CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

Madison, Wisconsin

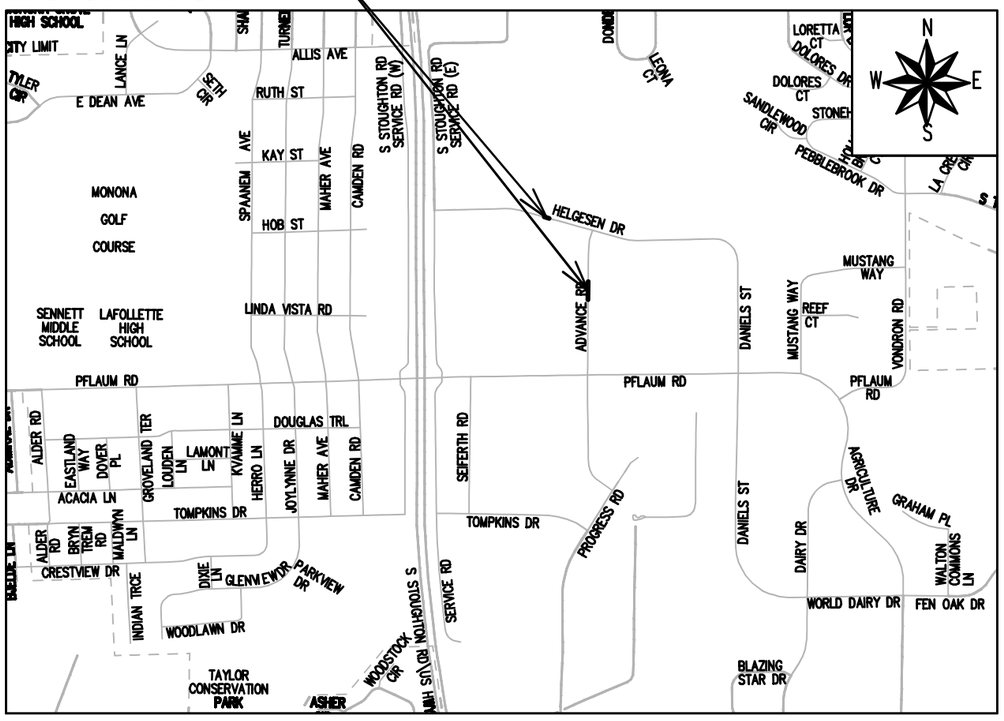
INDEX OF SHEETS

NO MAINTENANCE PLAN REQUIRED

4575 HELGESEN DRIVE CSM

CITY PROJECT NO. 15862
CONTRACT NO. 9669

PROJECT LOCATION



PUBLIC IMPROVEMENT PROJECT APPROVED

DATE: JULY 15, 2025

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

11/05/2025

City Engineer — Date

STREET DESIGNED BY:

WISCONSIN
FADI B EL MUSA GONZALEZ
E-47872
MADISON WI
PROFESSIONAL ENGINEER

11/05/2025

STORM SEWER DESIGNED BY:

WISCONSIN
TIMOTHY N. TROESTER
E-40337
WAUNAKEE WI
PROFESSIONAL ENGINEER

11/05/2025

WATER MAIN DESIGNED BY:

LATERALS ONLY

PLOT SCALE: 1 IN:1 FT_XREF
PLOT NAME: ---
REV. DATE: 9/30/2025 4:51 PM
ORIGINATOR: CITY_OF_MADISON

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AS DEFINED BY SECTION 107.13 OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE:
www.cityofmadison.com/engineering/developers-contractors/standard-specifications

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 14 DAYS PRIOR TO THE START OF WORK. WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE.

CONTACT THE PROJECT ENGINEER AND DESIGNER, REID STITELEY, AT RSTITELEY@CITYOFMADISON.COM FOR CAD FILES AND ALIGNMENT DATA PRIOR TO STAKING.

CONTACT THE CITY CONSTRUCTION ENGINEER, KYLE FRANK, AT KFRANK@CITYOFMADISON.COM FOR PRECONSTRUCTION SCHEDULING, COORDINATION, AND INSPECTION.

UNDERDRAINS SHALL BE INSTALLED PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK UNLESS OTHERWISE INDICATED ON THE PLANS.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO S.D.D. 3.05.

ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION LATEST EDITION.

ALL PROPOSED IMPROVEMENTS IN THE RIGHT-OF-WAY ARE BASED ON SURVEY DATA PROVIDED BY THE DEVELOPER OR ITS CONSULTANT. IN THE CASE THAT THE PROPOSED IMPROVEMENTS CAN NOT BE INSTALLED PER THESE PLANS OR THE CITY OF MADISON STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE COST OF EXTRA WORK DUE TO INACCURACIES OF THE SURVEY.

ALL UTILITY VERIFICATIONS AND ACCURACY OF THE DRAWINGS ARE THE RESPONSIBILITY OF THE DEVELOPER. ANY CONFLICTS THAT ARISE FROM MISSING OR ERRONEOUS INFORMATION WILL BE AT THE EXPENSE OF THE DEVELOPER. NO PRECAST STRUCTURES WILL BE APPROVED FOR STORM OR SANITARY SEWER UNTIL ALL POTENTIAL UTILITY CONFLICTS ARE RESOLVED.

