



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

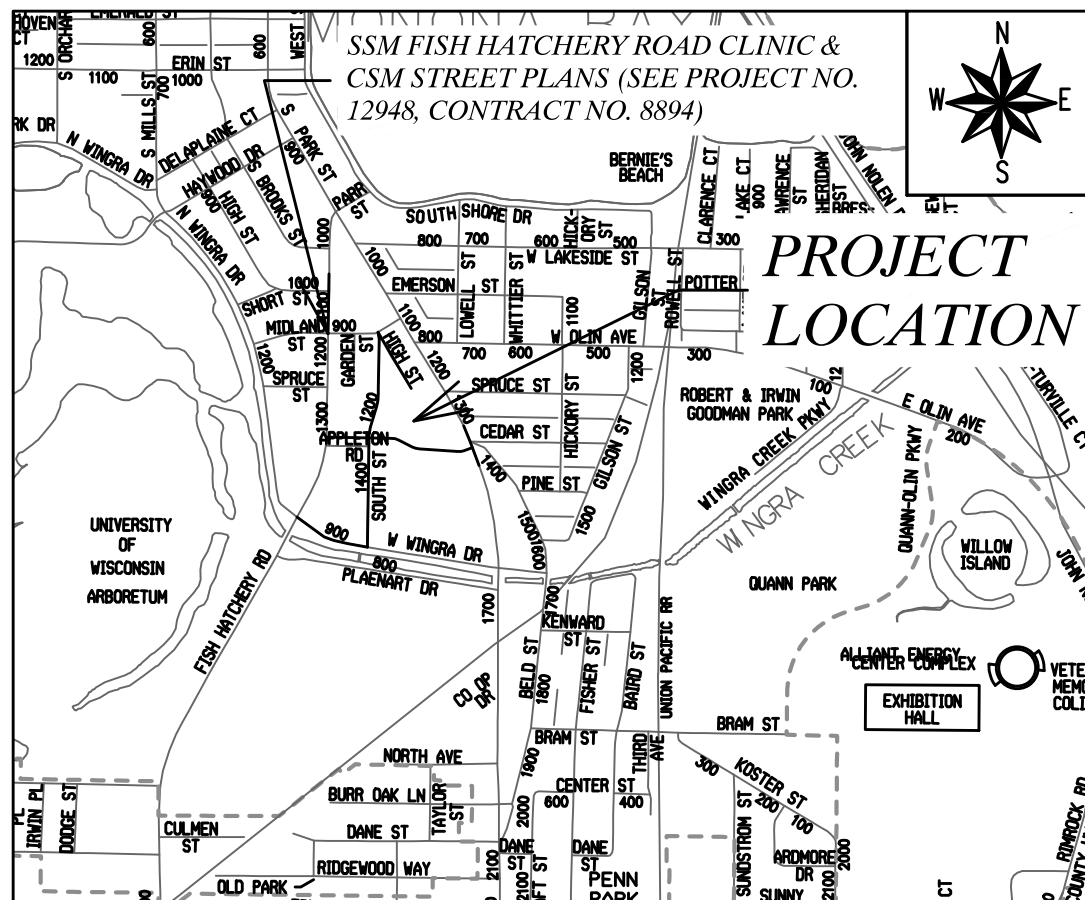
PLAN OF PROPOSED IMPROVEMENT

CEDAR STREET ASSESSMENT DISTRICT - 2021 & SOUTH STREET, HIGH STREET, AND WEST WINGRA DRIVE ASSESSMENT DISTRICT - 2021

CITY PROJECT NO. 11866 & 12956
CONTRACT NO. 8504

INDEX OF SHEETS

SHEET NO.	TITLE
1	
D1-D6	TYPICAL SECTIONS & DETAILS
EC1-EC8	EROSION CONTROL PLANS
P1-P7	STREET PLAN & PROFILES
PL1-PL3	STREET PLAN DETAILS
U1-U8	UTILITY PLAN & PROFILES
U9	SOUTH ST/WINGRA DR SAN. SEWER SCHEDULE
U10-11	SOUTH ST/WINGRA DR STM. SEWER SCHEDULE
U12	CEDAR ST SAN./STM. SEWER SCHEDULE
W1-W6	WATER PLAN & PROFILES
W7-W8	WATER IMPACT PLAN
W9	WATER MATERIALS, NOTES, & DETAILS
E1-E3	ELECTRICAL PLANS
M1-M4	PAVEMENT MARKING PLANS
TC1-TC3B	TRAFFIC CONTROL PLANS
X1-X25	CROSS SECTIONS
MA1	MAINTENANCE MAP (CITY USE ONLY)



PROJECT LOCATION

EARTH WORK SUMMARY:
EXCAVATION CUT (MEASURED PLAN QUANTITY) = 8,375 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT = 1,200 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT = 9,575 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED
11866 APPROVED DATE: October 10, 2020 & November 17, 2020
12956 APPROVED DATE: November 17, 2020
BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

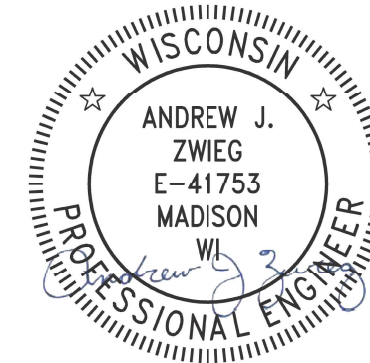
W. Greg Fries Dec 22, 2020
City Engineer Date

WATER DESIGNED BY:



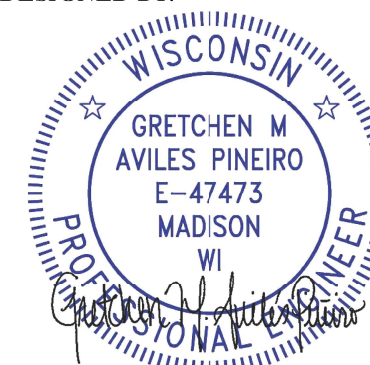
Dec 22, 2020

STREET DESIGNED BY:



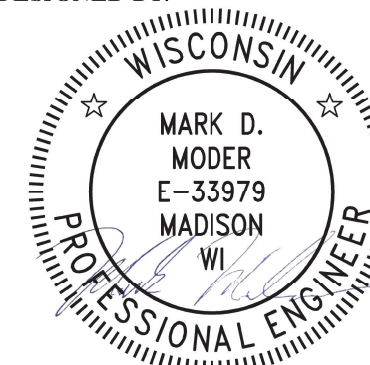
Dec 22, 2020

ELECTRICAL DESIGNED BY:



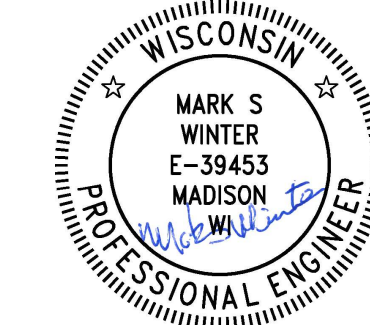
Dec 22, 2020

SANITARY SEWER DESIGNED BY:



Dec 22, 2020

PAVEMENT MARKING & TRAFFIC CONTROL DESIGNED BY:



Dec 22, 2020

STORM SEWER DESIGNED BY:

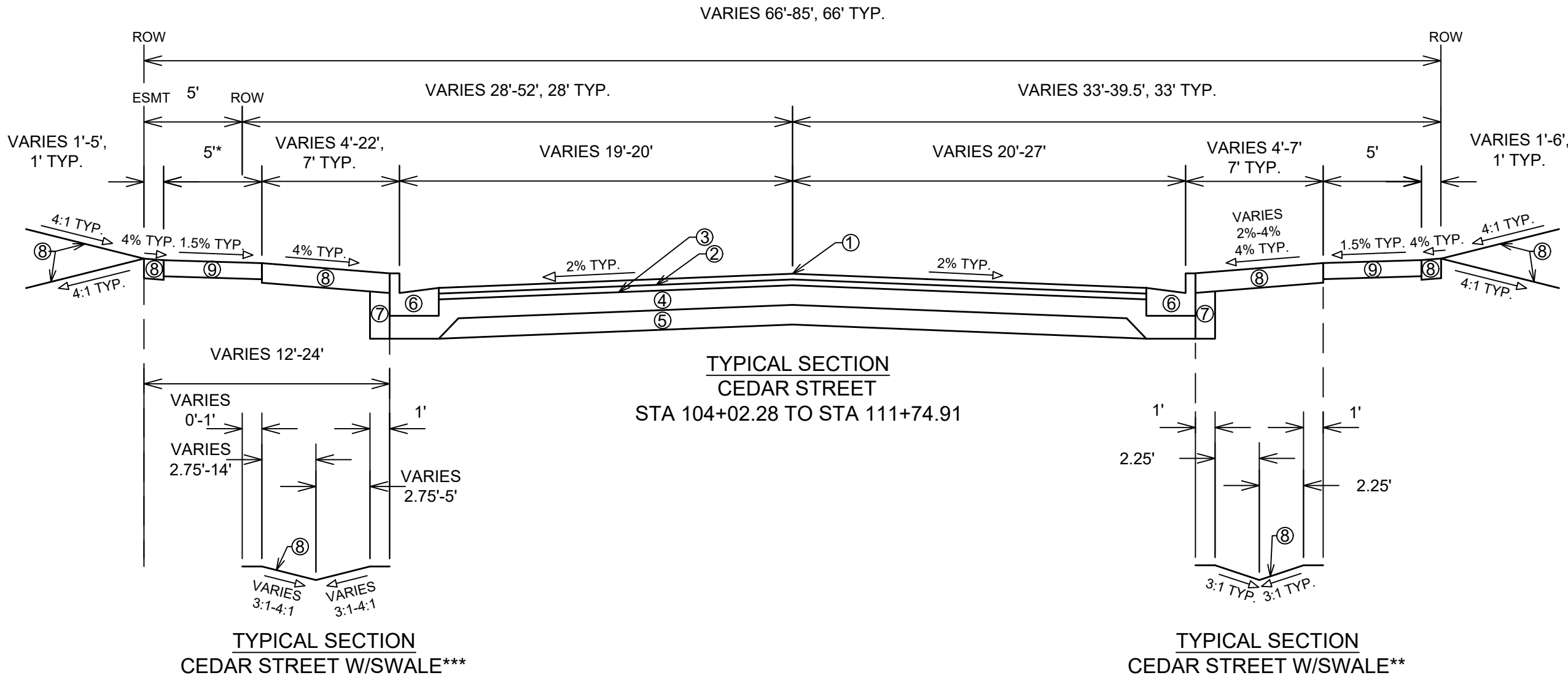


Dec 22, 2020

CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
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
REV. DATE: 12/21/2020 3:16 PM
ORIGINATOR: CITY_OF_MADISON



TYPICAL SECTION
CEDAR STREET
STA 104+02.28 TO STA 111+74.91

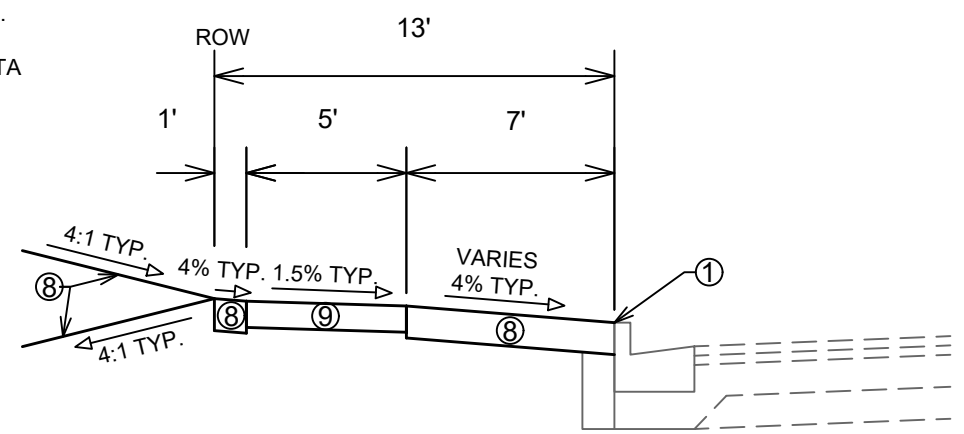
TYPICAL SECTION
CEDAR STREET W/SWALE***

TYPICAL SECTION
CEDAR STREET W/SWALE**

SPECIAL NOTES:

- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS.
- TYPICAL SECTION NOT TO SCALE.
- *INSTALL SIDEWALK FROM STA 104+02.28 TO STA 107+27.51.
- **INSTALL TERRACE SWALE STA 104+35 TO STA 105+75.
- ***INSTALL SWALE FROM STA 104+35 TO STA 105+60 AND STA 108+29 TO STA 110+58.

- ① POINT REFERRED TO ON PROFILE
- ② 2.00" HMA PAVEMENT- TYPE 4 LT 58-28 S (UPPER LAYER)
- ③ 2.50" HMA PAVEMENT- TYPE 3 LT 58-28 S (LOWER LAYER)
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE (UPPER LAYER)
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE (LOWER LAYER)
- ⑥ CONCRETE CURB AND GUTTER TYPE 'A', SEE P-SHEETS FOR LOCATIONS
- ⑦ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑧ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING
- ⑨ 5" CONCRETE SIDEWALK



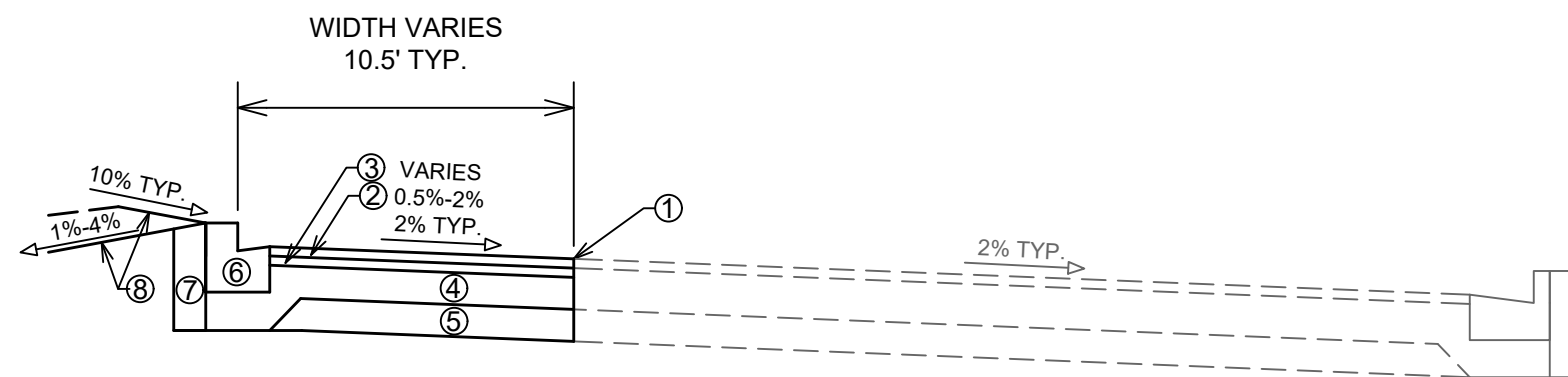
TYPICAL SECTION
SOUTH PARK STREET SIDEWALK
STA 601+28.97 TO STA 603+06.48

SPECIAL NOTES:

- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS.
- TYPICAL SECTION NOT TO SCALE.
- ① POINT REFERRED TO ON PROFILE
- ⑧ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING
- ⑨ 5" CONCRETE SIDEWALK



11866	MADISON, WI	8504	CONTRACT NO:	D-1
CEDAR STREET & SOUTH PARK STREET SIDEWALK TYPICAL SECTIONS				
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT				
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11866				
D-1				

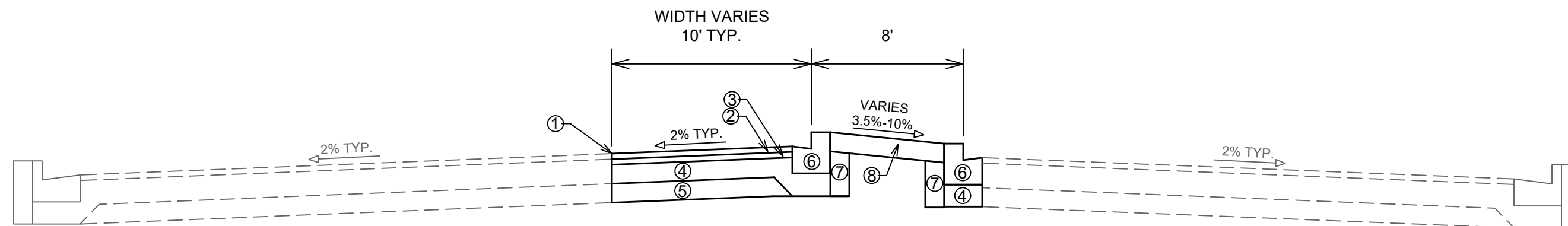


**TYPICAL SECTION
SOUTH PARK STREET
STA 503+14.78 TO STA 506+26.92**

SPECIAL NOTES:

- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS.
- TYPICAL SECTION NOT TO SCALE.
- EXISTING SOUTH PARK STREET PAVEMENT STRUCTURE IS ASPHALT OVER CONCRETE.

- ① POINT REFERRED TO ON PROFILE
- ② 2.00" HMA PAVEMENT- TYPE 4 MT 58-28 S (UPPER LAYER)
- ③ 3.50" HMA PAVEMENT- TYPE 3 MT 58-28 S (LOWER LAYER)
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE (UPPER LAYER)
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE (LOWER LAYER)
- ⑥ CONCRETE CURB AND GUTTER TYPE 'H', SEE P-SHEETS FOR LOCATIONS
- ⑦ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑧ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING

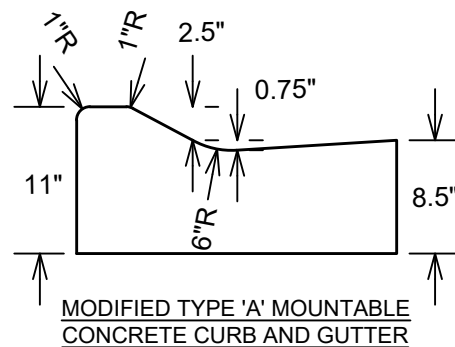


**TYPICAL SECTION
SOUTH PARK STREET MEDIAN
STA 506+85.39 TO STA 508+08.50**

SPECIAL NOTES:

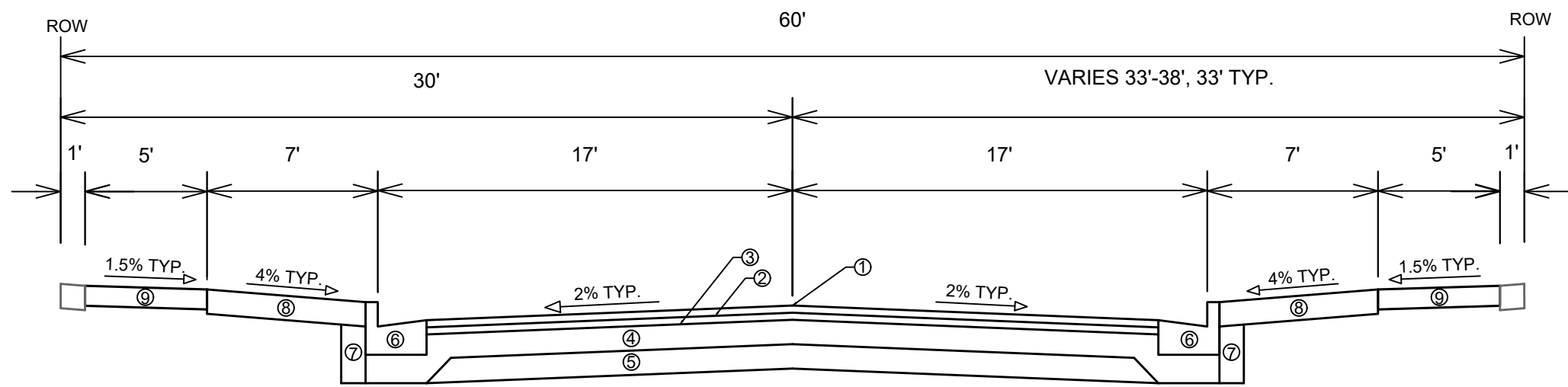
- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS.
- TYPICAL SECTION NOT TO SCALE.
- EXISTING SOUTH PARK STREET PAVEMENT STRUCTURE IS ASPHALT OVER CONCRETE.

- ① POINT REFERRED TO ON PROFILE
- ② 2.00" HMA PAVEMENT- TYPE 4 MT 58-28 S (UPPER LAYER)
- ③ 3.50" HMA PAVEMENT- TYPE 3 MT 58-28 S (LOWER LAYER)
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE (UPPER LAYER)
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE (LOWER LAYER)
- ⑥ CONCRETE CURB AND GUTTER TYPE 'H', SEE P-SHEETS FOR LOCATIONS
- ⑦ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑧ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING

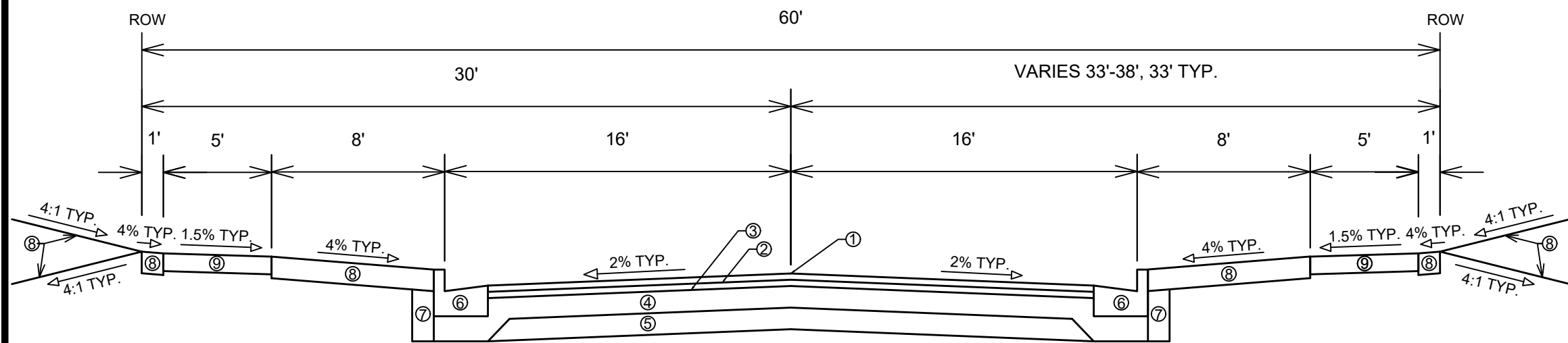


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MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI
8504	8504	8504	8504
SOUTH PARK STREET MEDIAN TYPICAL SECTIONS		SOUTH PARK STREET MEDIAN TYPICAL SECTIONS	
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT		CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT	
CONTRACT NO: 8504		CONTRACT NO: 8504	
DESIGNED BY: ALZ		DESIGNED BY: ALZ	
DATE: 12/18/2020 4:32 PM		DATE: 12/18/2020 4:32 PM	
REVISION		REVISION	
BY		BY	
DATE		DATE	
SCALE: #####		SCALE: #####	
PROJECT NO: 11866		PROJECT NO: 11866	
SHEET NO: D-2		SHEET NO: D-2	
CITY OF MADISON WISCONSIN		CITY OF MADISON WISCONSIN	
11866		11866	
D-2		D-2	

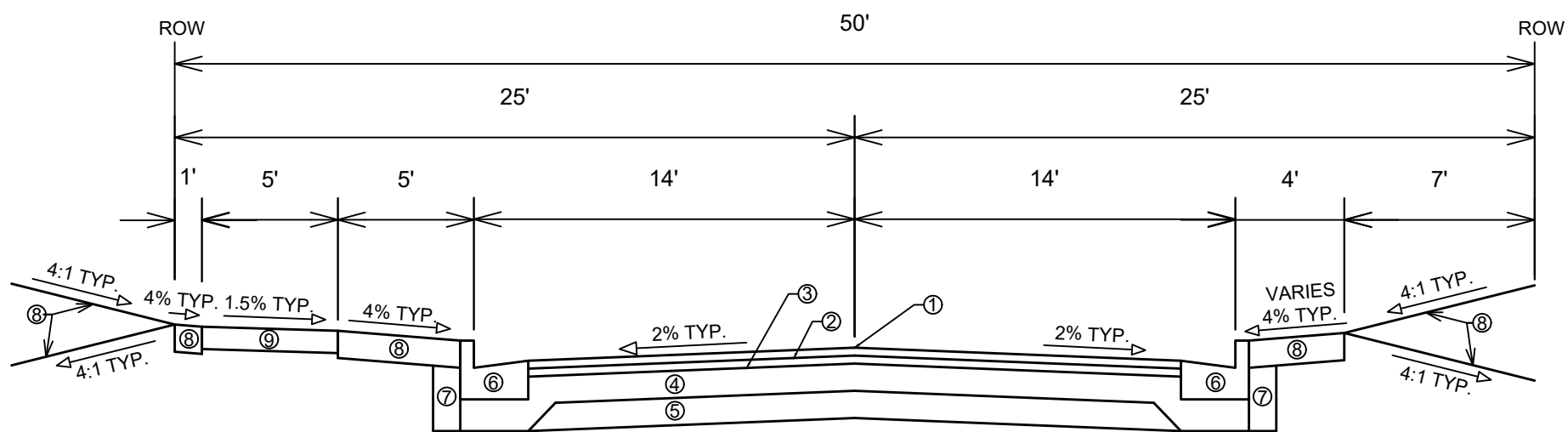
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TYPICAL SECTION
SOUTH STREET
STA 200+73.84 TO STA 209+07.37



TYPICAL SECTION
SOUTH STREET
STA 209+07.37 TO STA 217+34.08



TYPICAL SECTION
HIGH STREET
STA 300+72.75 TO STA 304+93.18

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

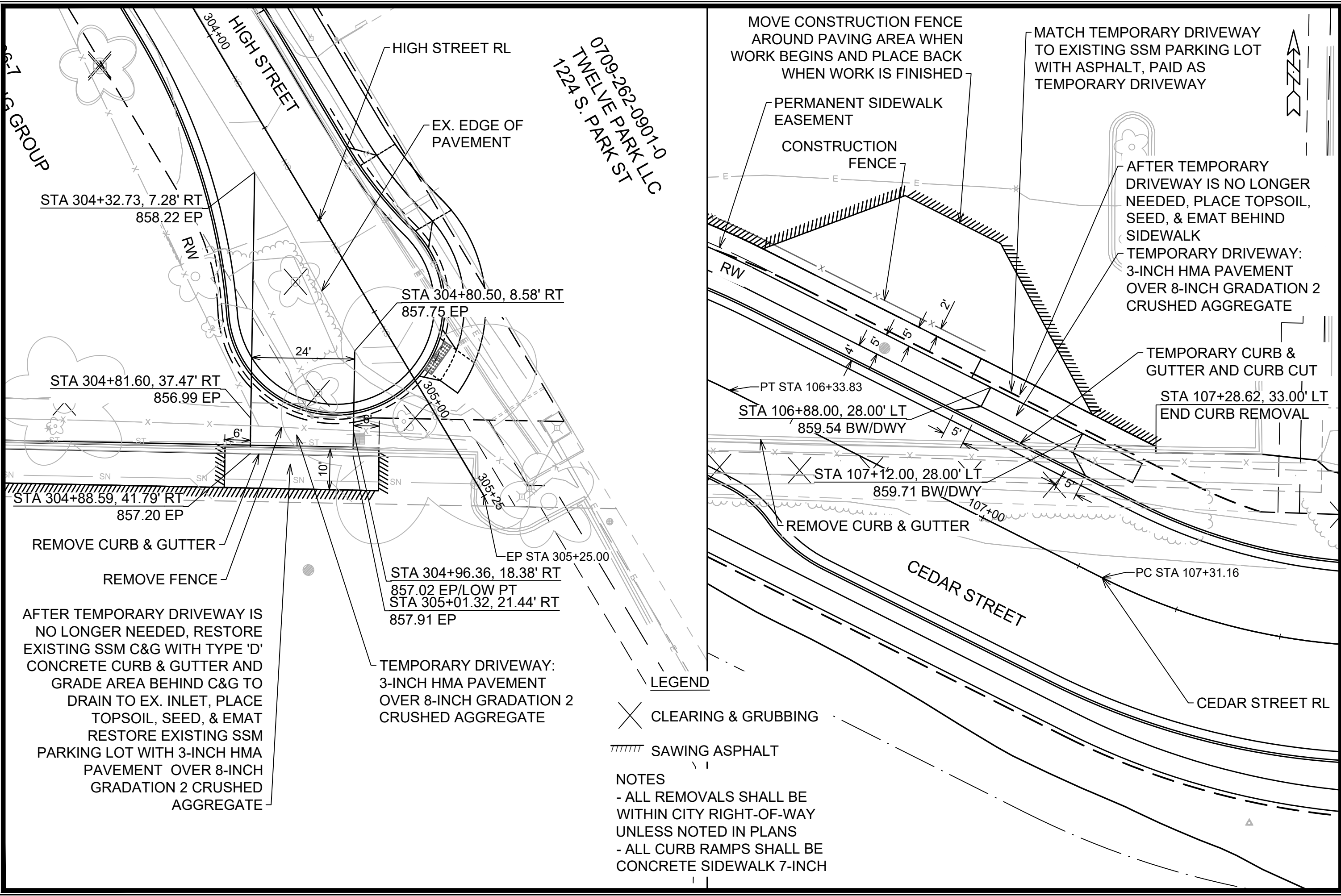
SPECIAL NOTES:

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

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12956			
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12956
MADISON, WI
8504
CONTRACT NO:
SOUTH STREET & HIGH STREET TYPICAL SECTIONS
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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0709-262-0901-0
 TWELVE PARK LLC
 1224 S. PARK ST

MOVE CONSTRUCTION FENCE
 AROUND PAVING AREA WHEN
 WORK BEGINS AND PLACE BACK
 WHEN WORK IS FINISHED

MATCH TEMPORARY DRIVEWAY
 TO EXISTING SSM PARKING LOT
 WITH ASPHALT, PAID AS
 TEMPORARY DRIVEWAY

AFTER TEMPORARY
 DRIVEWAY IS NO LONGER
 NEEDED, PLACE TOPSOIL,
 SEED, & EMAT BEHIND
 SIDEWALK
 TEMPORARY DRIVEWAY:
 3-INCH HMA PAVEMENT
 OVER 8-INCH GRADATION 2
 CRUSHED AGGREGATE

TEMPORARY CURB &
 GUTTER AND CURB CUT
 STA 107+28.62, 33.00' LT
 END CURB REMOVAL

REMOVE CURB & GUTTER
 REMOVE FENCE
 AFTER TEMPORARY DRIVEWAY IS
 NO LONGER NEEDED, RESTORE
 EXISTING SSM C&G WITH TYPE 'D'
 CONCRETE CURB & GUTTER AND
 GRADE AREA BEHIND C&G TO
 DRAIN TO EX. INLET, PLACE
 TOPSOIL, SEED, & EMAT
 RESTORE EXISTING SSM
 PARKING LOT WITH 3-INCH HMA
 PAVEMENT OVER 8-INCH
 GRADATION 2 CRUSHED
 AGGREGATE

TEMPORARY DRIVEWAY:
 3-INCH HMA PAVEMENT
 OVER 8-INCH GRADATION 2
 CRUSHED AGGREGATE

LEGEND

- X CLEARING & GRUBBING
- //// SAWING ASPHALT

NOTES
 - ALL REMOVALS SHALL BE
 WITHIN CITY RIGHT-OF-WAY
 UNLESS NOTED IN PLANS
 - ALL CURB RAMPS SHALL BE
 CONCRETE SIDEWALK 7-INCH

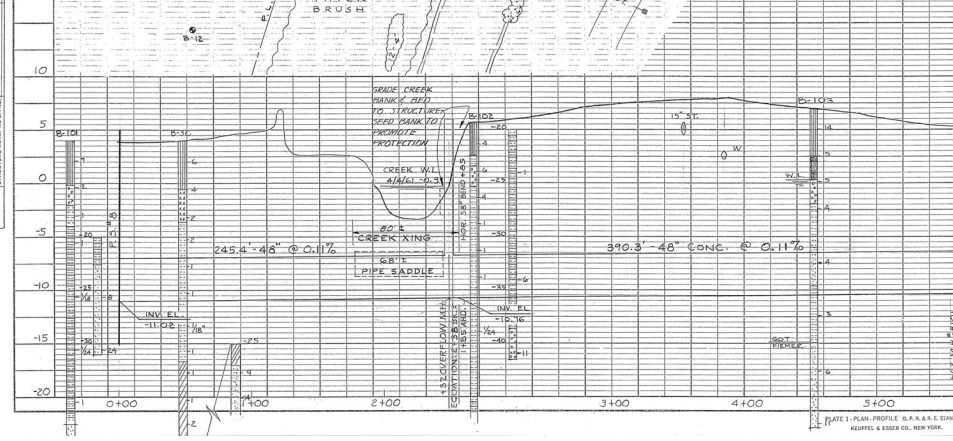
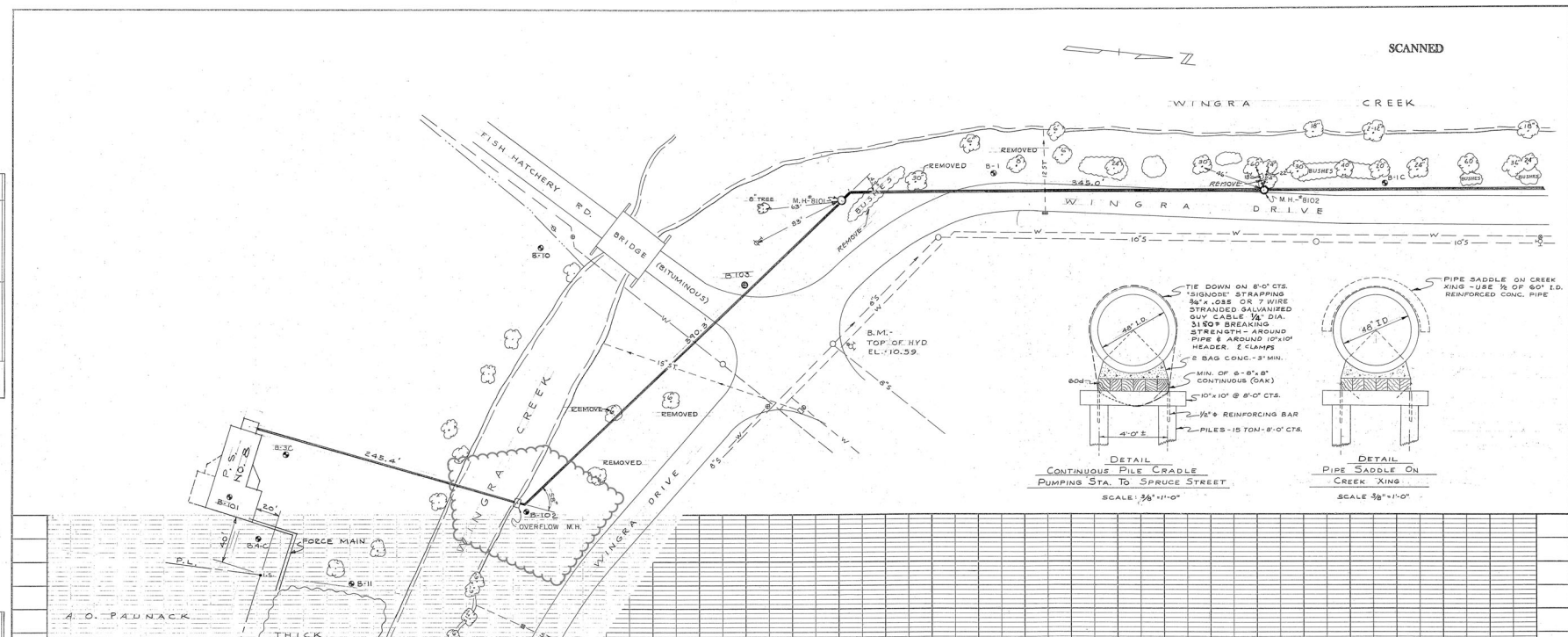
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REVISION	SCALE
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DESIGNED BY	SCALE
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11866
 MADISON, WI
 8504
 CONTRACT NO:
 TEMPORARY DRIVEWAY DETAILS
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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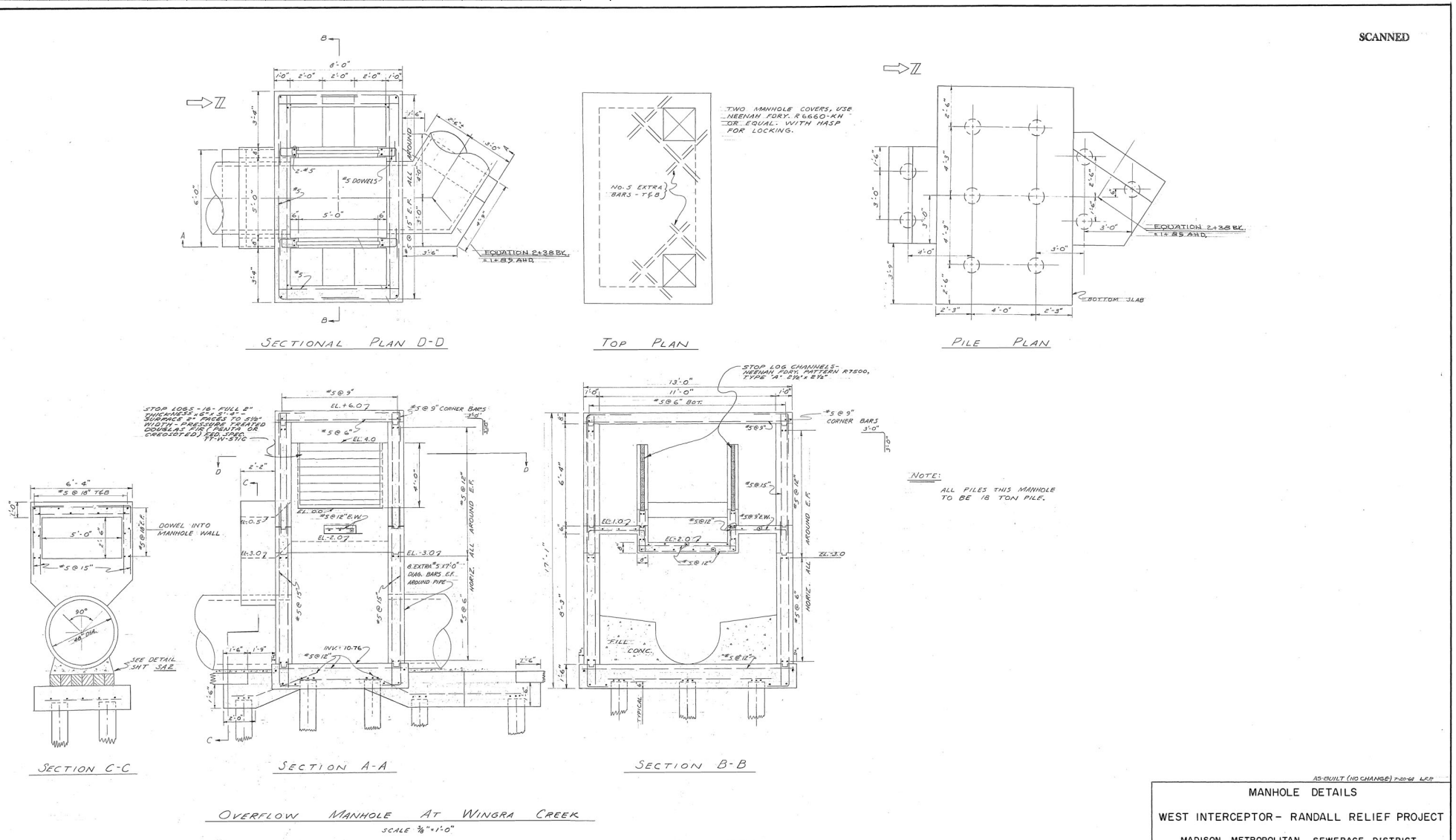
NO.	DESCRIPTION



MMSD MH08-100 AS-BUILTS PROVIDED FOR REFERENCE. DRAWINGS NOT TO SCALE.

CONTACT DANIEL OLIVARES
(DAOLIVARES@CITYOFMADISON.COM) FOR DIGITAL COPIES.

CONTACT JEN HURLEBAUS (MMSD)
(JENH@MADSEWER.ORG) WITH ANY QUESTIONS RELATED TO THE STRUCTURE OR MMSD SEWERAGE UTILITIES



MANHOLE DETAILS	
WEST INTERCEPTOR - RANDALL RELIEF PROJECT	
MADISON METROPOLITAN SEWERAGE DISTRICT	
SCALE: AS SHOWN	DATE: AUGUST, 1982
DESIGNED: <i>[Signature]</i>	HEAD AND HUNT, INC.
DRAWN: <i>[Signature]</i>	CONSULTING ENGINEERS
CHECKED: <i>[Signature]</i>	MADISON, WISCONSIN
APPROVED: <i>[Signature]</i>	A5667-SA14
	M99-61A

MMSD MH08-100 AS-BUILT RECORDS

CEDAR ST., SOUTH ST., HIGH ST., WINGRA DR PROJECT

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11866

MADISON, WI

CONTRACT NO: 8504

SCANNED

11866

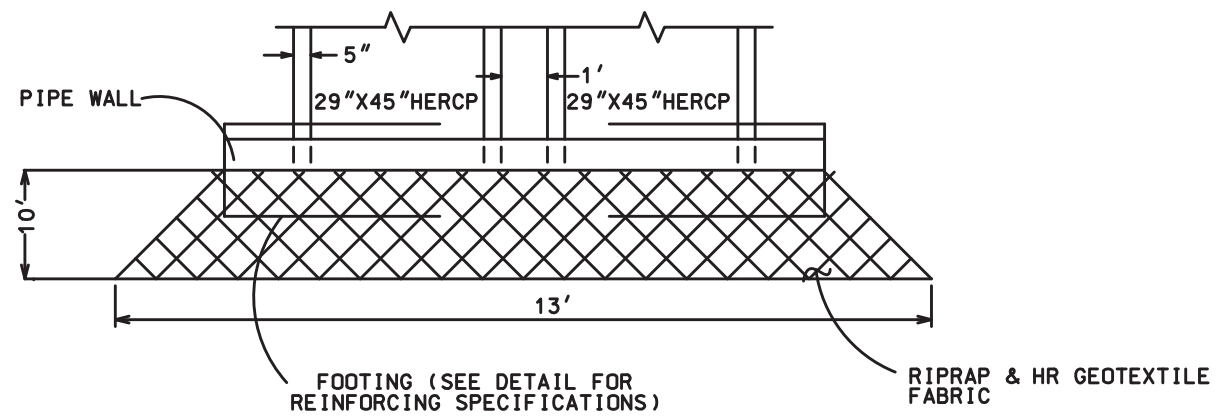
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NO.	DESCRIPTION	DATE	BY

11866

D-5

NOTE: ALL BARS TO BE EPOXY COATED.

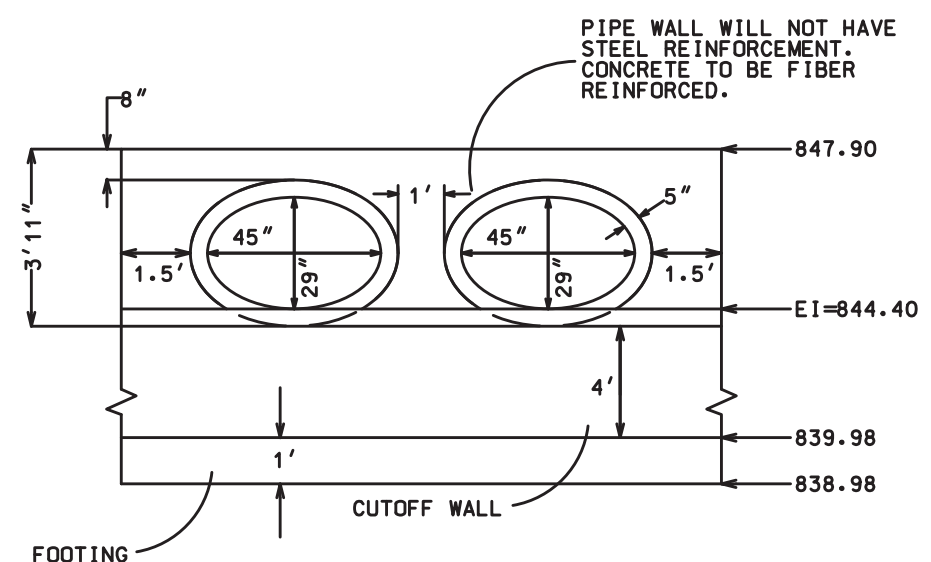


TOP VIEW
PIPE WALL, CUTOFF WALL & FOOTING

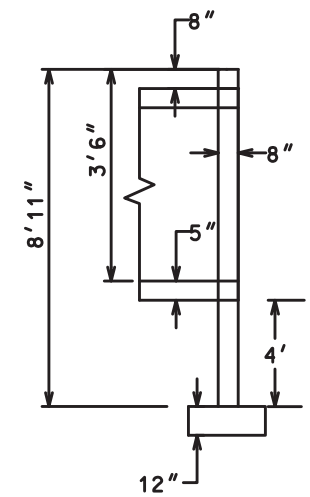
FILL NOTES:
 (1) SEE S.D.D. 5.5.2 FOR INSTALLATION OF RIPRAP AND GEOTEXTILE FABRIC.
 (2) RESTORATION: FILL AREA WITH TOPSOIL AND STABILIZE WITH EROSION MATTING.

BEDDING NOTES:
 (1) ALL FOOTINGS SHALL HAVE 12" OF 3" CLEAR STONE PLACED AS BEDDING.

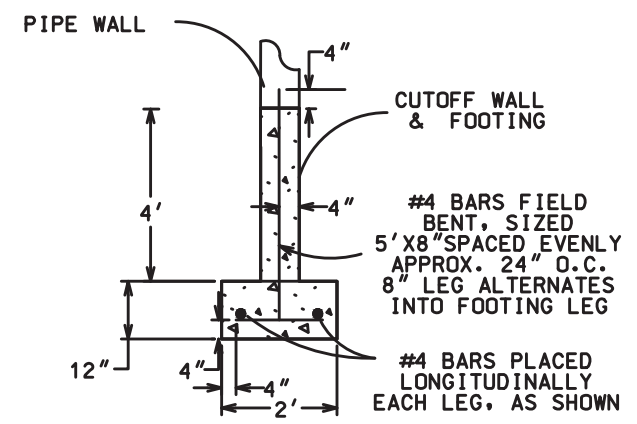
TWIN 2X4 RCBC, HEADER, AND SIDE WALLS CHANGED TO TWIN 29"X45" HERCP PIPE WALL



FRONT VIEW
PIPE WALL ELEVATION



SIDE VIEW
PIPE WALL (W/HEADER), SIDE WALL, CUT-OFF & FOOTING



STEEL CONNECTIONS
CUT-OFF & FOOTING WALL DETAIL

STEEL CONNECTION NOTES:
 CUT-OFF WALL DETAIL - THE #4 BAR REINFORC: THE CUT-OFF WALL SHALL BE FIELD BENT INTO SHAPE WITH THE DIMENSIONS 5' X 8" SPACED EVENLY ON APPROXIMATELY 24" CENTERS. THE 8" LEG ALTERNATES INTO FOOTING LEG AND 4" EMBEDS INTO PIPE WALL WITH ADHESIVE ANCHORS. THE BARS BE CENTERED IN THE CUT-OFF WALL.

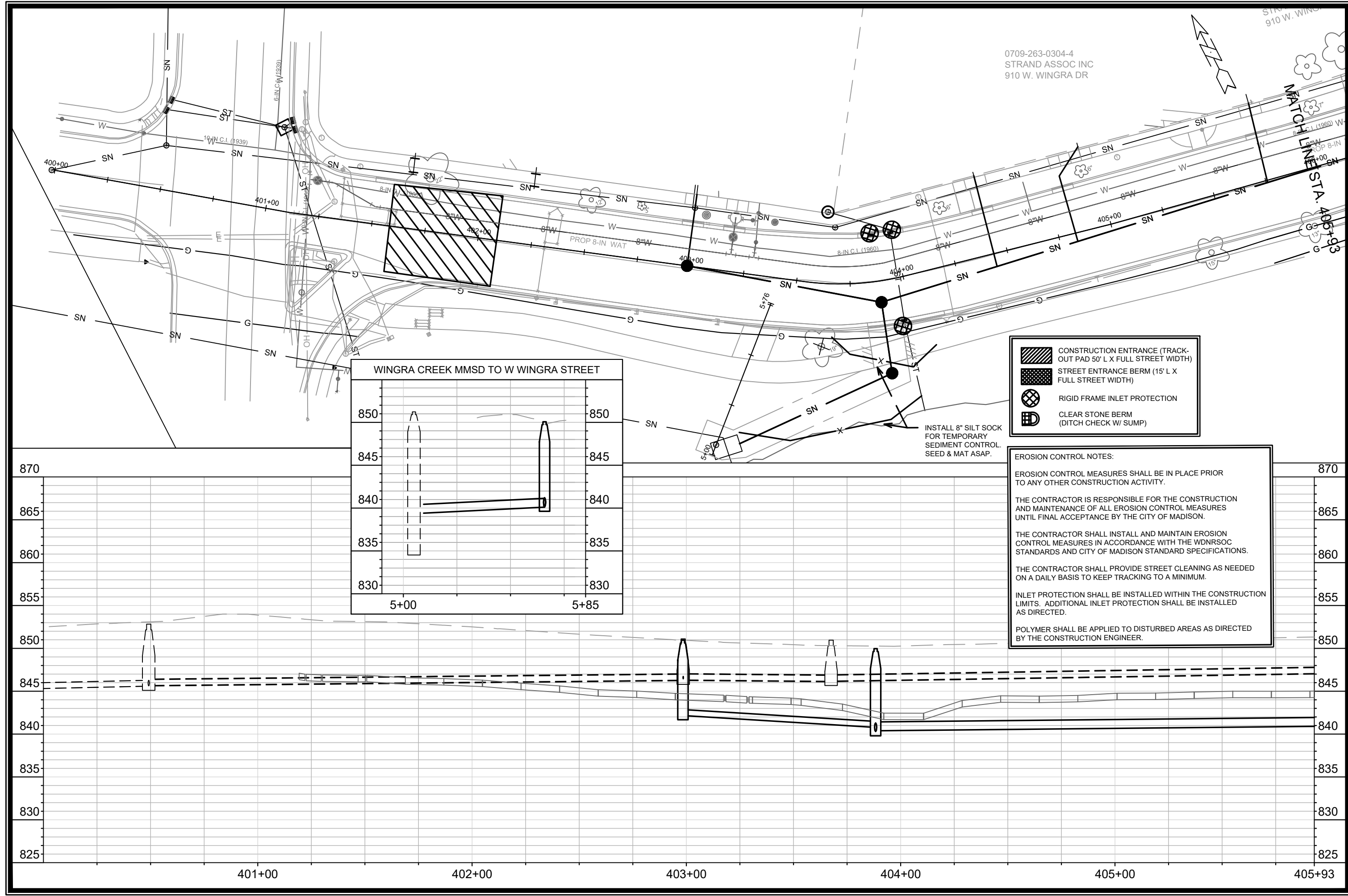
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11866
MADISON, WI
8504
CONTRACT NO:
HERCP END DETAILS - PIPE WALL, CUTOFF WALL & FOOTING
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
D-6

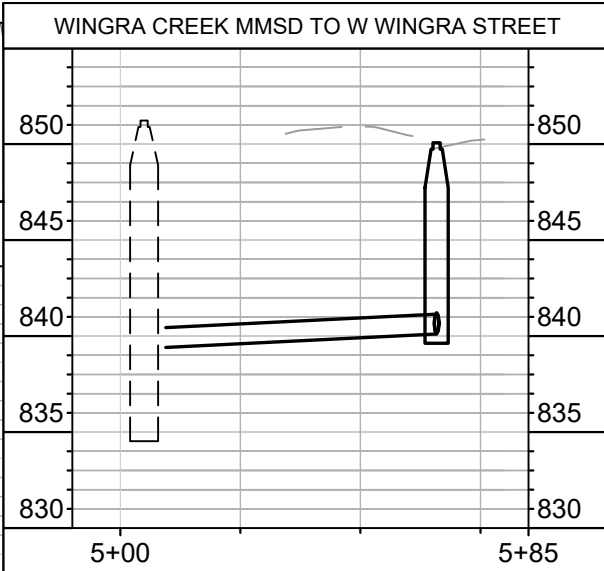
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0709-263-0304-4
STRAND ASSOC INC
910 W. WINGRA DR

STR 910 W. WINGRA

MATCHLINE STA. 405+93



	CONSTRUCTION ENTRANCE (TRACK-OUT PAD 50' L X FULL STREET WIDTH)
	STREET ENTRANCE BERM (15' L X FULL STREET WIDTH)
	RIGID FRAME INLET PROTECTION
	CLEAR STONE BERM (DITCH CHECK W/ SUMP)

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. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.
 POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

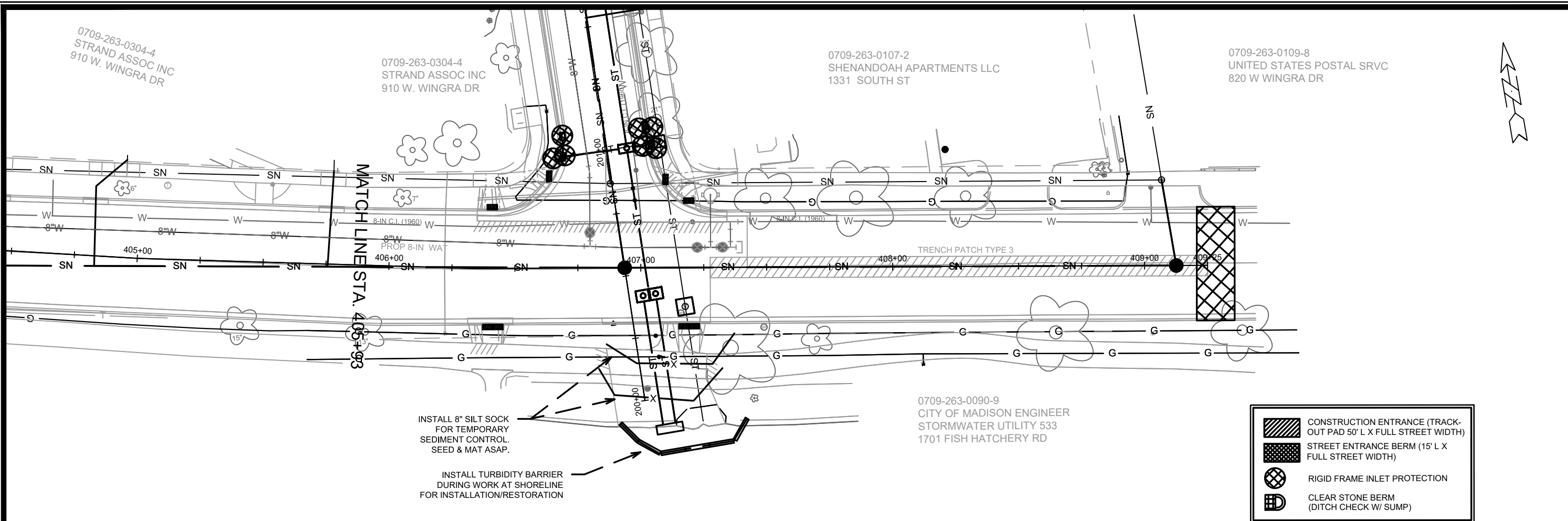
EROSION CONTROL - W WINGRA DR		11866
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT		
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MARK	REVISION	DATE
Designed By: ALZ	Scale: 1" = 40'	BY
CONTRACT NO: 8504		11866
11866		EC-1

0709-263-0304-4
STRAND ASSOC INC
910 W. WINGRA DR

0709-263-0304-4
STRAND ASSOC INC
910 W. WINGRA DR

0709-263-0107-2
SHENANDOAH APARTMENTS LLC
1331 SOUTH ST

0709-263-0109-8
UNITED STATES POSTAL SRVC
820 W WINGRA DR

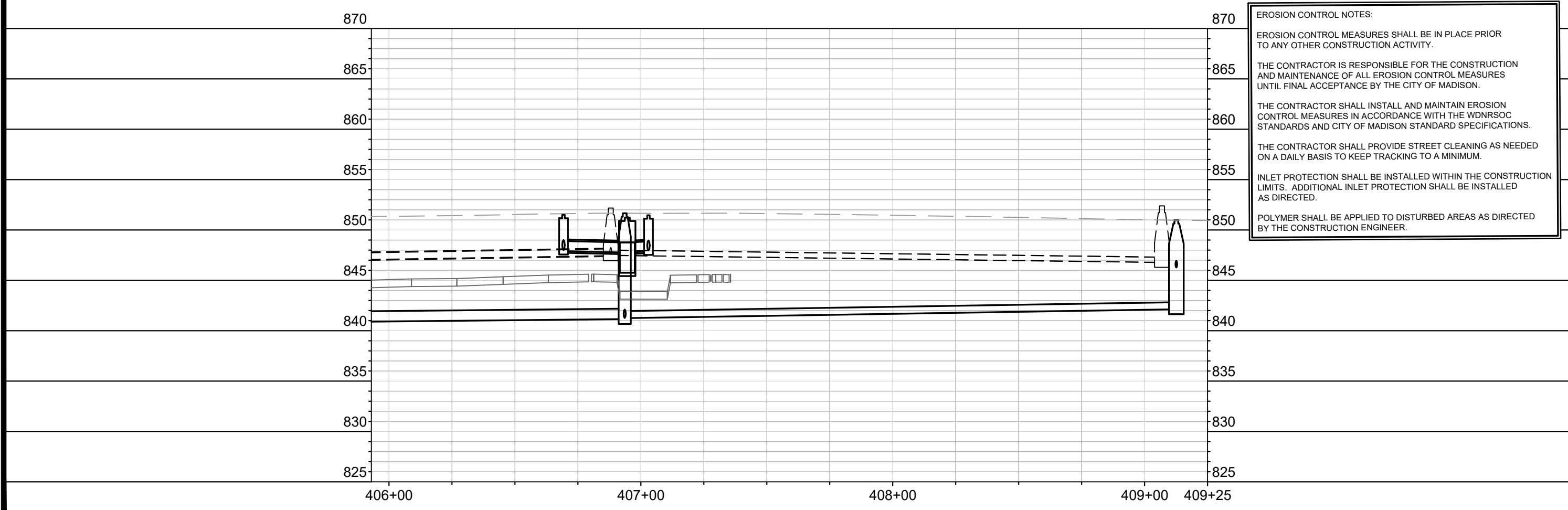


INSTALL 8" SILT SOCK
FOR TEMPORARY
SEDIMENT CONTROL.
SEED & MAT ASAP.

INSTALL TURBIDITY BARRIER
DURING WORK AT SHORELINE
FOR INSTALLATION/RESTORATION

0709-263-0090-9
CITY OF MADISON ENGINEER
STORMWATER UTILITY 533
1701 FISH HATCHERY RD

	CONSTRUCTION ENTRANCE (TRACK-OUT PAD 50' L X FULL STREET WIDTH)
	STREET ENTRANCE BERM (15' L X FULL STREET WIDTH)
	RIGID FRAME INLET PROTECTION
	CLEAR STONE BERM (DITCH CHECK W/ SUMP)



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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. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

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

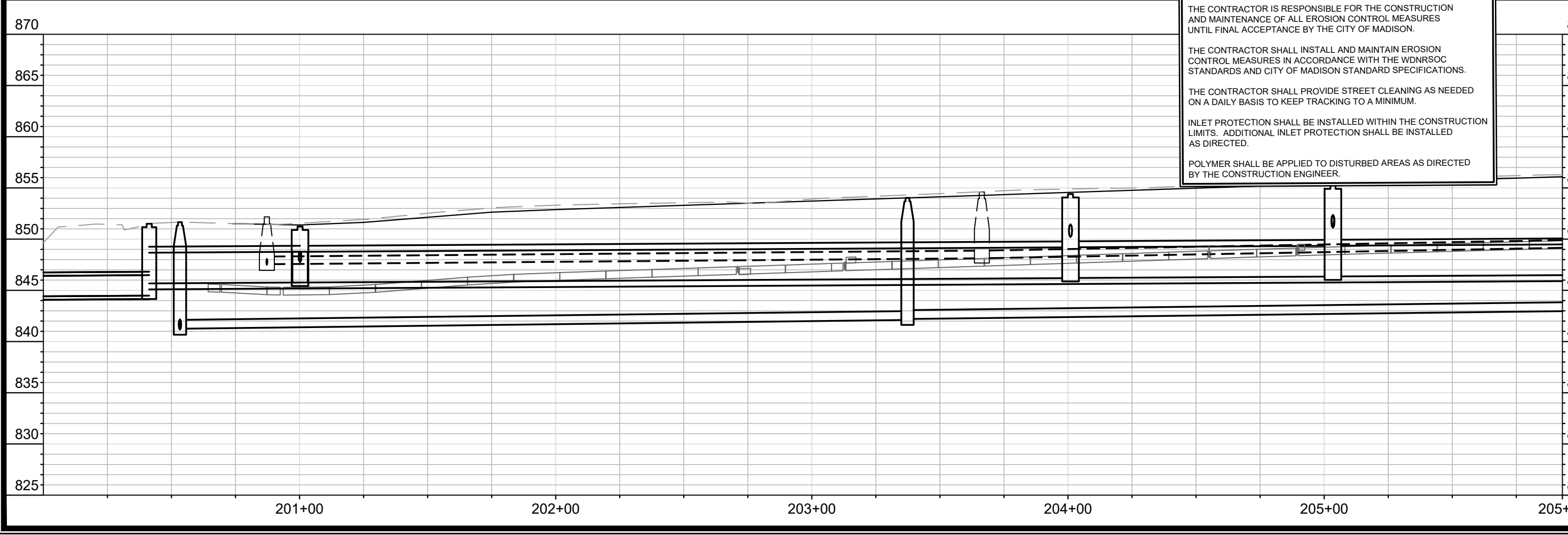
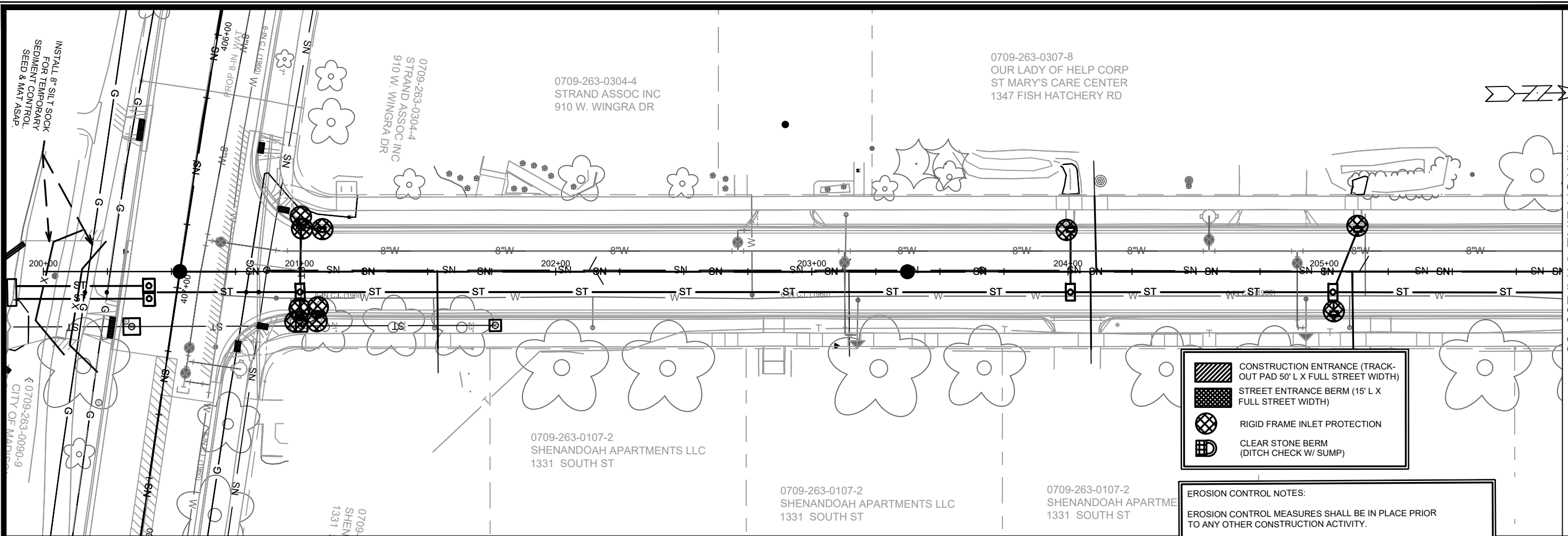
MARK	REVISION	DATE	BY

11866
MADISON, WI
CONTRACT NO: 8504

EROSION CONTROL - W WINGRA DR
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
EC-2



- CONSTRUCTION ENTRANCE (TRACK-OUT PAD 50' L X FULL STREET WIDTH)
- STREET ENTRANCE BERM (15' L X FULL STREET WIDTH)
- RIGID FRAME INLET PROTECTION
- CLEAR STONE BERM (DITCH CHECK W/ SUMP)

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.

