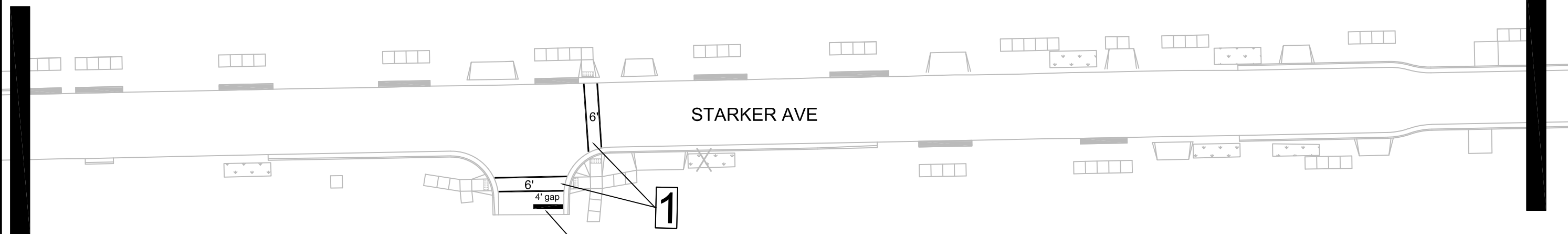
PAVEMENT MARKING PLAN  
 14780  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 MADISON, WI  
 CONTRACT NO: 8759  
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14780  
 PM-1

MATCH 1

MATCH 2 M



HOMBERG LN

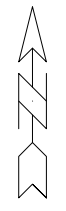
STARKER AVE

1

2

PAVEMENT MARKINGS	
1	PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH
2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
3	PAVEMENT MARKING EPOXY, YELLOW CURB

Notes: All dimensions are to center of marking and face of curb, for layout questions, contact Ali Heinritz, aheinritz@cityofmadison.com 608.267.1102

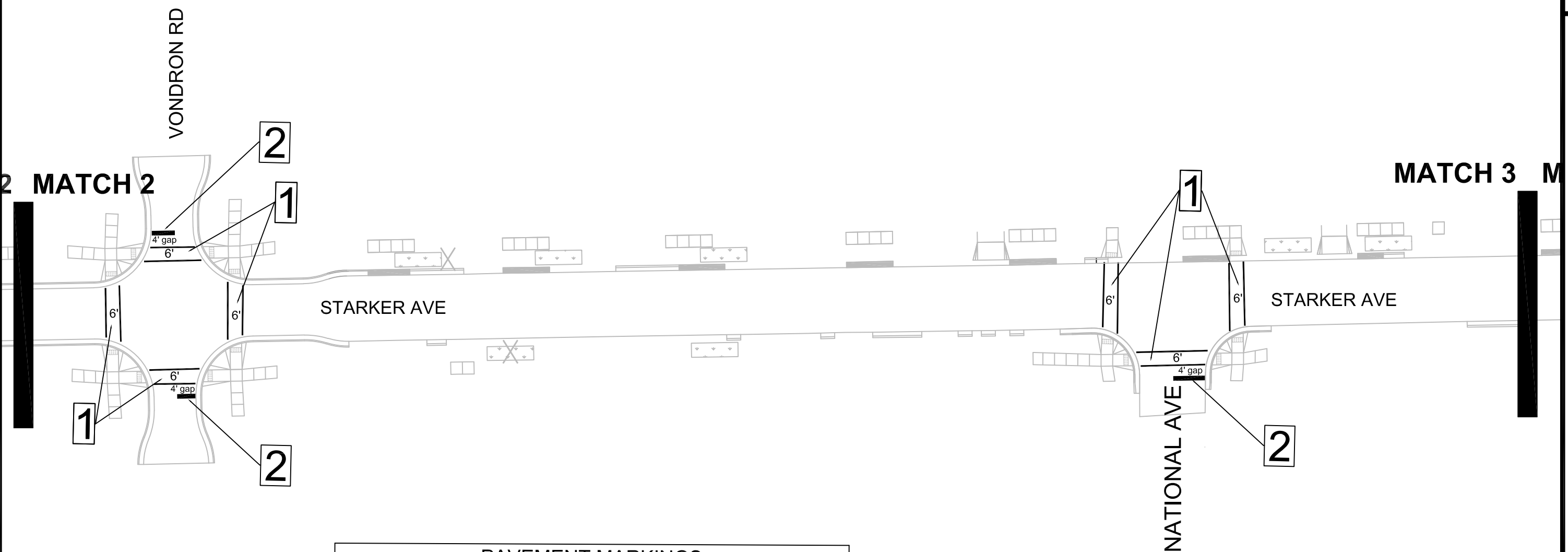
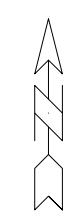


MARK	REVISION	DATE	BY
14780	Described Bfr. A.H.	Date: 10/25/2024 12:54 PM	Scale: ---

14780  
 MADISON, WI  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 CONTRACT NO: 8759  
 M:\DESIGN\Projects\14780\CAD\Traffic\14780TE-PVM Marking Plan.dwg



14780  
 PM-2



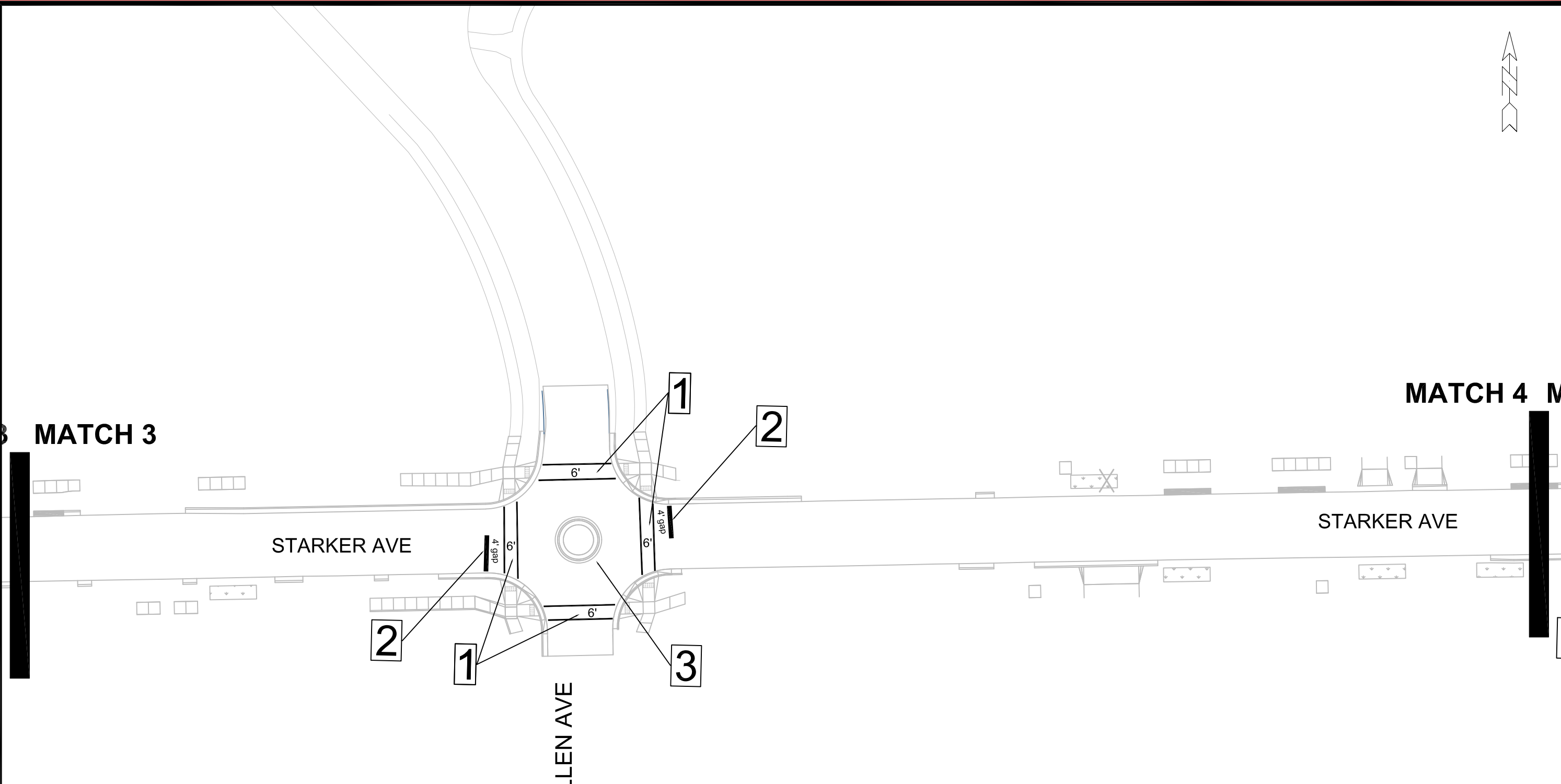
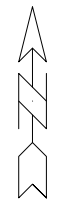
PAVEMENT MARKINGS	
1	PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH
2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
3	PAVEMENT MARKING EPOXY, YELLOW CURB

Notes: All dimensions are to center of marking and face of curb, for layout questions, contact Ali Heinritz, aheinritz@cityofmadison.com 608.267.1102

MARK	REVISION	DATE	BY
14780	Described Bfr. A.H.	Date: 10/25/2024 12:54 PM	Scale: ---

PAVEMENT MARKING PLAN  
 14780  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 MADISON, WI  
 CONTRACT NO: 8759  
 M:\DESIGN\Projects\14780\CAD\Traffic\14780TE-PVM Marking Plan.dwg

14780  
PM-3



MATCH 3

MATCH 4

STARKER AVE

STARKER AVE

ELLEN AVE

2

1

3

1

2

PAVEMENT MARKINGS	
1	PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH
2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
3	PAVEMENT MARKING EPOXY, YELLOW CURB

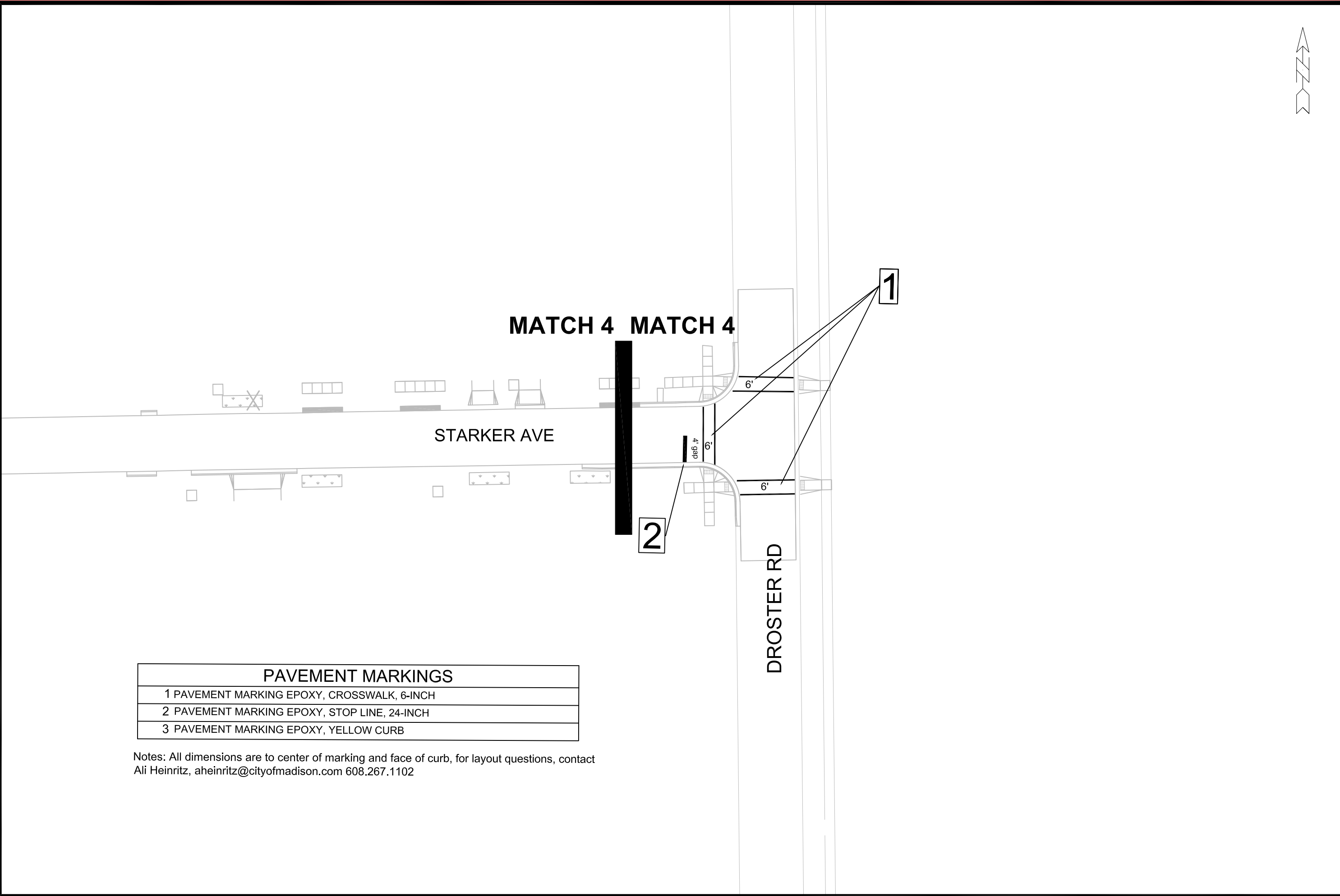
Notes: All dimensions are to center of marking and face of curb, for layout questions, contact Ali Heinritz, aheinritz@cityofmadison.com 608.267.1102

MARK	REVISION	DATE	BY
14780	10/25/2024	12:55 PM	PM-4

PAVEMENT MARKING PLAN  
 14780  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 MADISON, WI  
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14780  
PM-4



MATCH 4 MATCH 4

STARKER AVE

DROSTER RD

1

2

PAVEMENT MARKINGS	
1	PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH
2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
3	PAVEMENT MARKING EPOXY, YELLOW CURB

Notes: All dimensions are to center of marking and face of curb, for layout questions, contact Ali Heinritz, aheinritz@cityofmadison.com 608.267.1102