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	CAUTION

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15862
MADISON, WI
CONTRACT NO: 9669

GENERAL NOTES
4575 HELGESEN DRIVE CSM
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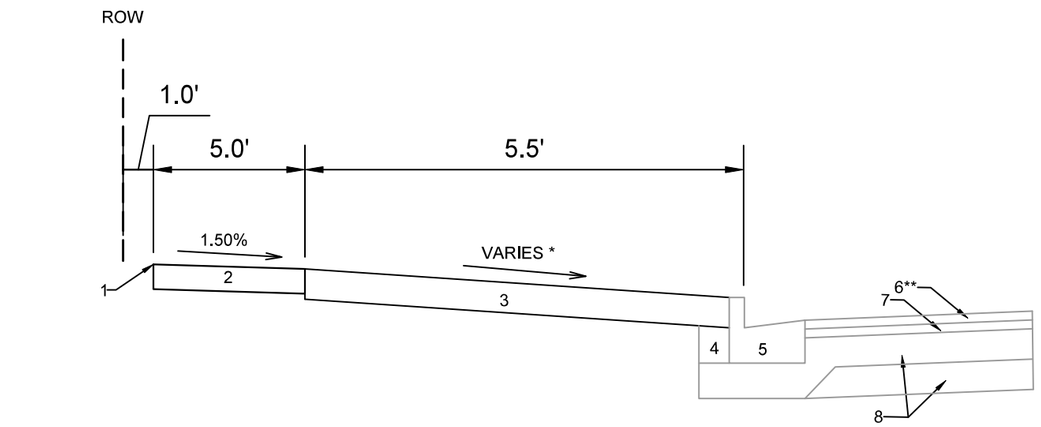
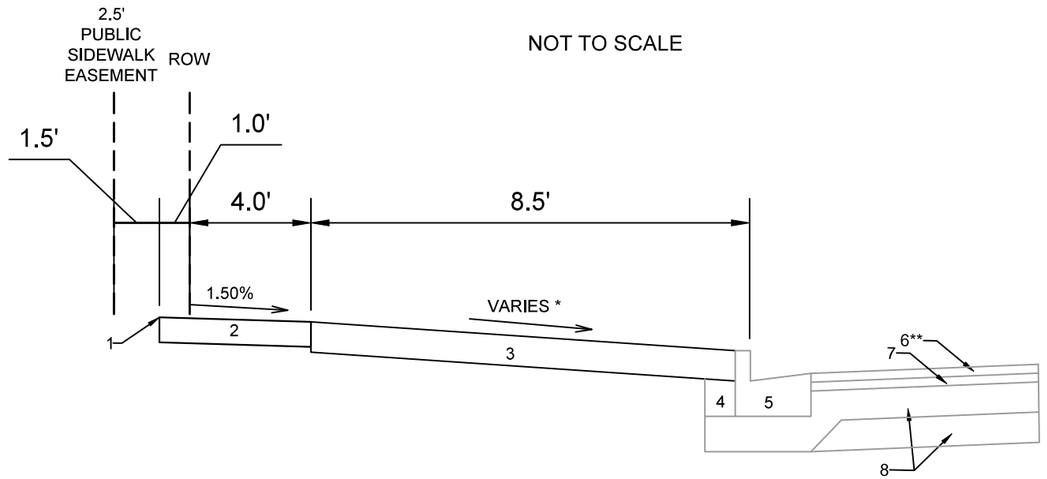


TYPICAL SECTION
HELGESEN DR

NOT TO SCALE



TYPICAL SECTION
ADVANCE RD

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SPECIAL NOTES:

*SEE X SHEETS FOR PROPOSED SURFACE SLOPES.

**FINAL ASPHALT PATCHING LIMITS TO BE DETERMINED IN FIELD BY CONSTRUCTION ENGINEER. SEE P SHEETS FOR DETAILS.

1. POINT REFERRED TO ON PROFILE
2. 5" CONCRETE SIDEWALK
3. RESTORE DISTURBED AREAS WITH 6" TOPSOIL, SEED, AND MATTING
4. EX FILL TO REMAIN
5. EX CONCRETE CURB AND GUTTER TYPE 'A' TO REMAIN, REPLACE IN LOCATIONS IDENTIFIED IN P SHEETS OR AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER
6. 2" HMA PAVEMENT - TYPE 4 LT 58-28 S (UPPER LAYER)
7. EX PAVEMENT TO REMAIN
8. EX CRUSHED AGGREGATE BASE COURSE TO REMAIN

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MADISON, WI
9669
CONTRACT NO:

TYPICAL SECTIONS
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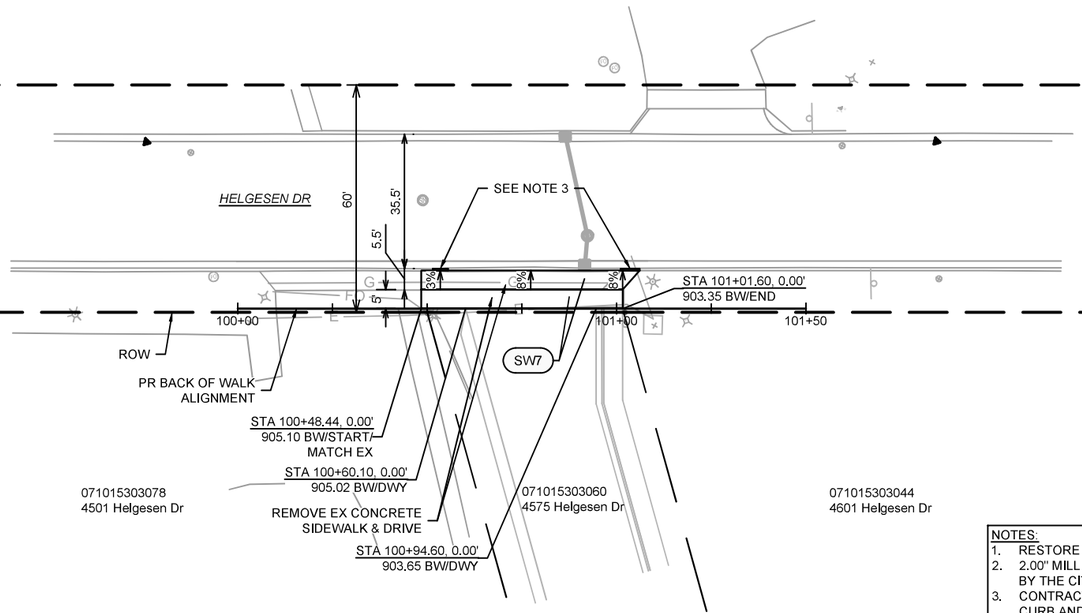

LEGEND

- SAWCUT
- X TREE REMOVAL
- MILL & OVERLAY PATCHING LIMITS. SEE NOTE 2.
- SW5 5 INCH CONCRETE SIDEWALK
- SW7 7 INCH CONCRETE SIDEWALK & DRIVE
- 30A TYPE "A" CONCRETE CURB & GUTTER

NOTES:

1. RESTORE DISTURBED TERRACE AREA WITH 6 INCHES OF TOPSOIL, SEED, AND EROSION MAT.
2. 2.00" MILL AND OVERLAY LIMITS. LIMITS SHOWN ARE APPROXIMATE AND CAN BE MODIFIED IN THE FIELD BY THE CITY CONSTRUCTION ENGINEER. OVERLAY PAVEMENT SHALL BE HMA 4 LT 58-28 S.
3. CONTRACTOR HAS THE OPTION TO PROFILE CUT THE CURB AND GUTTER OR REMOVE AND REPLACE CURB AND GUTTER. USE THE PAVEMENT EDGES AS A FORM. DO NOT DAMAGE THE ASPHALT. SEE SDD 3.02 "MADISON STANDARD CURB CUT DETAILS".
4. DAMAGE TO PAVEMENT FROM REMOVING CURB AND GUTTER WILL REQUIRE A 2" MILL & OVERLAY FROM EDGE OF GUTTER TO ROAD CENTERLINE.
5. SEE COMMERCIAL DRIVEWAY PERMIT LNDSPR-2025-00001
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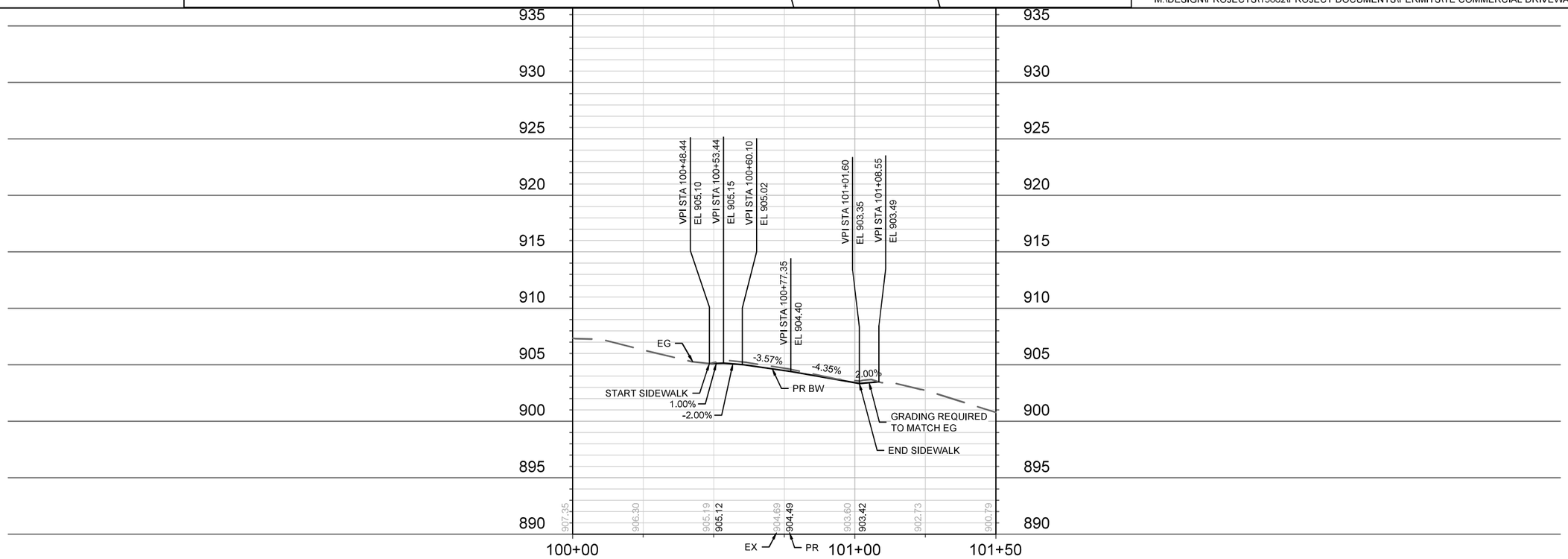

