



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

OCTOBER 29, 2024

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Dec 9, 2024

City Engineer

Date

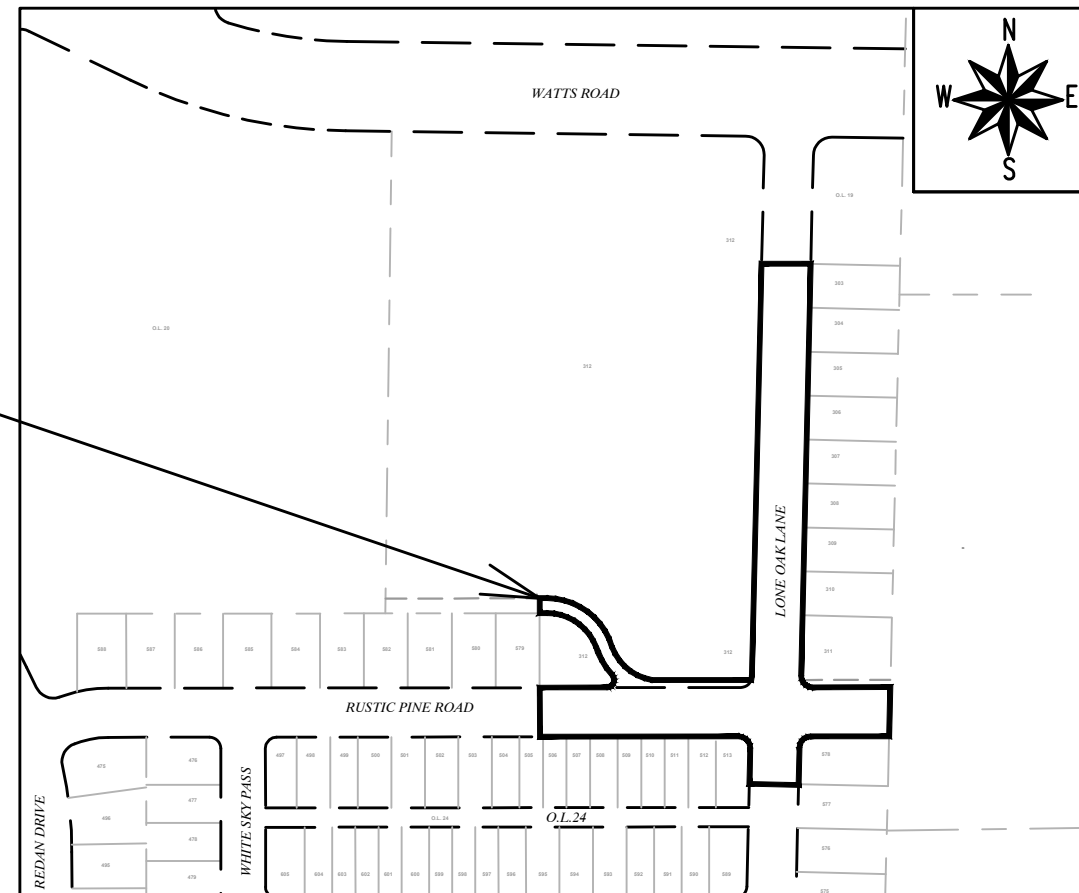
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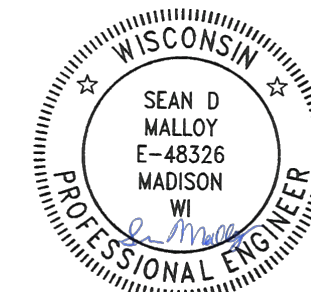
## ACACIA RIDGE PHASE 12

CITY PROJECT NO. 15352  
CONTRACT NO. 9554

PROJECT LOCATION



STREET GEOMETRICS DESIGNED BY:



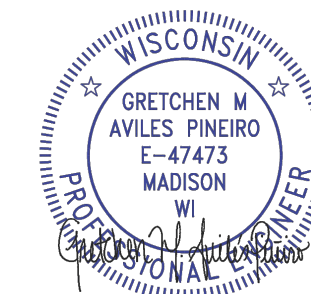
Dec 9, 2024

STREET DESIGNED BY:



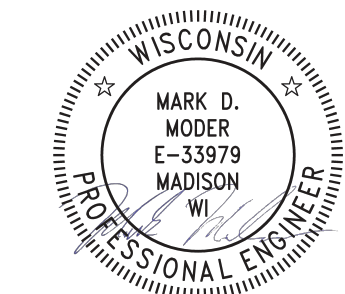
Dec 9, 2024

ELECTRICAL DESIGNED BY:



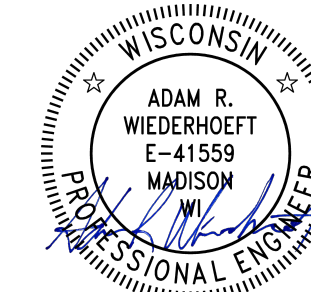
Dec 9, 2024

SANITARY SEWER DESIGNED BY:



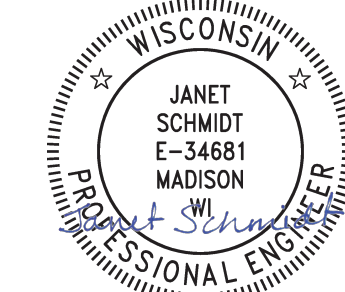
Dec 9, 2024

WATER DESIGNED BY:



Dec 9, 2024

STORM SEWER DESIGNED BY:



Dec 9, 2024

PLOT SCALE: 1 IN.=1 FT., XREF  
PLOT NAME: ---  
REV. DATE: 12/9/2024 9:48 AM

ORIGINATOR: CITY\_OF\_MADISON

ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLANS ARE APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.




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](http://www.cityofmadison.com/engineering/developers-contractors/standard-specifications)

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

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, IKE OKAFOR, AT IOKAFOR@CITYOFMADISON.COM FOR CAD FILES AND ALIGNMENT DATA PRIOR TO STAKING.

<i>CONVENTIONAL SIGNS</i>	
<i>FIELD VERIFY ALL UTILITY LOCATIONS</i>	
<i>GAS</i>	—— G ——
<i>STORM SEWER</i>	—— ST ——
<i>SANITARY SEWER</i>	—— SAN ——
<i>WATER</i>	—— W ——
<i>BURIED ELECTRIC</i>	—— E ——
<i>OVERHEAD ELECTRIC</i>	—— OH ——
<i>POWER POLE</i>	
<i>ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD</i>	
<i>COMBUSTIBLE FLUIDS</i>	

ALL PAVEMENT IN THE RUSTIC PINE ROAD RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE LONE OAK LANE RIGHTS-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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.

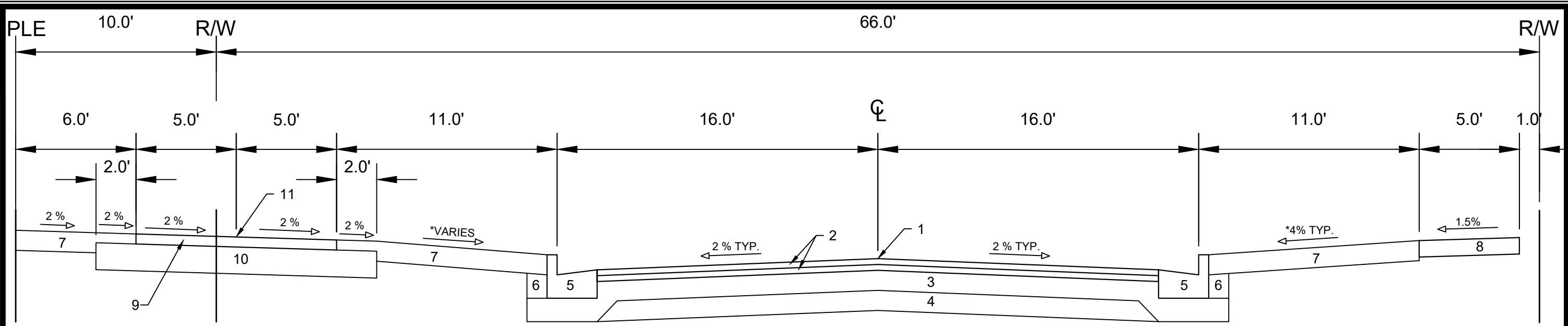
IN LOCATIONS WHERE PAVEMENT RESTORATION IS NOT IDENTIFIED ADJACENT TO CURB AND GUTTER REPLACEMENT, IT IS ASSUMED THAT CURB AND GUTTER WILL BE REPLACED WITHOUT DAMAGING ADJACENT PAVEMENT. IF DAMAGED, THE MILL AND OVERLAY LIMITS SHALL BE EXTENDED BY THE CITY CONSTRUCTION ENGINEER AS NECESSARY TO MEET THE STANDARD PATCHING CRITERIA.

DATE	BY
12/09/2024	10:41 AM
REVISION	
MARK	
Designed By: FBEG	Scale:
15352	D-1

15352  
MADISON, WI  
9554  
CONTRACT NO:  
STANDARD NOTES  
ACACIA RIDGE PHASE 12  
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D-1

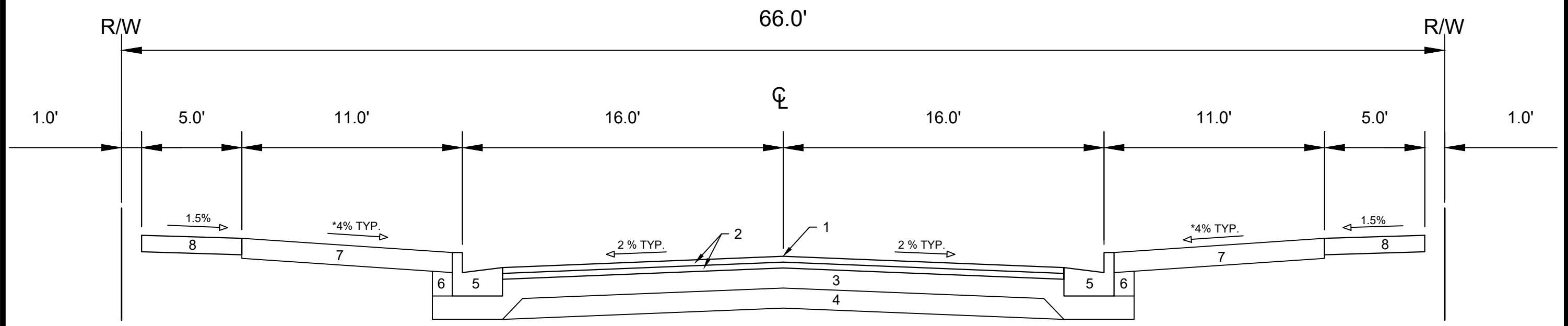


**TYPICAL SECTION**  
**RUSTIC PINE ROAD**  
**STA 18+60 TO STA 21+62**

- 1 POINT REFERRED TO ON STREET PROFILE
- 2 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S\*\*
- 3 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 4 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 5 CONCRETE CURB AND GUTTER TYPE 'A'.
- 6 FILL
- 7 6" TOPSOIL, SEED AND MATTING
- 8 5" CONCRETE SIDEWALK
- 9 3" H.M.A PAVEMENT- TYPE 4 LT 58-28 S
- 10 8" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 11 POINT REFERRED TO ON PATH PROFILE

**SPECIAL NOTES:**

- \* SEE P & X SHEETS FOR CROSS SLOPES
- \*\* SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY



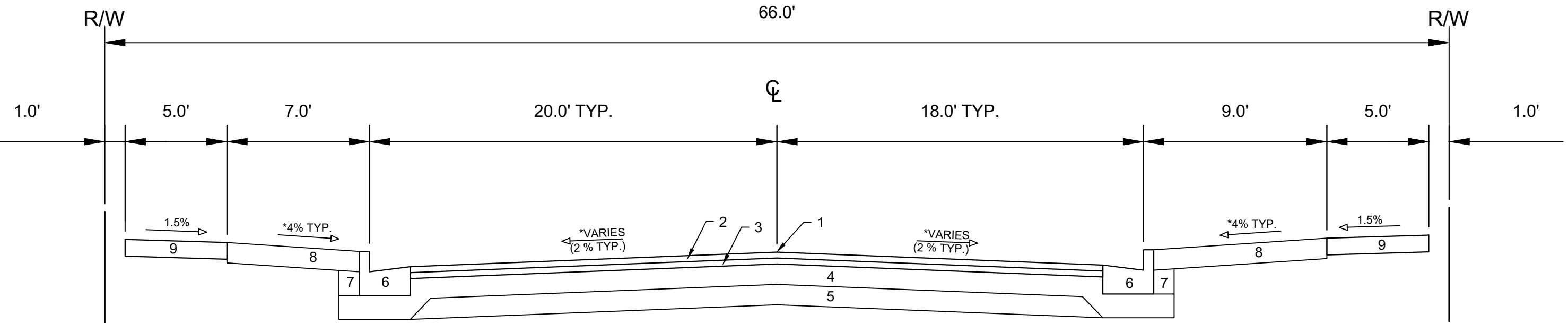
**TYPICAL SECTION**  
**RUSTIC PINE ROAD**  
**STA 16+97 TO STA 18+32**

- 1 POINT REFERRED TO ON STREET PROFILE
- 2 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S\*\*
- 3 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 4 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 5 CONCRETE CURB AND GUTTER TYPE 'A'.
- 6 FILL
- 7 6" TOPSOIL, SEED AND MATTING
- 8 5" CONCRETE SIDEWALK

**SPECIAL NOTES:**

- \* SEE P & X SHEETS FOR CROSS SLOPES
- \*\* SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

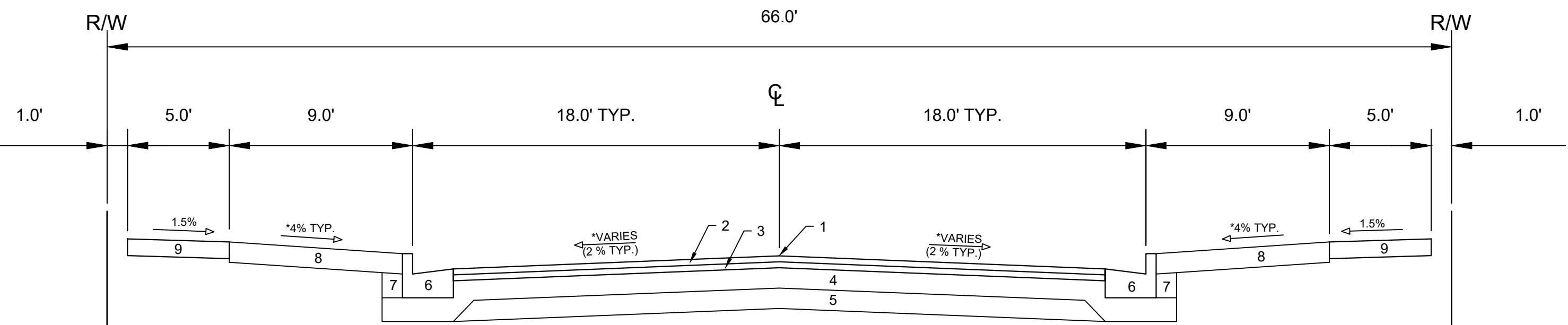
15352	MADISON, WI	9554	D-2
TYPICAL SECTIONS		CONTRACT NO:	
ACACIA RIDGE PHASE 12		15352	
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15352		D-2	



**TYPICAL SECTION  
LONE OAK LANE  
NORTH OF RUSTIC PINE ROAD**

- 1 POINT REFERRED TO ON PROFILE
- 2 2.00" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S\*\*
- 3 2.50" H.M.A. PAVEMENT- TYPE 3 LT 58-28 S
- 4 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 5 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 6 CONCRETE CURB AND GUTTER TYPE 'A'.
- 7 FILL
- 8 6" TOPSOIL, SEED AND MATTING
- 9 5" CONCRETE SIDEWALK

**SPECIAL NOTES:**  
 \* SEE P & X SHEETS FOR CROSS SLOPES  
 \*\* SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

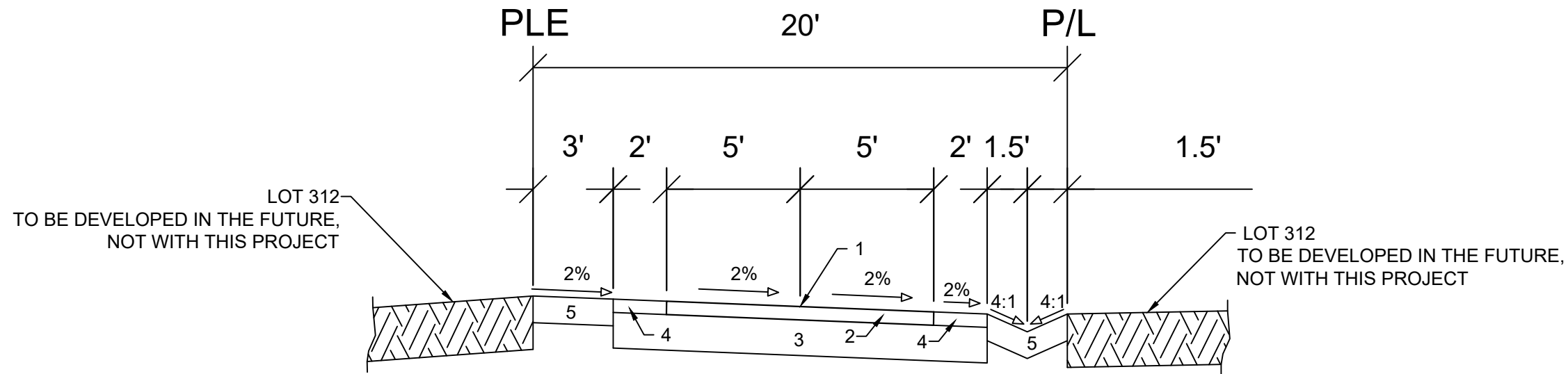


**TYPICAL SECTION  
LONE OAK LANE  
SOUTH OF RUSTIC PINE ROAD**

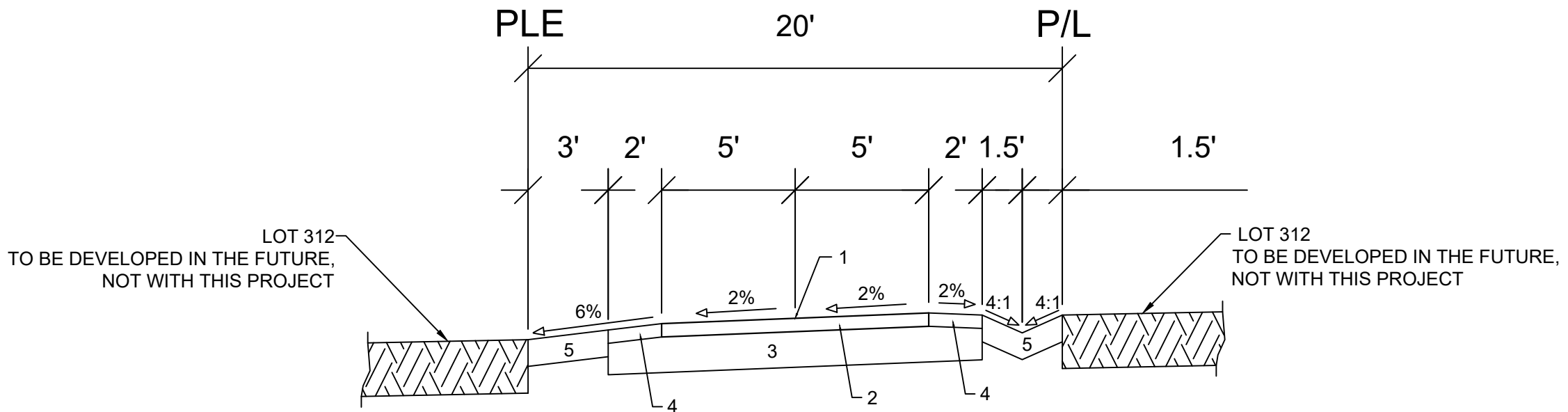
- 1 POINT REFERRED TO ON PROFILE
- 2 2.00" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S\*\*
- 3 2.50" H.M.A. PAVEMENT- TYPE 3 LT 58-28 S
- 4 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 5 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 6 CONCRETE CURB AND GUTTER TYPE 'A'.
- 7 FILL
- 8 6" TOPSOIL, SEED AND MATTING
- 9 5" CONCRETE SIDEWALK