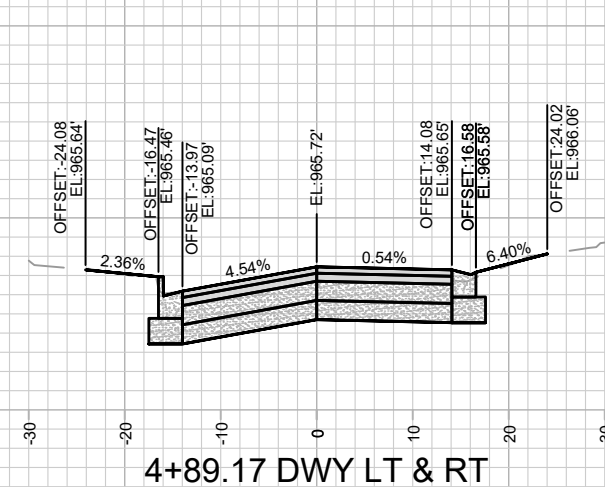
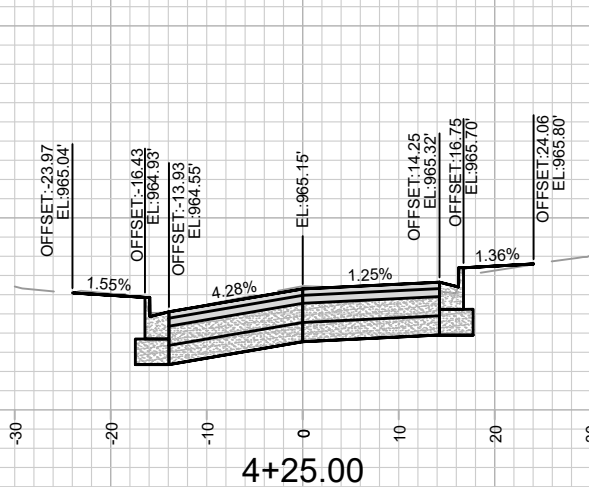
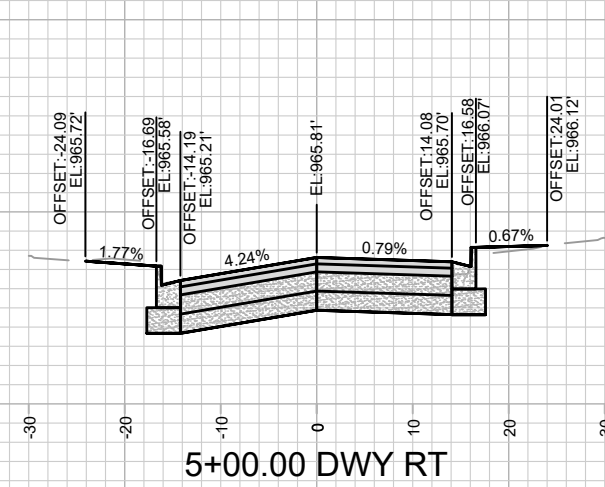
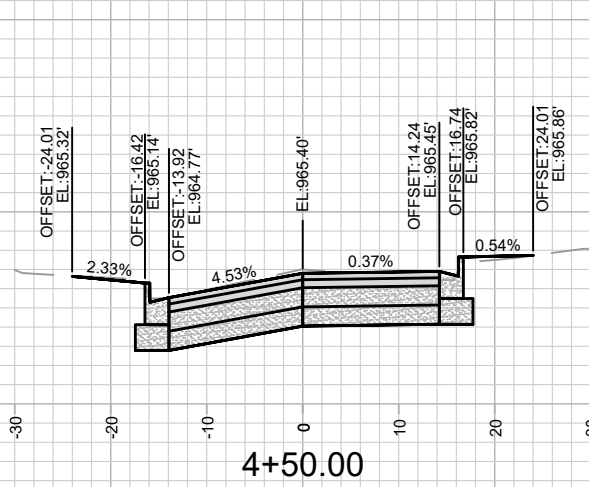
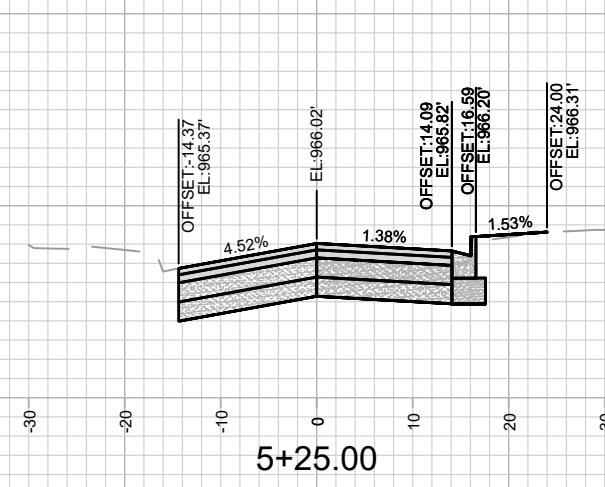
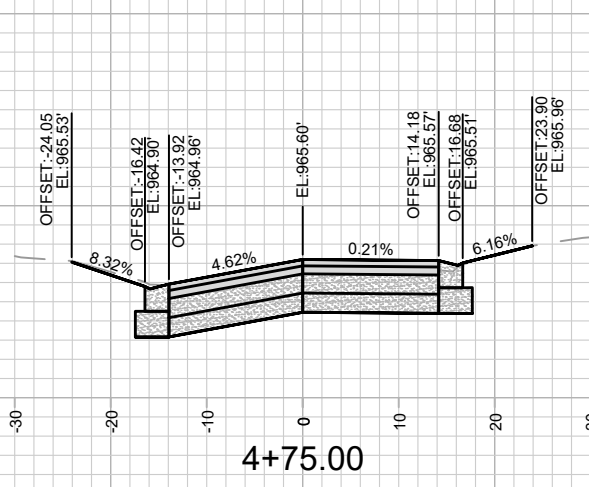
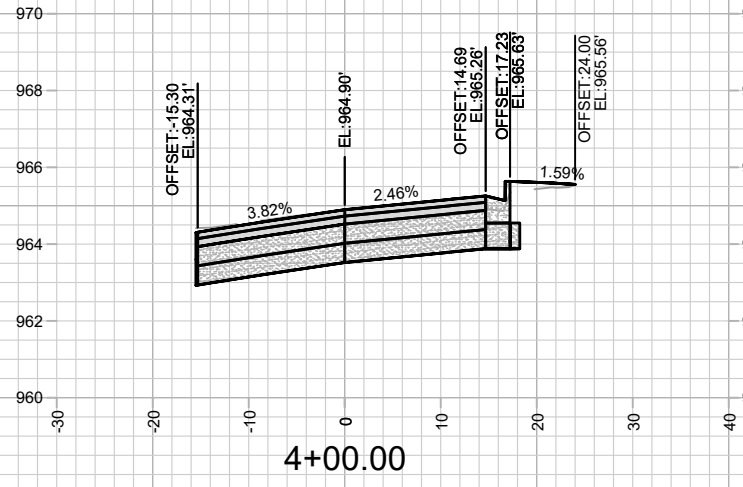
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14780	Described By: A.H.	Date: 10/25/2024 12:55 PM	Scale: ---

PAVEMENT MARKING PLAN	14780
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024	MADISON, WI
M:\DESIGN\Projects\14780\CAD\Traffic\14780TE-PVM Marking Plan.dwg	
CONTRACT NO: 8759	



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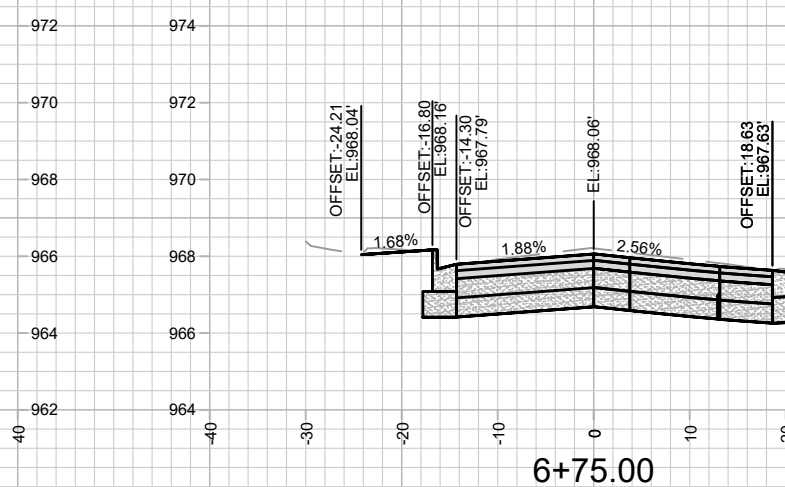
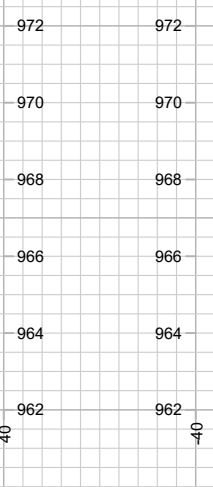
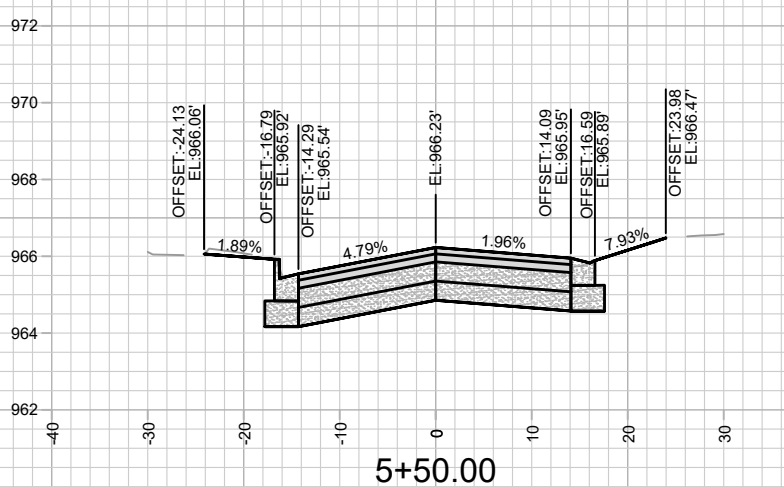
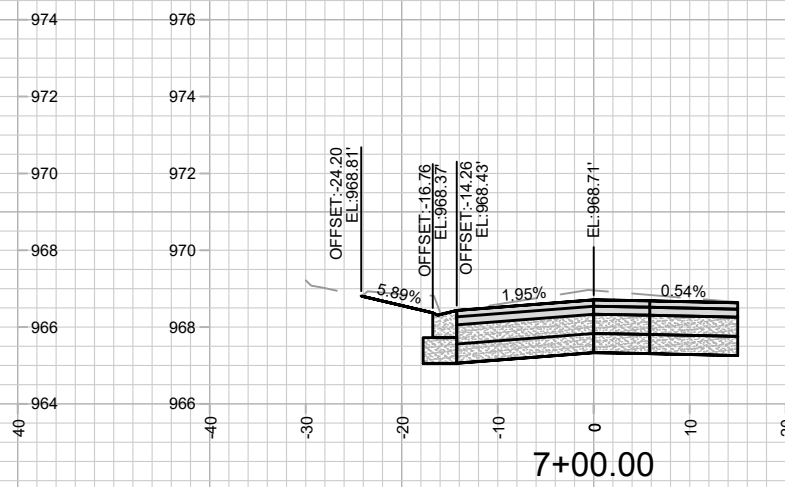
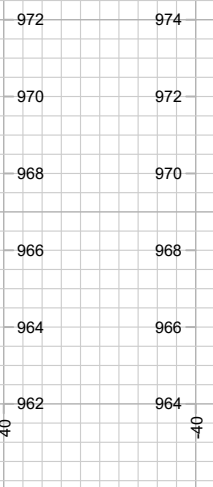
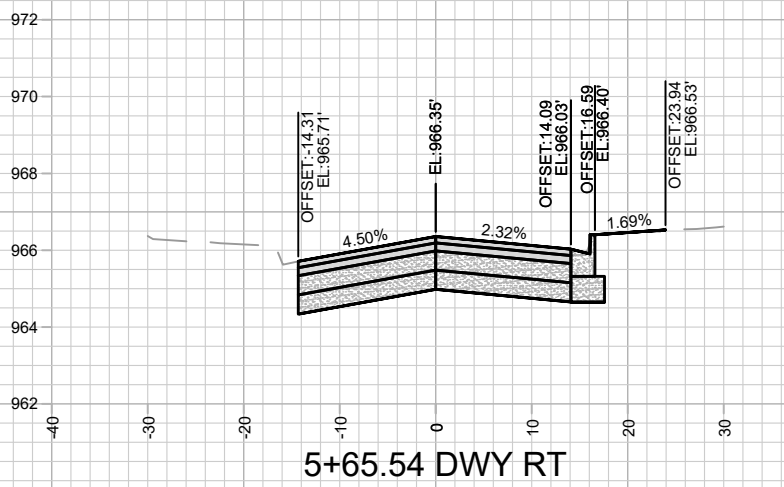
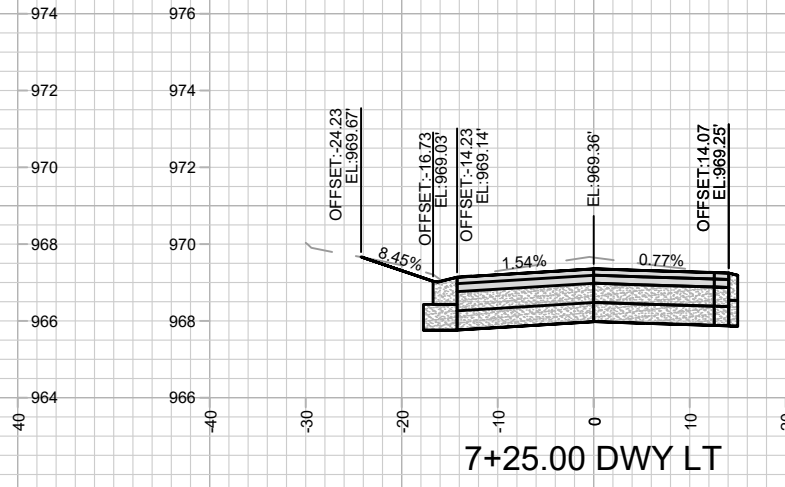
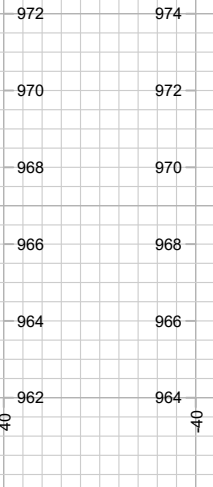
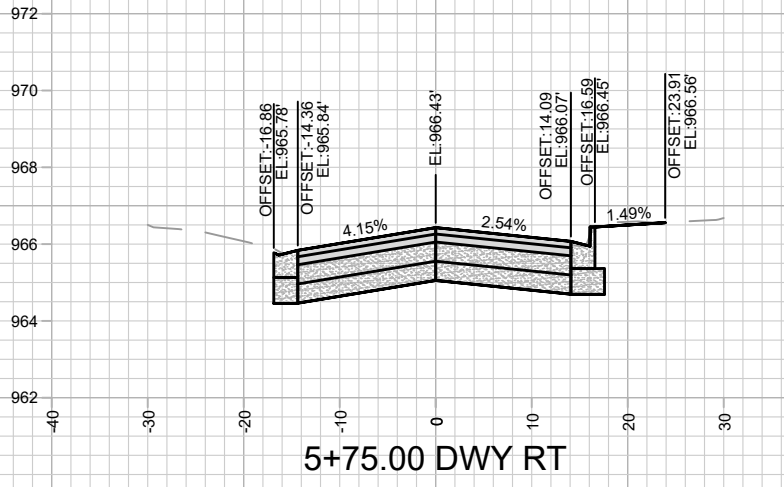




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 MADISON, WI  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
 CONTRACT NO.: 8759  
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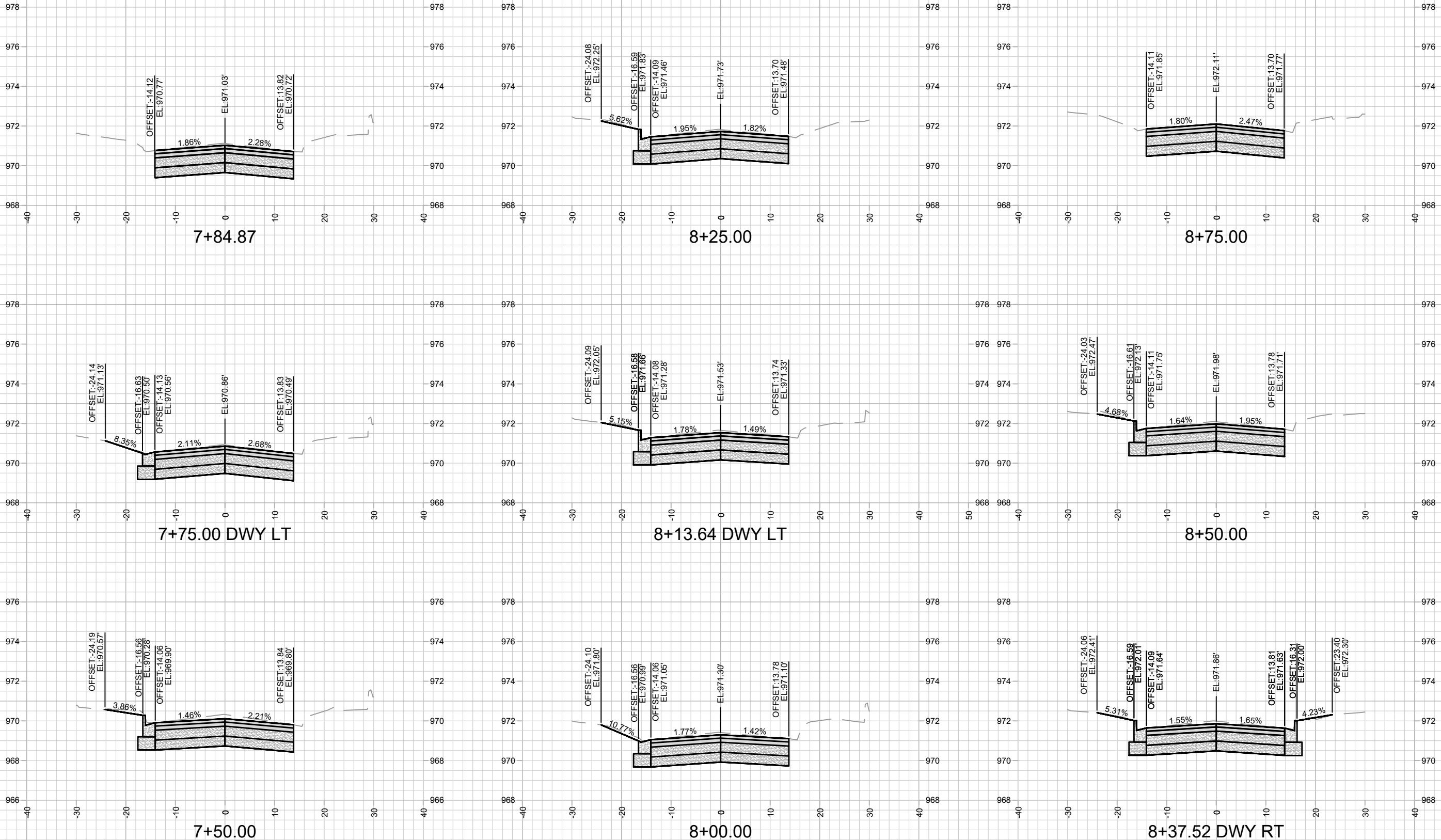
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MADISON, WI  
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CROSS SECTIONS  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
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X-2