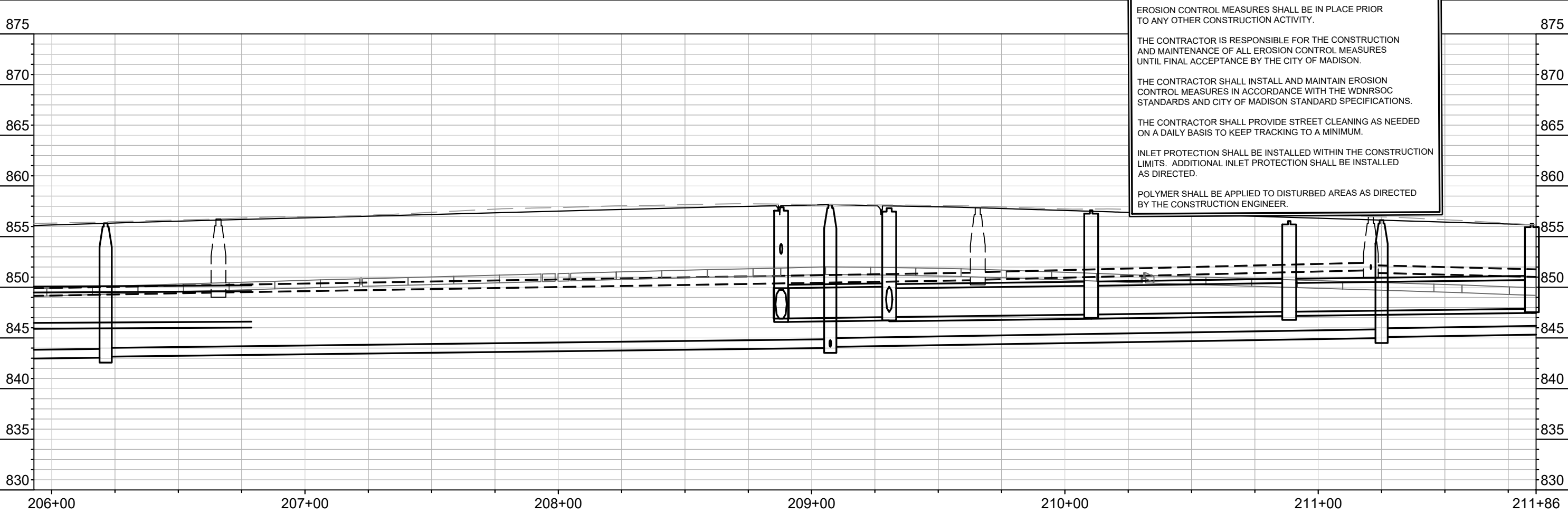
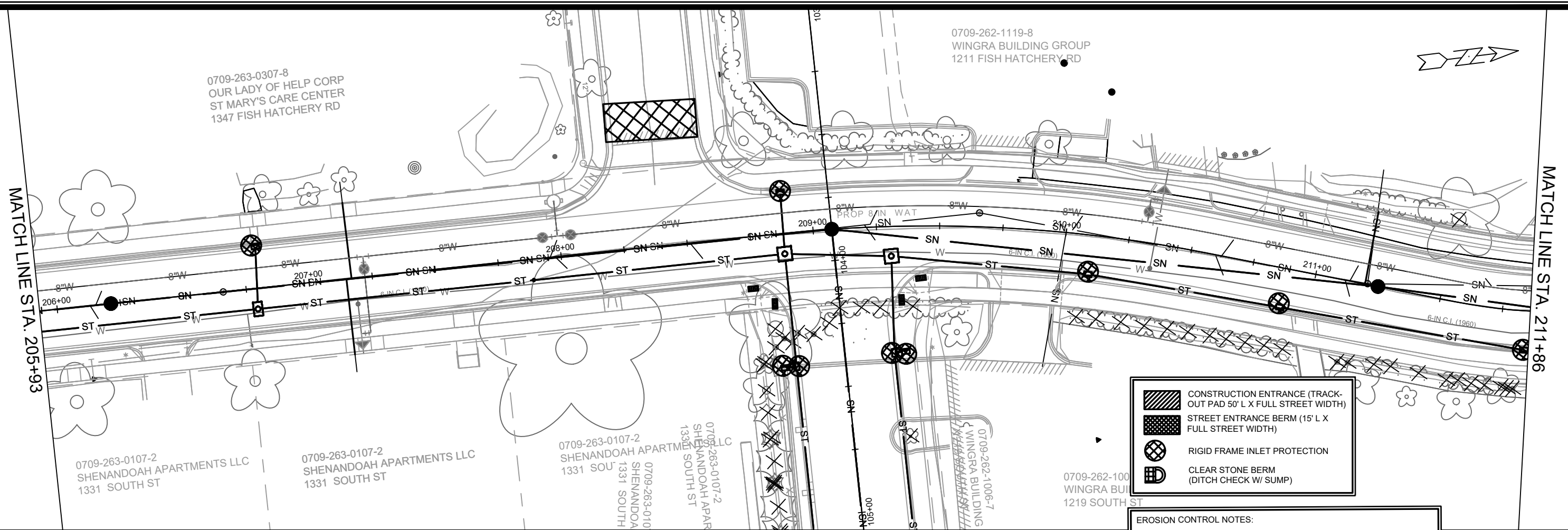
THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

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

MATCH LINE STA. 205+93

11866	MADISON, WI	8504	CONTRACT NO:		
EROSION CONTROL - SOUTH ST					
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT					
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11866					
EC-3					



- CONSTRUCTION ENTRANCE (TRACK-OUT PAD 50' L X FULL STREET WIDTH)
- STREET ENTRANCE BERM (15' L X FULL STREET WIDTH)
- RIGID FRAME INLET PROTECTION
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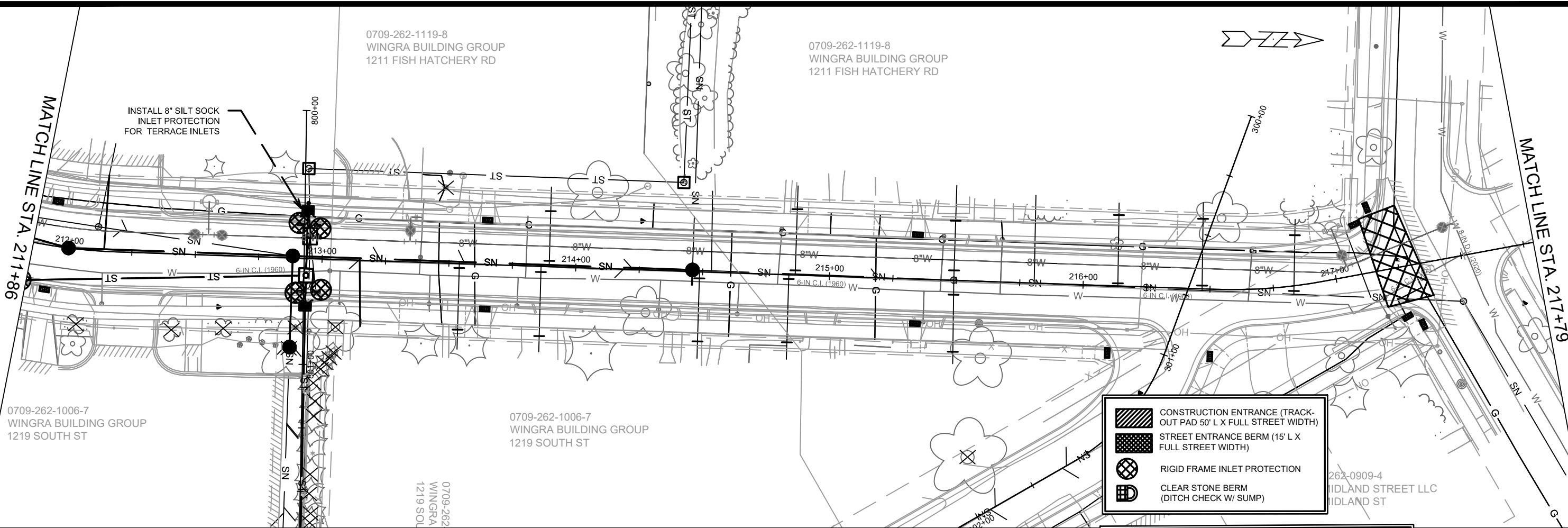
MARK	REVISION	DATE	BY





11866
 MADISON, WI
 8504
 CONTRACT NO:

EROSION CONTROL - SOUTH ST
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
 EC-4



-  CONSTRUCTION ENTRANCE (TRACK-OUT PAD 50' L X FULL STREET WIDTH)
-  STREET ENTRANCE BERM (15' L X FULL STREET WIDTH)
-  RIGID FRAME INLET PROTECTION
-  CLEAR STONE BERM (DITCH CHECK W/ SUMP)

EROSION CONTROL NOTES:

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

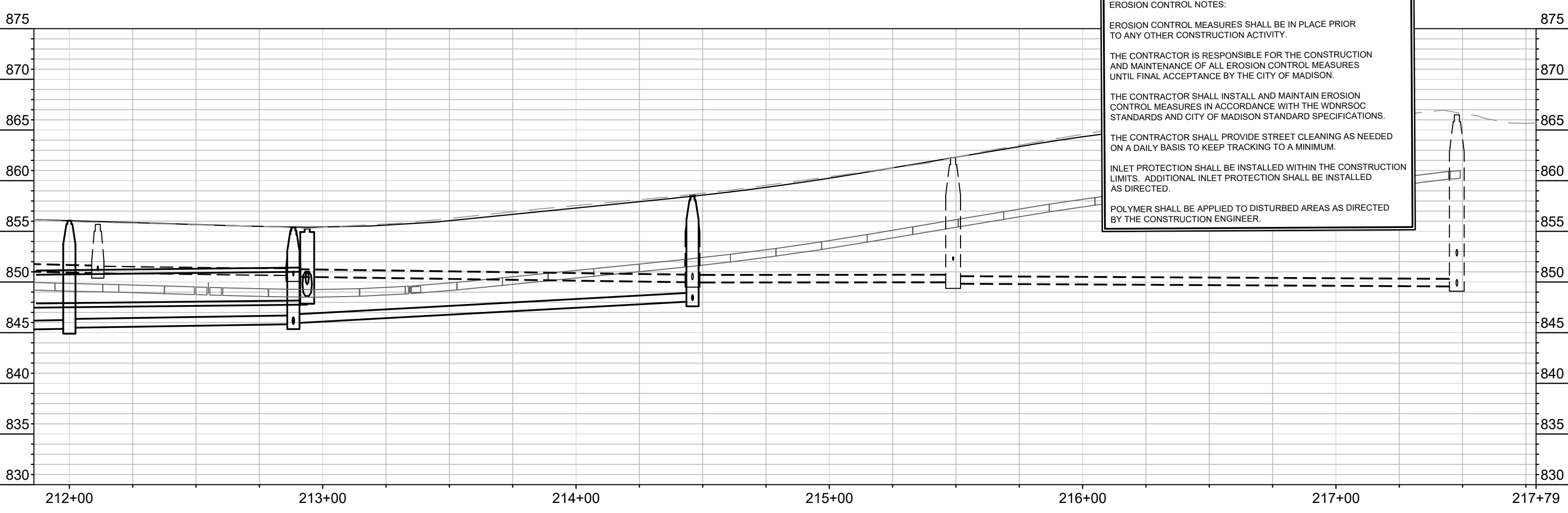
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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

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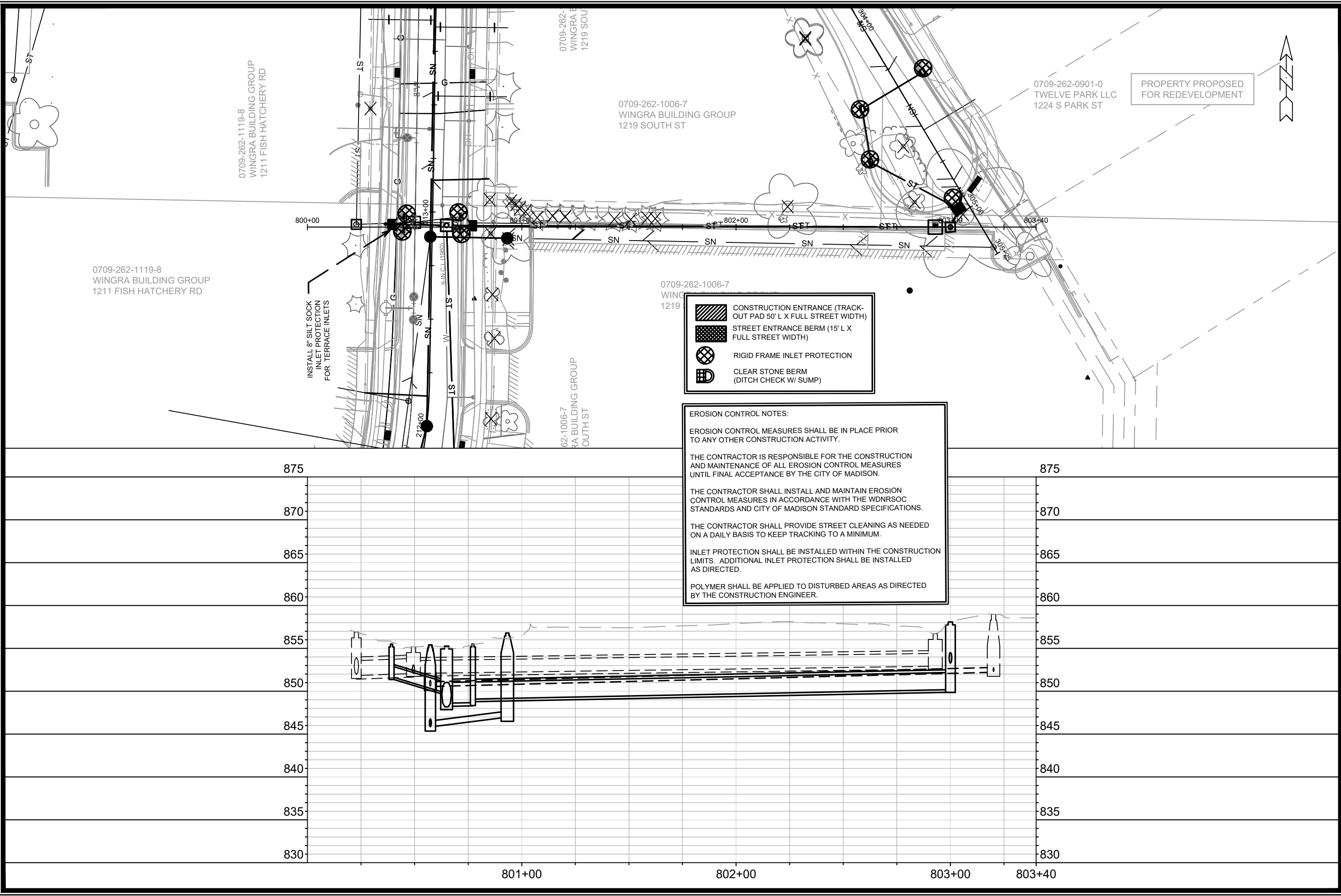
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11866 EC-5

11866
MADISON, WI
8504
CONTRACT NO:

EROSION CONTROL - SOUTH ST
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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INSTALL 8" SILT SOCK
INLET PROTECTION
FOR TERRACE INLETS

-  CONSTRUCTION ENTRANCE (TRACK-OUT PAD 50' L X FULL STREET WIDTH)
-  STREET ENTRANCE BERM (15' L X FULL STREET WIDTH)
-  RIGID FRAME INLET PROTECTION
-  CLEAR STONE BERM (DITCH CHECK W/ SUMP)

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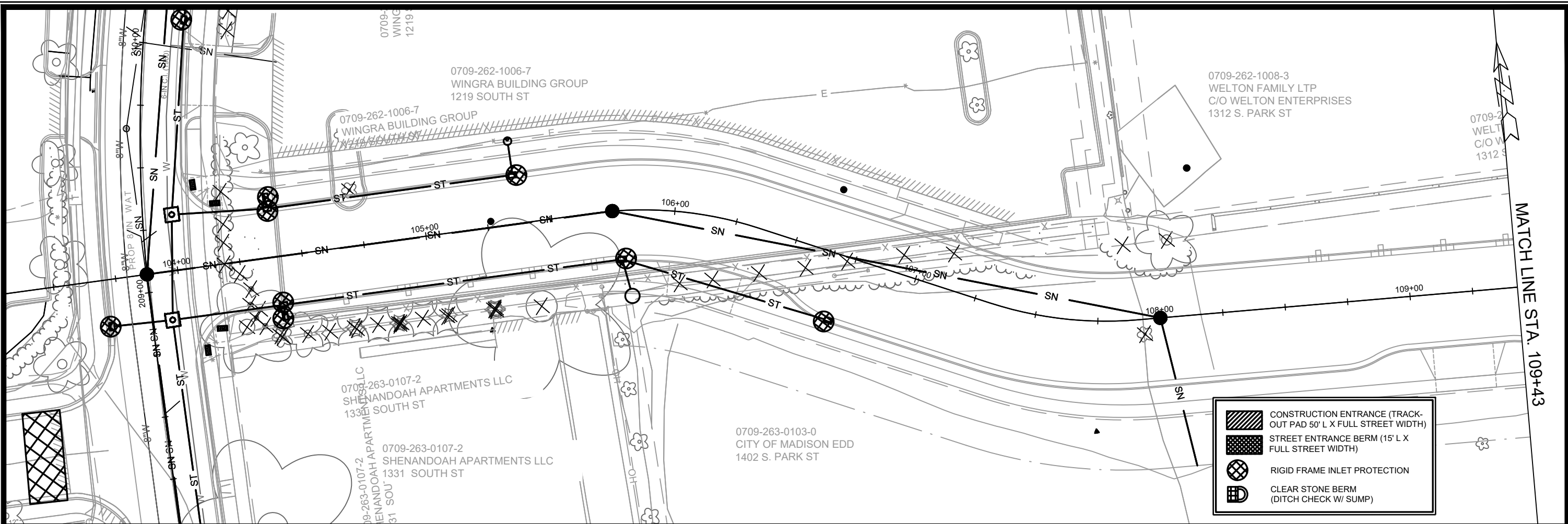
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

MARK	REVISION	DATE	BY

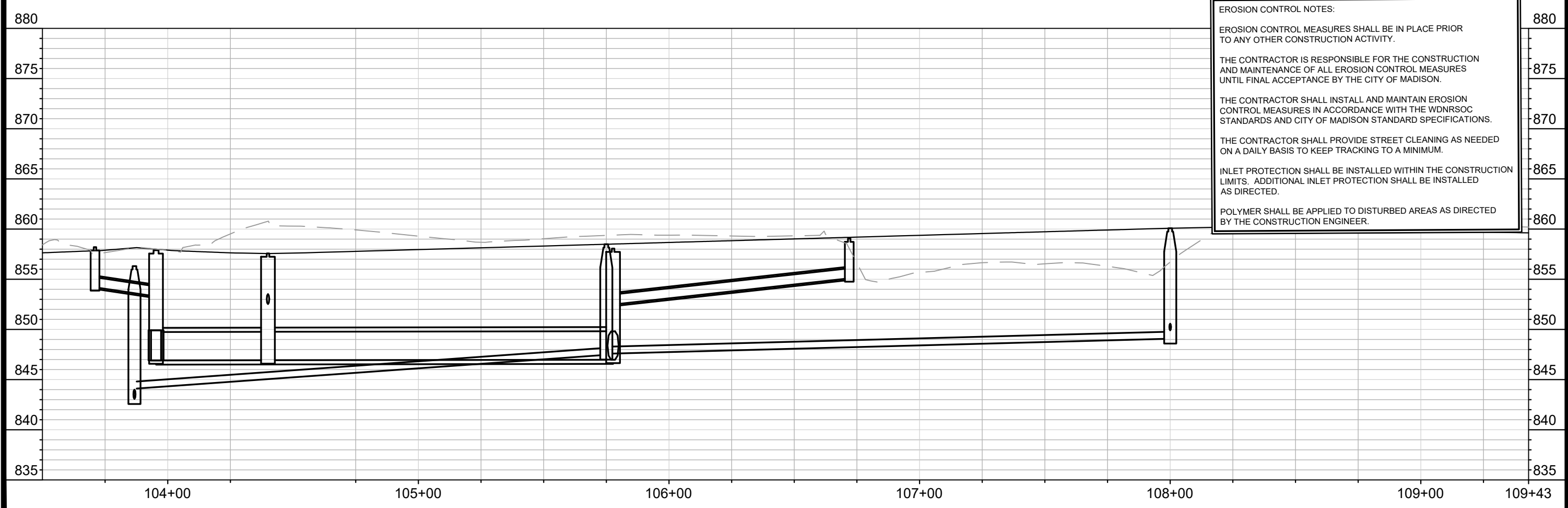
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11866
EC-6

11866
MADISON, WI
8504
CONTRACT NO:

EROSION CONTROL - HIGH ST
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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	CONSTRUCTION ENTRANCE (TRACK-OUT PAD 50' L X FULL STREET WIDTH)
	STREET ENTRANCE BERM (15' L X FULL STREET WIDTH)
	RIGID FRAME INLET PROTECTION
	CLEAR STONE BERM (DITCH CHECK W/ SUMP)



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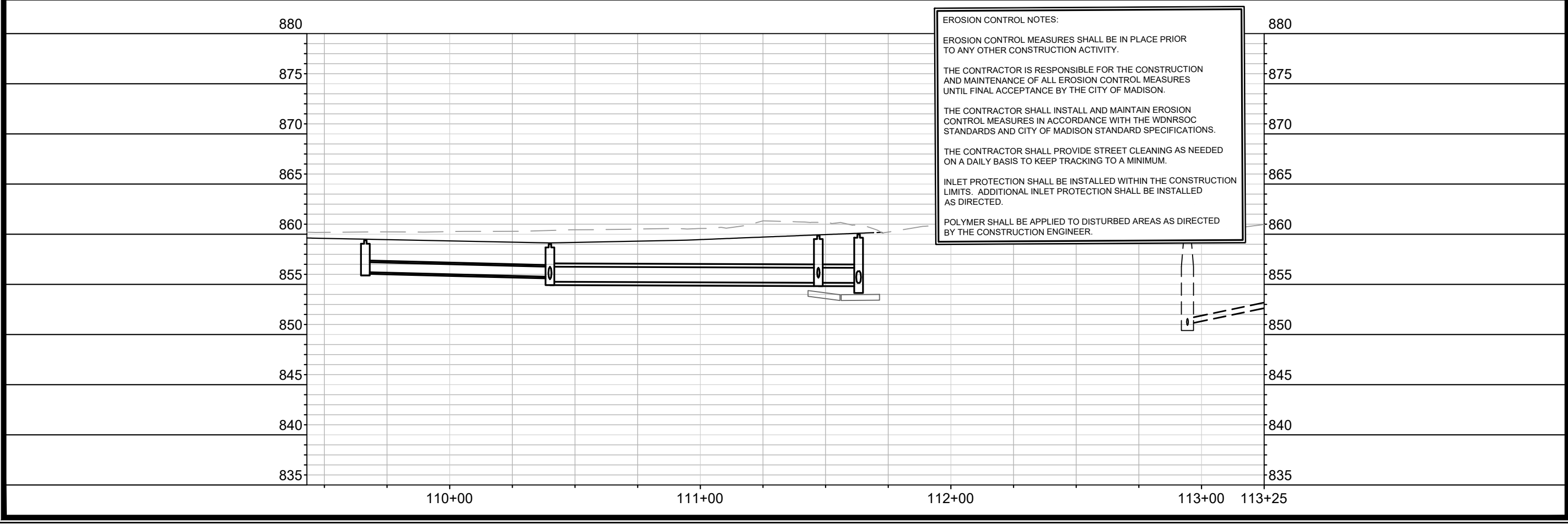
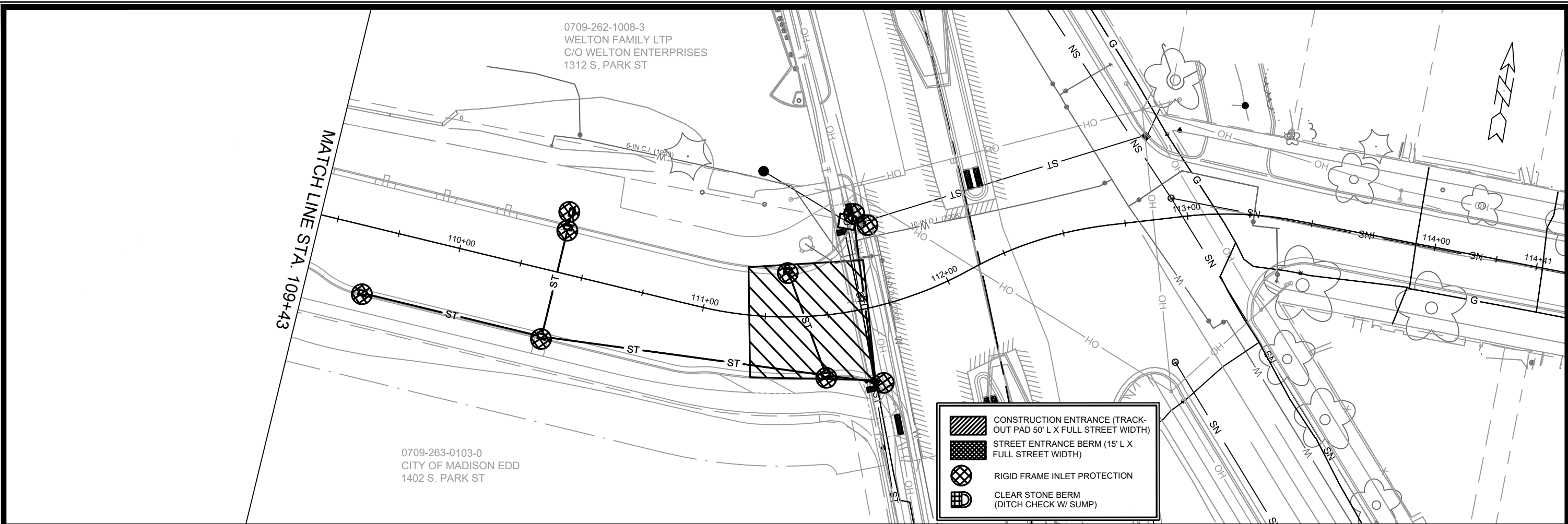
MARK	REVISION	DATE	BY

11866
MADISON, WI
8504
CONTRACT NO:

EROSION CONTROL - CEDAR ST
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
EC-7



EROSION CONTROL NOTES:

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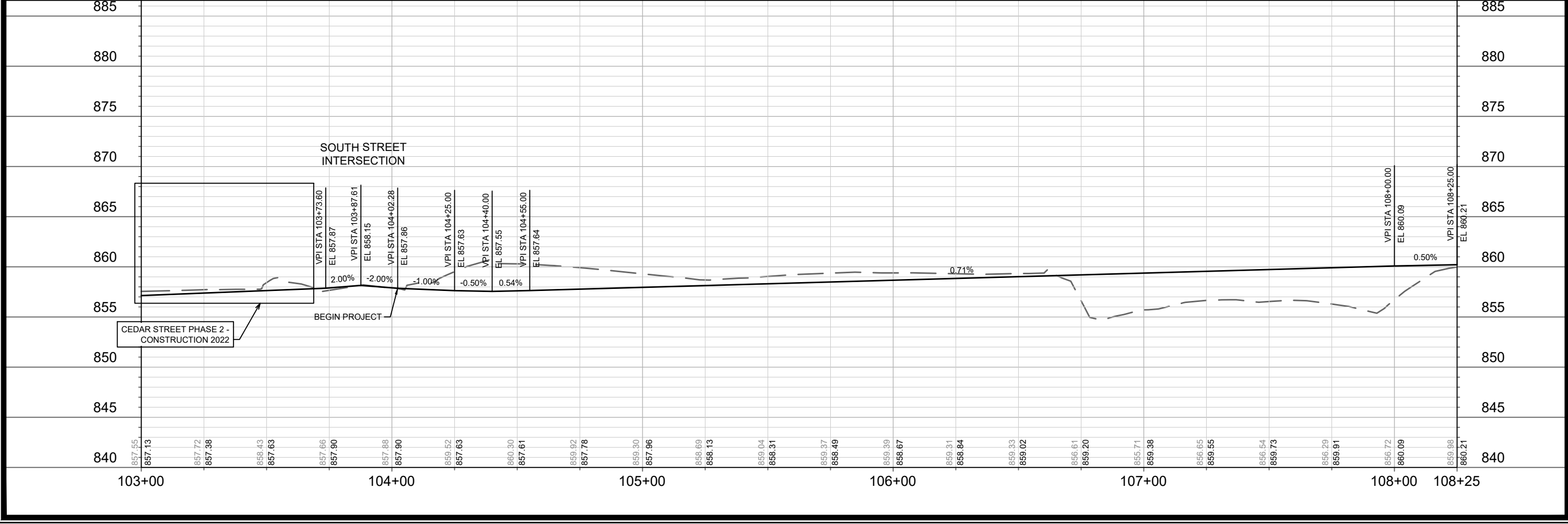
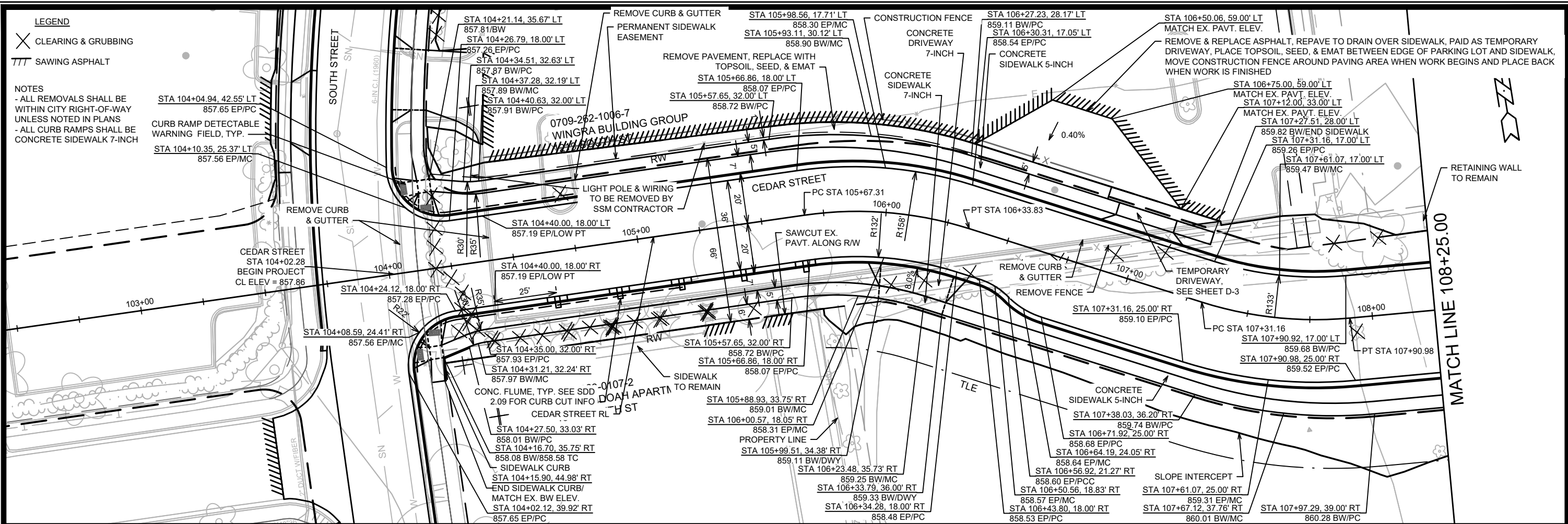
MARK	REVISION	DATE	BY

11866
MADISON, WI
CONTRACT NO: 8504

EROSION CONTROL - CEDAR ST
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
EC-8

Designed By: ALZ
Date: 12/17/2020 5:00 PM
Scale: 1" = 40'
11866
EC-8



LEGEND
 ✕ CLEARING & GRUBBING
 TTT SAWING ASPHALT

NOTES
 - ALL REMOVALS SHALL BE WITHIN CITY RIGHT-OF-WAY UNLESS NOTED IN PLANS
 - ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH
 CURB RAMP DETECTABLE WARNING FIELD, TYP.

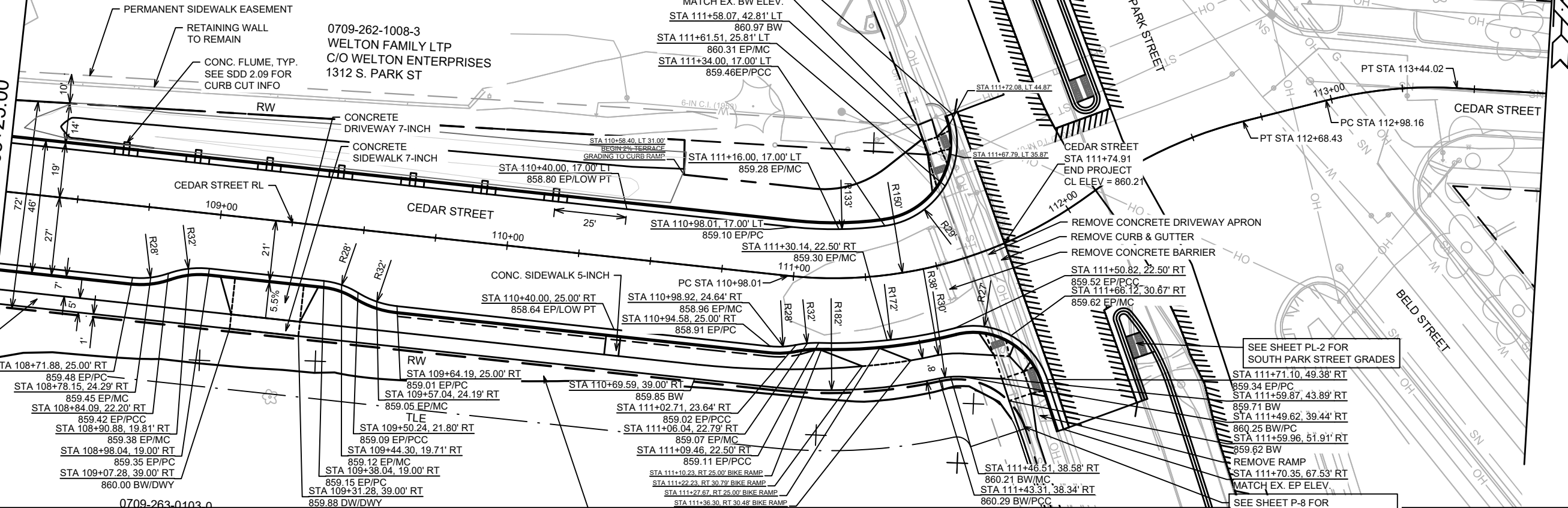
MARK	REVISION	DATE	BY

11866
 MADISON, WI
 8504
 CONTRACT NO:

CEAR STREET PLAN AND PROFILE
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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LEGEND
 ✕ CLEARING & GRUBBING
 |||| SAWING ASPHALT

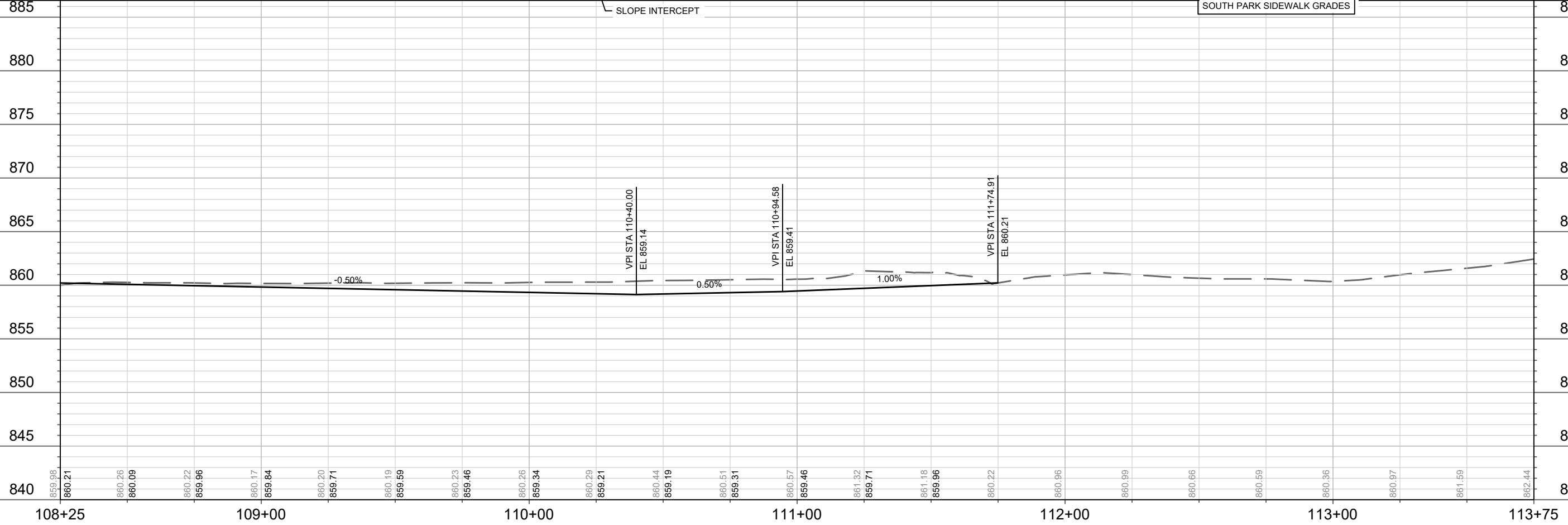
NOTES
 - ALL REMOVALS SHALL BE WITHIN CITY RIGHT-OF-WAY UNLESS NOTED IN PLANS
 - ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH



SEE SHEET PL-2 FOR SOUTH PARK STREET GRADES

SEE SHEET PL-2 FOR SOUTH PARK STREET GRADES

SEE SHEET P-8 FOR SOUTH PARK SIDEWALK GRADES



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REVISION	
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Designed By: ALZ	Date: 12/18/2020 4:33 PM
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11866	P-2

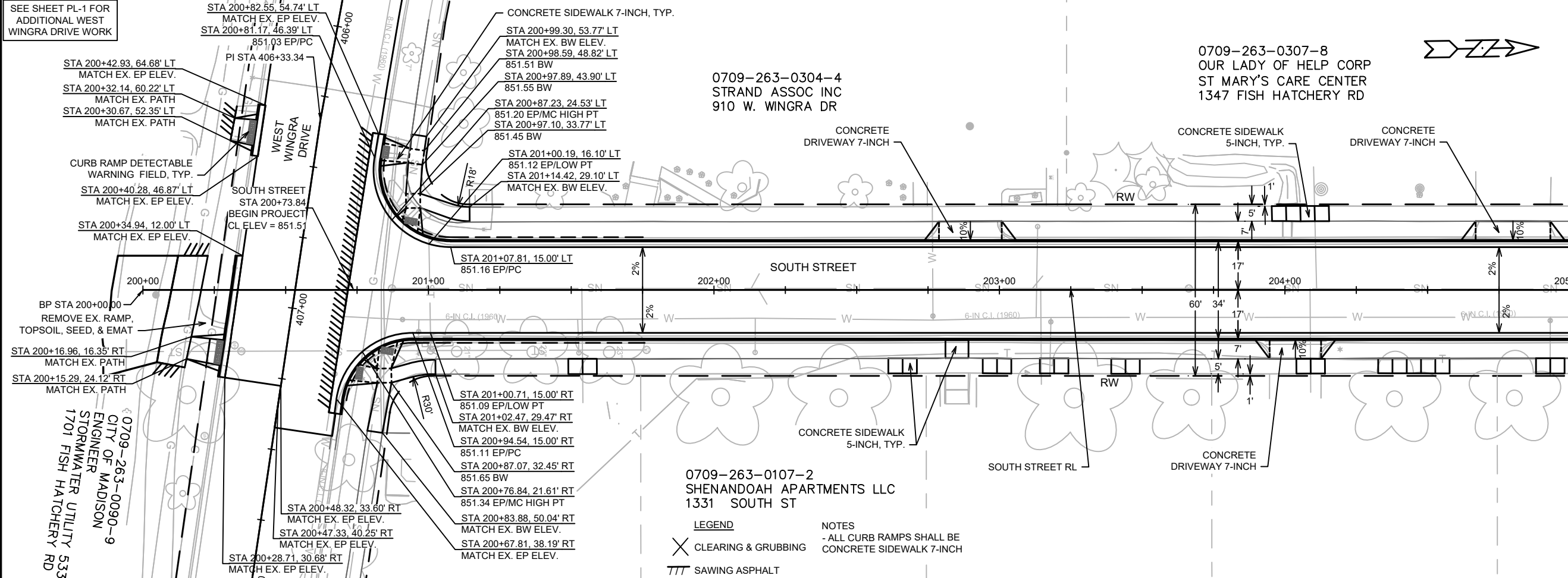
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 MADISON, WI
 8504
 CONTRACT NO:

CEDAR STREET PLAN AND PROFILE
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
 P-2

SEE SHEET PL-1 FOR
ADDITIONAL WEST
WINGRA DRIVE WORK

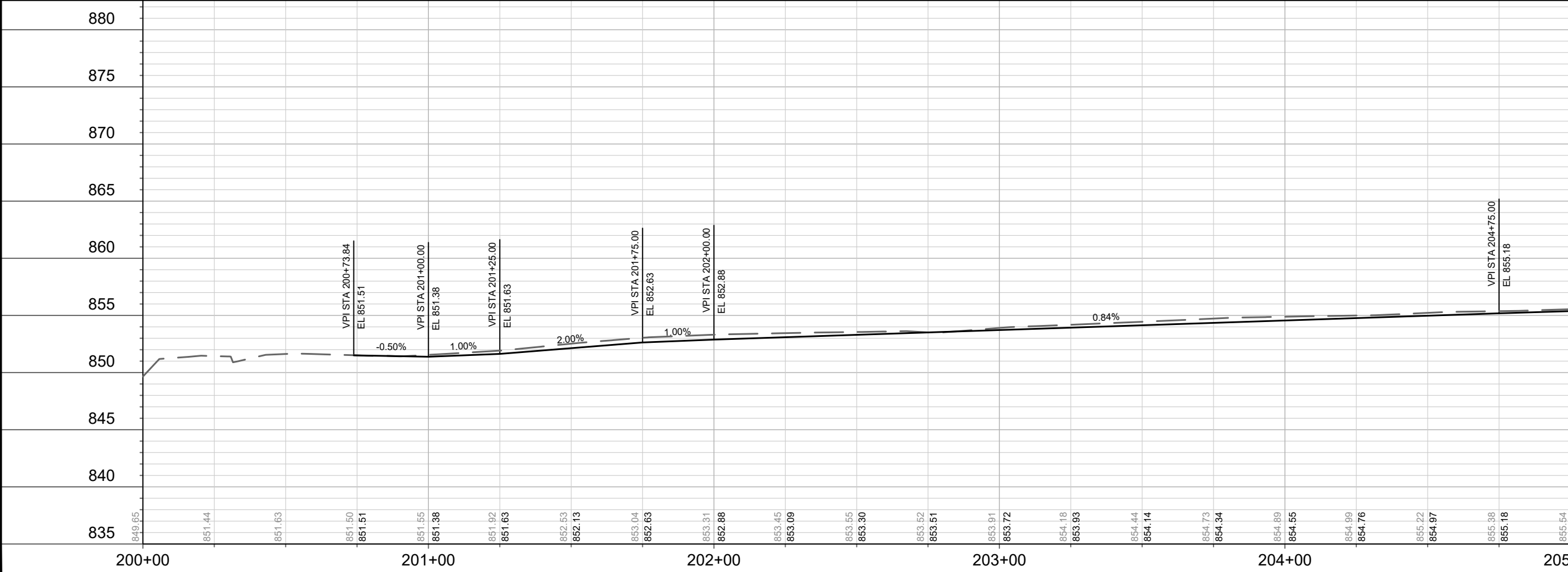


0709-263-0304-4
STRAND ASSOC INC
910 W. WINGRA DR

0709-263-0307-8
OUR LADY OF HELP CORP
ST MARY'S CARE CENTER
1347 FISH HATCHERY RD

0709-263-0107-2
SHENANDOAH APARTMENTS LLC
1331 SOUTH ST

- LEGEND**
- X CLEARING & GRUBBING
 - /// SAWING ASPHALT
- NOTES**
- ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH



MATCH LINE 205+00.00

DATE	BY
REVISION	
MARK	
Designed By: ALZ	Date: 12/17/2020 4:16 PM
12956	P-3

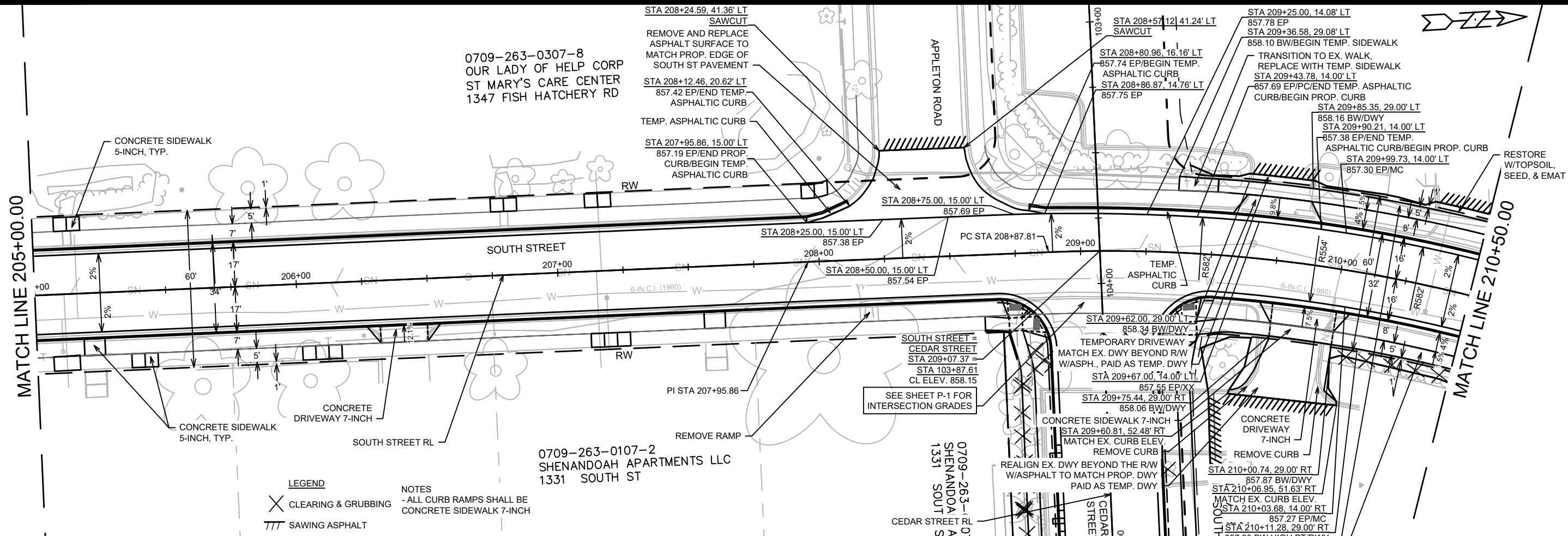
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MADISON, WI
8504
CONTRACT NO:

SOUTH STREET PLAN AND PROFILE
SOUTH STREET (W. WINGRA DRIVE TO MIDLAND STREET)



12956
P-3

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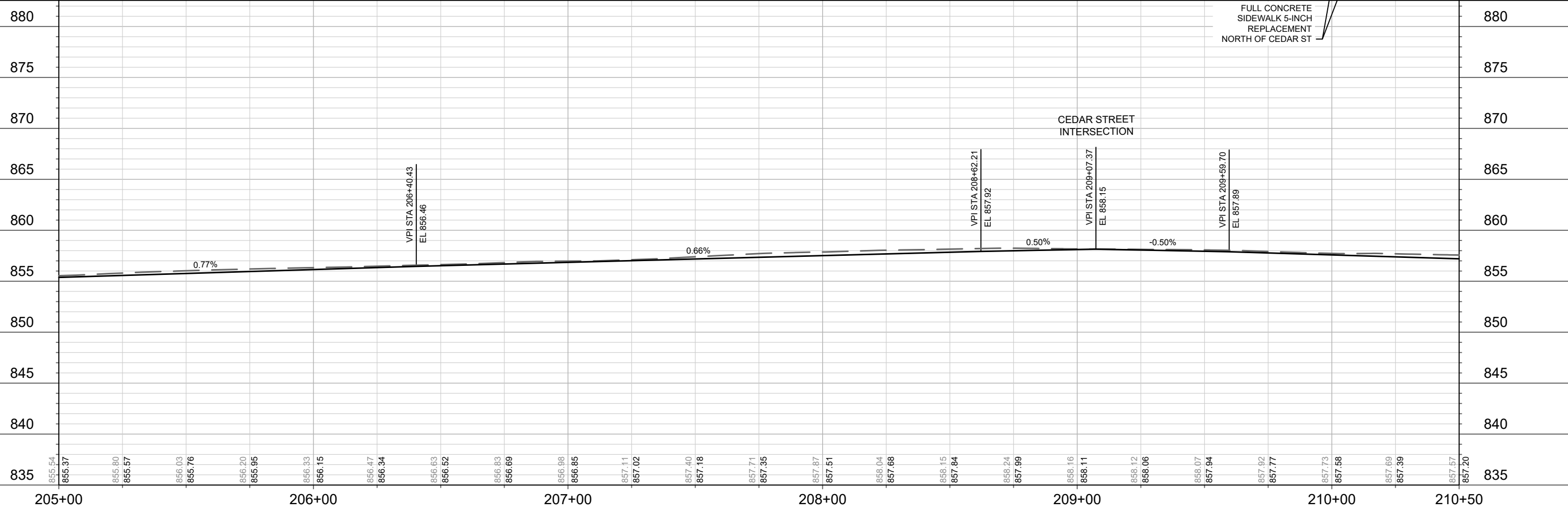


0709-263-0307-8
OUR LADY OF HELP CORP
ST MARY'S CARE CENTER
1347 FISH HATCHERY RD

0709-263-0107-2
SHENANDOAH APARTMENTS LLC
1331 SOUTH ST

LEGEND
X CLEARING & GRUBBING
/// SAWING ASPHALT

NOTES
- ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH

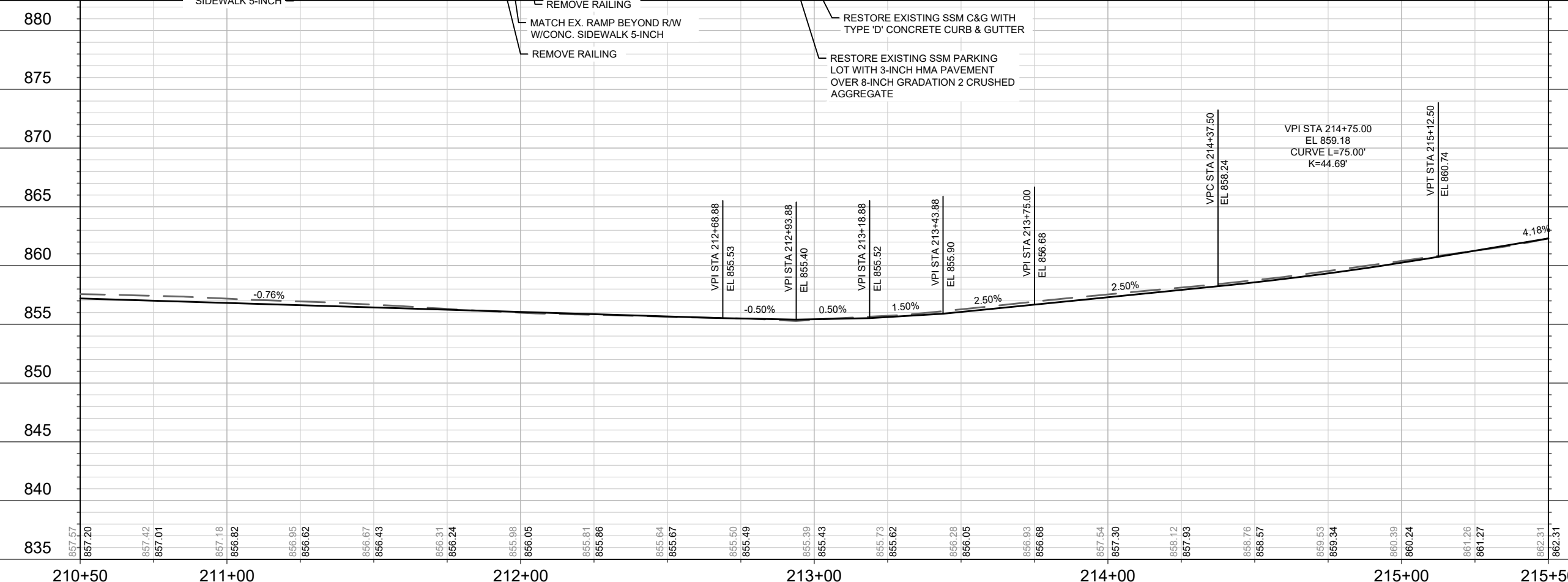
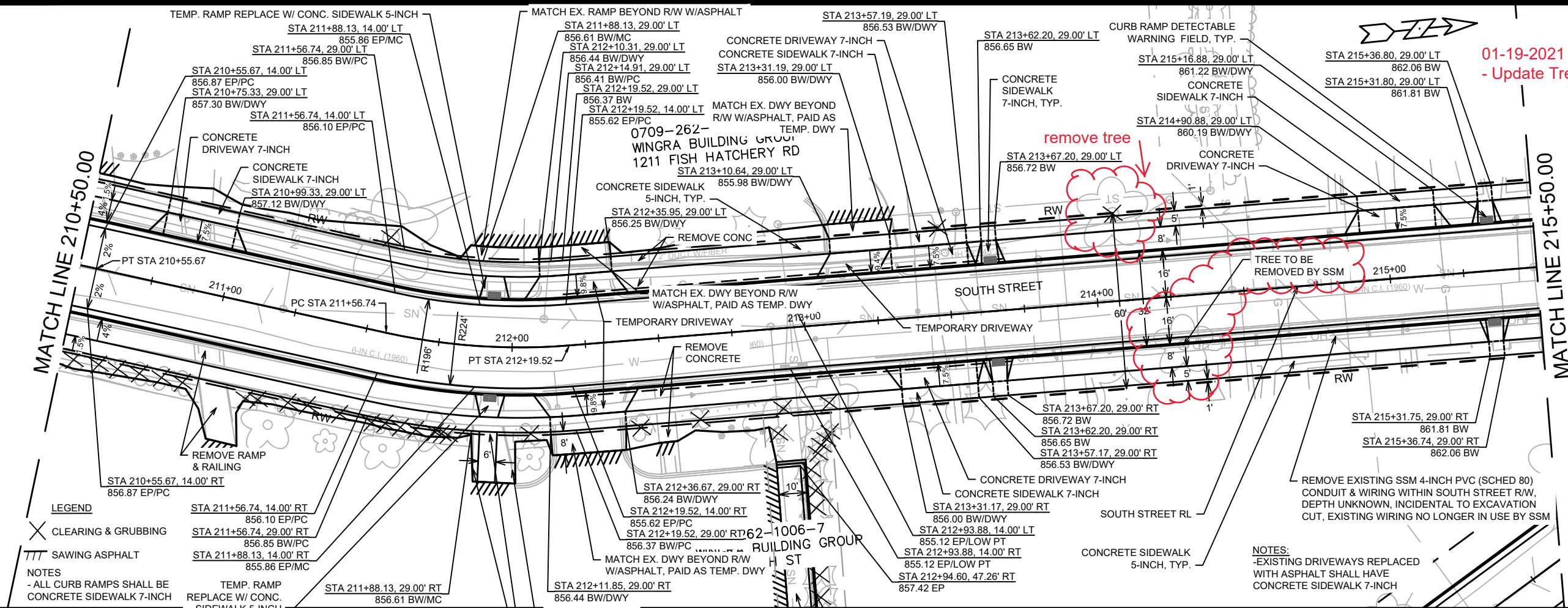


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12956
MADISON, WI
8504
CONTRACT NO:

SOUTH STREET PLAN AND PROFILE
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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01-19-2021 Addenda 1 AJZ
 - Update Tree Removal Information



LEGEND
 X CLEARING & GRUBBING
 SAWING ASPHALT
NOTES
 - ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH

TEMP. RAMP REPLACE W/ CONC. SIDEWALK 5-INCH
 STA 211+56.74, 14.00' RT 856.10 EP/PC
 STA 211+56.74, 29.00' RT 856.85 BW/PC
 STA 211+88.13, 14.00' RT 855.86 EP/MC

TEMP. RAMP REPLACE W/ CONC. SIDEWALK 5-INCH
 STA 212+11.85, 29.00' RT 856.44 BW/DWY
 STA 212+19.52, 14.00' RT 855.62 EP/PC
 STA 212+19.52, 29.00' RT 856.37 BW/PC
 STA 212+35.95, 29.00' LT 856.25 BW/DWY

RESTORE EXISTING SSM C&G WITH TYPE 'D' CONCRETE CURB & GUTTER
 RESTORE EXISTING SSM PARKING LOT WITH 3-INCH HMA PAVEMENT OVER 8-INCH GRADATION 2 CRUSHED AGGREGATE

NOTES:
 -EXISTING DRIVEWAYS REPLACED WITH ASPHALT SHALL HAVE CONCRETE SIDEWALK 7-INCH
 REMOVE EXISTING SSM 4-INCH PVC (SCHED 80) CONDUIT & WIRING WITHIN SOUTH STREET R/W, DEPTH UNKNOWN, INCIDENTAL TO EXCAVATION CUT, EXISTING WIRING NO LONGER IN USE BY SSM

12956	DATE	BY
12956	REVISION	DATE
12956	DESIGNED BY: AJZ	DATE: 1/13/2021 9:06 AM
12956	MARK	SCALE: 1" = 40'
12956	CONTRACT NO:	P-5

SOUTH STREET PLAN AND PROFILE

CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT

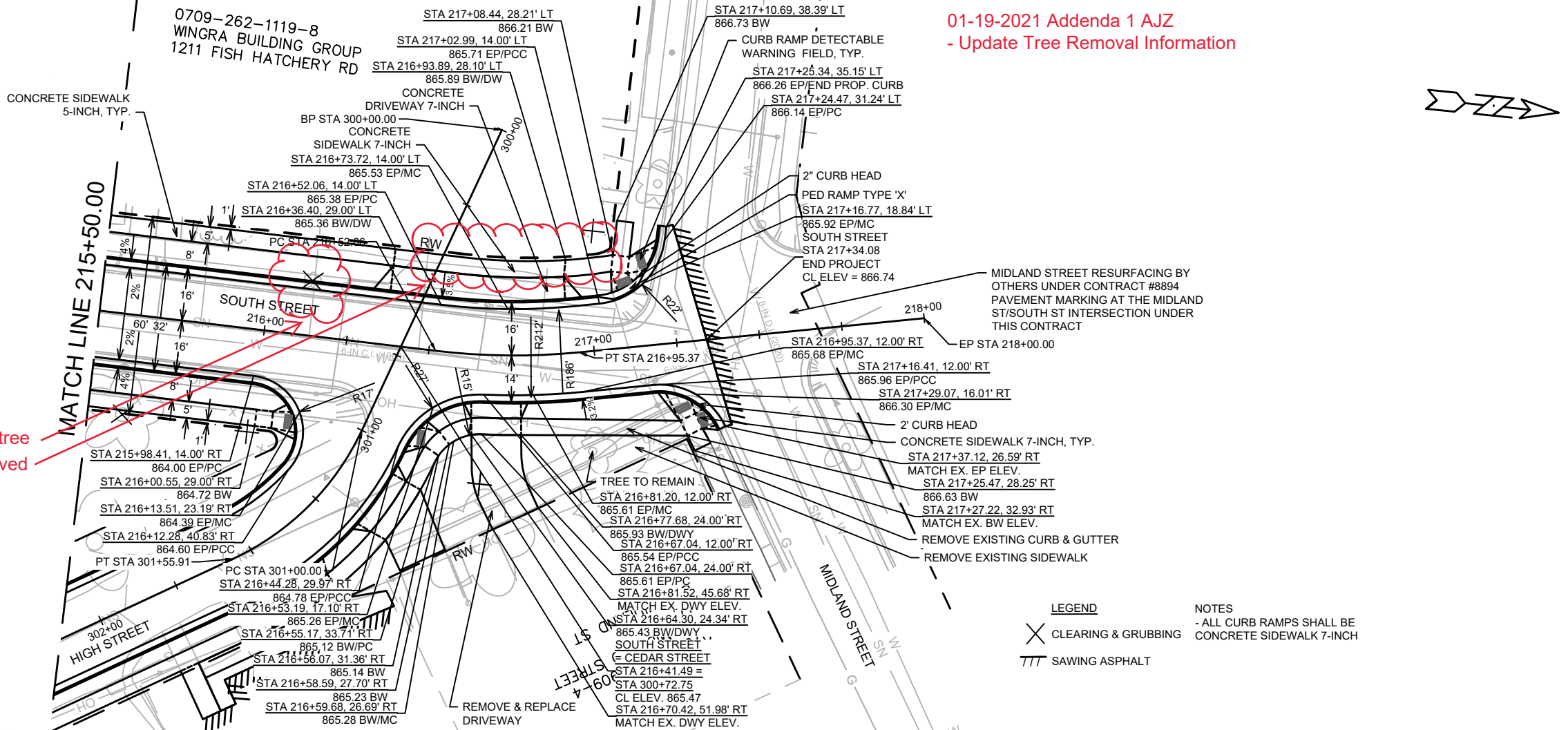
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MADISON, WI

CONTRACT NO: 8504

12956

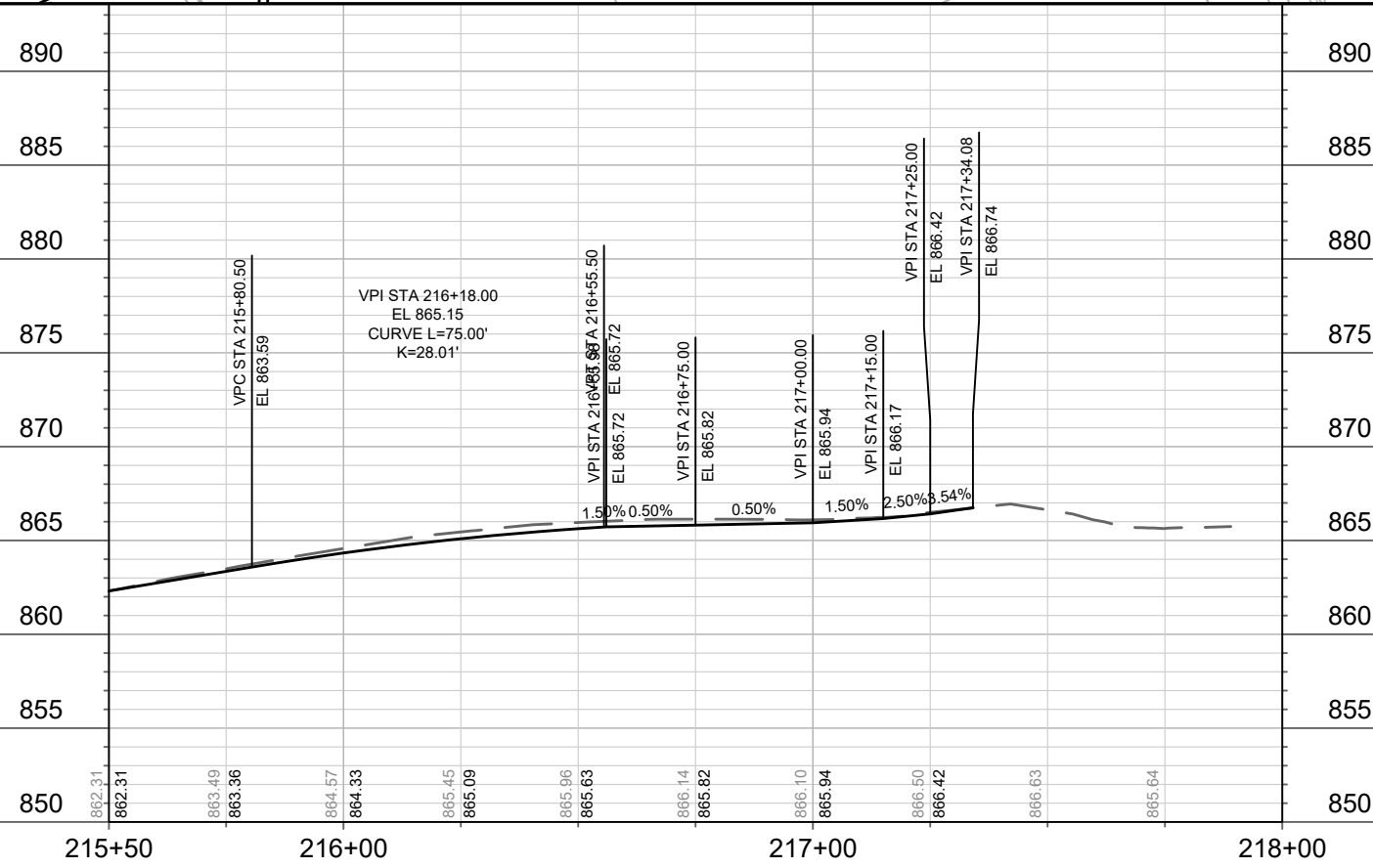
P-5



01-19-2021 Addenda 1 AJZ
 - Update Tree Removal Information

remove tree
 trees already removed
 by SSM

- LEGEND**
- X CLEARING & GRUBBING
 - /// SAWING ASPHALT
- NOTES**
- ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH



0709-262-1119-8
 WINGRA BLDG GROUP

MARK	REVISION	DATE	BY

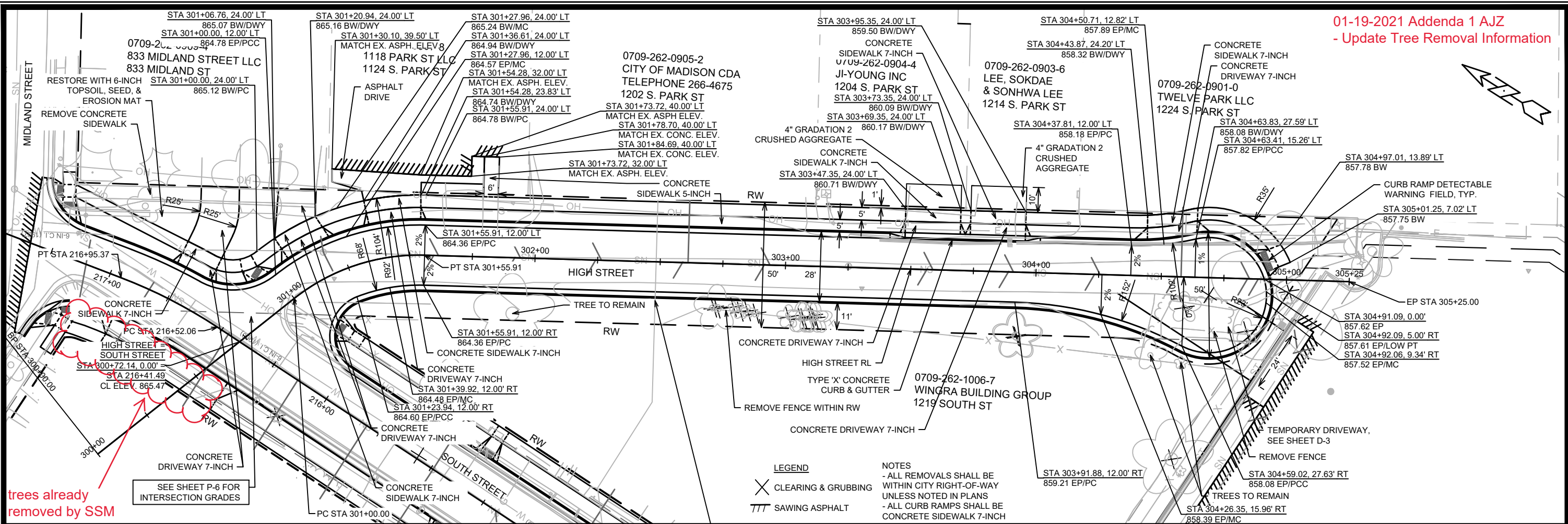
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12956
 MADISON, WI
 CONTRACT NO.: 8504

SOUTH STREET PLAN AND PROFILE
 SOUTH STREET (W. WINGRA DRIVE TO MIDLAND STREET)
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01-19-2021 Addenda 1 AJZ
 - Update Tree Removal Information