**SPECIAL NOTES:**  
 \* SEE P & X SHEETS FOR CROSS SLOPES  
 \*\* SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

15352	MADISON, WI	9554	CONTRACT NO:	D-3
<b>TYPICAL SECTIONS</b> <b>ACACIA RIDGE PHASE 12</b> <small>M:\DESIGN\Projects\15352\CAD\Streets\15352EN-Details.dwg</small>				
<b>15352</b> <b>D-3</b>				



TYPICAL SECTION  
 SHARED USE PATH  
 FROM STA 66+00 TO STA 67+16



TYPICAL SECTION  
 SHARED USE PATH  
 FROM STA 65+53 TO STA 65+75

- 1 POINT REFERRED TO ON PROFILE
- 2 3" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S
- 3 8" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 4 3" TOPSOIL, SEED, AND MATTING
- 5 6" TOPSOIL, SEED AND MATTING

LOT 312  
 TO BE DEVELOPED IN THE FUTURE,  
 NOT WITH THIS PROJECT

LOT 312  
 TO BE DEVELOPED IN THE FUTURE,  
 NOT WITH THIS PROJECT

LOT 312  
 TO BE DEVELOPED IN THE FUTURE,  
 NOT WITH THIS PROJECT

LOT 312  
 TO BE DEVELOPED IN THE FUTURE,  
 NOT WITH THIS PROJECT

MARK	REVISION	DATE	BY
Designed By: FBEG			Date: 12/9/2024 10:42 AM
Scale:			D-4

15352  
 MADISON, WI  
 CONTRACT NO: 9554

TYPICAL SECTIONS  
 ACACIA RIDGE PHASE 12  
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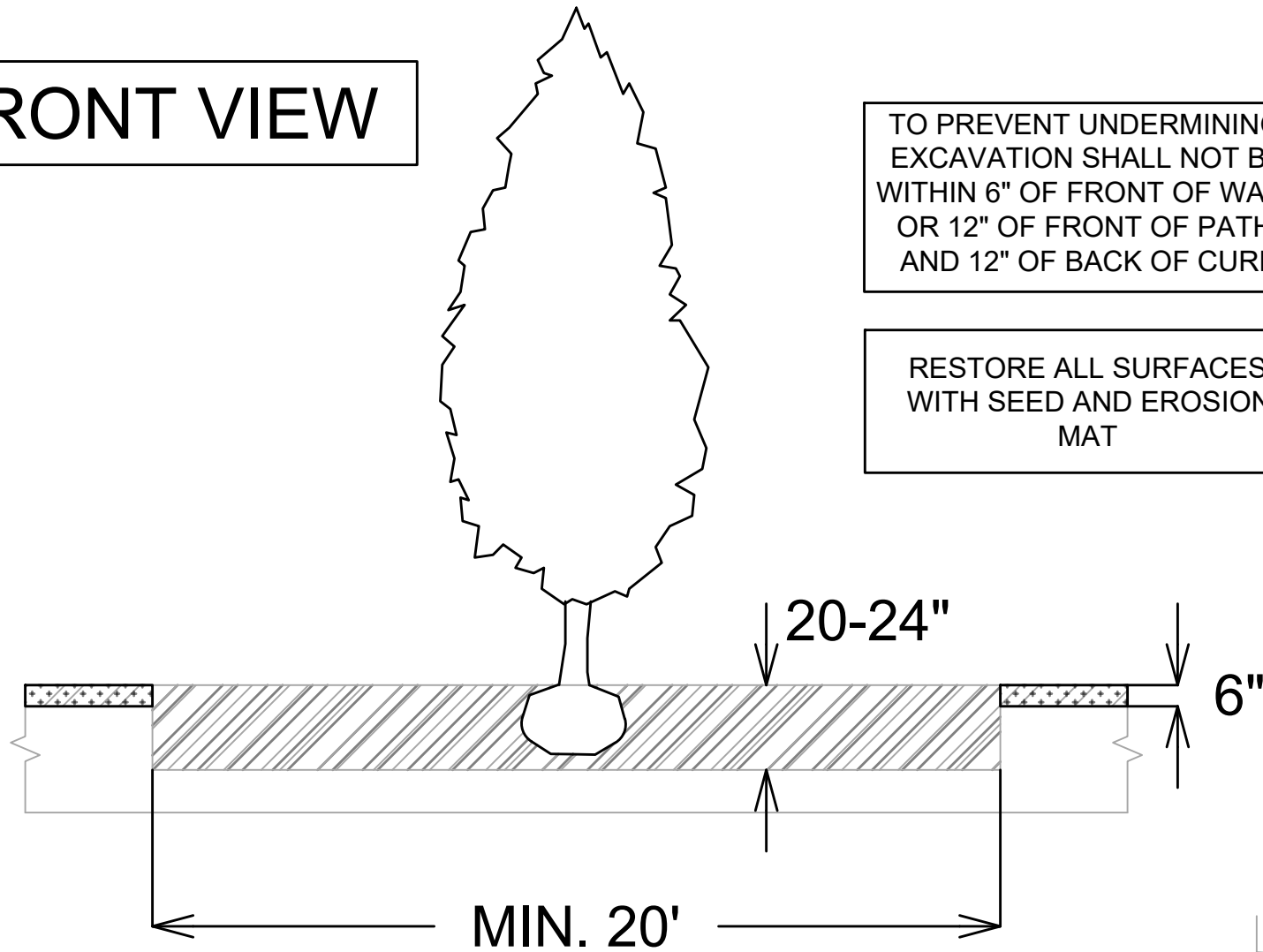


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 D-4

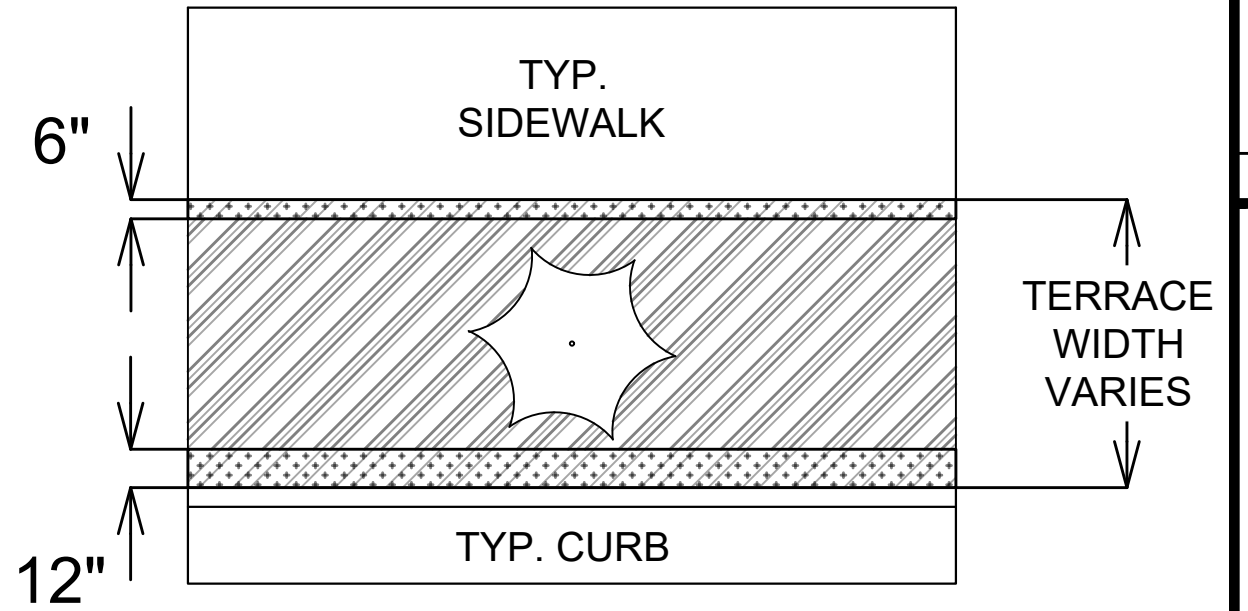
**TERRACE EXCAVATION FOR TREE PLANTING:**

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

**FRONT VIEW**

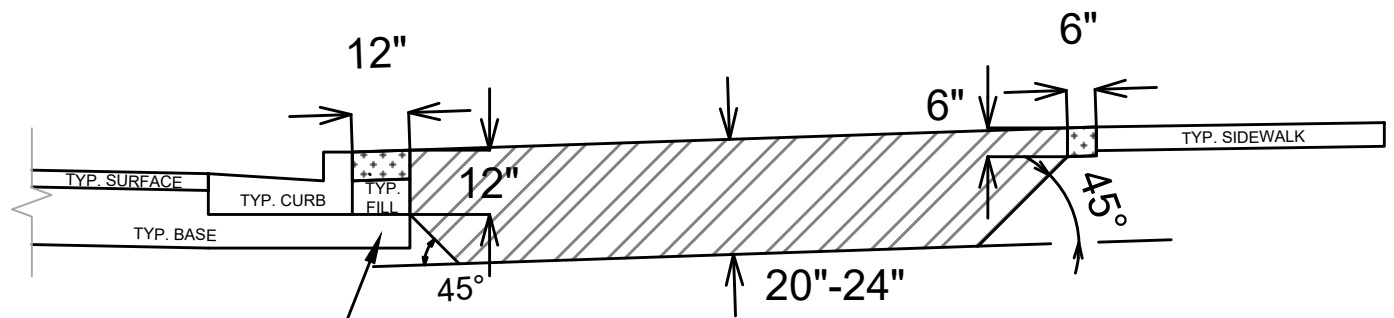


**TOP VIEW**



**LEGEND**

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

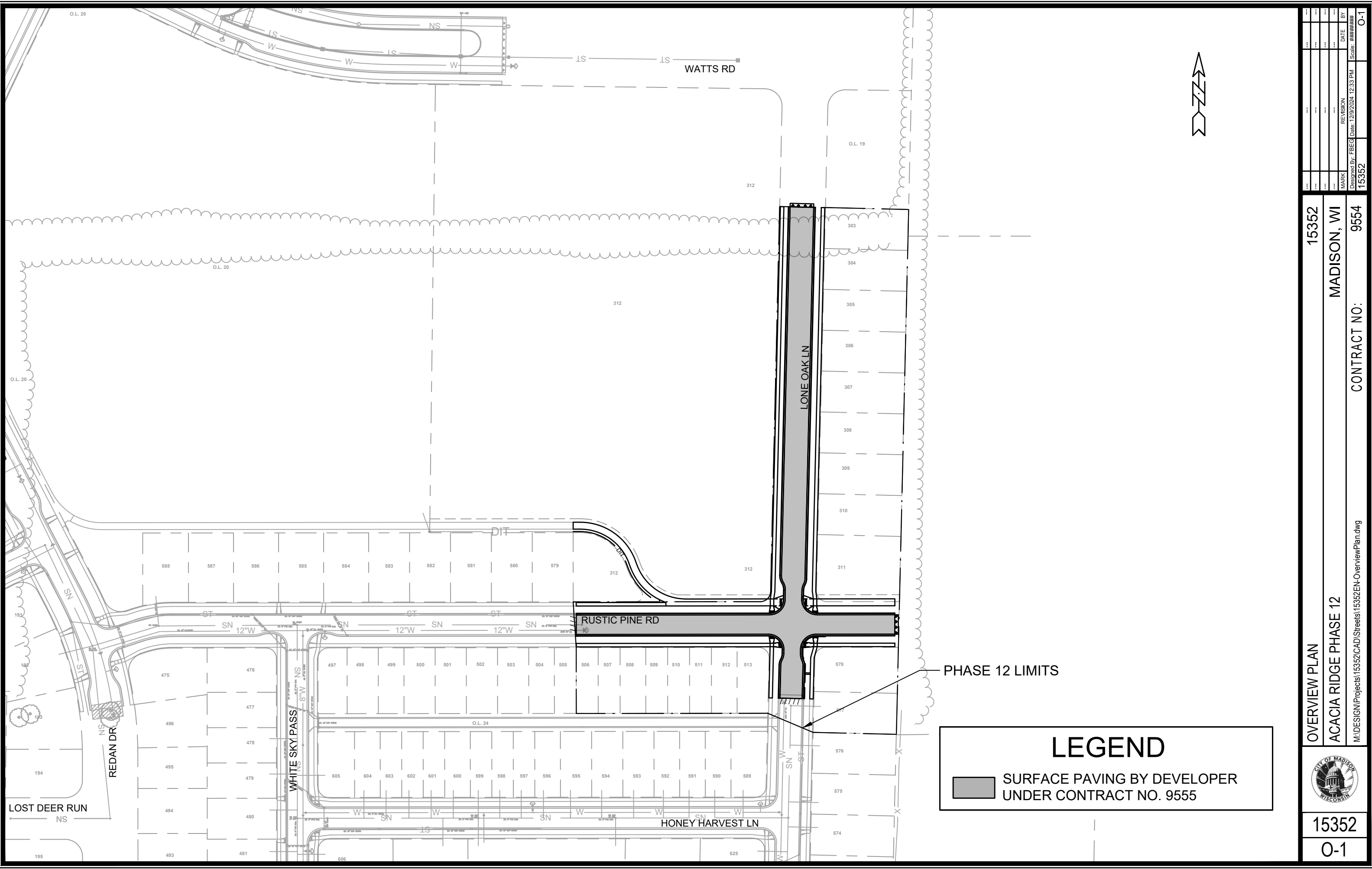


**SECTION VIEW**

**SPECIAL NOTES:**

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

15352	MADISON, WI	9554	15352	D-5
TERRACE EXCAVATION & BACKFILL DETAIL				
ACACIA RIDGE PHASE 12				
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**LEGEND**

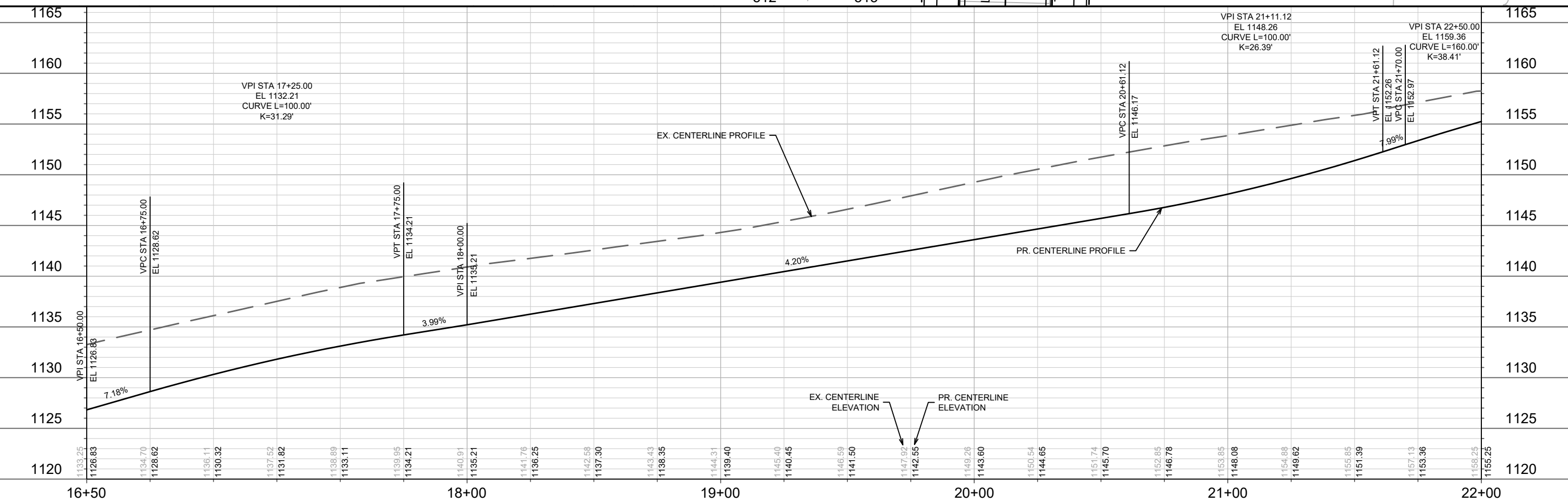
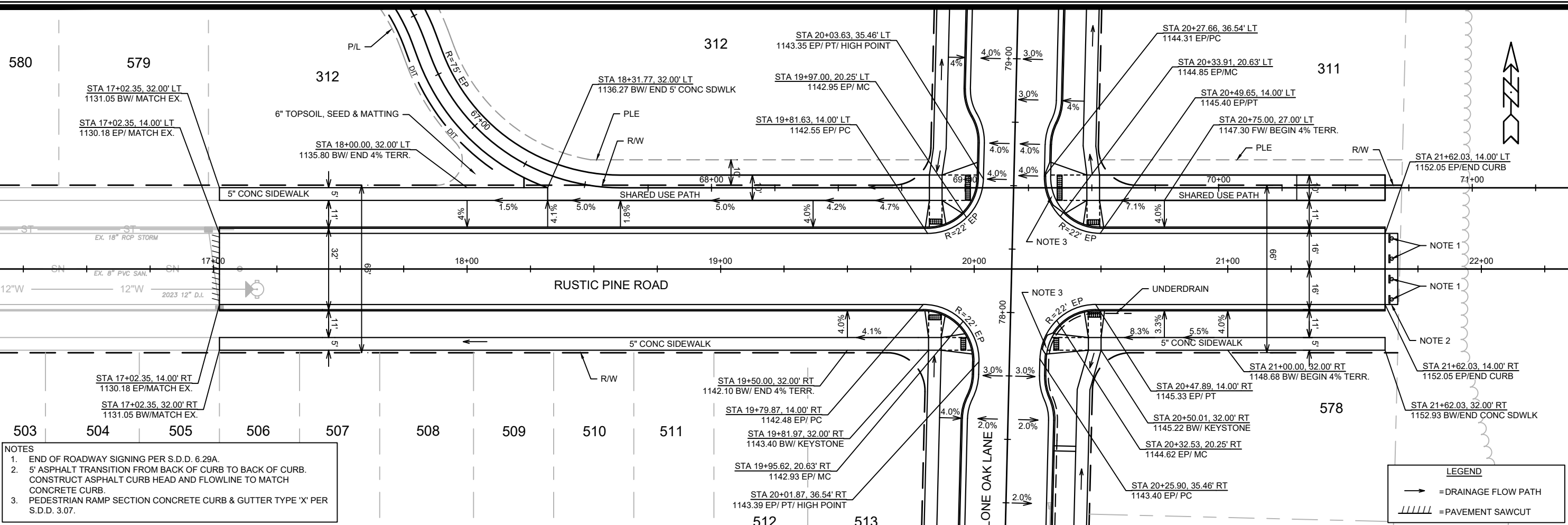
 SURFACE PAVING BY DEVELOPER  
 UNDER CONTRACT NO. 9555

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15352	12/9/2024	12:33 PM	
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15352  
 MADISON, WI  
 CONTRACT NO: 9554

OVERVIEW PLAN  
 ACACIA RIDGE PHASE 12  
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 15352  
 O-1



DATE	BY
REVISION	
MARK	
DESIGNED BY: FBEG	DATE: 12/05/2024 12:51 PM
Scale: 1" = 40'	
<b>15352</b>	
<b>MADISON, WI</b>	
<b>9554</b>	
<b>CONTRACT NO.:</b>	
<b>15352</b>	
<b>P-1</b>	