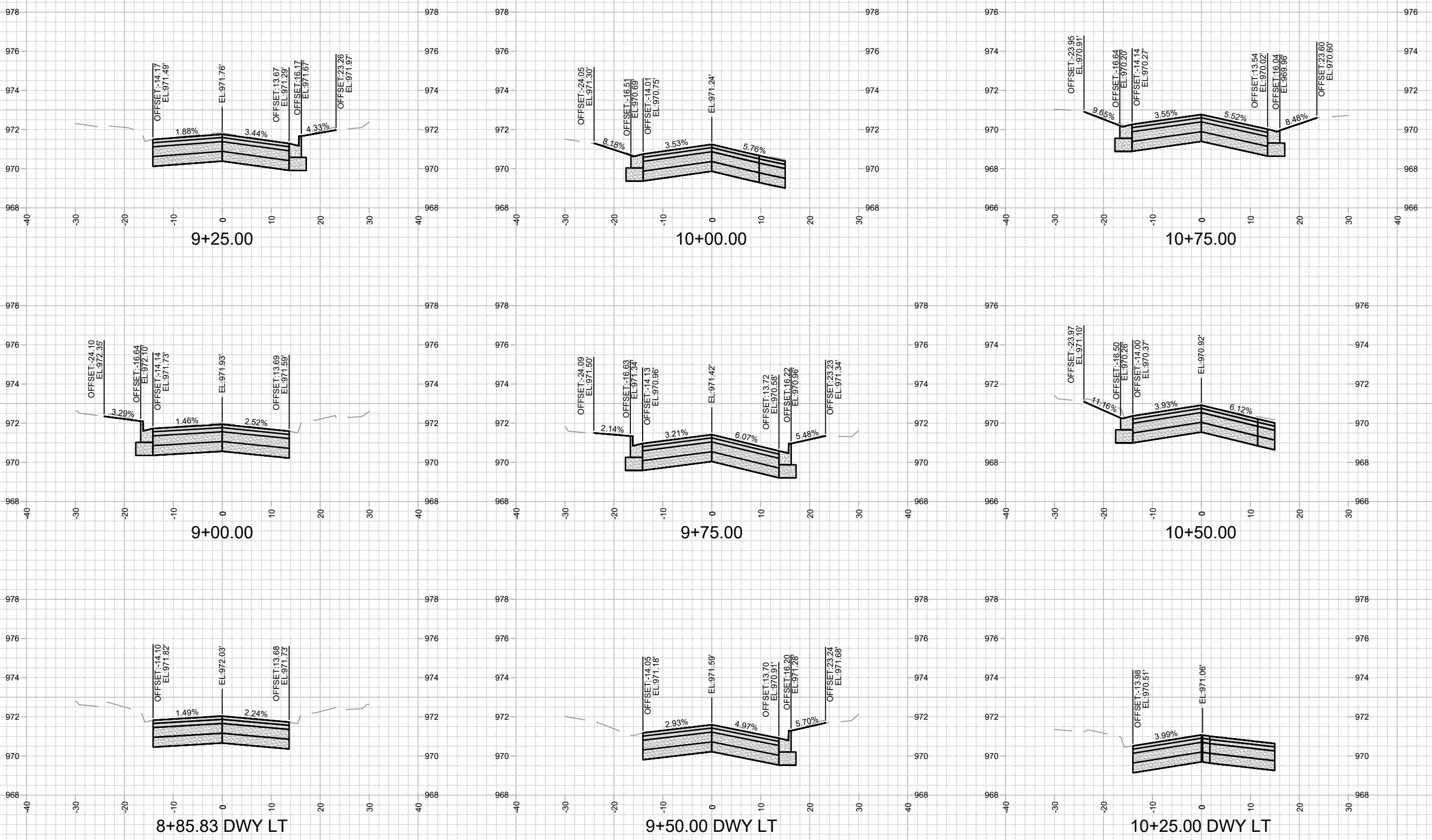
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 MADISON, WI  
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CROSS SECTIONS  
 STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
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 X-3

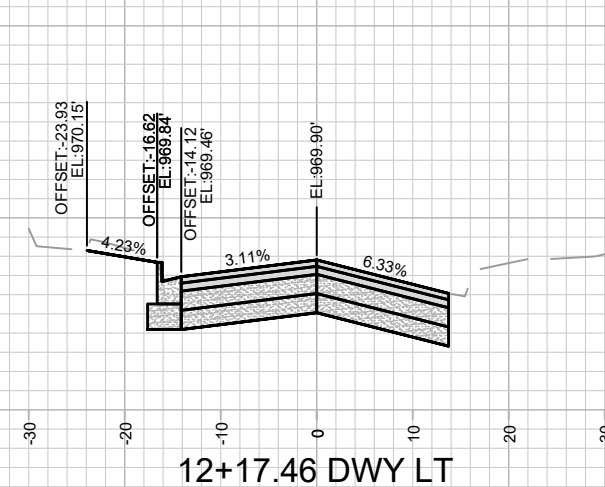
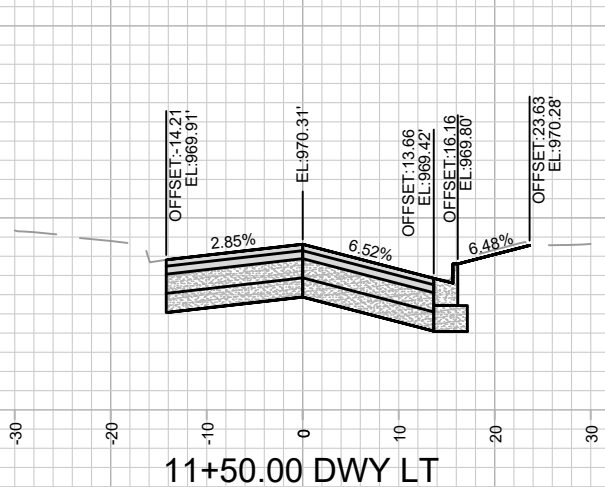
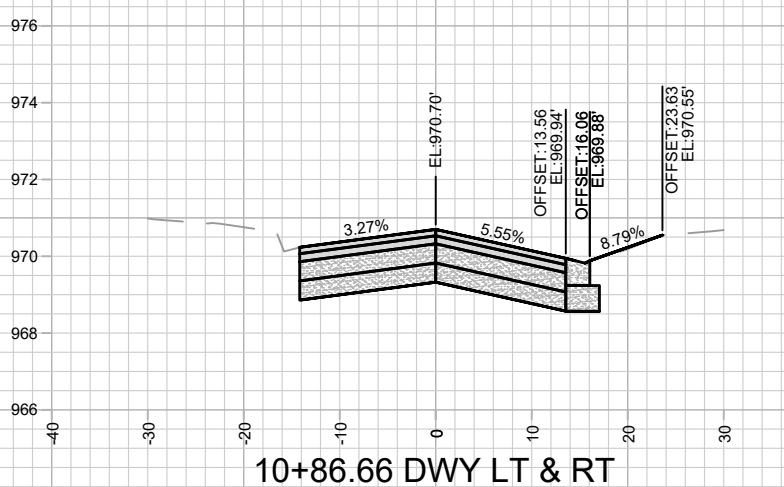
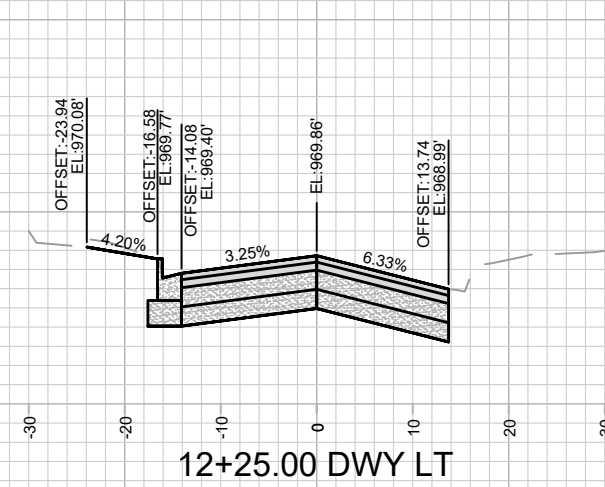
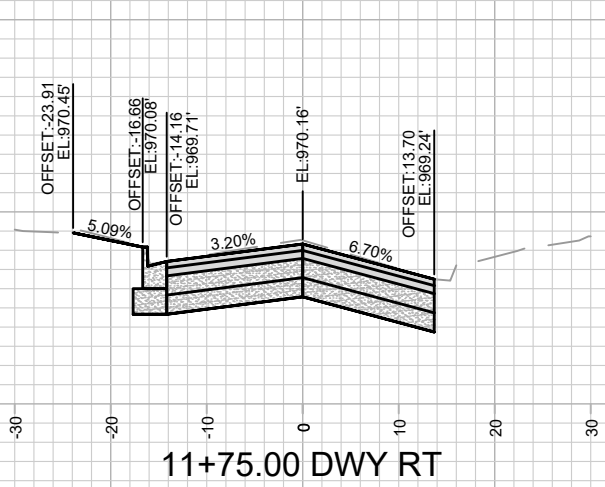
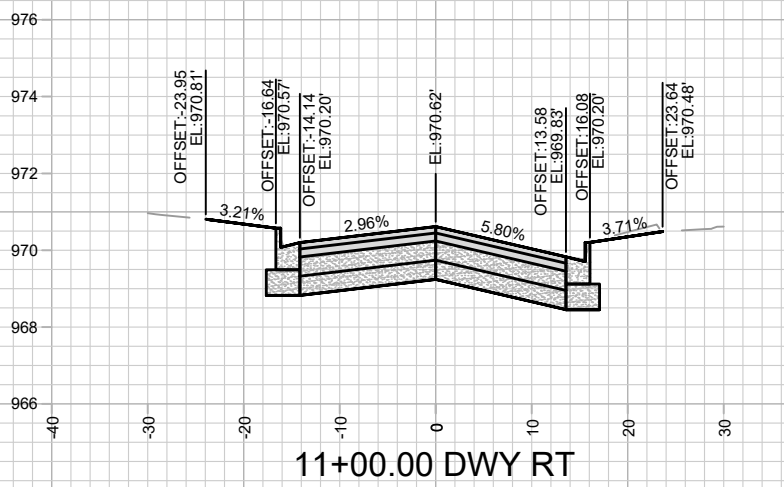
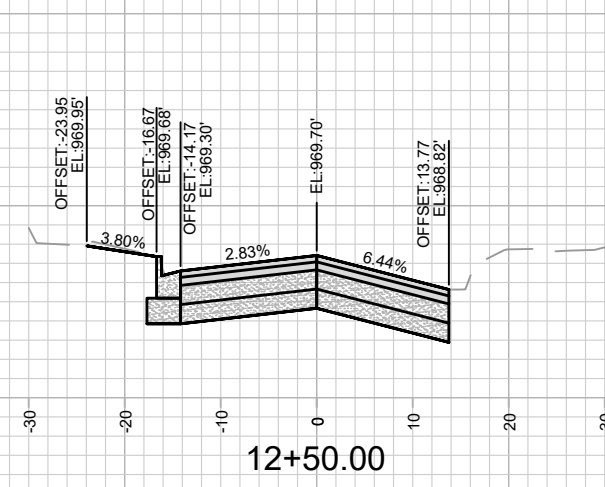
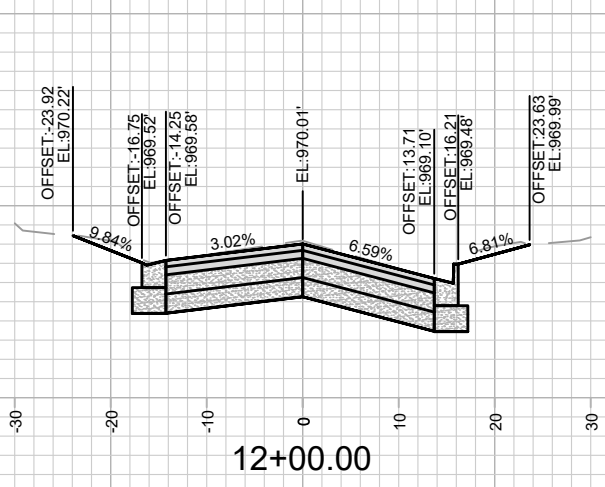
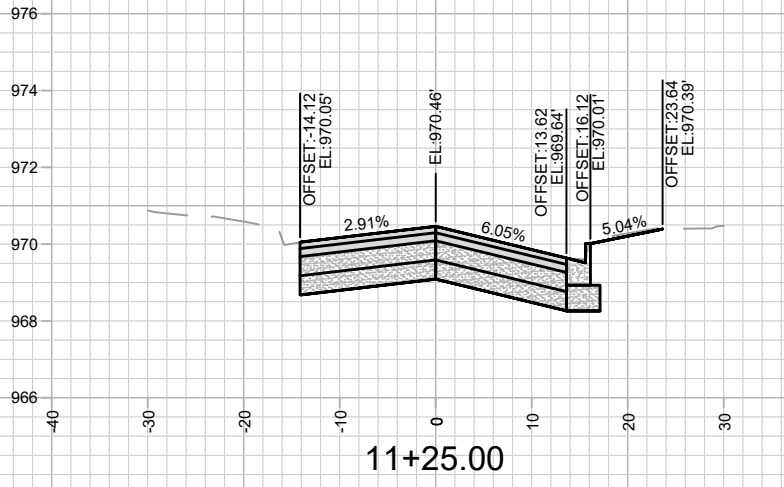