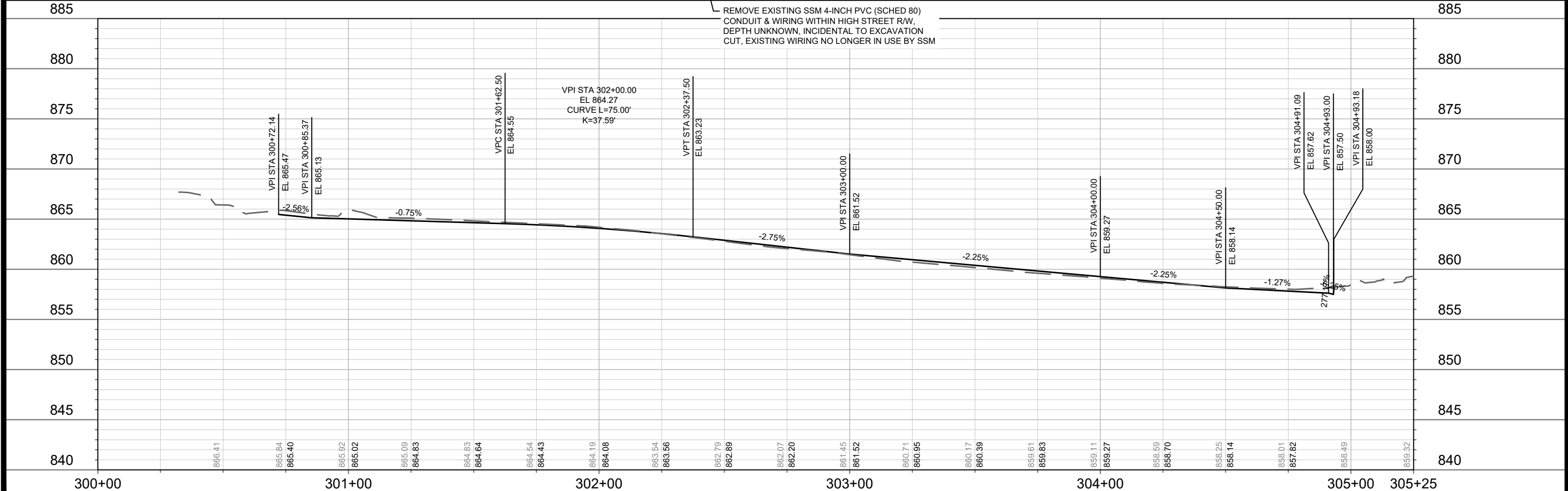


trees already removed by SSM

LEGEND
 X CLEARING & GRUBBING
 TTT SAWING ASPHALT

NOTES
 - ALL REMOVALS SHALL BE WITHIN CITY RIGHT-OF-WAY UNLESS NOTED IN PLANS
 - ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH

REMOVE EXISTING SSM 4-INCH PVC (SCHED 80) CONDUIT & WIRING WITHIN HIGH STREET R/W. DEPTH UNKNOWN, INCIDENTAL TO EXCAVATION CUT, EXISTING WIRING NO LONGER IN USE BY SSM



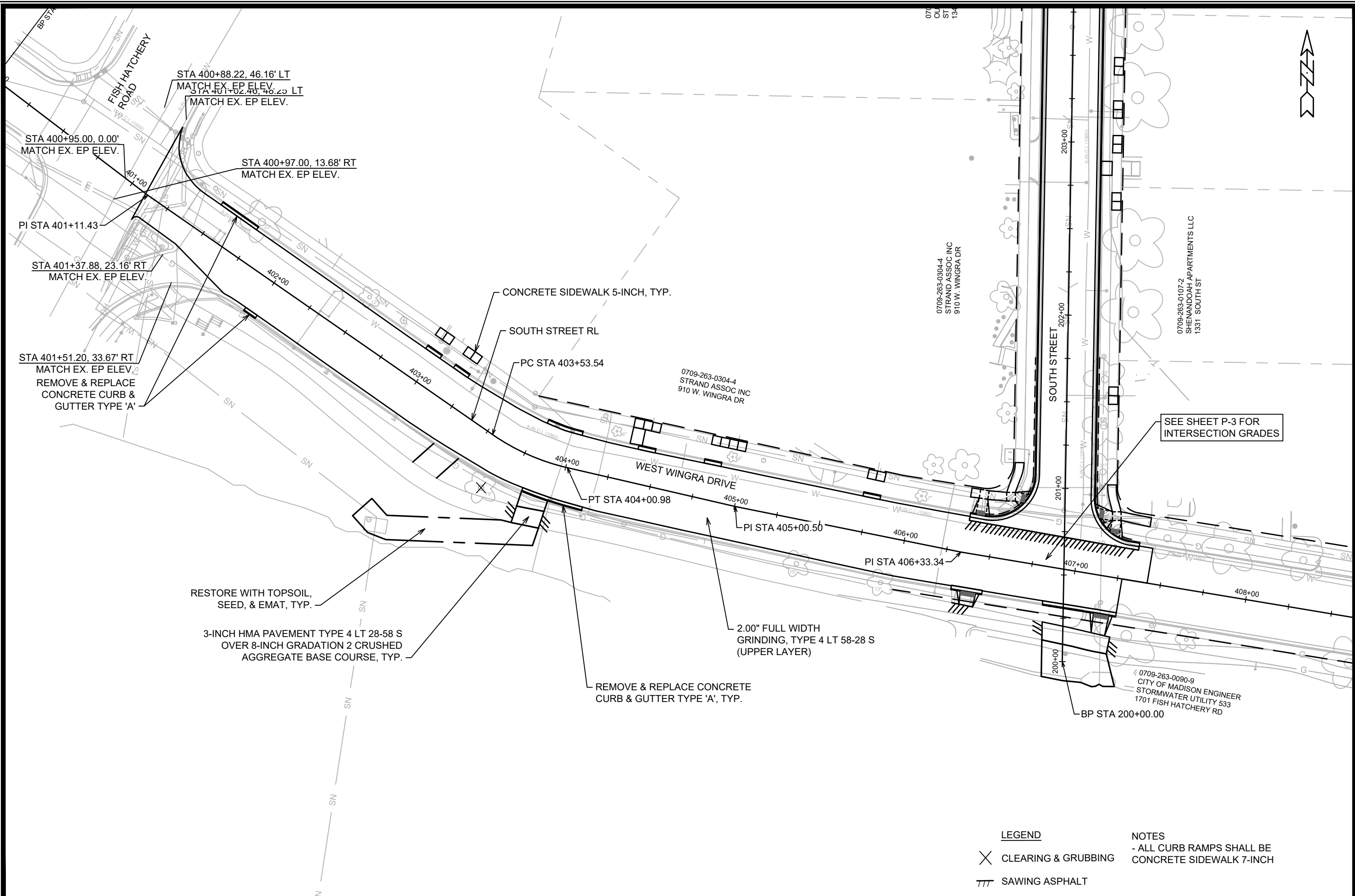
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DESIGNED BY: AJZ	DATE: 1/13/2021 9:07 AM
12956	
P-7	

12956
 MADISON, WI
 8504
 CONTRACT NO:

HIGH STREET PLAN AND PROFILE
 HIGH STREET (SOUTH STREET TO CUL-DE-SAC)
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12956
 P-7



LEGEND

X	CLEARING & GRUBBING
///	SAWING ASPHALT

NOTES

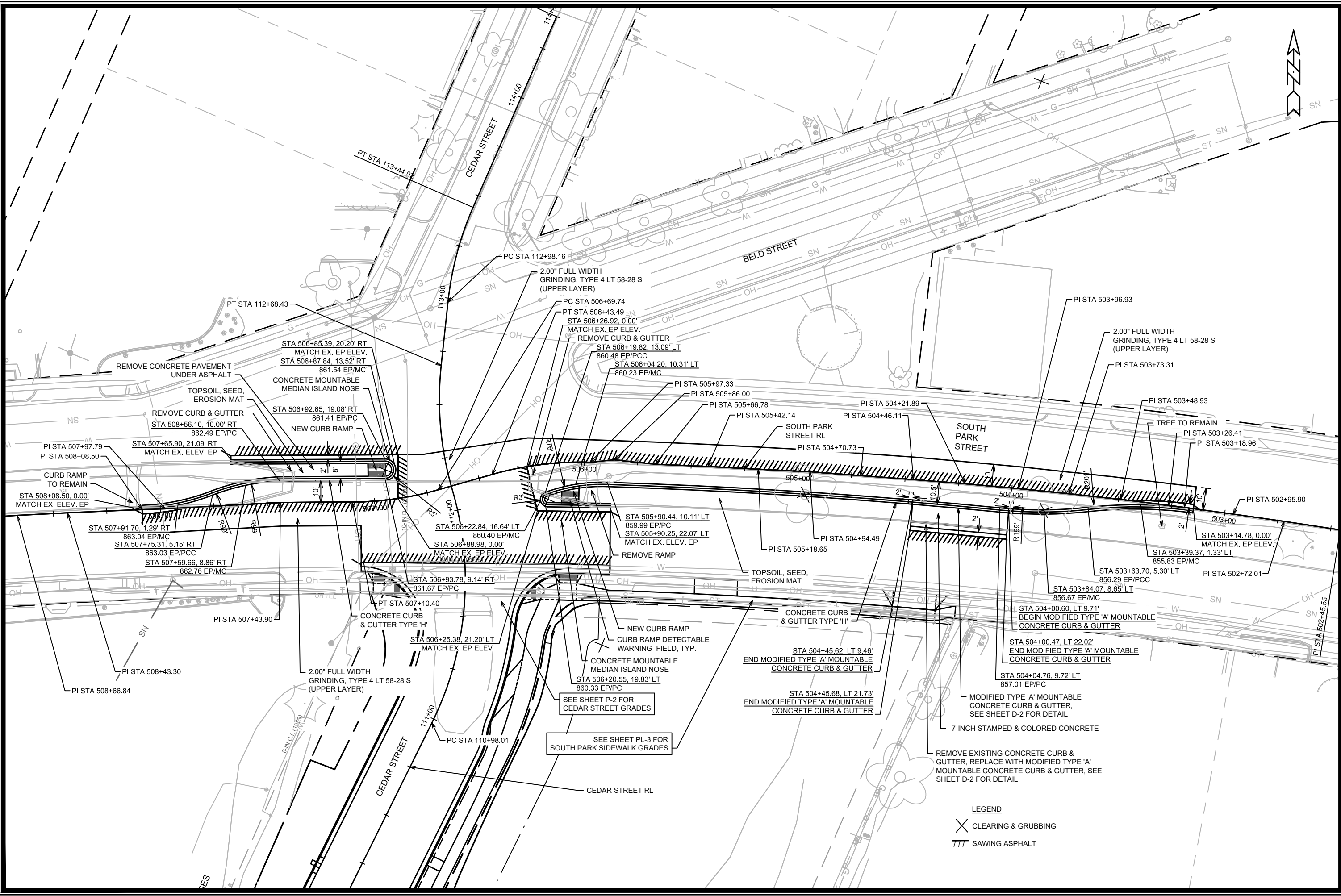
- ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH

MARK	REVISION	DATE	BY

12956
 MADISON, WI
 CONTRACT NO: 8504
 WEST WINGRA DR PLAN DETAIL
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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12956
 PL-1

Designed By: ALZ
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 12956
 PL-1



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Designed By: ALZ	Scale: #####		

11866
 MADISON, WI
 CONTRACT NO: 8504
 SOUTH PARK STREET PLAN DETAIL
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
 PL-2



LEGEND
 ✕ CLEARING & GRUBBING
 // SAWING ASPHALT

0709-262-1008-3
WELTON FAMILY LTP
C/O WELTON ENTERPRISES
1312 S. PARK ST

SEE SHEET PL-2 FOR
SOUTH PARK STREET MEDIAN GRADES

SEE SHEET P-2 FOR
CEDAR STREET GRADES

SEE SHEET PL-2 FOR
SOUTH PARK STREET MEDIAN GRADES

STA 603+06.48, 12.26' LT
859.62 BW

STA 602+91.38, 12.03' LT
859.79 PC/BW

STA 602+51.33, 12.08' LT
859.17 BW

STA 602+31.35, 12.24' LT
858.91 BW

STA 602+14.87, 12.29' LT
858.67 BW/MC

STA 601+58.35, 12.35' LT
857.76 BW/DWY

STA 601+38.32, 12.28' LT
857.39 BW/PC/DWY

STA 601+28.97, 9.71' LT
MATCH EX. BW ELEV

BUS PAD - CONCRETE SIDEWALK 7-INCH

CONCRETE SIDEWALK 5-INCH

EX. CURB & GUTTER TO REMAIN

SOUTH PARK STREET TOP OF CURB RL

CONCRETE DRIVEWAY 7-INCH

EX. CURB CUT TO REMAIN

CONCRETE SIDEWALK 7-INCH

LEGEND
X CLEARING & GRUBBING
/// SAWING ASPHALT

NOTES
- ALL REMOVALS SHALL BE WITHIN CITY RIGHT-OF-WAY
- ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH

MARK	REVISION	DATE	BY
11866			
Designed By: ALZ	Date: 12/18/2020 4:33 PM	Scale: #####	PL-3

11866
MADISON, WI
CONTRACT NO: 8504

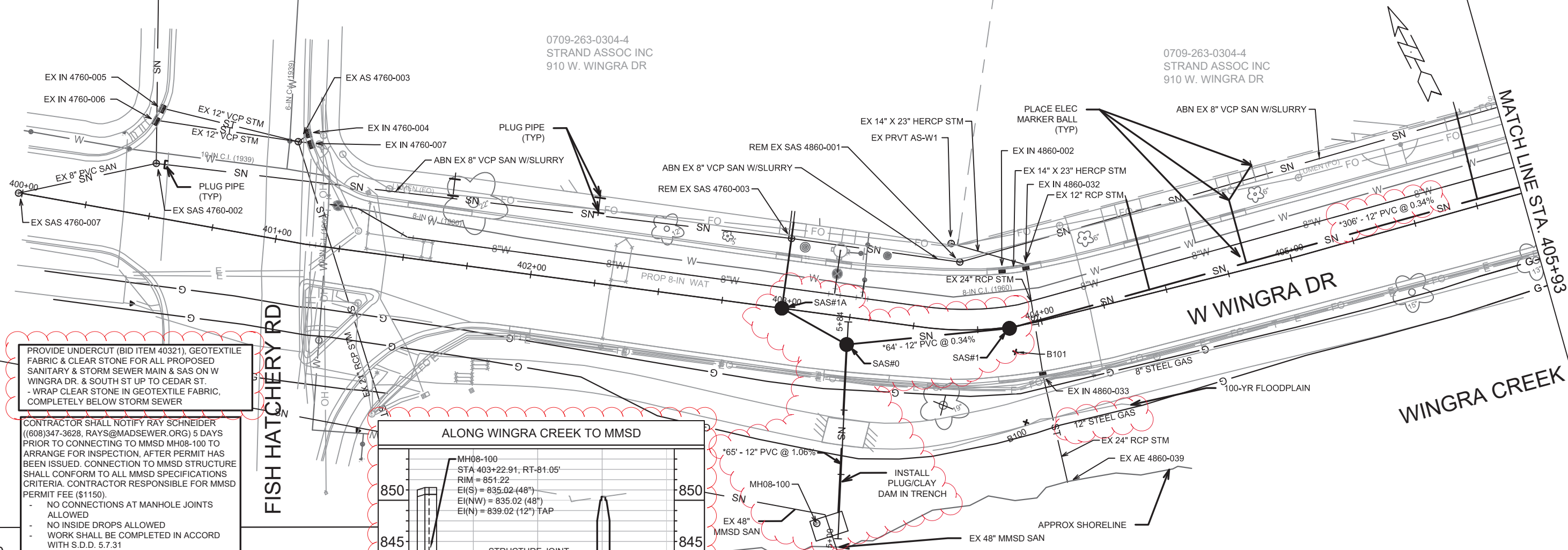
SOUTH PARK STREET SIDEWALK DETAIL
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
PL-3

0709-263-0304-4
STRAND ASSOC INC
910 W. WINGRA DR

0709-263-0304-4
STRAND ASSOC INC
910 W. WINGRA DR

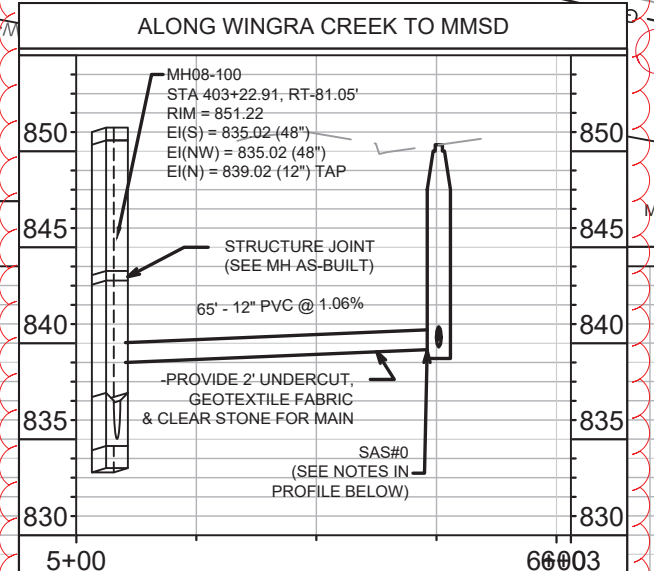


PROVIDE UNDERCUT (BID ITEM 40321), GEOTEXTILE FABRIC & CLEAR STONE FOR ALL PROPOSED SANITARY & STORM SEWER MAIN & SAS ON W WINGRA DR. & SOUTH ST UP TO CEDAR ST.
- WRAP CLEAR STONE IN GEOTEXTILE FABRIC, COMPLETELY BELOW STORM SEWER

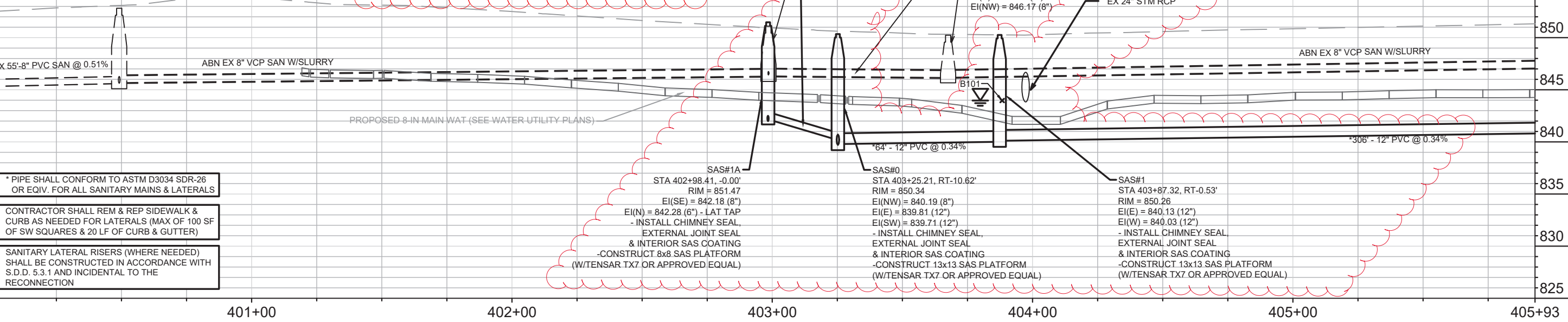
CONTRACTOR SHALL NOTIFY RAY SCHNEIDER ((608)347-3628, RAYS@MADSEWER.ORG) 5 DAYS PRIOR TO CONNECTING TO MMSD MH08-100 TO ARRANGE FOR INSPECTION. AFTER PERMIT HAS BEEN ISSUED. CONNECTION TO MMSD STRUCTURE SHALL CONFORM TO ALL MMSD SPECIFICATIONS CRITERIA. CONTRACTOR RESPONSIBLE FOR MMSD PERMIT FEE (\$1150).
- NO CONNECTIONS AT MANHOLE JOINTS ALLOWED
- NO INSIDE DROPS ALLOWED
- WORK SHALL BE COMPLETED IN ACCORD WITH S.D.D. 5.7.31

DUE TO PROXIMITY TO CREEK AND HIGH GROUNDWATER TABLE, POINT WELLS ARE EXPECTED PAYABLE UNDER BID ITEM 50202 TYPE II DEWATERING

TIGHT SHEETING IF NEEDED SHALL BE PAYABLE UNDER BID ITEM 90030 STORM CONTROL



EX SAS 4760-002
STA 400+49.14, LT-20.63'
RIM = 852.82
EI(SE) = 845.68 (8")
EI(W) = 845.60 (8")
EI(NE) = 845.62 (8")



* PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR ALL SANITARY MAINS & LATERALS

CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX OF 100 SF OF SW SQUARES & 20 LF OF CURB & GUTTER)

SANITARY LATERAL RISERS (WHERE NEEDED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH S.D.D. 5.3.1 AND INCIDENTAL TO THE RECONNECTION

SAS#1A
STA 402+98.41, -0.00'
RIM = 851.47
EI(SE) = 842.18 (8")
EI(N) = 842.28 (6") - LAT TAP
- INSTALL CHIMNEY SEAL, EXTERNAL JOINT SEAL & INTERIOR SAS COATING
- CONSTRUCT 8x8 SAS PLATFORM (W/TENSAR TX7 OR APPROVED EQUAL)

SAS#0
STA 403+25.21, RT-10.62'
RIM = 850.34
EI(NW) = 840.19 (8")
EI(E) = 839.81 (12")
EI(SW) = 839.71 (12")
- INSTALL CHIMNEY SEAL, EXTERNAL JOINT SEAL & INTERIOR SAS COATING
- CONSTRUCT 13x13 SAS PLATFORM (W/TENSAR TX7 OR APPROVED EQUAL)

SAS#1
STA 403+87.32, RT-0.53'
RIM = 850.26
EI(E) = 840.13 (12")
EI(W) = 840.03 (12")
- INSTALL CHIMNEY SEAL, EXTERNAL JOINT SEAL & INTERIOR SAS COATING
- CONSTRUCT 13x13 SAS PLATFORM (W/TENSAR TX7 OR APPROVED EQUAL)

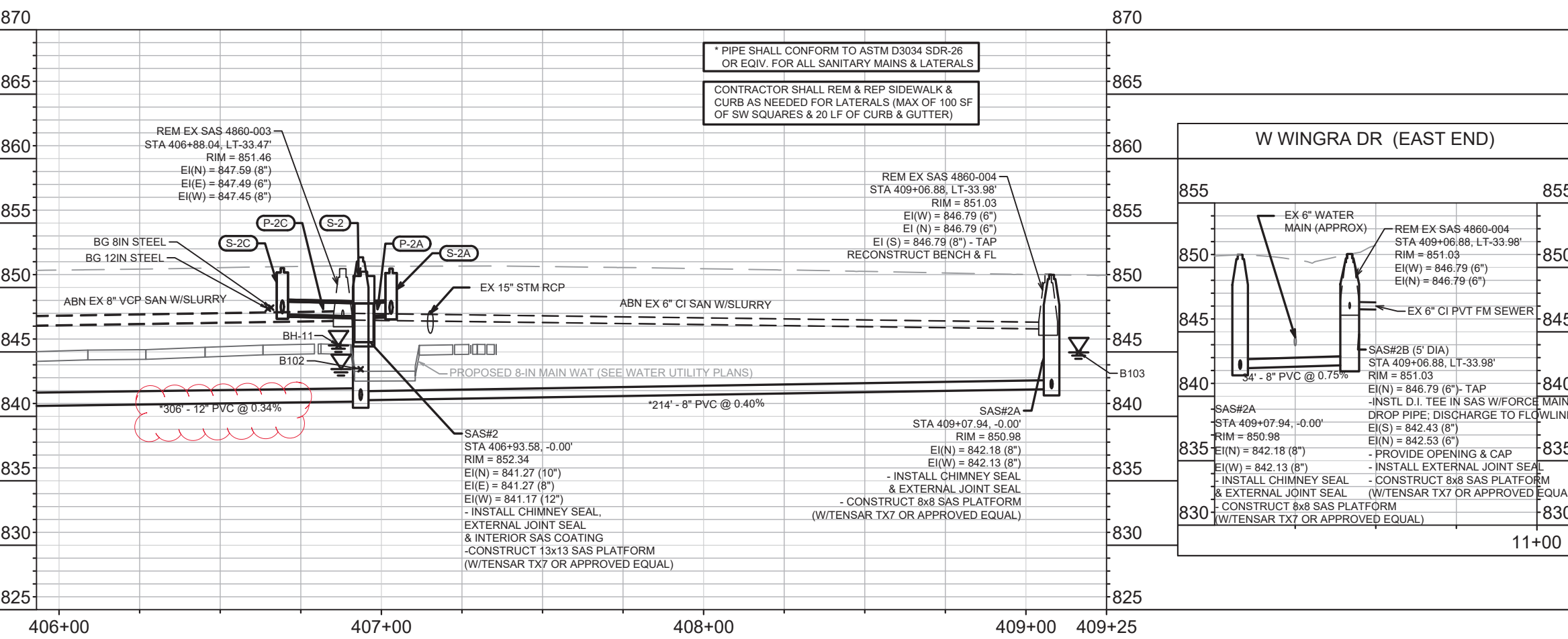
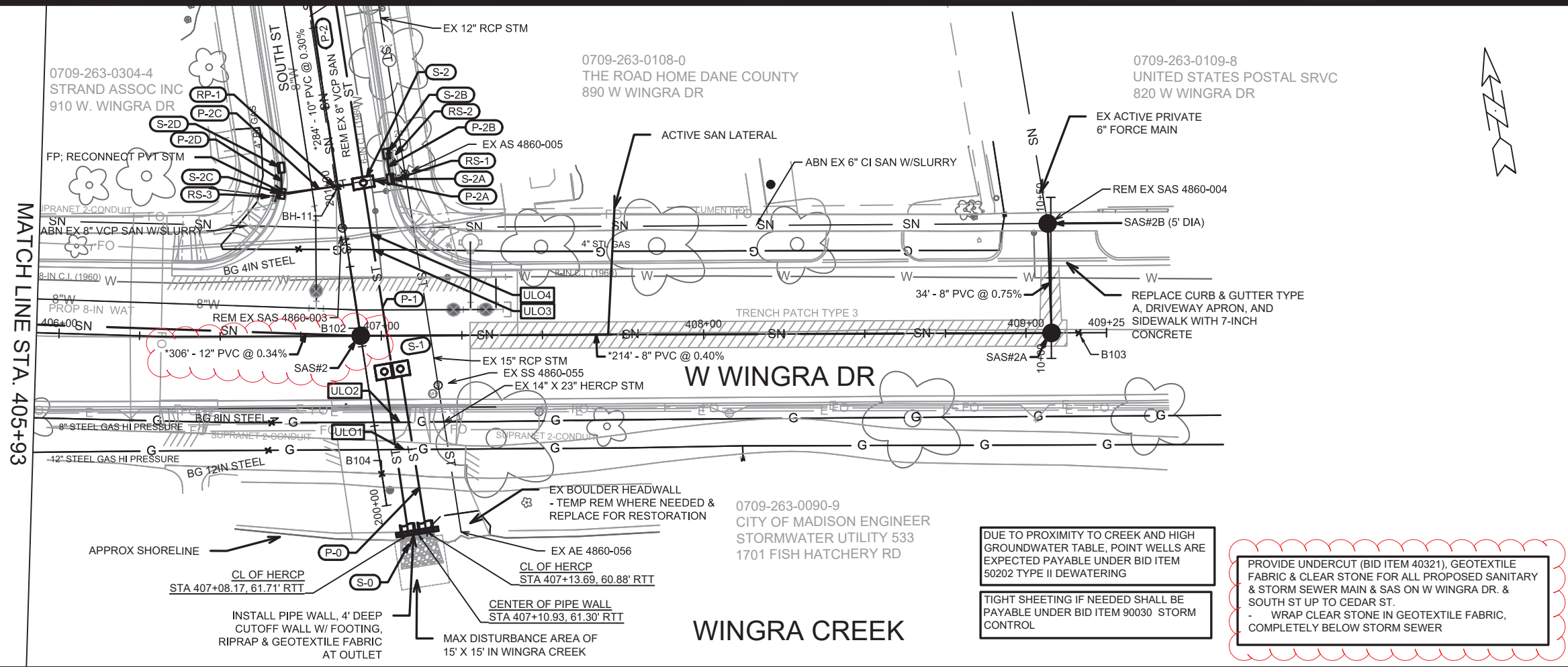
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REVISION 1	3/18/21	DAO	
ADDENDUM 1	1/19/21	DAO	
REVISION	DATE	BY	
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11866			

11866
MADISON, WI
CONTRACT NO.: 8504

UTILITY PLAN & PROFILE - W WINGRA DR
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
U-1



DUE TO PROXIMITY TO CREEK AND HIGH GROUNDWATER TABLE, POINT WELLS ARE EXPECTED PAYABLE UNDER BID ITEM 50202 TYPE II DEWATERING

TIGHT SHEETING IF NEEDED SHALL BE PAYABLE UNDER BID ITEM 90030 STORM CONTROL

PROVIDE UNDERCUT (BID ITEM 40321), GEOTEXTILE FABRIC & CLEAR STONE FOR ALL PROPOSED SANITARY & STORM SEWER MAIN & SAS ON W WINGRA DR. & SOUTH ST UP TO CEDAR ST.

WRAP CLEAR STONE IN GEOTEXTILE FABRIC, COMPLETELY BELOW STORM SEWER

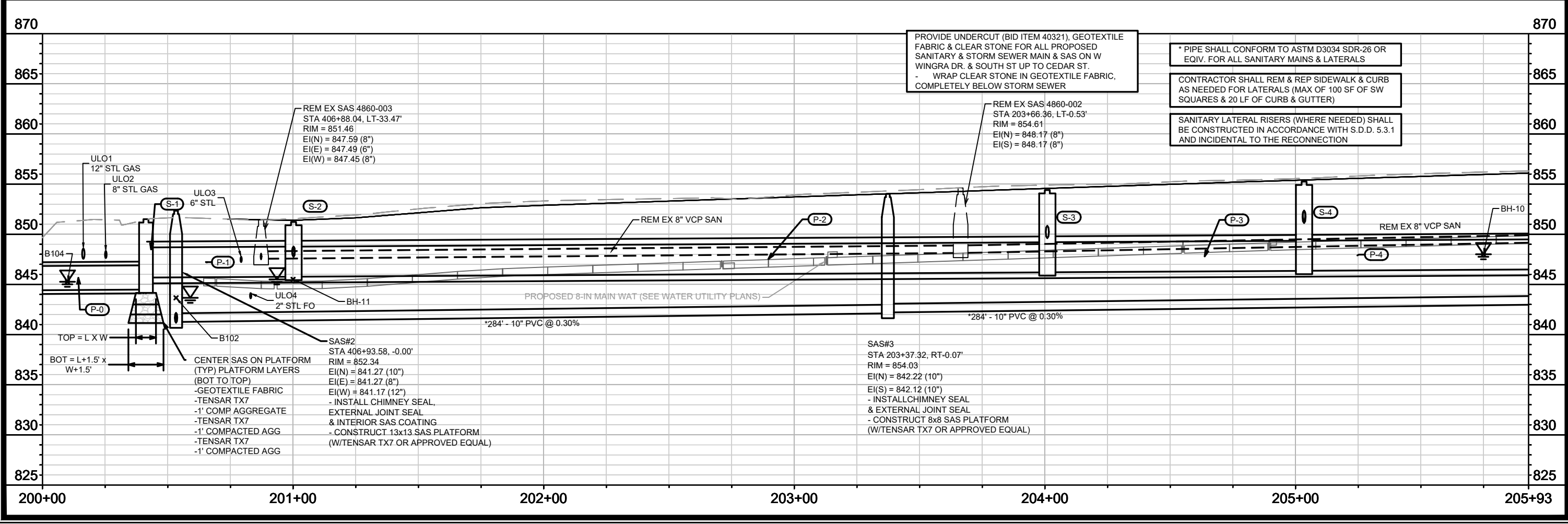
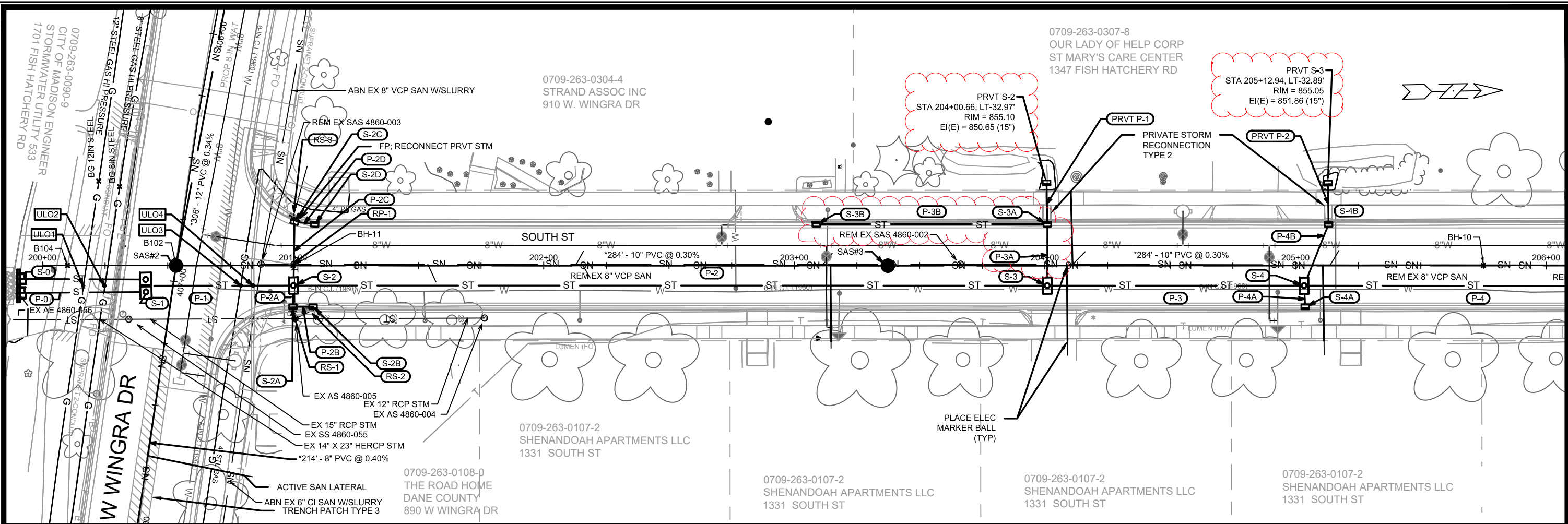
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ADDENDUM 1	1/19/21	DAO	
REVISION			
MARK			
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11866			

11866
MADISON, WI
CONTRACT NO.: 8504
U-2

UTILITY PLAN & PROFILE - W WINGRA DR
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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CITY OF MADISON WISCONSIN

11866
U-2

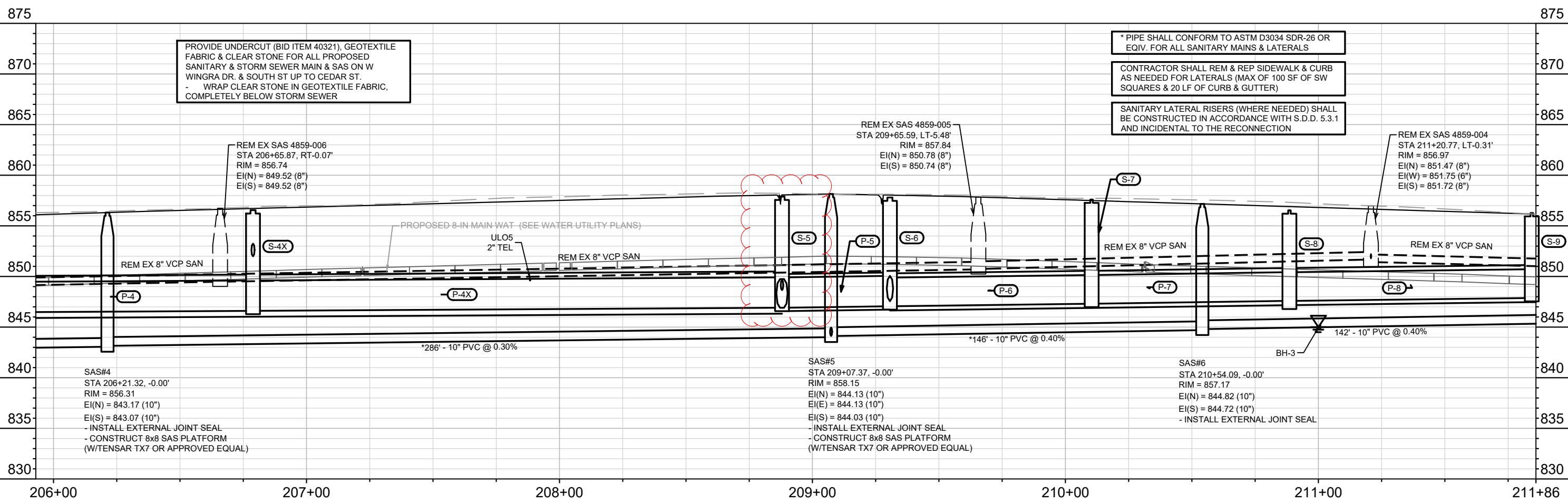
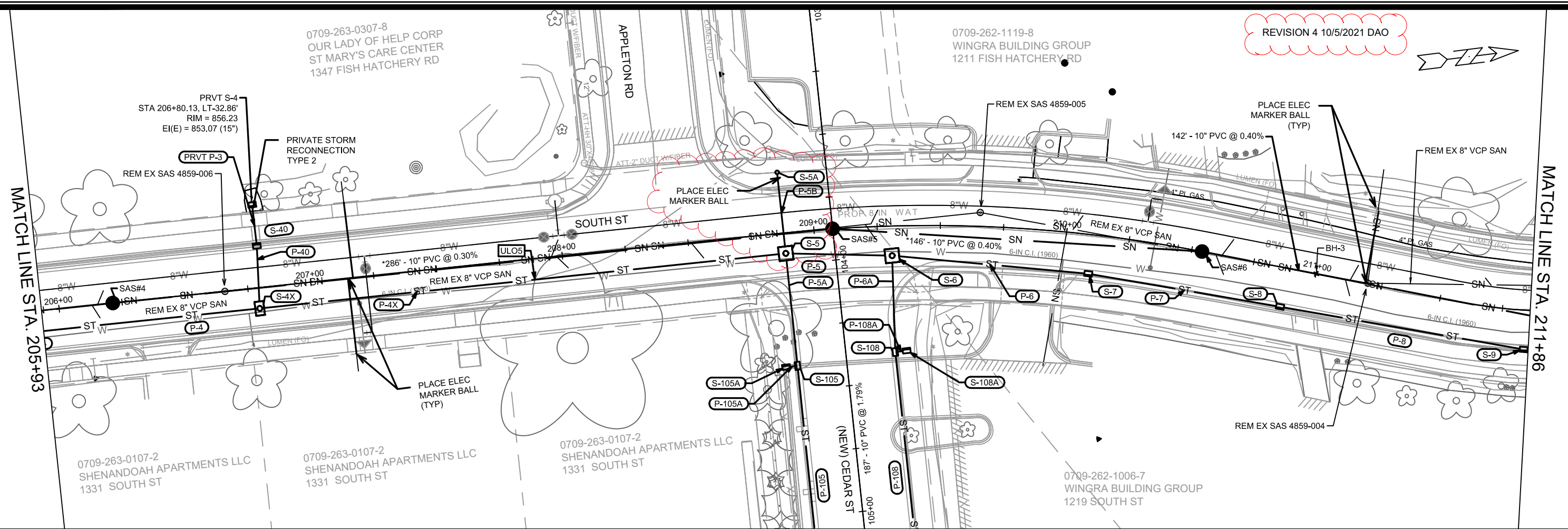


REVISION 3	6/21/21	DAO	U-3
REVISION 2	4/7/21	DAO	
REVISION 1	3/18/21	DAO	
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11866			U-3

11866
MADISON, WI
CONTRACT NO.: 8504

UTILITY PLAN & PROFILE - SOUTH ST
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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U-3

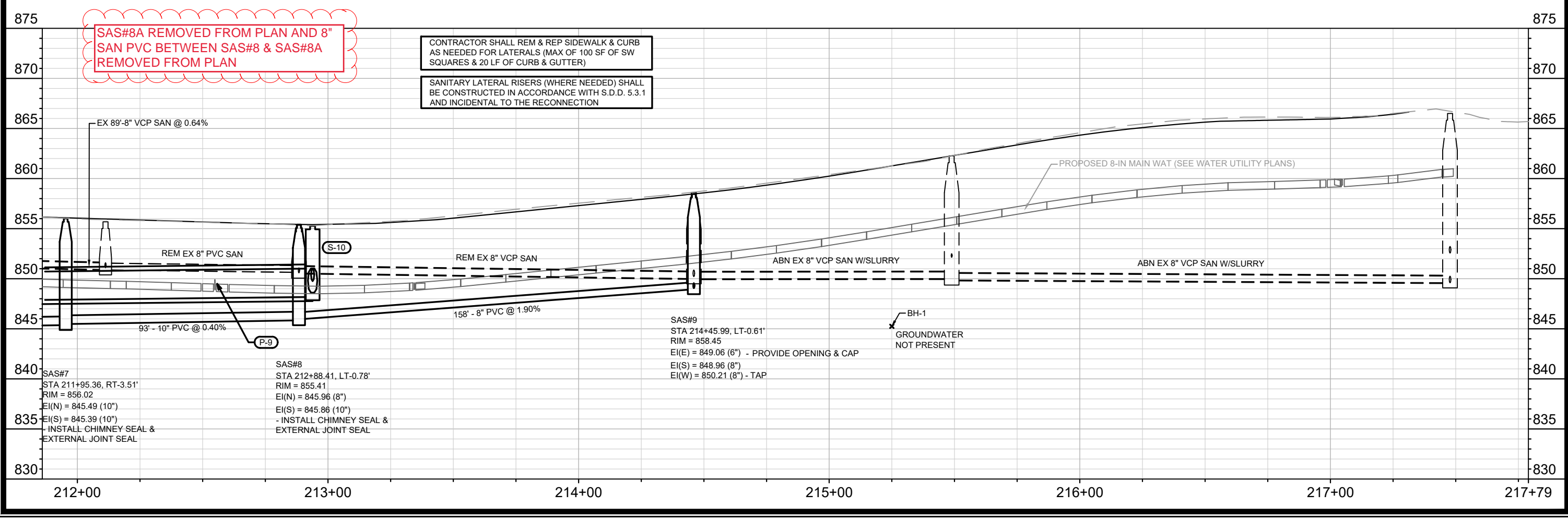
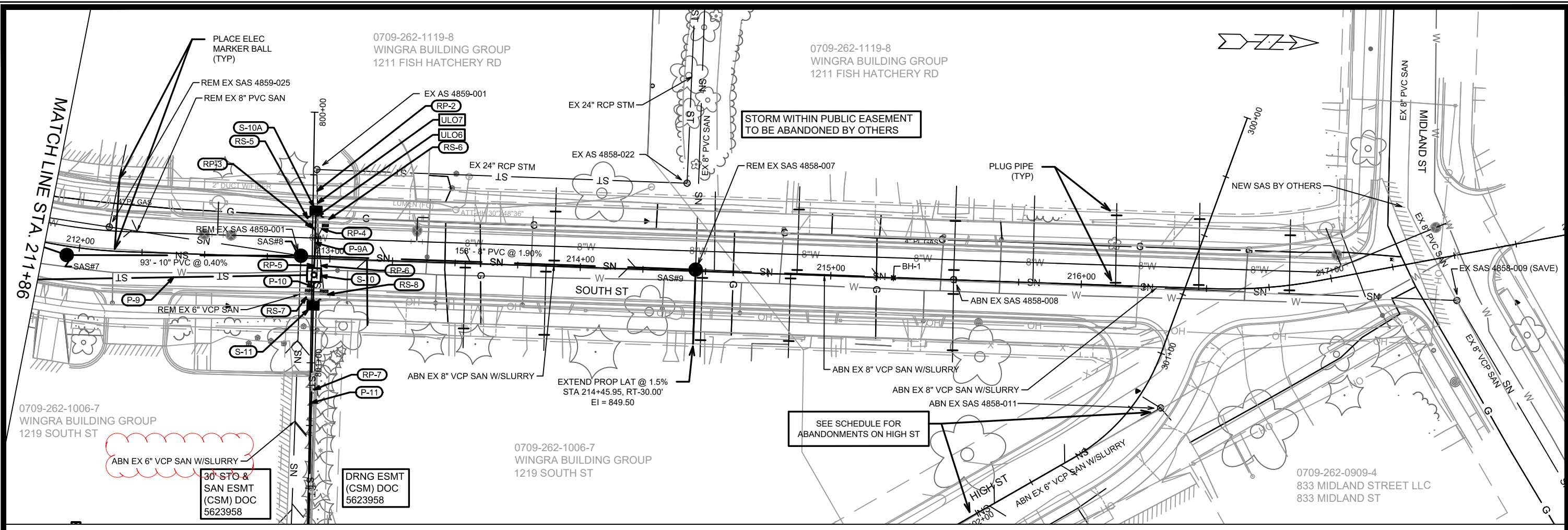


11866
MADISON, WI
CONTRACT NO: 8504

UTILITY PLAN & PROFILE - SOUTH ST
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT

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11866
U-4



SAS#8A REMOVED FROM PLAN AND 8" SAN PVC BETWEEN SAS#8 & SAS#8A REMOVED FROM PLAN

CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX OF 100 SF OF SW SQUARES & 20 LF OF CURB & GUTTER)

SANITARY LATERAL RISERS (WHERE NEEDED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH S.D.D. 5.3.1 AND INCIDENTAL TO THE RECONNECTION

SAS#7
STA 211+95.36, RT-3.51'
RIM = 856.02
EI(N) = 845.49 (10")
EI(S) = 845.39 (10")
- INSTALL CHIMNEY SEAL & EXTERNAL JOINT SEAL

SAS#8
STA 212+88.41, LT-0.78'
RIM = 855.41
EI(N) = 845.96 (8")
EI(S) = 845.86 (10")
- INSTALL CHIMNEY SEAL & EXTERNAL JOINT SEAL

SAS#9
STA 214+45.99, LT-0.61'
RIM = 858.45
EI(E) = 849.06 (6") - PROVIDE OPENING & CAP
EI(S) = 848.96 (8")
EI(W) = 850.21 (8") - TAP

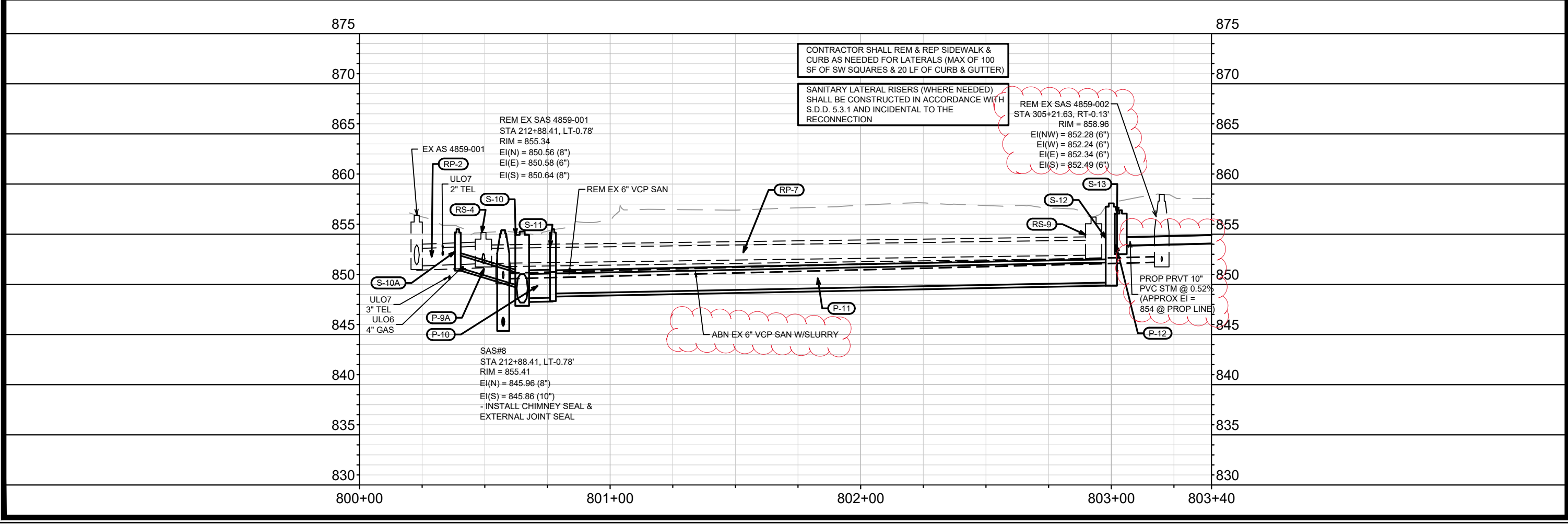
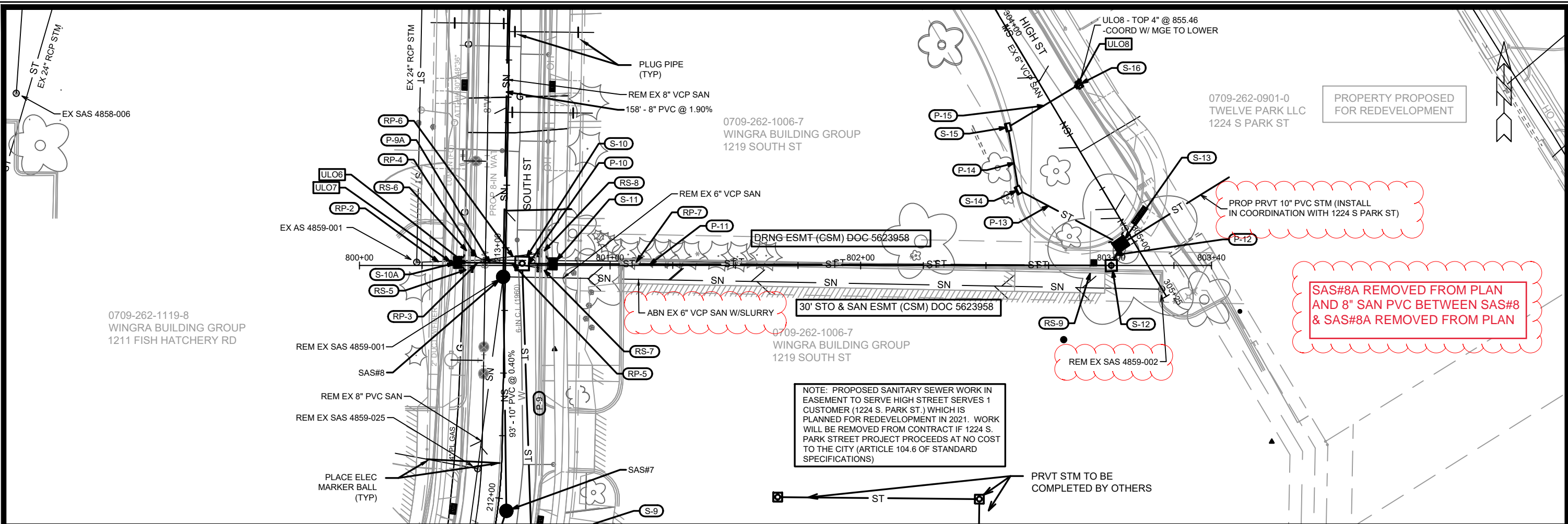
BH-1
GROUNDWATER NOT PRESENT

MARK	REVISION	DATE	BY
11866	REVISION 3	6/21/21	DAO
11866	REVISION 1	3/18/21	DAO
11866	REVISION	3/18/21	DAO
11866	REVISION	3/18/21	DAO
11866	REVISION	3/18/21	DAO

11866
MADISON, WI
CONTRACT NO: 8504

UTILITY PLAN & PROFILE - SOUTH ST
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT

11866
U-5



REVISION 3	6/21/21	DAO	U-6
REVISION 1	3/18/21	DAO	
ADDENDUM 1	1/19/21	DAO	
REVISION		BY	
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11866

MADISON, WI

8504

CONTRACT NO:

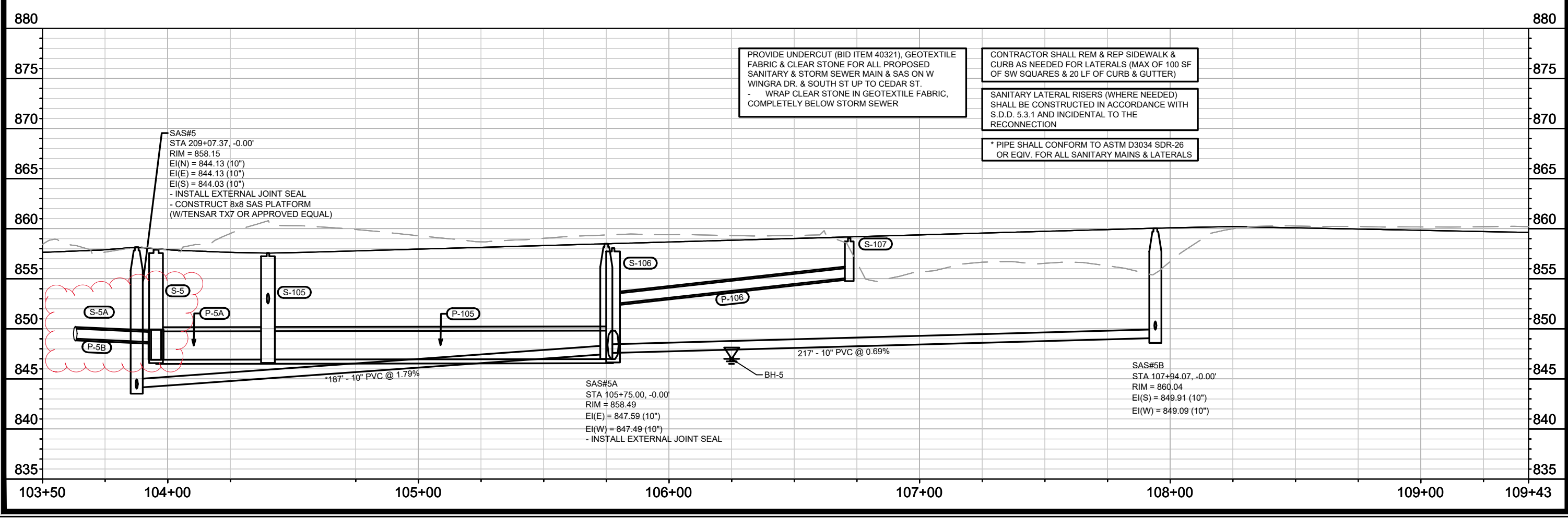
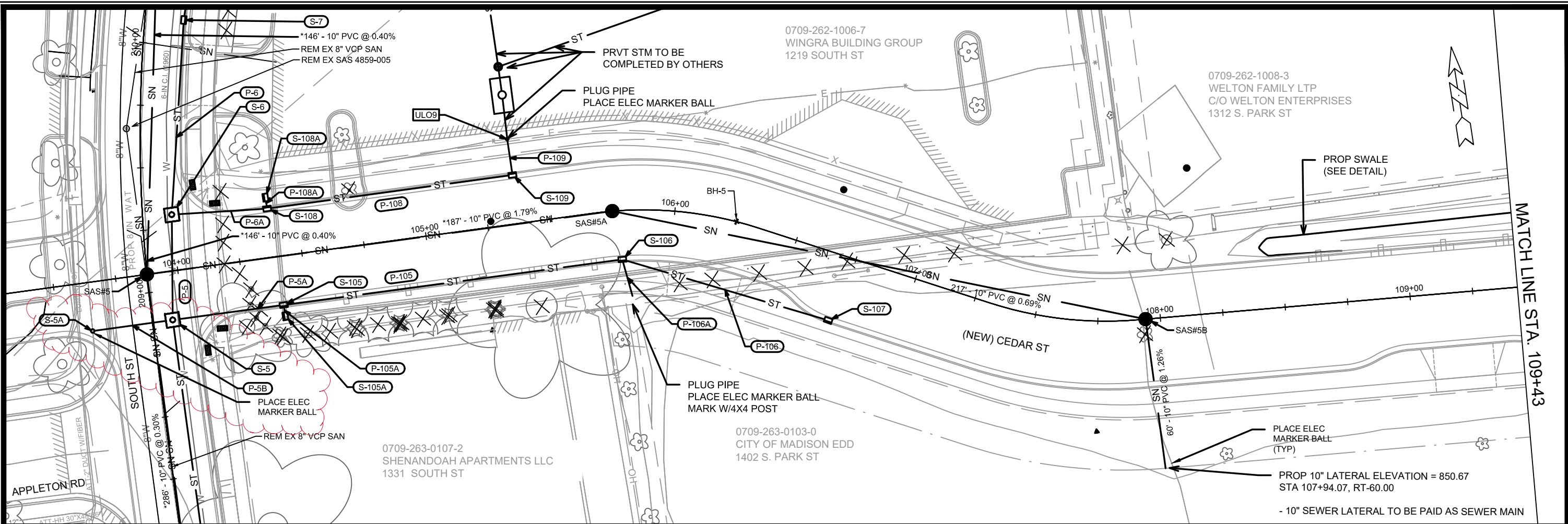
UTILITY PLAN & PROFILE - HIGH ST

CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT

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11866

U-6



PROVIDE UNDERCUT (BID ITEM 40321), GEOTEXTILE FABRIC & CLEAR STONE FOR ALL PROPOSED SANITARY & STORM SEWER MAIN & SAS ON W WINGRA DR. & SOUTH ST UP TO CEDAR ST.
 - WRAP CLEAR STONE IN GEOTEXTILE FABRIC, COMPLETELY BELOW STORM SEWER

CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX OF 100 SF OF SW SQUARES & 20 LF OF CURB & GUTTER)

SANITARY LATERAL RISERS (WHERE NEEDED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH S.D.D. 5.3.1 AND INCIDENTAL TO THE RECONNECTION

* PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR ALL SANITARY MAINS & LATERALS

SAS#5
 STA 209+07.37, -0.00'
 RIM = 858.15
 EI(N) = 844.13 (10")
 EI(E) = 844.13 (10")
 EI(S) = 844.03 (10")
 - INSTALL EXTERNAL JOINT SEAL
 - CONSTRUCT 8x8 SAS PLATFORM (W/TENSAR TX7 OR APPROVED EQUAL)

SAS#5A
 STA 105+75.00, -0.00'
 RIM = 858.49
 EI(E) = 847.59 (10")
 EI(W) = 847.49 (10")
 - INSTALL EXTERNAL JOINT SEAL

SAS#5B
 STA 107+94.07, -0.00'
 RIM = 860.04
 EI(S) = 849.91 (10")
 EI(W) = 849.09 (10")

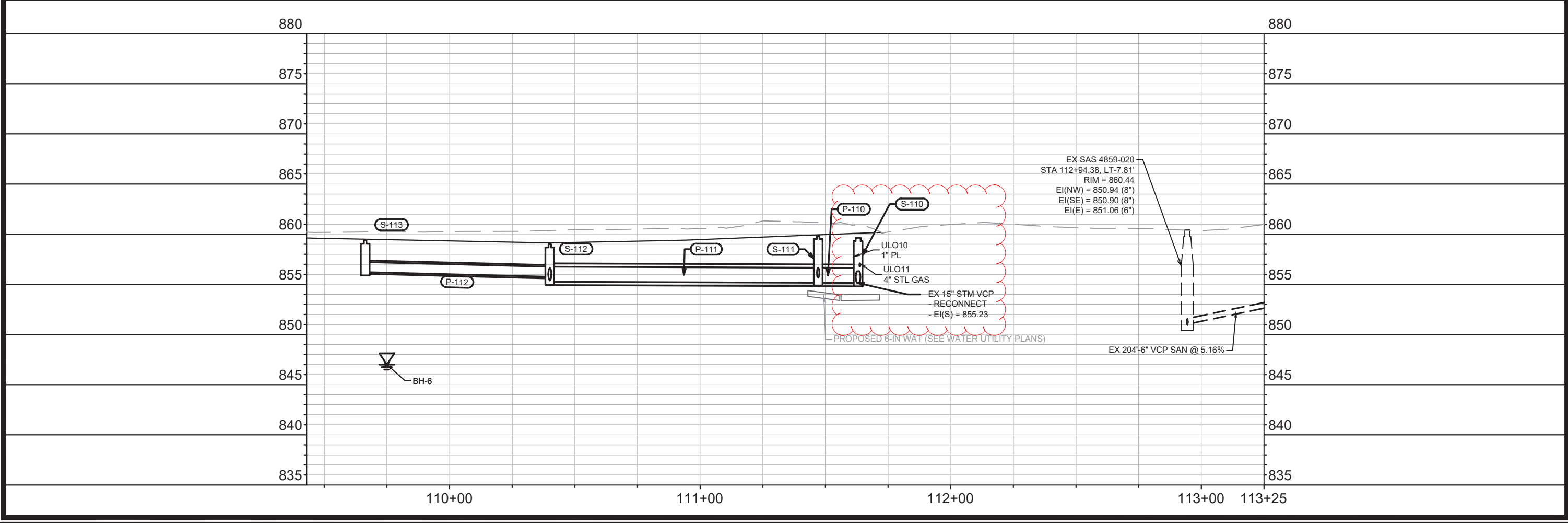
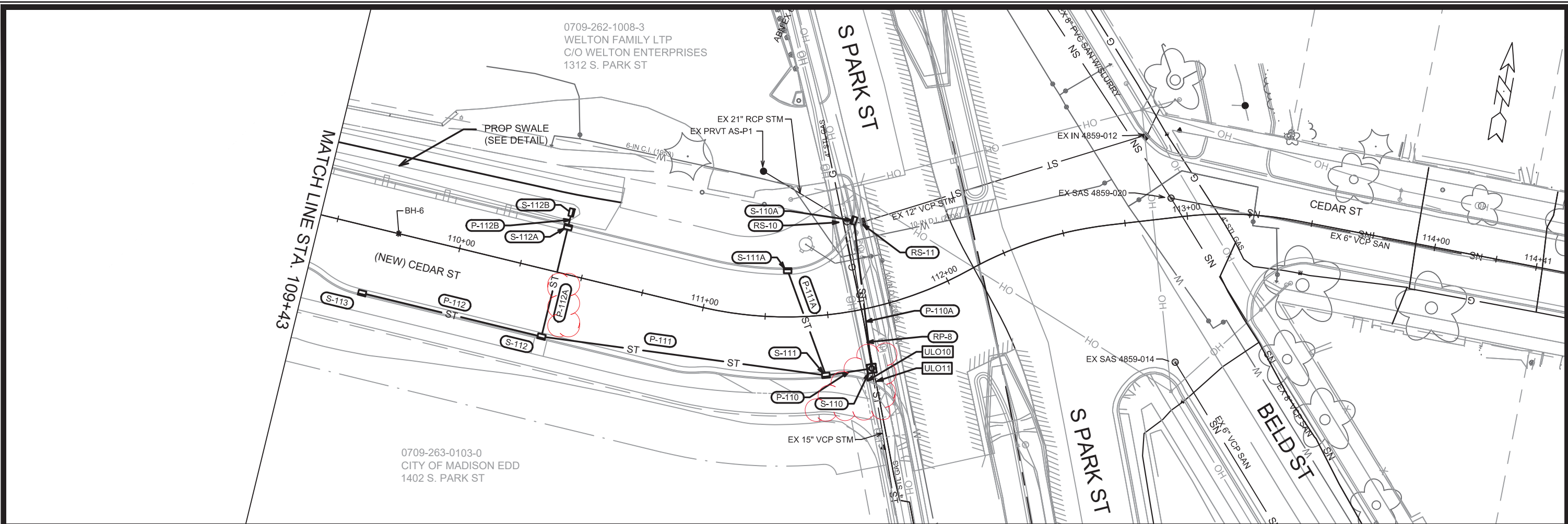
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REVISION 2	4/7/21	DAO
REVISION 1	3/18/21	DAO
MARK		BY
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11866		U-7

11866
 MADISON, WI
 CONTRACT NO: 8504

UTILITY PLAN & PROFILE - CEDAR ST
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
 U-7



MARK	REVISION	DATE	BY
	REVISION 1	3/18/21	DAO
	REVISION 2	4/7/21	DAO
DESIGNED BY	DAO	DATE	SCALE
11866		4/6/2021 6:34 PM	1" = 40'

11866
 MADISON, WI
 CONTRACT NO: 8504

UTILITY PLAN & PROFILE - CEDAR ST
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
 U-8

SANITARY SEWER SCHEDULE

SOUTH STREET, W WINGRA DR & HIGH ST RESURFACING W/UTILITIES PROJECT NO. 12956	SHEET NO. U-9
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

61

- * REVISION 1 - 3/18/2021 DAO
- ** REVISION 2 - 4/7/2021 DAO
- % REVISION 3 - 6/21/2021 DAO

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
W WINGRA DR						
** SAS#0	403+25.21	RT-10.62	850.34	839.71	10.63	(1)(2)(3)(4)(5)
** SAS#1	403+87.32	RT-0.53	850.26	840.03	10.23	(1)(2)(3)(5)
* SAS#1A	402+98.41	CL	850.95	842.18	8.77	(1)(2)(3)(6)
* SAS#2	406+93.58	CL	851.66	841.17	10.49	(1)(2)(3)(5)
* SAS#2A	409+07.94	CL	850.98	842.13	8.85	(1)(2)(6); INSIDE DROP
* SAS#2B	409+06.88	LT-33.98	851.03	842.43	8.60	5' DIA; FM DROP; (2)(6)(7)
SOUTH ST						
* SAS#3	203+37.32	RT-0.07	854.03	842.12	11.91	(1)(2)(6)
* SAS#4	206+21.32	CL	856.31	843.07	13.24	(2)(6)
* SAS#5	209+07.37	CL	858.15	844.03	14.12	(2)(6)
SAS#6	210+54.09	CL	857.17	844.72	12.45	(2)
SAS#7	211+95.36	RT-3.51	856.02	845.39	10.63	(1)(2)
SAS#8	212+88.41	LT-0.78	855.41	845.86	9.55	(1)(2)
% SAS#8A	212+88.35	RT-35.13	856.79	846.99	9.80	5' DIA; INSIDE DROP
SAS#9	214+45.99	LT-0.61	858.45	848.96	9.49	

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
W WINGRA DR								
** MH08-100	SAS#0	839.02	839.71	29	1.06%	12"	SDR-26	
** SAS#0	SAS#1	839.81	840.03	64	0.34%	12"	SDR-26	
** SAS#1	SAS#1A	840.13	842.18	29	6.90%	8"	SDR-26	
** SAS#1	SAS#2	840.13	841.17	306	0.34%	12"	SDR-26	
* SAS#2	SAS#2A	841.27	842.13	214	0.40%	8"	SDR-26	
* SAS#2A	SAS#2B	842.18	842.43	34	0.75%	8"	SDR-35	
SOUTH ST								
SAS#2	SAS#3	841.27	842.12	284	0.30%	10"	SDR-26	
SAS#3	SAS#4	842.22	843.07	284	0.30%	10"	SDR-26	
SAS#4	SAS#5	843.17	844.03	286	0.30%	10"	SDR-26	
SAS#5	SAS#6	844.13	844.72	146	0.40%	10"	SDR-26	
SAS#6	SAS#7	844.82	845.39	142	0.40%	10"	SDR-35	
SAS#7	SAS#8	845.49	845.86	93	0.40%	10"	SDR-35	
% SAS#8	SAS#8A	845.96	846.99	36	2.88%	8"	SDR-35	
SAS#8	SAS#9	845.96	848.96	158	1.90%	8"	SDR-35	

SANITARY STRUCTURE REMOVALS OR ABANDONMENTS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
W WINGRA ST						
SAS 4760-003	402+98.51	LT-27.34	851.10	846.30	4.80	REMOVE SAS
SAS 4860-001	403+67.54	LT-26.31	850.96	846.17	4.79	REMOVE SAS
SAS 4860-003	406+88.04	LT-33.47	852.17	847.45	4.72	REMOVE SAS
* SAS 4860-004	409+06.88	LT-33.98	851.03	846.79	4.24	REMOVE SAS
SOUTH ST						
SAS 4860-002	203+66.36	LT-0.53	854.61	848.17	6.44	REMOVE SAS
SAS 4859-006	206+65.87	RT-0.07	856.74	849.52	7.22	REMOVE SAS
SAS 4859-005	209+65.59	LT-5.48	857.84	850.74	7.10	REMOVE SAS
SAS 4859-004	211+20.77	LT-0.31	856.97	851.47	5.50	REMOVE SAS
SAS 4859-025	212+11.24	LT-9.49	855.68	850.88	4.80	REMOVE SAS
SAS 4859-001	212+88.41	LT-0.78	855.34	850.56	4.78	REMOVE SAS
SAS 4858-007	214+45.99	LT-0.61	858.61	849.99	8.62	REMOVE SAS
SAS 4858-008	215+48.99	LT-0.12	862.25	849.87	12.38	ABANDON SAS
HIGH ST						
SAS 4858-011	301+18.71	LT-9.62	865.29	858.47	6.82	ABANDON SAS
% SAS 4859-002	305+21.63	RT-0.13	858.96	851.78	7.18	REMOVE SAS

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
SOUTH ST						
SAS 4860-003	SAS 4860-002	278	VCP	8"	N	
SAS 4860-002	SAS 4859-006	300	VCP	8"	N	
SAS 4859-006	SAS 4859-005	300	VCP	8"	Y/N	36' PAID
SAS 4859-005	SAS 4859-004	156	VCP	8"	Y/N	26' PAID
SAS 4858-007	SAS 4859-001	158	VCP	8"	N	
% SAS 4859-001	212+88, RT-35.13	36	VCP	6"	Y	36' PAID
SAS 4859-001	SAS 4859-025	77	PVC	8"	Y/N	51' PAID
SAS 4859-025	SAS 4859-004	89	VCP	8"	Y/N	69' PAID

SANITARY PIPE ABANDONMENT

ABANDON FROM	ABANDON TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
W WINGRA ST						
SAS 4760-003	SAS 4760-002	248	VCP	8"	Y	3.00 CY SLURRY
SAS 4860-001	SAS 4760-003	66	VCP	8"	Y	1.00 CY SLURRY
SAS 4860-003	SAS 4860-001	311	VCP	8"	Y	4.00 CY SLURRY
SAS 4860-003	EX SAS 4860-004	219	CI	6"	Y	1.50 CY SLURRY
SOUTH ST						
SAS 4858-009	SAS 4858-008	201	VCP	8"	Y	3.00 CY SLURRY
SAS 4858-008	SAS 4858-007	103	VCP	8"	Y	1.50 CY SLURRY
HIGH ST						
SAS 4858-012	SAS 4858-011	209	VCP	6"	Y	1.50 CY SLURRY
% 212+88, RT-35.13	SAS 4859-002	226	VCP	6"	Y	1.50 CY SLURRY

SPECIFIC NOTES

- (1) INSTALL INTERNAL CHIMNEY SEAL
- (2) PROVIDE EXTERNAL SAS JOINT SEAL
- (3) APPLY INTERIOR SAS COATING (SEE BID ITEM 90038)
- (4) INSTALL SAS LOCKING FRAME & LOGO COVER PER S.D.D. 5.7.16A
- (5) CONSTRUCT SAS PLATFORM; TOP OF PLATFORM (AGGREGATE PAD) SHALL BE 10'X10'; ALLOW 2' CLEARANCE FROM EDGE OF 4'5" DIA SAS BASE; GRADE WITH 1:1 SLOPE FROM THE TOP (10'X10') TO THE BOTTOM (13'X13') OF PLATFORM FOR A TOTAL OF 36" THICK PLATFORM; LAYERS SHALL BE AS FOLLOWS - INSTALL GEOTEXTILE FABRIC (BID ITEM 20241)\TENSAR TX7 GEOGRID (OR EQUAL)\12" OF 3" CLEAR STONE\TENSAR TX7 GEOGRID 12" OF 3" CLEAR STONE\TENSAR TX7 GEOGRID\12" OF WASHED GRAVEL OR CLEAR STONE
- (6) CONSTRUCT SAS PLATFORM; TOP OF PLATFORM (AGGREGATE PAD) SHALL BE 5'X5'; GRADE WITH 1/2:1 SLOPE FROM THE TOP (5'X5') TO THE BOTTOM (8'X8'); MATCH 3' LAYERS PER (5)
- (7) SEE DETAIL FOR INSIDE DROP ON SHEET U-2; USE DUCTILE IRON FITTINGS

STORM SEWER SCHEDULE

* REV 3/18/2021 DAO

SOUTH STREET, W WINGRA DR & HIGH ST RESURFACING W/UTILITIES PROJECT NO. 12956	SHEET NO. U--11
STORM SEWER SCHEDULE	
CITY OF MADISON	

U-11

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
SOUTH ST					
RS-1	IN 4860-008	200+99.85	RT-18.54	TUB INLET	
RS-2	IN 4860-007	201+06.74	RT-18.38	TUB INLET	
RS-3	IN 4860-006	201+00.12	LT-20.57	TUB INLET	
RS-4	AS 4859-003	212+94.99	LT-8.78	5X7 STORM SAS	
RS-5	IN 4859-004	212+91.22	LT-14.84	H INLET	
RS-6	IN 4858-024	212+97.77	LT-14.75	H INLET	
RS-7	IN 4859-005	212+92.10	RT-14.67	H INLET	
RS-8	IN 4858-025	212+98.22	RT-14.57	H INLET	
HIGH ST					
RS-9	AS 4859-007	304+99.60	RT-18.67	6X6 STORM SAS	

REMOVE STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	PIPE LGTH (FT)	PIPE SIZE	TYPE	PAID (Y/N)	NOTES
SOUTH ST							
RP-1	AS 4860-005	RS-3	42	12"	RCP	N	
RP-2	AS 4859-001	RS-4	27	21"	RCP	Y/N	11' PAID PLUG @ EX AS 4859-001
RP-3	RS-4	RS-5	7	12"	RCP	N	
RP-4	RS-4	RS-6	7	12"	RCP	N	
RP-5	RS-4	RS-7	24	12"	RCP	N	
RP-6	RS-4	RS-8	24	12"	RCP	N	
HIGH ST							
RP-7	RS-4	RS-9	243	18"	RCP	N	

STORM SEWER ULOS

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
SOUTH ST				
* ULO1	200+16.28	RT-8.13	HI PRESSURE GAS	848.55; TOP 12"
* ULO2	200+24.76	RT-8.11	HI PRESSURE GAS	848.29; TOP 8"
* ULO3	200+79.21	RT-8.04	STEEL GAS	847.72; TOP 6" COORDINATE ADJUSTMENT
* ULO4	200+84.03	RT-8.03	FIBER	844.11; TOP 2" STL
* ULO5	207+88.32	RT-8.29	TELE	849.76; TOP OF 2"
* ULO6	212+93.98	LT-16.60	GAS	851.77; 4" COORDINATE ADJUSTMENT
* ULO7	212+93.99	LT-21.77	TELE	853.25; 2" & 850.81; 3"
HIGH ST				
* ULO8	304+34.55	LT-12.00	UG ELE	855.46; TOP 4" PL COORDINATE ADJUSTMENT

SPECIFIC NOTES

SANITARY & STORM SEWER SCHEDULE

* REVISION 1 - 3/18/2021 DAO
** REVISION 2 - 4/7/2021 DAO

CEDAR STREET (NEW STREET)

PROJECT NO. 11866

SHEET NO.