**STREET PLAN & PROFILE - RUSTIC PINE ROAD**

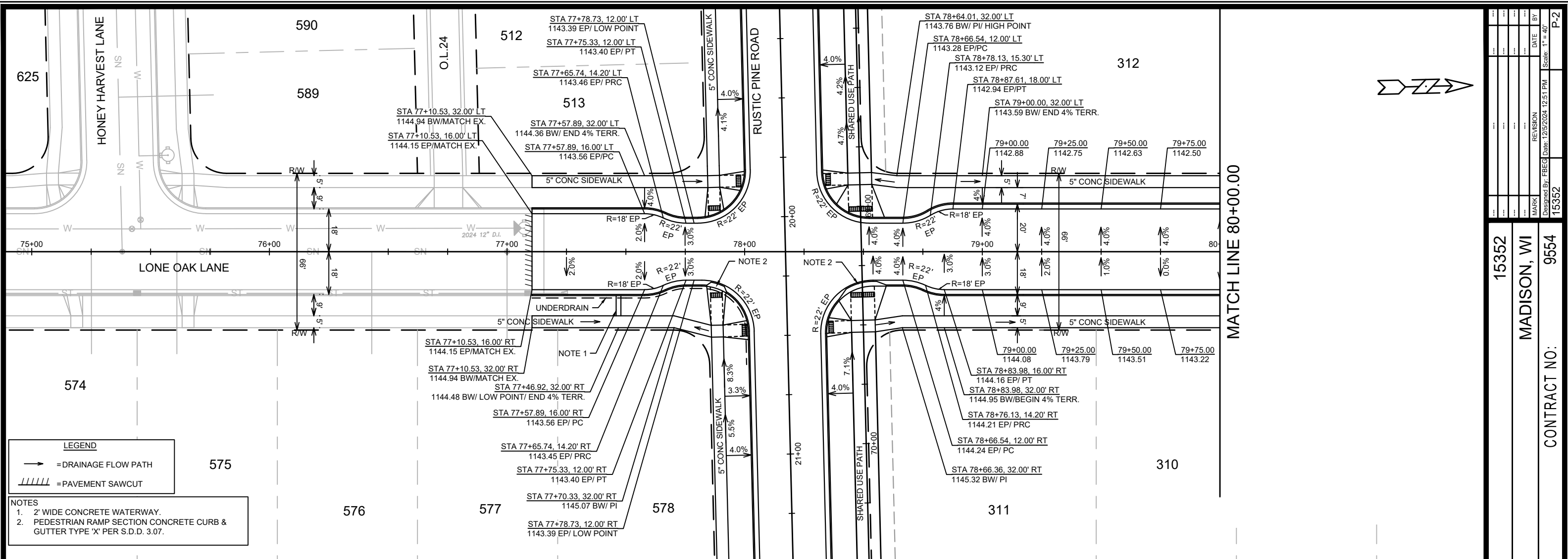
**ACACIA RIDGE PHASE 12**

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**15352**

**P-1**





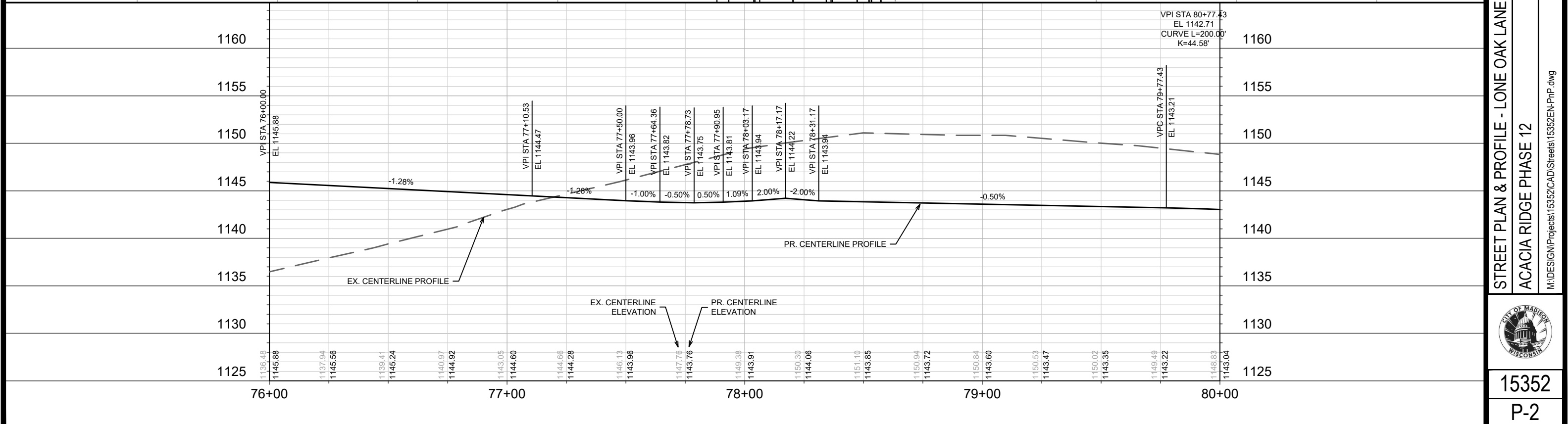
**LEGEND**

→ = DRAINAGE FLOW PATH

//// = PAVEMENT SAWCUT

**NOTES**

- 2' WIDE CONCRETE WATERWAY.
- PEDESTRIAN RAMP SECTION CONCRETE CURB & GUTTER TYPE 'X' PER S.D.D. 3.07.



DATE	BY
REVISION	
MARK	
Designed By: FBEG	Date: 12/05/2024 12:51 PM
Scale: 1" = 40'	
15352	P-2

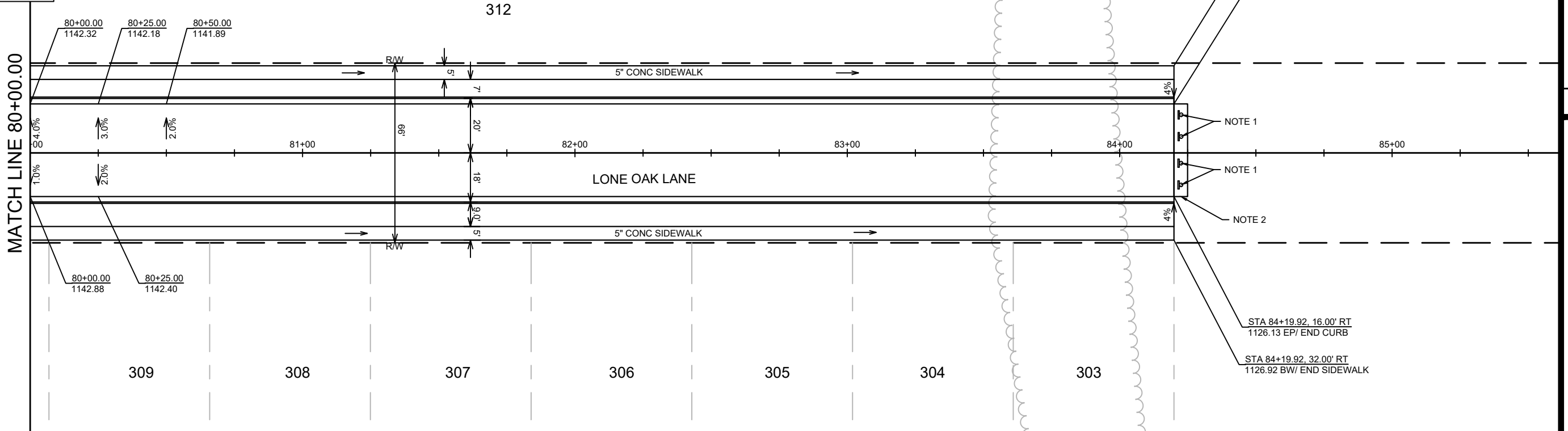
15352  
MADISON, WI  
CONTRACT NO: 9554

STREET PLAN & PROFILE - LONE OAK LANE  
ACACIA RIDGE PHASE 12  
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NOTES  
 1. END OF ROADWAY SIGNING PER S.D.D. 6.29A.  
 2. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.

LEGEND  
 → = DRAINAGE FLOW PATH



DATE	BY
REVISION	
MARK	
Designed By: FBEC	Date: 12/05/2024 12:52 PM
Scale: 1" = 40'	
15352	P-3

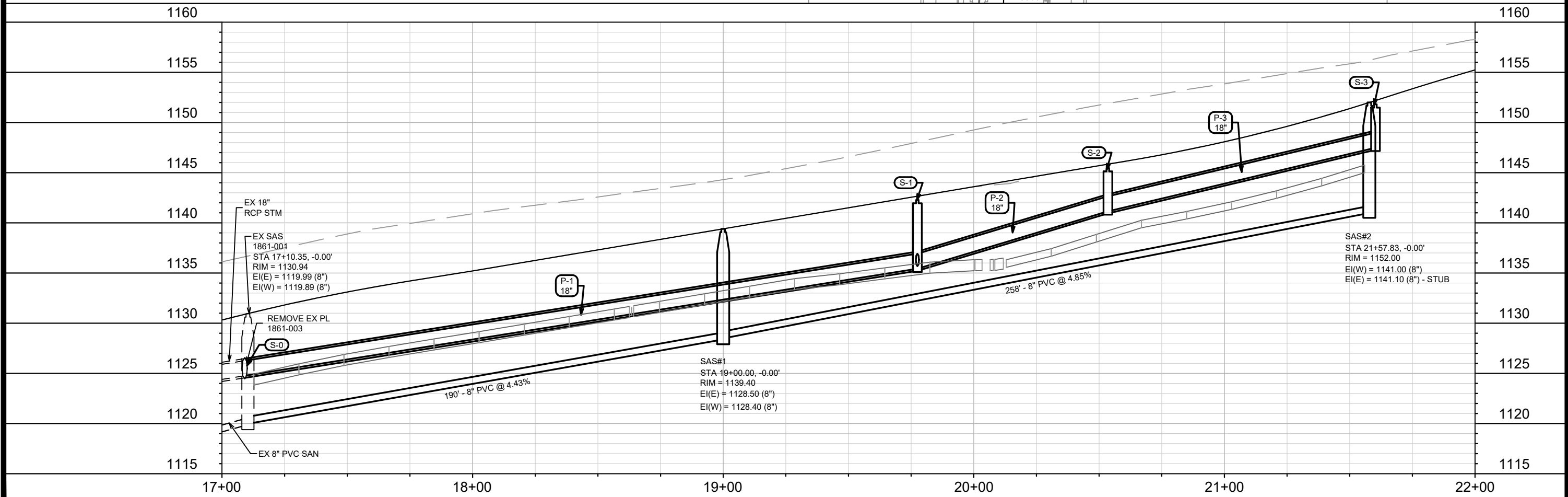
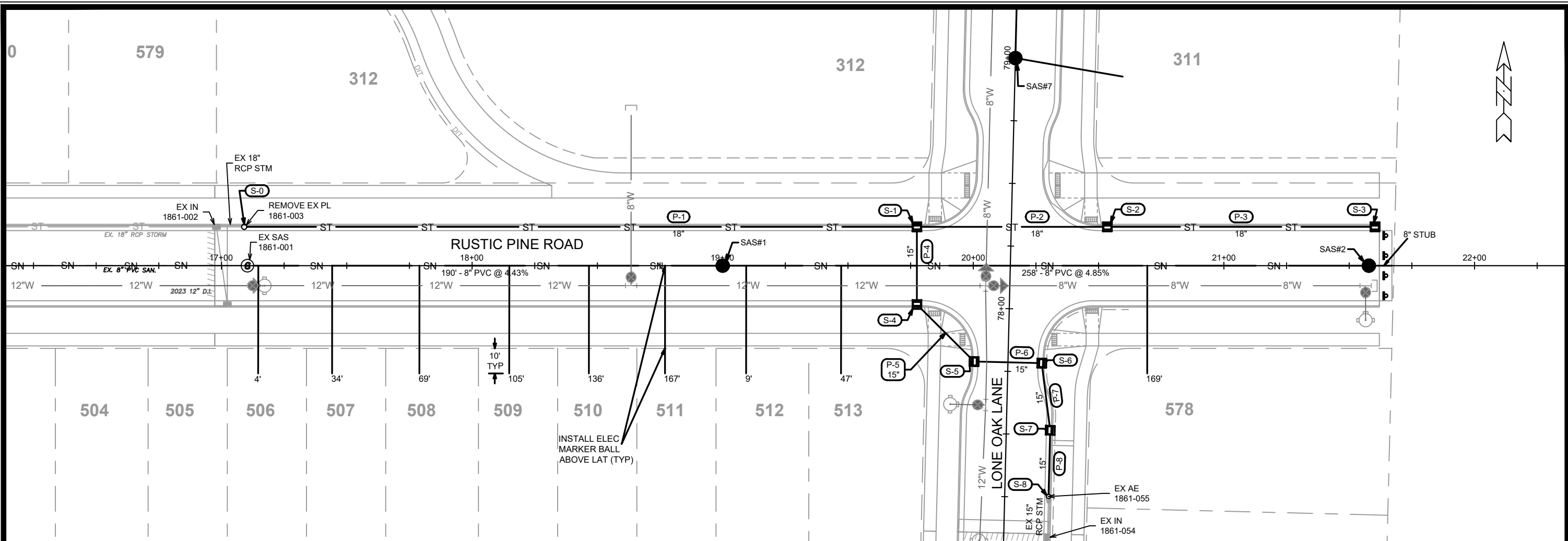
15352  
 MADISON, WI  
 CONTRACT NO: 9554

STREET PLAN & PROFILE - LONE OAK LANE  
 ACACIA RIDGE PHASE 12  
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15352  
 P-3





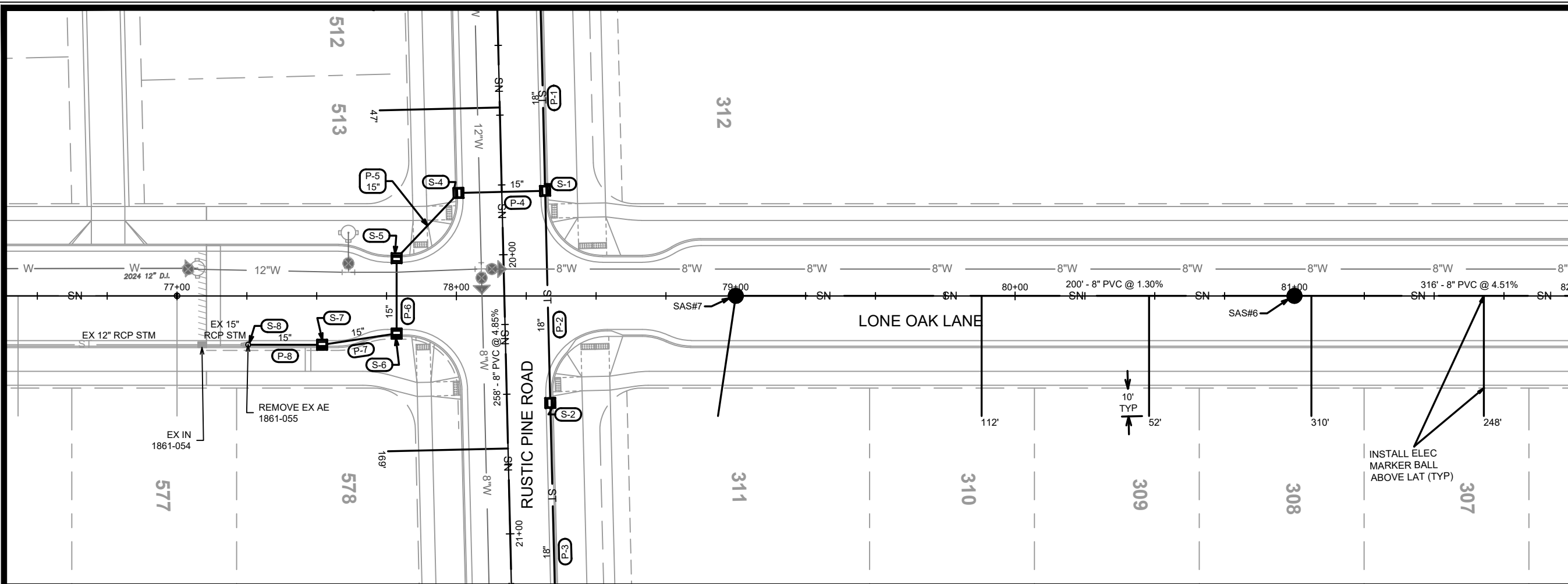
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Scale: 1" = 40'			

15352  
MADISON, WI  
9554  
CONTRACT NO:

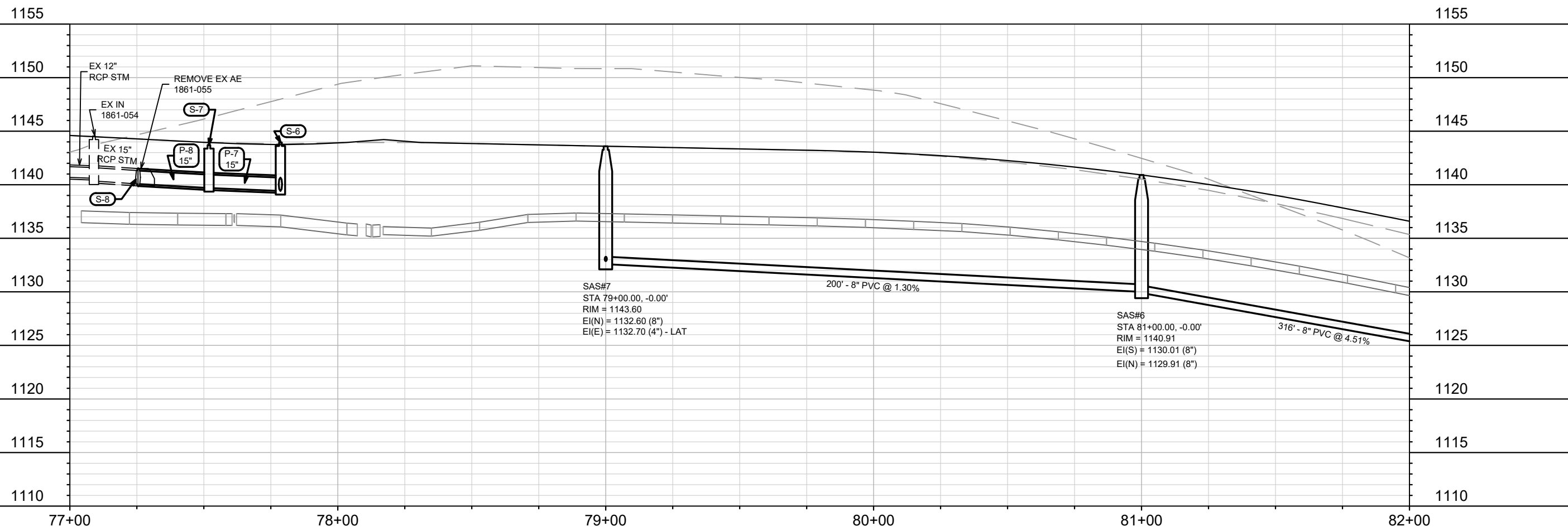
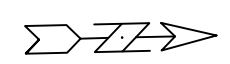
RUSTIC PINE ROAD - UTILITIES PLAN & PROFILE  
ACACIA RIDGE PHASE 12

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15352  
U-1



MATCH LINE 82+00.00



SAS#7  
 STA 79+00.00, -0.00'  
 RIM = 1143.60  
 EI(N) = 1132.60 (8")  
 EI(E) = 1132.70 (4") - LAT

SAS#6  
 STA 81+00.00, -0.00'  
 RIM = 1140.91  
 EI(S) = 1130.01 (8")  
 EI(N) = 1129.91 (8")