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 MADISON, WI  
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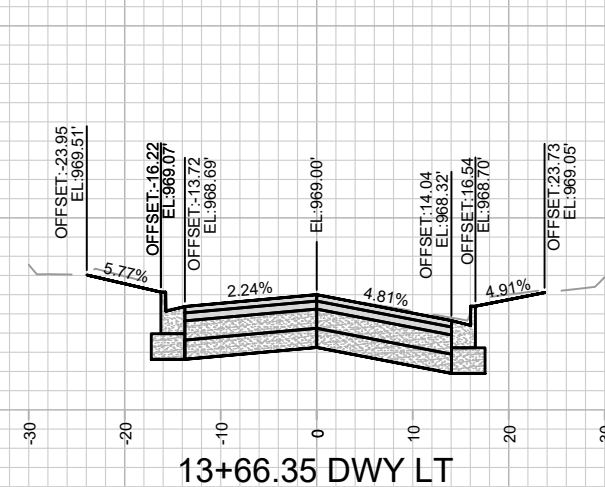
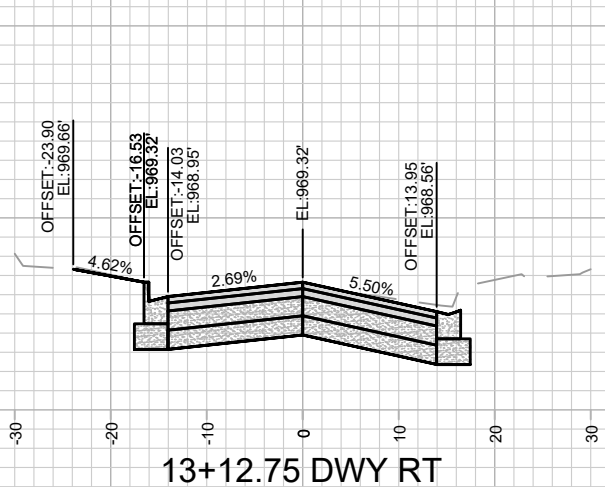
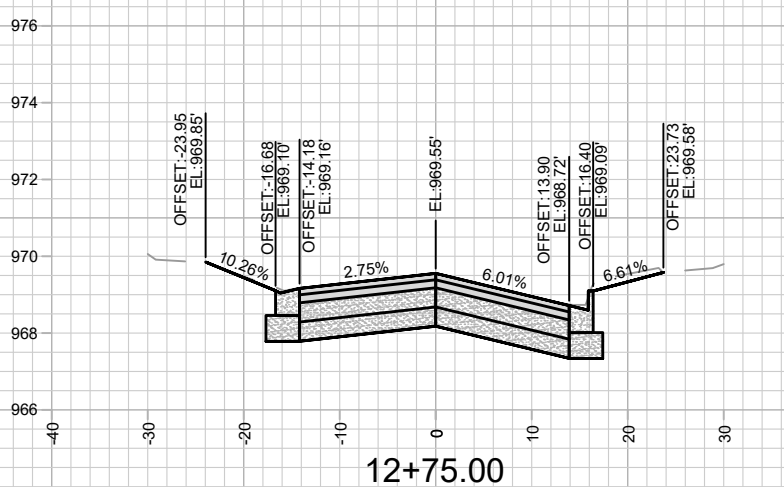
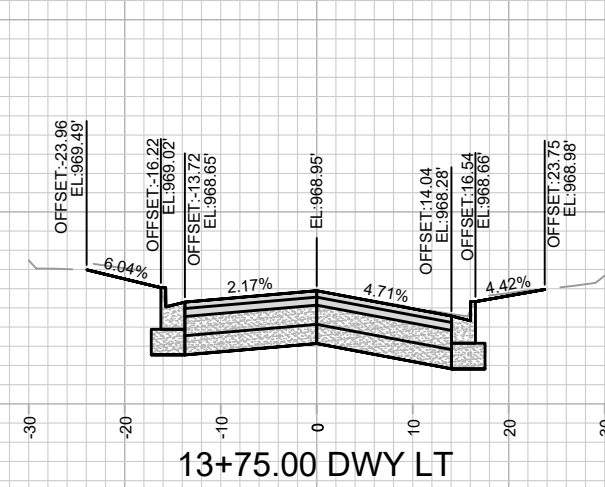
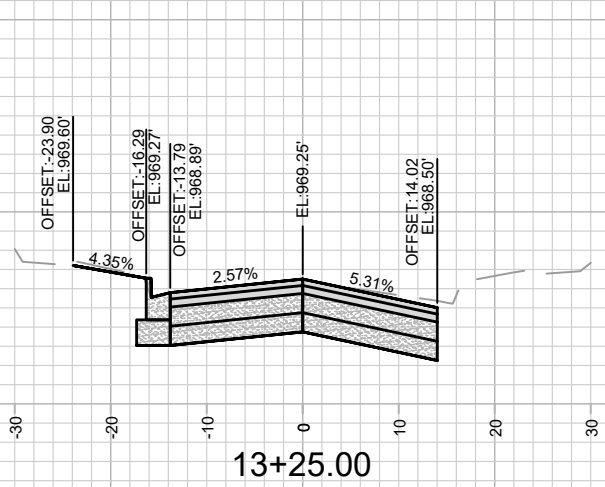
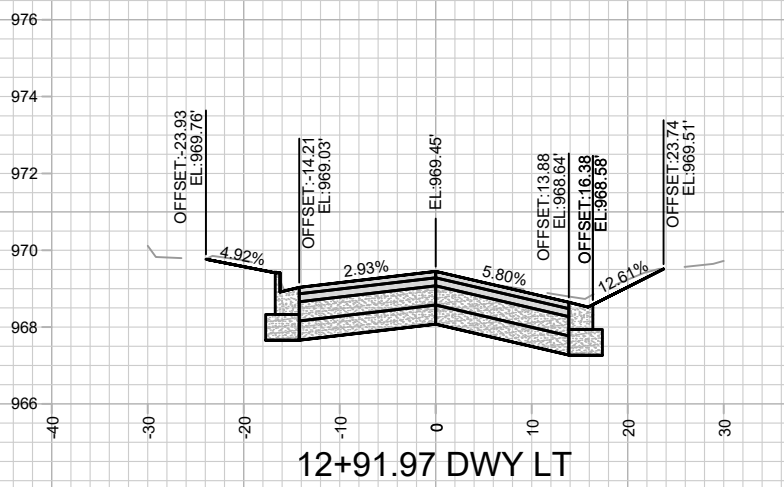
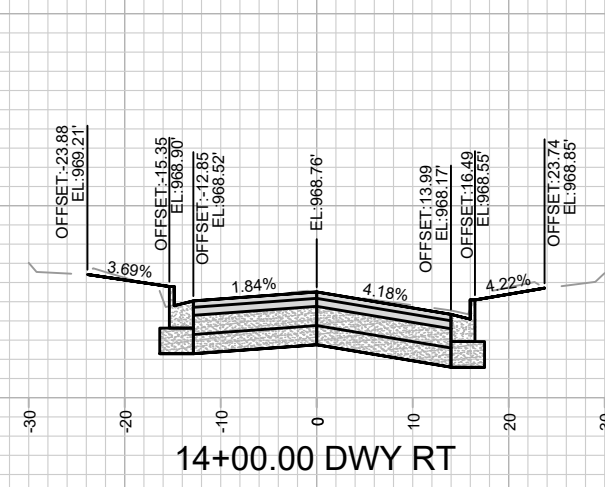
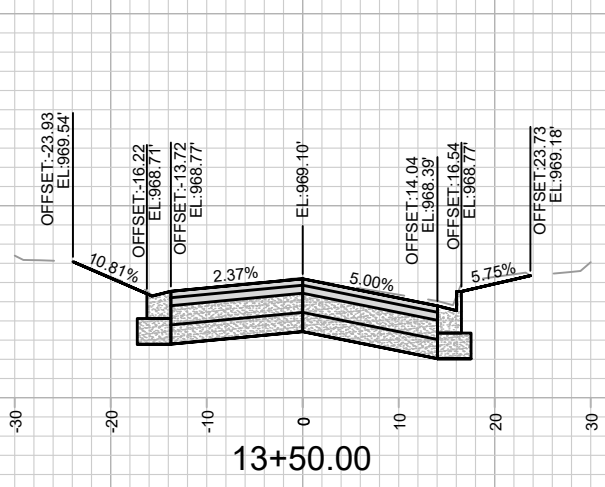
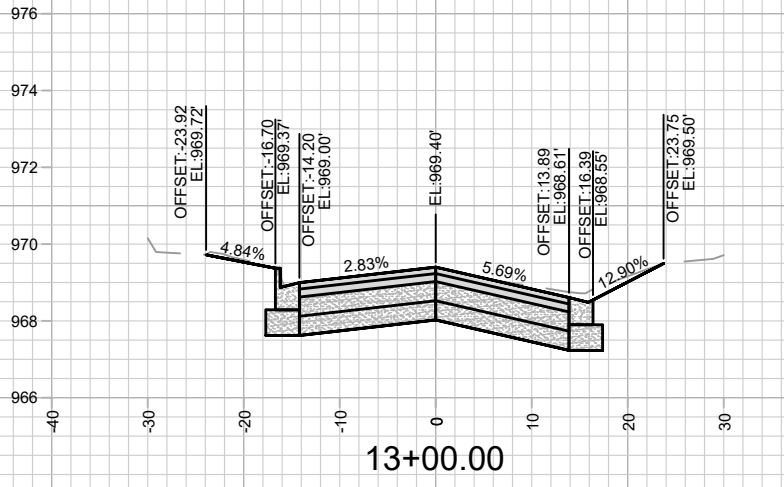


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MADISON, WI  
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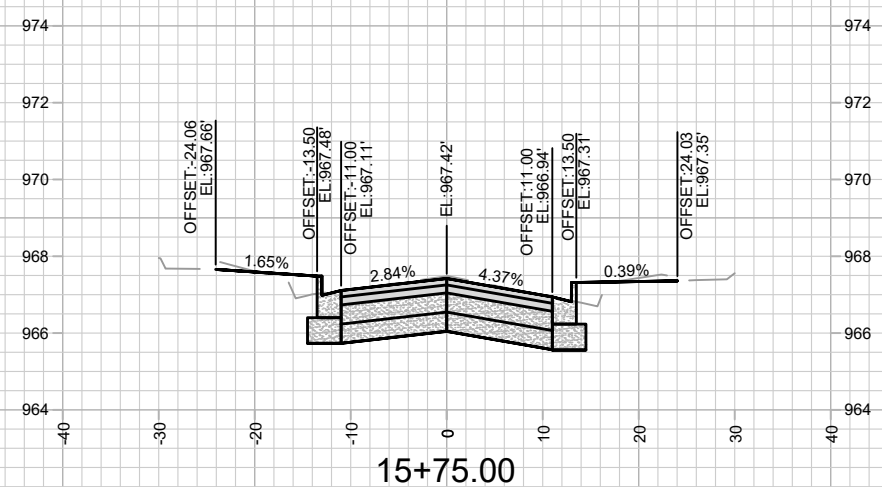
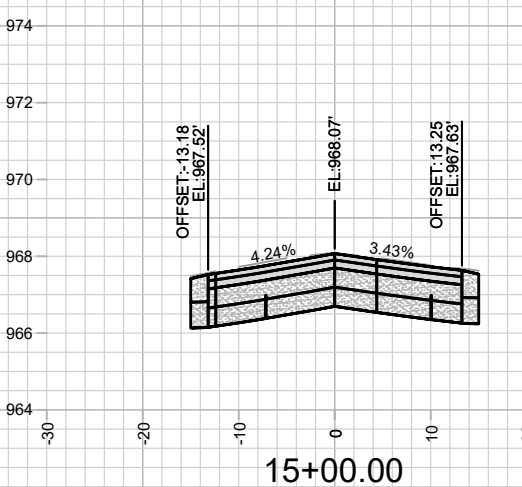
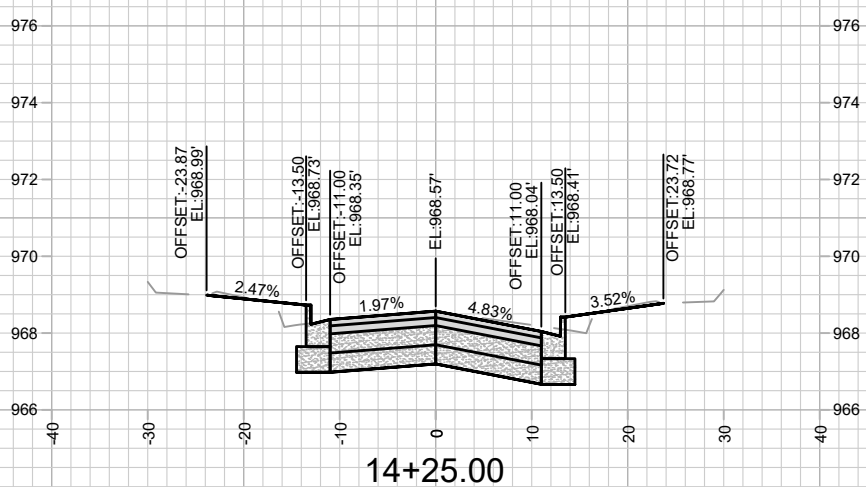
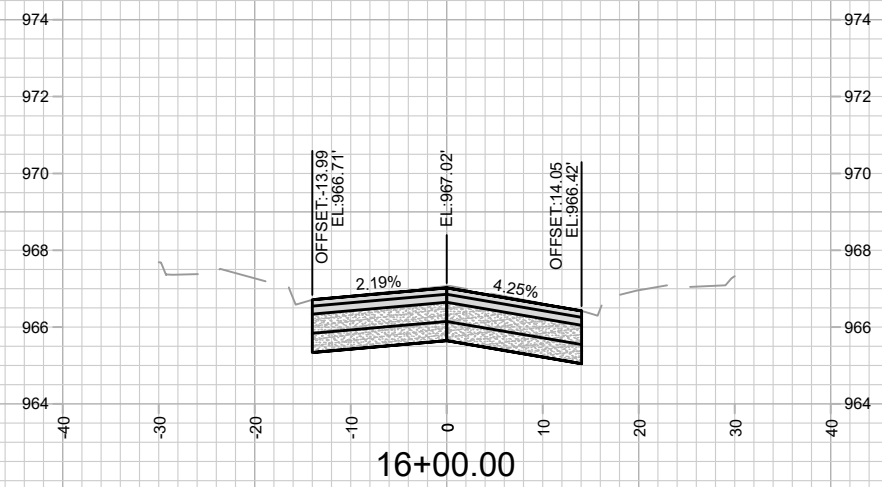
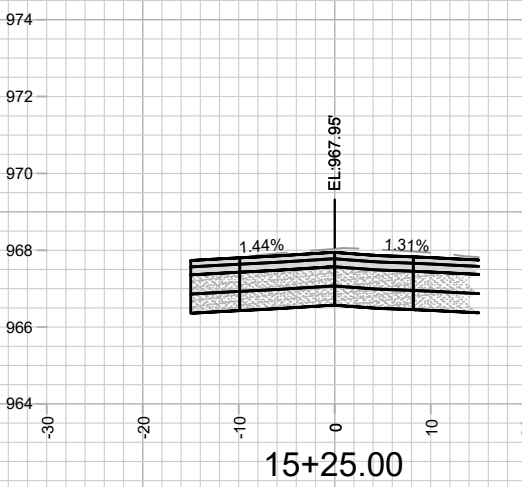
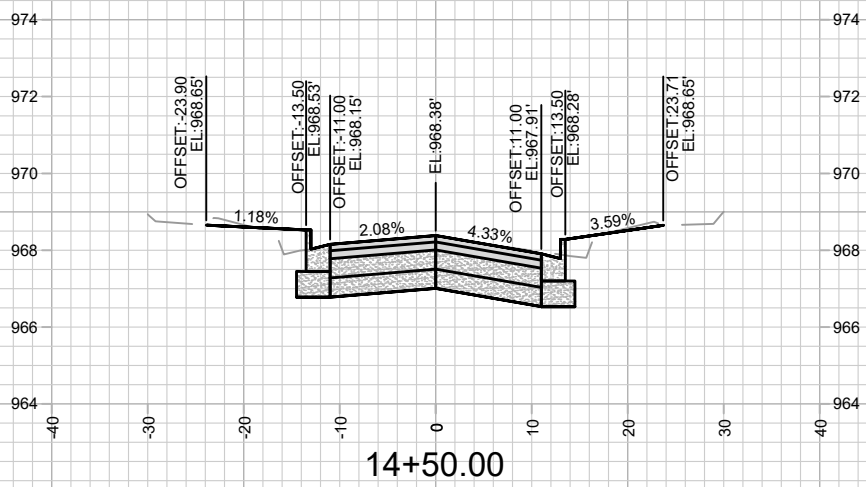
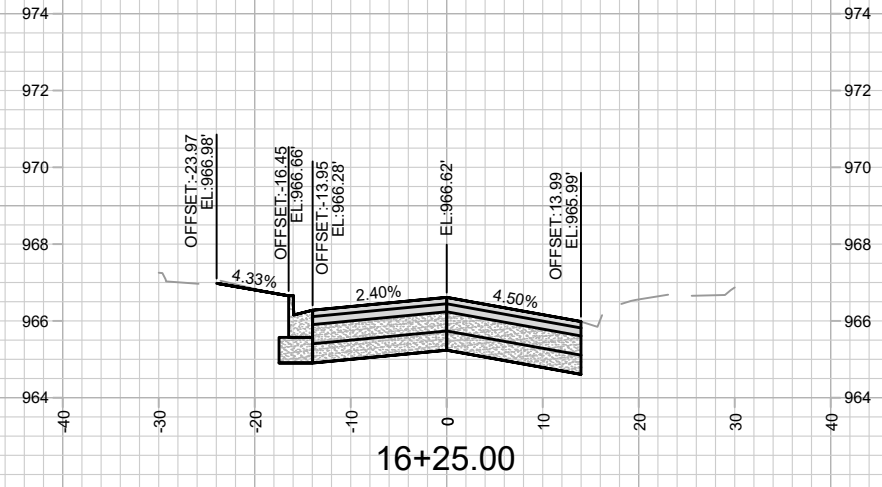
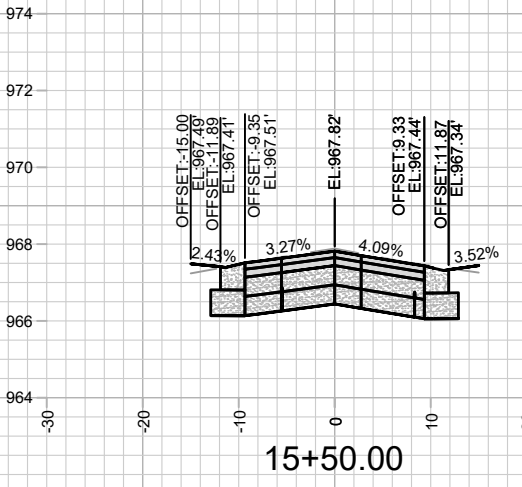
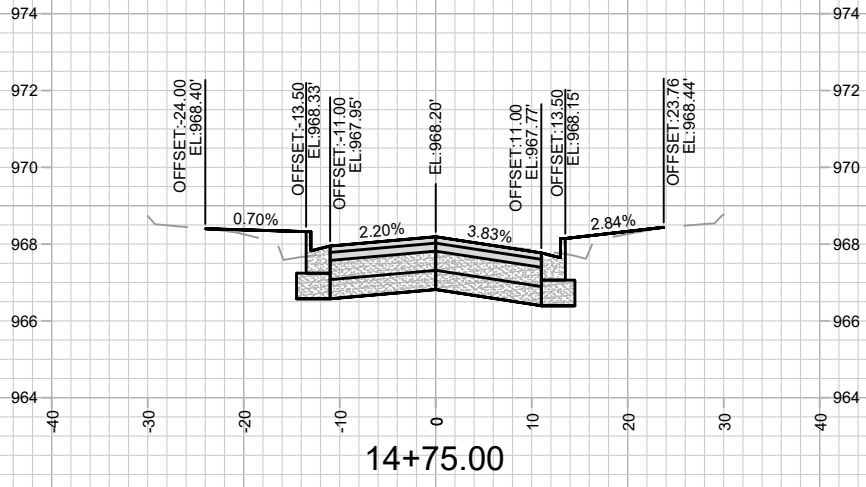