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MADISON, WI
9669
CONTRACT NO:

SIDEWALK PLAN & PROFILE - 4575 HELGESEN DR
4575 HELGESEN DRIVE CSM
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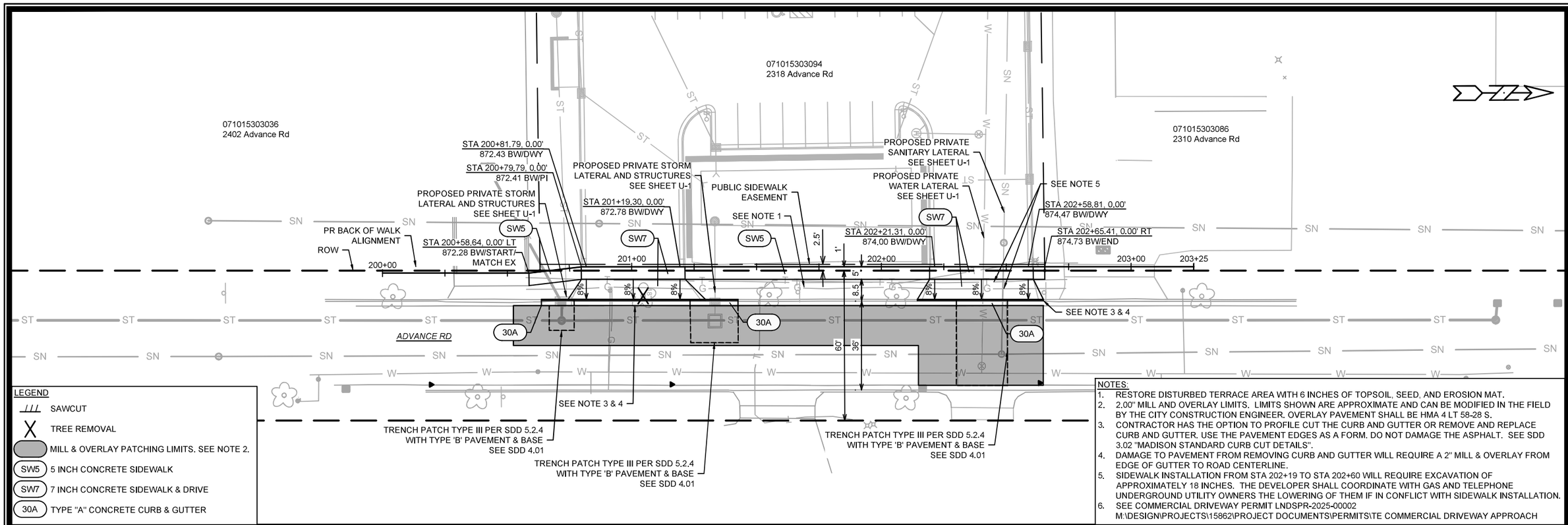

LEGEND

- SAWCUT
- TREE REMOVAL
- MILL & OVERLAY PATCHING LIMITS. SEE NOTE 2.
- SW5 5 INCH CONCRETE SIDEWALK
- SW7 7 INCH CONCRETE SIDEWALK & DRIVE
- 30A TYPE "A" CONCRETE CURB & GUTTER

NOTES:

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3. CONTRACTOR HAS THE OPTION TO PROFILE CUT THE CURB AND GUTTER OR REMOVE AND REPLACE CURB AND GUTTER. USE THE PAVEMENT EDGES AS A FORM. DO NOT DAMAGE THE ASPHALT. SEE SDD 3.02 "MADISON STANDARD CURB CUT DETAILS".
4. DAMAGE TO PAVEMENT FROM REMOVING CURB AND GUTTER WILL REQUIRE A 2" MILL & OVERLAY FROM EDGE OF GUTTER TO ROAD CENTERLINE.
5. SIDEWALK INSTALLATION FROM STA 202+19 TO STA 202+60 WILL REQUIRE EXCAVATION OF APPROXIMATELY 18 INCHES. THE DEVELOPER SHALL COORDINATE WITH GAS AND TELEPHONE UNDERGROUND UTILITY OWNERS THE LOWERING OF THEM IF IN CONFLICT WITH SIDEWALK INSTALLATION.
6. SEE COMMERCIAL DRIVEWAY PERMIT LNDSPR-2025-00002
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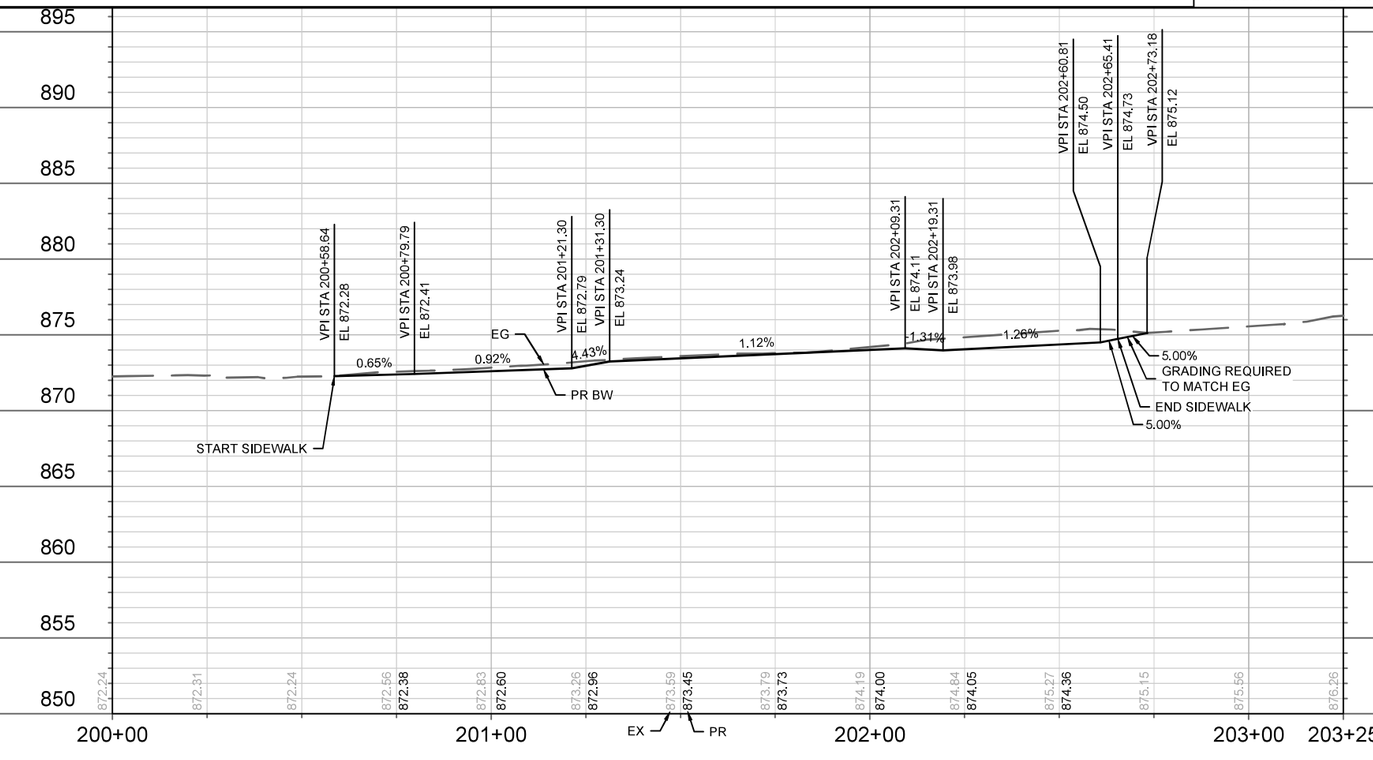

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MADISON, WI

9669

CONTRACT NO:

SIDEWALK PLAN & PROFILE - 2318 ADVANCE RD

4575 HELGESEN DRIVE CSM

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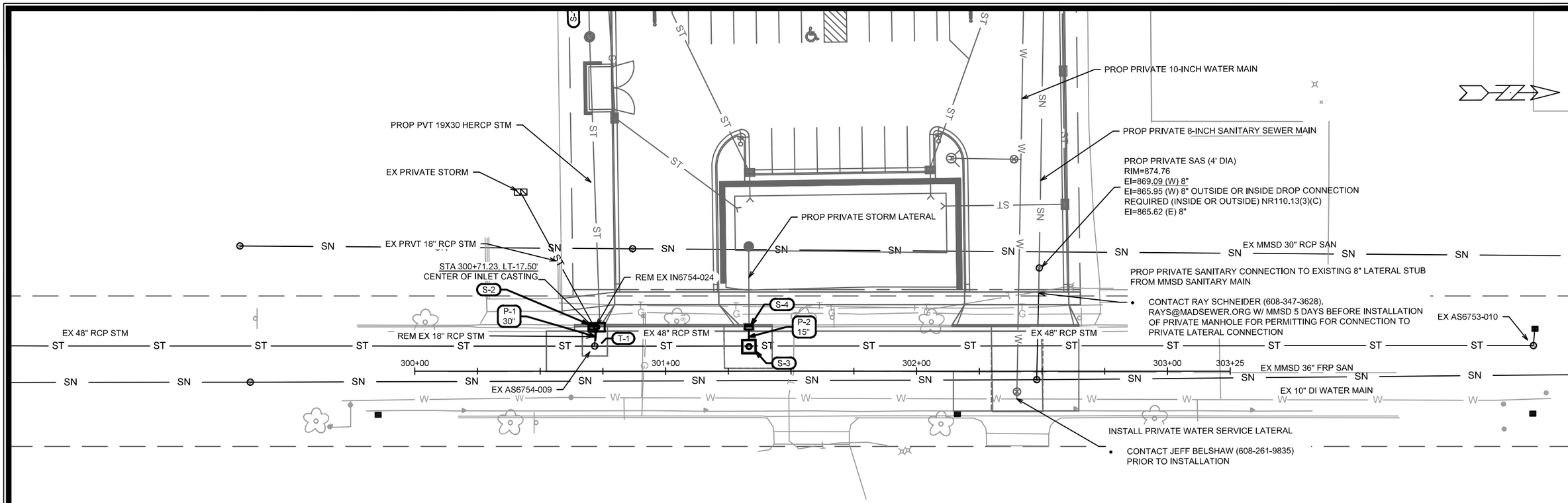