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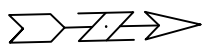
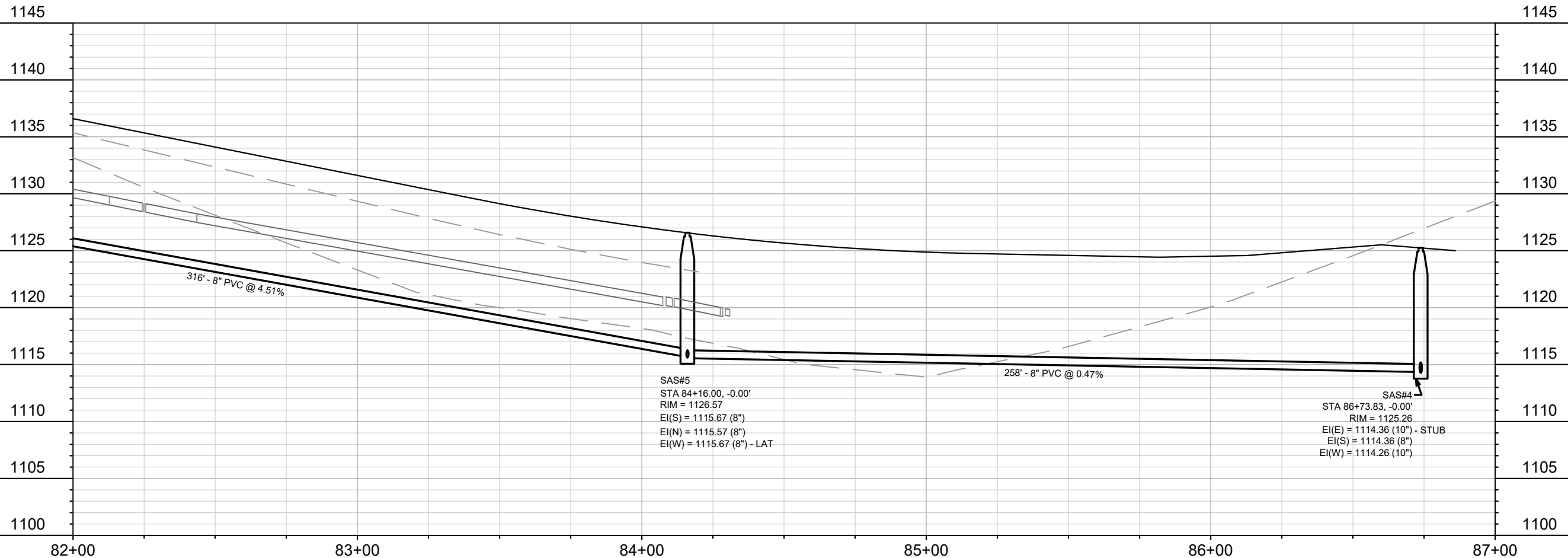
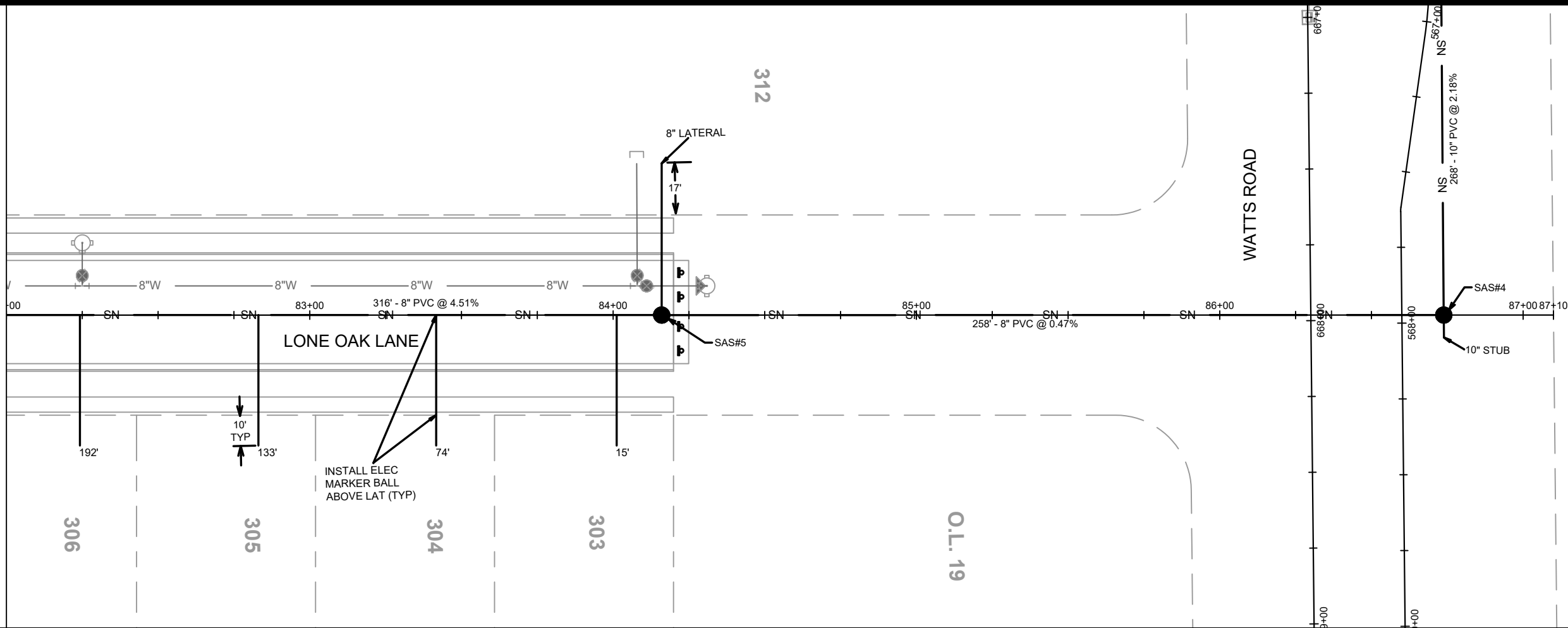
15352  
 MADISON, WI  
 CONTRACT NO: 9554

LONE OAK LANE - UTILITIES PLAN & PROFILE  
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15352  
 U-2

MATCH LINE 82+00.00



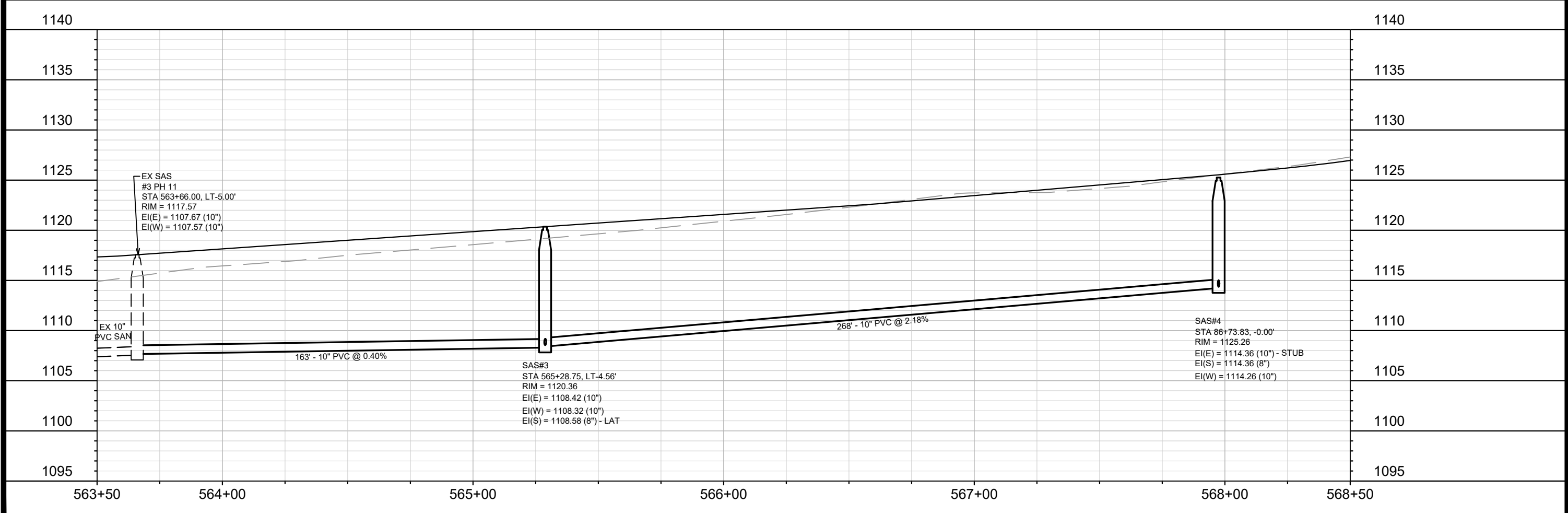
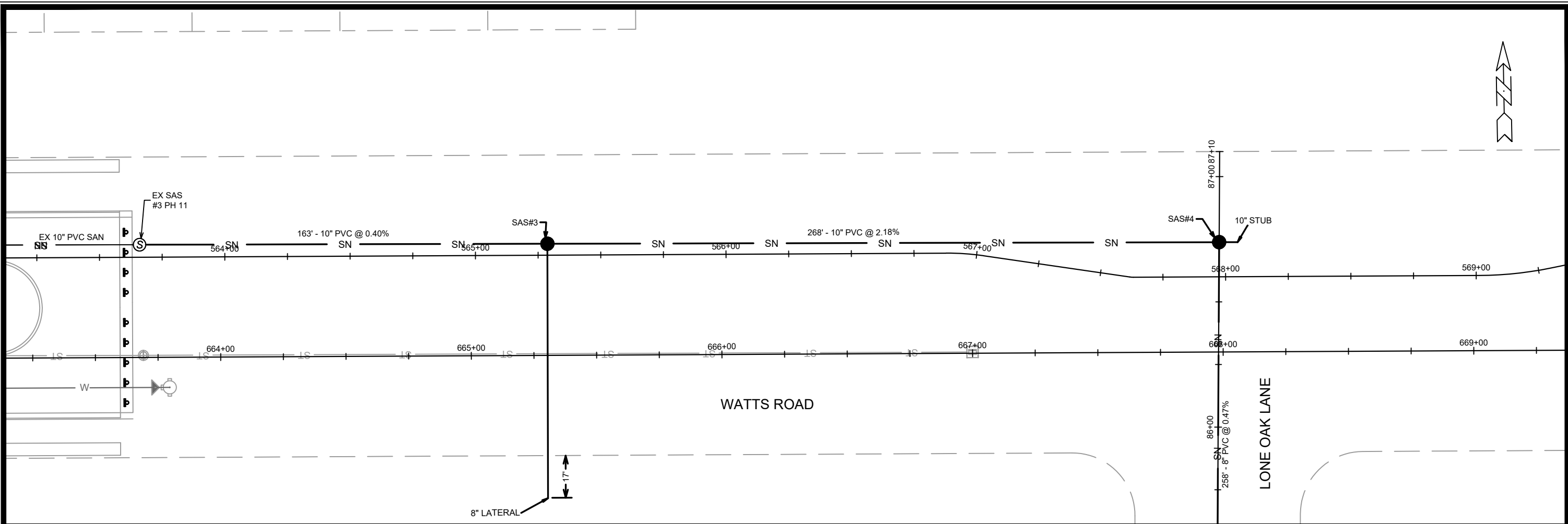
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15352  
MADISON, WI  
CONTRACT NO: 9554

LONE OAK LANE - UTILITIES PLAN & PROFILE  
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U-3



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15352  
MADISON, WI  
9554  
CONTRACT NO:

WATTS ROAD - UTILITIES PLAN & PROFILE  
ACACIA RIDGE PHASE 12  
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15352  
U-4

# SANITARY SEWER SCHEDULE

ACACIA RIDGE PHASE 12

SHEET NO.

PROJECT NO. 15352

U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
<b>RUSTIC PINE ROAD</b>						
SAS#1	19+00.00	CL	1139.40	1128.40	11.00	-
SAS#2	21+57.83	CL	1152.00	1141.00	11.00	-
<b>WATTS ROAD</b>						
SAS#3	565+28.75	LT-4.56	1120.36	1108.32	12.04	-
<b>LONE OAK LANE</b>						
SAS#4	86+73.83	CL	1125.26	1114.26	11.00	-
SAS#5	84+16.00	CL	1126.57	1115.57	11.00	-
SAS#6	81+00.00	CL	1140.91	1129.91	11.00	-
SAS#7	79+00.00	CL	1143.60	1132.60	11.00	-

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
<b>RUSTIC PINE ROAD</b>								
EX SAS 1861-001	SAS#1	1119.99	1128.40	190	4.43%	8"	SDR-35	-
SAS#1	SAS#2	1128.50	1141.00	258	4.85%	8"	SDR-35	-
<b>WATTS ROAD</b>								
EX SAS#3 PH 11	SAS#3	1107.67	1108.32	163	0.40%	10"	SDR-35	-
SAS#3	SAS#4	1108.42	1114.26	268	2.18%	10"	SDR-35	-
<b>LONE OAK LANE</b>								
SAS#4	SAS#5	1114.36	1115.57	258	0.47%	8"	SDR-35	-
SAS#5	SAS#6	1115.67	1129.91	316	4.51%	8"	SDR-35	-
SAS#6	SAS#7	1130.01	1132.60	200	1.30%	8"	SDR-35	-

## NOTES:

- ALL STRUCTURES SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.



# STORM SEWER SCHEDULE

ACACIA RIDGE PHASE 12	SHEET NO.
PROJECT NO. 15352	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>RUSTIC PINE ROAD</b>							
S-0	17+09.06	LT-15.50	CONCRETE COLLAR	-	1124.76	-	REMOVE EX PL 1861-003
S-1	19+77.50	LT-15.50	3X3 SAS	1142.76	1135.43	7.33	W/ R-3067-7004-V
S-2	20+53.50	LT-15.50	3X3 SAS	1145.95	1141.15	4.80	W/ R-3067-7004-V
S-3	21+60.28	LT-15.50	3X3 SAS	1152.29	1147.49	4.80	W/ R-3067-7004-V
S-4	19+77.50	RT-15.50	3X3 SAS	1142.76	1138.36	4.40	W/ R-3067-7004-V

## LONE OAK LANE

S-5	77+78.73	LT-13.50	3X3 SAS	1143.77	1139.12	4.65	LP; W/ R-3067-7004-VB
S-6	77+78.73	RT-13.50	3X3 SAS	1143.77	1139.42	4.35	LP; W/ R-3067-7004-VB
S-7	77+51.92	RT-17.50	3X3 SAS	1144.00	1139.69	4.31	W/ R-3067-7004-V
S-8	77+25.46	RT-17.50	CONCRETE COLLAR	-	1140.07	-	REMOVE EX AE 1861-055

## PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>RUSTIC PINE ROAD</b>										
P-1	S-0	S-1	1124.76	1135.43	269	267	4.00%	18"	TYPE I	-
P-2	S-1	S-2	1135.43	1141.15	76	73	7.84%	18"	TYPE I	-
P-3	S-2	S-3	1141.15	1147.49	107	104	6.10%	18"	TYPE II	-
P-4	S-1	S-4	1135.68	1138.36	31	28	9.57%	15"	TYPE I	-

## LONE OAK LANE

P-5	S-4	S-5	1138.36	1139.12	32	28	2.71%	15"	TYPE II	-
P-6	S-5	S-6	1139.12	1139.42	27	24	1.25%	15"	TYPE I	-
P-7	S-6	S-7	1139.42	1139.69	27	24	1.12%	15"	TYPE II	-
P-8	S-7	S-8	1139.69	1140.07	26	25	1.52%	15"	TYPE I	-

## SPECIFIC NOTES:

## 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'

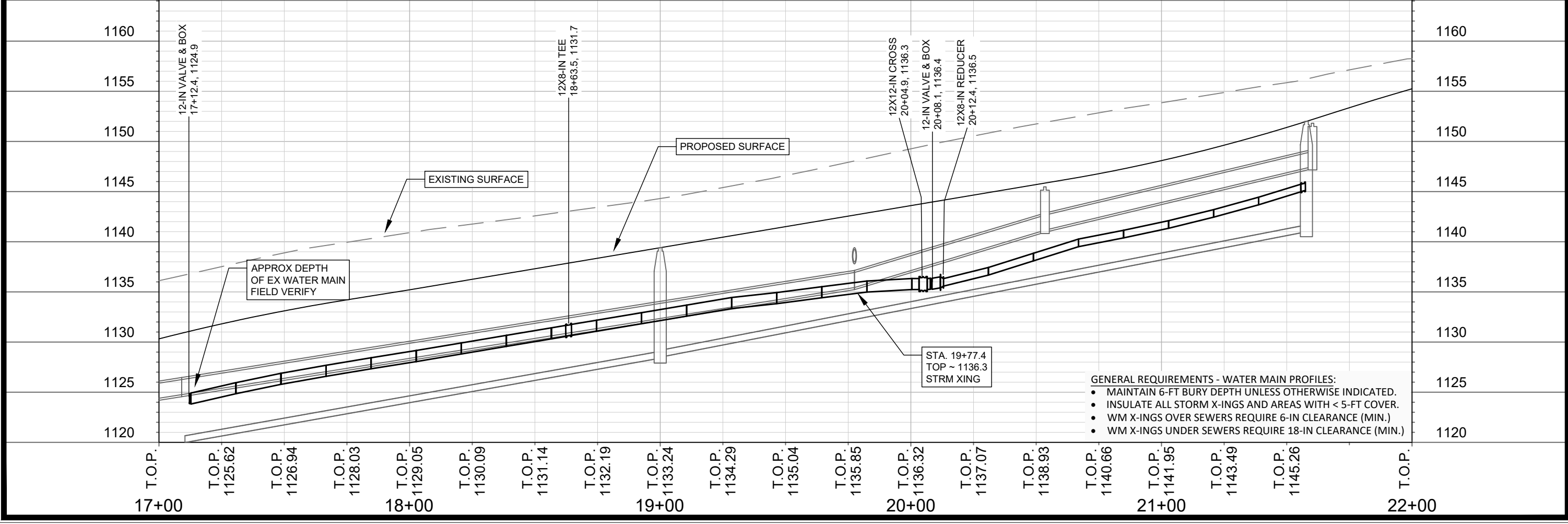
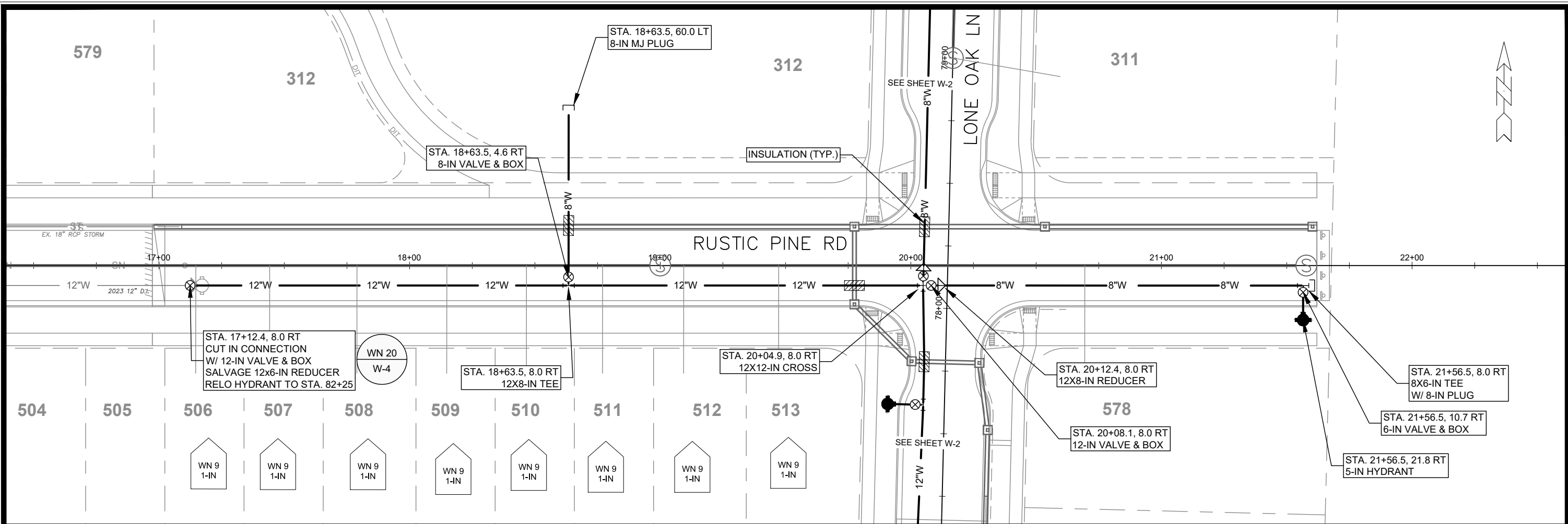
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- 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 ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR STORM SEWER PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

-FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM



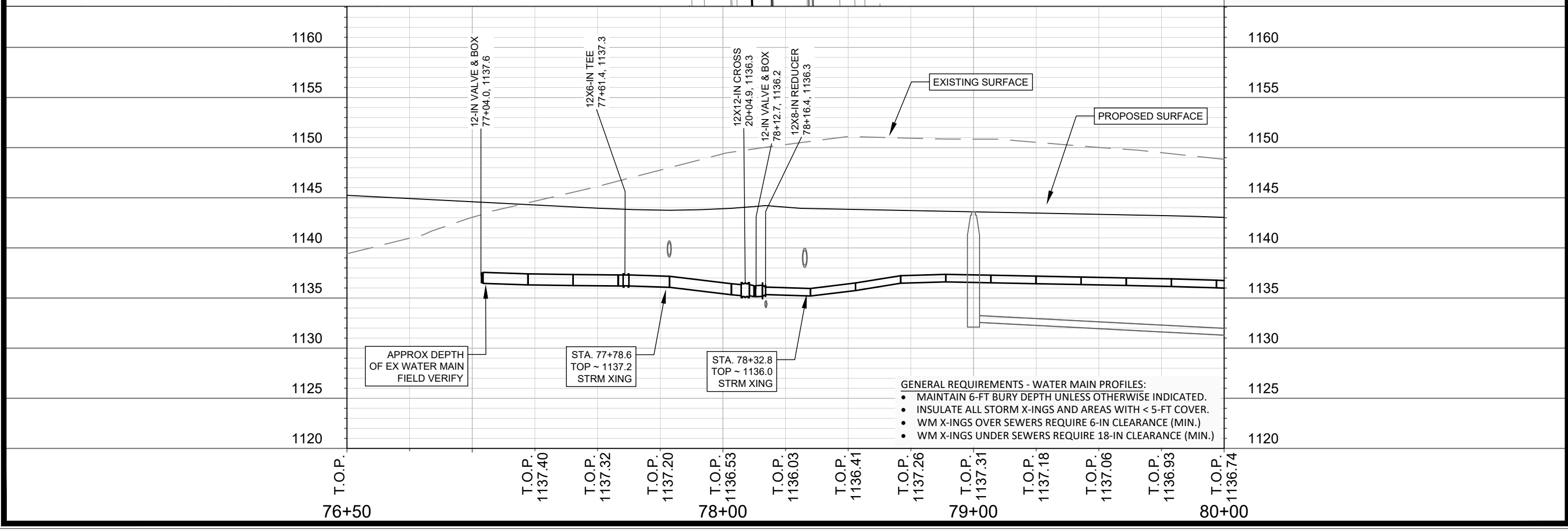
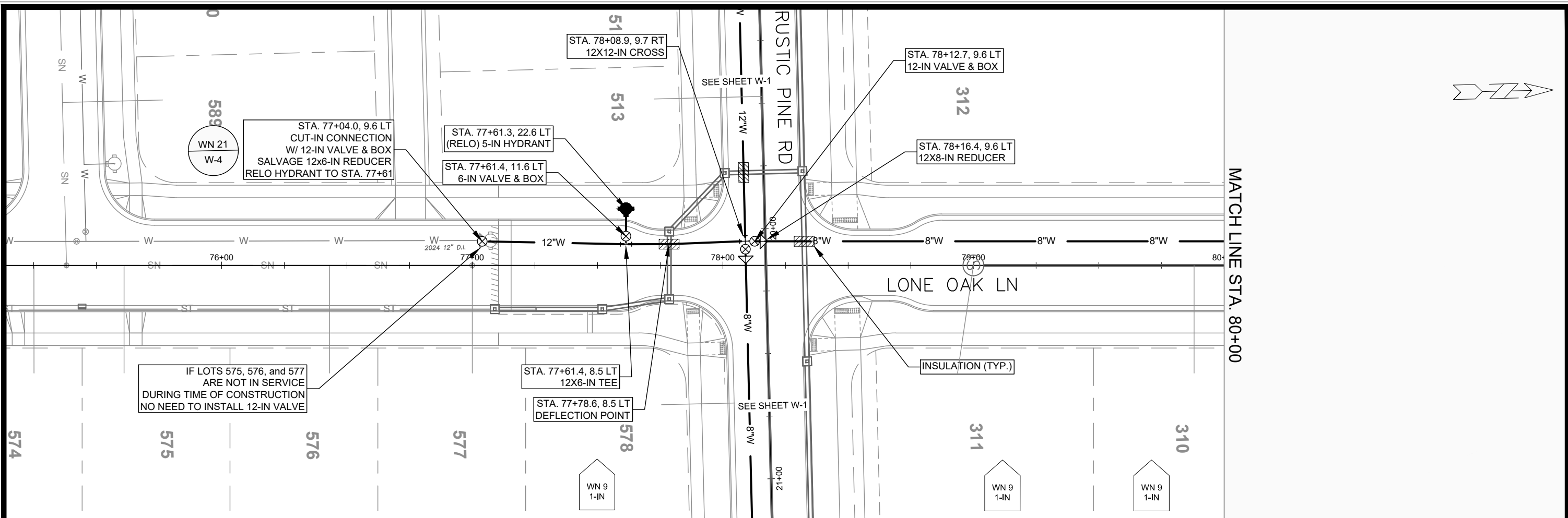
- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
  - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
  - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
  - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

MARK	REVISION	DATE	BY

15352  
MADISON, WI  
CONTRACT NO: 9554

RUSTIC PINE - WATER PLAN & PROFILE  
ACACIA RIDGE PHASE 12  
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15352  
W-1

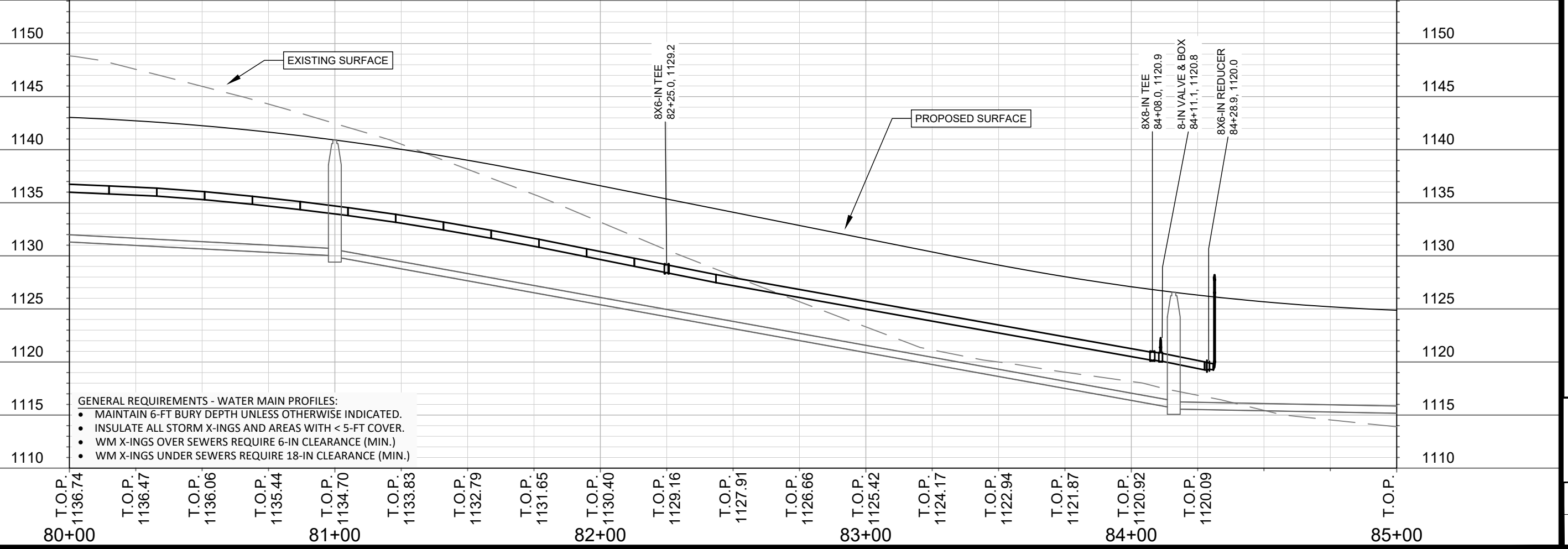
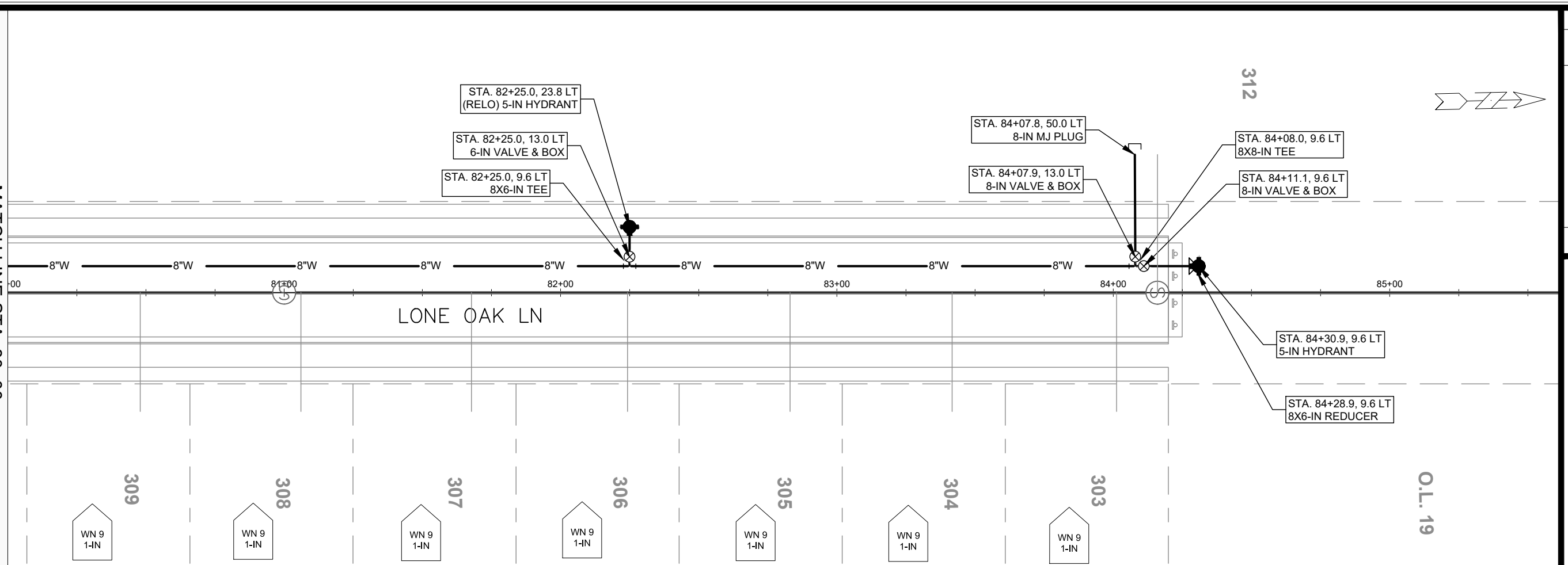


- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
  - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
  - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
  - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

Project No.	15352
City	MADISON, WI
Contract No.	9554
Scale	#####
Date	11/06/2024 7:36 AM
Revision	W-2
Mark	15352
Designed By	RJN
Checked By	
Drawn By	
Scale	#####
Date	11/06/2024 7:36 AM
Revision	W-2
Mark	15352
Designed By	RJN
Checked By	
Drawn By	

LONE OAK LN - WATER PLAN AND PROFILE  
 ACACIA RIDGE PHASE 12  
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 15352  
 W-2

MATCH LINE STA. 80+00



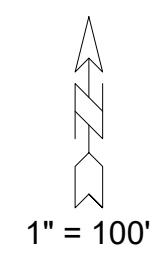
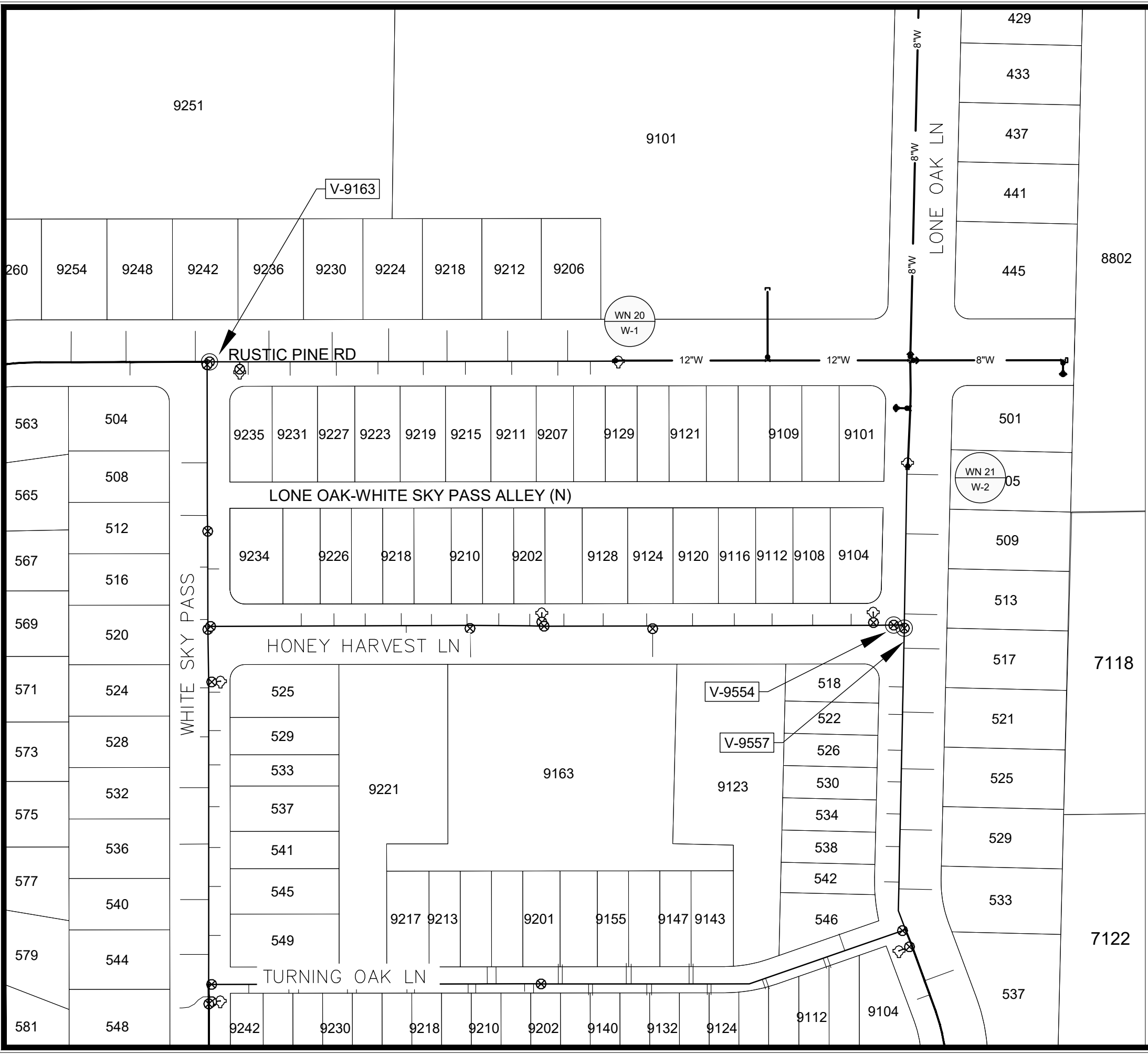
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15352  
MADISON, WI  
9554  
CONTRACT NO:

LONE OAK LN - WATER PLAN AND PROFILE  
ACACIA RIDGE PHASE 12  
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15352  
W-3



WN 20: CUT-IN CONNECTION.

ISOLATION VALVES:

- V-9163 (RUSTIC PINE RD & WHITE SKY PASS)

PROVIDE NOTICE:

- 9236, 9235, 9231, 9230, 9227, 9224, 9223, 9219, 9218, 9215, 9212, 9211, 9207, 9206, 9203 RUSTIC PINE RD

WN 21: CUT-IN CONNECTION.