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CROSS SECTIONS  
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14780  
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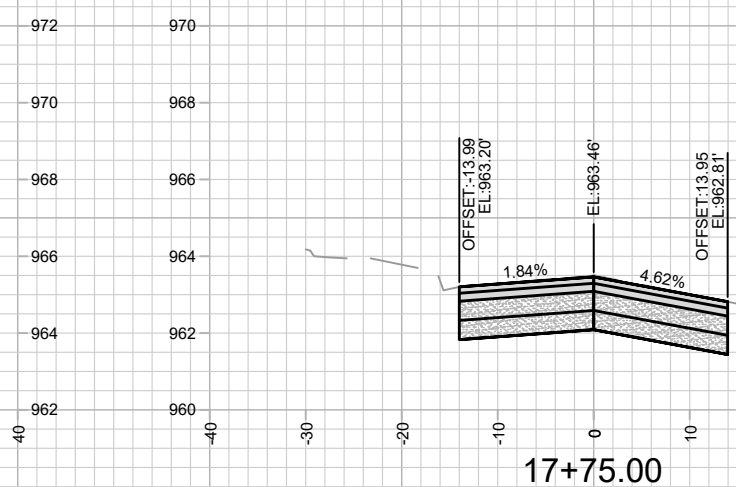
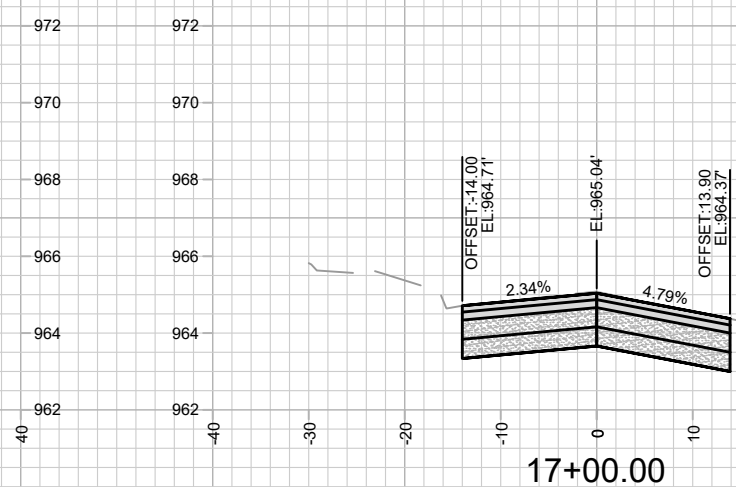
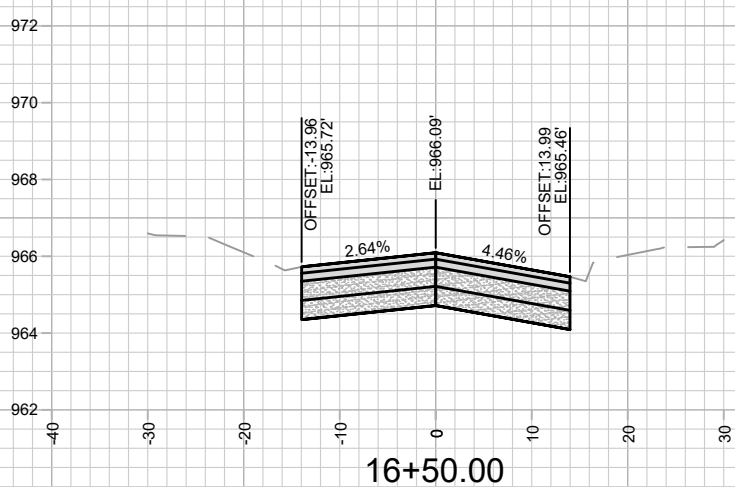
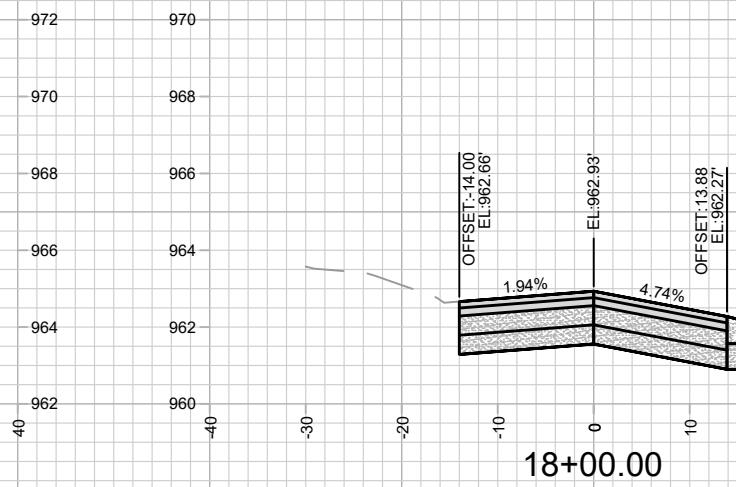
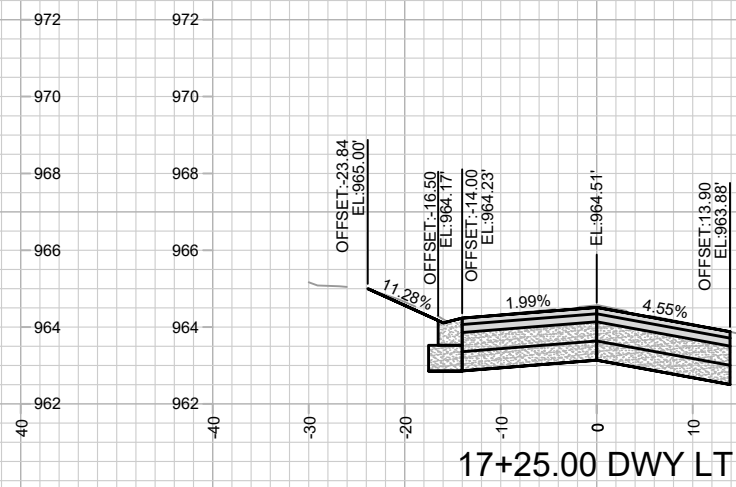
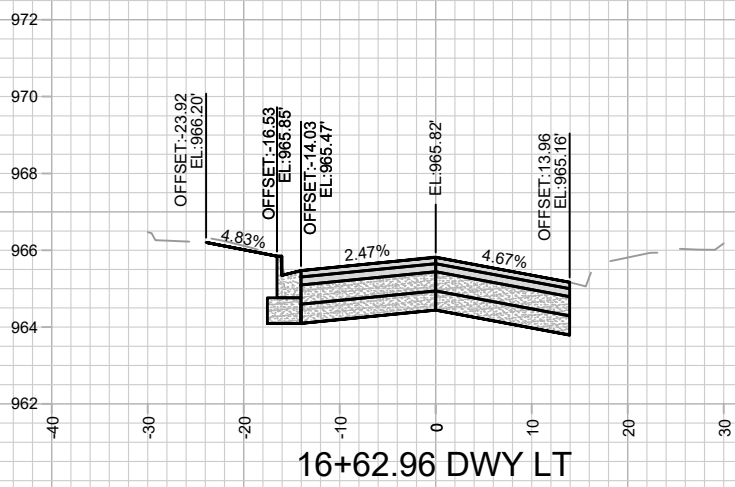
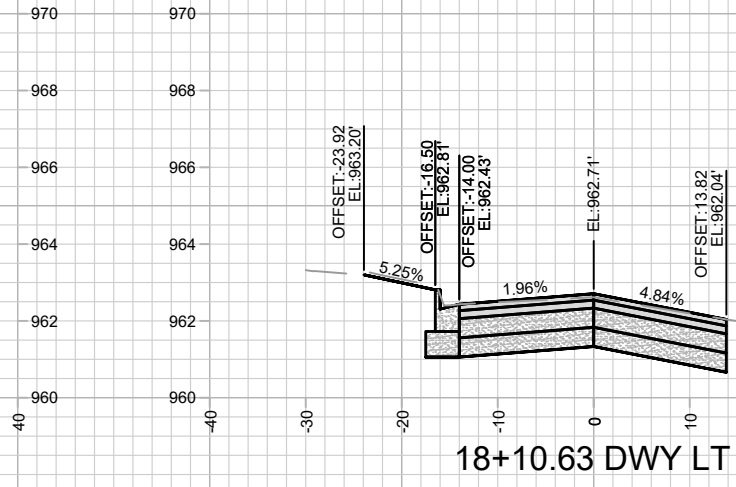
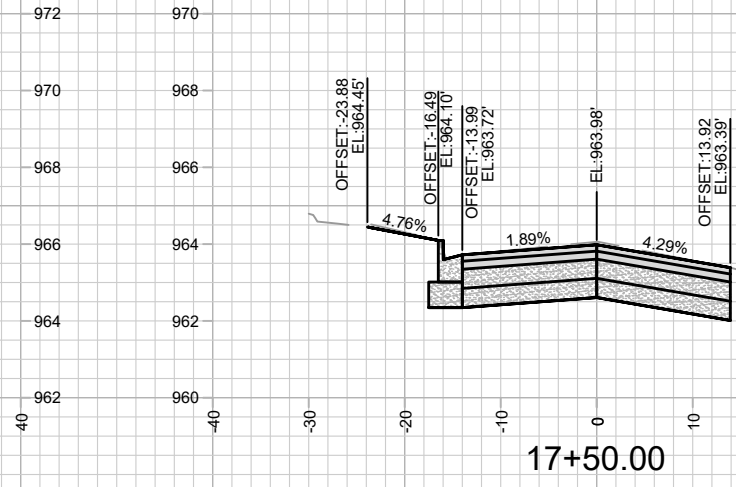
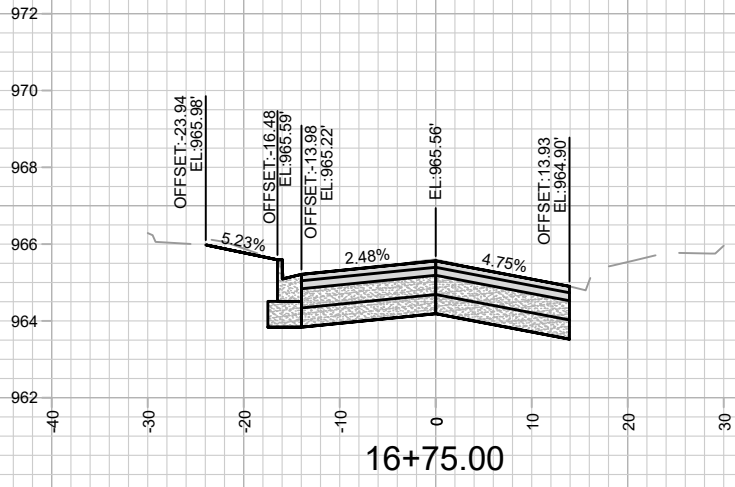
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MADISON, WI  
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CROSS SECTIONS  
STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
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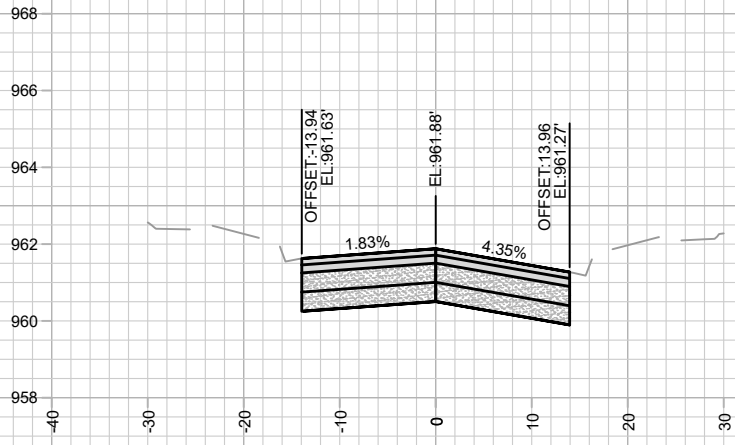
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MADISON, WI  
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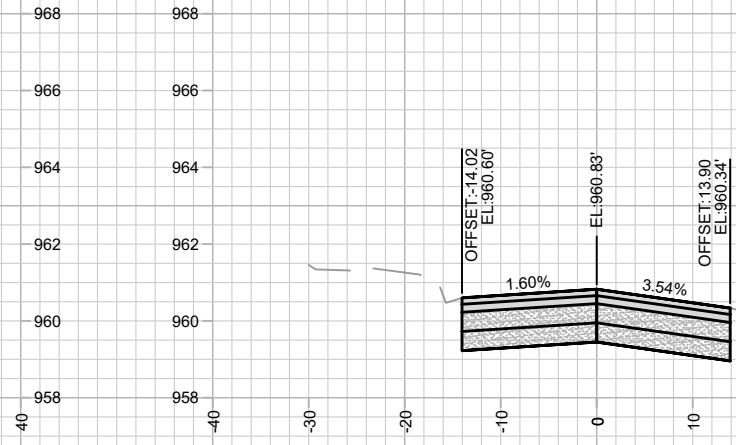
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STARKER AVENUE RESURFACING ASSESSMENT DISTRICT - 2024  
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X-8

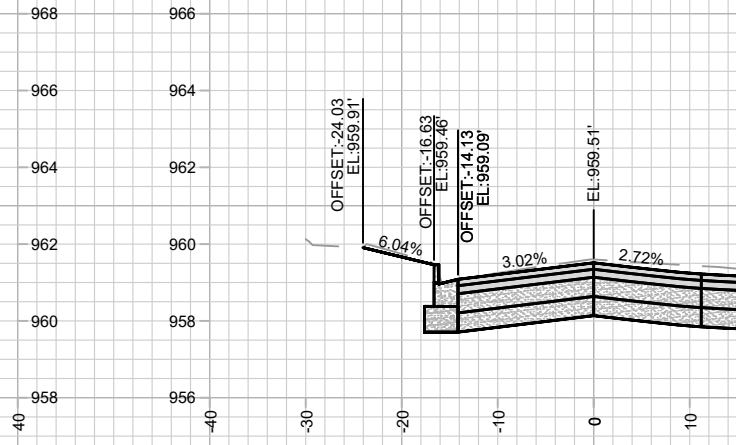




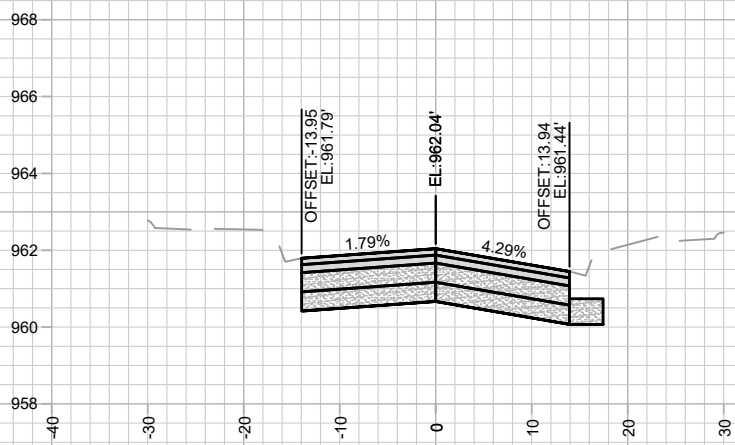
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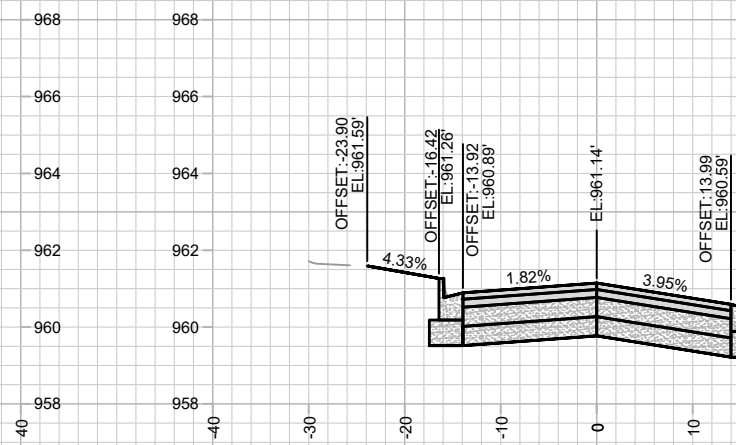
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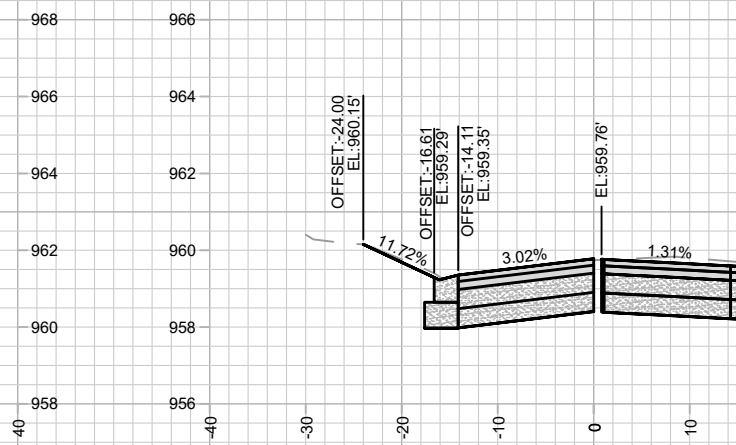
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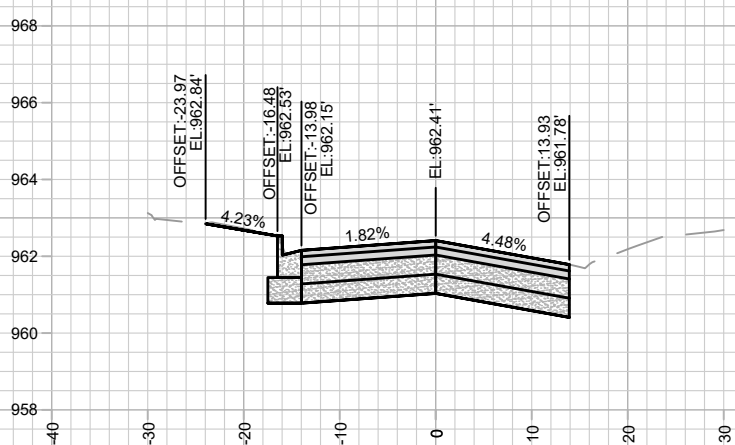
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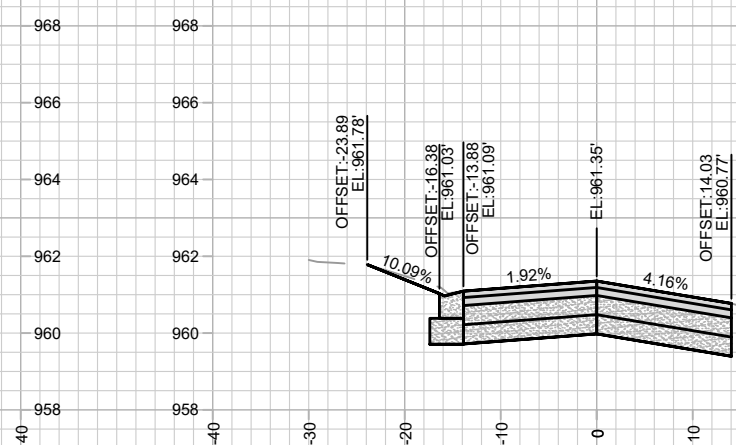
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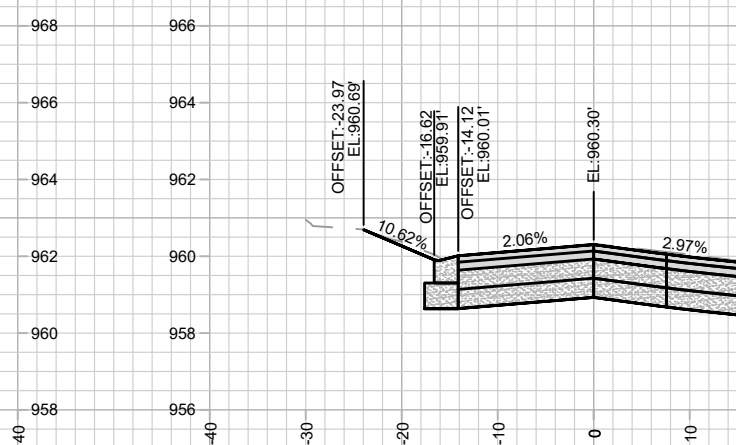
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18+25.00