U-12

SEWER SCHEDULE

CITY OF MADISON

U-12

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
<u>CEDAR ST</u>						
SAS#5A	105+75.00	CL	858.49	847.49	11.00	(1)
** SAS#5B	107+94.07	CL	860.04	849.09	10.95	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<u>CEDAR ST</u>							
S-105	104+40.00	RT-19.49	5'X5' STORM SAS	857.57	846.93	10.64	LP; W/3067-7004-VB
S-105A	104+40.05	RT-24.01	3'X3' STORM SAS	856.57	852.57	4.00	W/ R-2578
S-106	105+77.70	RT-19.53	5'X5' STORM SAS	858.06	846.98	11.08	W/3067-7004-V
S-106A	105+81.76	RT-34.29	34"X53" PIPE PLUG	-	846.99	-	
S-107	106+71.92	RT-26.49	H INLET	859.06	855.09	3.97	W/3067-7004-V
S-108	104+38.68	LT-19.49	3'X3' STORM SAS	857.58	847.74	9.84	LP; W/3067-7004-VB
S-108A	104+38.60	LT-24.00	3'X3' STORM SAS	856.58	852.58	4.00	W/ R-2578
S-109	105+37.48	LT-19.50	3'X3' STORM SAS	858.24	848.97	9.27	W/3067-7004-V
S-109A	105+37.35	LT-33.13	24" PIPE PLUG	-	848.97	-	
** S-110	111+63.04	RT-23.88	3'X3' STORM SAS	859.64	855.14	4.50	FP; W/1550-0054
S-110A	111+68.92	LT-35.37	3'X3' STORM SAS	861.03	855.20	5.83	FP; W/3067-7004-V
S-111	111+47.11	RT-24.00	H INLET	859.85	855.16	4.69	W/3067-7004-V
S-111A	111+34.00	LT-18.50	H INLET	859.84	856.34	3.50	W/3067-7004-V
S-112	110+40.01	RT-26.50	H INLET	859.01	855.26	3.75	LP; W/3067-7004-VB
S-112A	110+40.00	LT-18.50	H INLET	859.17	855.69	3.48	LP; W/3067-7004-VB
S-112B	110+40.00	LT-24.49	H INLET	858.17	855.72	2.45	FP; W/ R-2578
S-113	109+66.35	RT-26.50	H INLET	859.38	856.22	3.16	W/3067-7004-V

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<u>CEDAR ST</u>					
RS-10	AS 4859-011	111+65.26	LT-35.47	5X7 STORM SAS	
RS-11	IN 4859-013	111+71.80	LT-33.90	H INLET	

STORM SEWER ULOS

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<u>CEDAR ST</u>				
* ULO9	105+37.36	LT-33.96	UG ELE	TO BE MOVED BY MGE
* ULO10	111+60.49	RT-28.50	TELE	857.76; 1" PL
* ULO11	111+63.55	RT-29.28	GAS	857.09; 4" STL COORDINATE ADJUSTMENT

STANDARD NOTES:

-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.

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

-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.

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
<u>CEDAR ST</u>								
** SAS#5	SAS#5A	844.13	847.49	187	1.79%	10"	SDR-26	
** SAS#5A	SAS#5B	847.59	849.09	217	0.68%	10"	SDR-35	
** SAS#5B	STA 107+96.95, RT-60	849.91	850.67	60	1.26%	10"	SDR-35	

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
<u>CEDAR ST</u>										
P-5A	S-5	S-105	846.91	846.93	45	39	0.04%	34"X53"	HERCP	NCM
P-6A	S-6	S-108	847.56	847.74	38	34	0.48%	30"	RCP	
P-105	S-105	S-106	846.93	846.98	136	131	0.04%	34"X53"	HERCP	
P-105A	S-105	S-105A	852.52	852.57	5	1	1.00%	12"	RCP	NCM
P-106	S-106	S-107	852.48	855.09	86	82	3.05%	12"	RCP	
P-106A	S-106	S-106A	846.98	846.99	15	13	0.05%	34"X53"	HERCP	
P-108	S-108	S-109	848.24	848.71	99	96	0.48%	24"	24 IN RCP	
** P-108A	S-108	S-108A	852.53	852.58	5	2	1.00%	12"	RCP	NCM
P-109	S-109	S-109A	848.81	848.97	14	12	1.17%	24"	24 IN RCP	
** P-110	S-110	S-111	855.14	855.16	25	21	0.72%	18"	RCP	
P-110A	S-110	S-110A	855.14	855.20	65	61	0.10%	14"X23"	HERCP	
P-111	S-111	S-112	855.16	855.26	115	112	0.09%	18"	RCP	
P-111A	S-111	S-111A	855.66	856.34	45	42	1.53%	12"	RCP	
P-112	S-112	S-113	855.76	856.22	74	71	0.62%	12"	RCP	
** P-112A	S-112	S-112A	855.39	855.69	45	43	0.67%	15"	RCP	
P-112B	S-112A	S-112B	855.69	855.72	6	3	0.50%	12"	PVC	NCM

REMOVE STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	PIPE LGTH (FT)	PIPE SIZE	TYPE	PAID (Y/N)	NOTES
<u>CEDAR ST</u>							
RP-8	AS 4859-010	RS-10	304	15"	VCP	N	

SPECIFIC NOTES

(1) INSTALL EXTERNAL JOINT SEAL

- 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

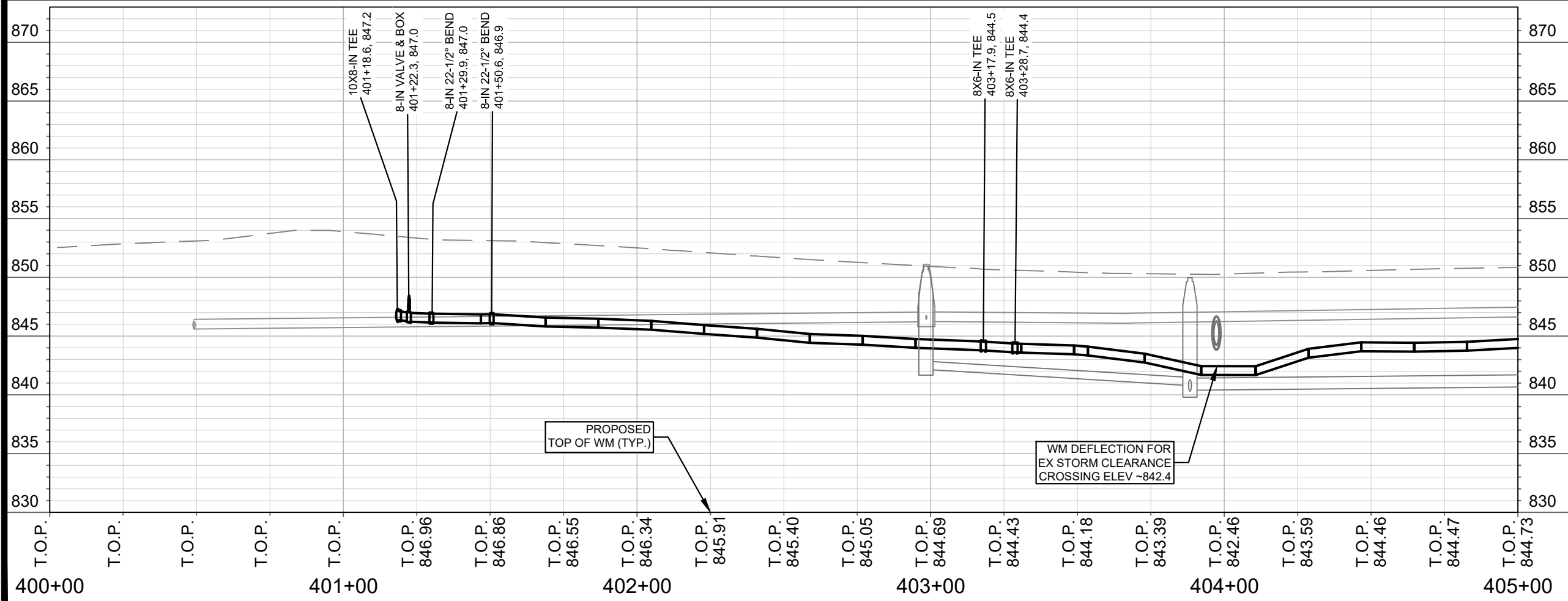
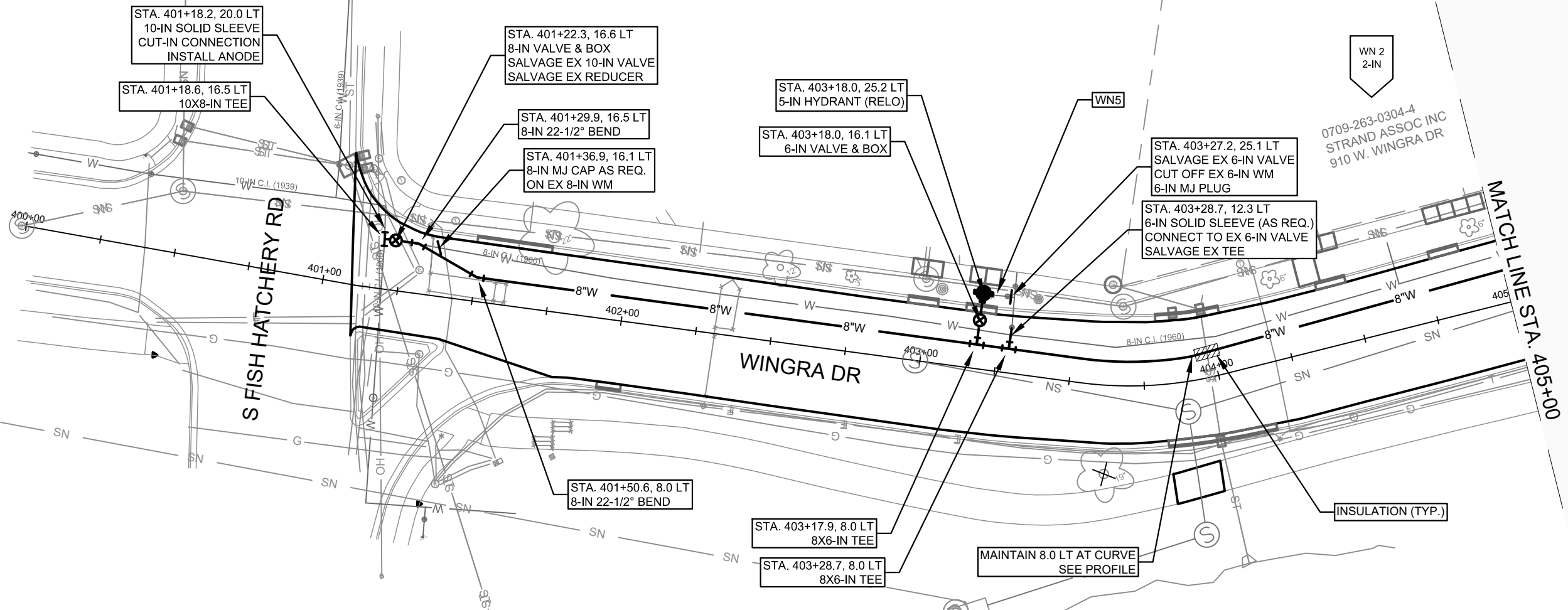
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.

- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS'S.

- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

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

- 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 IF PRECAST STRUCTURES ARE PREFERRED. CONTACT DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.



MARK	REVISION	DATE	BY

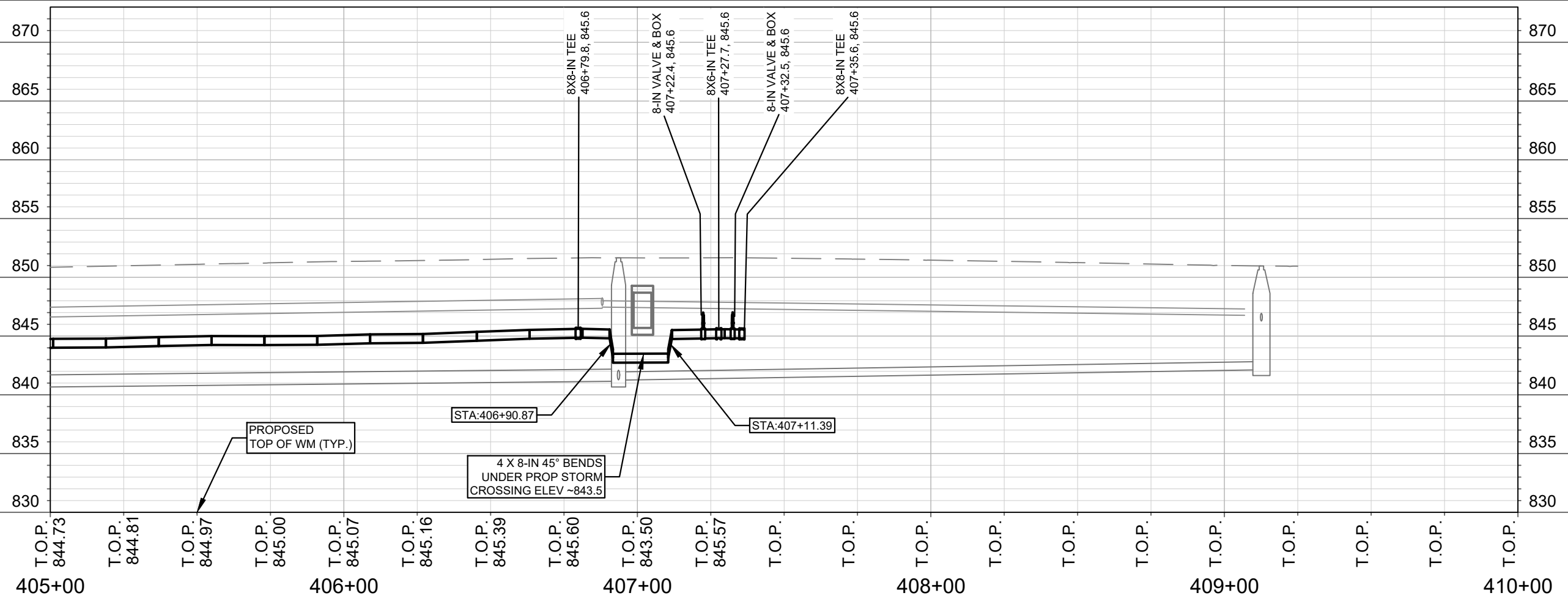
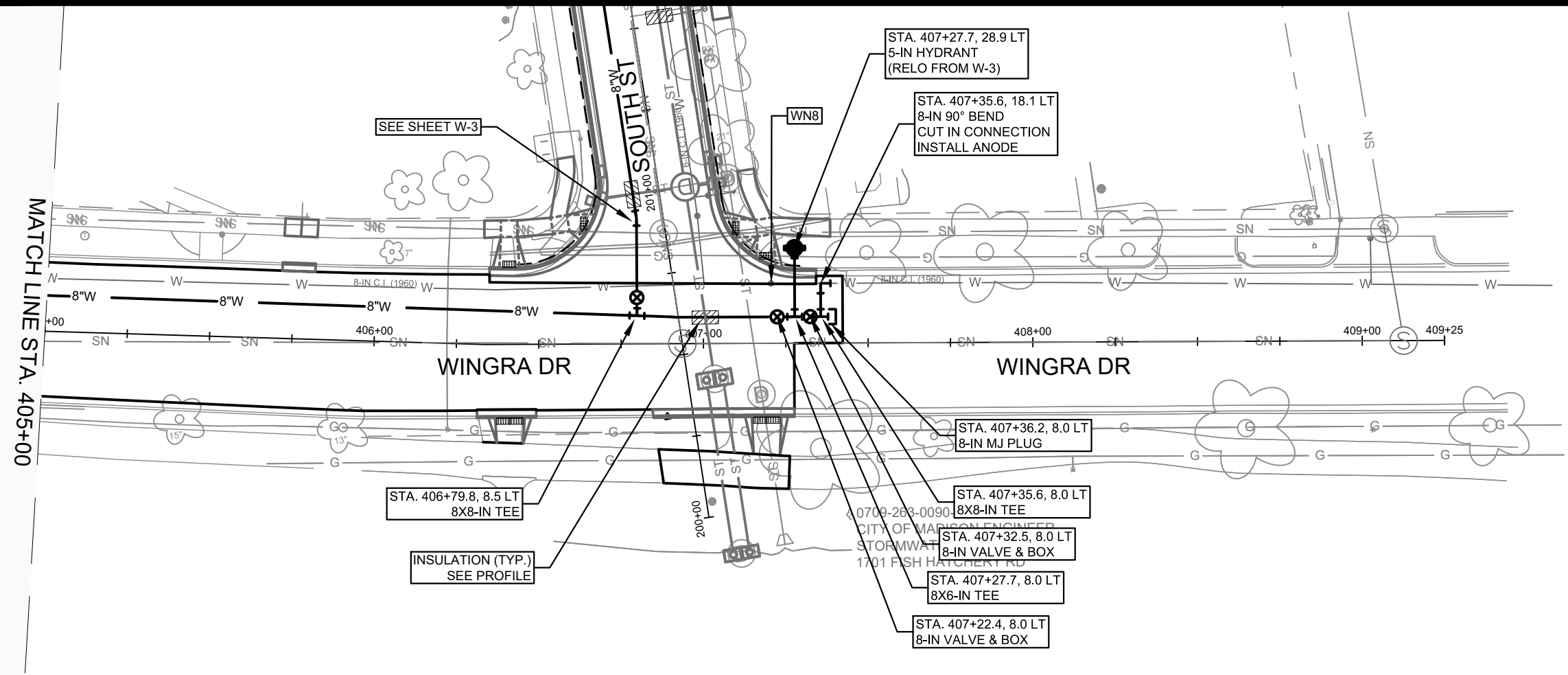
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 11866 W-1

11866
 MADISON, WI
 CONTRACT NO: 8504

WATER PLAN & PROFILE - WINGRA DRIVE
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
 W-1



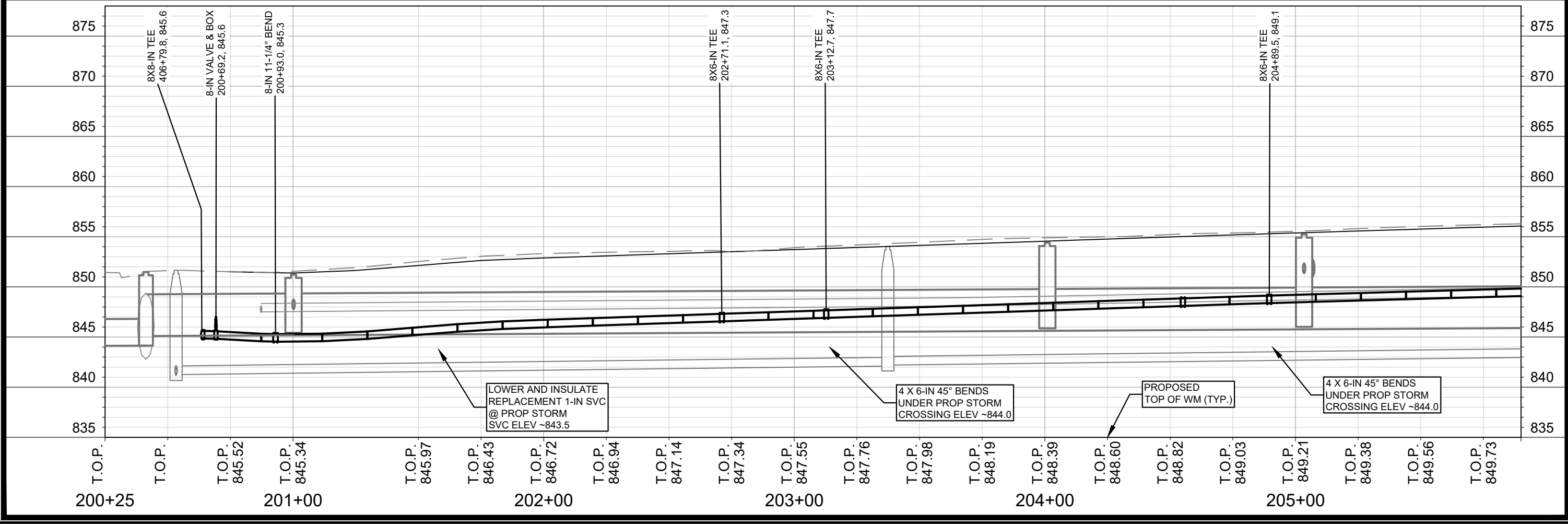
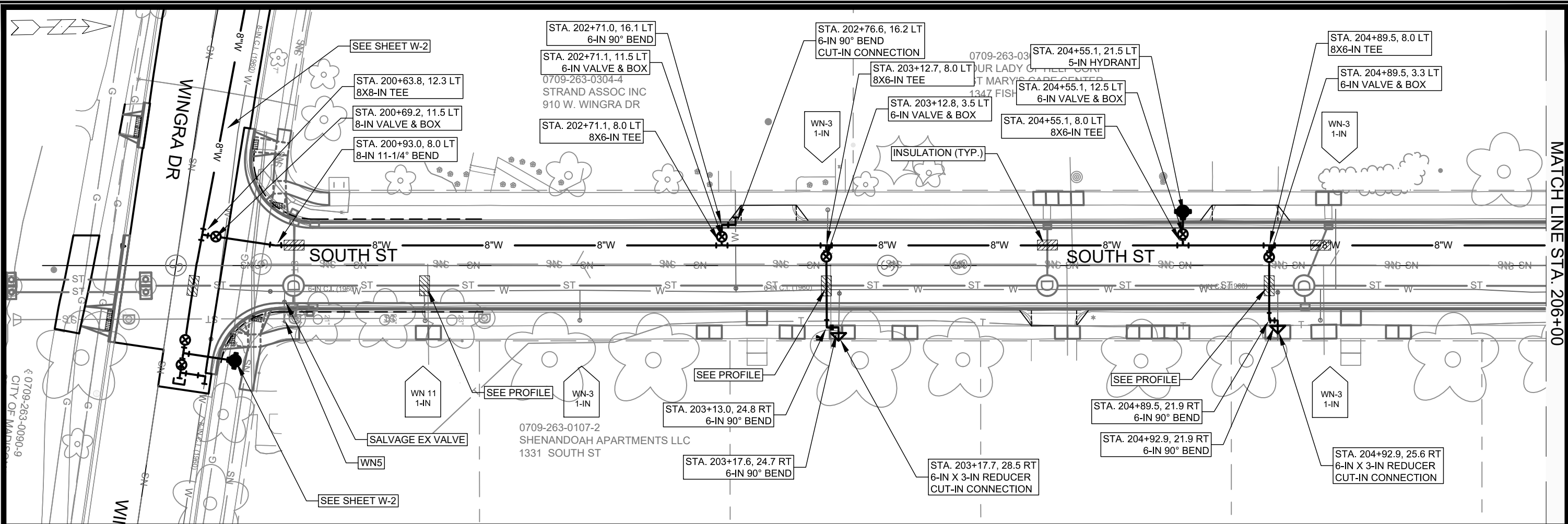
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11866
 MADISON, WI
 CONTRACT NO: 8504
 11866
 Scale: 1" = 40'

WATER PLAN & PROFILE - WINGRA DRIVE
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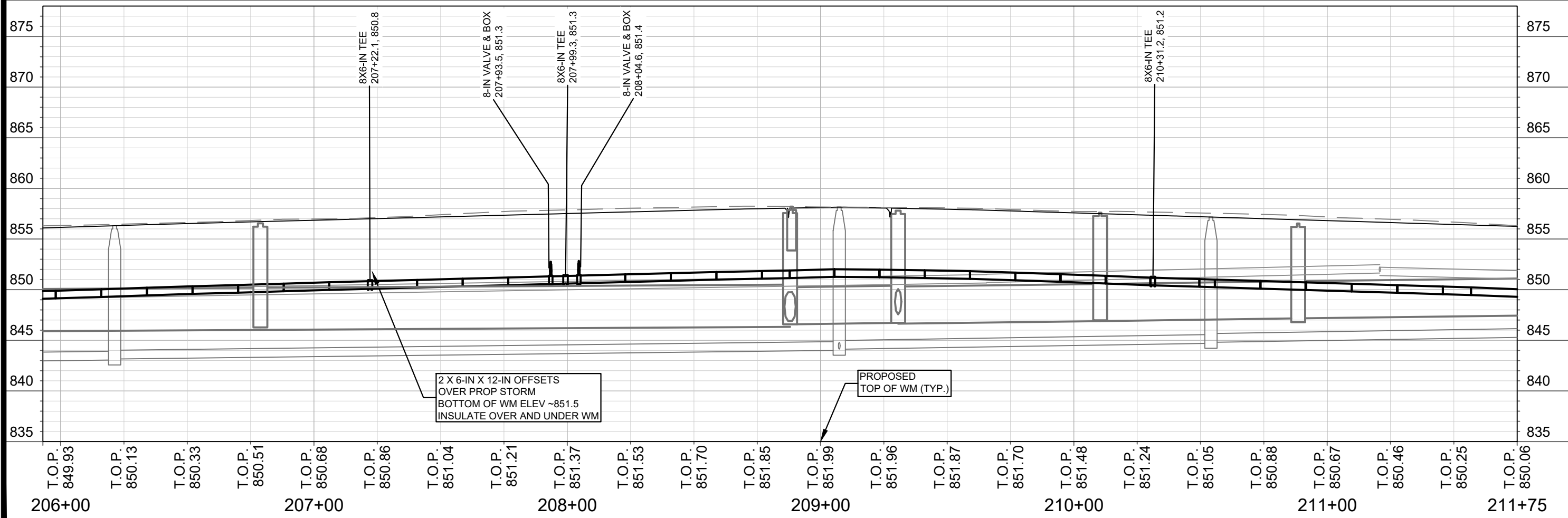
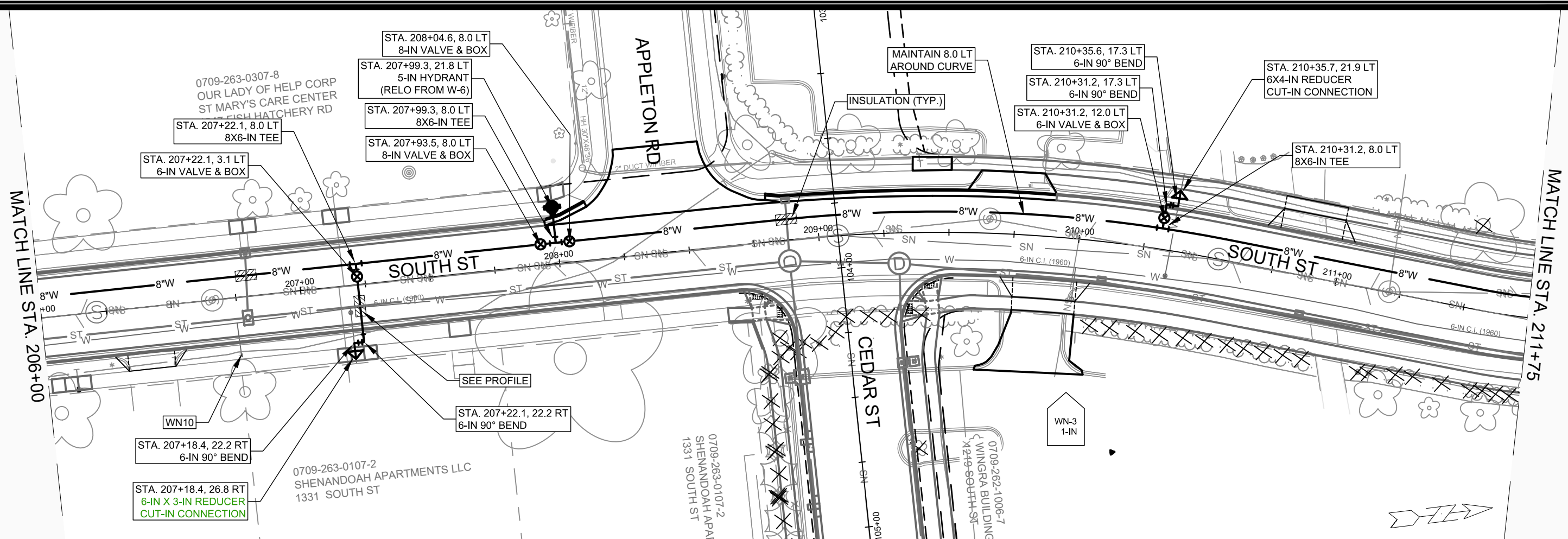


11866
 W-2



MATCH LINE STA. 206+00
 11866
 MADISON, WI
 CONTRACT NO.: 8504
 WATER PLAN & PROFILE - SOUTH STREET
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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 11866
 W-3

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REVISION	
Scale: 1" = 40'	W-3



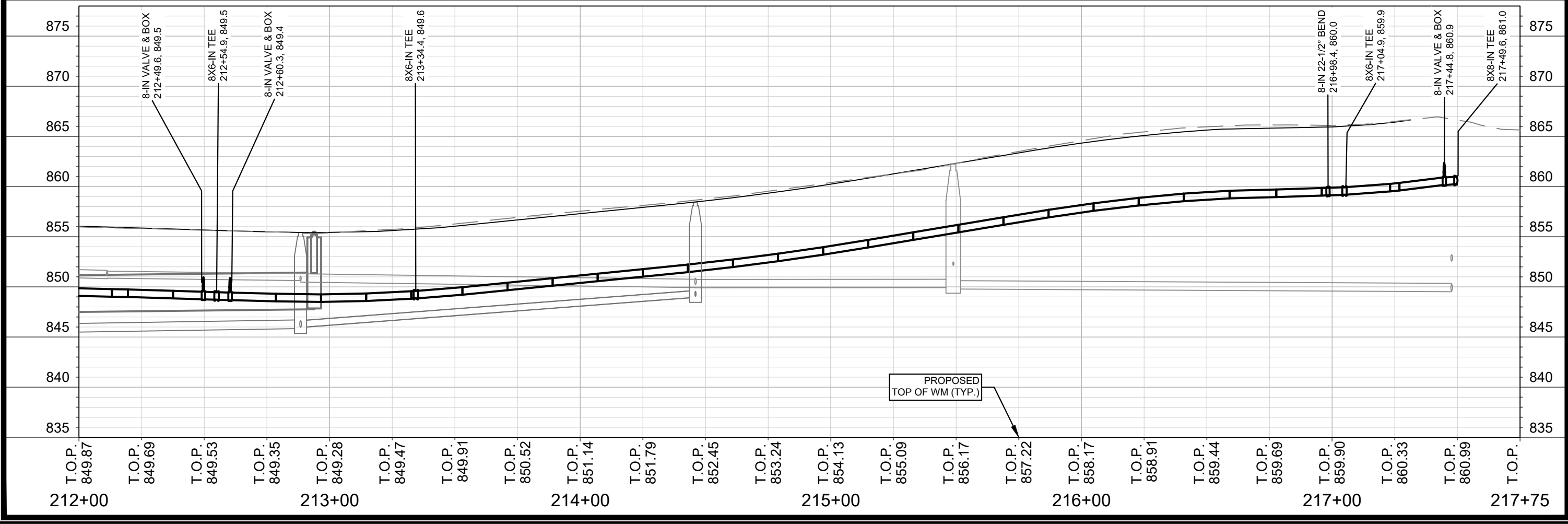
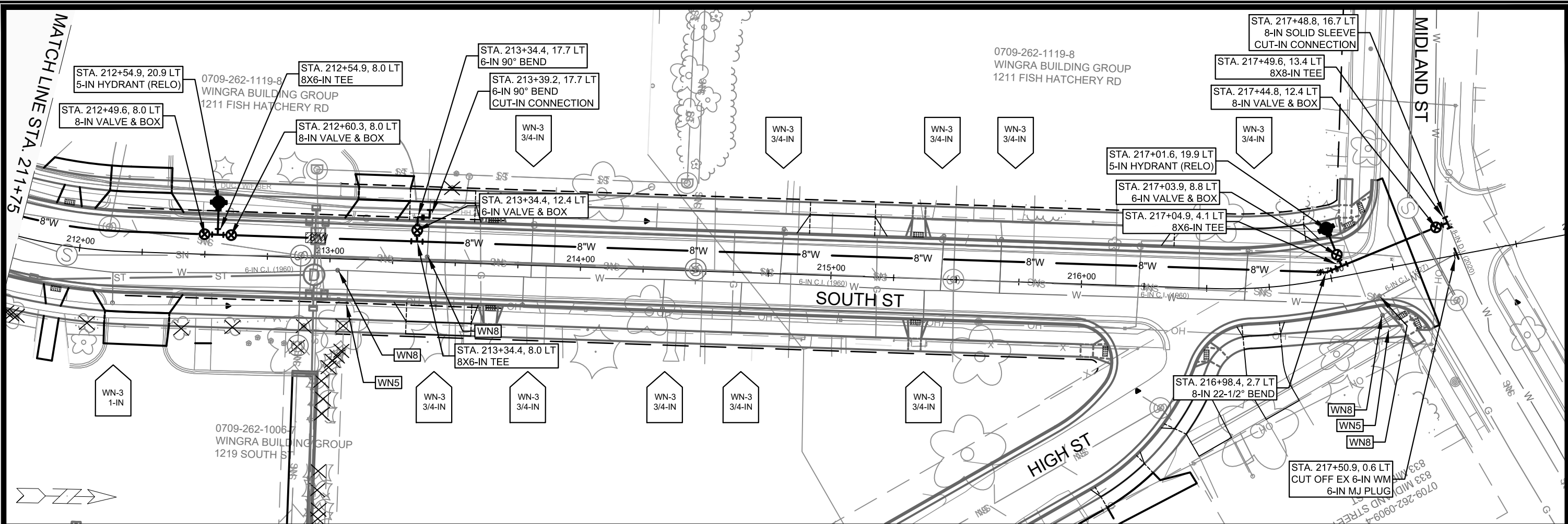
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11866
 MADISON, WI
 8504
 CONTRACT NO:

WATER PLAN & PROFILE - SOUTH STREET
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
 W-4



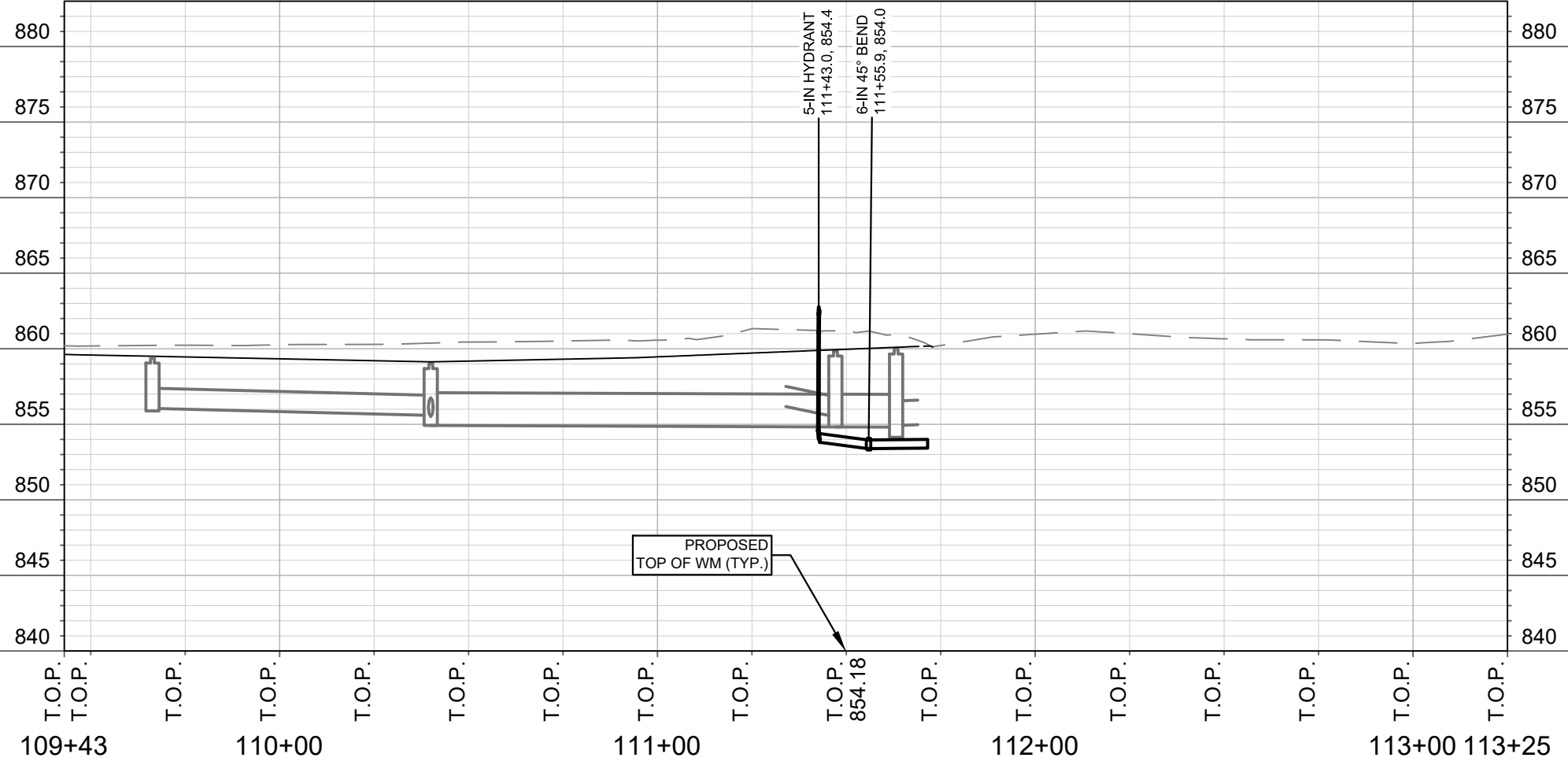
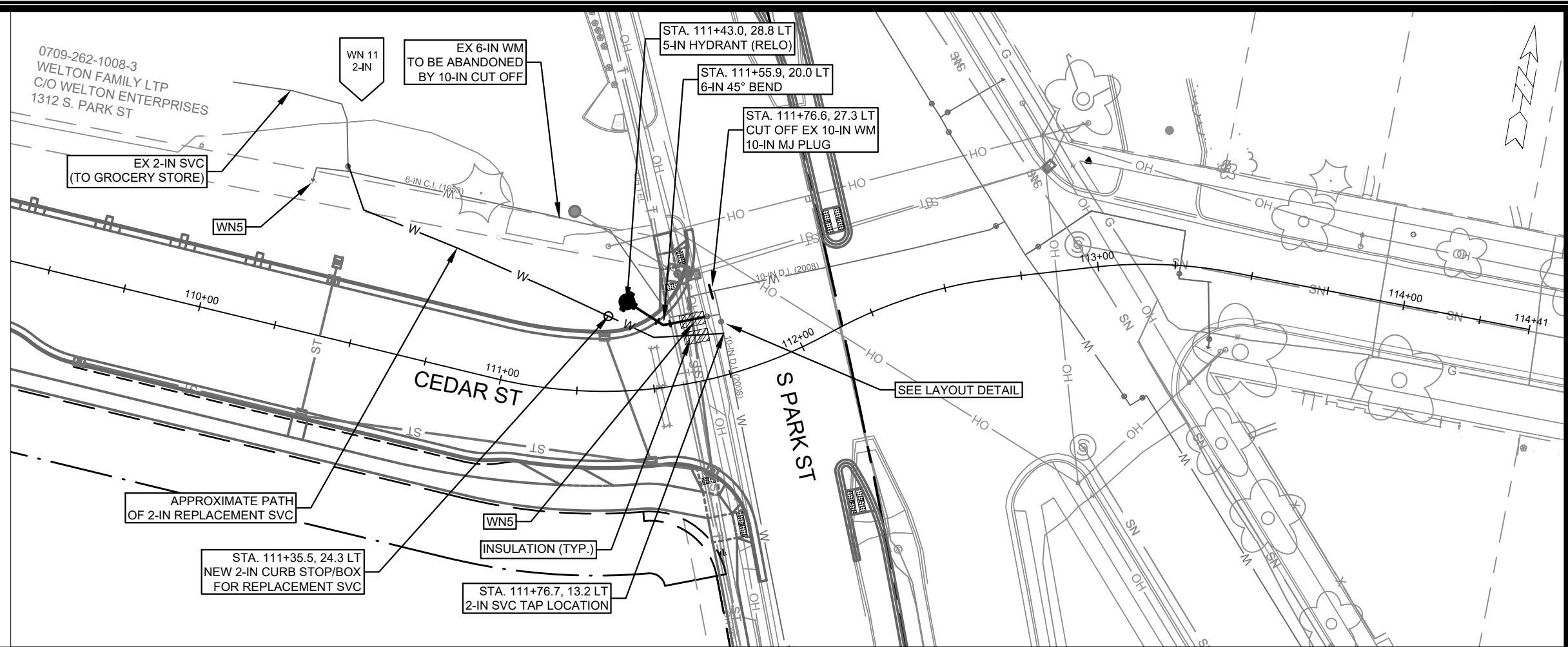
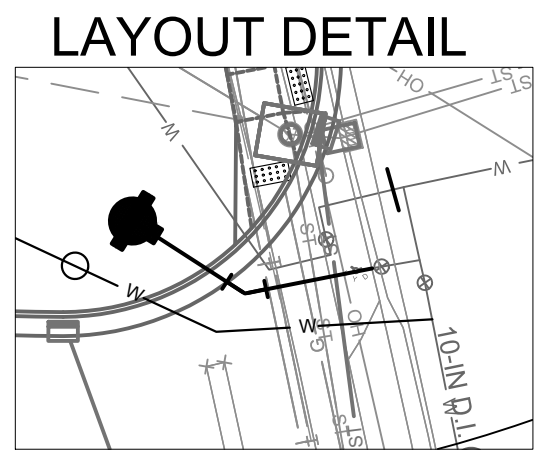
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11866
 MADISON, WI
 CONTRACT NO: 8504

WATER PLAN & PROFILE - SOUTH STREET
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 W-5



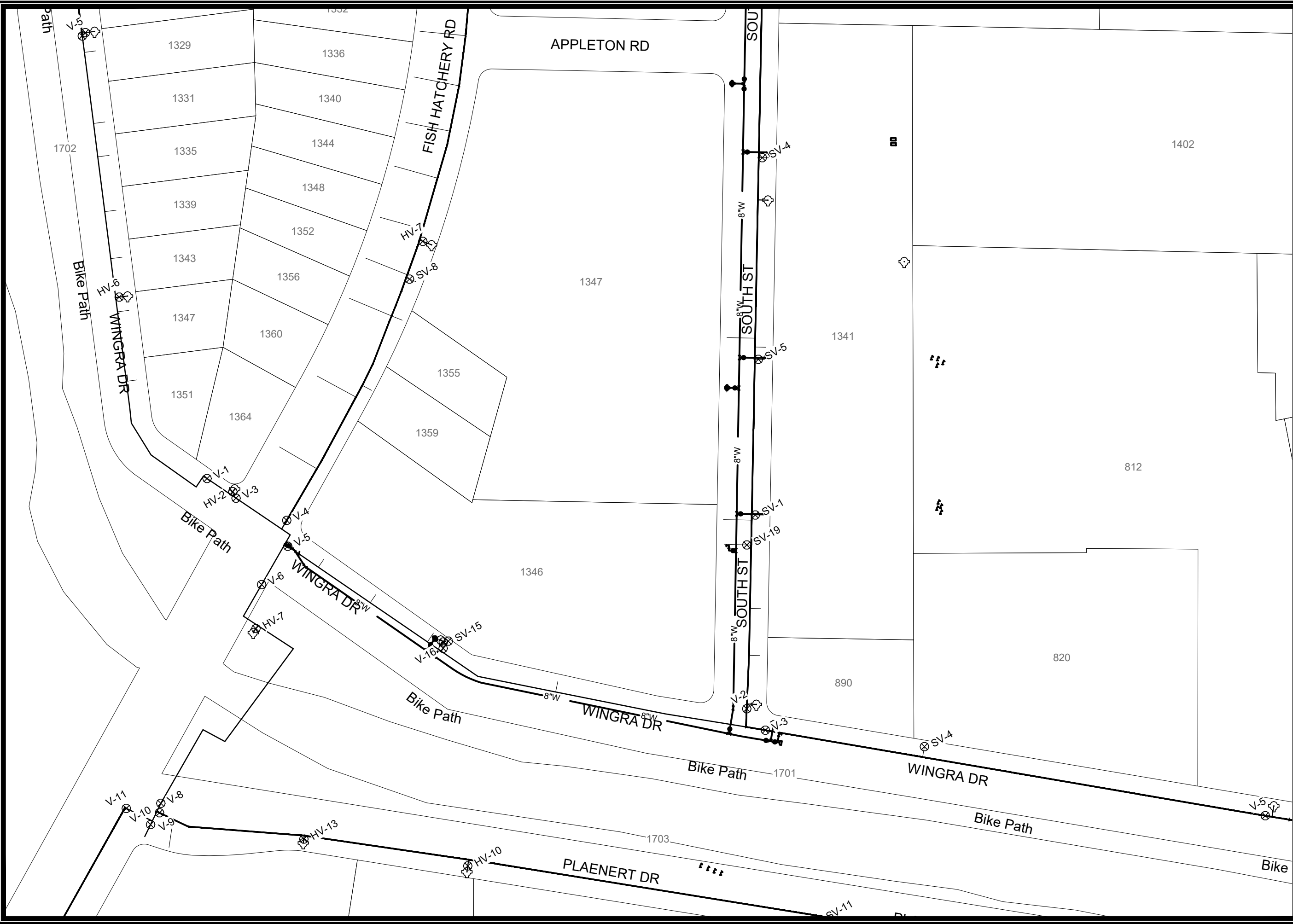
MARK	REVISION	DATE	BY

11866
 MADISON, WI
 8504
 CONTRACT NO:

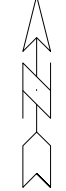
WATER PLAN & PROFILE - CEDAR STREET
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
 W-6



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.

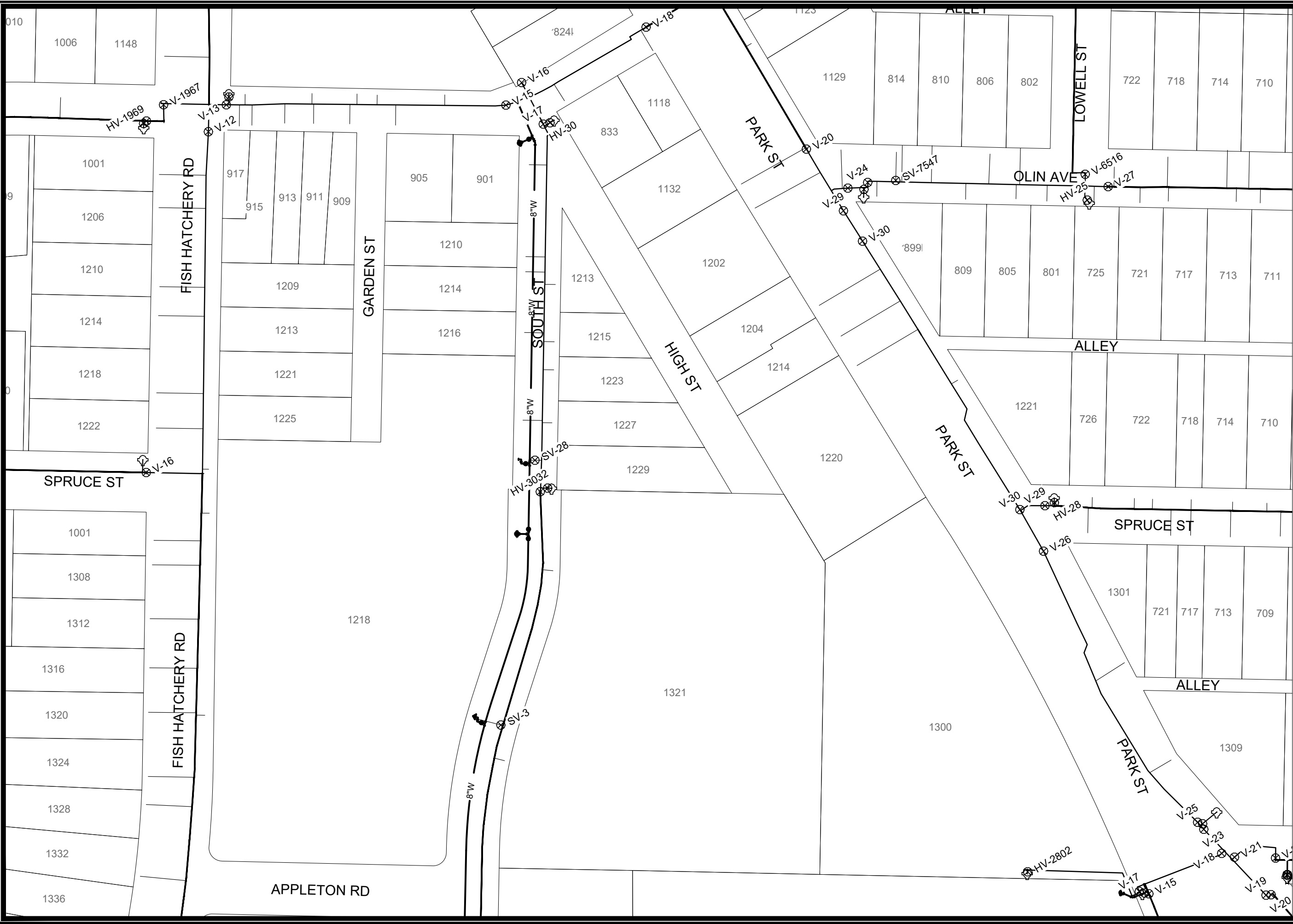


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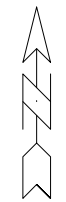


CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
 WATER IMPACT PLAN
CITY OF MADISON, WISCONSIN
 CONTRACT NO: 8504

SCALE: 1" = 100'
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 12/11/2020



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.



CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT

WATER IMPACT PLAN

CITY OF MADISON, WISCONSIN

SCALE: 1" = 100'

DESIGNED BY: PEH

MADISON WATER UTILITY


119 E OLIN AVE, MADISON, WI 53713

PRINTING DATE: 12/11/2020

CONTRACT NO: 8504

11866

W-8





ESTIMATE OF NEW MATERIALS*

DESCRIPTION	QUANTITY	UNIT
6-INCH PIPE	280	LNFT
8-INCH PIPE	2360	LNFT
6-INCH WATER VALVE	9	EACH
8-INCH WATER VALVE	9	EACH
5-IN HYDRANT	1	EACH
1-INCH SERVICE LATERALS	6	EACH**
2-INCH SERVICE LATERALS	2	EACH**
STYROFOAM INSULATION	120	LNFT
8-IN MJ CAP	1	EACH
6-IN MJ PLUG	2	EACH
8-IN MJ PLUG	1	EACH
10-IN MJ PLUG	1	EACH
6-IN 90° BEND	12	EACH
8-IN 90° BEND	1	EACH
6-IN 45° BEND	9	EACH
8-IN 45° BEND	4	EACH
8-IN 22-1/2° BEND	3	EACH
8-IN 11-1/4° BEND	1	EACH
6X3-IN REDUCER	3	EACH
6X4-IN REDUCER	1	EACH
8X6-IN TEE	13	EACH
8X8-IN TEE	3	EACH
10X8-IN TEE	1	EACH
6X12-IN OFFSET	2	EACH
8-IN SOLID SLEEVE	1	EACH
10-IN SOLID SLEEVE	1	EACH

ESTIMATE OF REUSED AND SALVAGED MATERIALS*

DESCRIPTION	QUANTITY	TYPE
5-IN HYDRANT	6	REUSE
6-IN WATER VALVE	2	SALVAGE
10-IN WATER VALVE	1	SALVAGE

* ESTIMATES OF MATERIALS ARE FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

CONSTRUCTION NOTES:

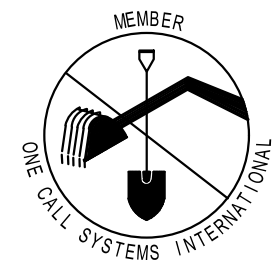
1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM SEWER CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

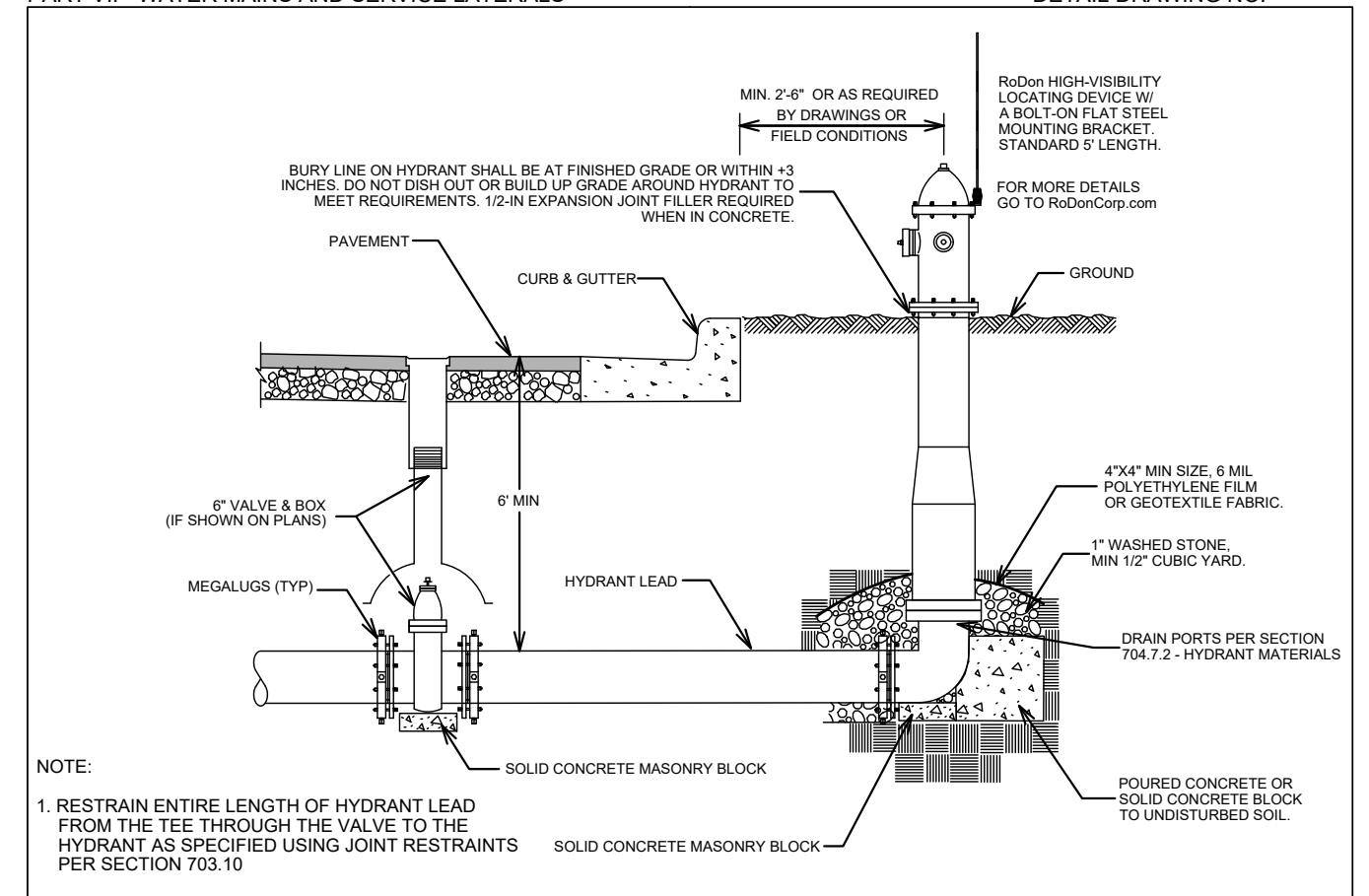
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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.



PART VII - WATER MAINS AND SERVICE LATERALS DETAIL DRAWING NO. **7.04**



CITY OF MADISON WATER UTILITY NOT TO SCALE TYPICAL HYDRANT INSTALLATION

SCALE: N/A
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 2020

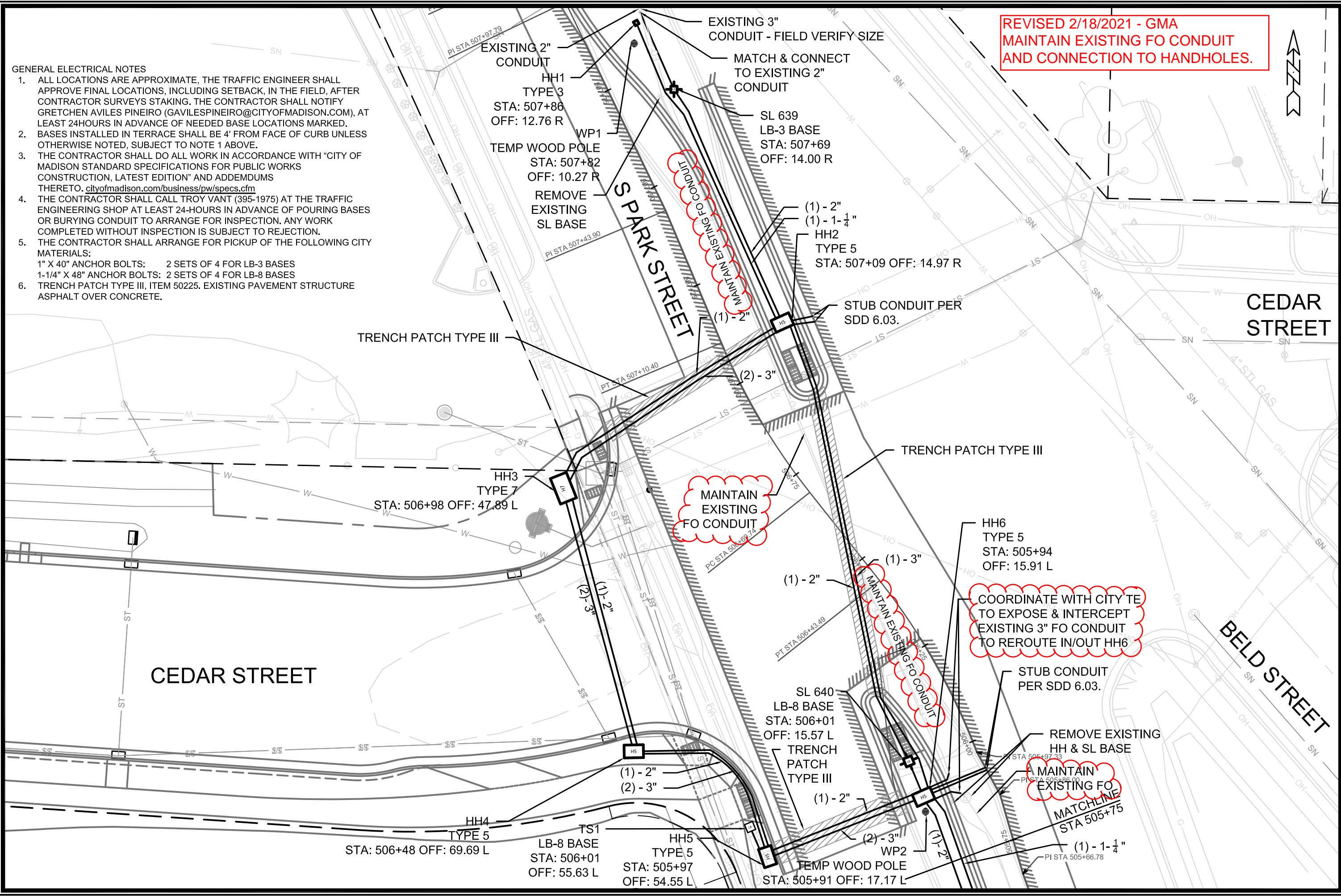
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
 WATER ESTIMATE OF MATERIALS
CITY OF MADISON, WISCONSIN
 CONTRACT NO: 8504

11866
 W-9

GENERAL ELECTRICAL NOTES

1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD, AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY GRETCHEN AVILES PINEIRO (GAVILESPINEIRO@CITYOFMADISON.COM), AT LEAST 24 HOURS IN ADVANCE OF NEEDED BASE LOCATIONS MARKED.
2. BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED, SUBJECT TO NOTE 1 ABOVE.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION" AND ADDEMDUMS THERETO. cityofmadison.com/business/pw/specs.cfm
4. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
5. THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY MATERIALS:
 1" X 40" ANCHOR BOLTS: 2 SETS OF 4 FOR LB-3 BASES
 1-1/4" X 48" ANCHOR BOLTS: 2 SETS OF 4 FOR LB-8 BASES
6. TRENCH PATCH TYPE III, ITEM 50225. EXISTING PAVEMENT STRUCTURE ASPHALT OVER CONCRETE.