ISOLATION VALVES:

- V-9554 (HONEY HARVEST LN & LONE OAK LN)
- V-9557 (HONEY HARVEST LN & LONE OAK LN)

PROVIDE NOTICE:

- 513, 509, 505 LONE OAK LN

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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Designed By: RJN			Date: 11/06/2024 7:36 AM
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15352  
MADISON, WI  
9554

CONTRACT NO:

WATER IMPACT PLAN  
ACACIA RIDGE PHASE 12  
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15352  
W-4

**CONSTRUCTION NOTES:**

- |   |  |
|---|--|
| <p>1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM CROSSINGS AND OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.</p> <p>2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.</p> <p>3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.</p> | <p>WN-1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|---|--|

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

DESCRIPTION	QUANTITY	UNIT
FURNISH AND INSTALL 6 INCH PIPE & FITTINGS	60	LNFT
FURNISH AND INSTALL 8 INCH PIPE & FITTINGS	900	LNFT
FURNISH AND INSTALL 12 INCH PIPE & FITTINGS	440	LNFT
FURNISH AND INSTALL 6-INCH WATER VALVE	3	EACH
FURNISH AND INSTALL 8-INCH WATER VALVE	3	EACH
FURNISH AND INSTALL 12-INCH WATER VALVE	4	EACH
FURNISH, INSTALL AND SALVAGE HYDRANT	2	EACH
FURNISH AND INSTALL 1 INCH SERVICE LATERALS	18	EACH
CUT-IN OR CONNECT TO EXISTING WATER SYSTEM	2	EACH
STYROFOAM INSULATION BOARDS	5	EACH
8-IN MJ PLUG	2	EACH
12x12-IN CROSS	1	EACH
8X6-IN REDUCER	2	EACH
12X8-IN REDUCER	2	EACH
8X6-IN TEE	2	EACH
8X8-IN TEE	1	EACH
12X6-IN TEE	1	EACH
12X8-IN TEE	1	EACH

**\*ESTIMATE OF MATERIALS SALVAGED & REUSED:**

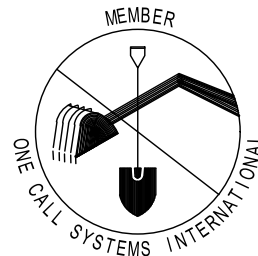
5-IN HYDRANT	2	RELOCATE
12X6-IN REDUCER	2	SALVAGE

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

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

CALL DIGGERS HOTLINE TOLL FREE  
811 OR 1-800-242-8511  
FAX-A-LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



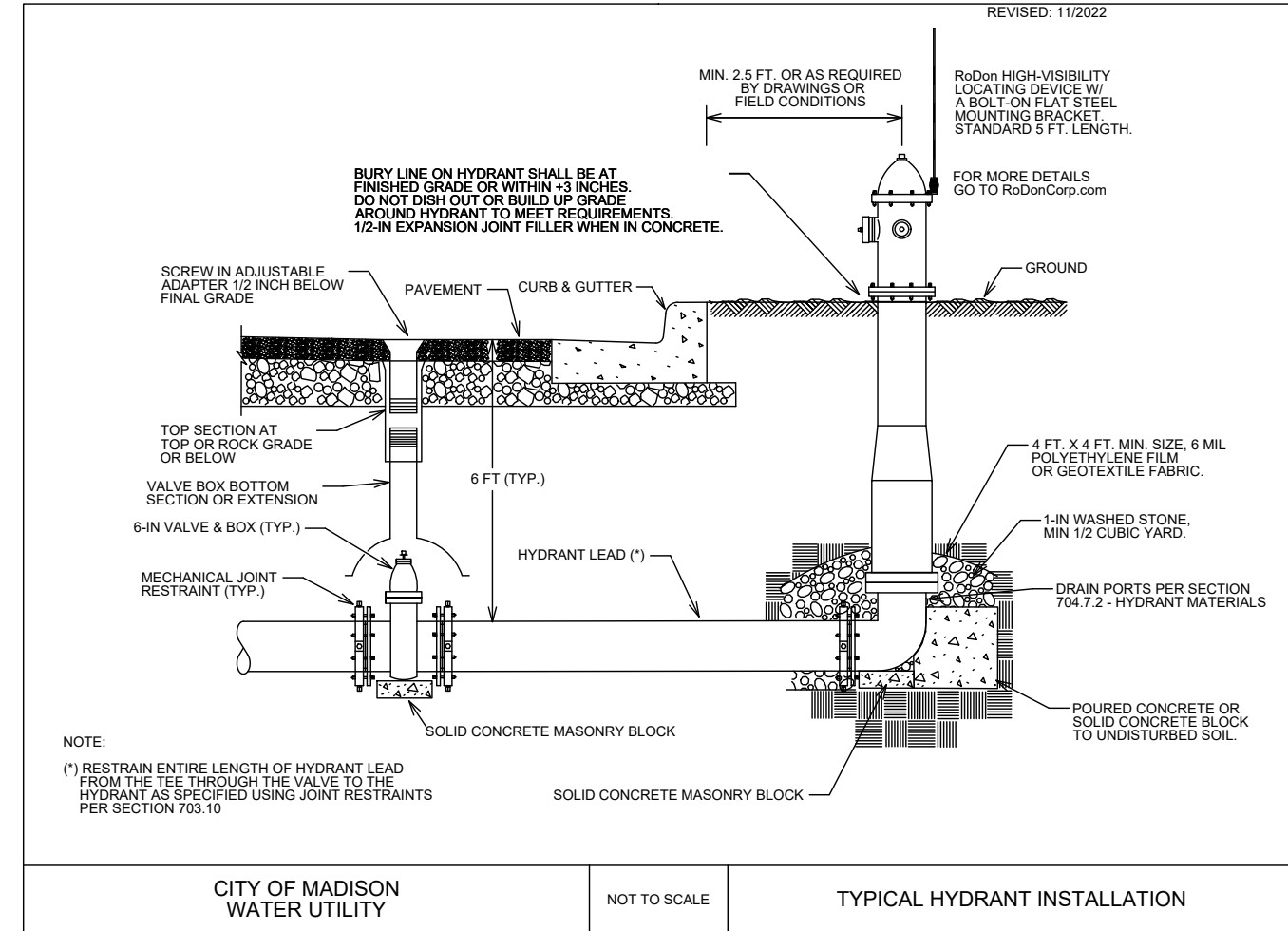
**DISCLAIMER NOTE:** UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

**WATER UTILITY ULO SCHEDULE**

**PART VII - WATER MAINS AND SERVICE LATERALS**

**DETAIL DRAWING NO. 7.04**

REVISED: 11/2022



CITY OF MADISON  
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

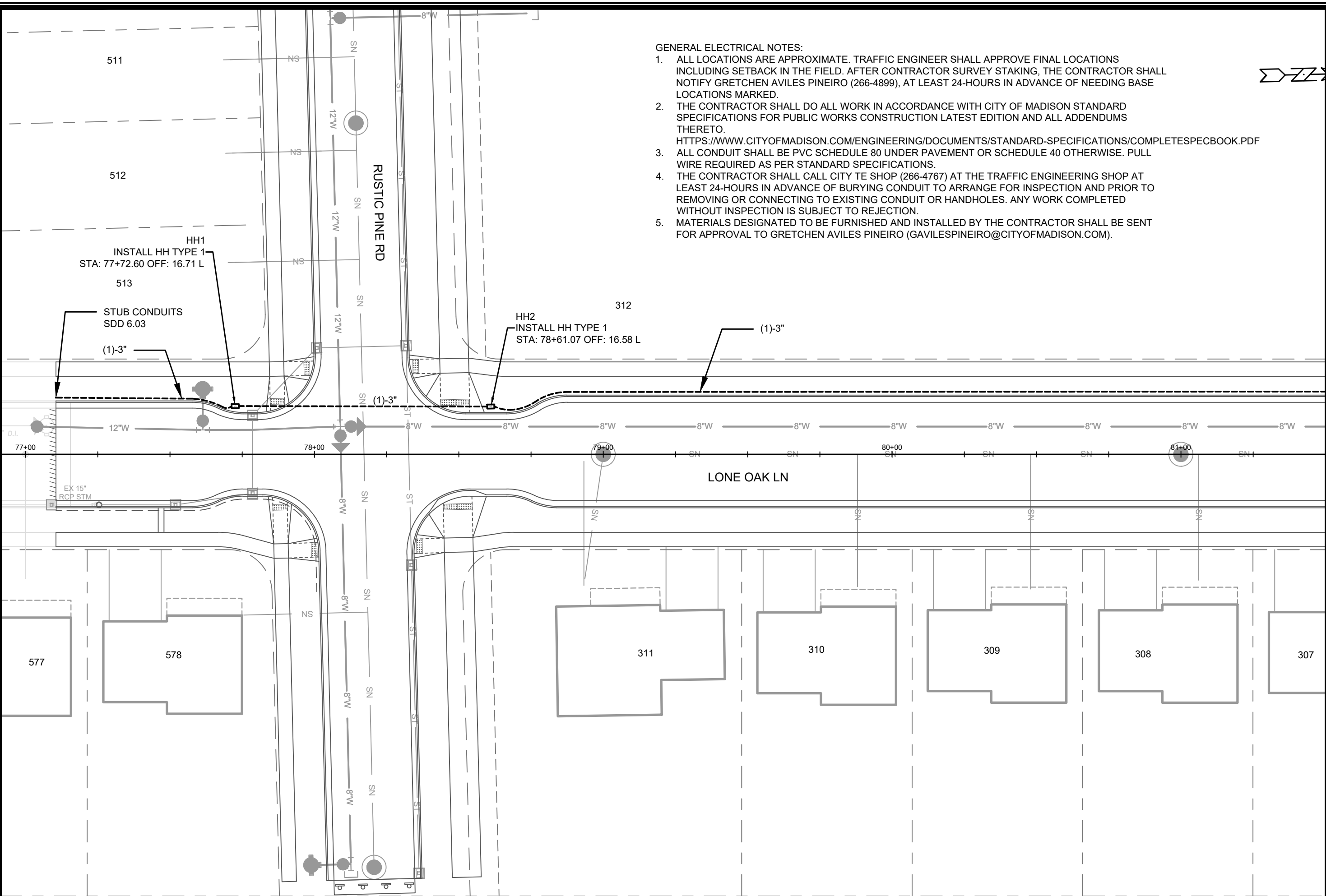
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MADISON, WI  
9554  
CONTRACT NO:

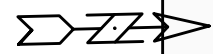
WATER ESTIMATE OF MATERIALS  
ACACIA RIDGE PHASE 12  
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15352  
W-5



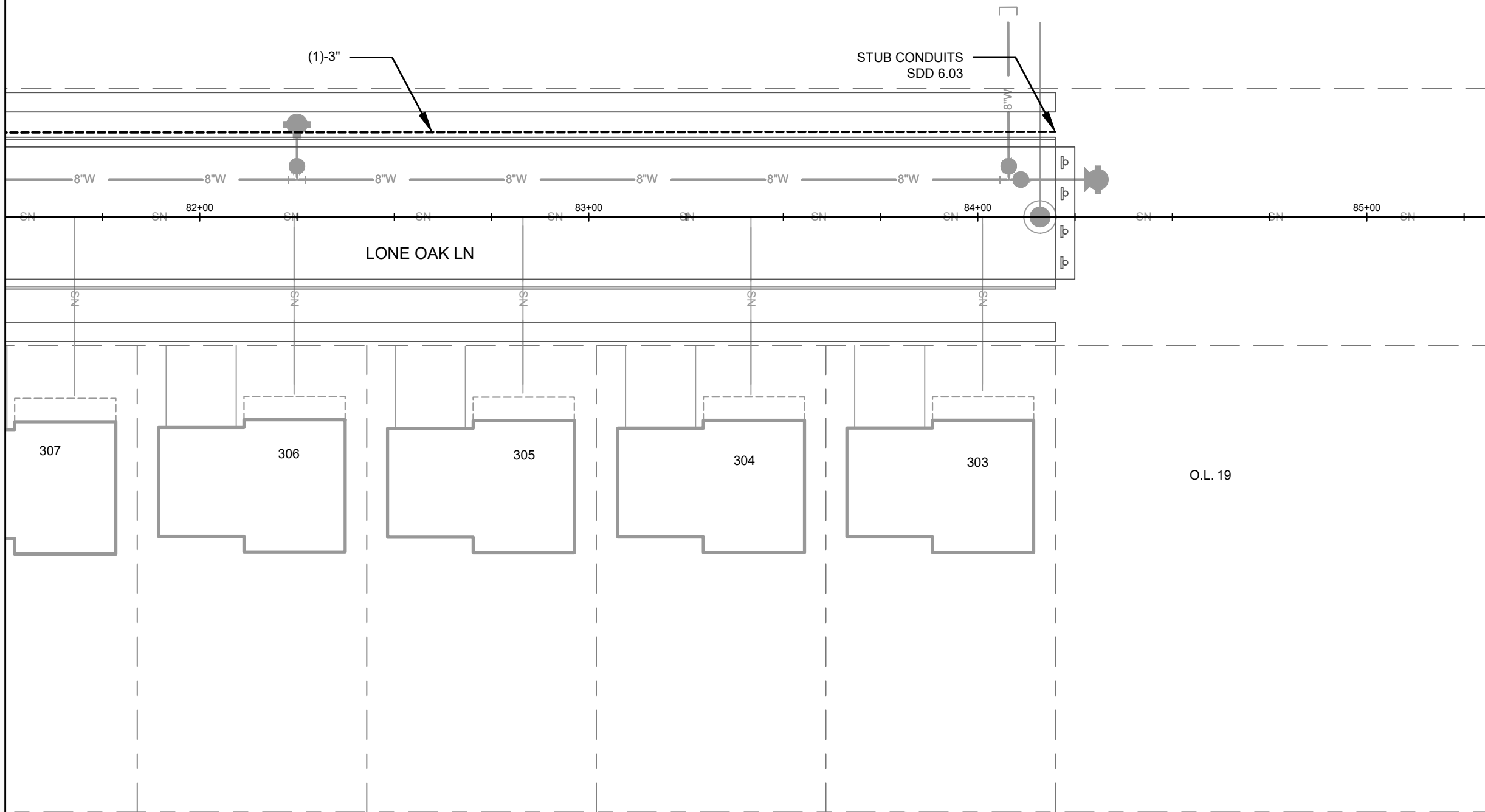
- GENERAL ELECTRICAL NOTES:**
1. ALL LOCATIONS ARE APPROXIMATE. TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS INCLUDING SETBACK IN THE FIELD. AFTER CONTRACTOR SURVEY STAKING, THE CONTRACTOR SHALL NOTIFY GRETCHEN AVILES PINEIRO (266-4899), AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
  2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION LATEST EDITION AND ALL ADDENDUMS THERETO.  
[HTTPS://WWW.CITYOFMADISON.COM/ENGINEERING/DOCUMENTS/STANDARD-SPECIFICATIONS/COMPLETESPECBOOK.PDF](https://www.cityofmadison.com/engineering/documents/standard-specifications/completespecbook.pdf)
  3. ALL CONDUIT SHALL BE PVC SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
  4. THE CONTRACTOR SHALL CALL CITY TE SHOP (266-4767) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF BURYING CONDUIT TO ARRANGE FOR INSPECTION AND PRIOR TO REMOVING OR CONNECTING TO EXISTING CONDUIT OR HANDHOLES. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
  5. MATERIALS DESIGNATED TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL BE SENT FOR APPROVAL TO GRETCHEN AVILES PINEIRO (GAVILESPINEIRO@CITYOFMADISON.COM).



MATCHLINE - 81+50.00

ELECTRICAL PLAN	15352	MADISON, WI	CONTRACT NO: 9554	E-1
ACACIA RIDGE PHASE 12	<small>M:\DESIGN\Projects\15352\CAD\Traffic\15352TE-Electrical.dwg</small>			
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E-1				

MATCHLINE - 81+50.00



312

(1)-3"

STUB CONDUITS  
SDD 6.03

307

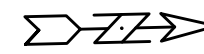
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MARK	REVISION	DATE	BY

15352  
MADISON, WI  
CONTRACT NO: 9554

ELECTRICAL PLAN  
ACACIA RIDGE PHASE 12  
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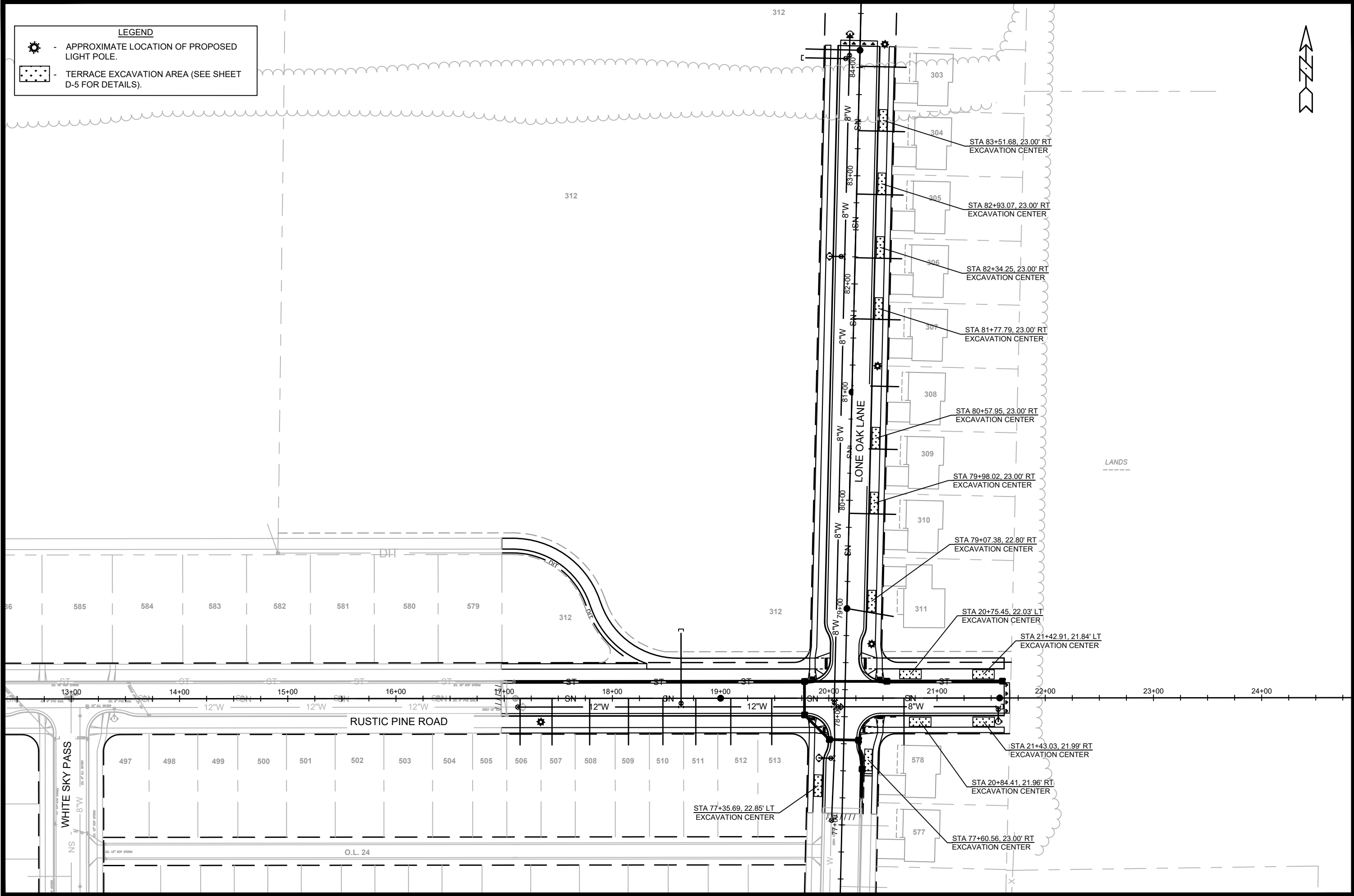
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E-2

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Date: 11/12/2024 1:50 PM  
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E-2



**LEGEND**

- APPROXIMATE LOCATION OF PROPOSED LIGHT POLE.
- TERRACE EXCAVATION AREA (SEE SHEET D-5 FOR DETAILS).