18+75.00



19+25.00

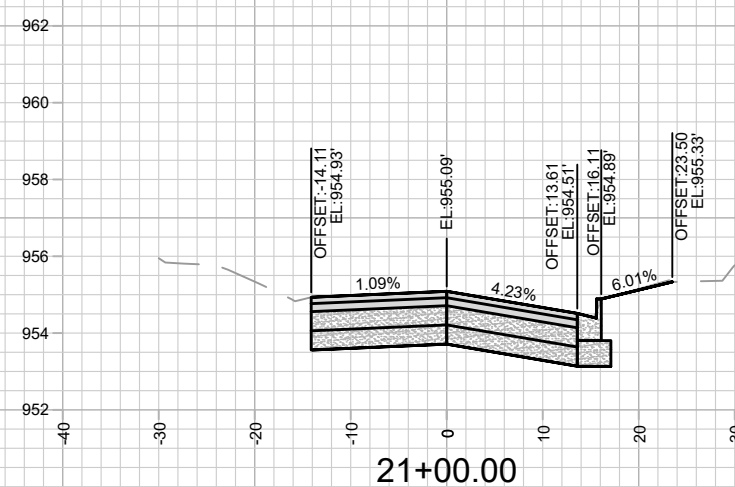
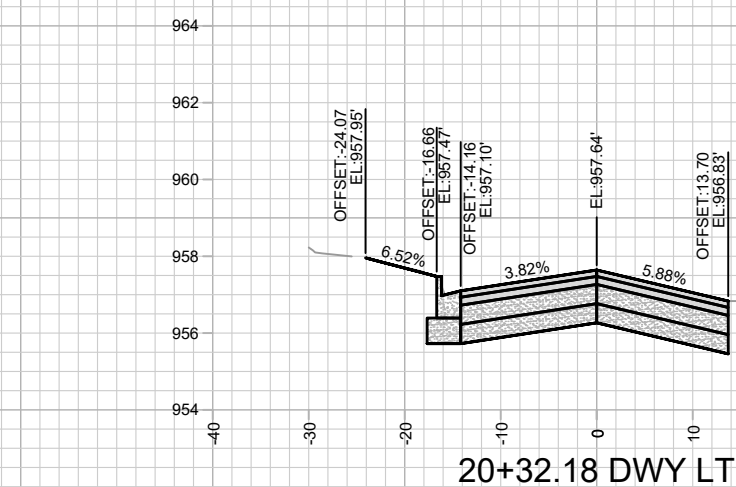
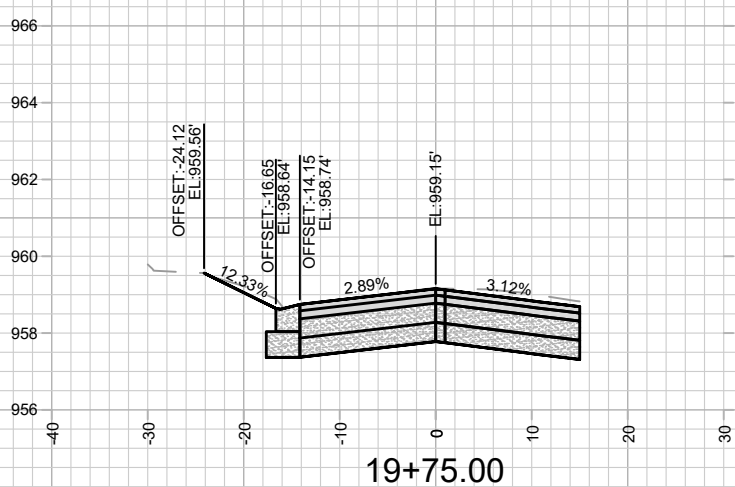
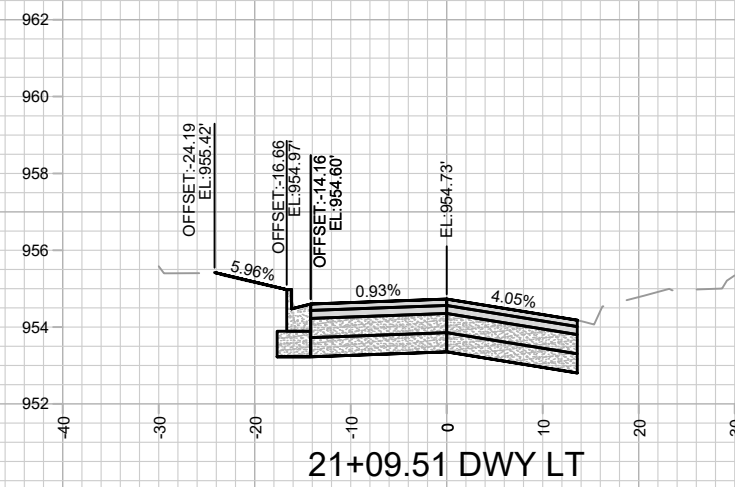
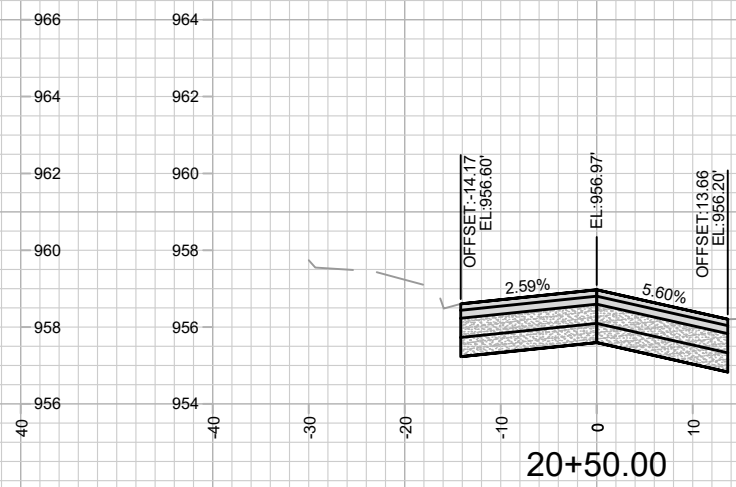
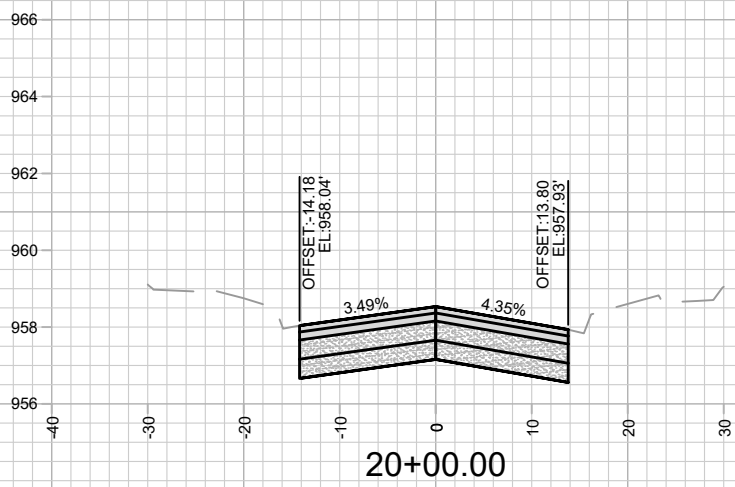
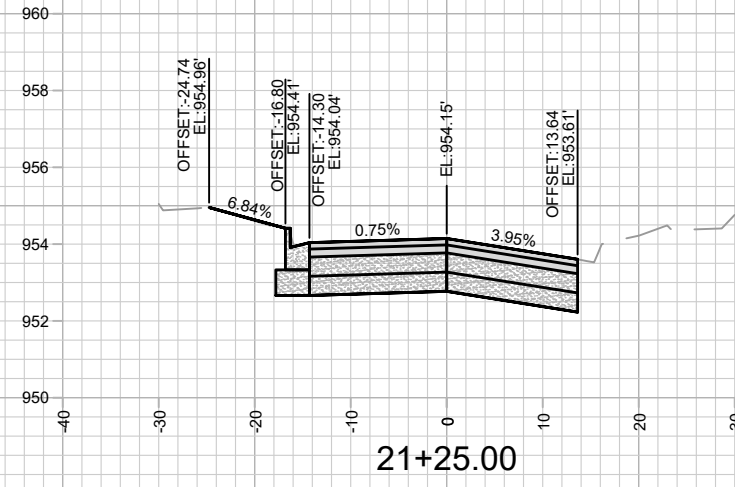
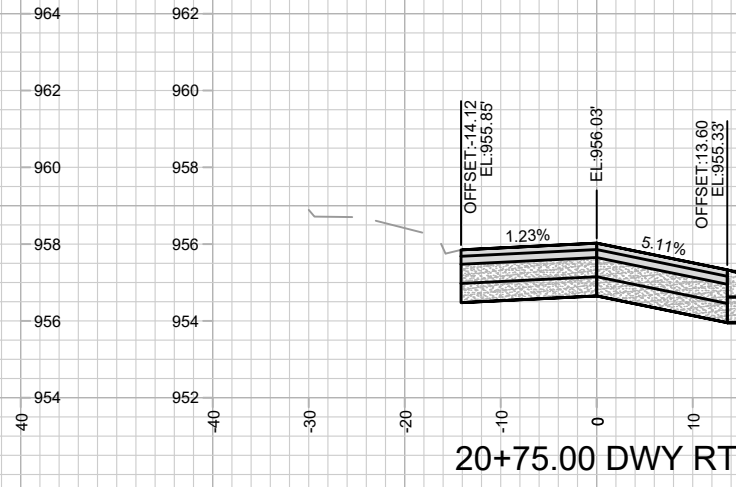
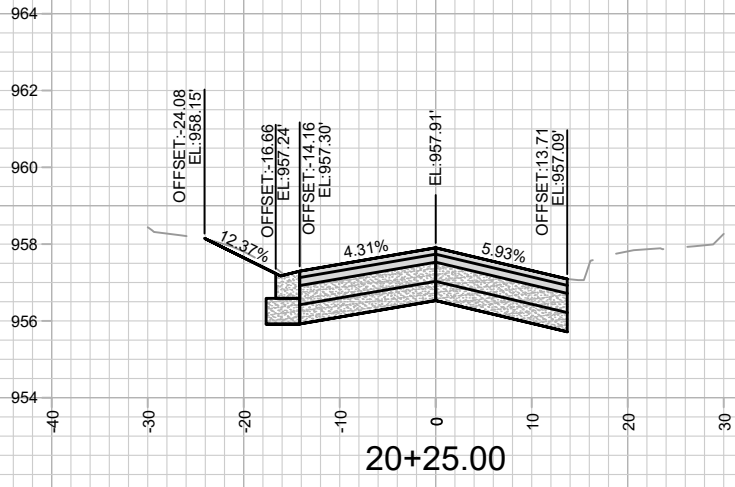
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 MADISON, WI  
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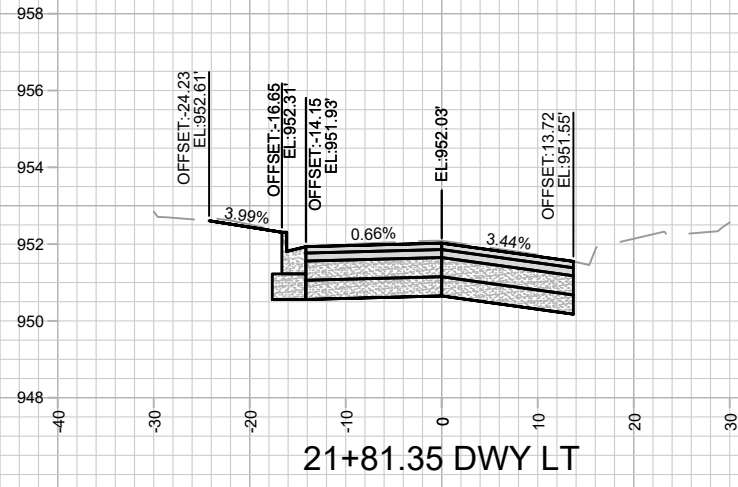
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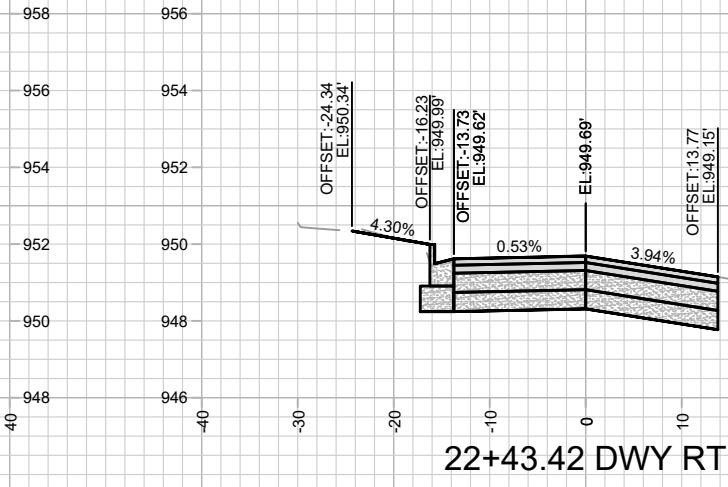
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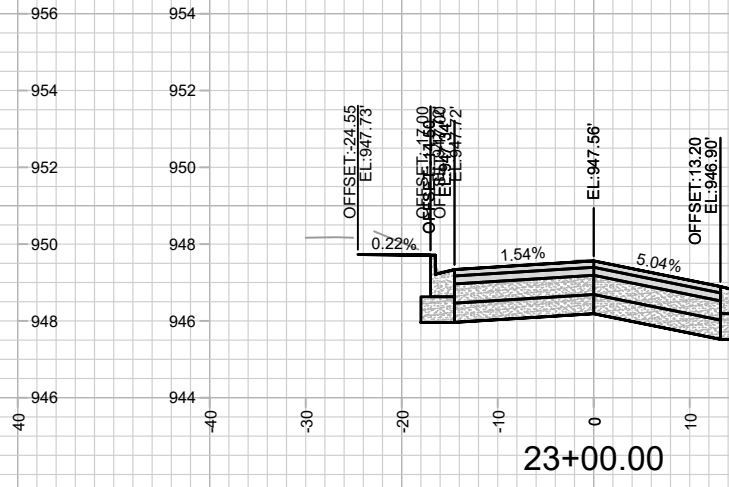
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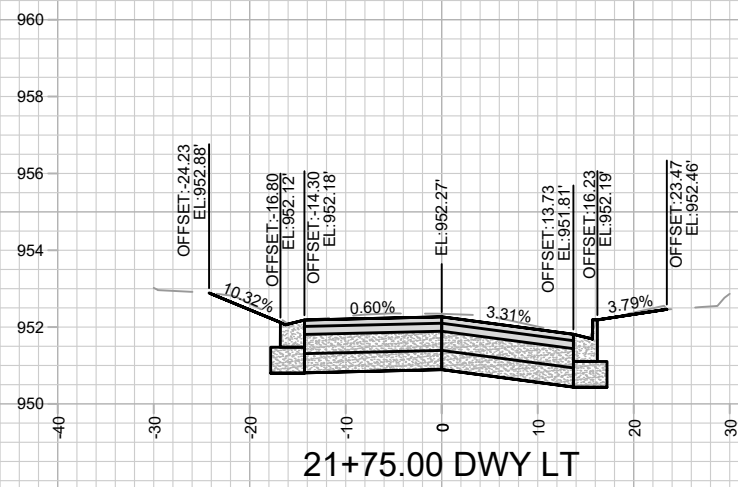
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22+43.42 DWY RT