**REVISED 2/18/2021 - GMA
 MAINTAIN EXISTING FO CONDUIT
 AND CONNECTION TO HANDHOLES.**



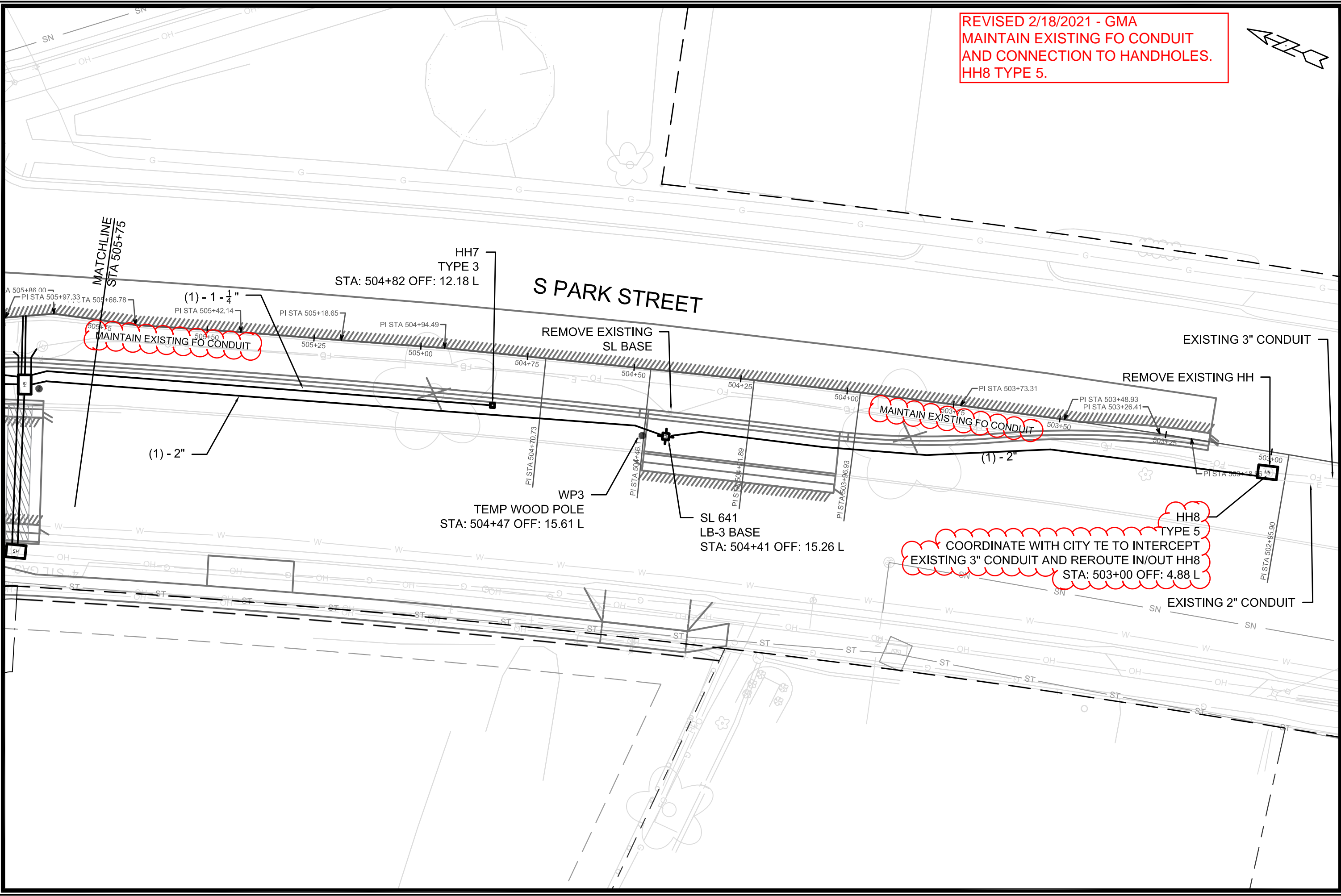
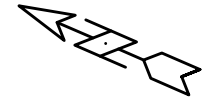
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11866
 MADISON, WI
 CONTRACT NO.: 8504

ELECTRICAL PLAN
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
 E-1

REVISED 2/18/2021 - GMA
 MAINTAIN EXISTING FO CONDUIT
 AND CONNECTION TO HANDHOLES.
 HH8 TYPE 5.



MARK	REVISION	DATE	BY
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11866
 MADISON, WI
 8504
 CONTRACT NO.:
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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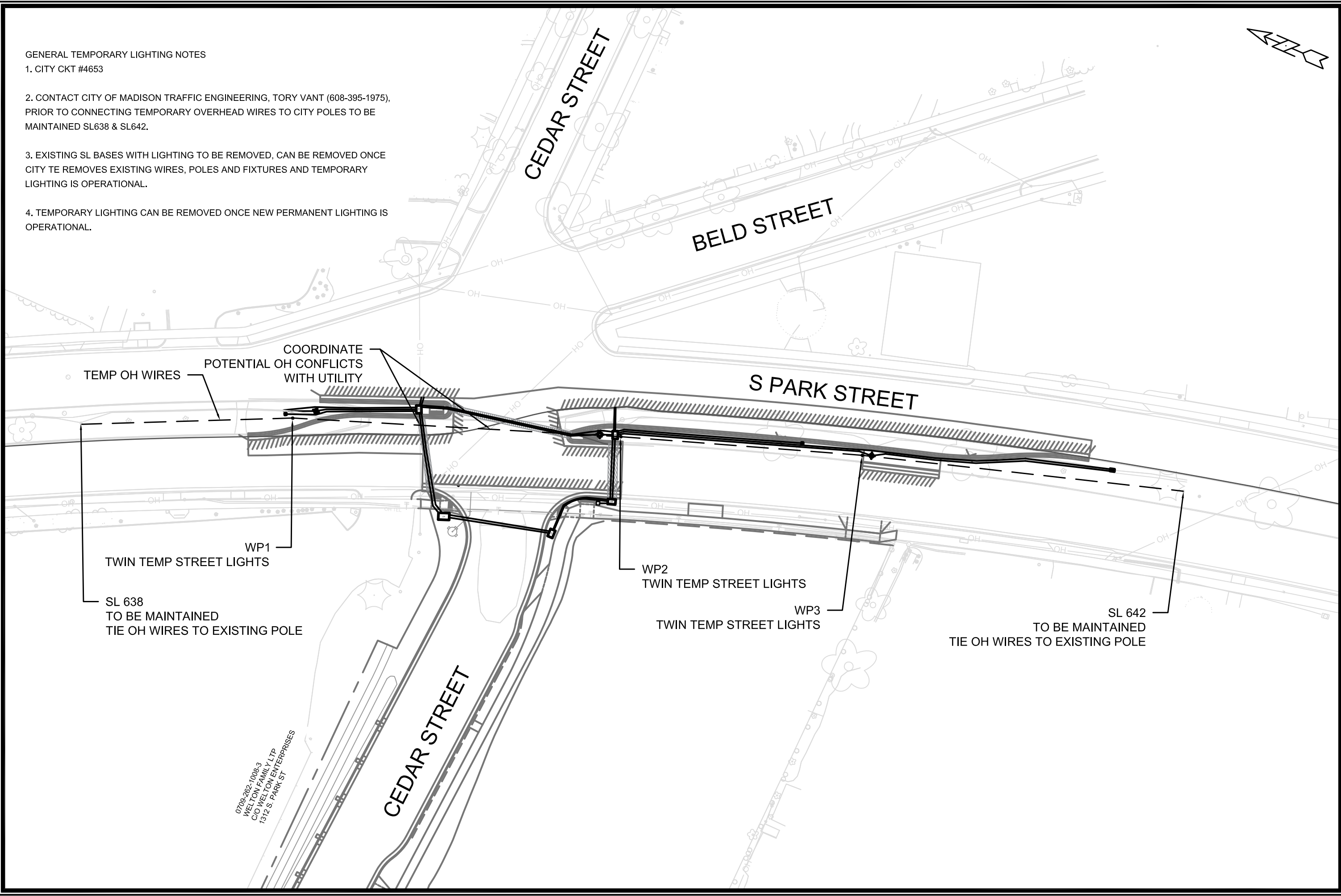
ELECTRICAL PLAN



11866
 E-2

GENERAL TEMPORARY LIGHTING NOTES

1. CITY CKT #4653
2. CONTACT CITY OF MADISON TRAFFIC ENGINEERING, TORY VANT (608-395-1975), PRIOR TO CONNECTING TEMPORARY OVERHEAD WIRES TO CITY POLES TO BE MAINTAINED SL638 & SL642.
3. EXISTING SL BASES WITH LIGHTING TO BE REMOVED, CAN BE REMOVED ONCE CITY TE REMOVES EXISTING WIRES, POLES AND FIXTURES AND TEMPORARY LIGHTING IS OPERATIONAL.
4. TEMPORARY LIGHTING CAN BE REMOVED ONCE NEW PERMANENT LIGHTING IS OPERATIONAL.



0709-282-1008-3
 WELTON FAMILY LTP
 C/O WELTON ENTERPRISES
 1312 S. PARK ST

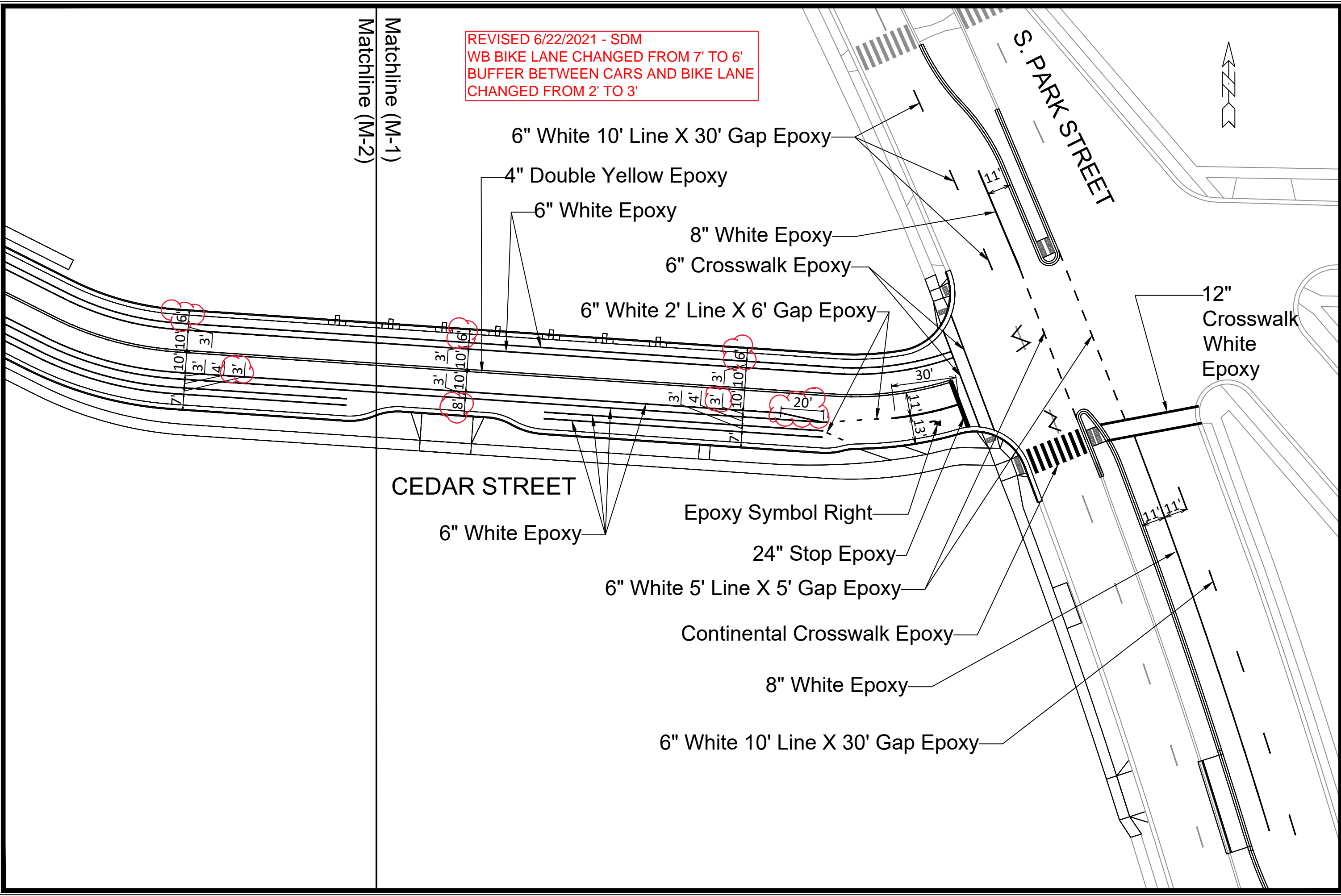
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 MADISON, WI
 CONTRACT NO: 8504
 TEMPORARY LIGHTING PLAN
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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REVISED 6/22/2021 - SDM
WB BIKE LANE CHANGED FROM 7' TO 6'
BUFFER BETWEEN CARS AND BIKE LANE
CHANGED FROM 2' TO 3'

Matchline (M-1)
Matchline (M-2)



MARK	REVISION	DATE	BY
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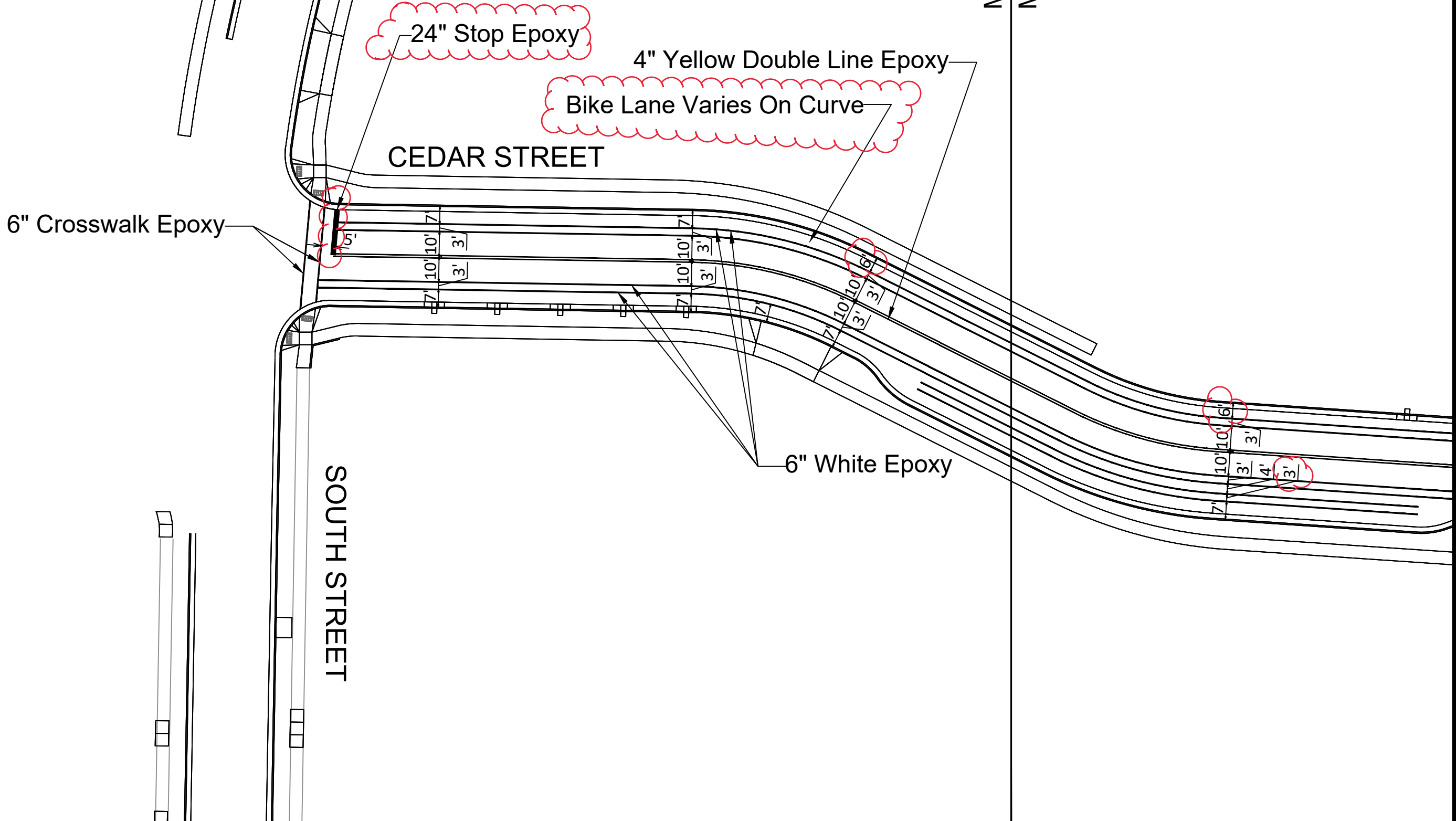
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MADISON, WI
8504
CONTRACT NO:

PAVEMENT MARKING PLAN
CEDAR STREET
M:\DESIGN\Projects\11866\CAD\Traffic\11866TE-Pvmt-Mrk2.dwg



11866
M-1

REVISED 6/22/2021 - SDM
 WB BIKE LANE CHANGED FROM 7' TO 6'
 BUFFER BETWEEN CARS AND BIKE
 LANE CHANGED FROM 2' TO 3'
 STOP BAR ADDED AT CEDAR/SOUTH
 INTERSECTION



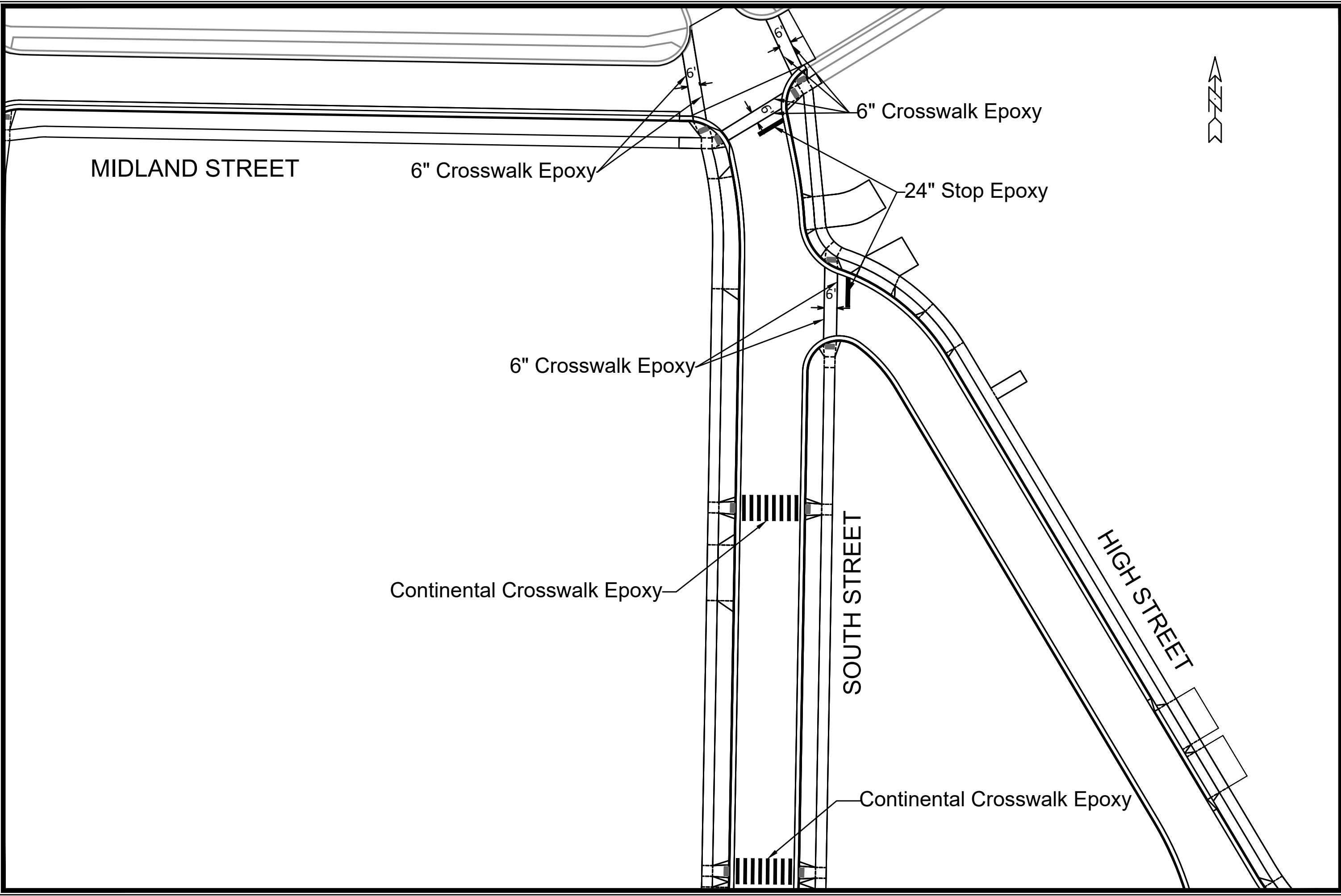
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 MADISON, WI
 8504
 CONTRACT NO:

PAVEMENT MARKING PLAN
 CEDAR STREET
 M:\DESIGN\Projects\11866\CAD\Traffic\11866TE-Pvmt-Mrk2.dwg



11866
 M-2



MIDLAND STREET

6" Crosswalk Epoxy

6" Crosswalk Epoxy

24" Stop Epoxy

6" Crosswalk Epoxy

Continental Crosswalk Epoxy

SOUTH STREET

HIGH STREET

Continental Crosswalk Epoxy

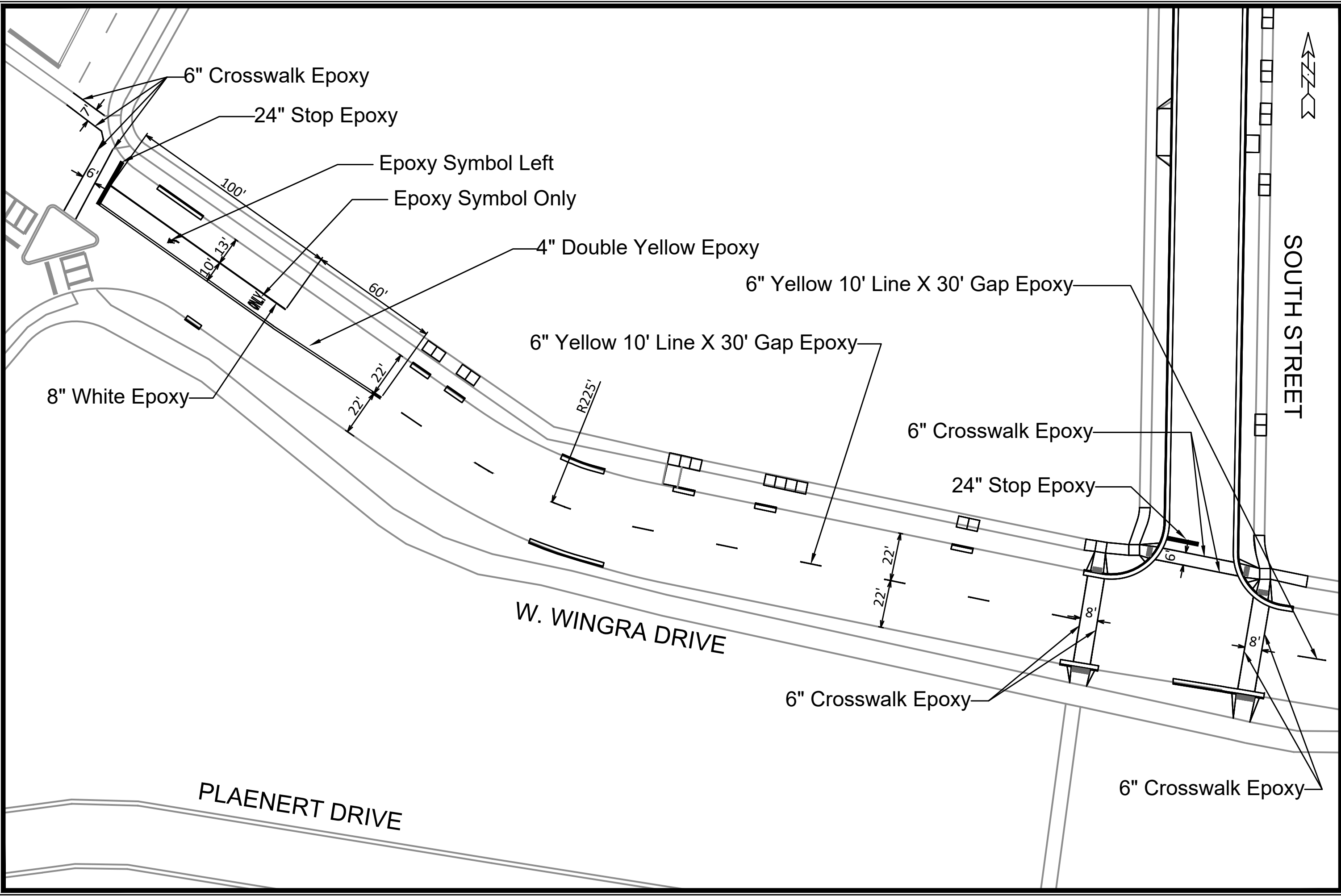
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MADISON.WI
8559
CONTRACT NO:

PAVEMENT MARKING PLAN
SOUTH STREET
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12956
M-3

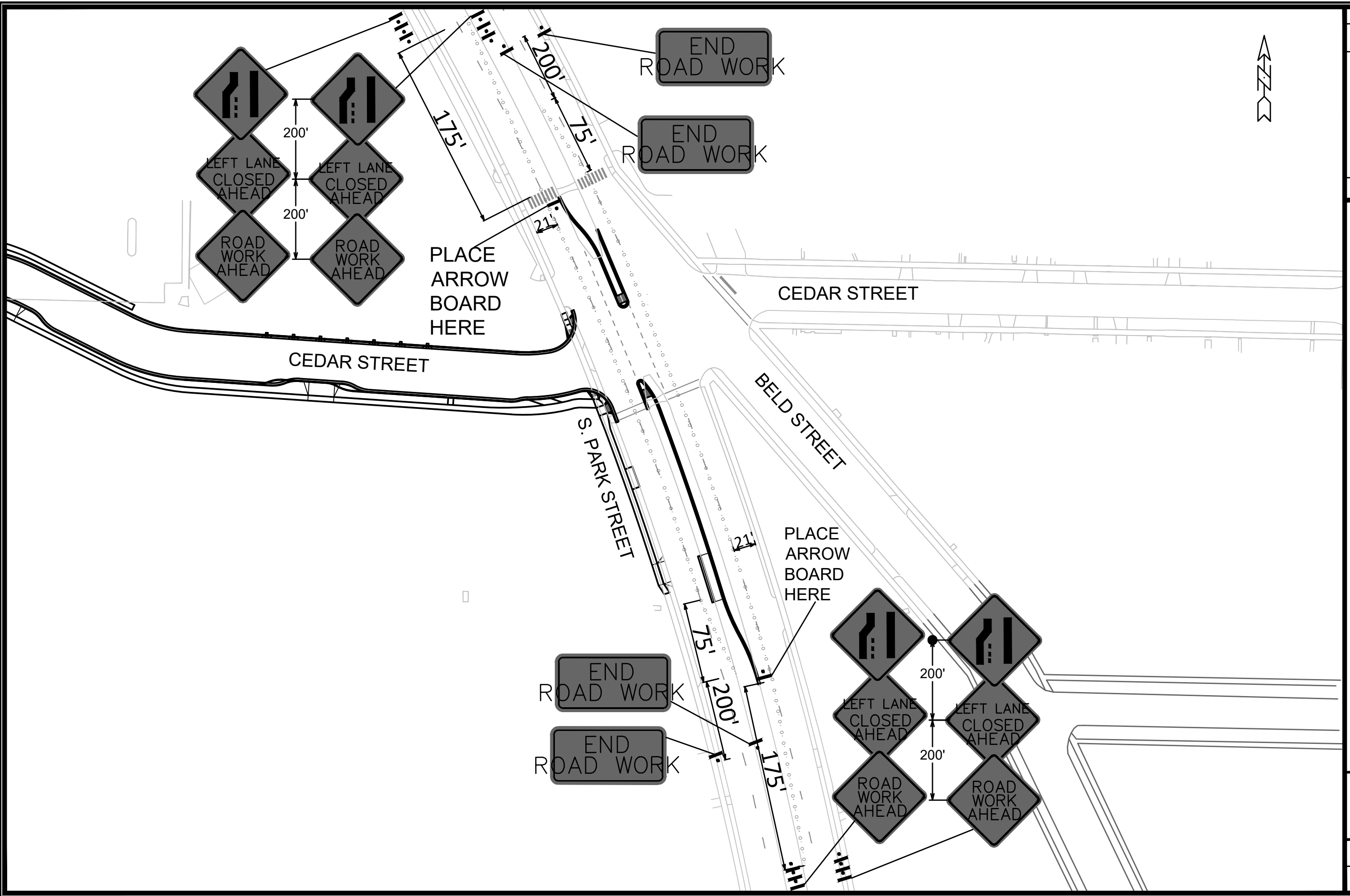


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 M-4

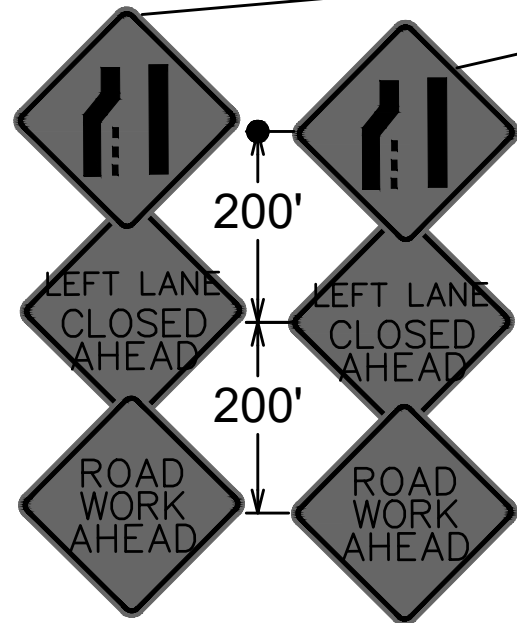


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11866
 MADISON, WI
 CONTRACT NO: ----
 TRAFFIC CONTROL PLAN
 CEDAR STREET
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11866
 TC-1



PLACE
ARROW
BOARD
HERE

CEDAR STREET

WORK
ZONE

WORK
ZONE

END
ROAD WORK

END
ROAD WORK

S. PARK STREET

CEDAR STREET

175'

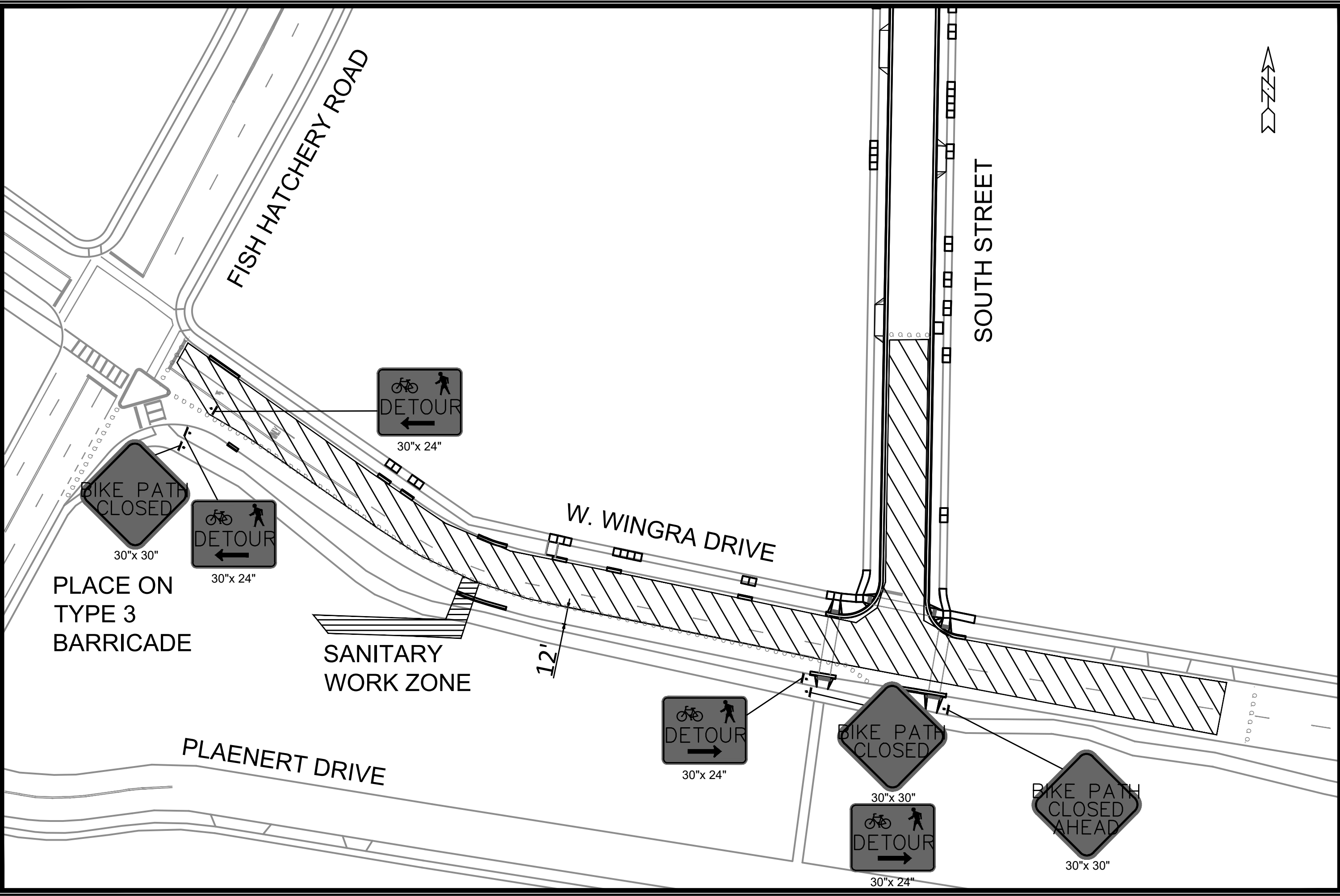
12'


150'

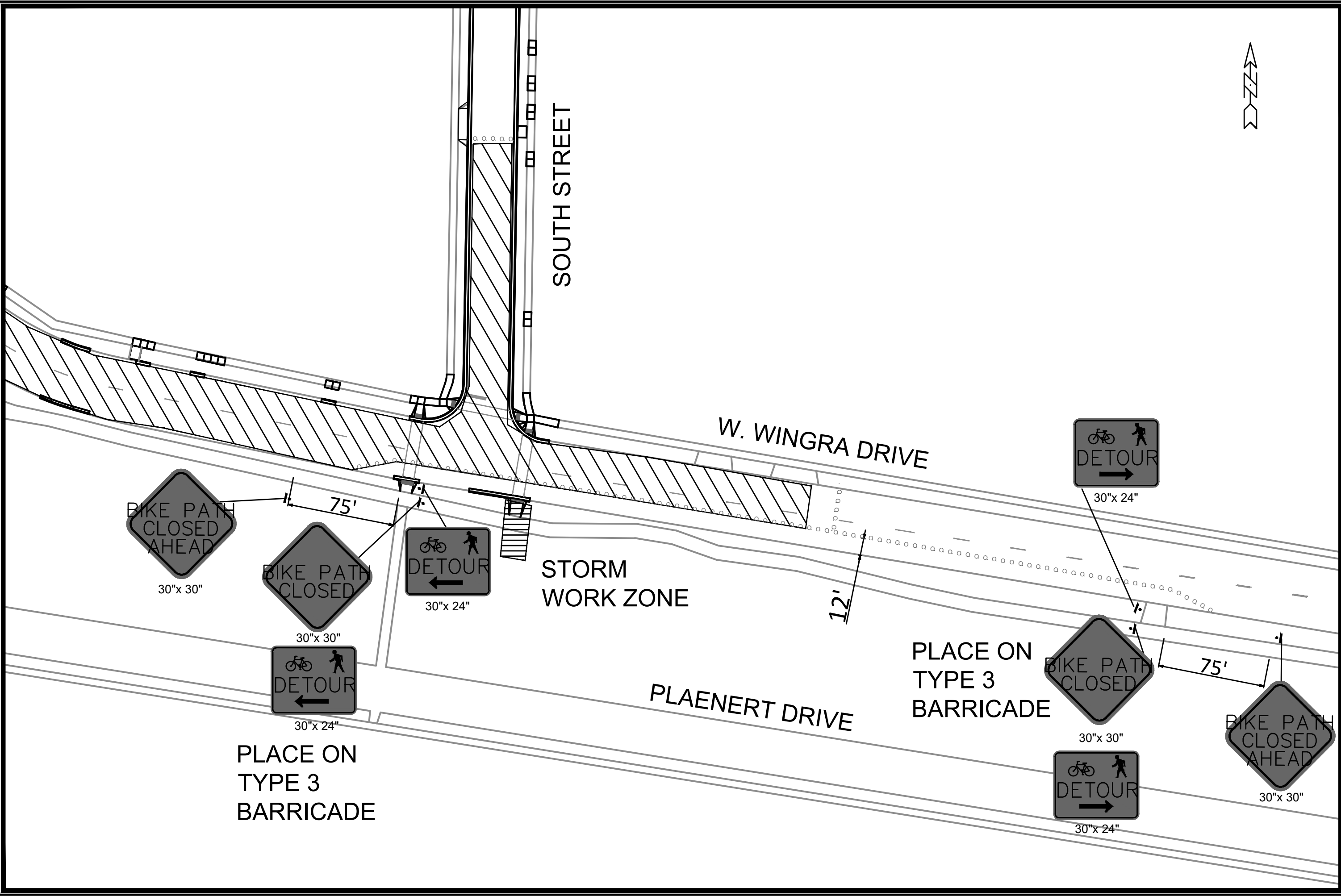
200'

200'

TRAFFIC CONTROL PLAN	11866	MARK	REVISION	DATE	BY
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	11866				
	TC-2				



	12956		TC-3A
	MADISON.WI		---
PATH DETOUR PLAN		CONTRACT NO:	
WEST WINGRA DRIVE		---	
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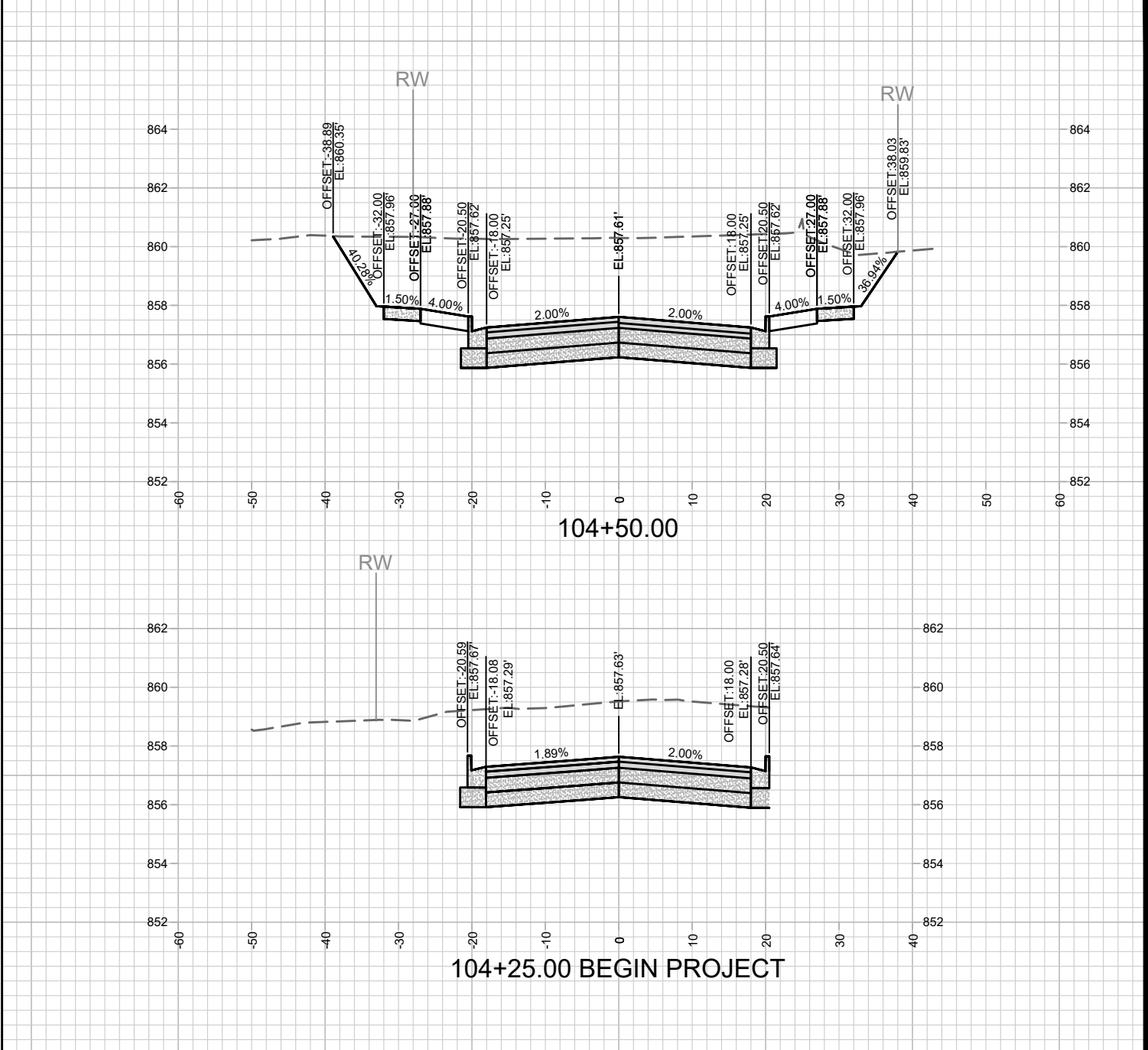
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12956
MADISON.WI
CONTRACT NO: ----

PATH DETOUR PLAN
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12956
TC-3B

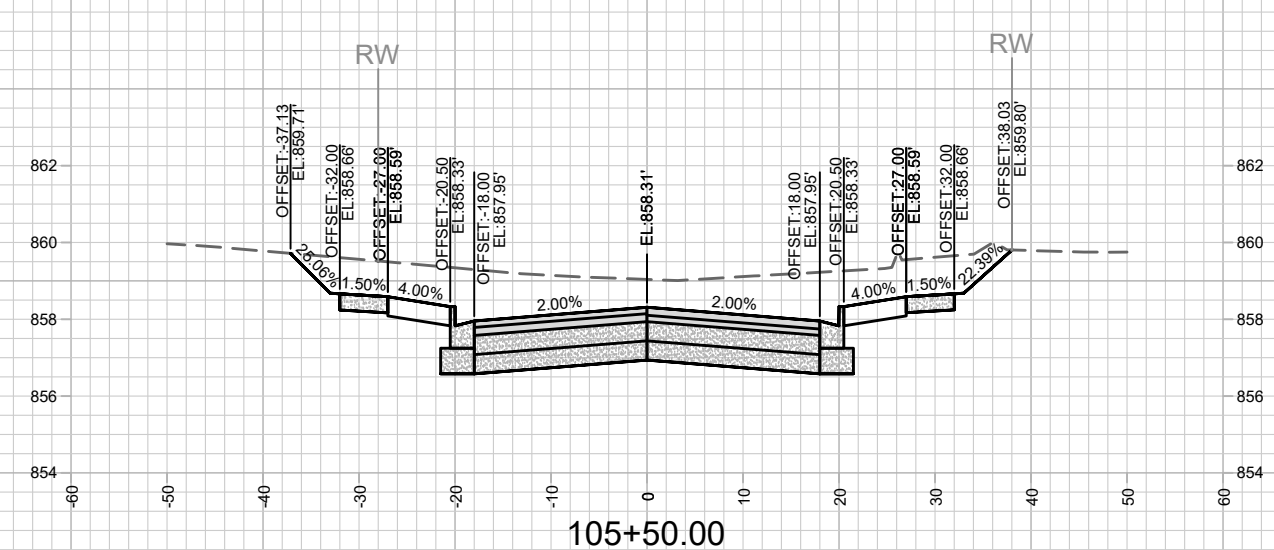
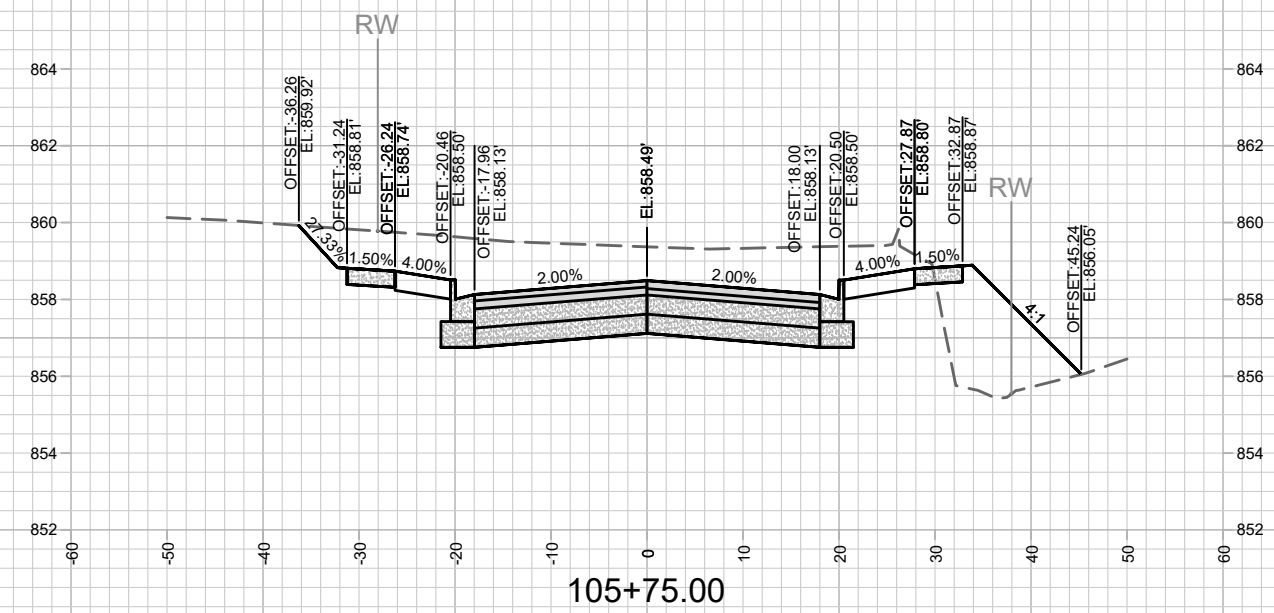
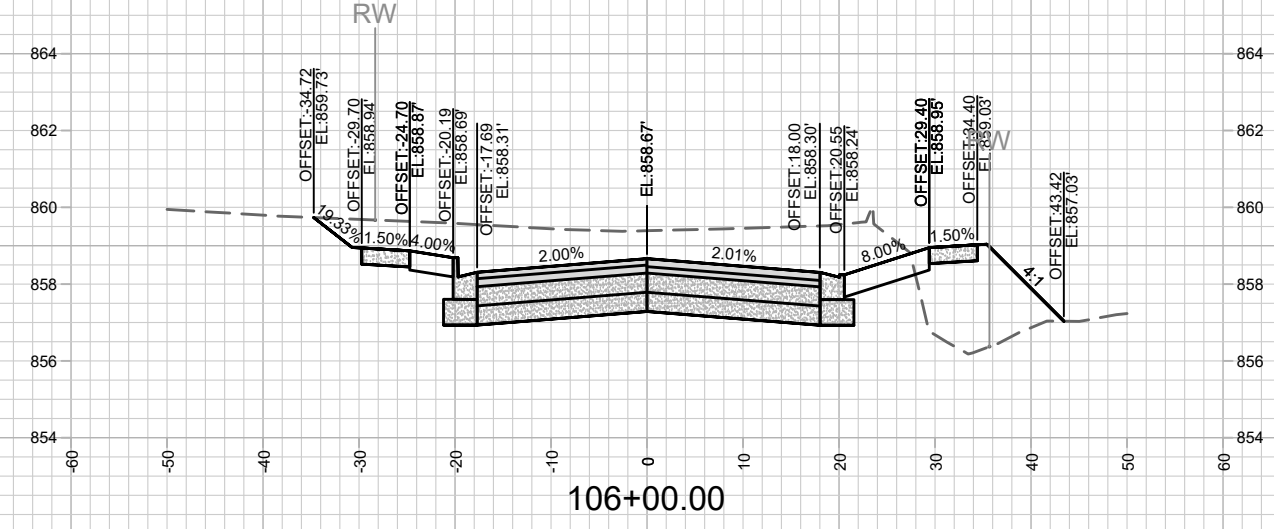
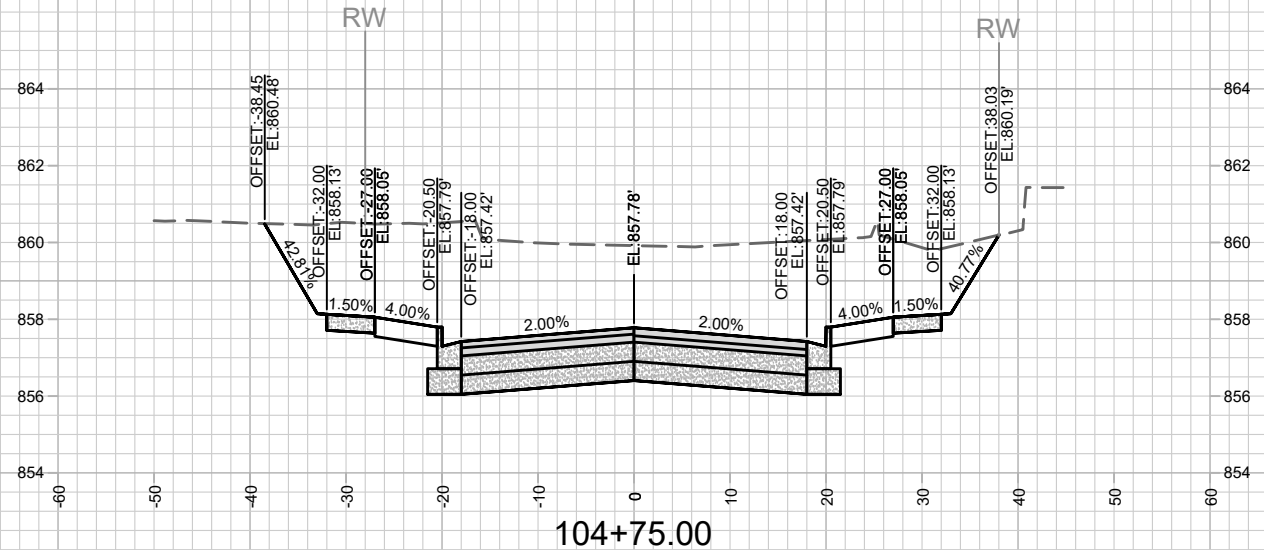
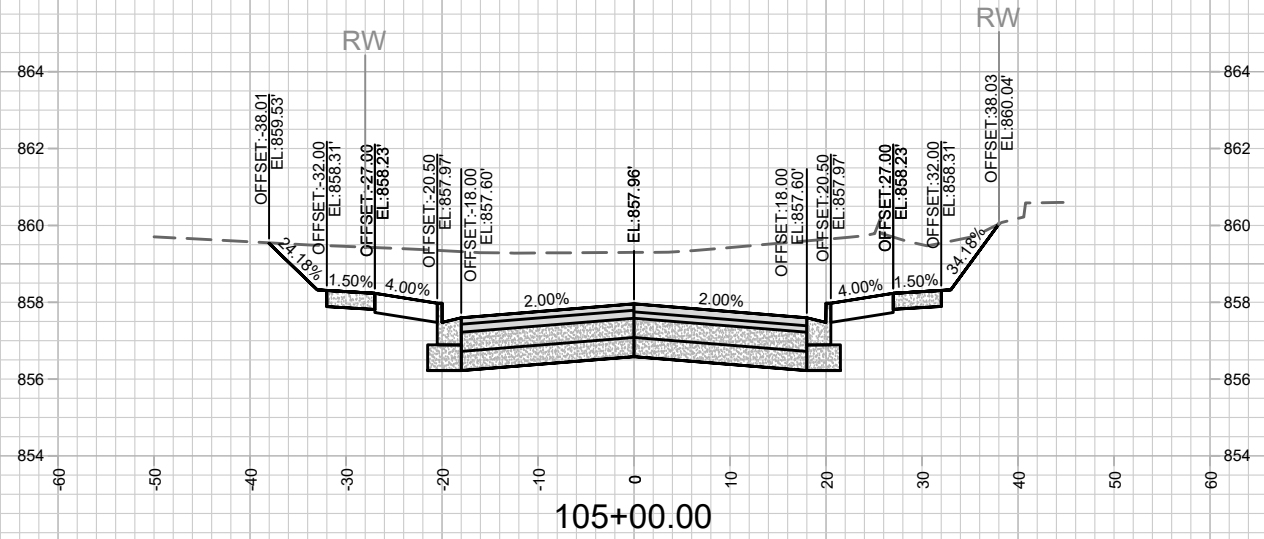
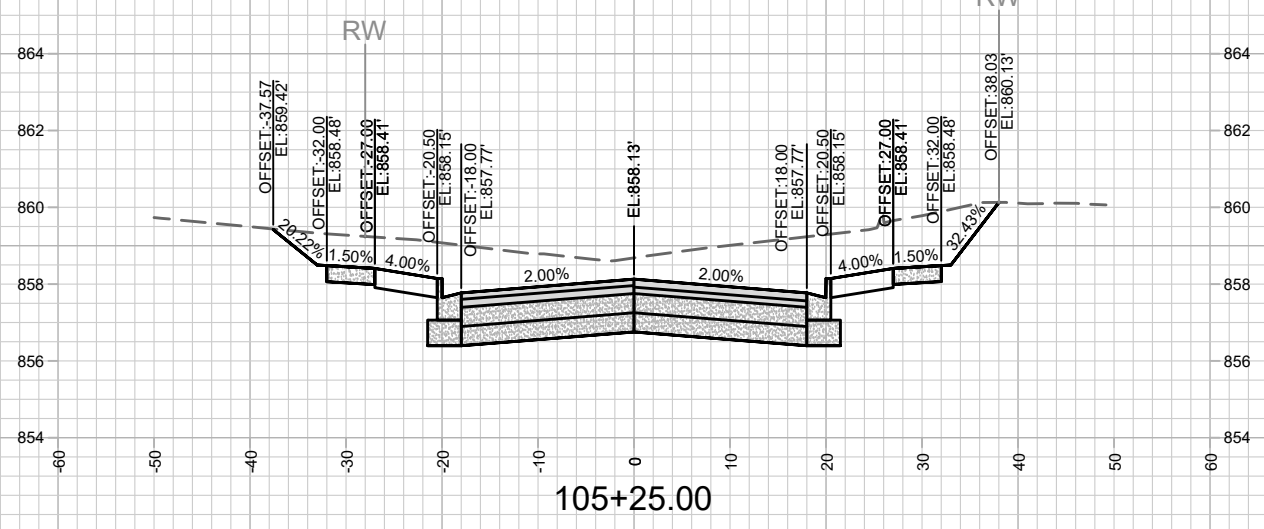


MARK	REVISION	DATE	BY

11866
 MADISON, WI
 CONTRACT NO: 8504

CEDAR STREET
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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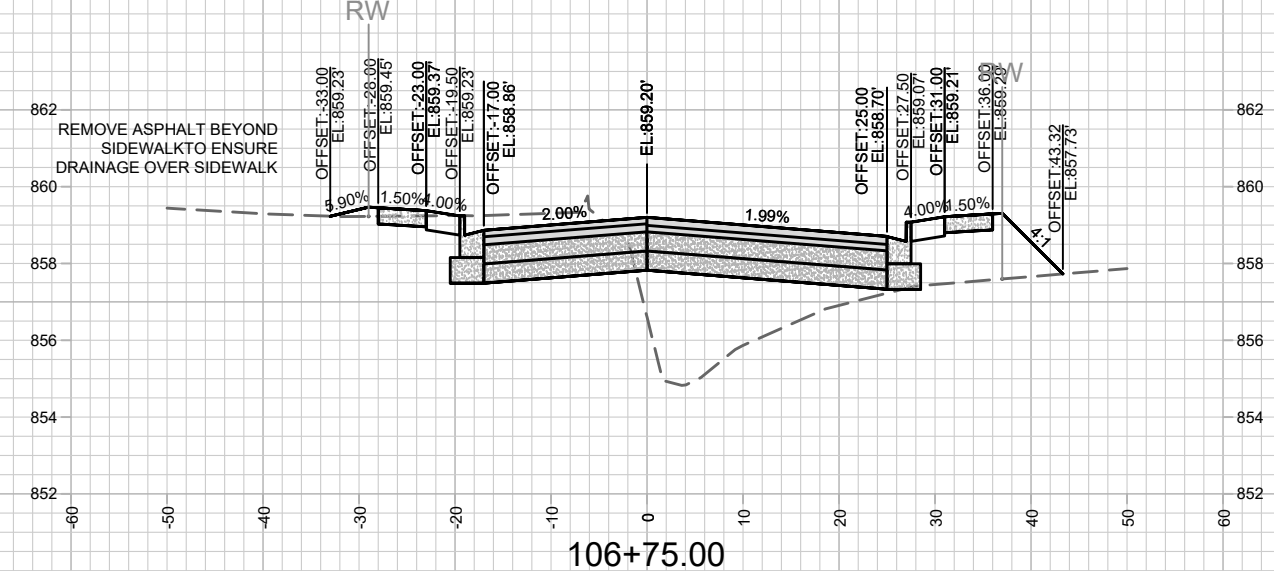
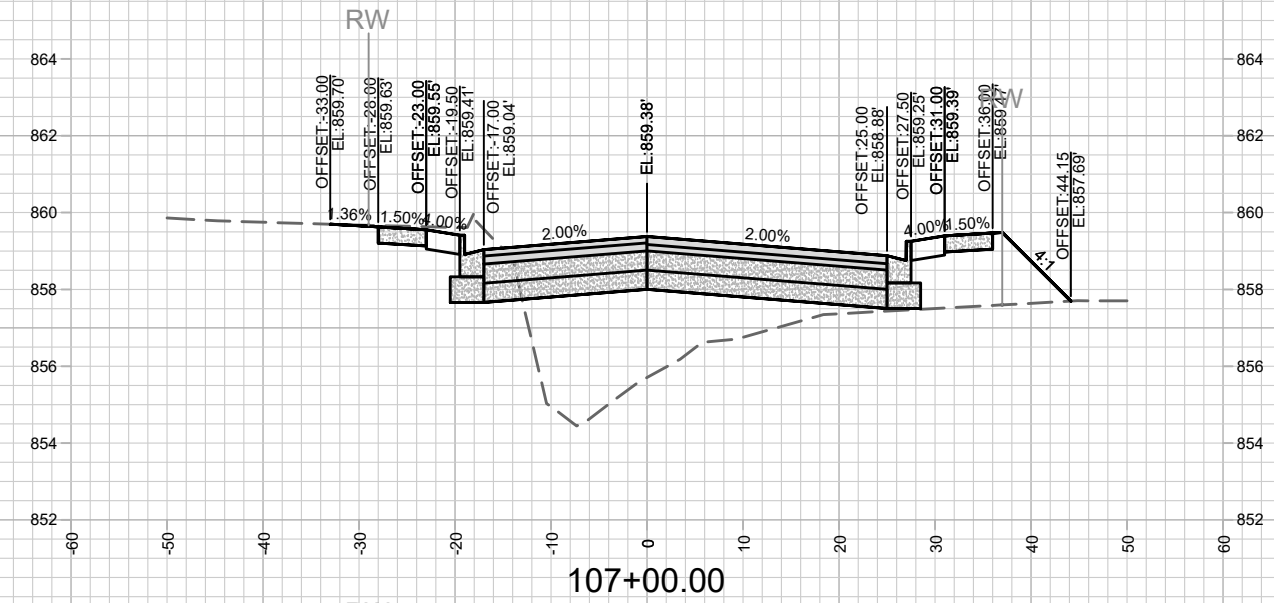
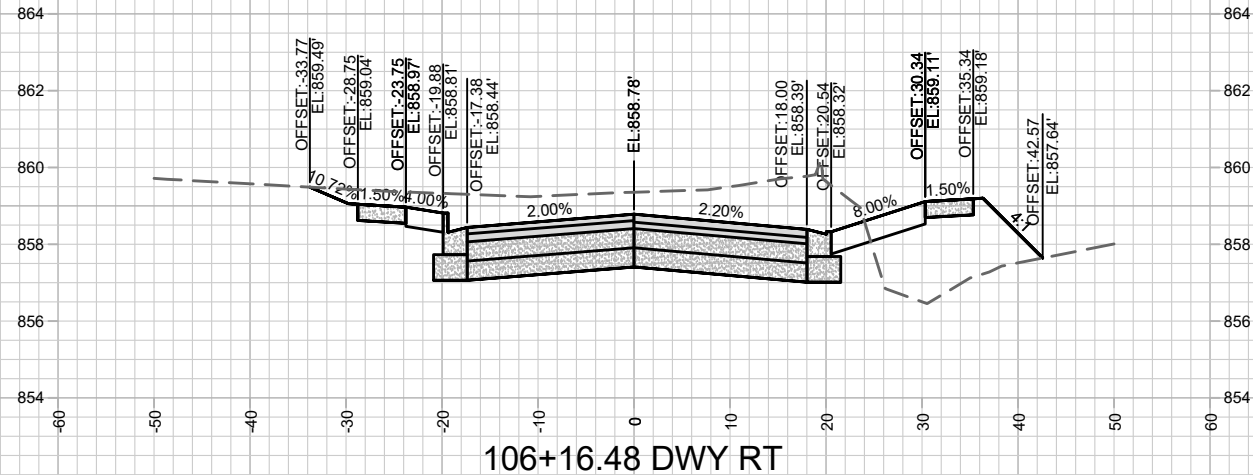
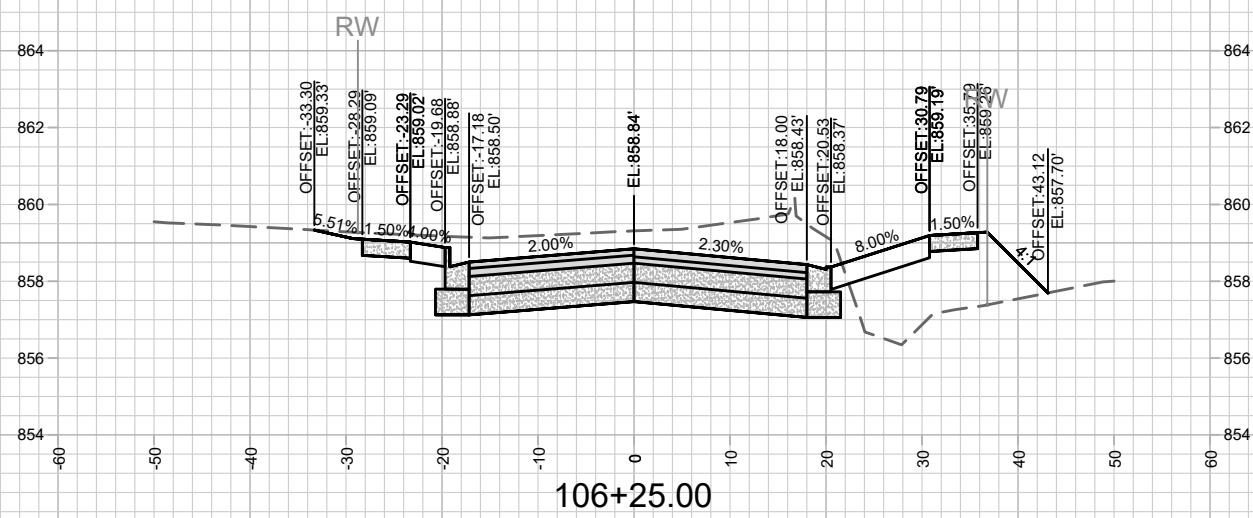
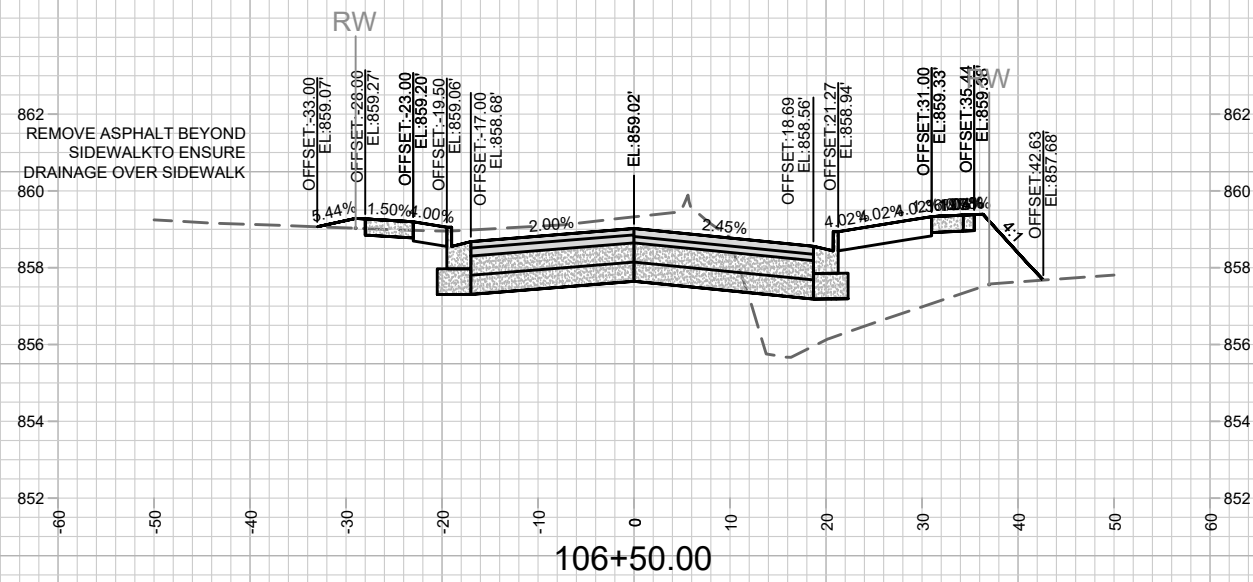