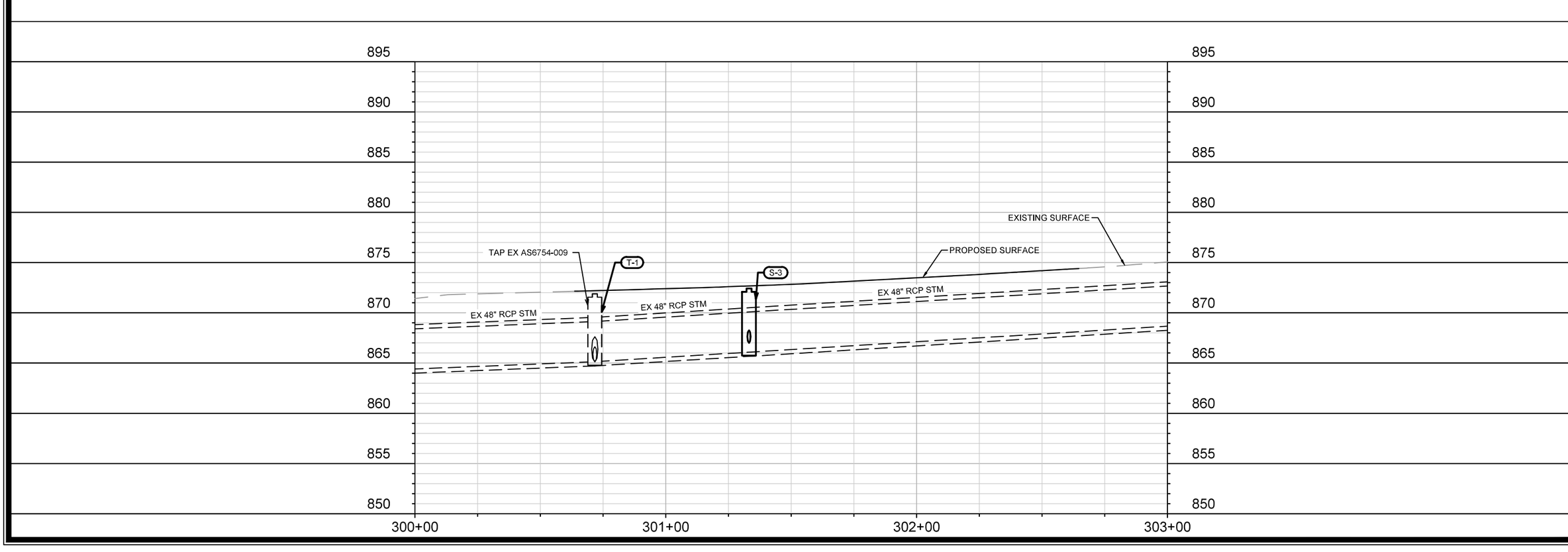

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MADISON, WI

CONTRACT NO: 9669

SEWER PLAN & PROFILE - 2318 ADVANCE RD

4575 HELGESEN DRIVE CSM

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STORM SEWER SCHEDULE

4575 HELGESEN DRIVE CSM	SHEET NO.
PROJECT NO. 15862	U-2
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
ADVANCE ROAD							
T-1	300+71.73	LT-10.00	STORM TAP	871.88	865.13	-	[1]
S-2	300+72.45	LT-17.50	3'X6' STORM SAS	872.07	865.57	6.50	FP; W/R-3067-7004-V; [2]
S-3	301+33.20	LT-9.81	5'X5' STORM SAS	872.42	867.01	5.41	W/R-1550-0054
S-4	301+33.16	LT-17.50	H-INLET	872.63	867.20	5.43	W/R-3067-7004-V; [3]

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
ADVANCE ROAD										
P-1	T-1	S-2	865.13	865.57	8	5	9.40%	30"	RCP	
P-2	S-3	S-4	867.01	867.20	8	4	4.49%	15"	RCP	