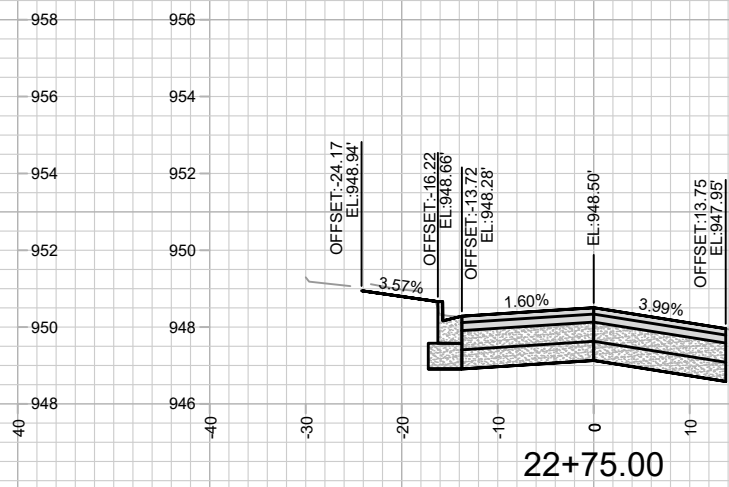
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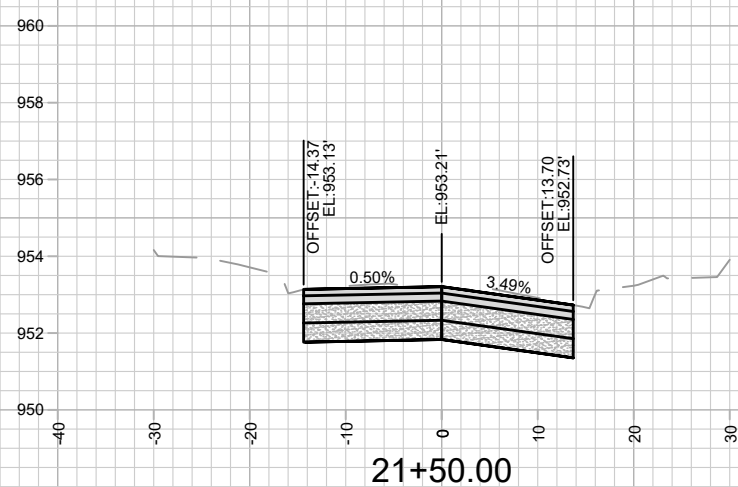
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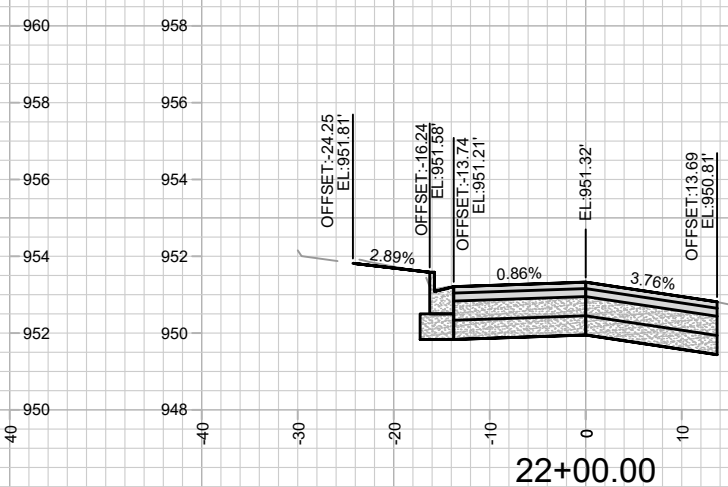
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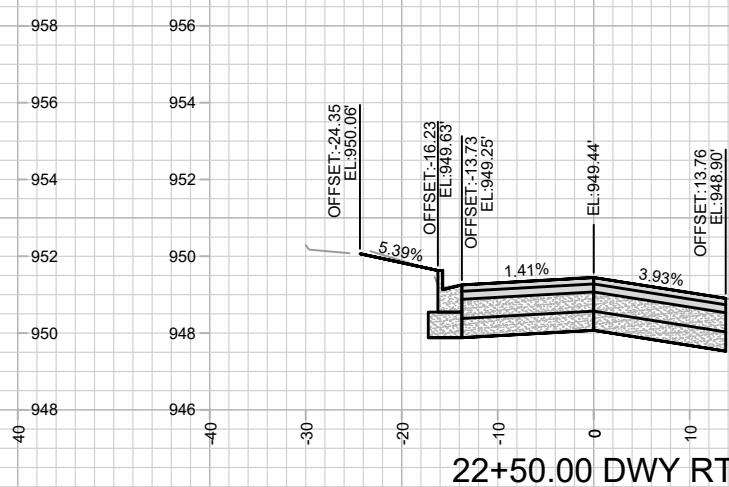
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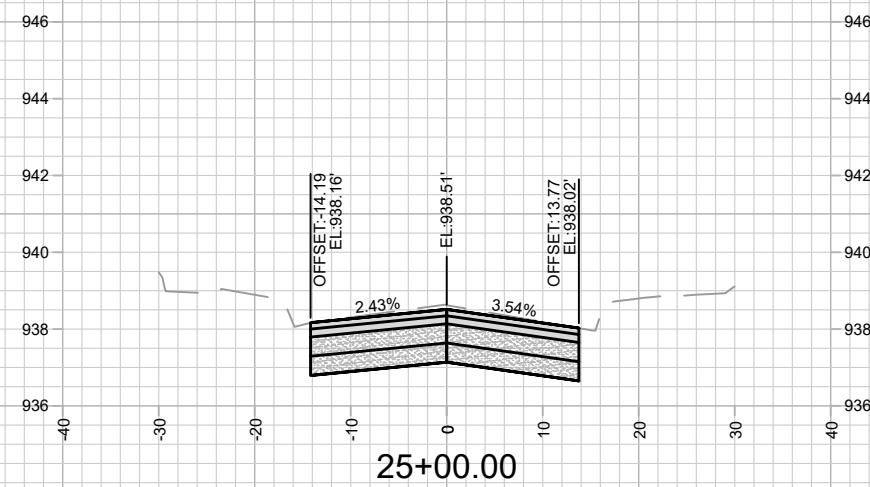
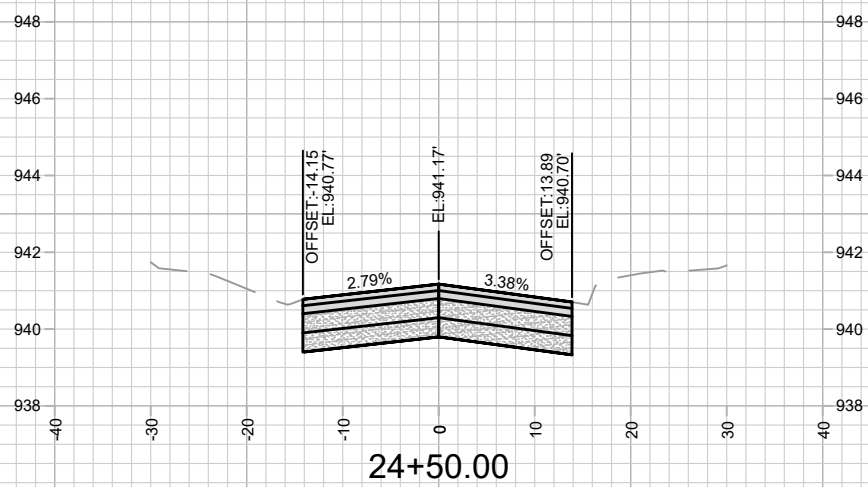
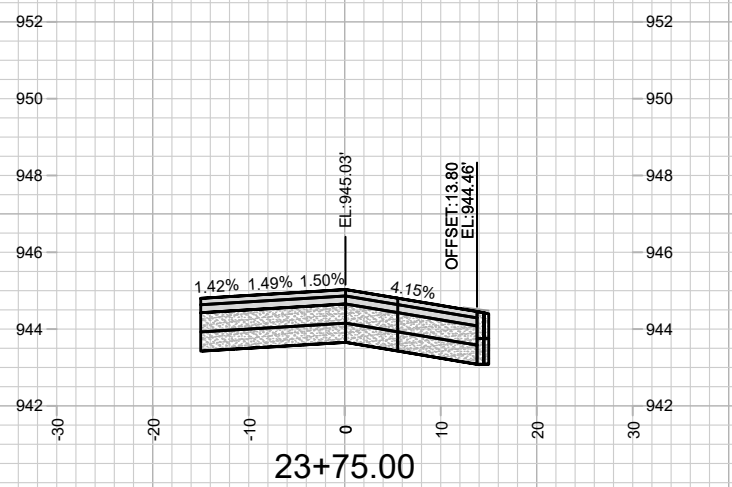
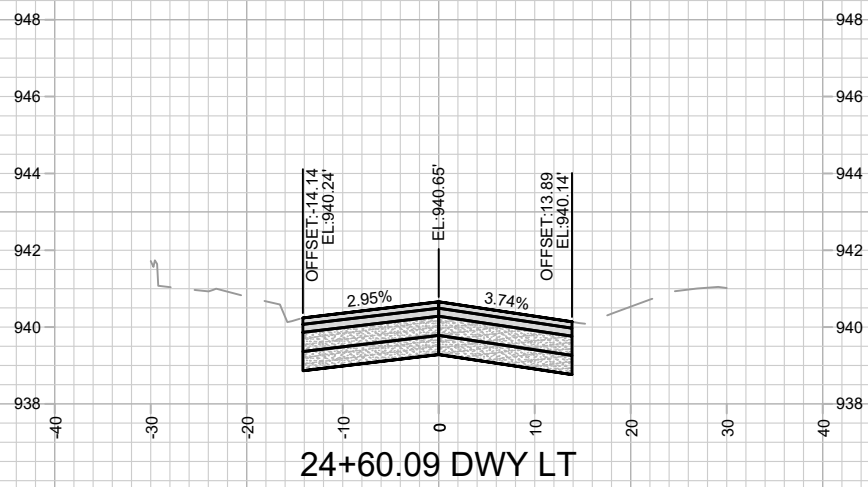
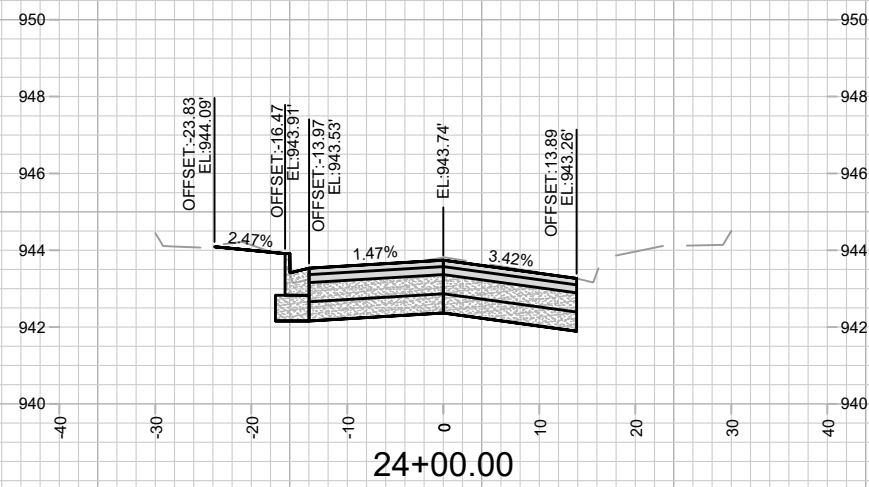
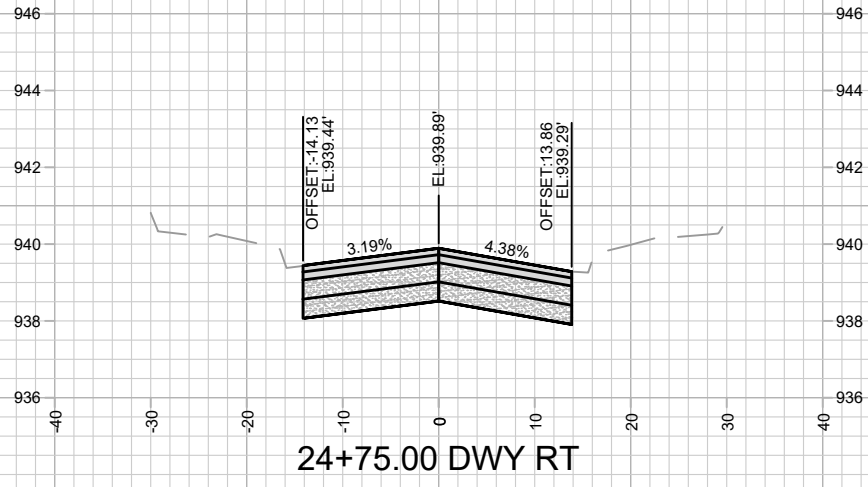
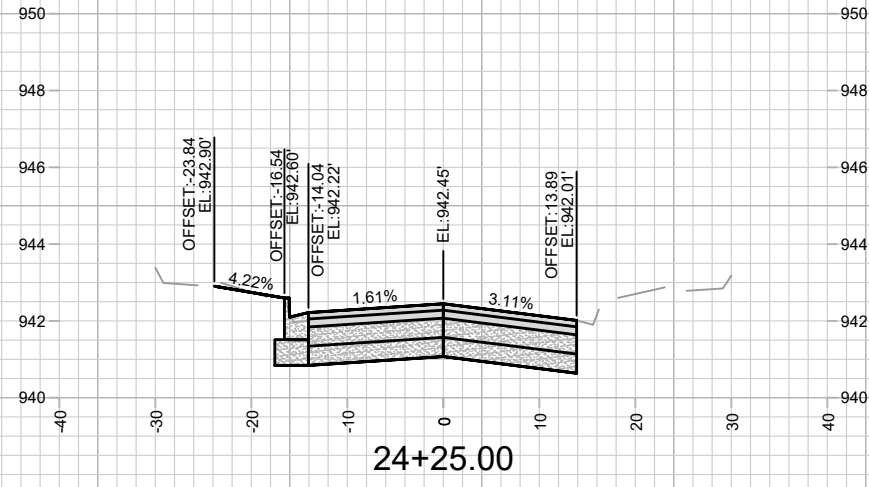
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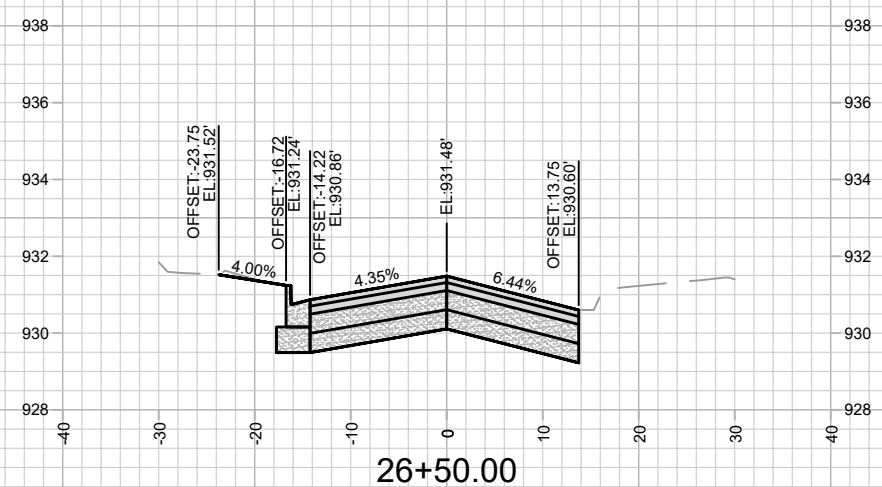