MARK	REVISION	DATE	BY

11866
 MADISON, WI
 CONTRACT NO: 8504

CEDAR STREET
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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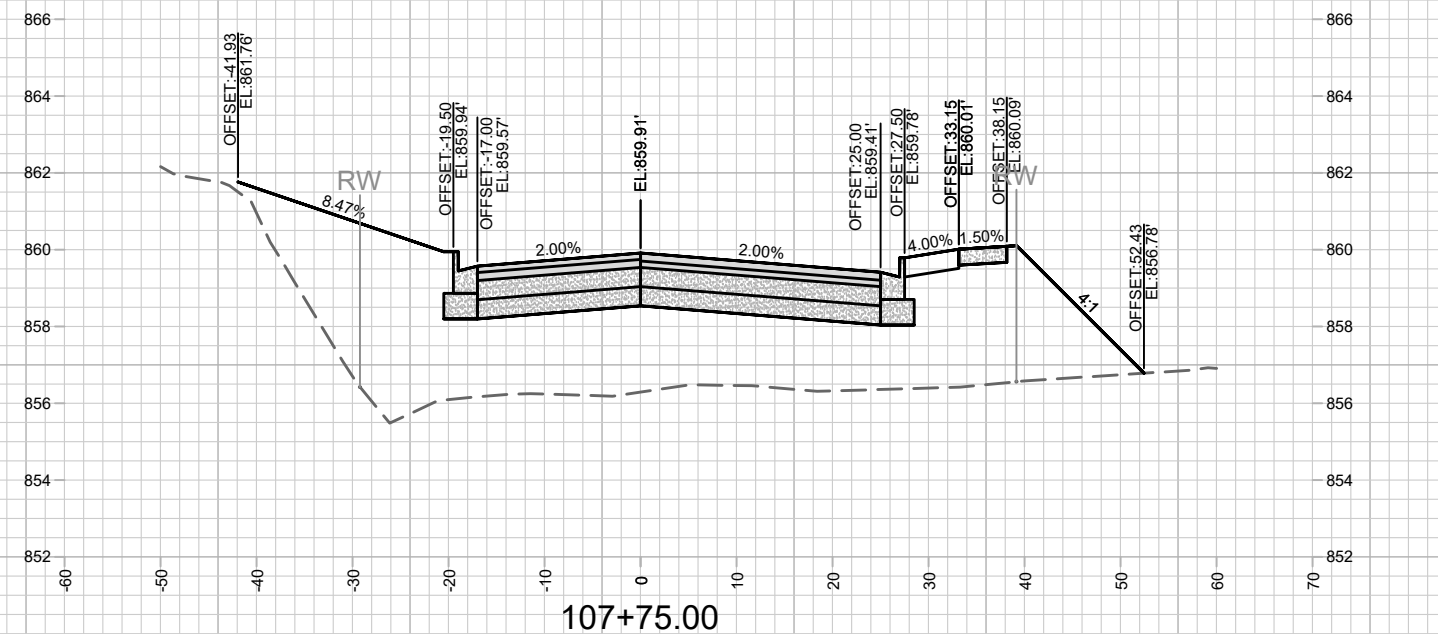
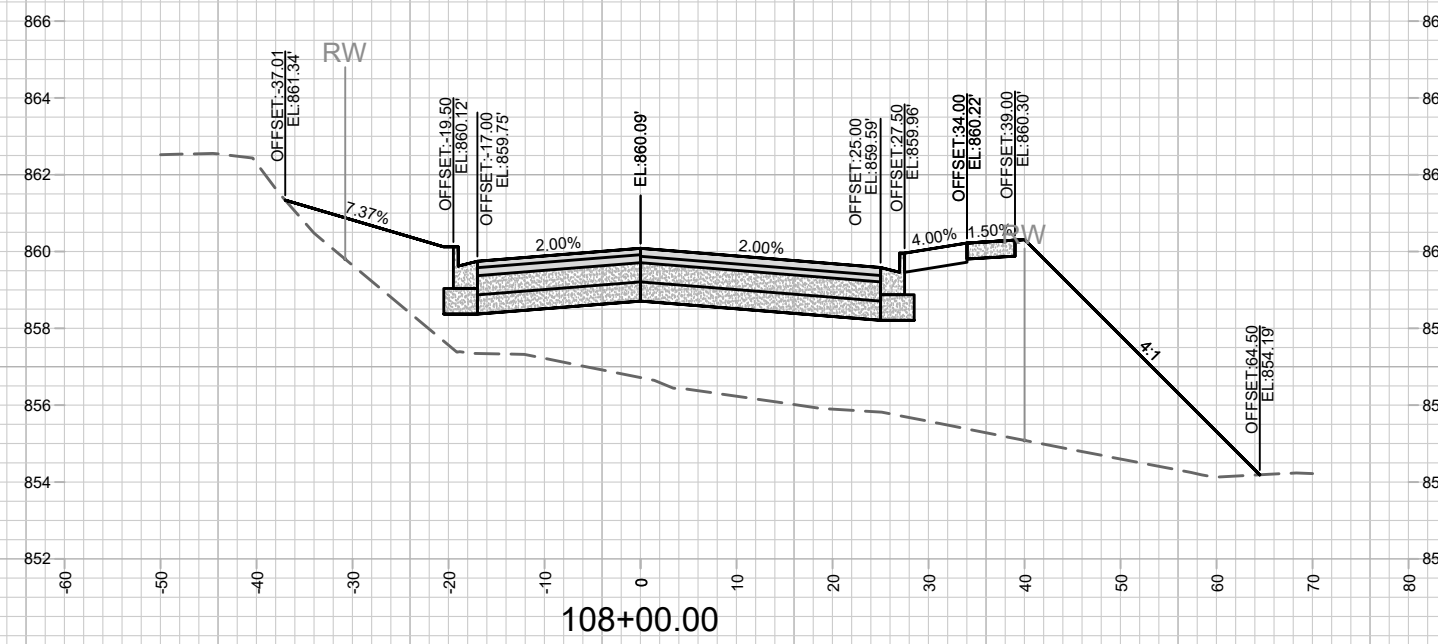
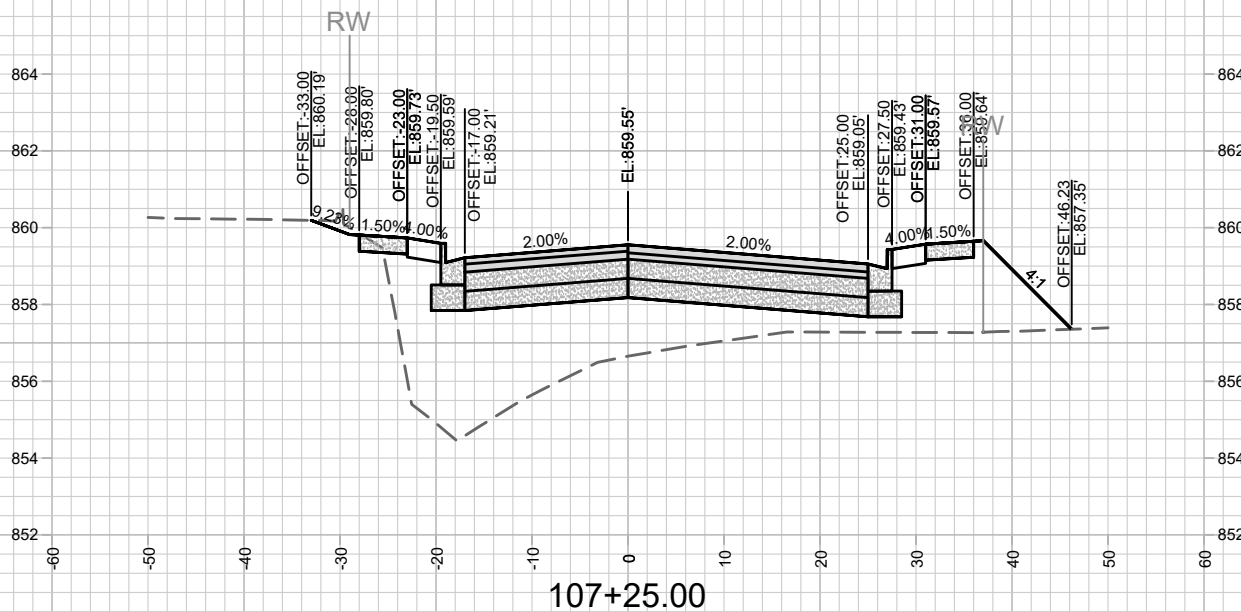
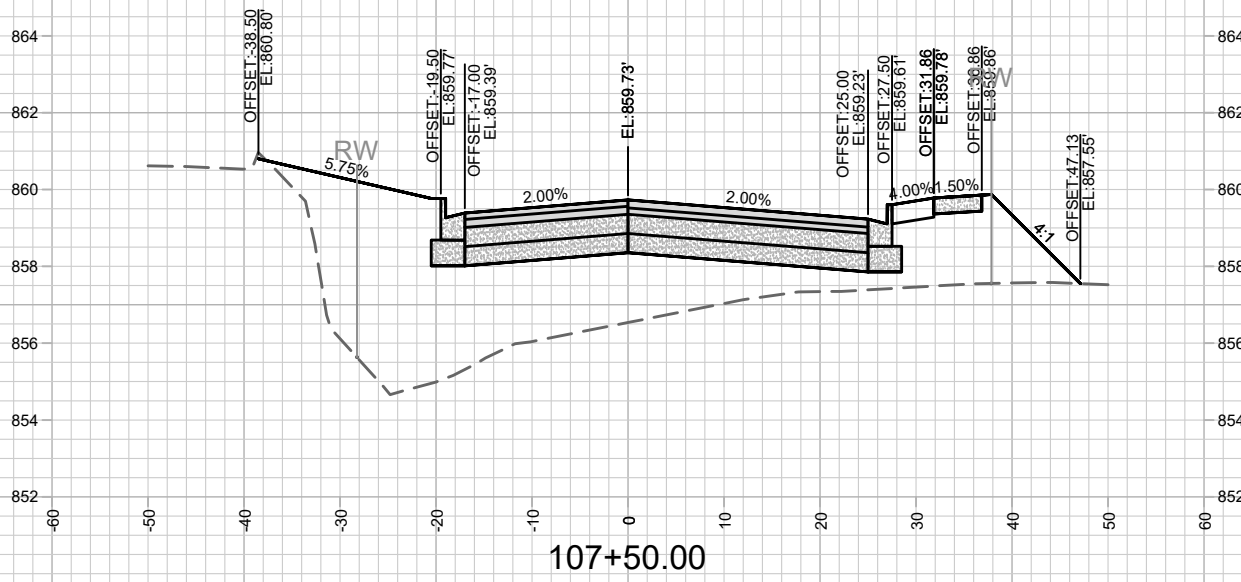
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X-3

11866
MADISON, WI
8504
CONTRACT NO:

CEDAR STREET
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT

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11866
X-3



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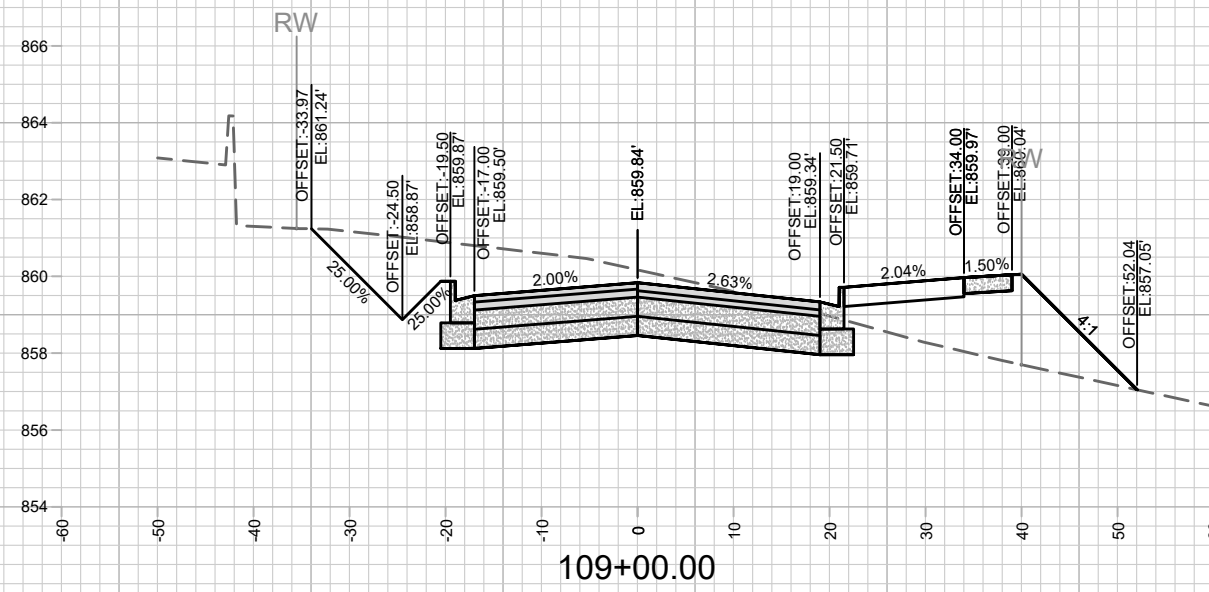
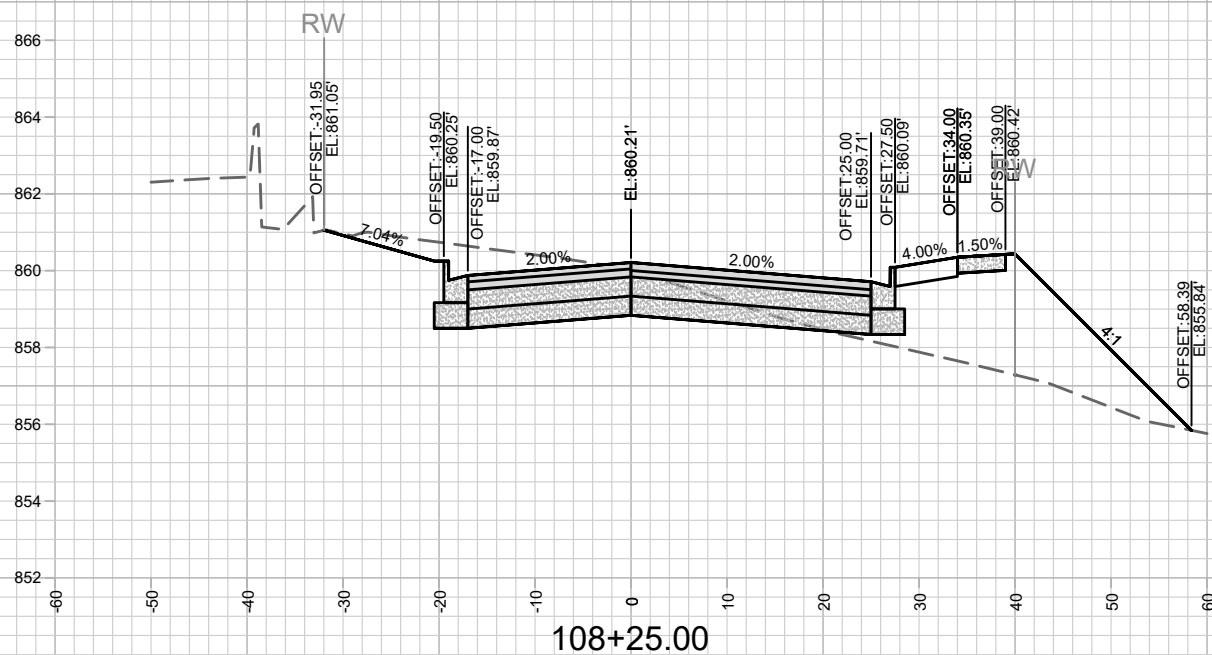
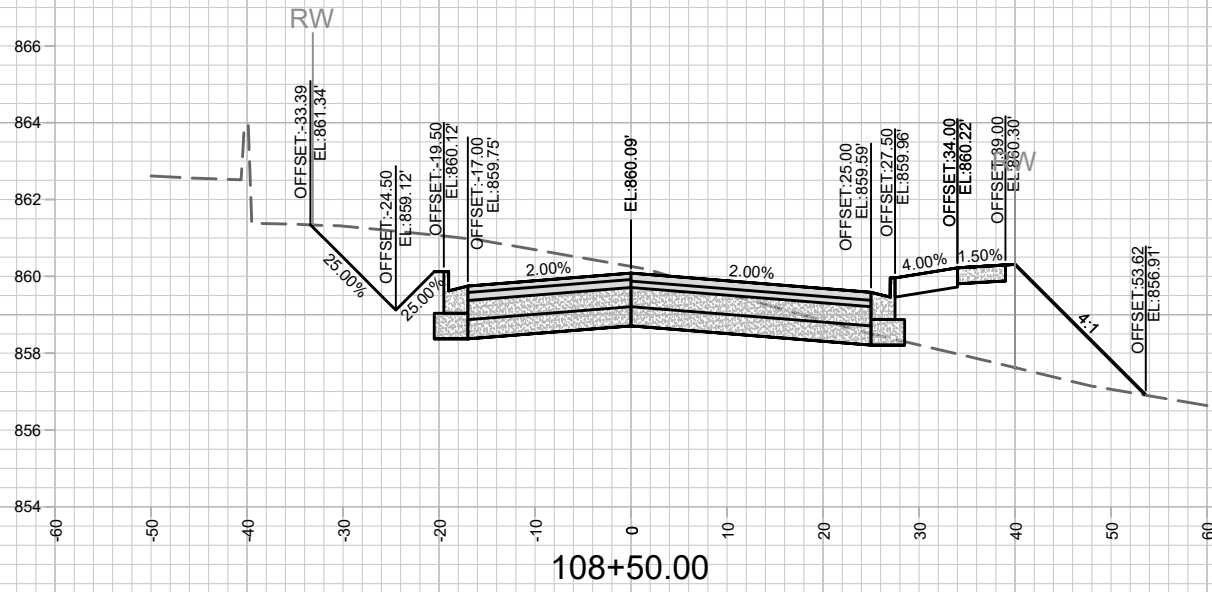
11866
 MADISON, WI
 8504
 CONTRACT NO:

CEDAR STREET
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
 X-4

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 X-4



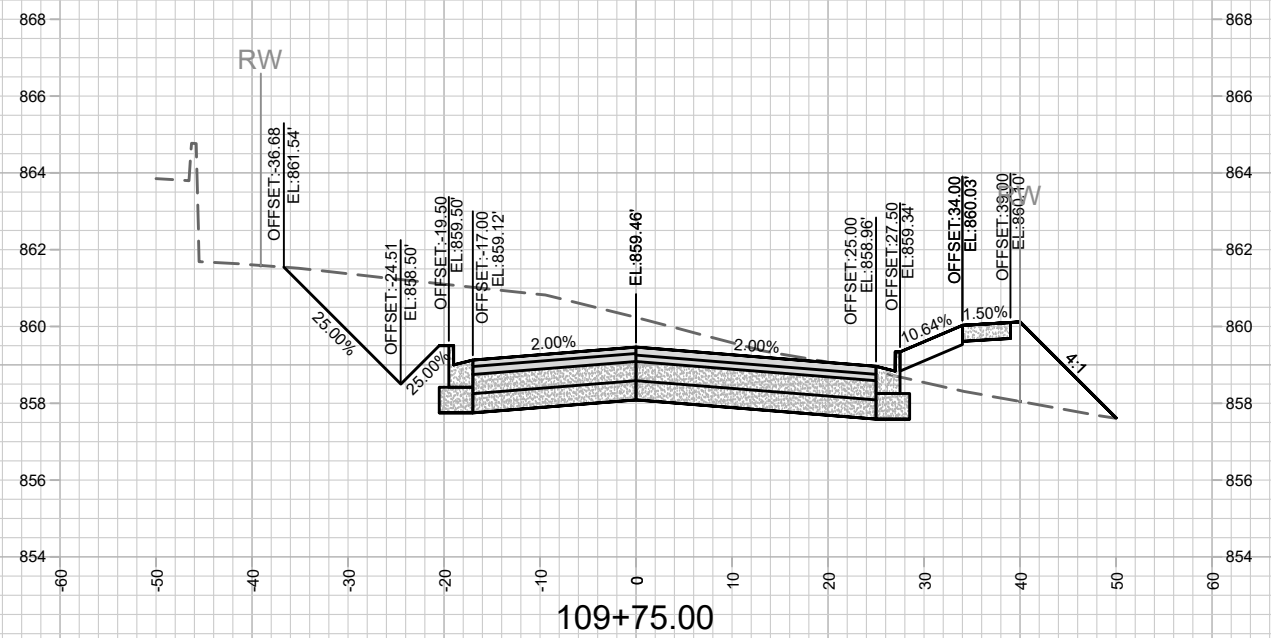
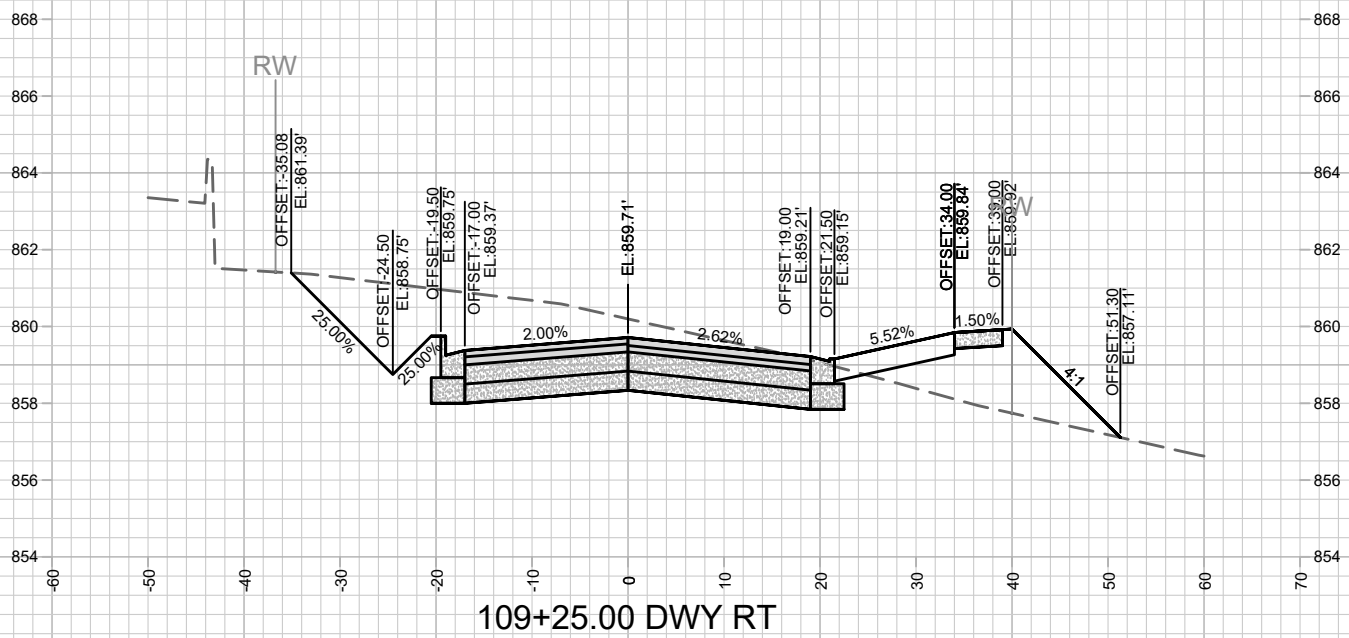
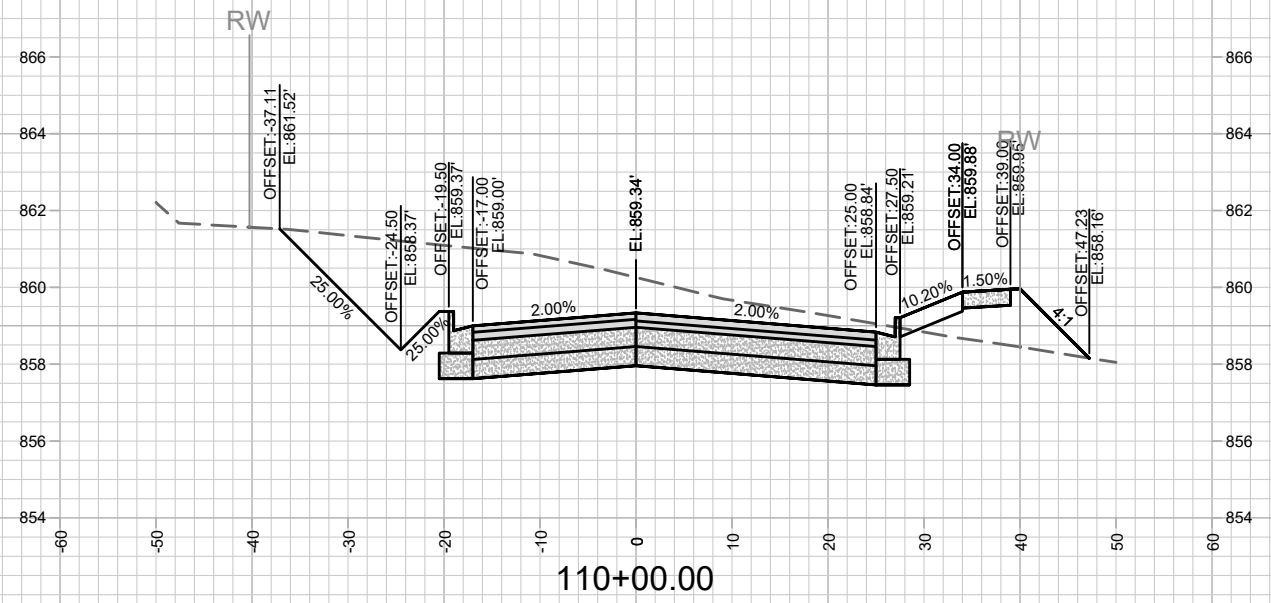
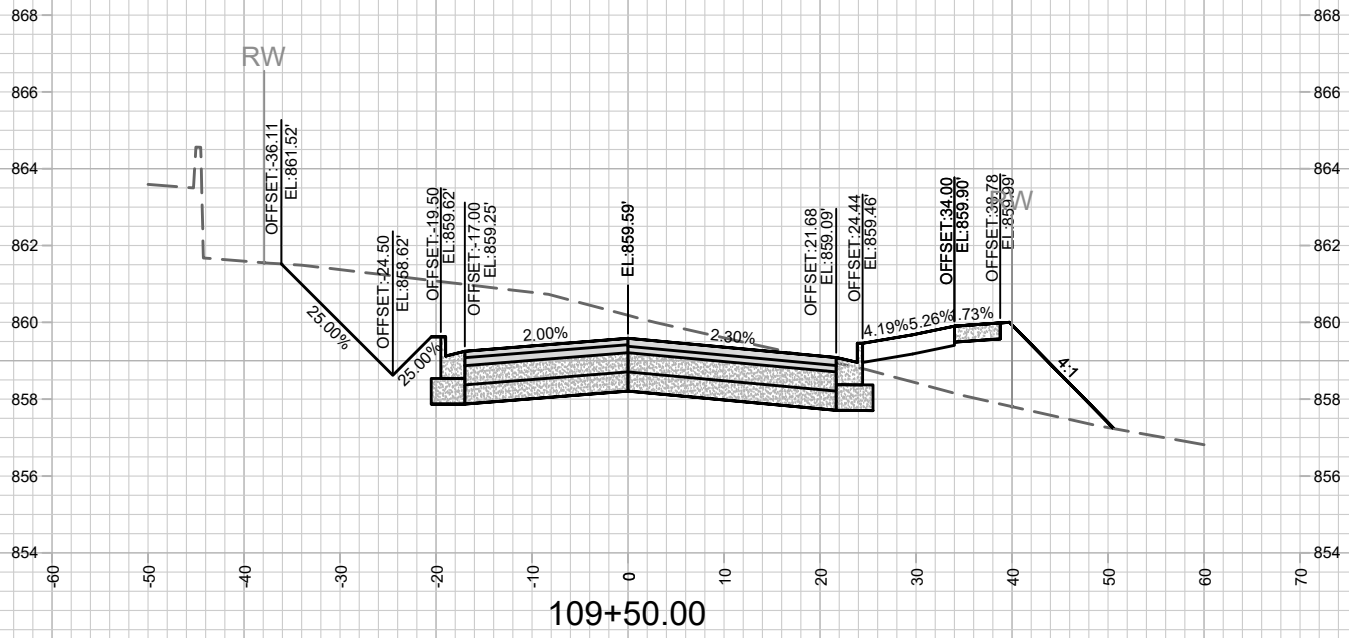
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11866
 MADISON, WI
 8504
 CONTRACT NO:

CEDAR STREET
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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 X-5

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 X-5



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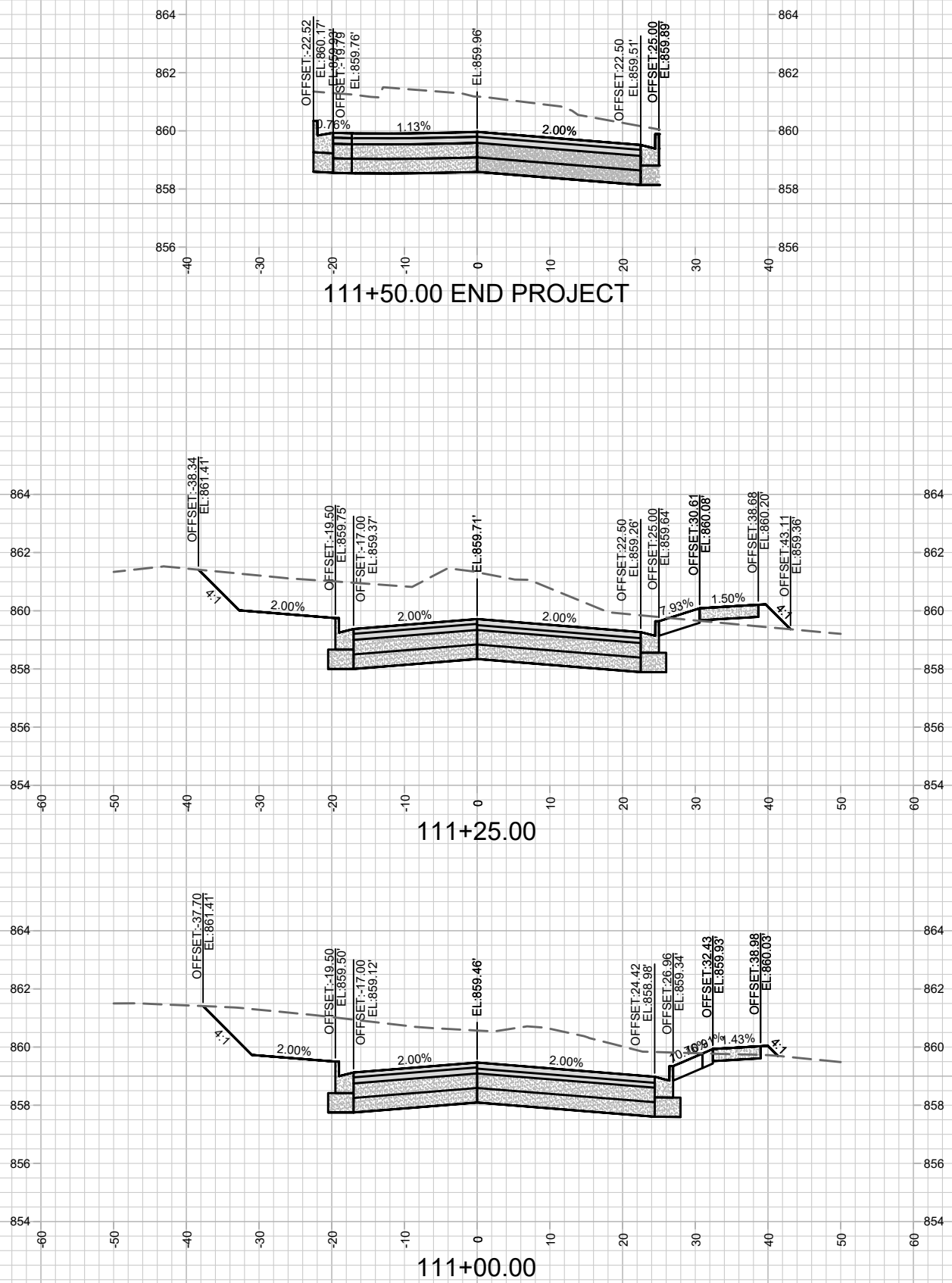
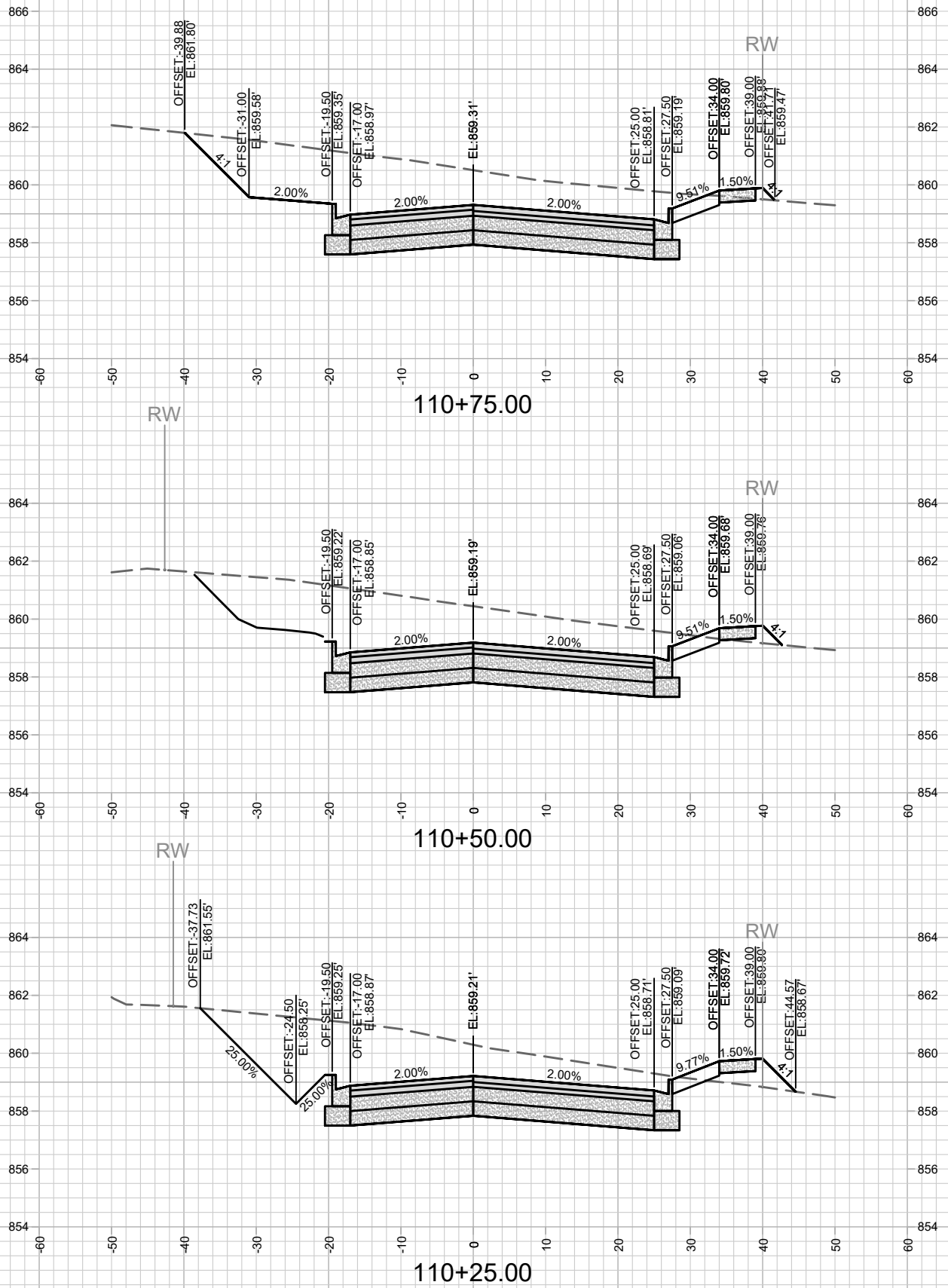
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MADISON, WI
8504
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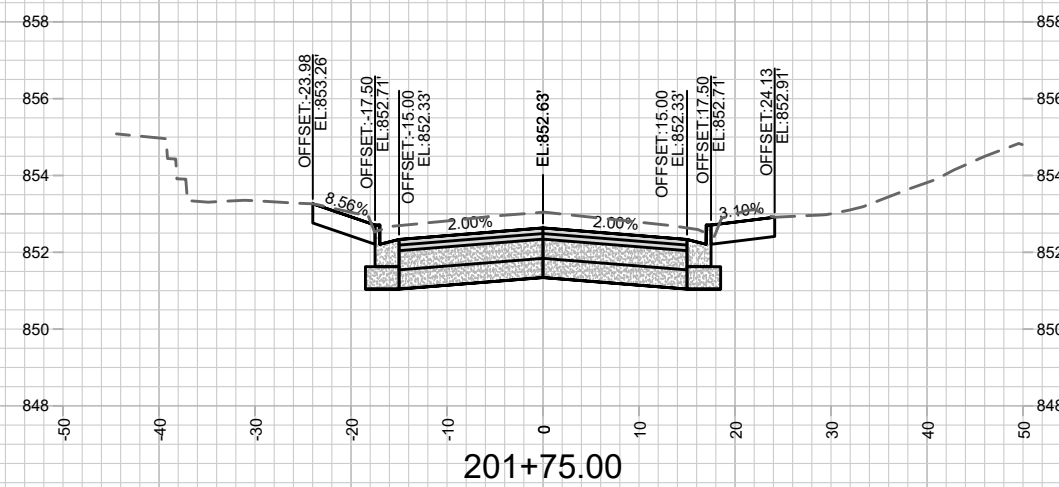
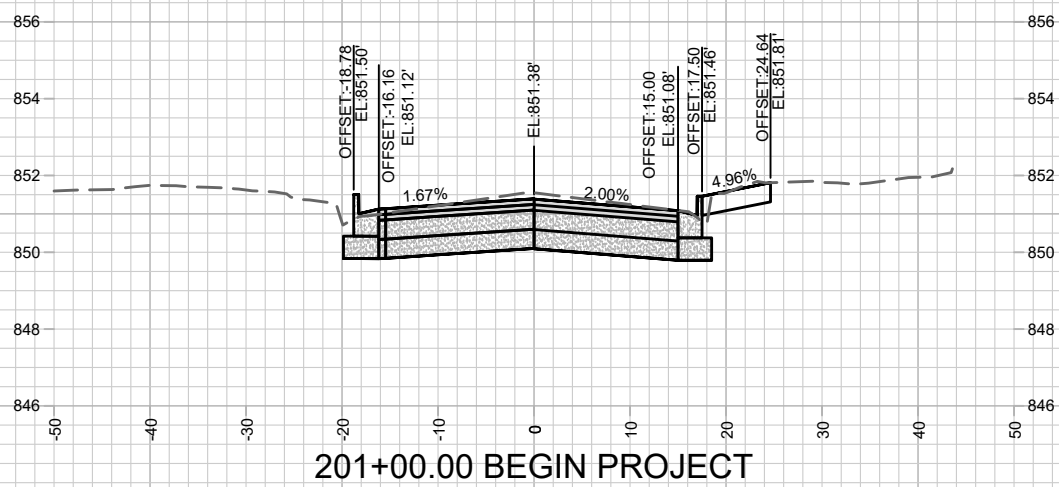
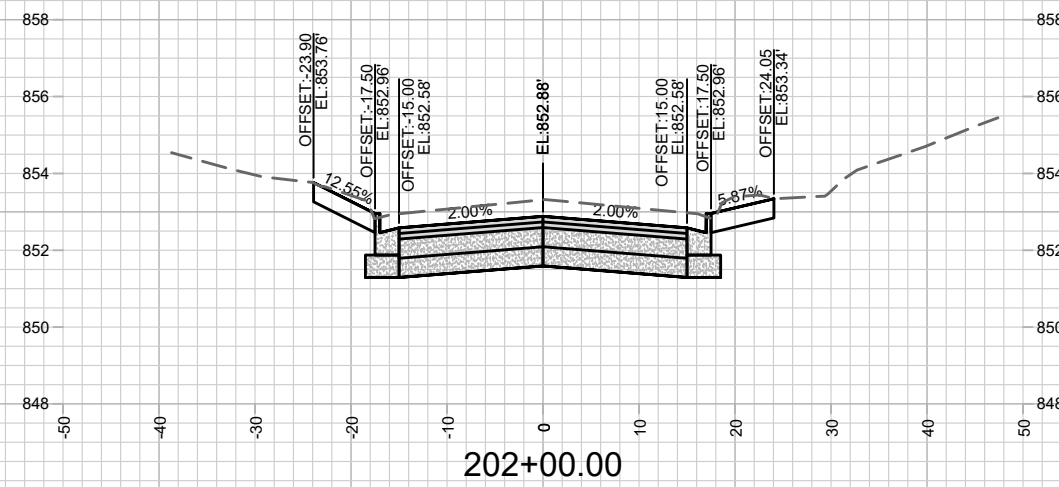
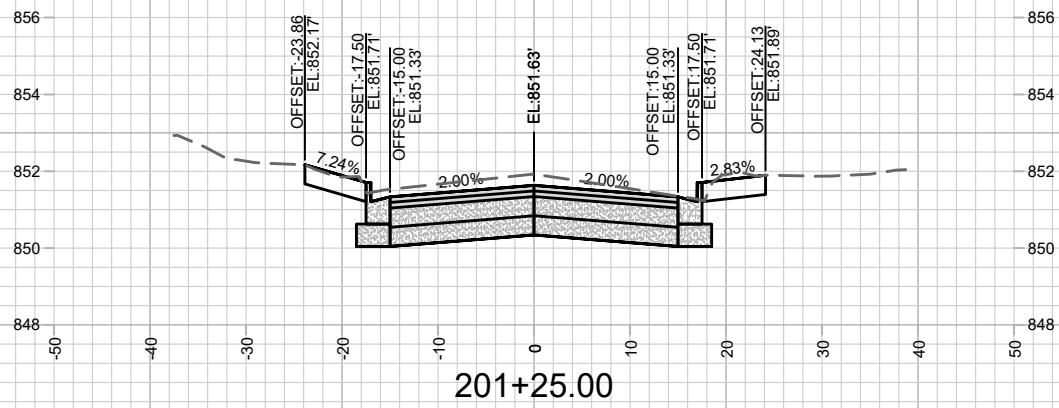
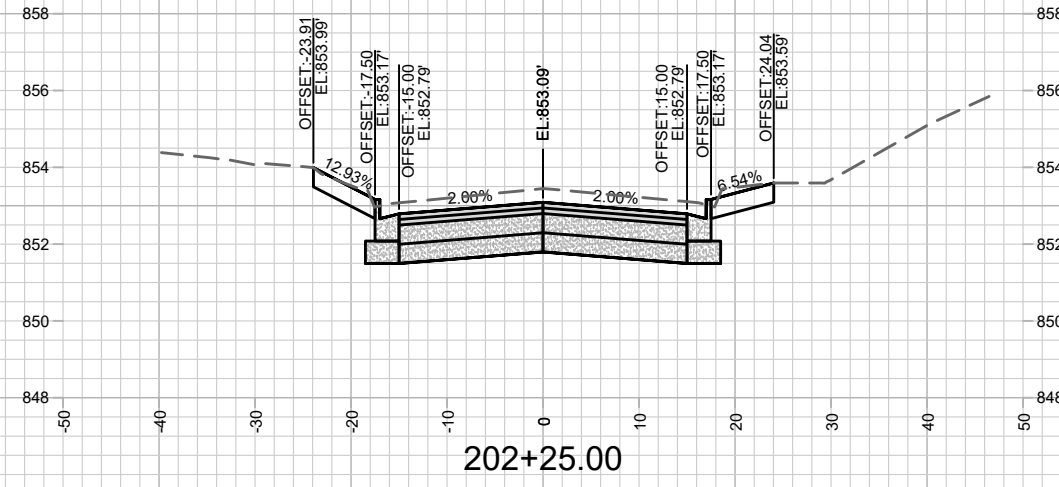
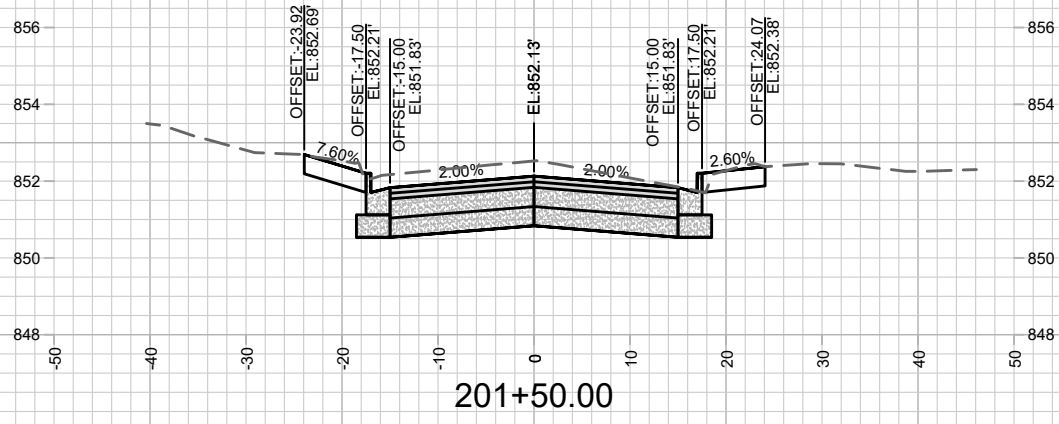
CEDAR STREET
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
X-6



	11866	11866	BY
	X-7		
CEDAR STREET		MADISON, WI	DATE
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT		8504	REVISION
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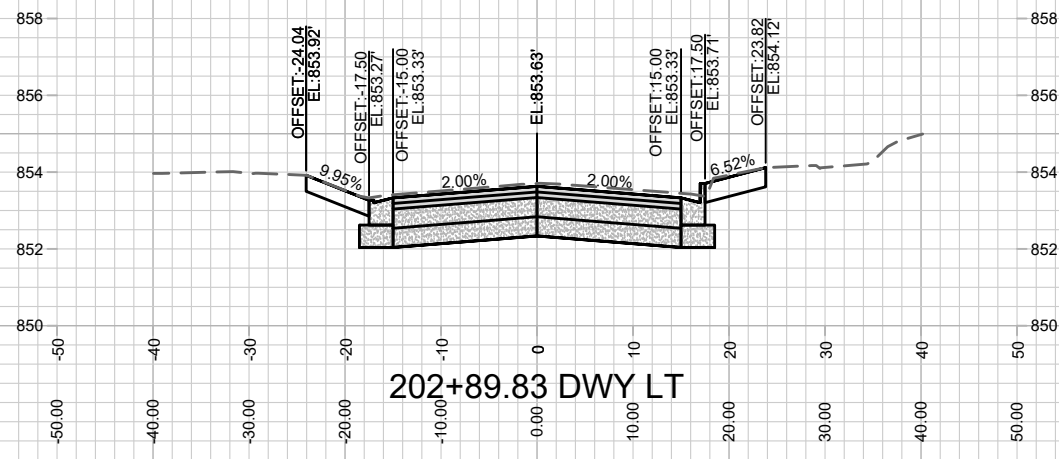
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MADISON, WI
8504
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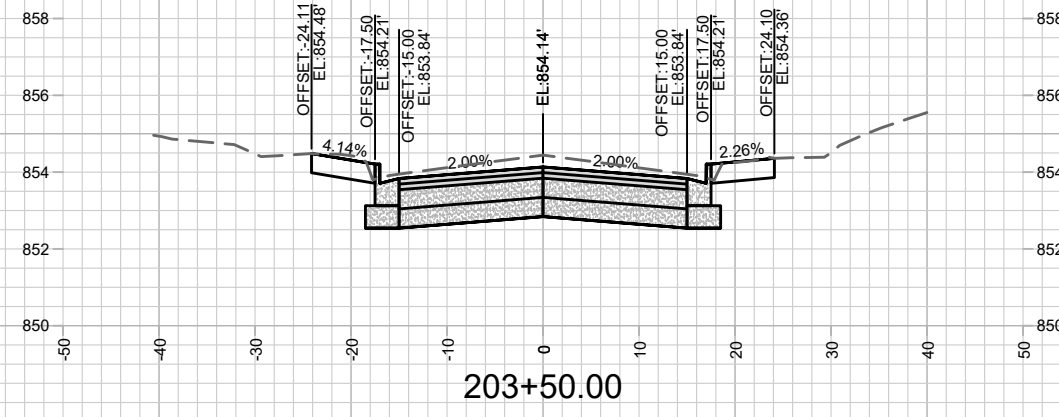
SOUTH STREET
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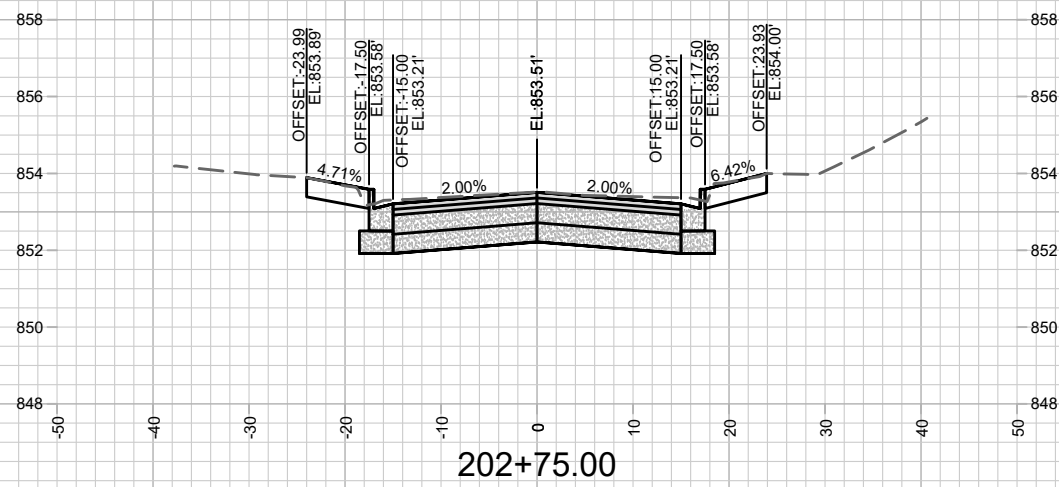
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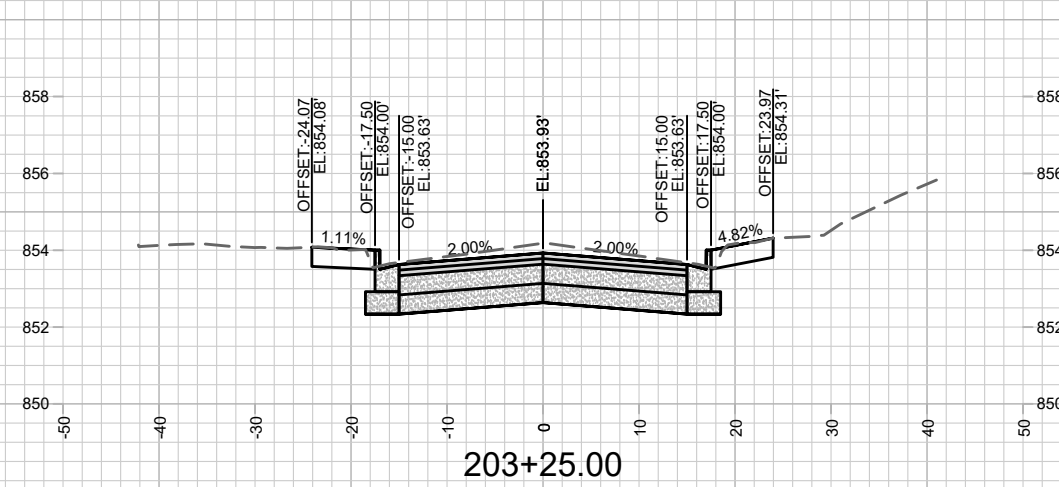
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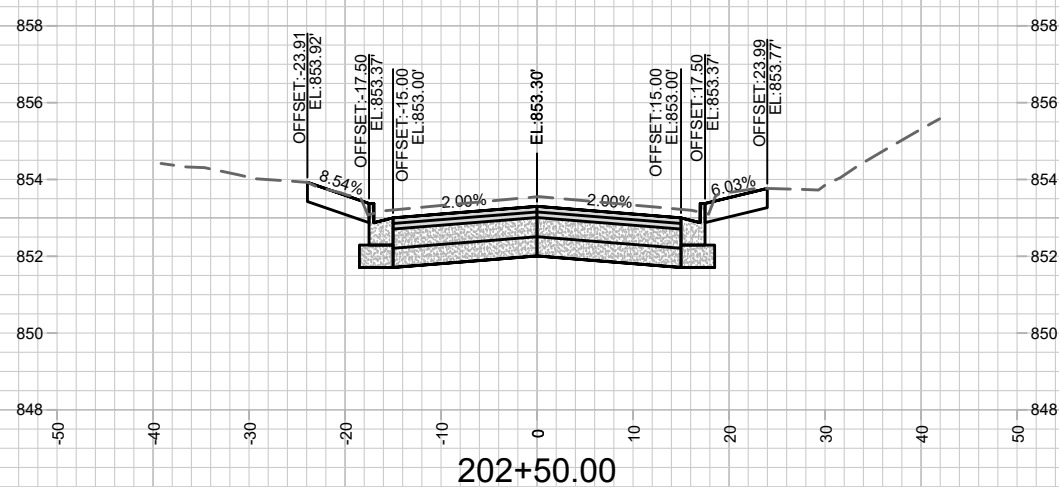
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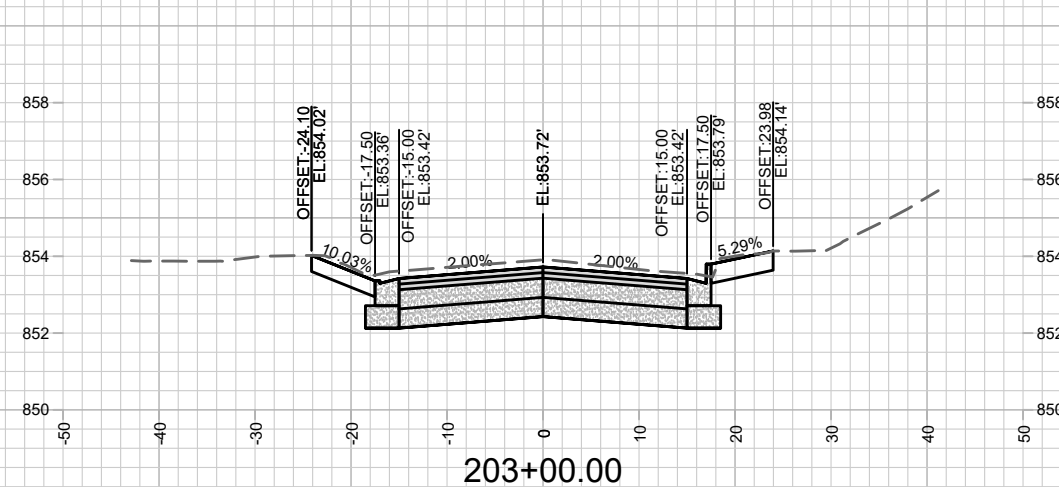
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203+00.00

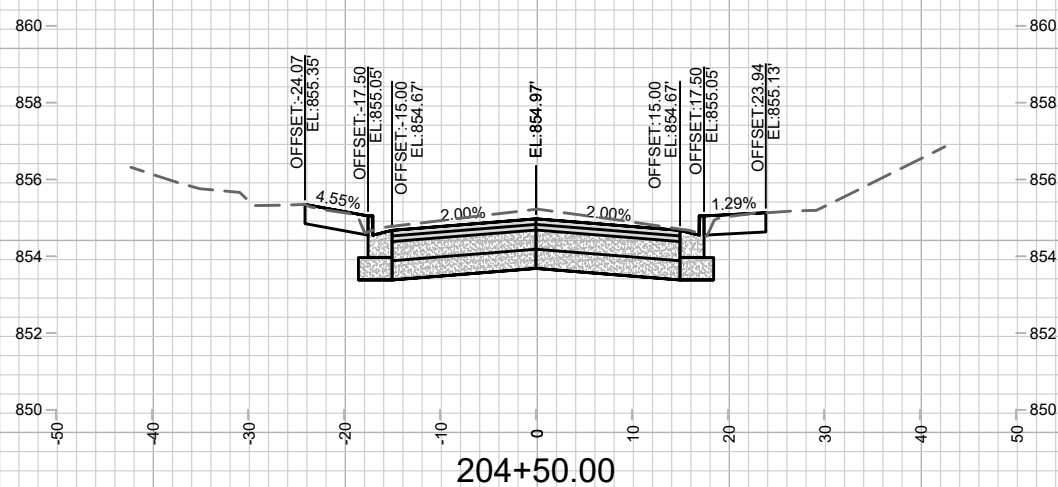
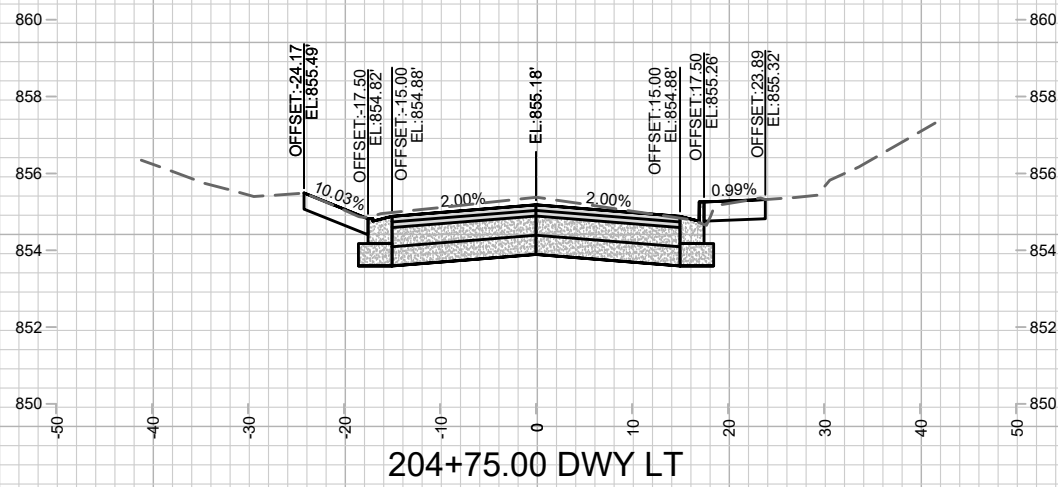
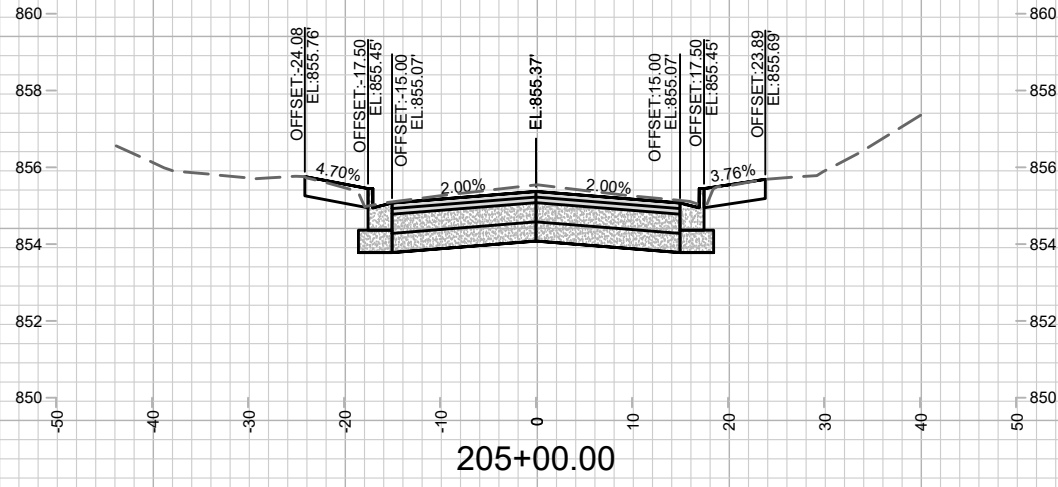
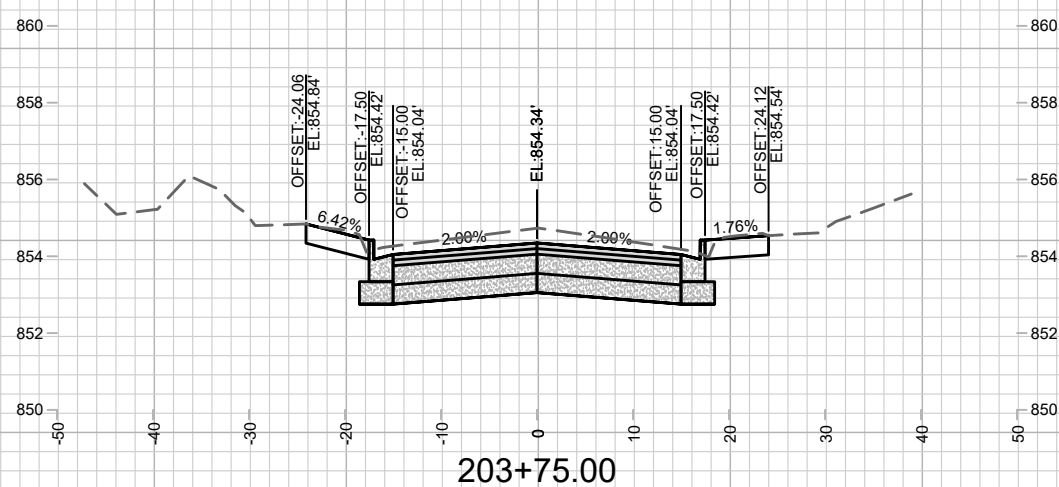
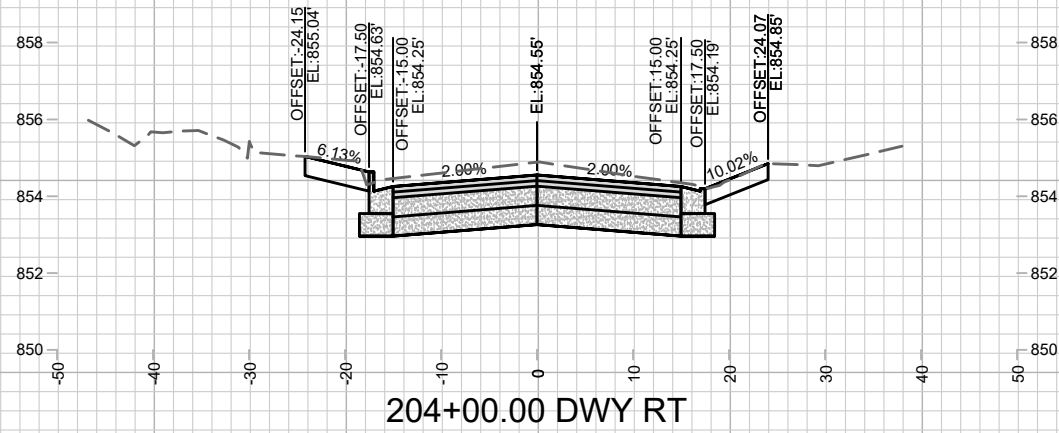
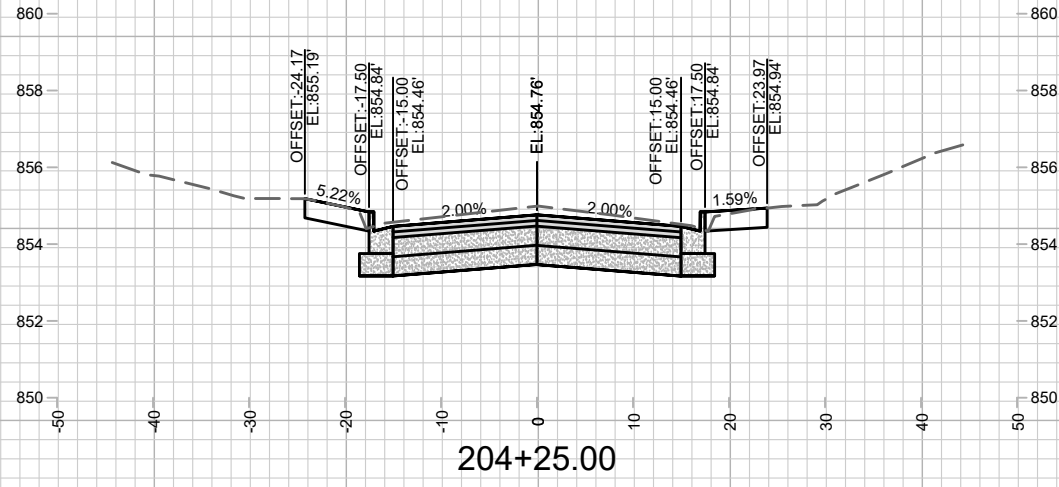
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MADISON, WI
8504
CONTRACT NO:

SOUTH STREET
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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12956
X-9