STORM STRUCTURE REMOVALS

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ADVANCE ROAD				
IN6754-024	300+71.73	LT-17.50	EX INLET	

STORM PIPE REMOVALS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
ADVANCE ROAD							
EX 18" RCP	AS6754-009	IN6754-024	5	N	18"	RCP	

SPECIFIC NOTES:

[1] STORM TAP, CONNECT P-1 TO EX AS6754-009
[2] OFFSET CASTING STA 300+71.23 LT-17.50; RECONNECT EXISTING PVT 18" STM IE=868.06; CONNECT PROP PVT HERCP EI=866.57
[3] CONNECT PROP PVT 12' RCP STORM EI=867.20

STANDARD NOTES:

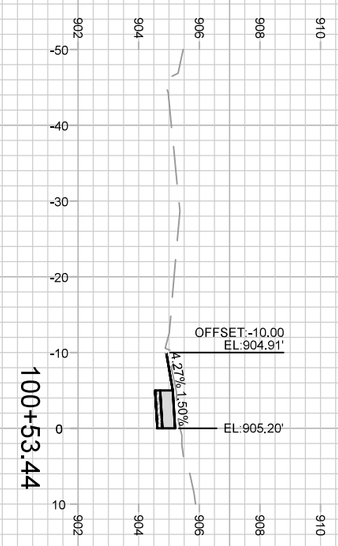
-PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

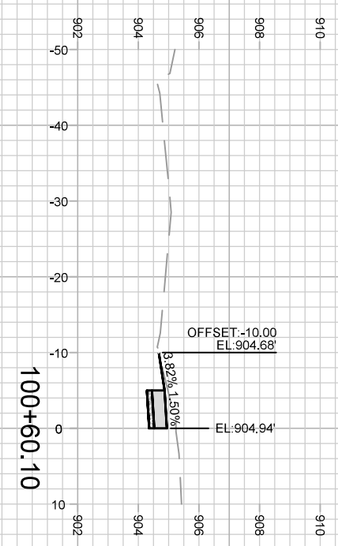
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN

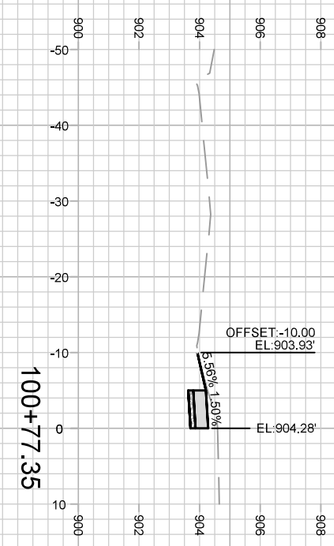
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

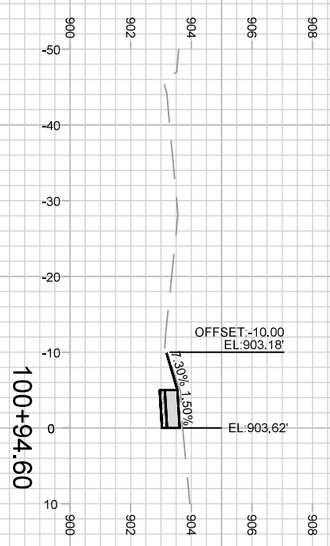
-ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.

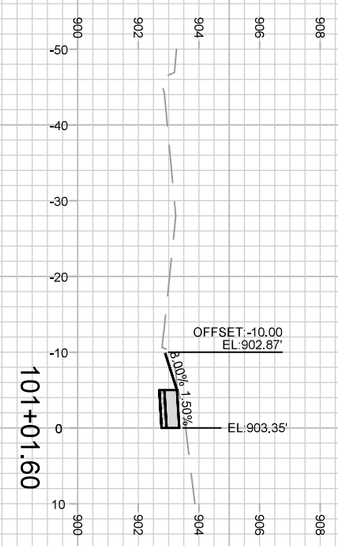
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT TIM TROESTER OF CITY ENGINEERING AT (608) 267-1995 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO TTROESTER@CITYOFMADISON.COM.











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15862

CROSS SECTIONS - 4575 HELGESEN DR — 15862

4575 HELGESEN DRIVE CSM — MADISON, WI

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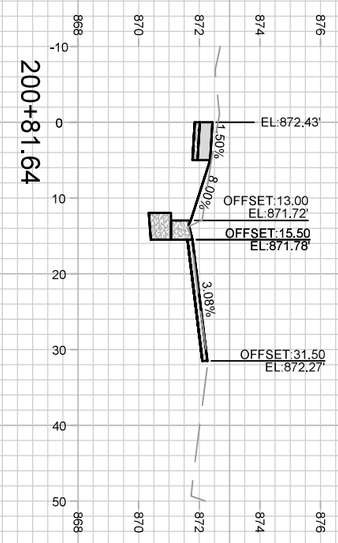