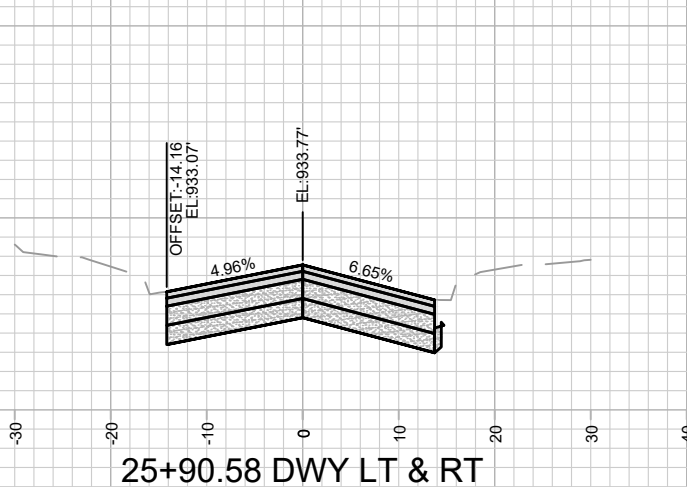
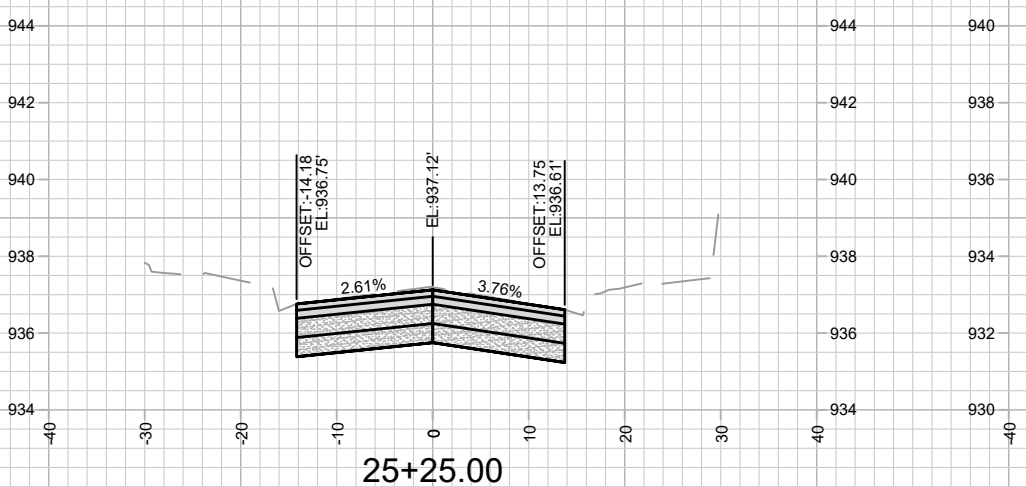
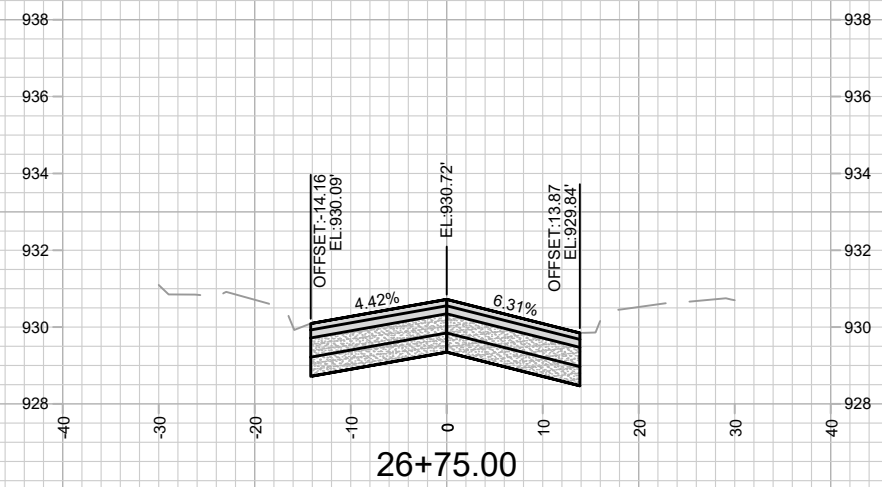
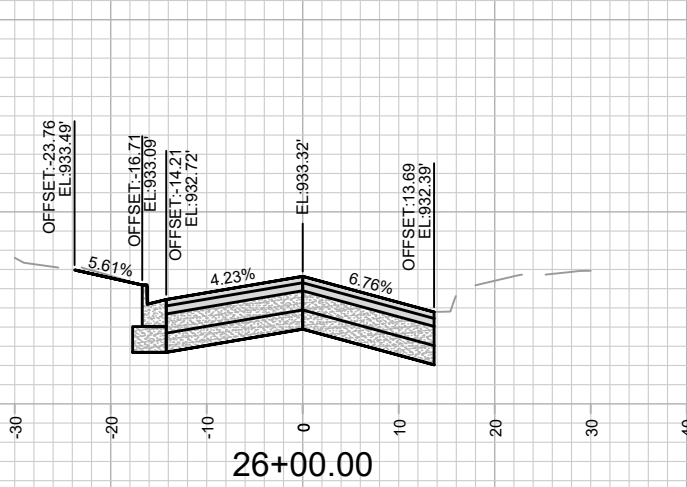
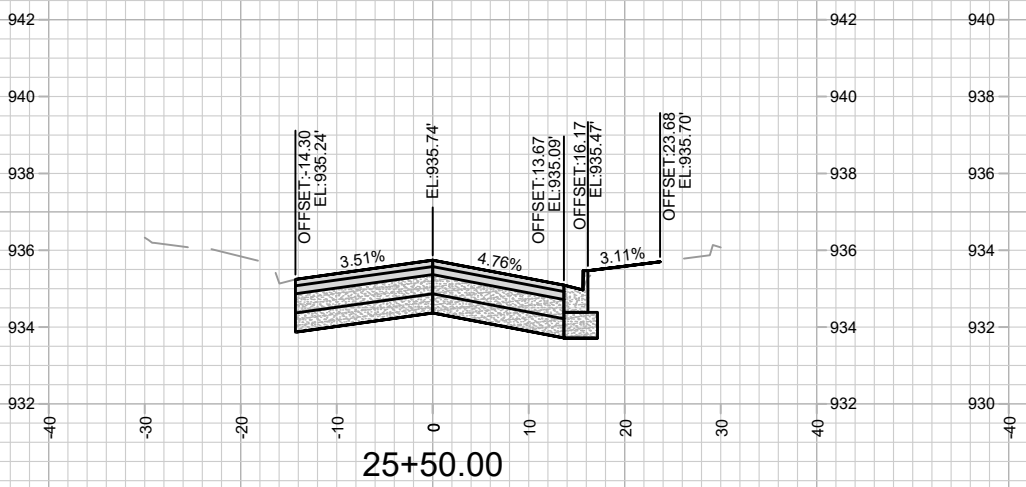
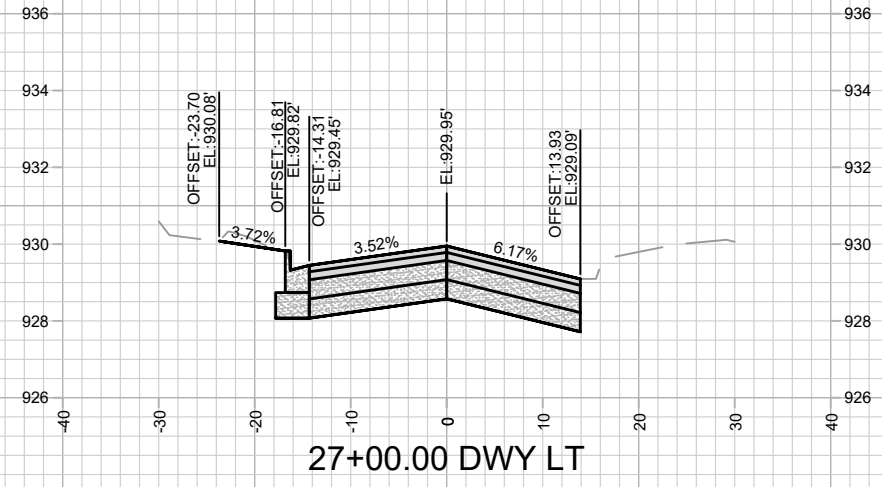
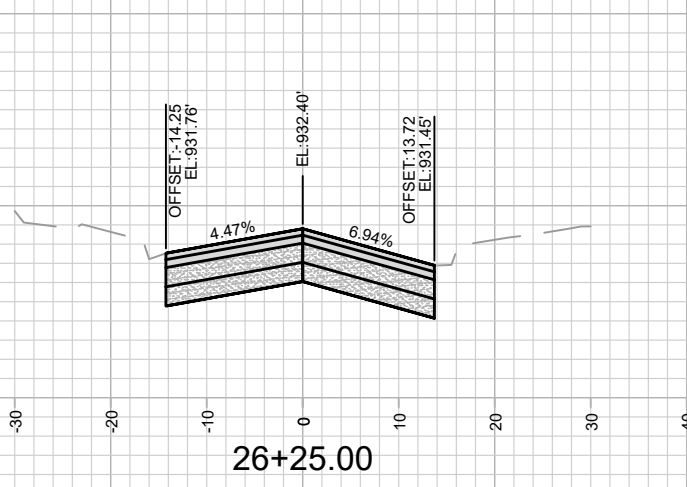
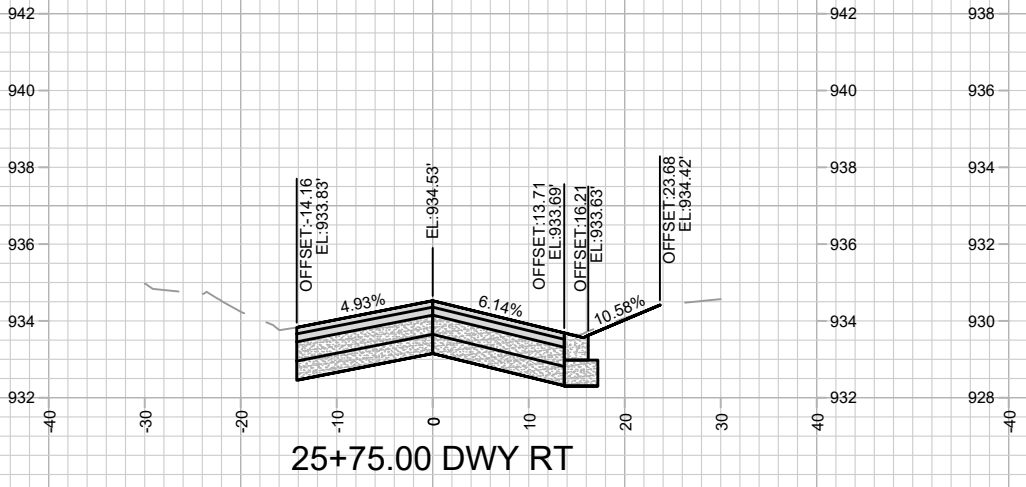
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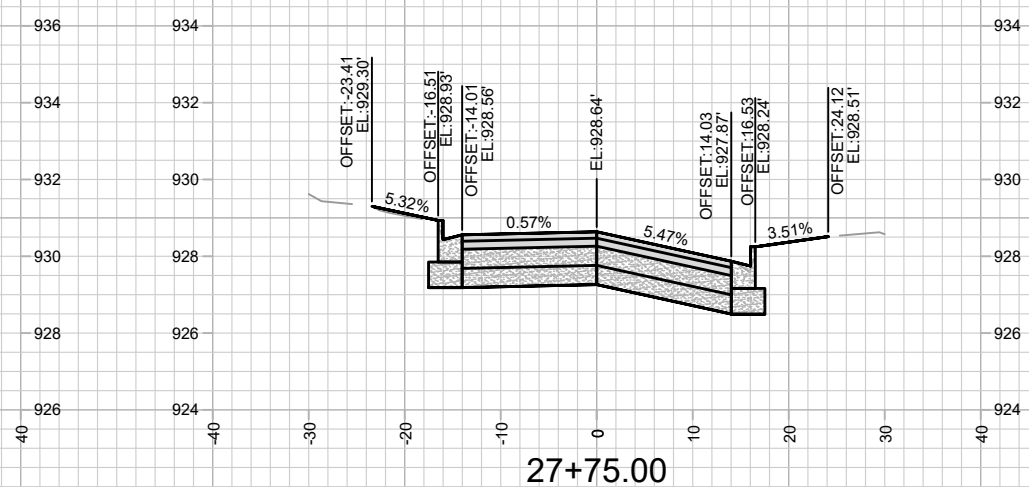
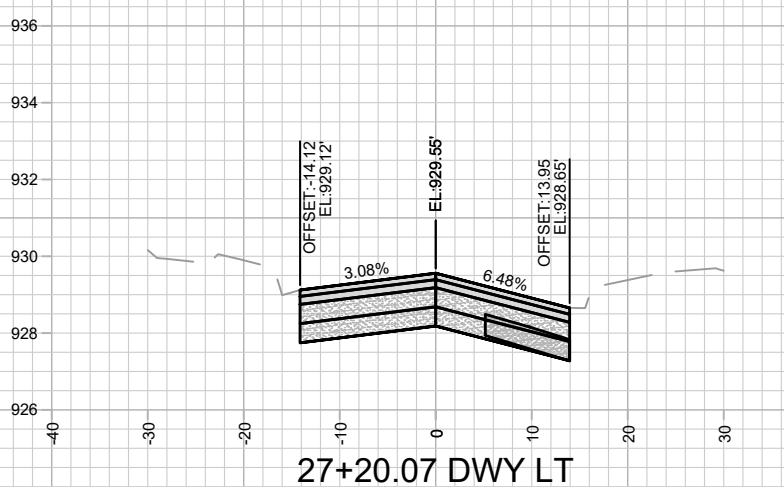
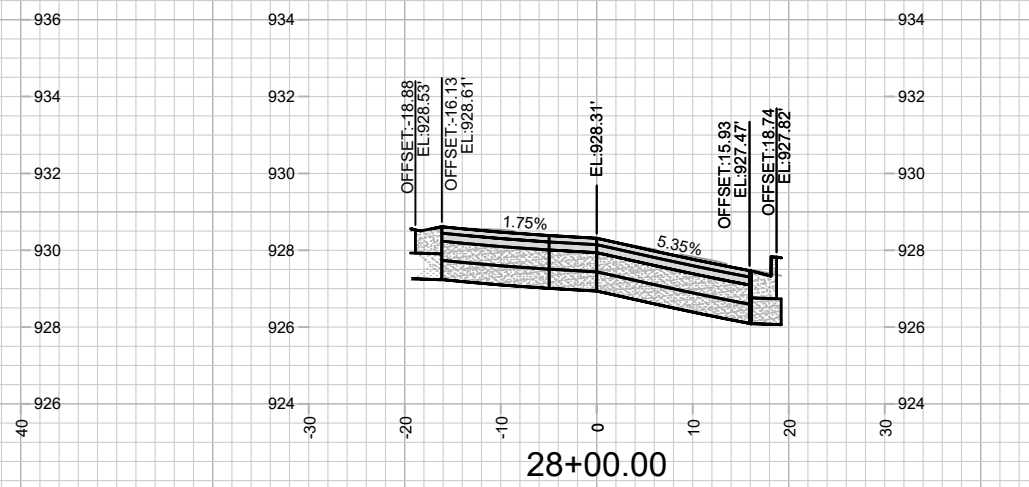
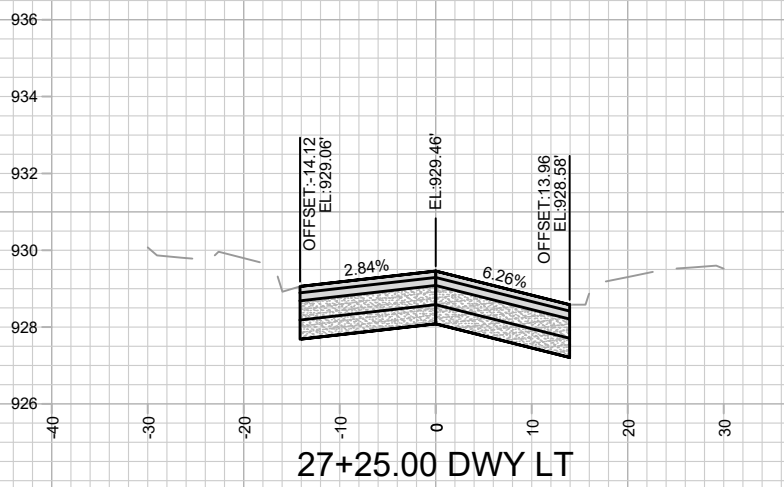
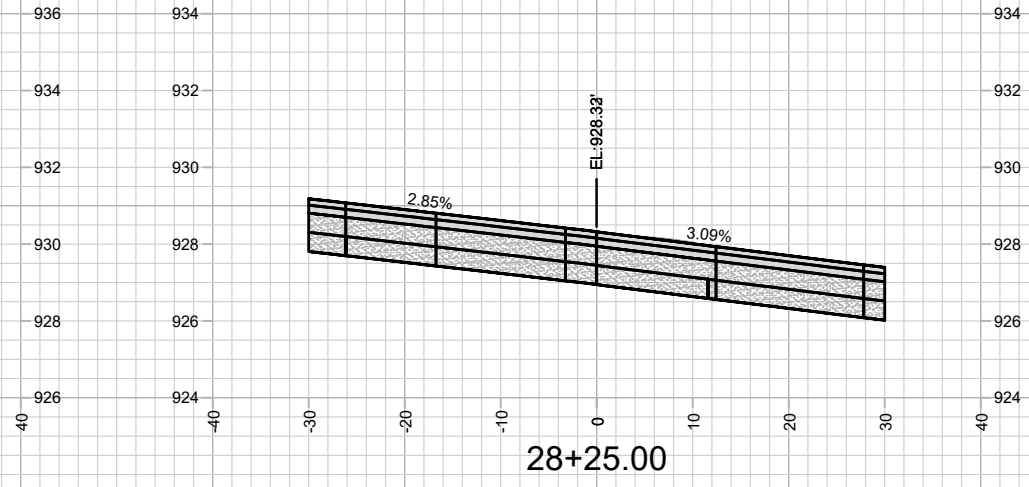
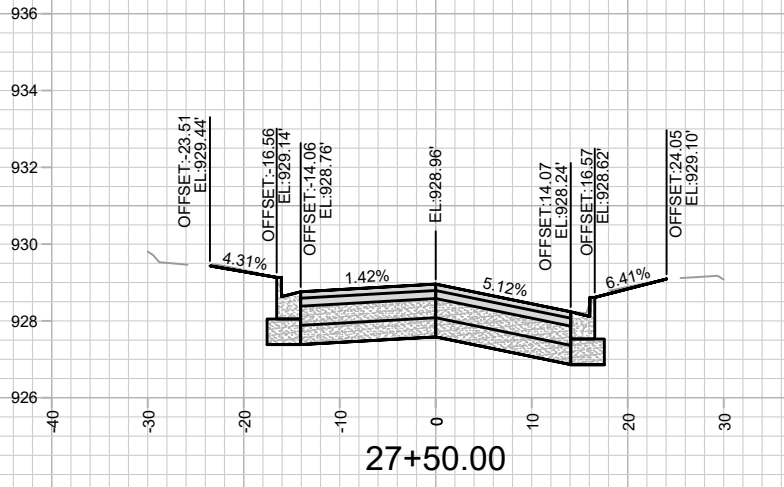
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