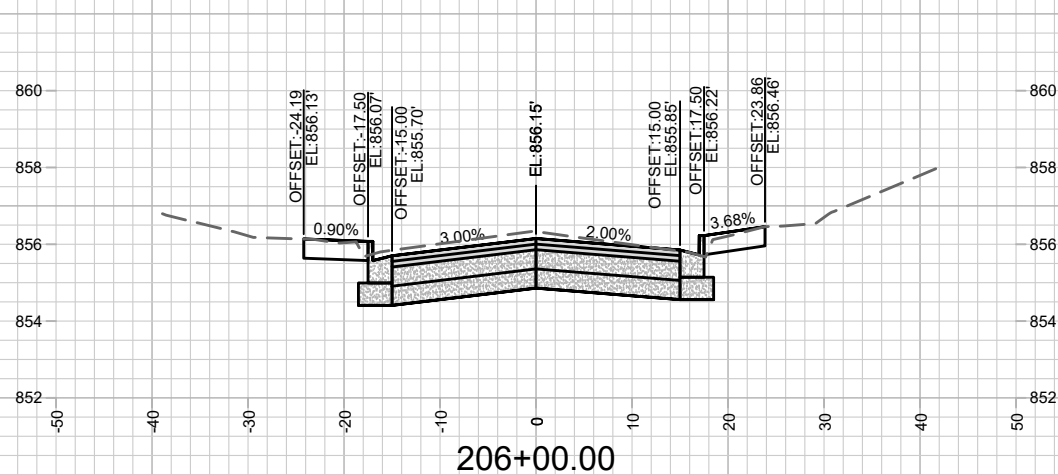
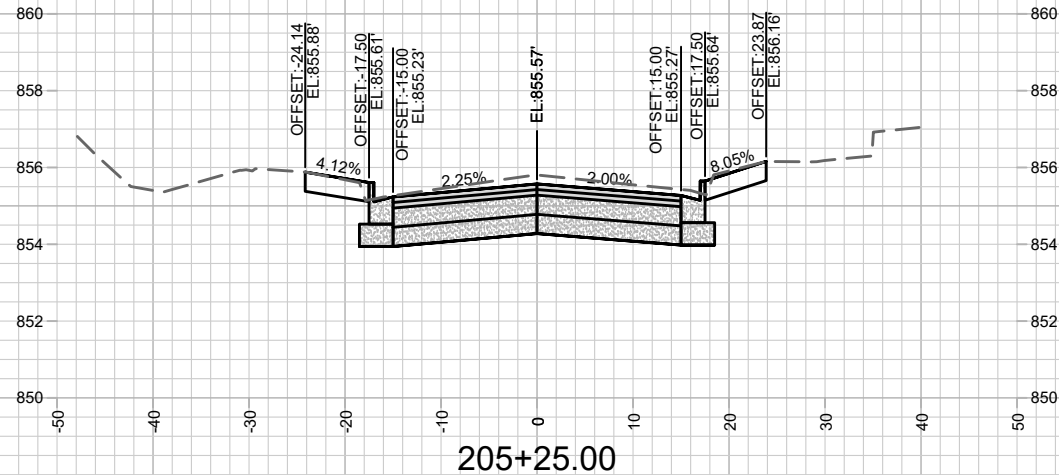
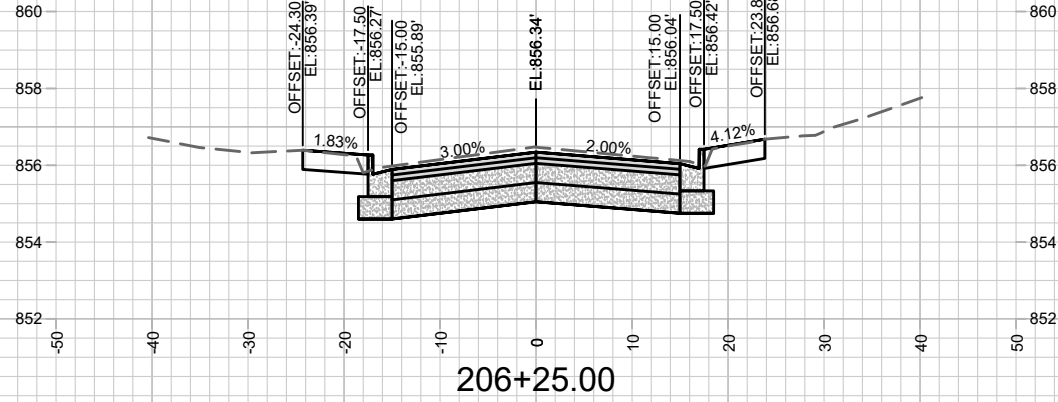
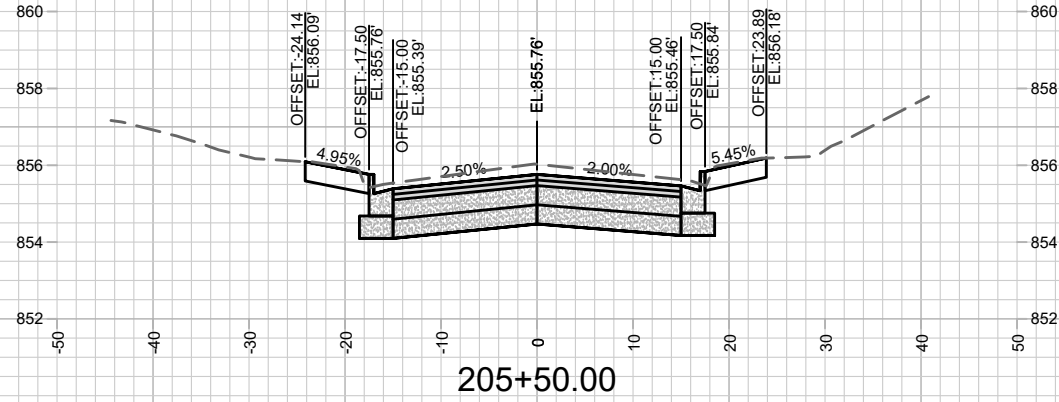
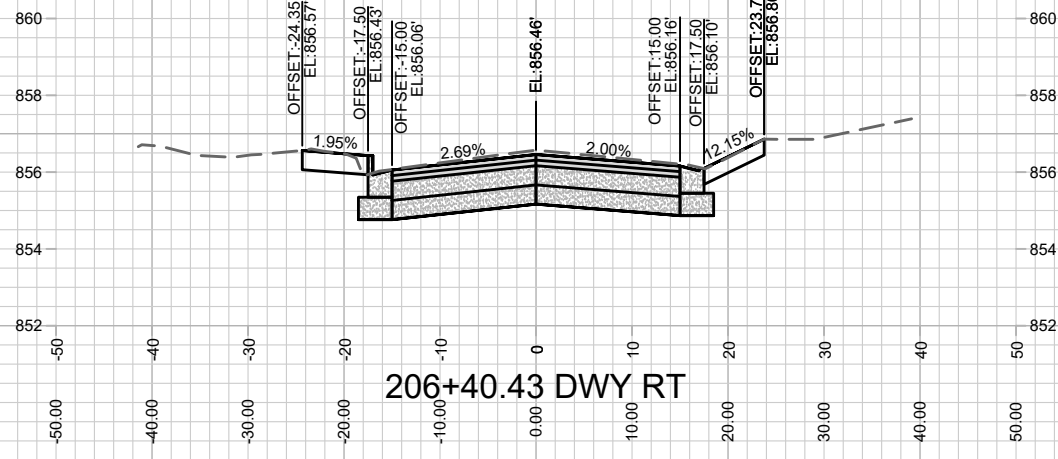
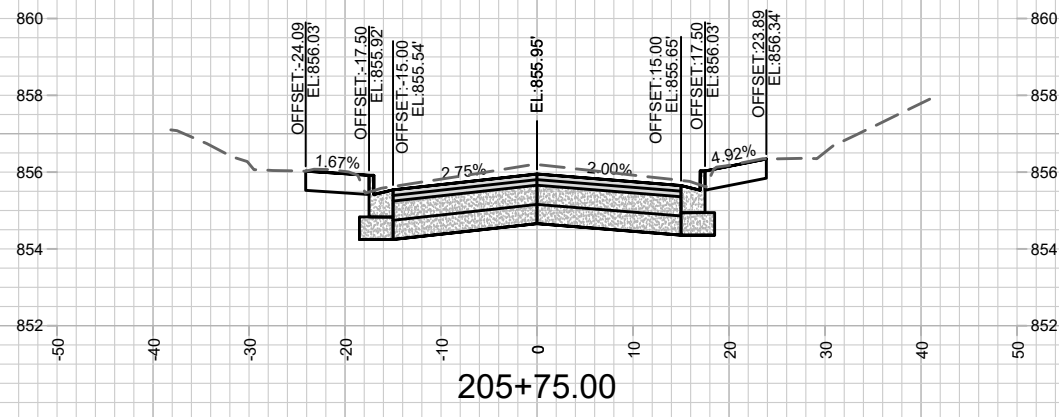
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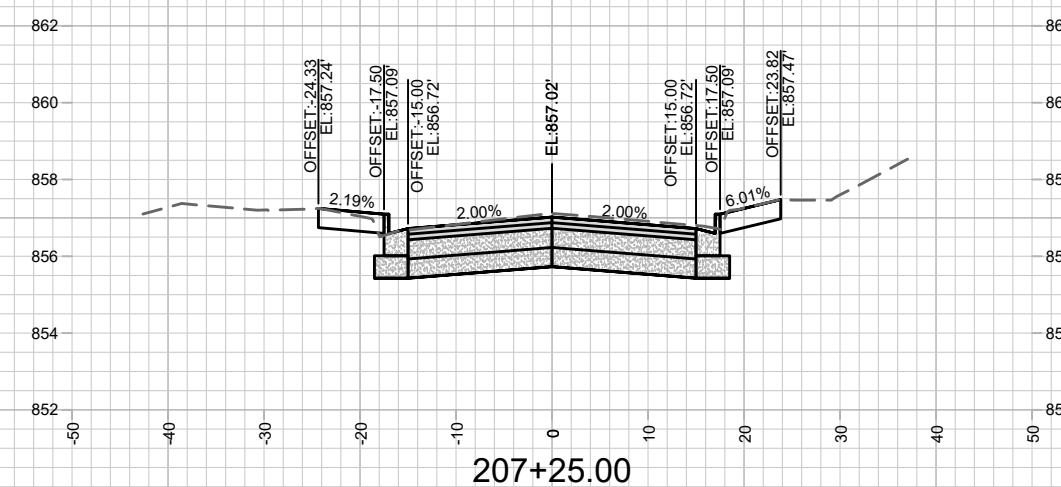
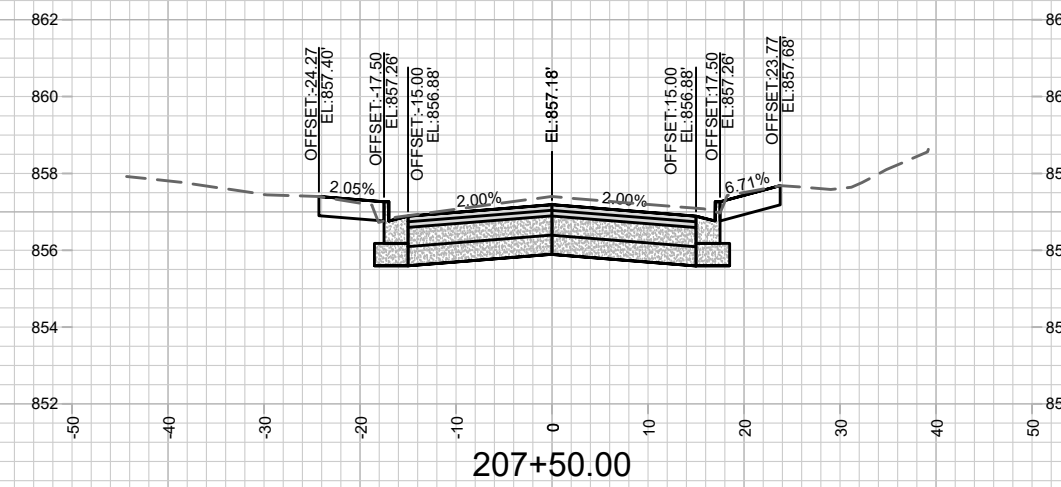
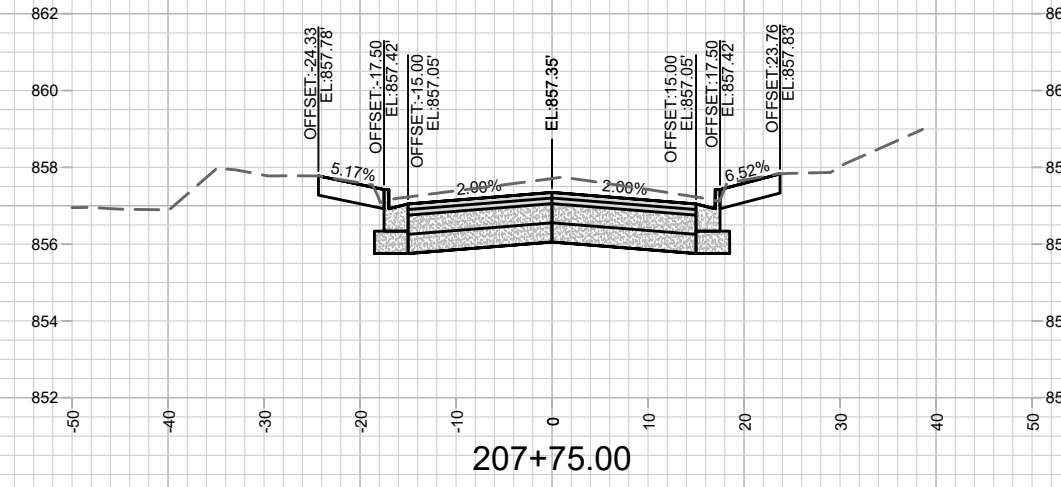
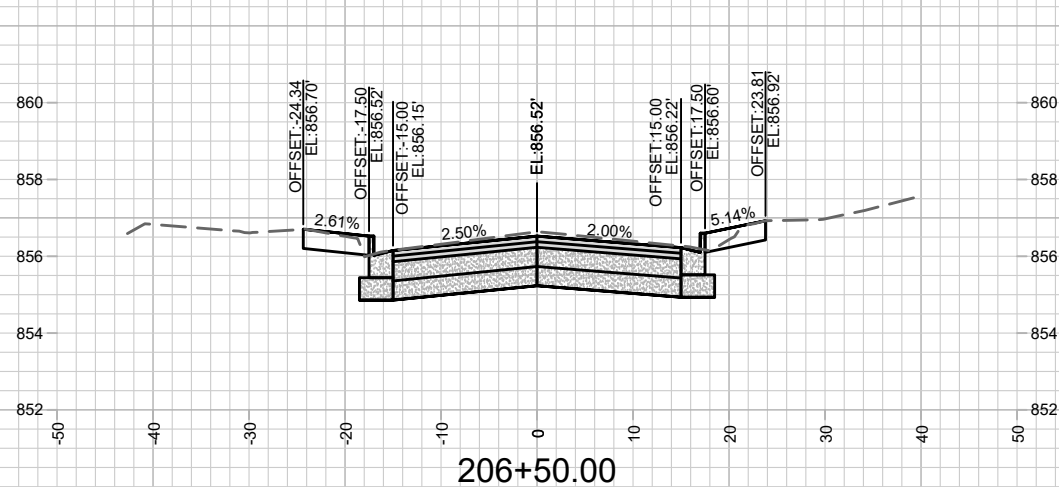
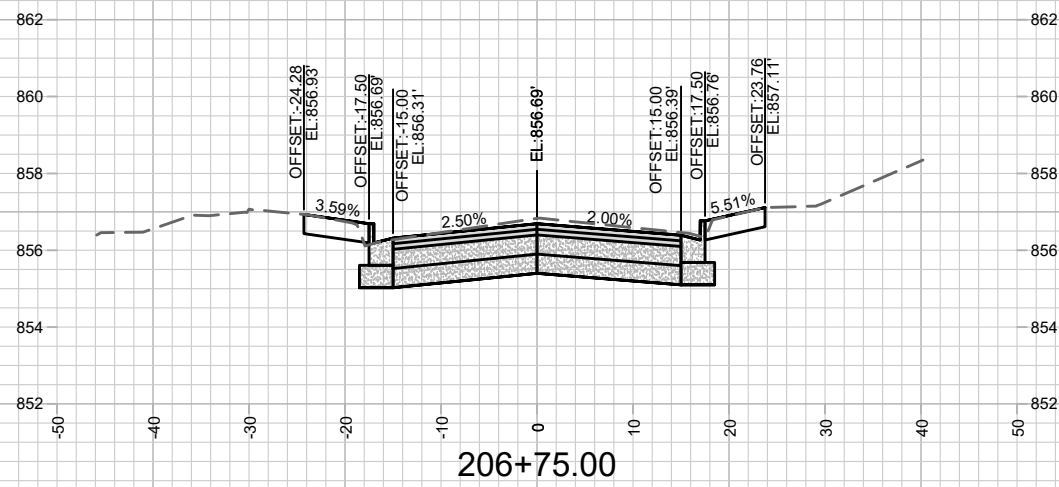
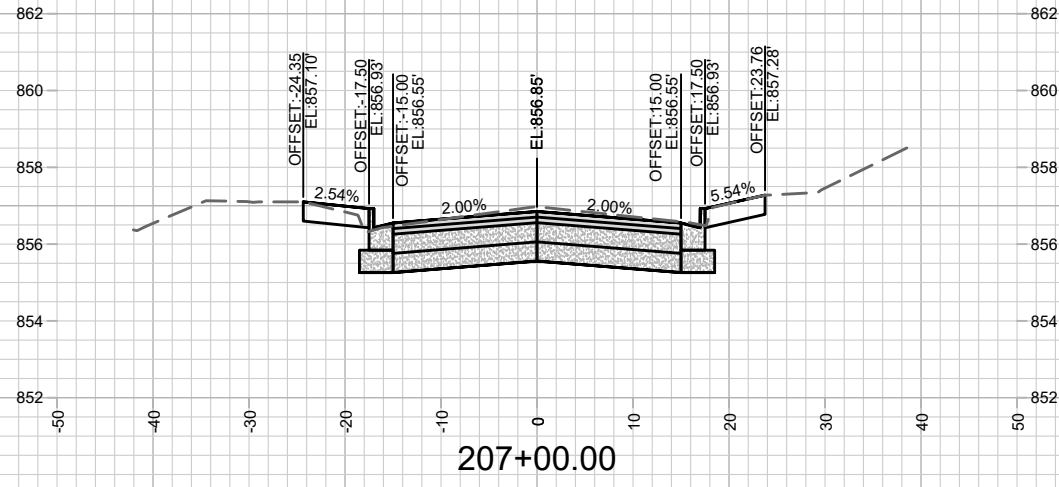
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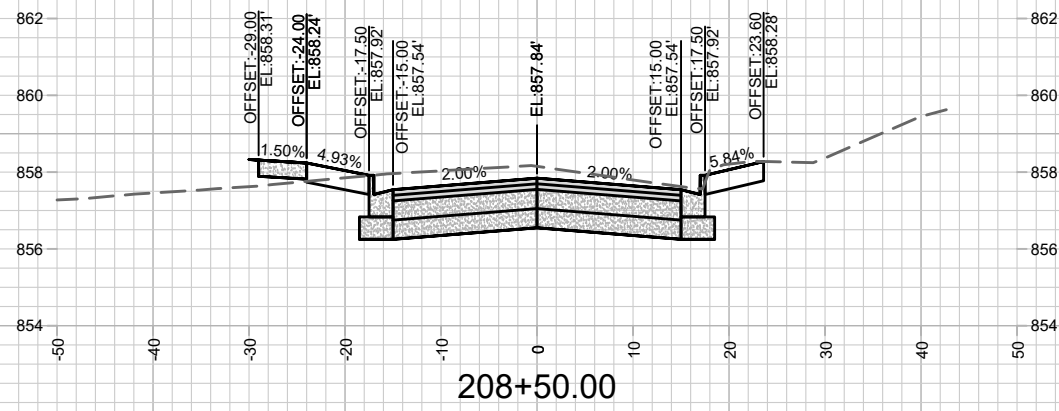
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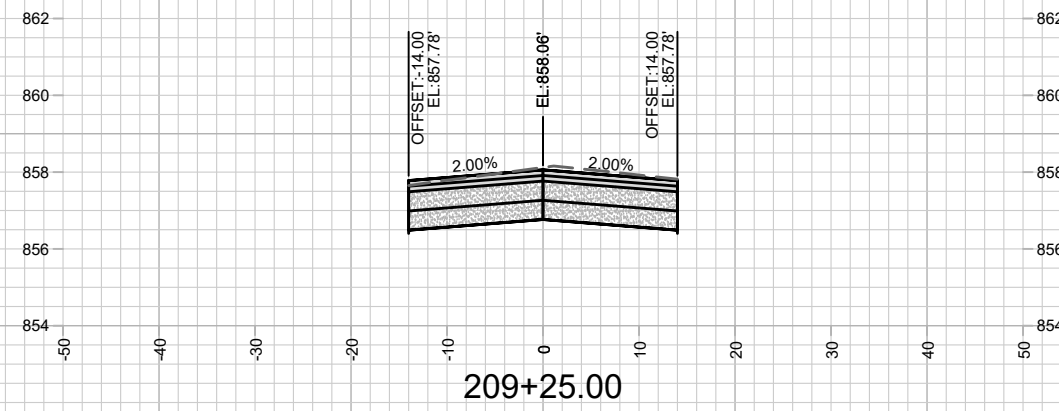
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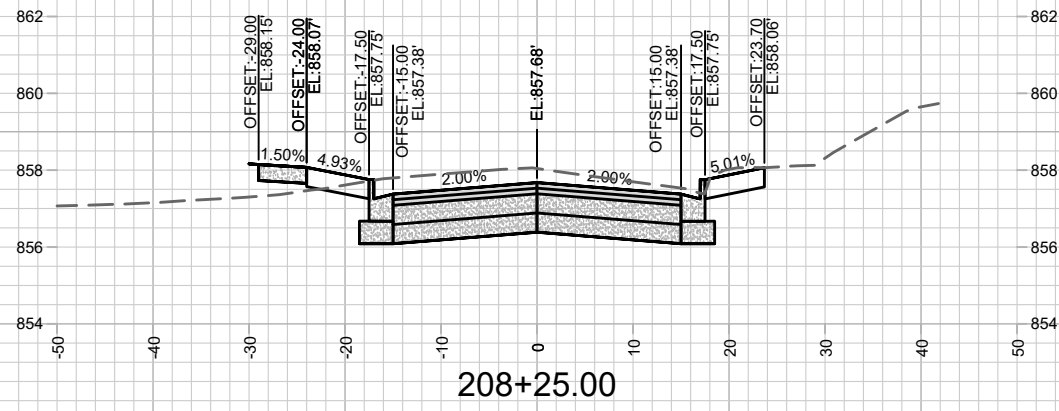
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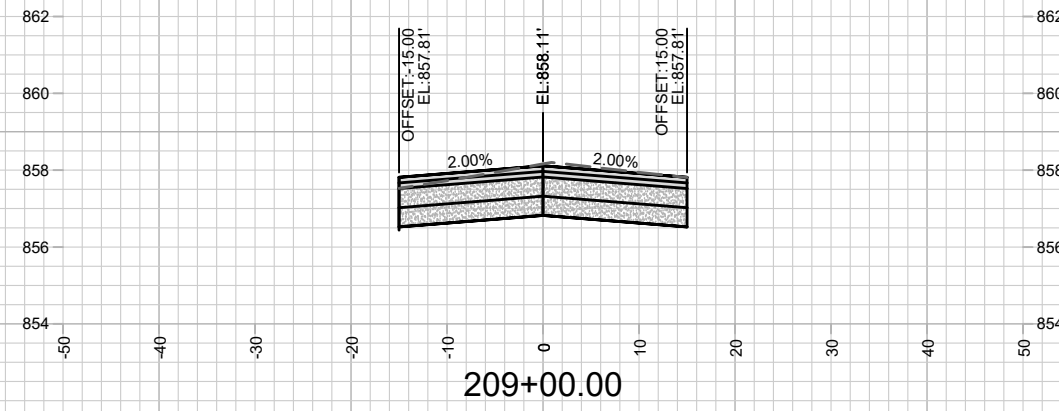
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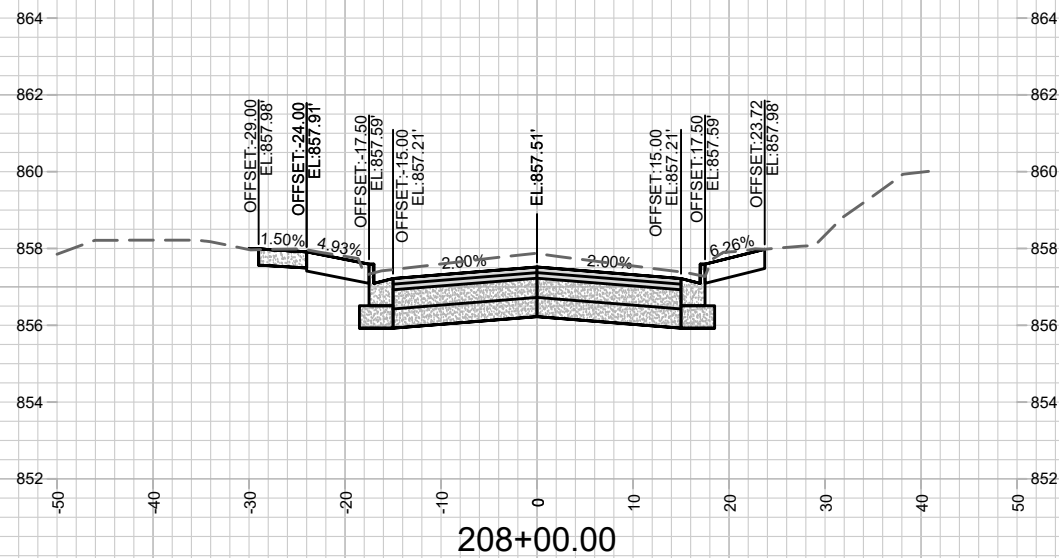
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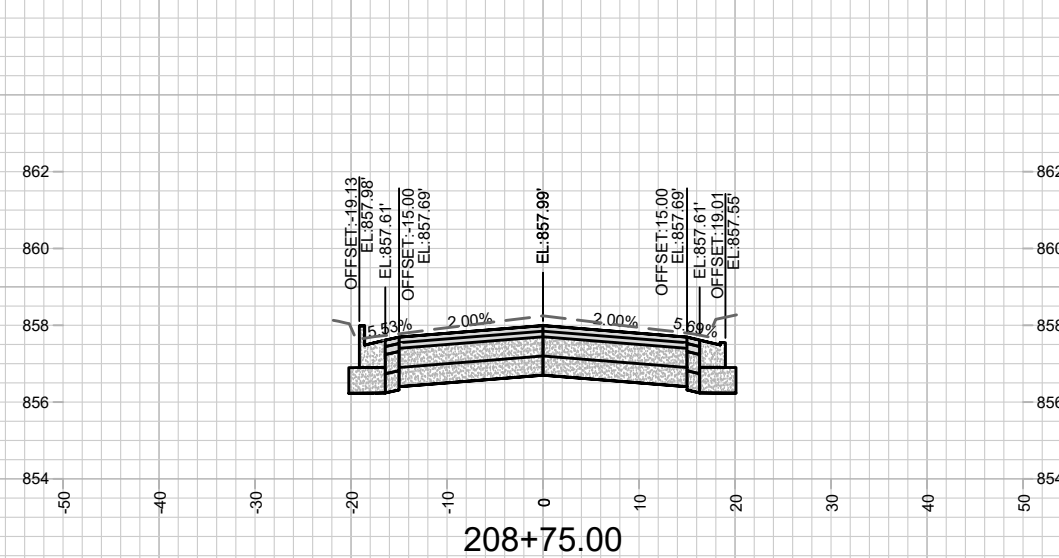
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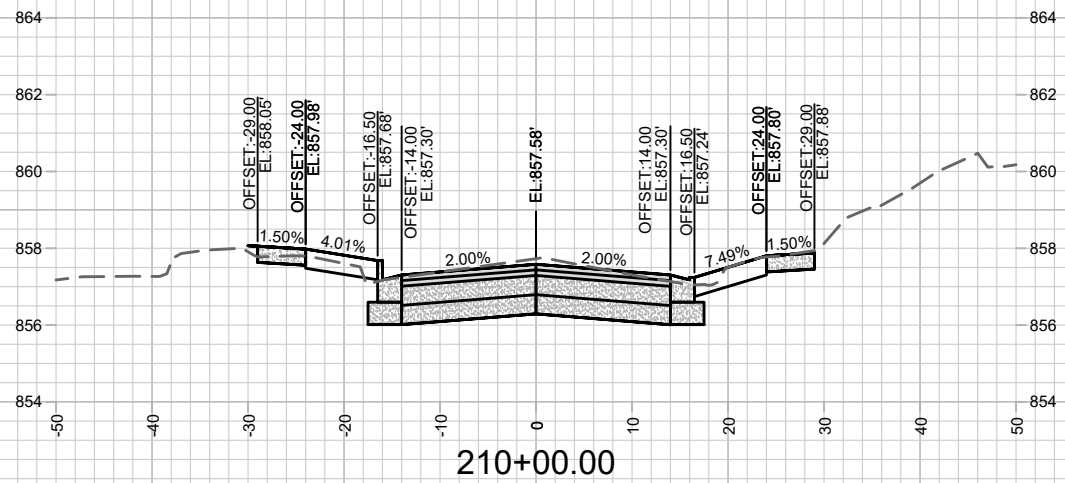
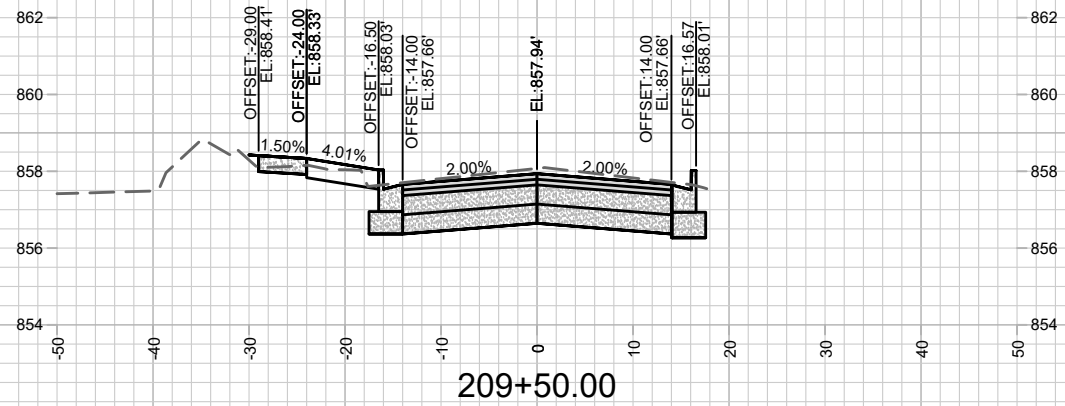
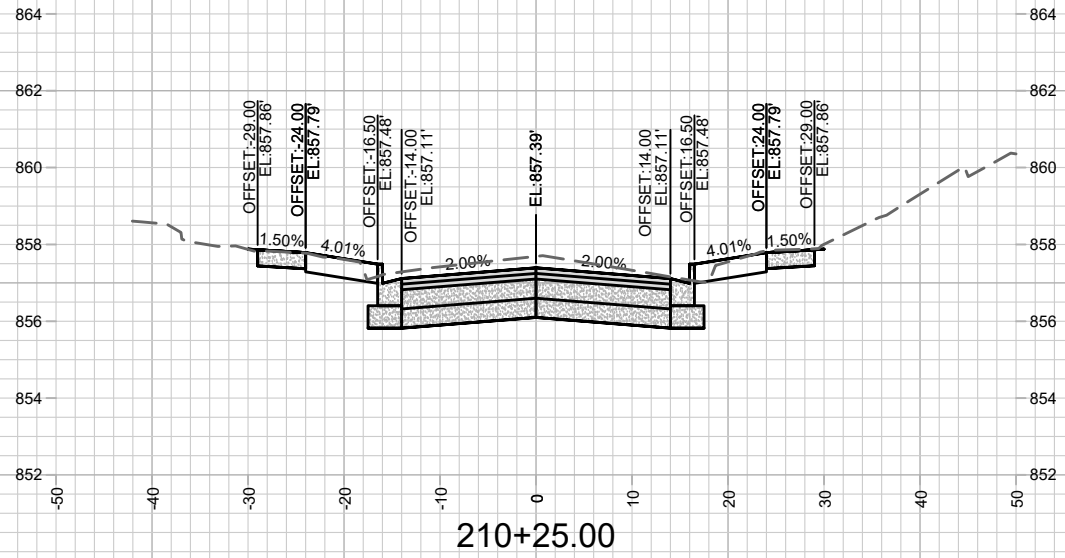
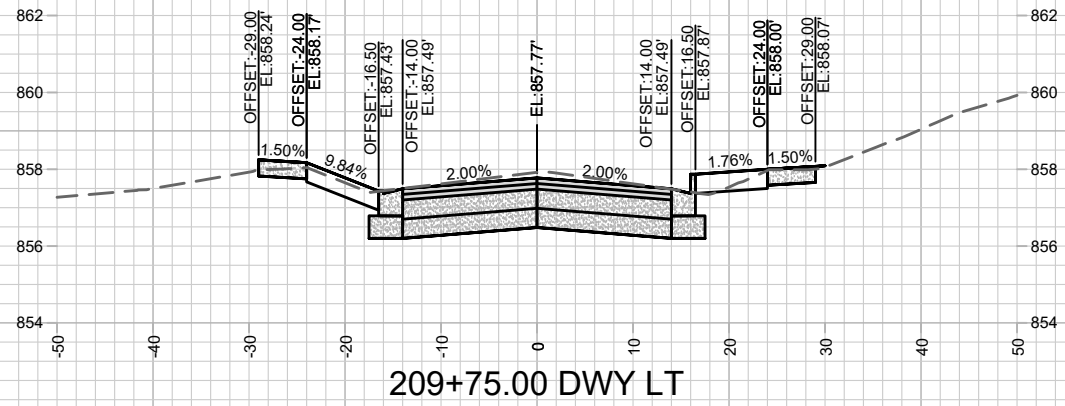
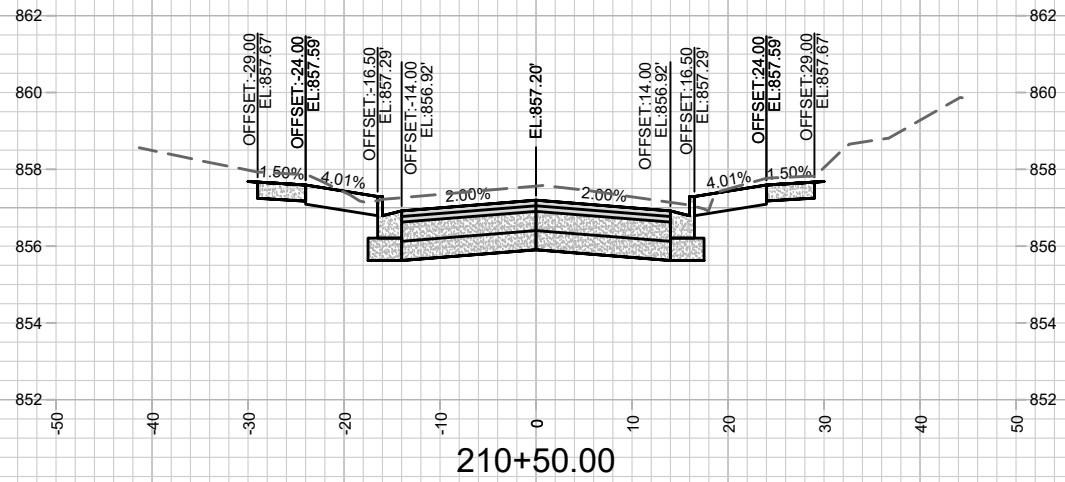
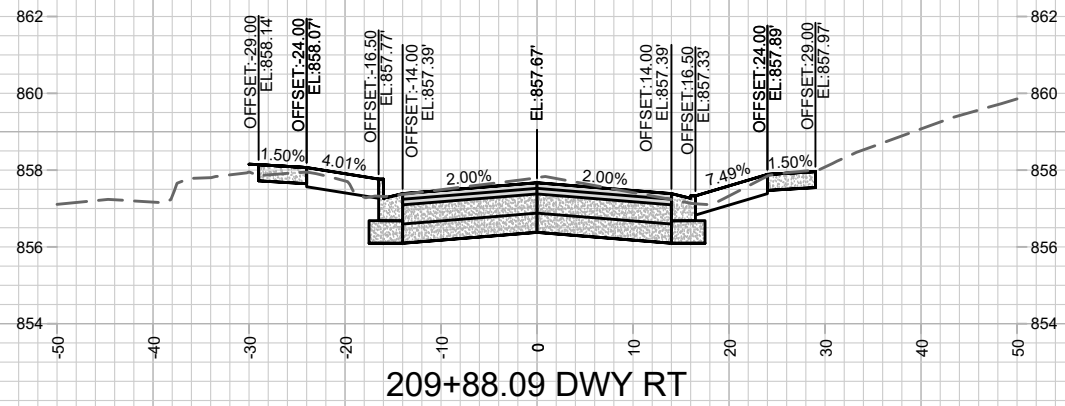
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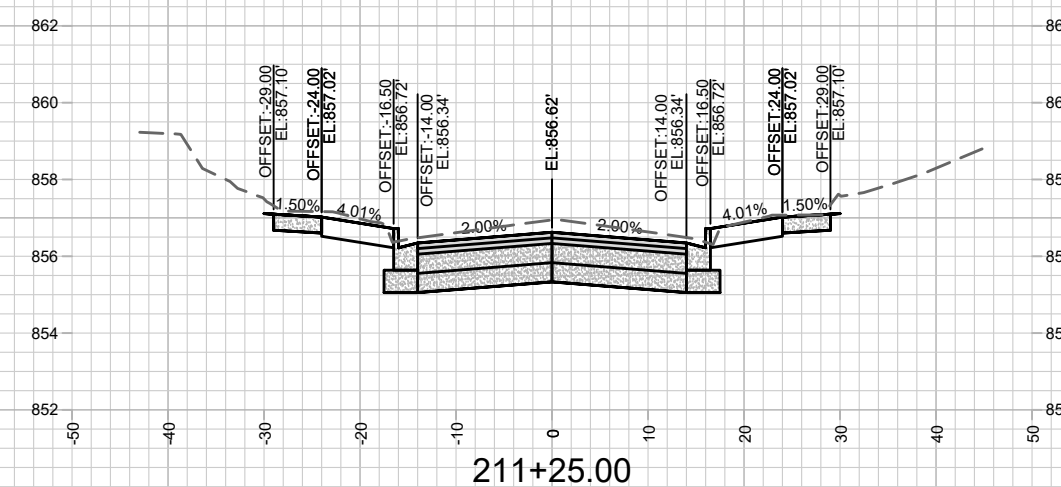
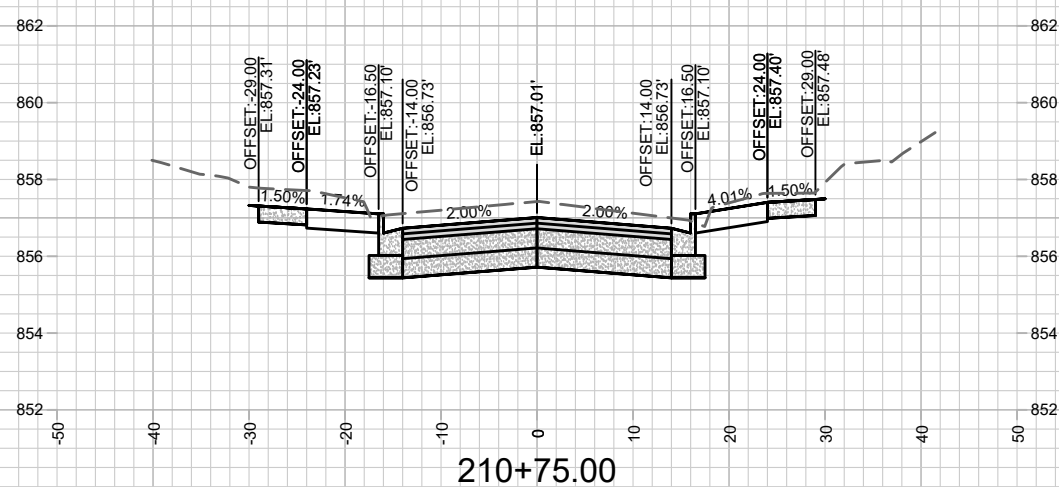
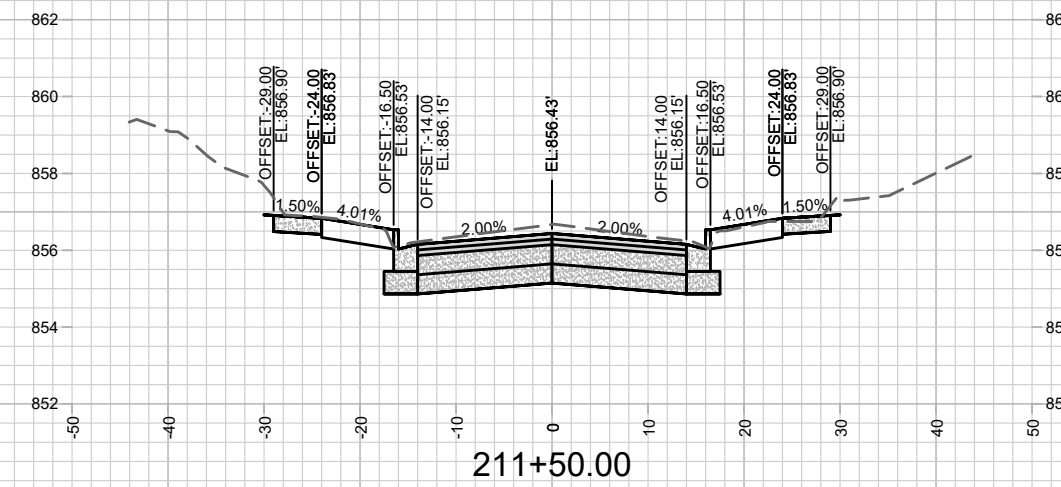
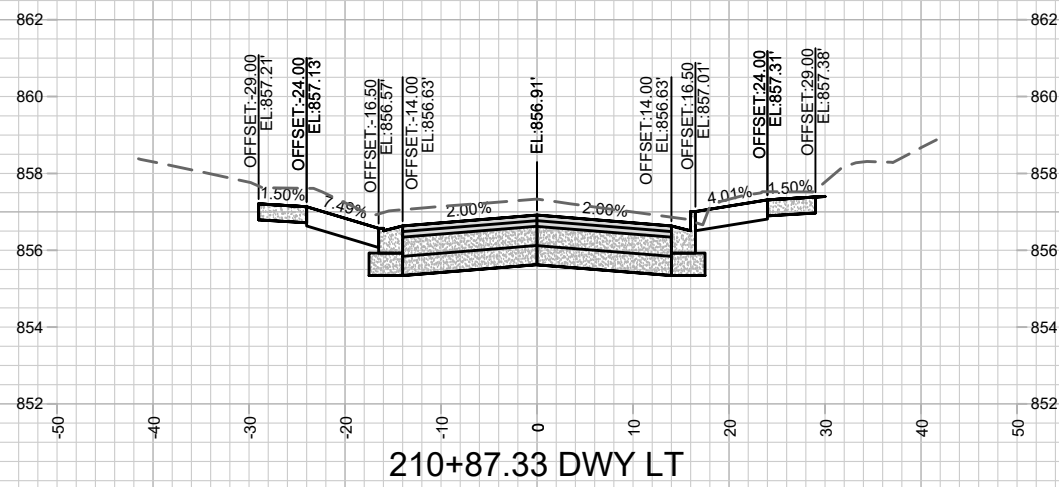
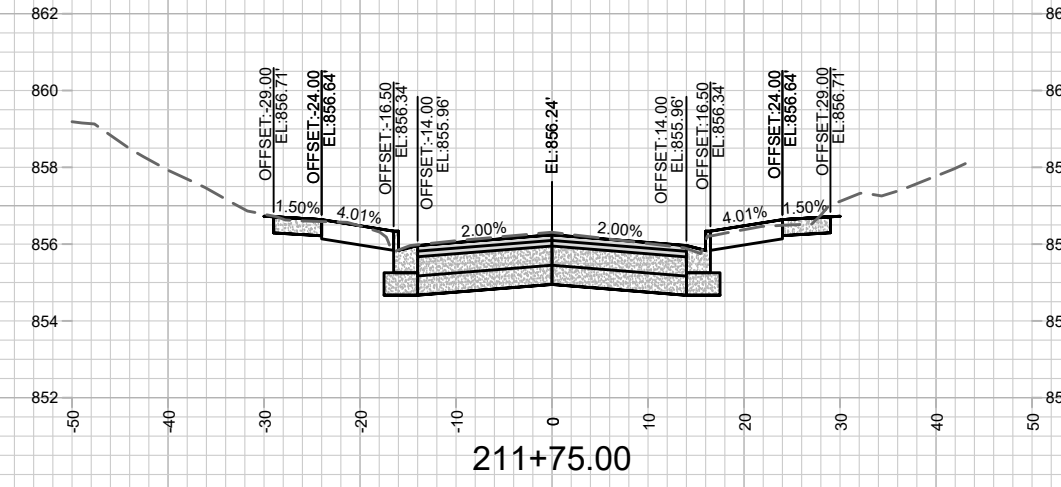
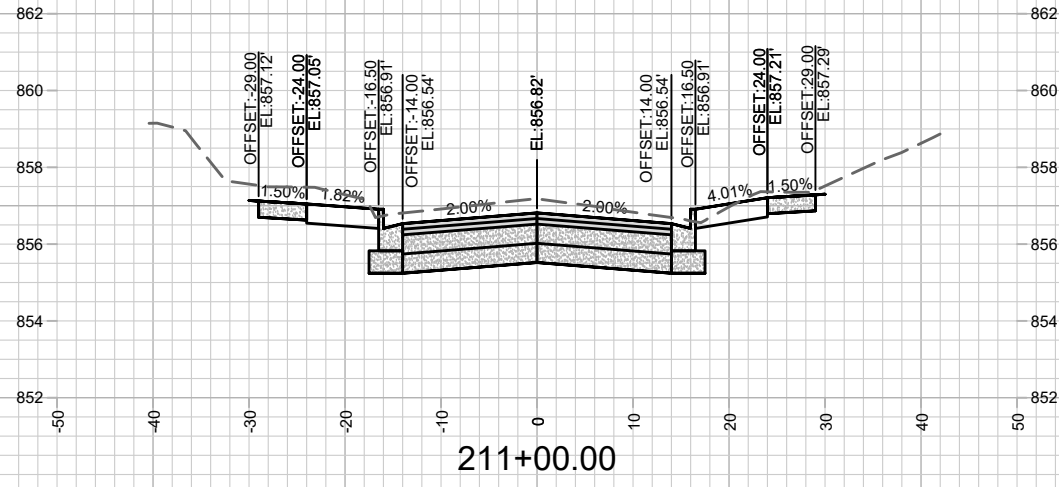
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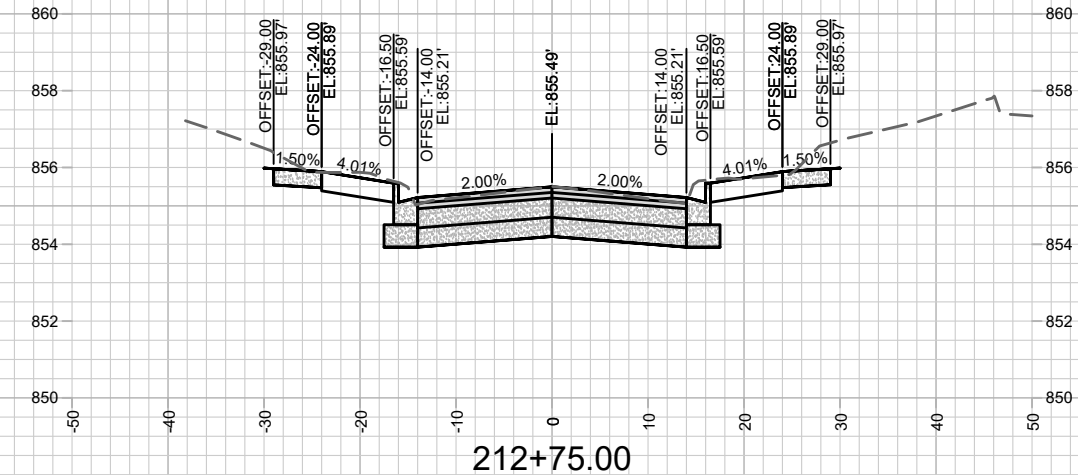
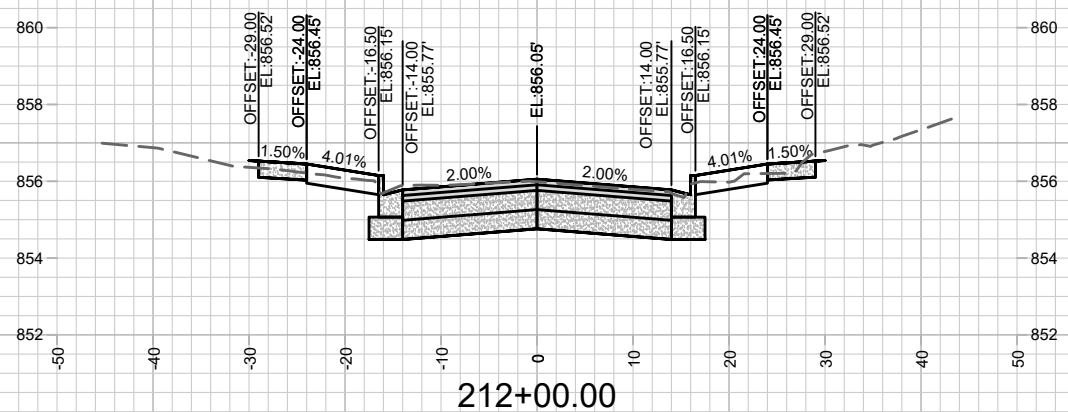
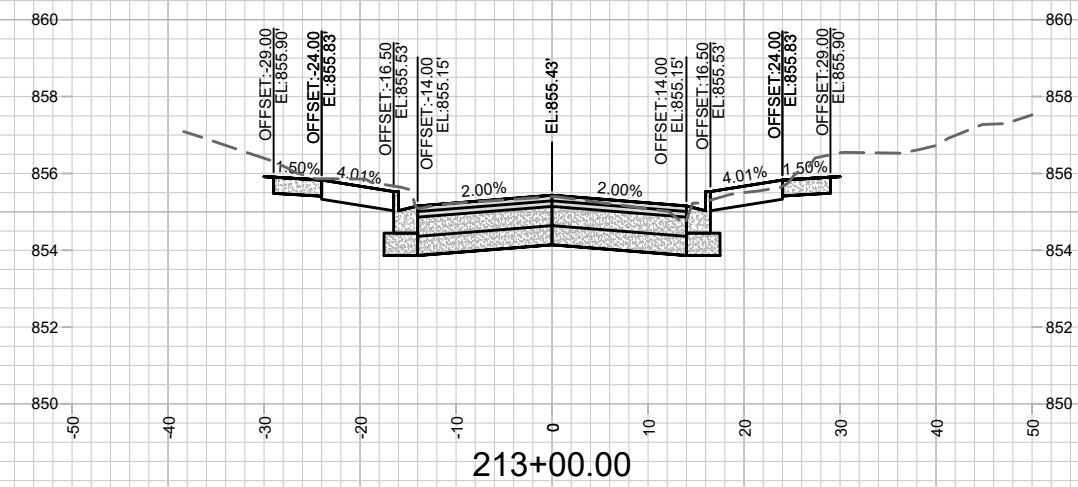
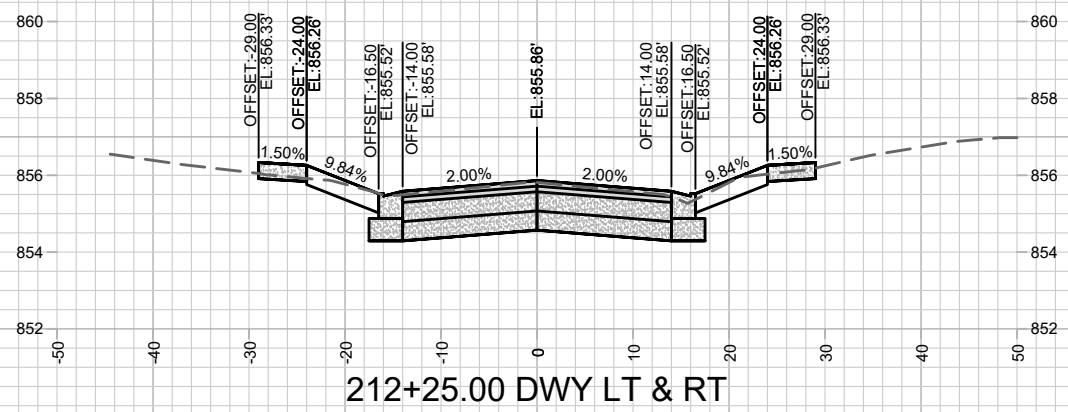
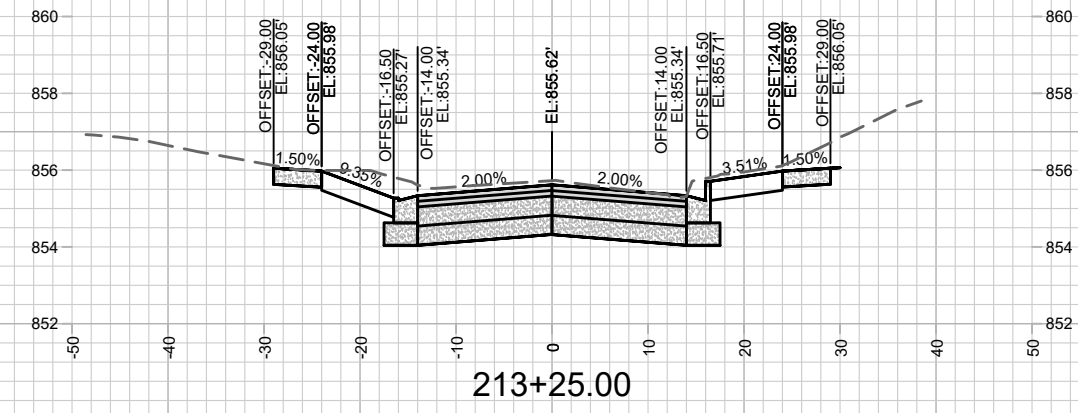
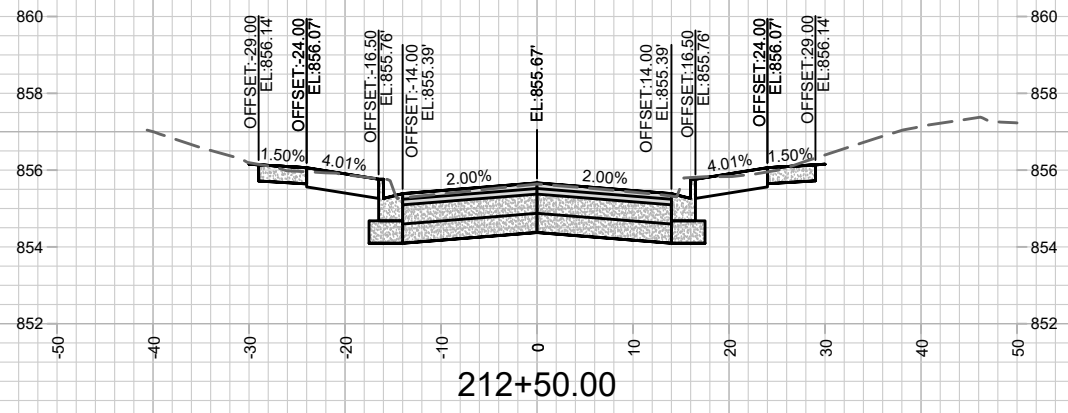
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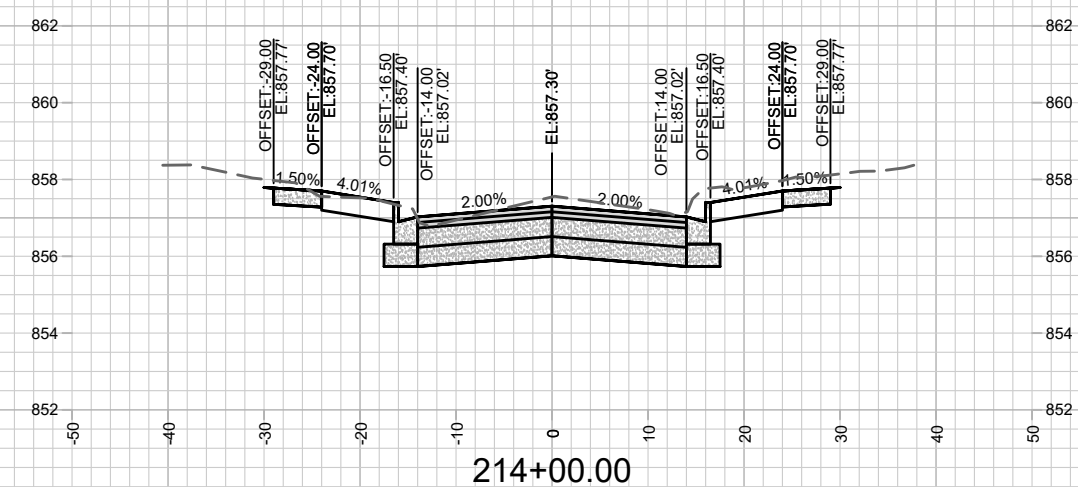
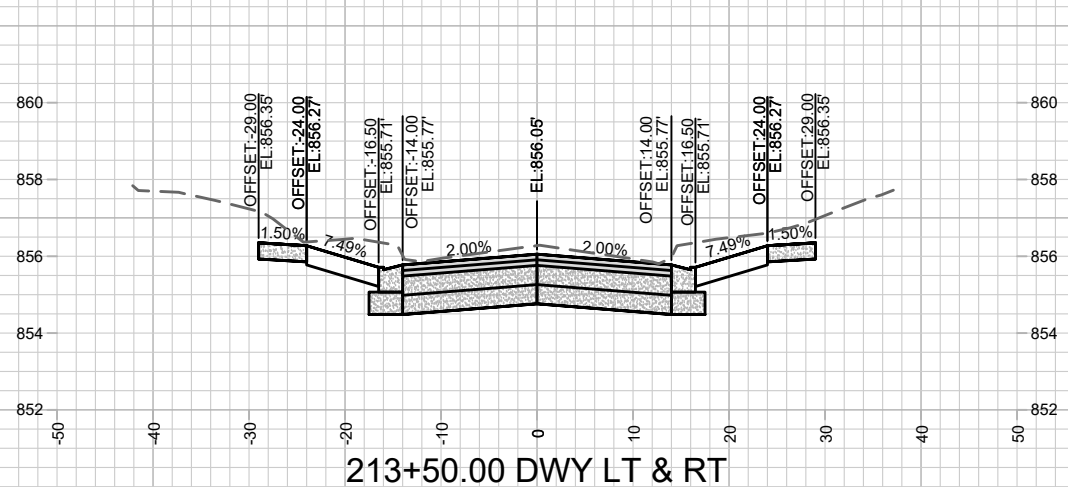
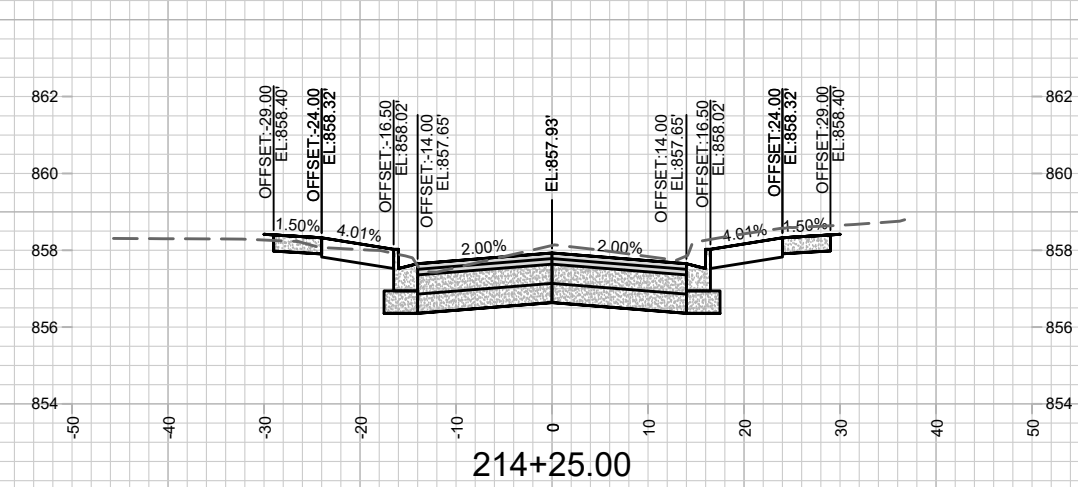
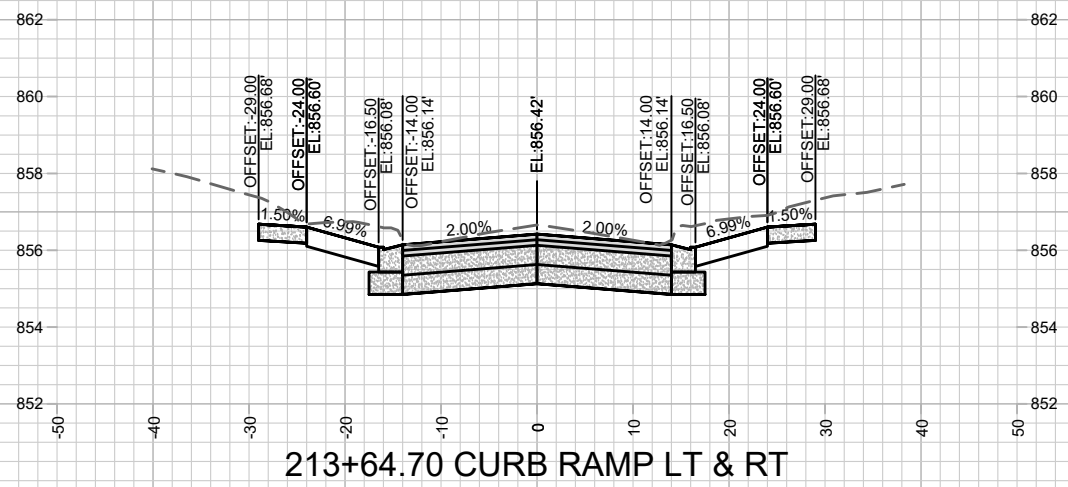
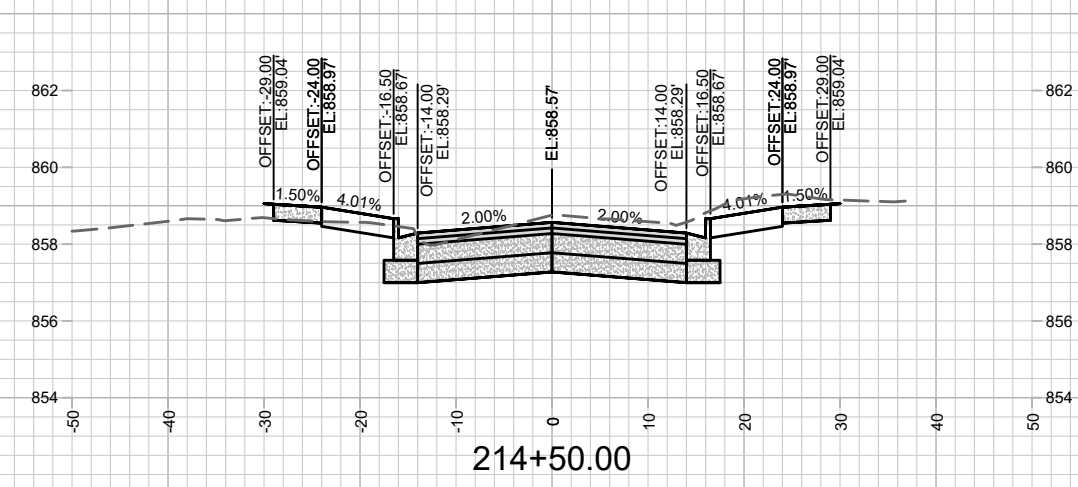
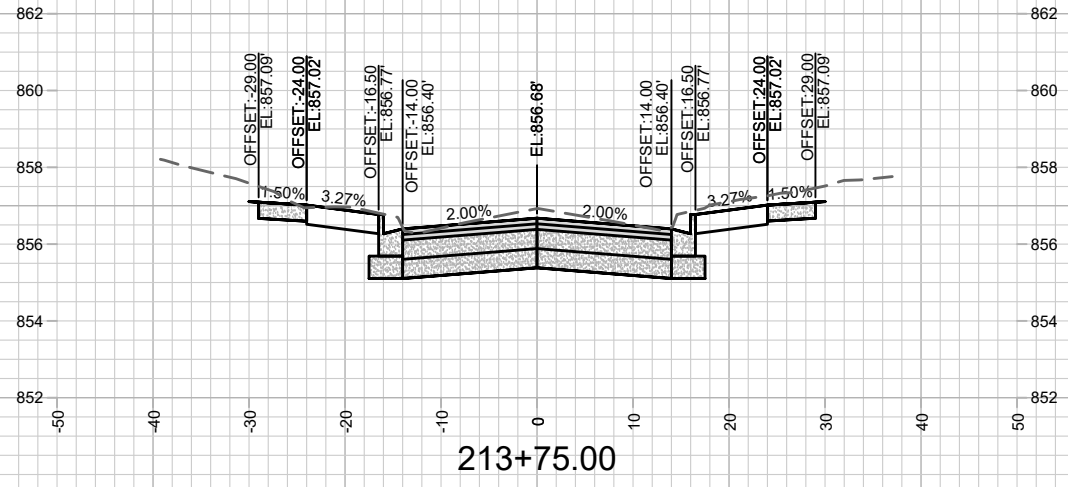
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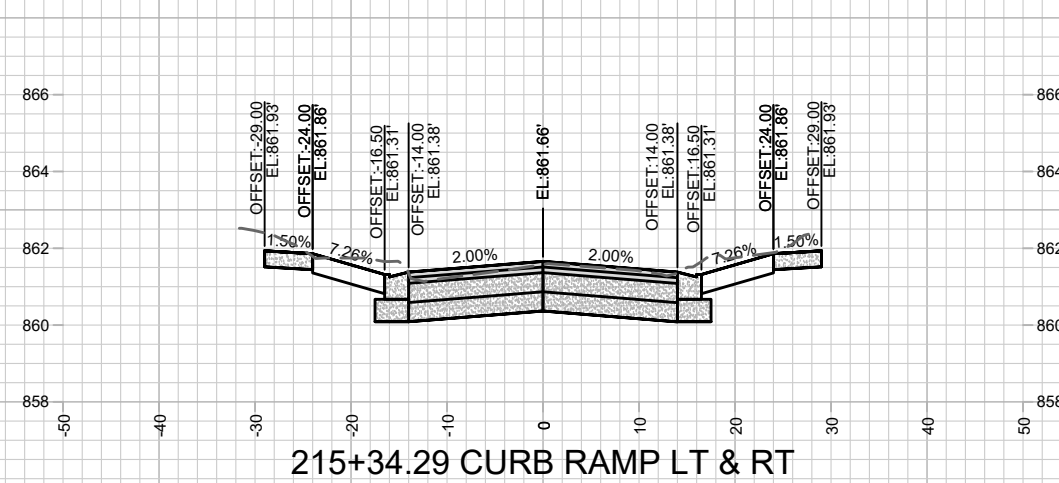
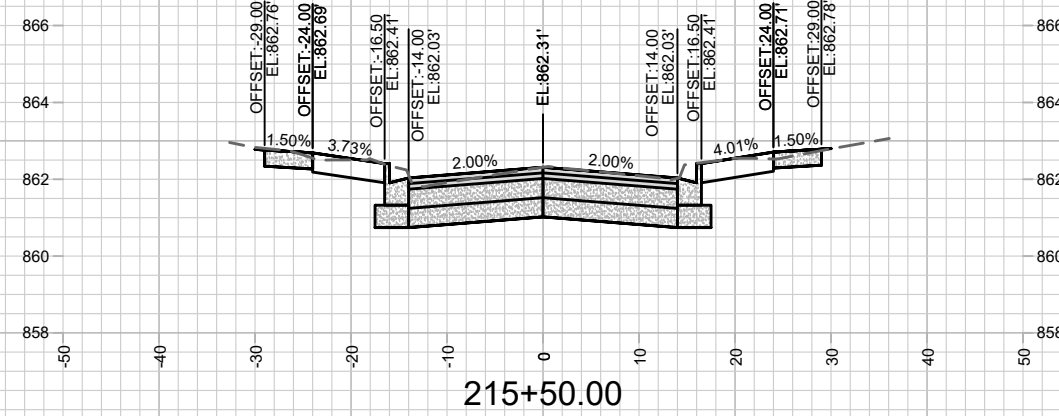
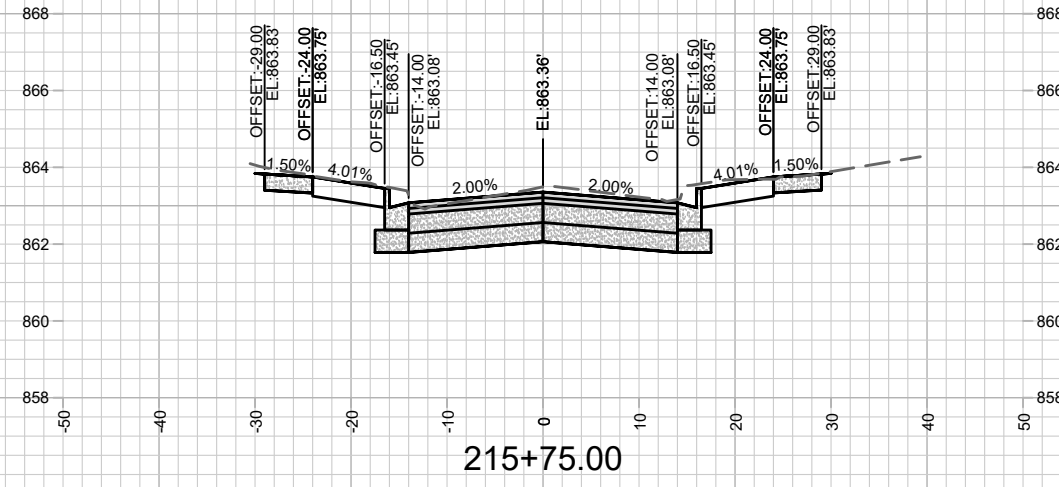
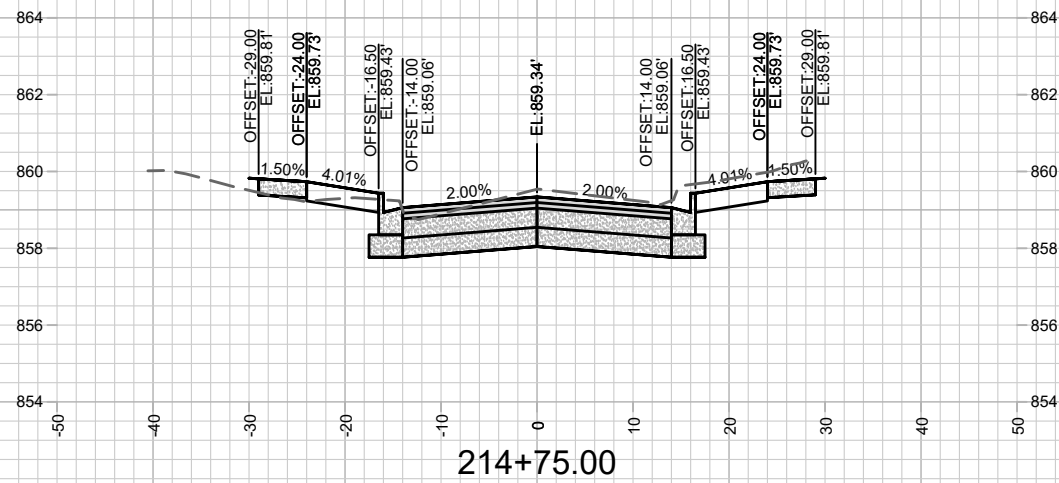
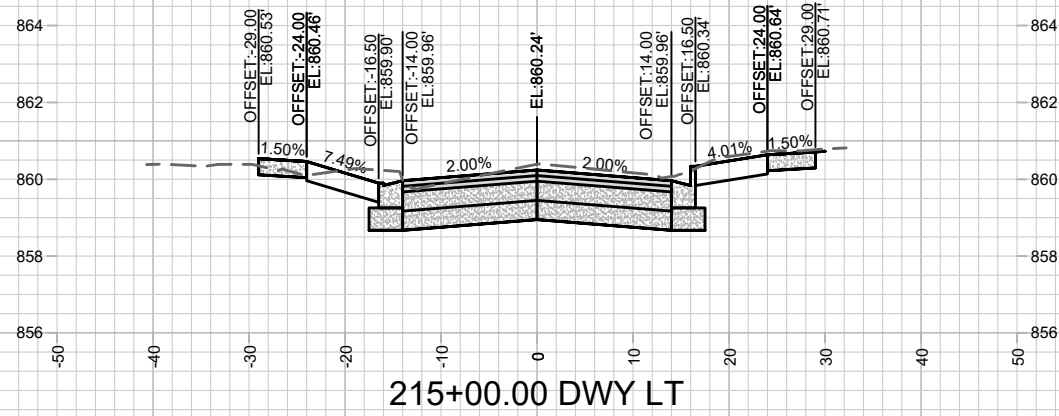
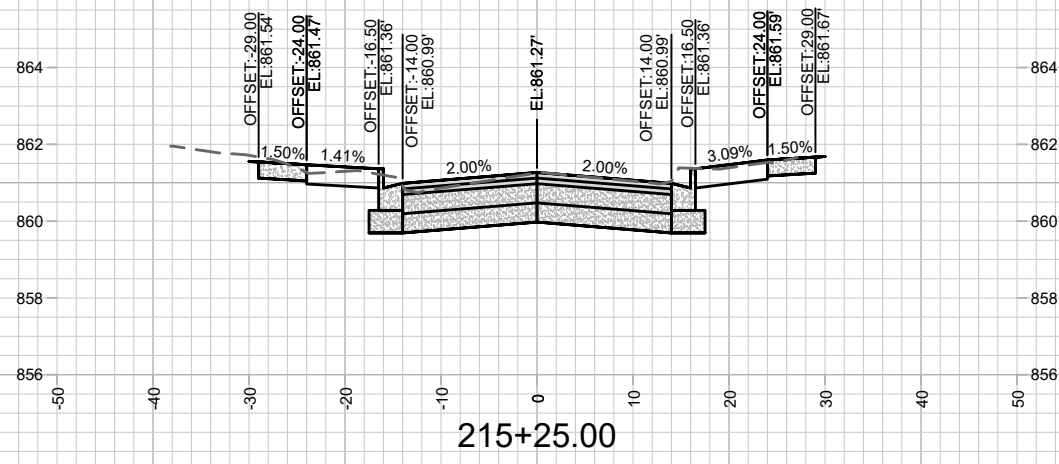