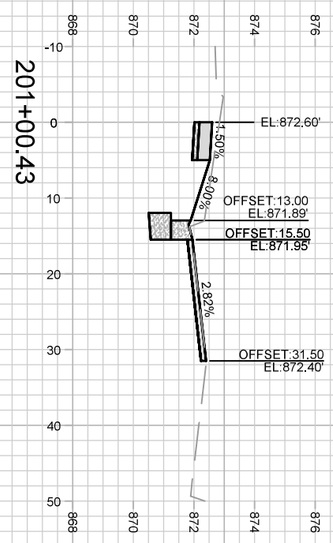

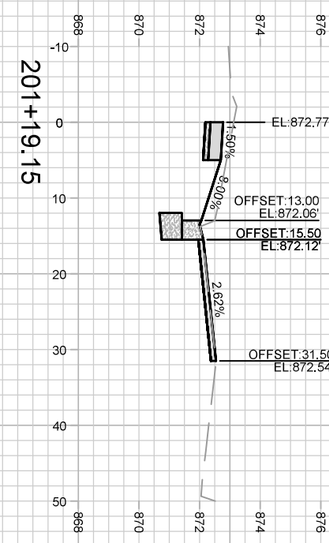

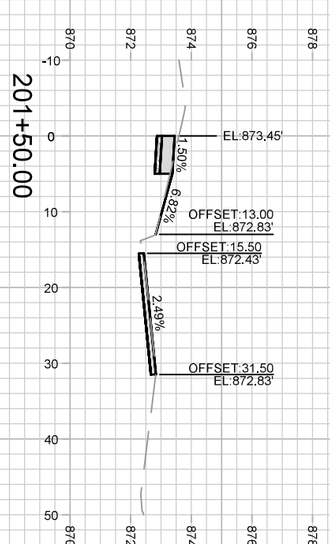

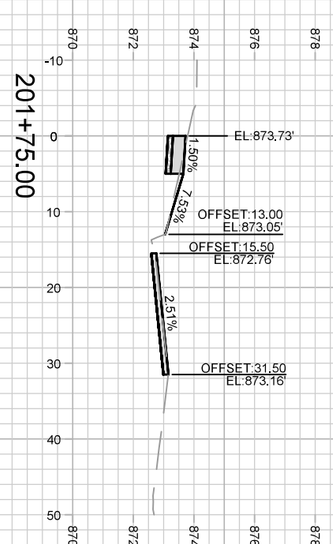

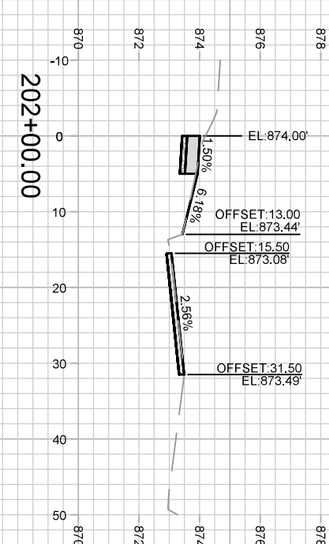

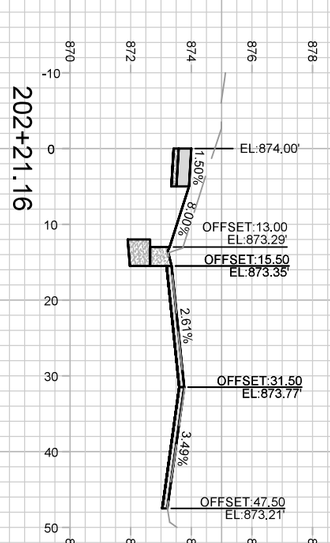

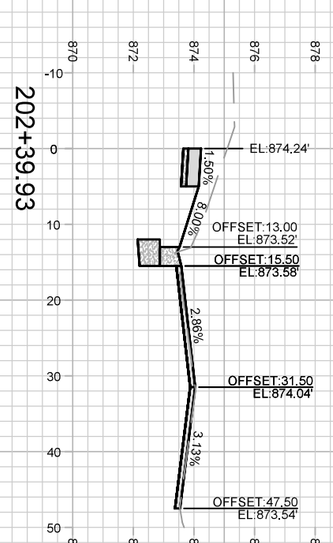

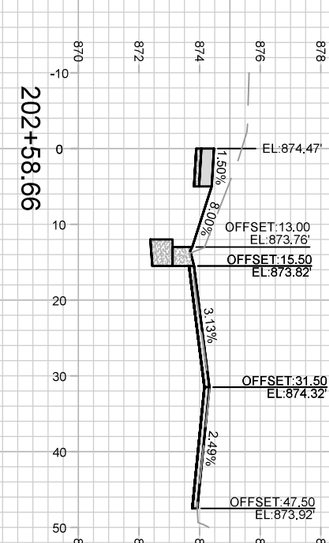

X-2

15862

CROSS SECTIONS - 2318 ADVANCE RD — 15862

4575 HELGESEN DRIVE CSM — MADISON, WI

M:\DESIGN\Projects\15862\CAD\Streets\15862EN-Corridor.dwg — CONTRACT NO: 9669

MARK	REVISION	DATE	BY
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Designed By: ### | Date: 10/1/2025 1:51 PM | Scale: 1" = 20'

15862 | X-2