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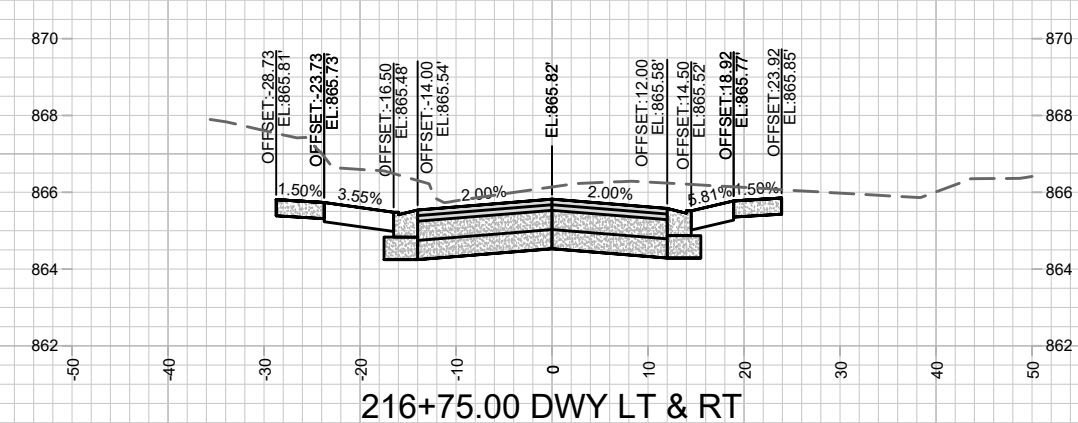
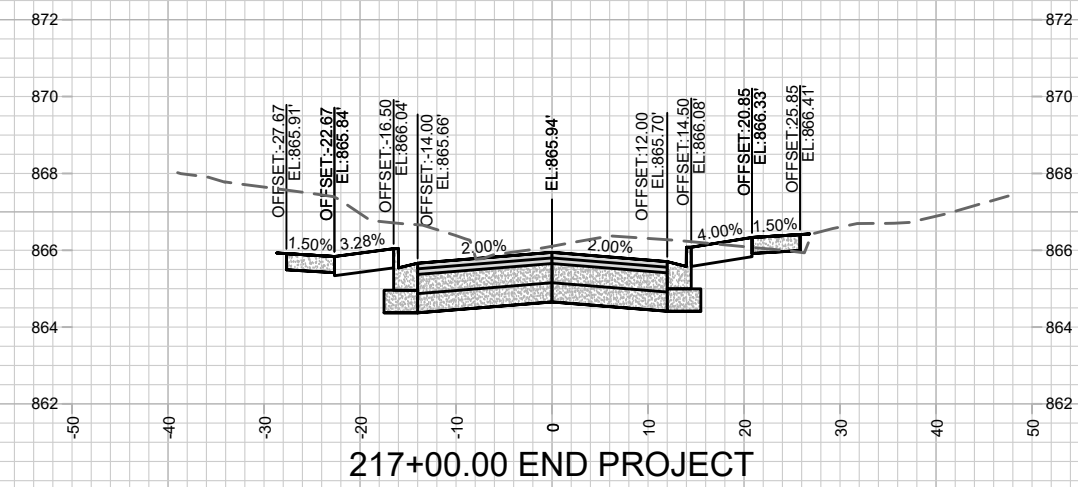
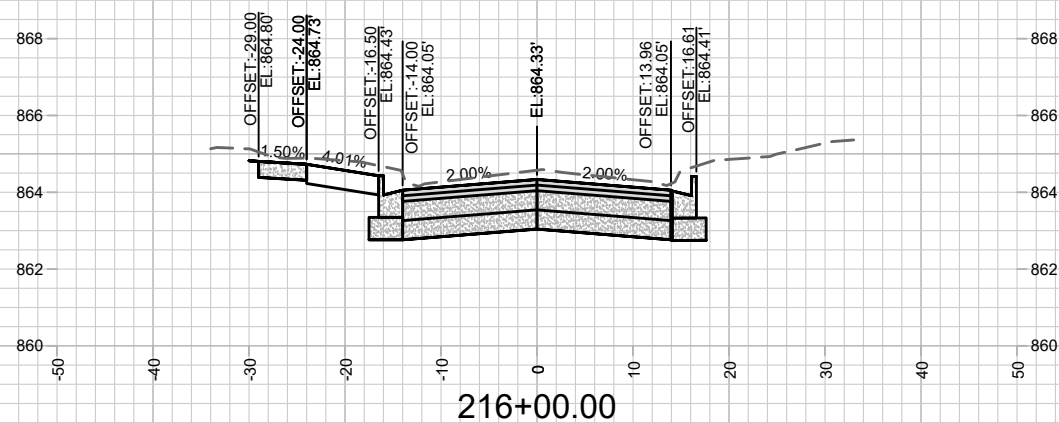
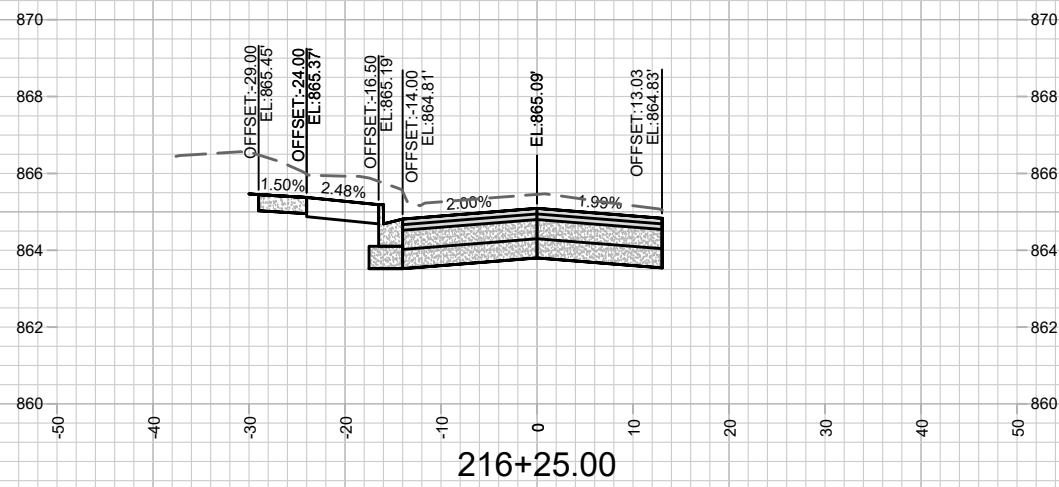
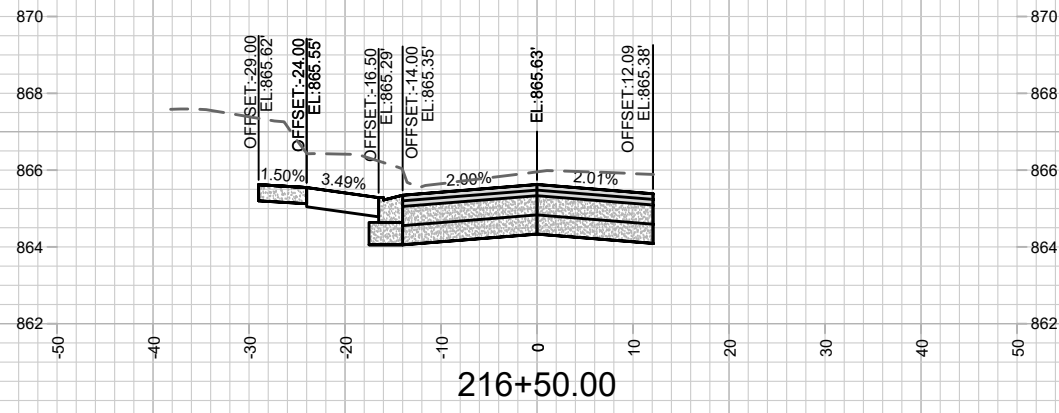
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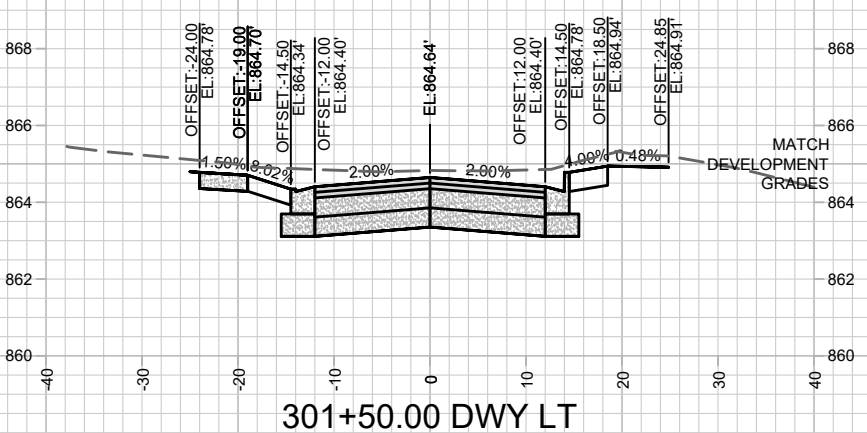
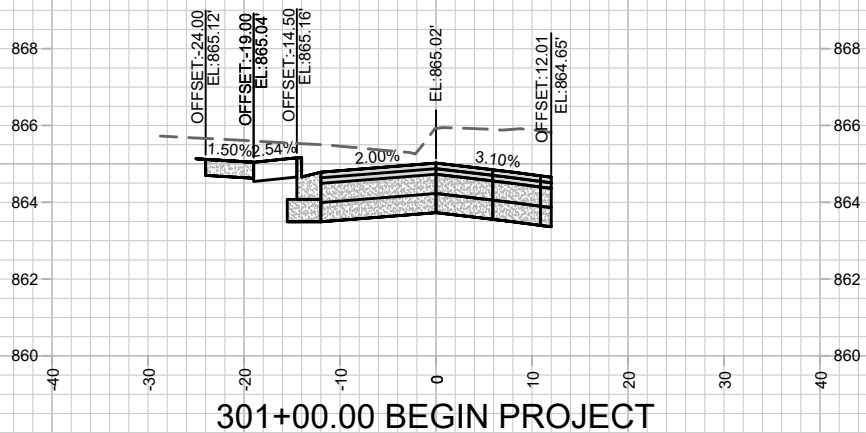
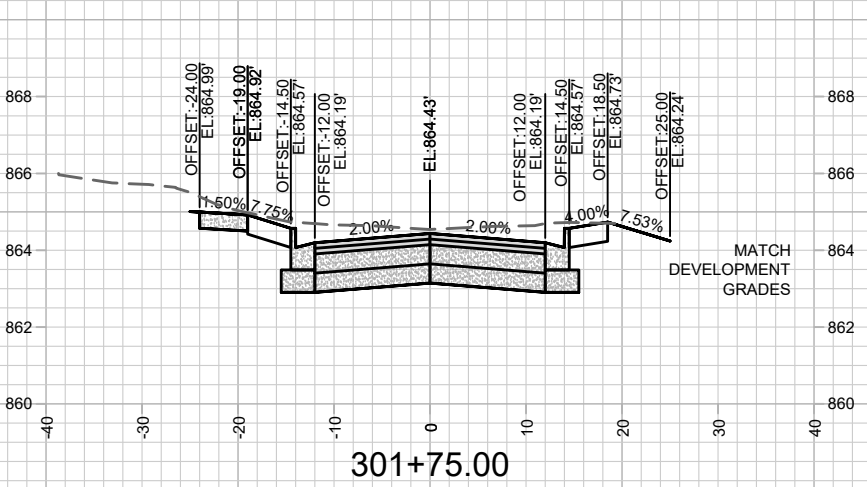
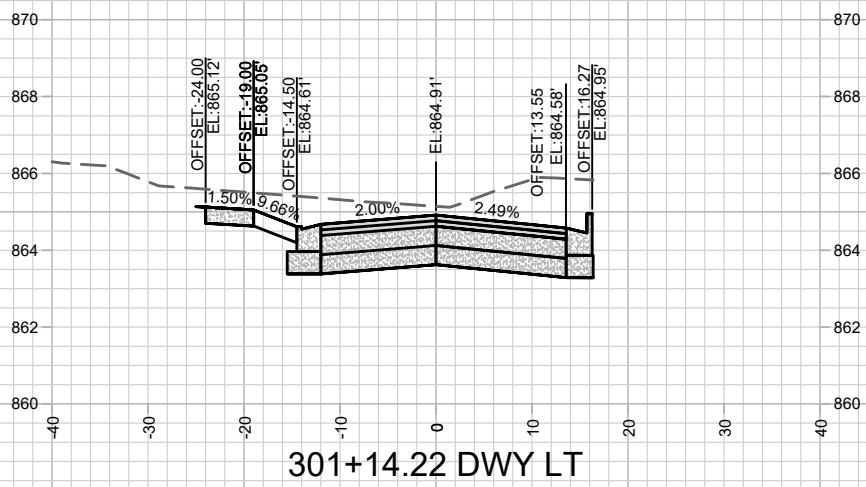
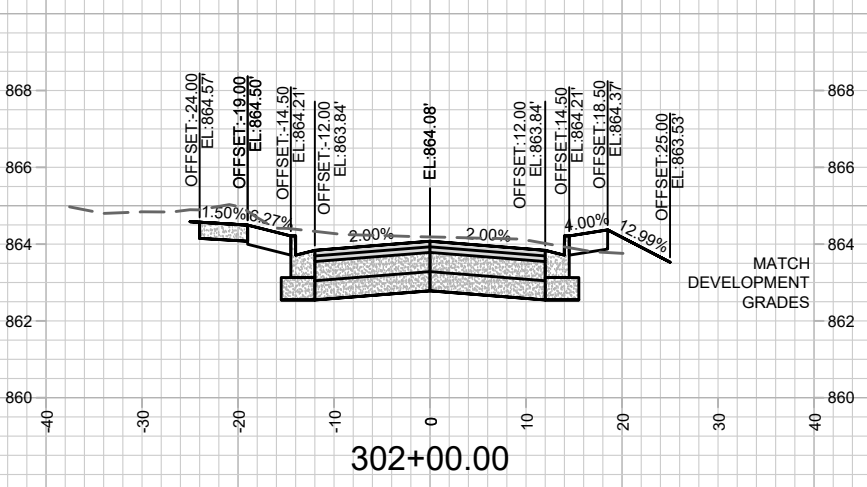
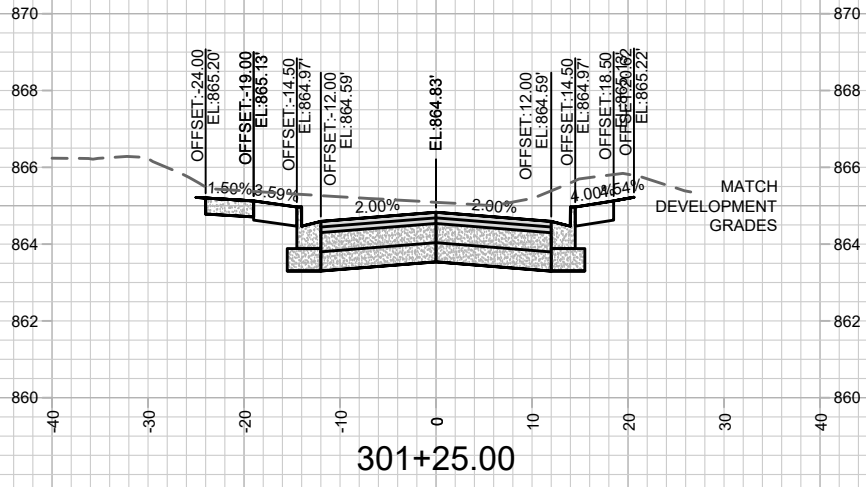
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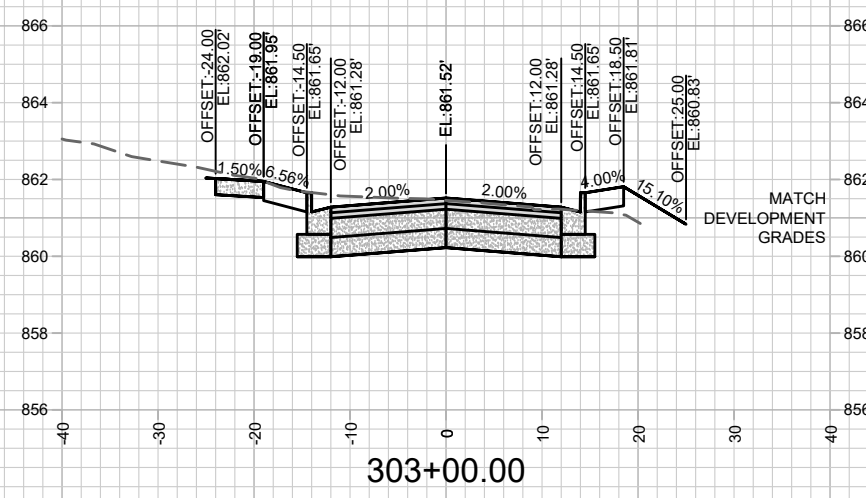
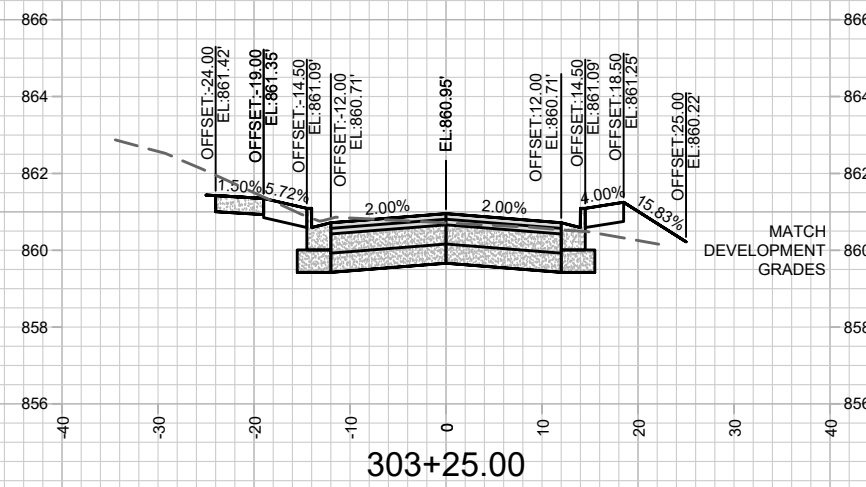
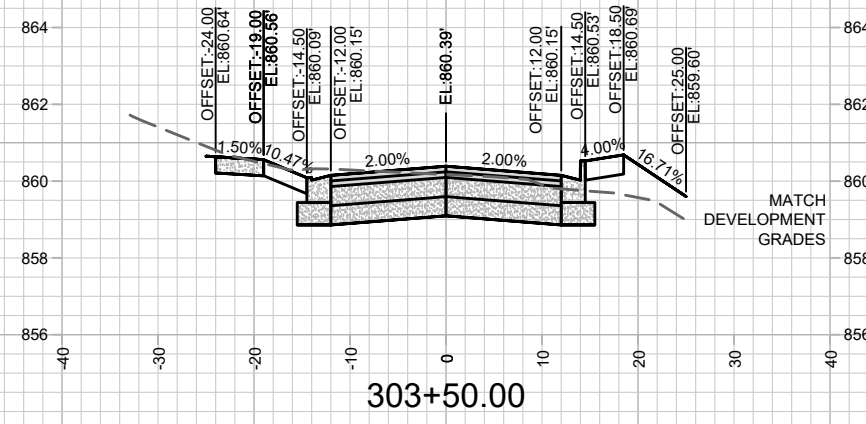
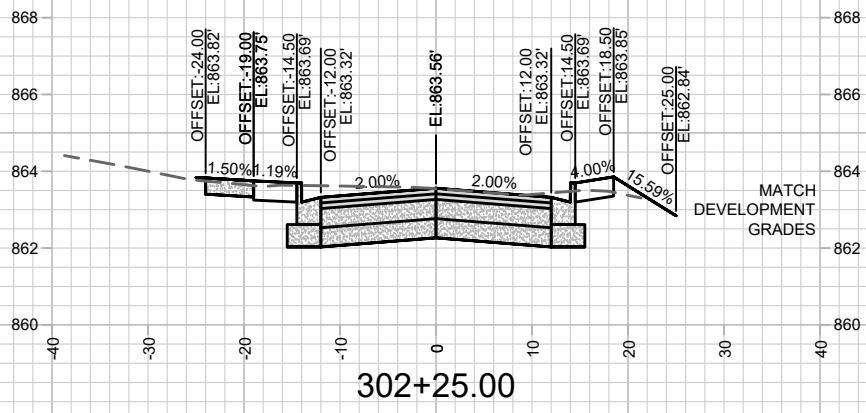
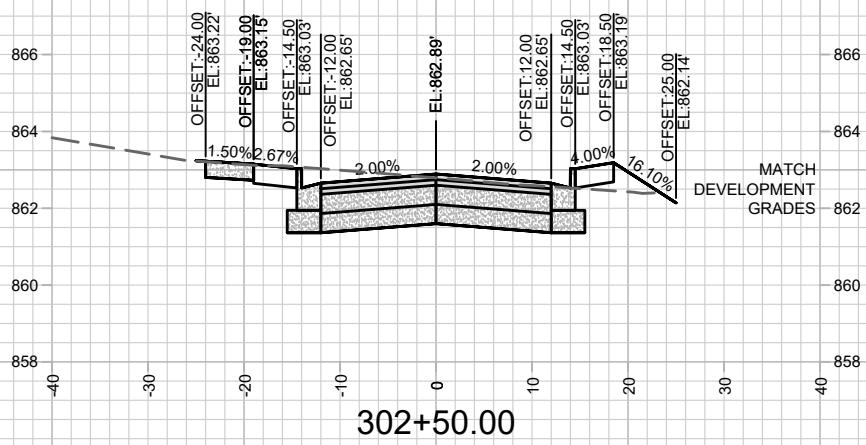
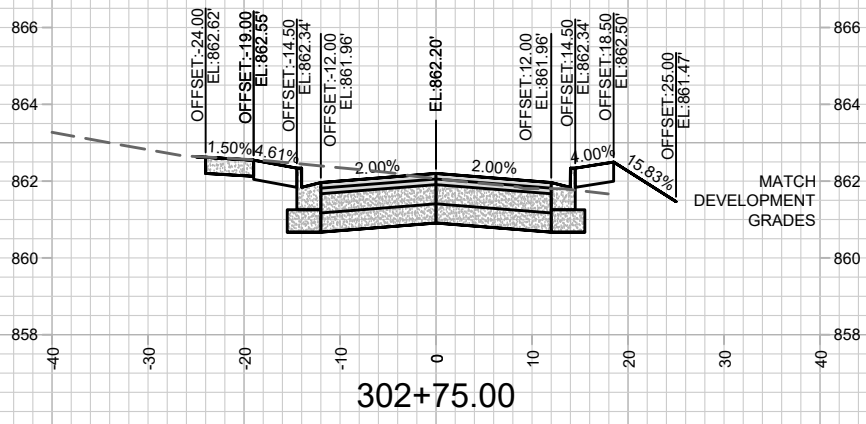
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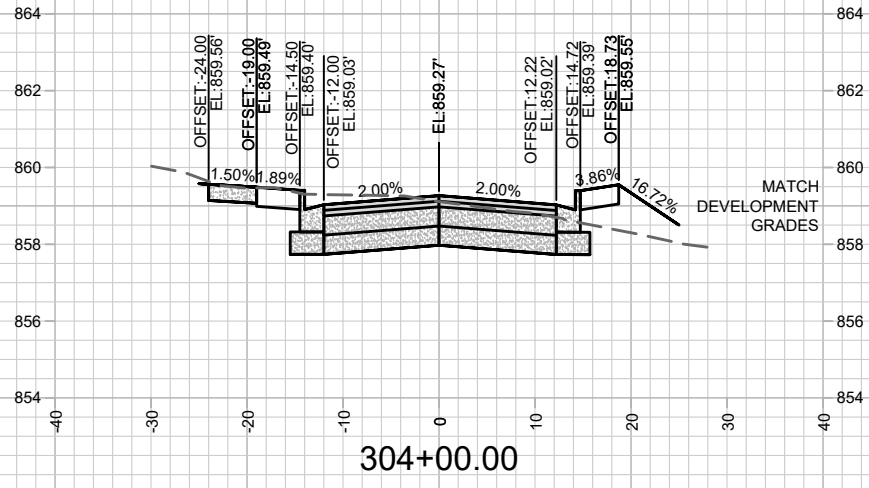
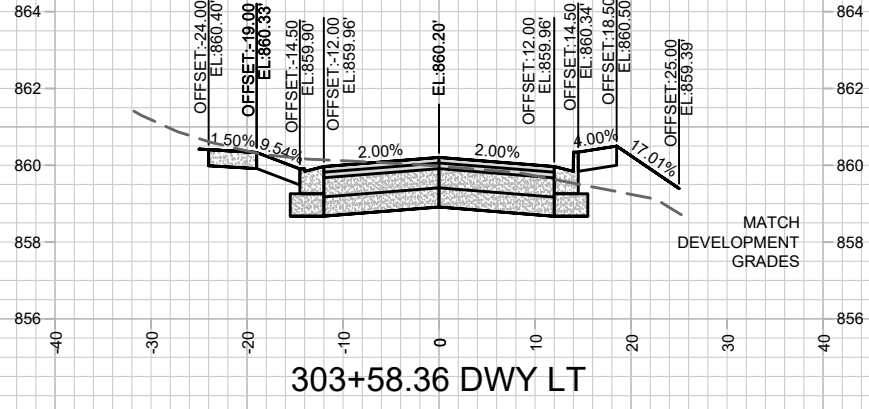
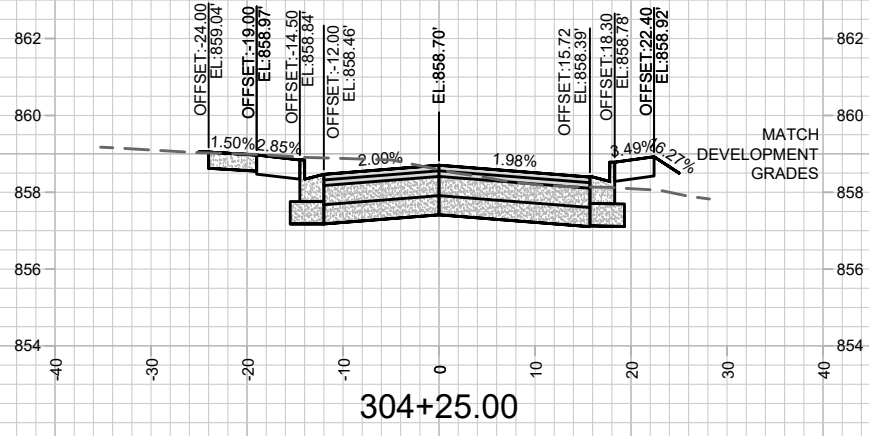
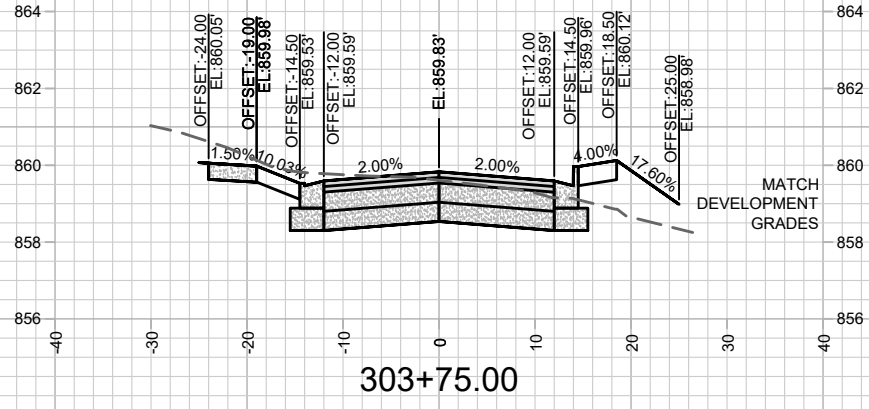
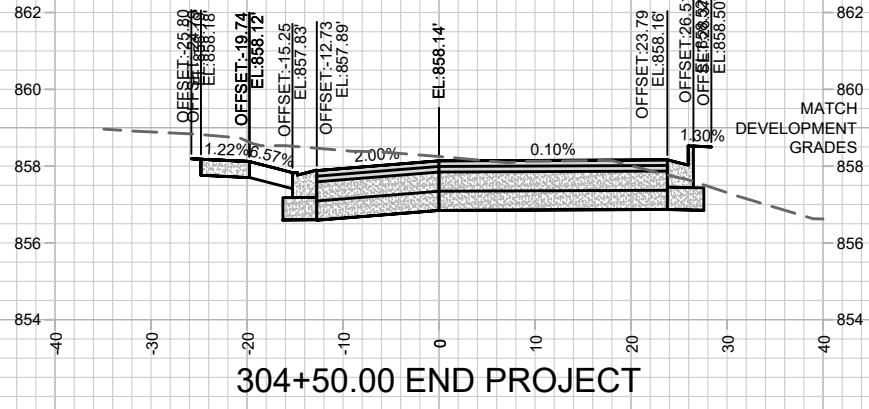
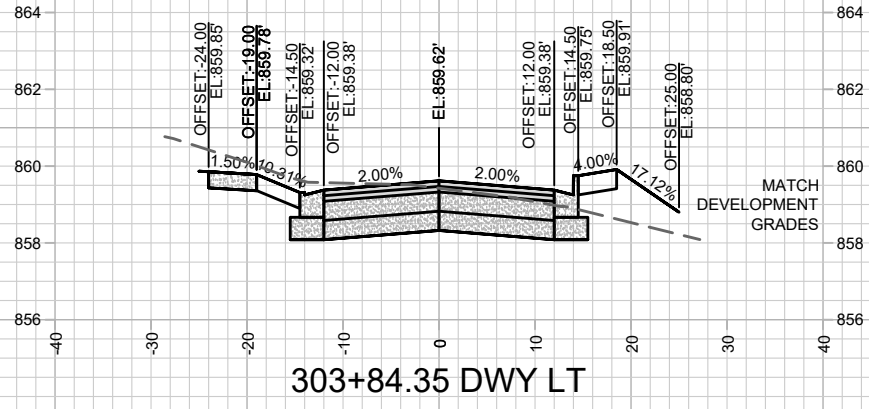
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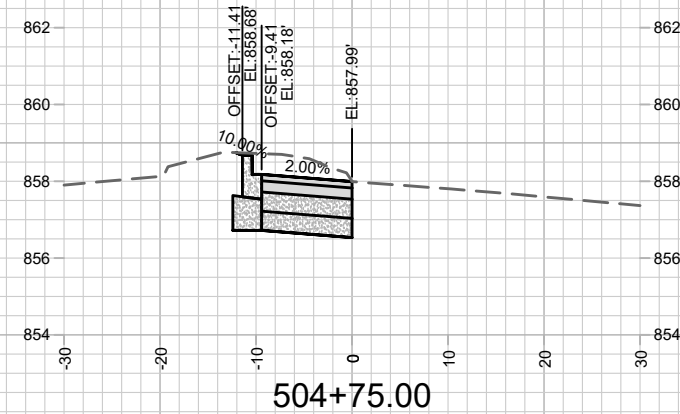
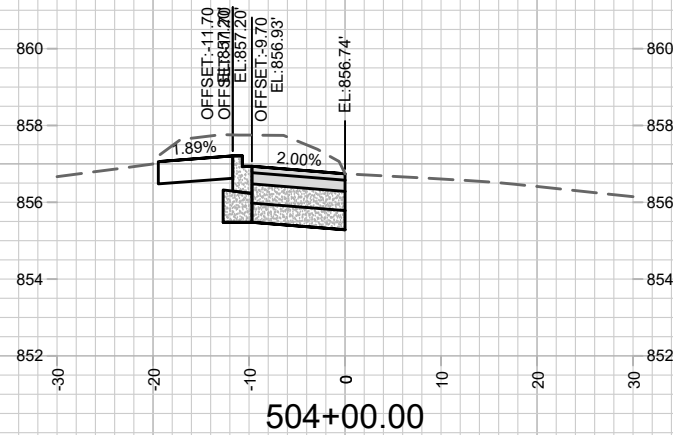
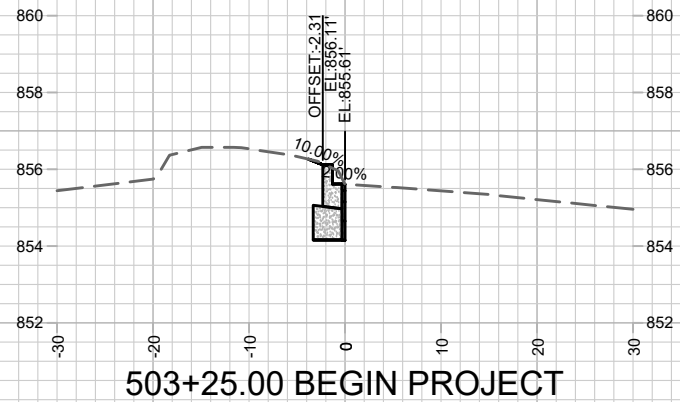
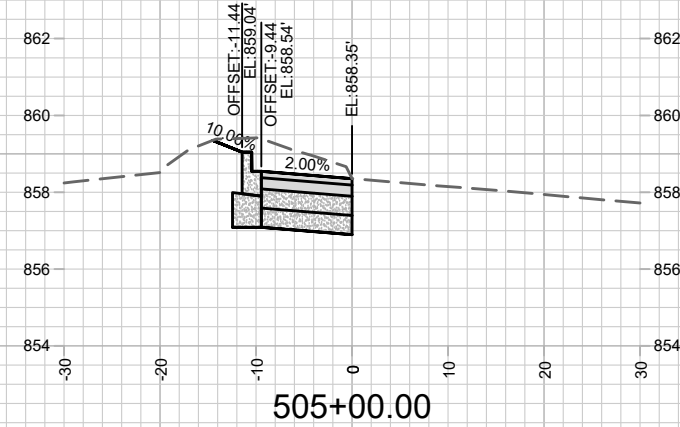
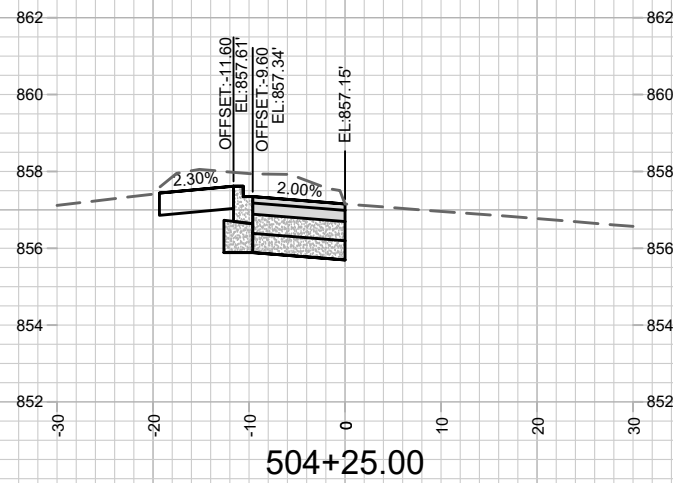
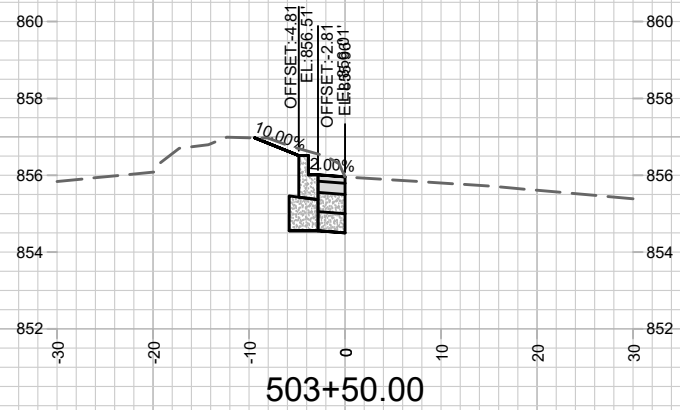
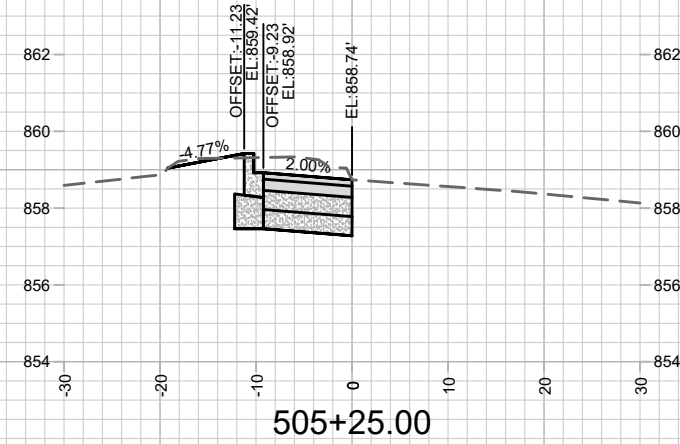
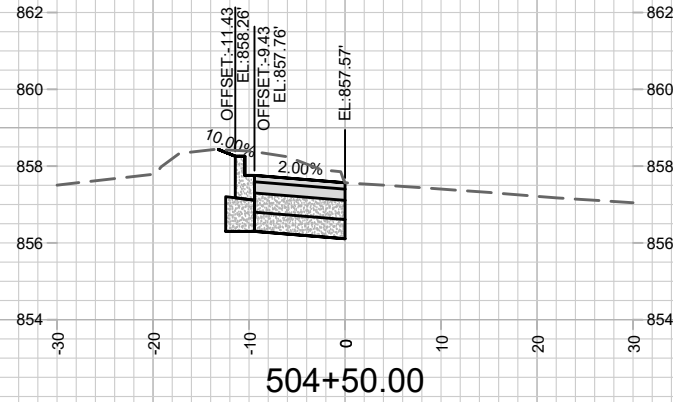
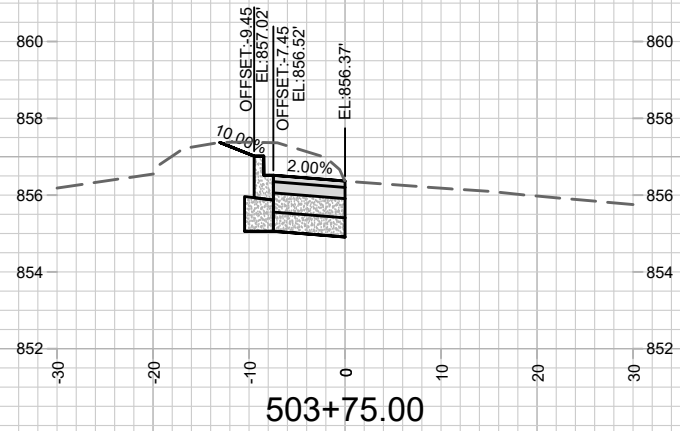


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12956	Designed By: ALZ	Date: 12/18/2020 4:36 PM	Scale: 1" = 20'

12956
MADISON, WI
8504
CONTRACT NO:

HIGH STREET
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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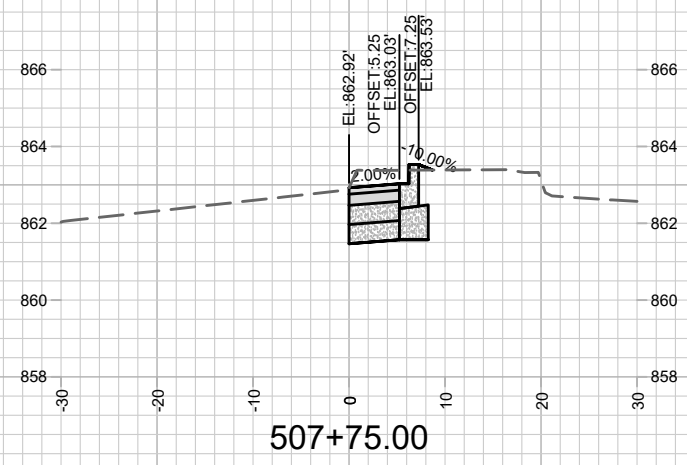
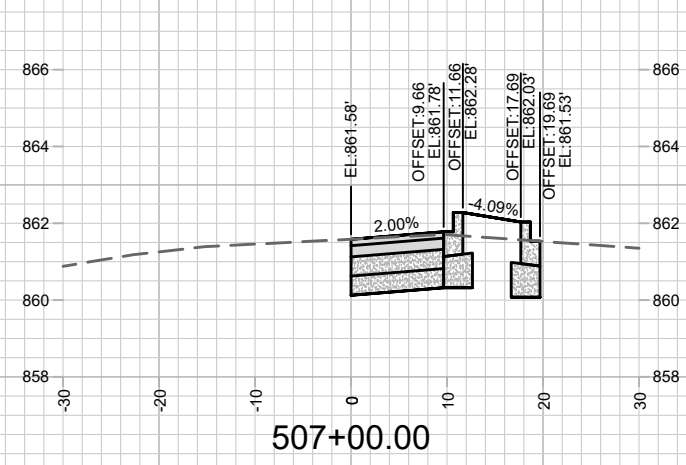
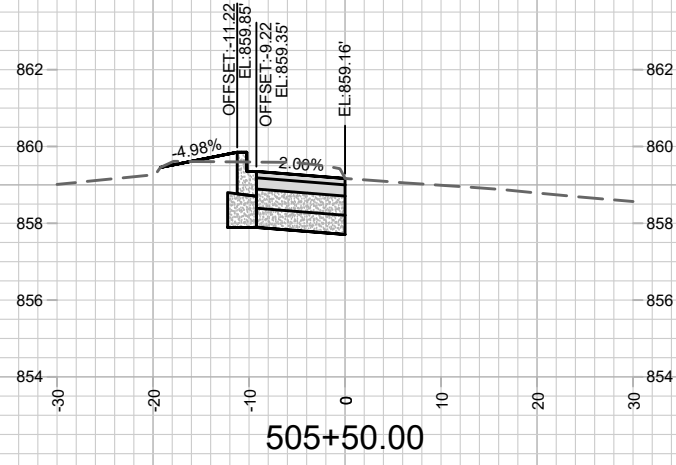
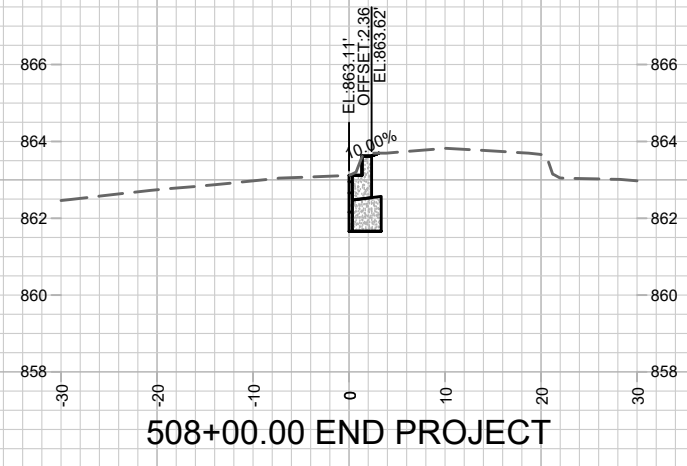
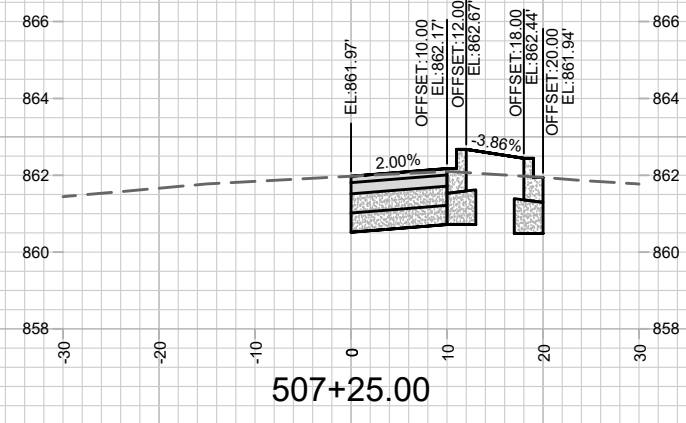
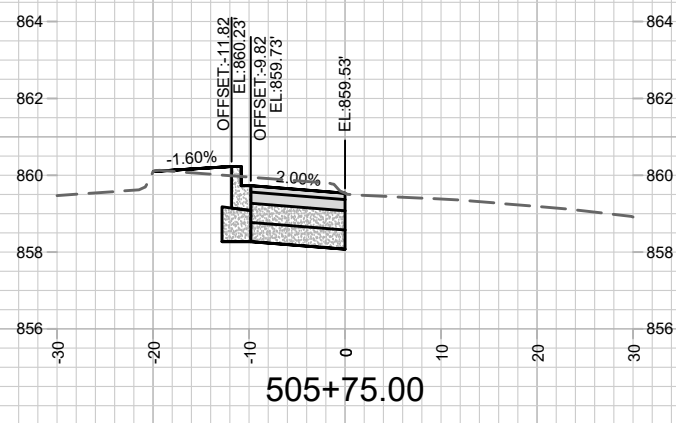
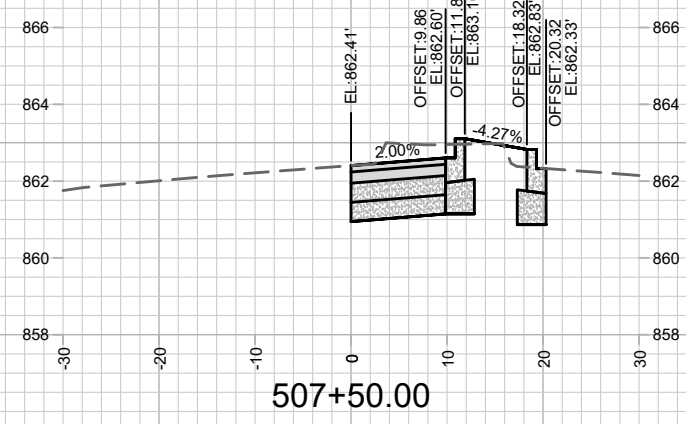
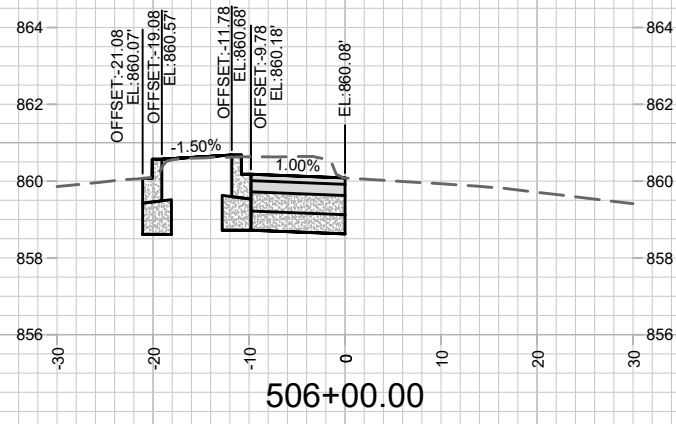
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11866
MADISON, WI
8504
CONTRACT NO:

SOUTH PARK STREET MEDIANS
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
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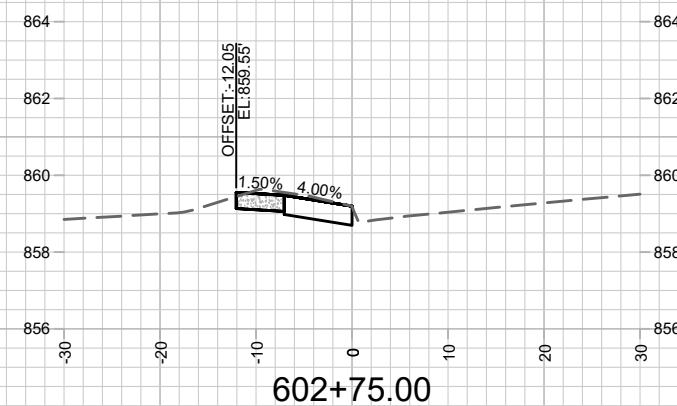
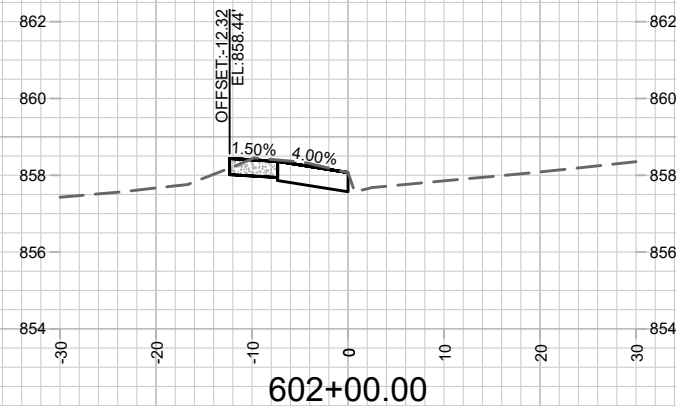
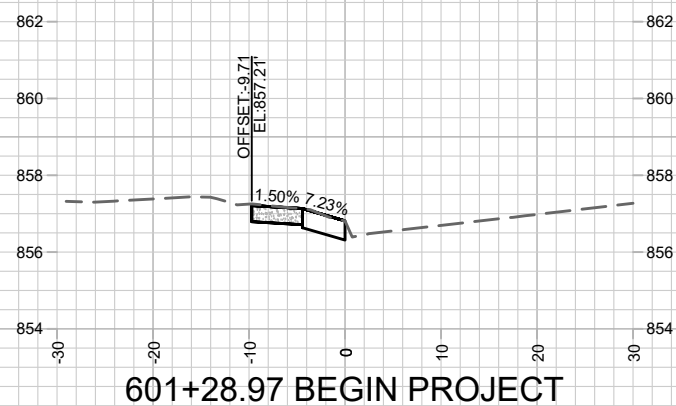
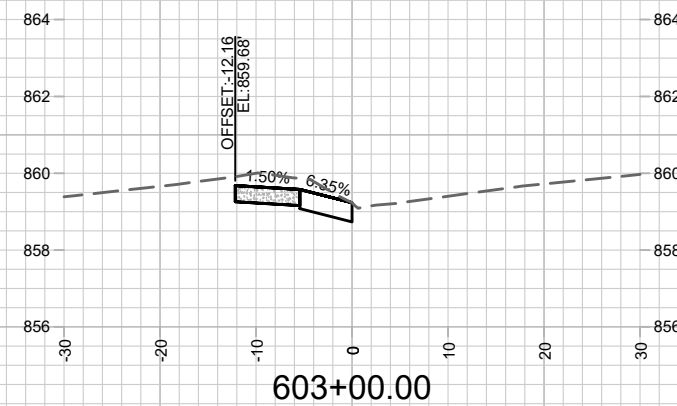
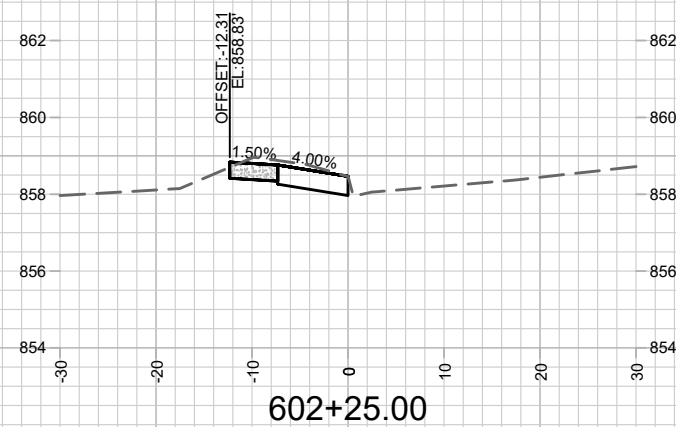
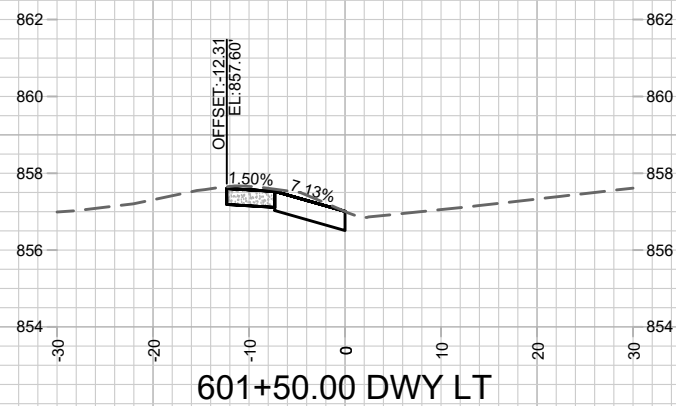
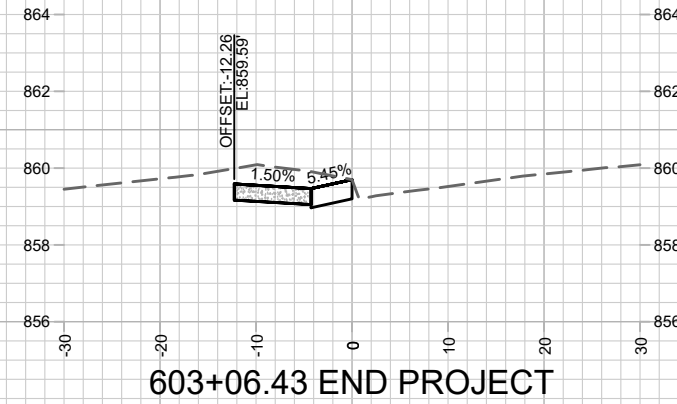
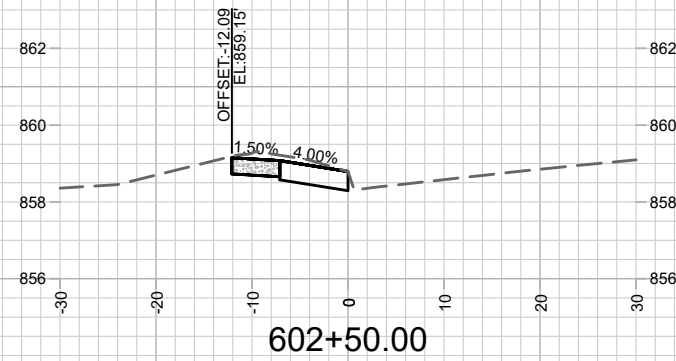
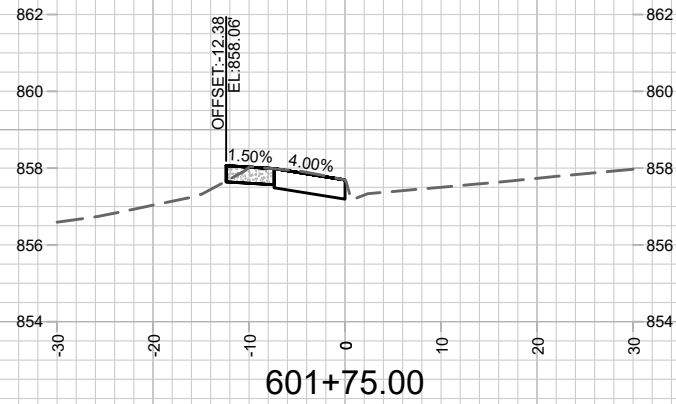
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11866
MADISON, WI
8504
CONTRACT NO:

SOUTH PARK STREET MEDIANS
CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
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11866
X-24

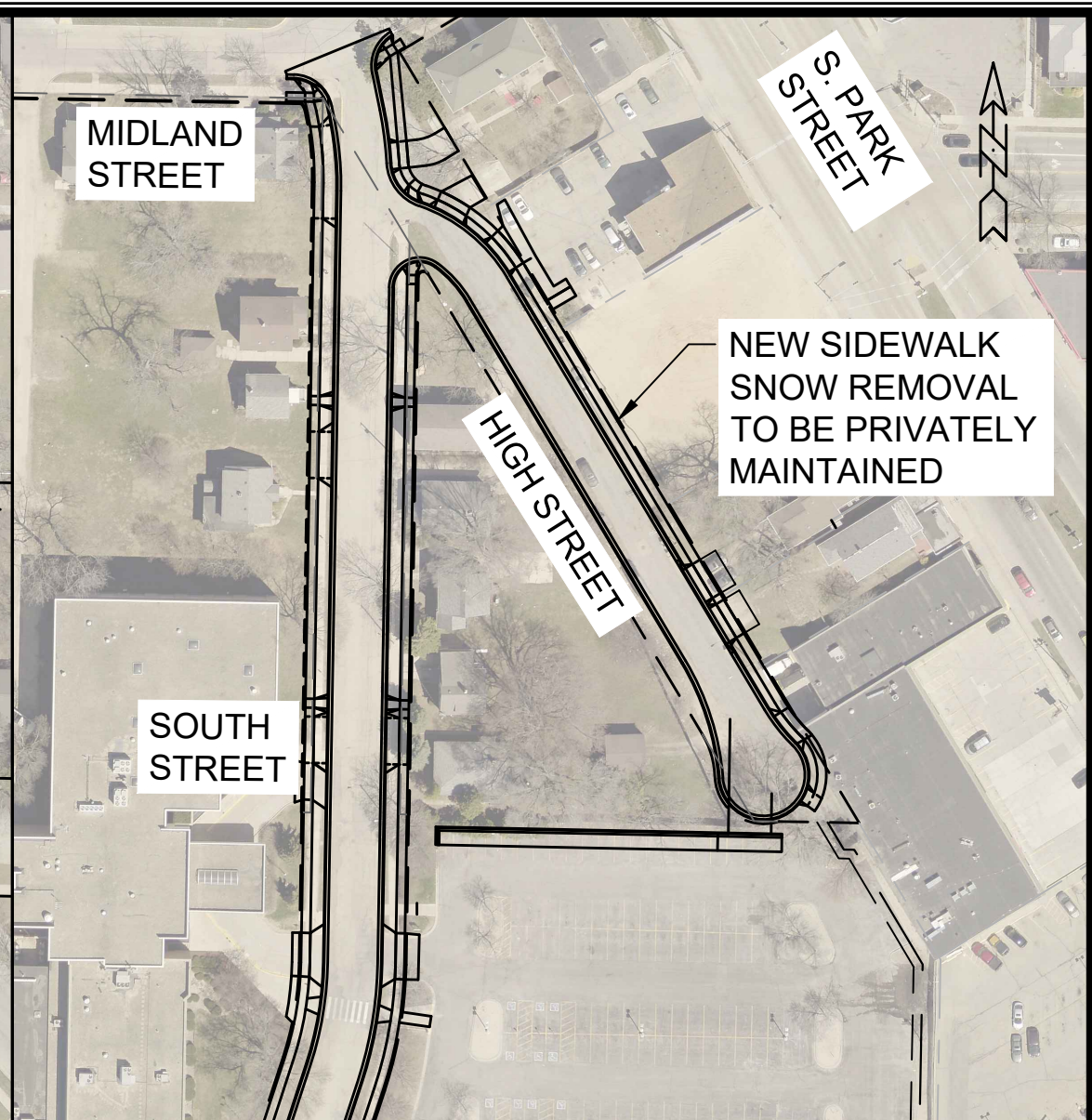
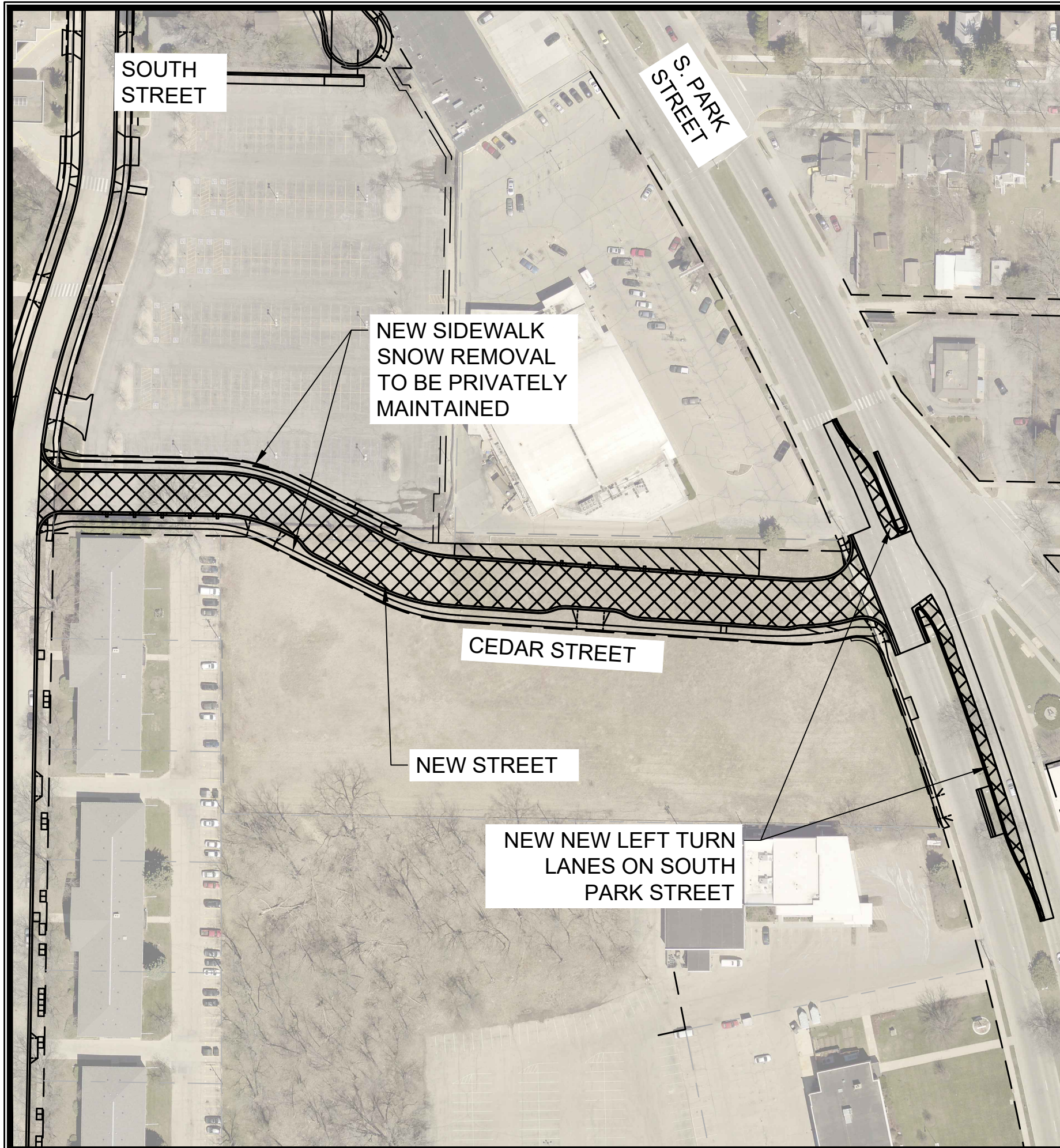


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11866
 SOUTH PARK STREET SIDEWALK
 MADISON, WI
 CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
 CONTRACT NO.: 8504
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LEGEND

-  NEW STREETS (CITY SNOW REMOVAL)
-  SWALE (MAINTENANCE & MOWING REQUIRED)
-  5' SIDEWALK (CITY SNOW REMOVAL)

11866		MAINTENANCE PLAN
MADISON, WI		CEDAR ST, SOUTH ST, HIGH ST, WINGRA DR PROJECT
8504		M:\DESIGN\Projects\11866\CAD\Plan Sheets\11866EN-MaintenancePlan.dwg
CONTRACT NO:	11866	
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SCALE: #####		MA-1