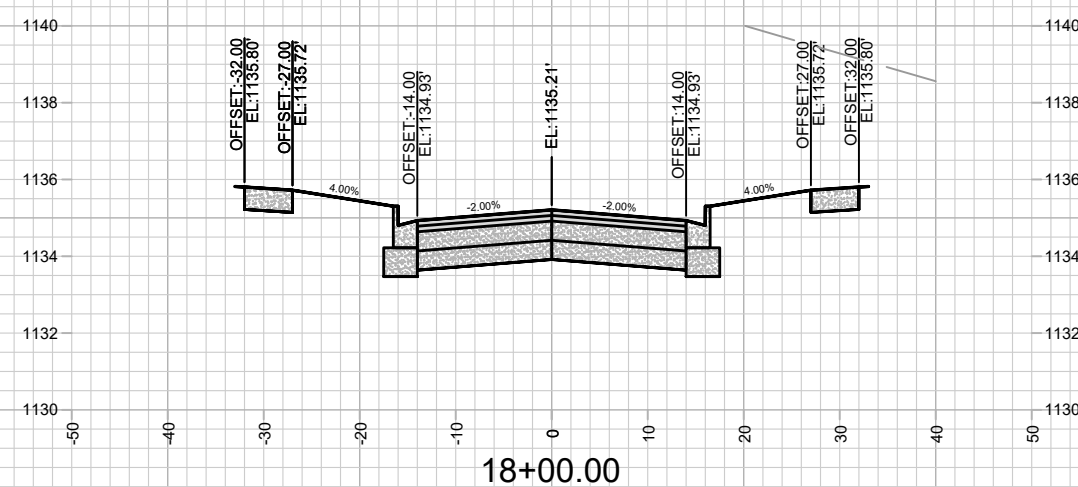
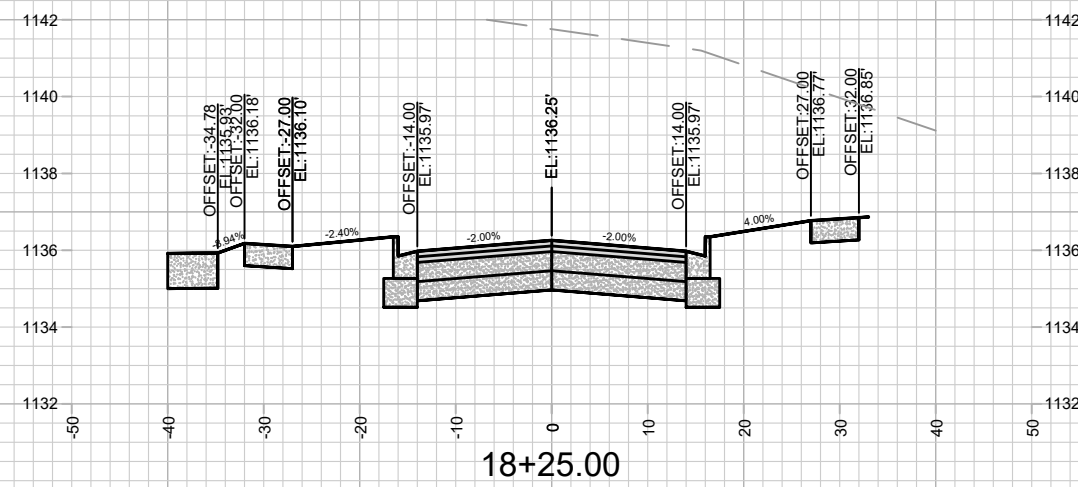
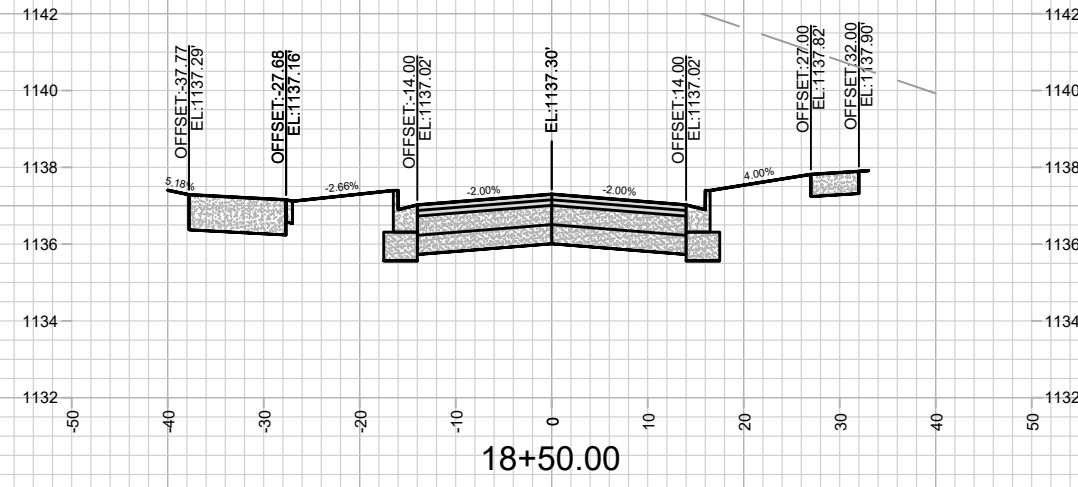
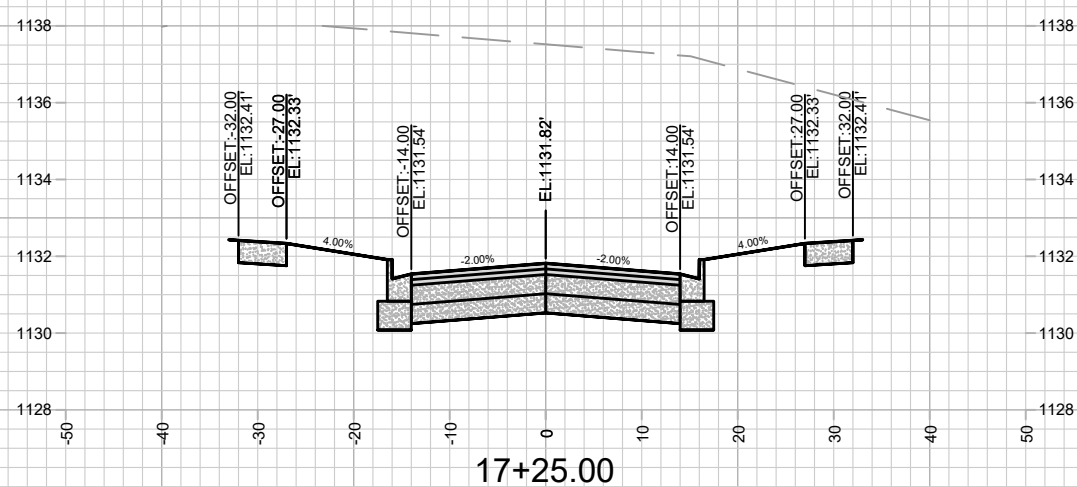
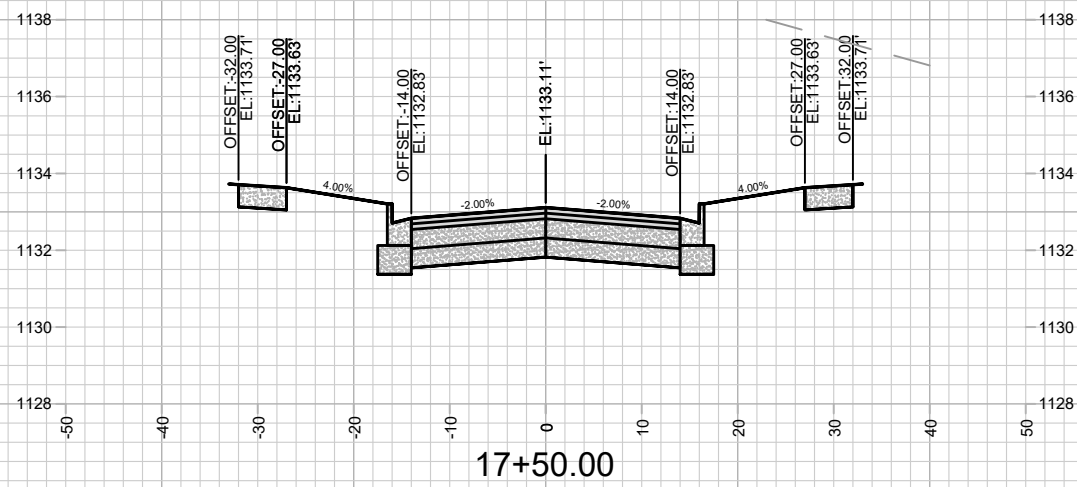
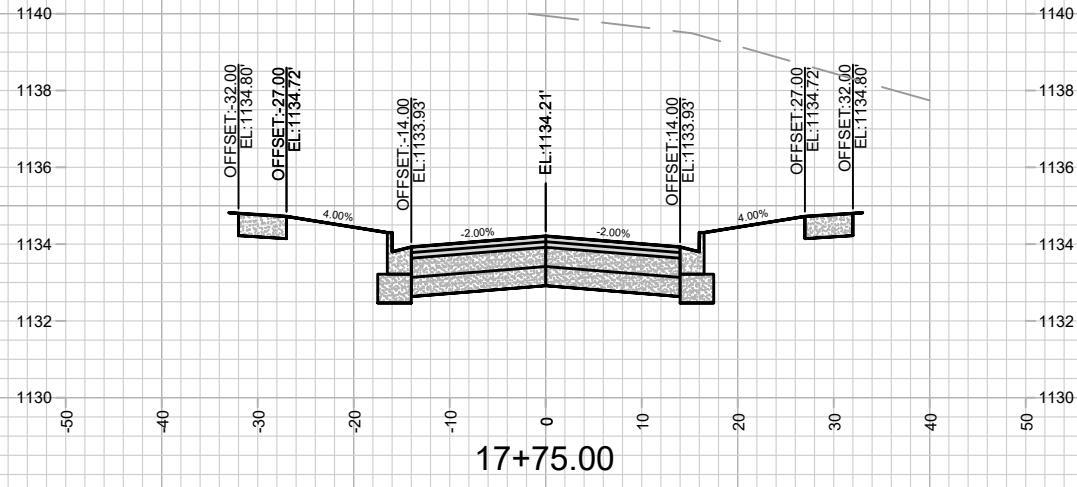


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CONTRACT NO.	9554
SCALE	L-1

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 MADISON, WI  
 CONTRACT NO: 9554

LANDSCAPING PLAN  
 ACACIA RIDGE PHASE 12  
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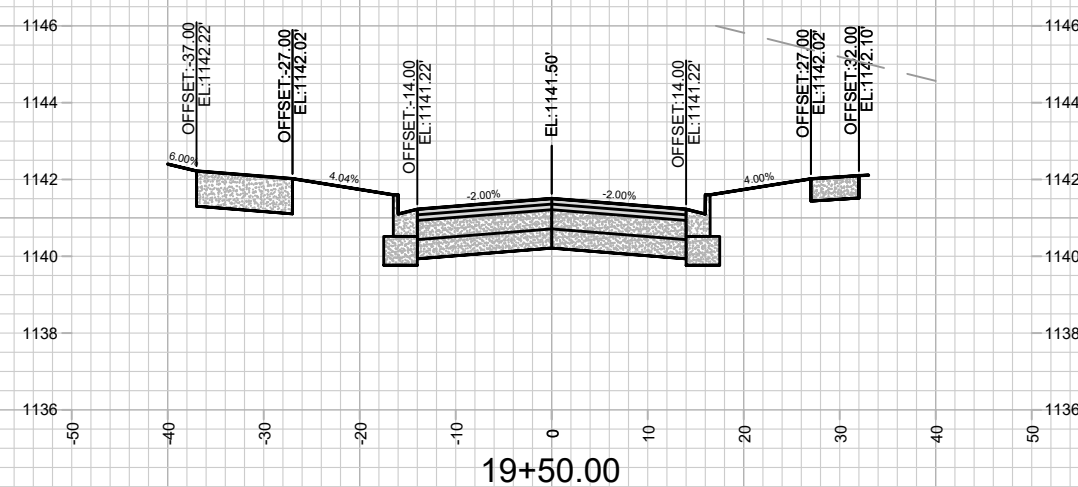
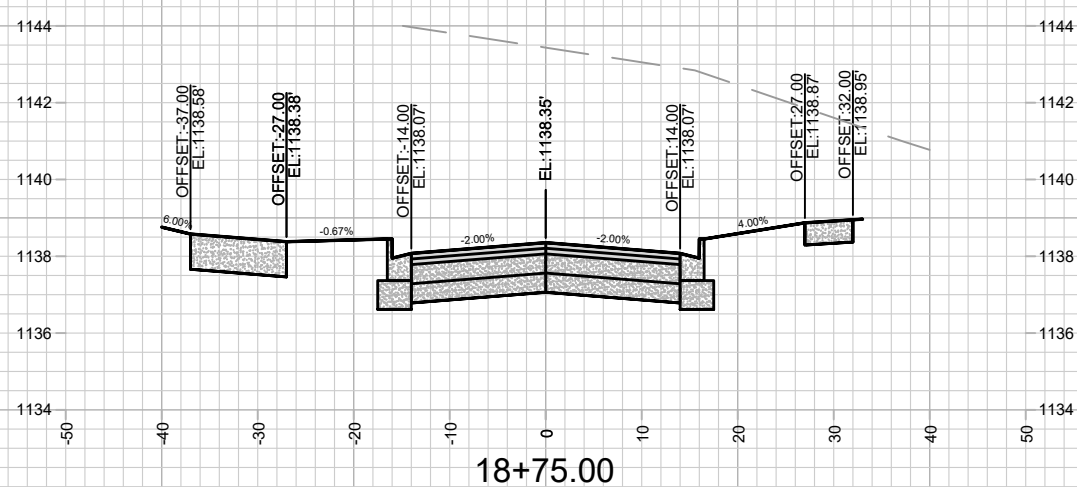
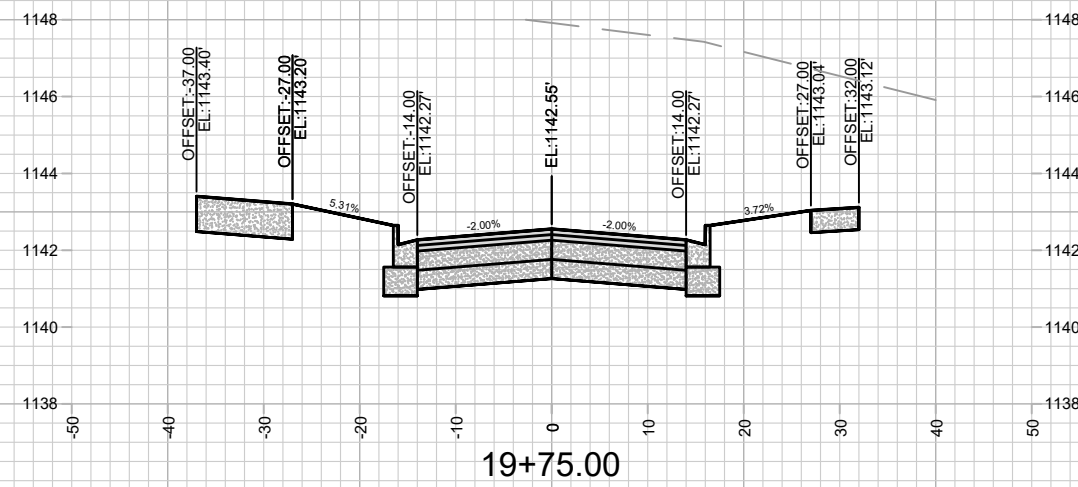
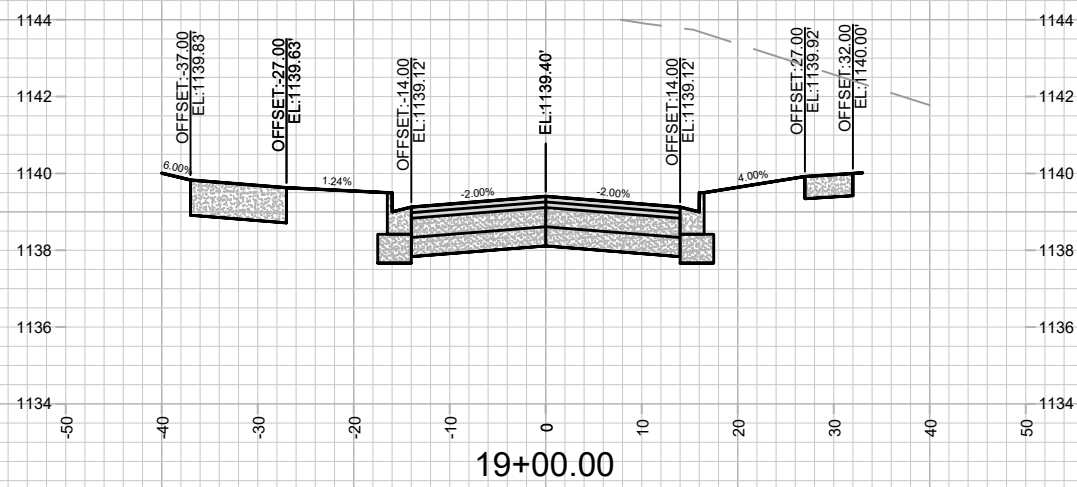
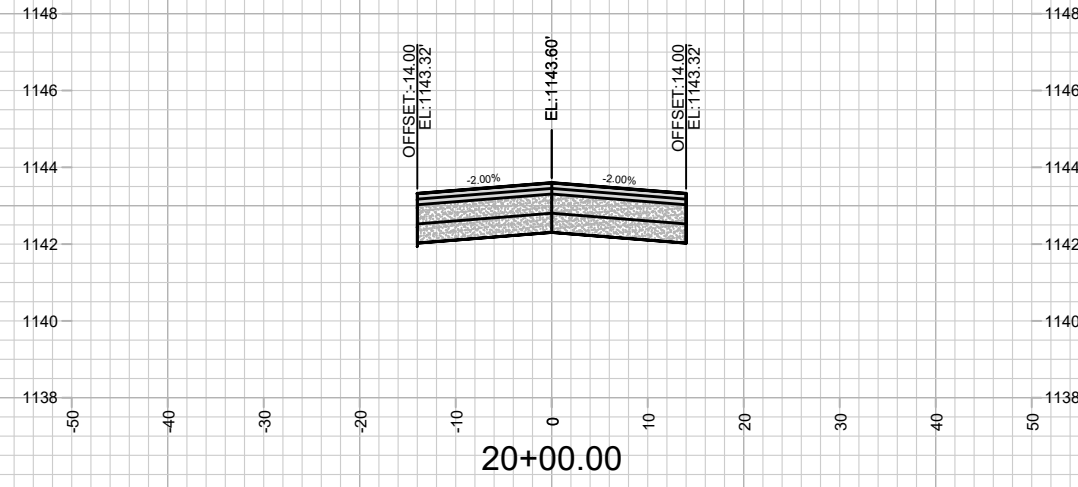
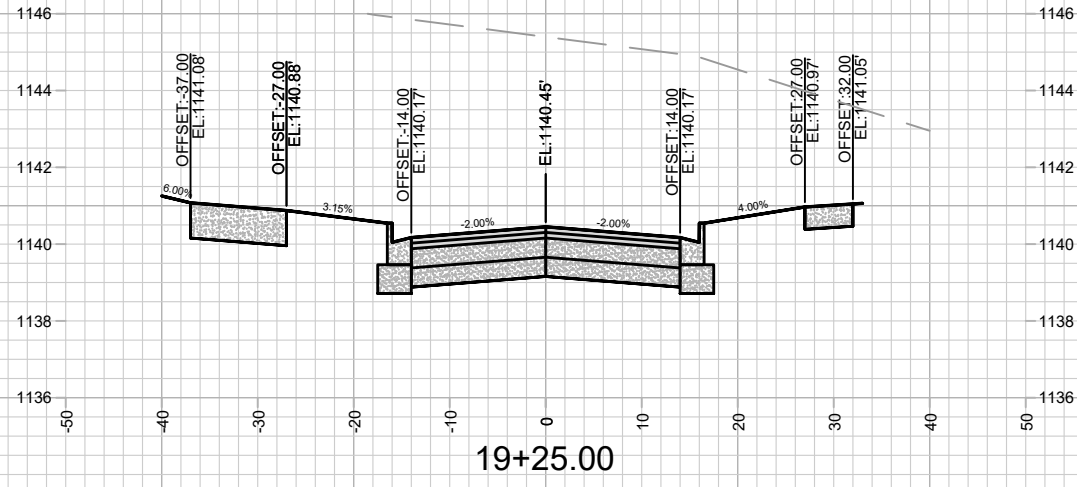
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15352  
 MADISON, WI  
 CONTRACT NO: 9554  
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CROSS SECTIONS - RUSTIC PINE ROAD  
 ACACIA RIDGE PHASE 12  
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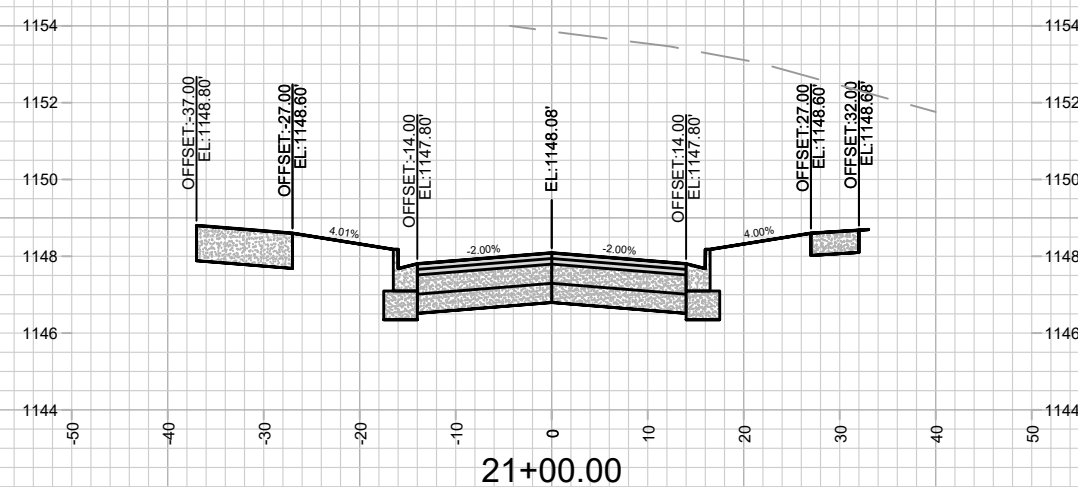
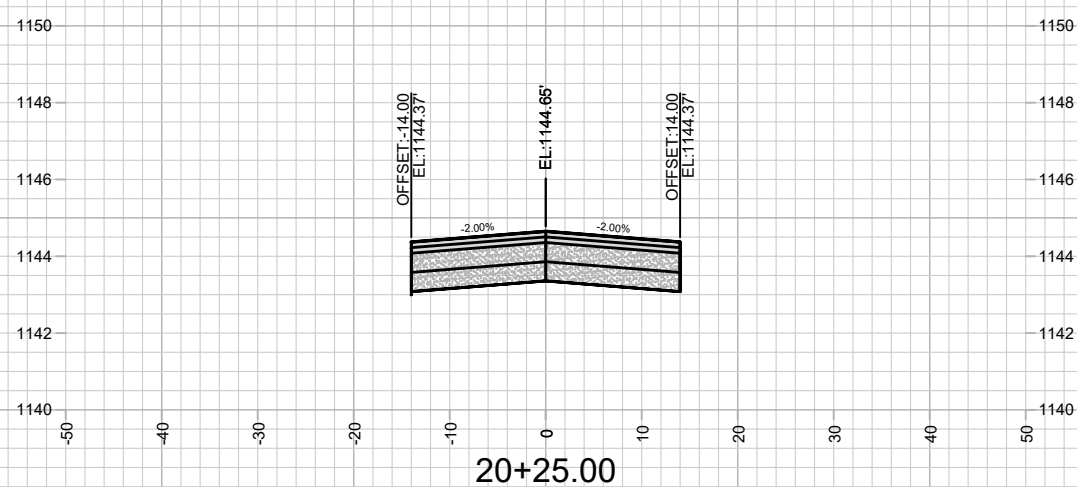
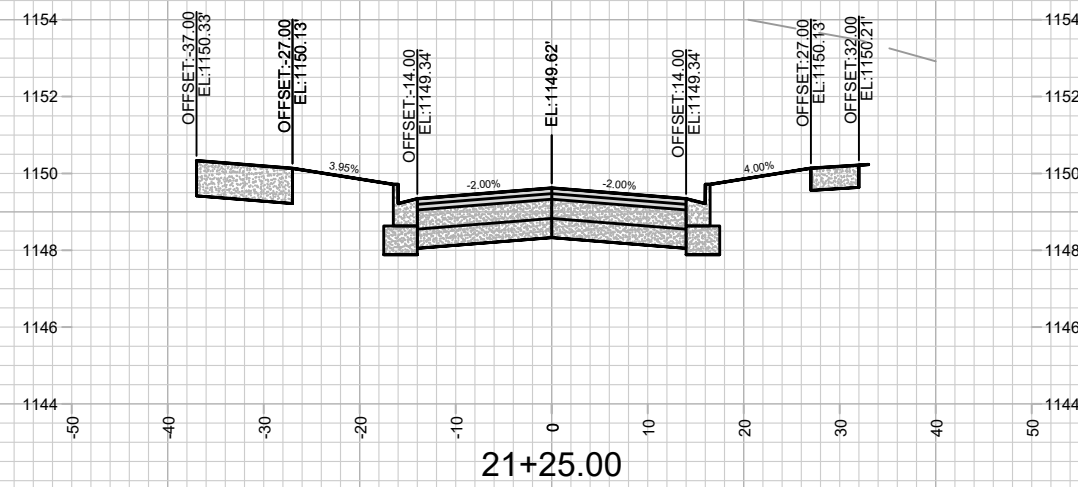
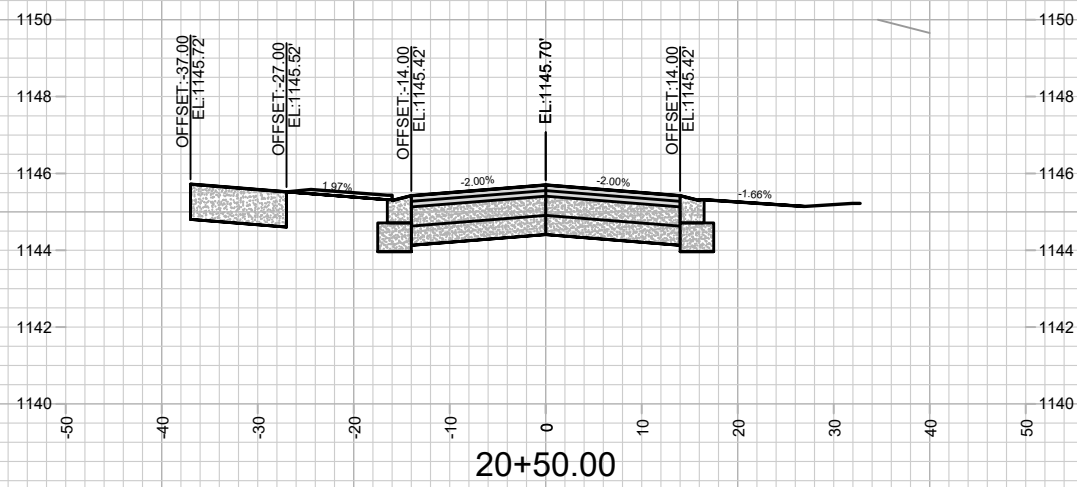
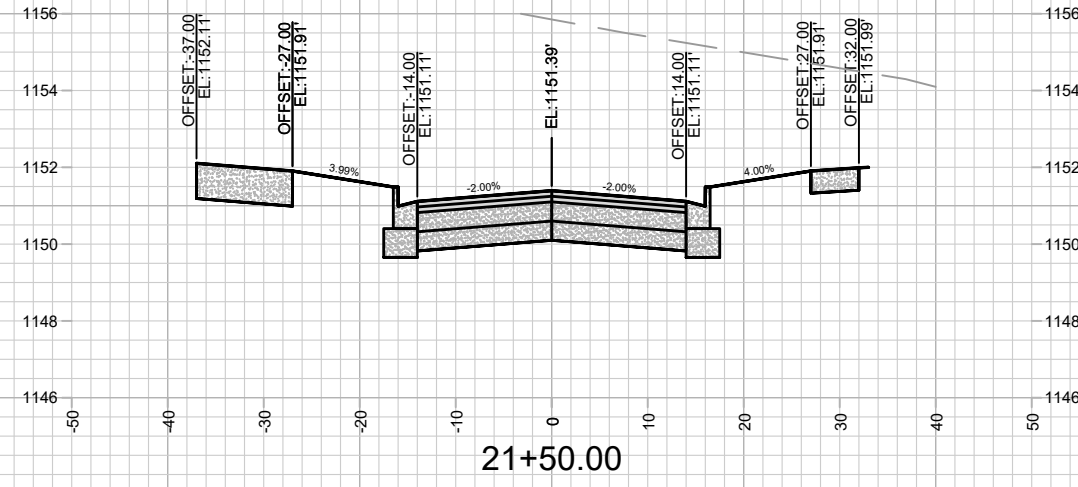
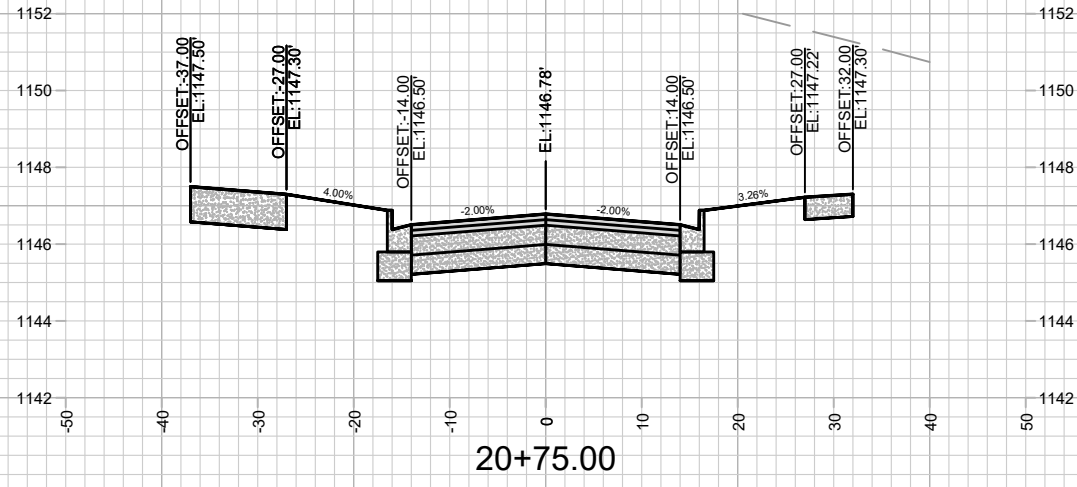
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MADISON, WI  
9554  
CONTRACT NO:

CROSS SECTIONS - RUSTIC PINE ROAD  
ACACIA RIDGE PHASE 12  
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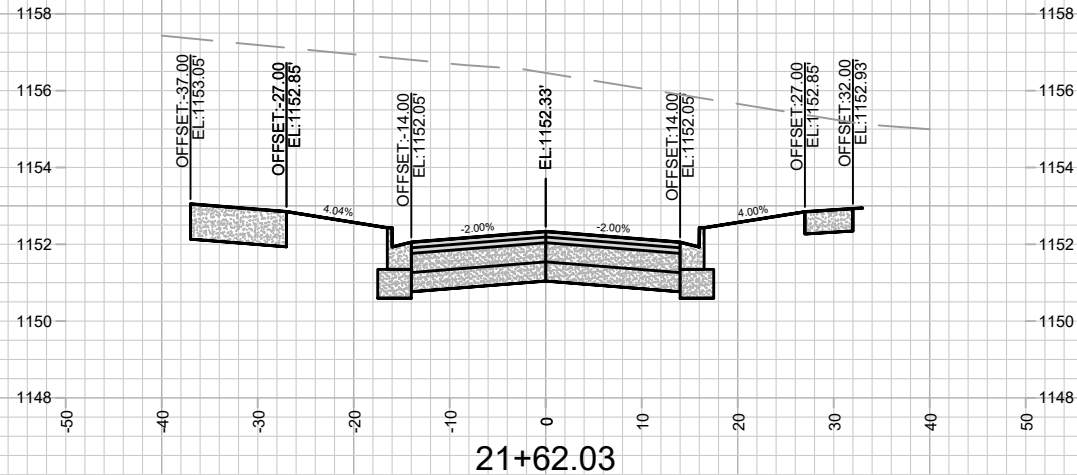
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15352  
 MADISON, WI  
 CONTRACT NO: 9554  
 CROSS SECTIONS - RUSTIC PINE ROAD  
 ACACIA RIDGE PHASE 12  
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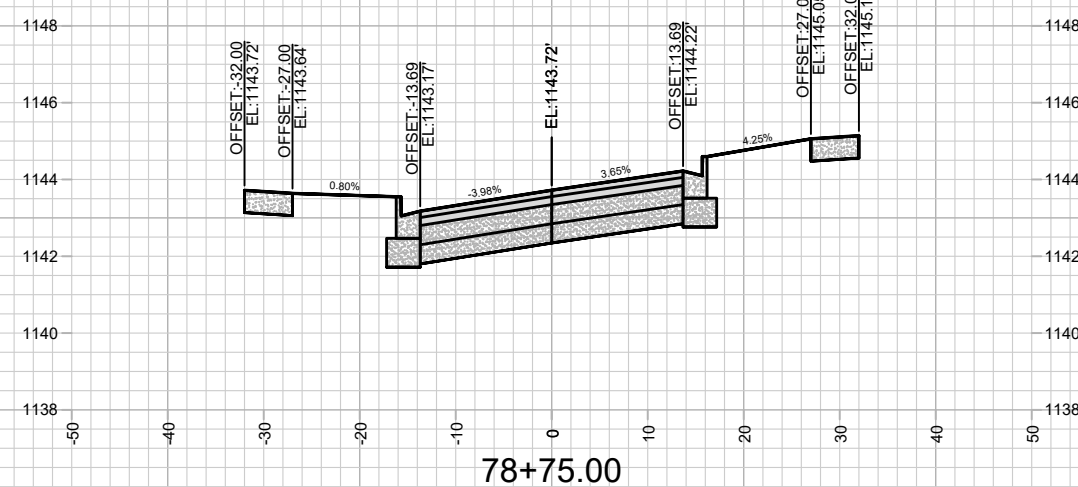
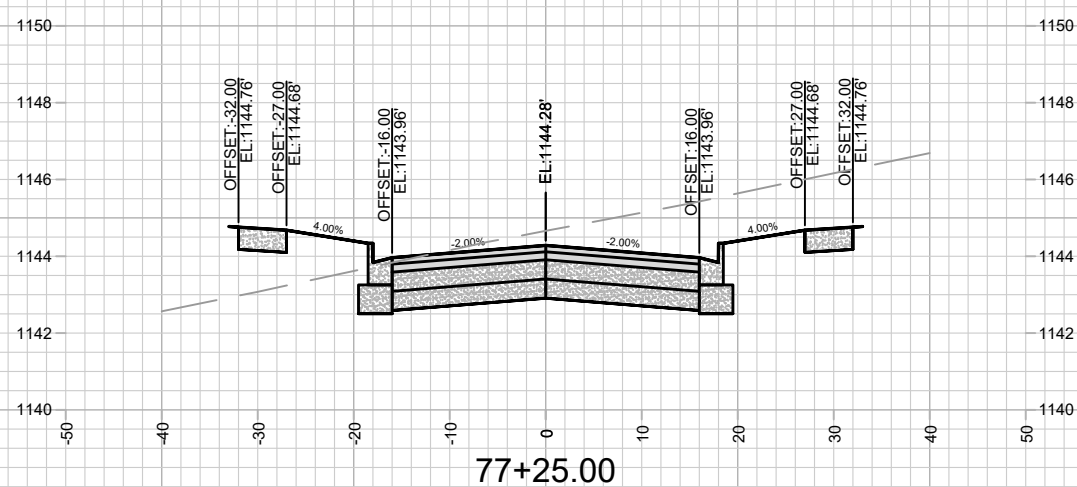
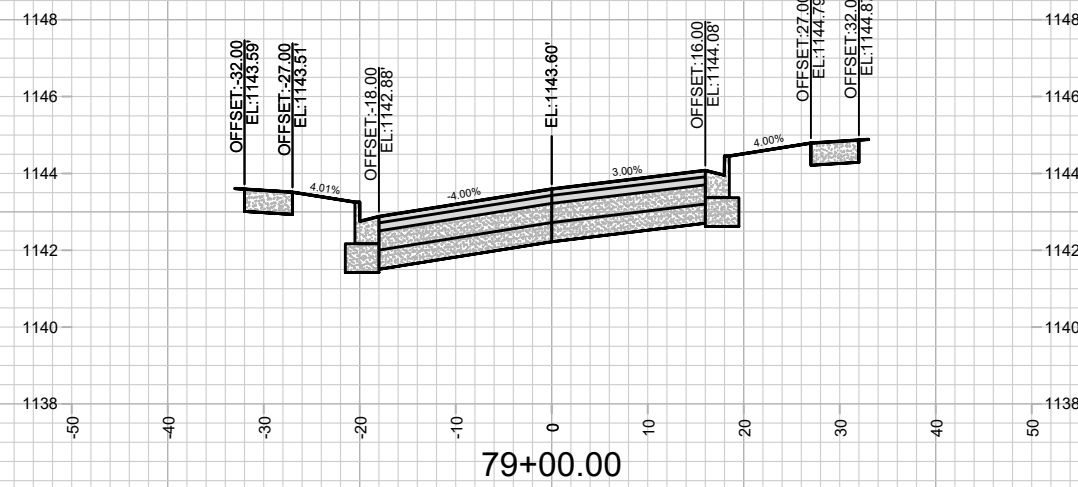
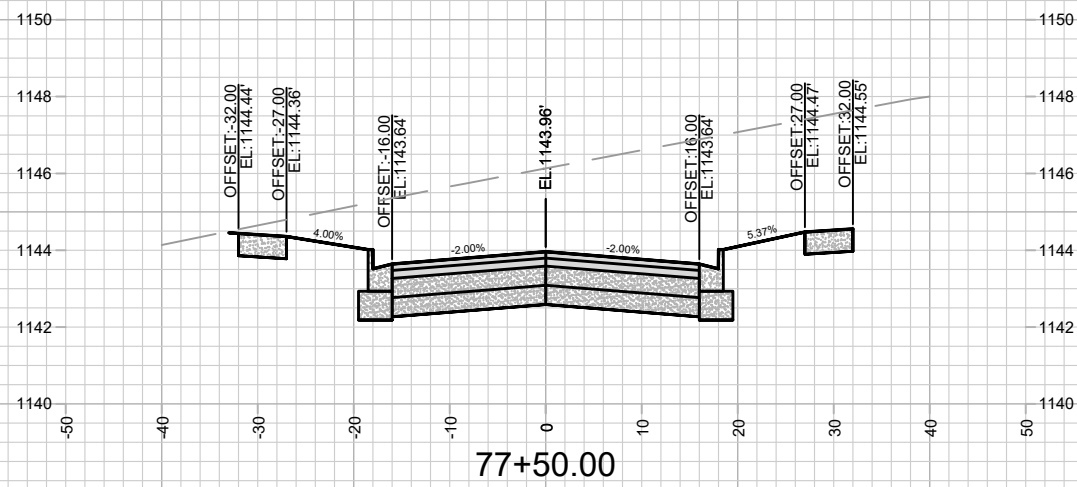
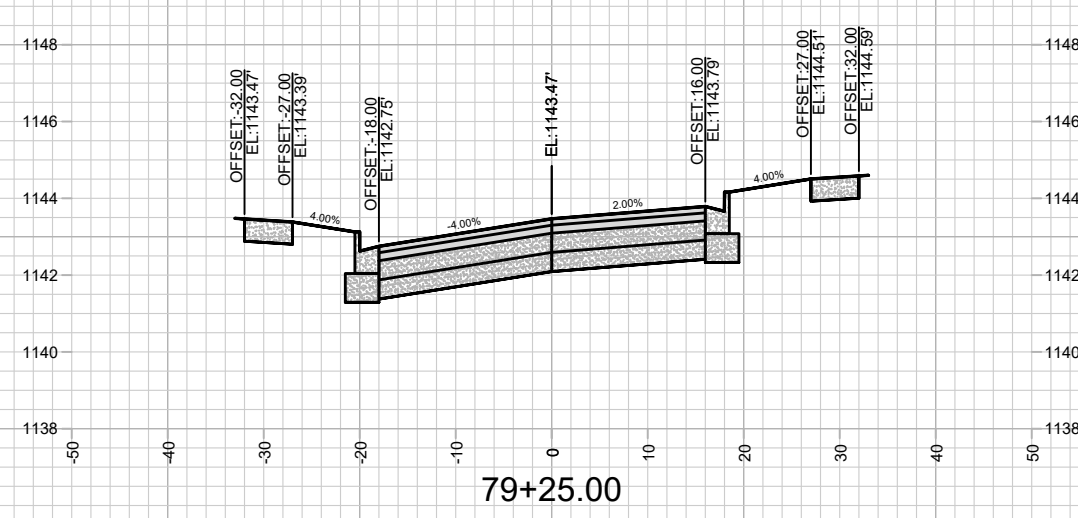
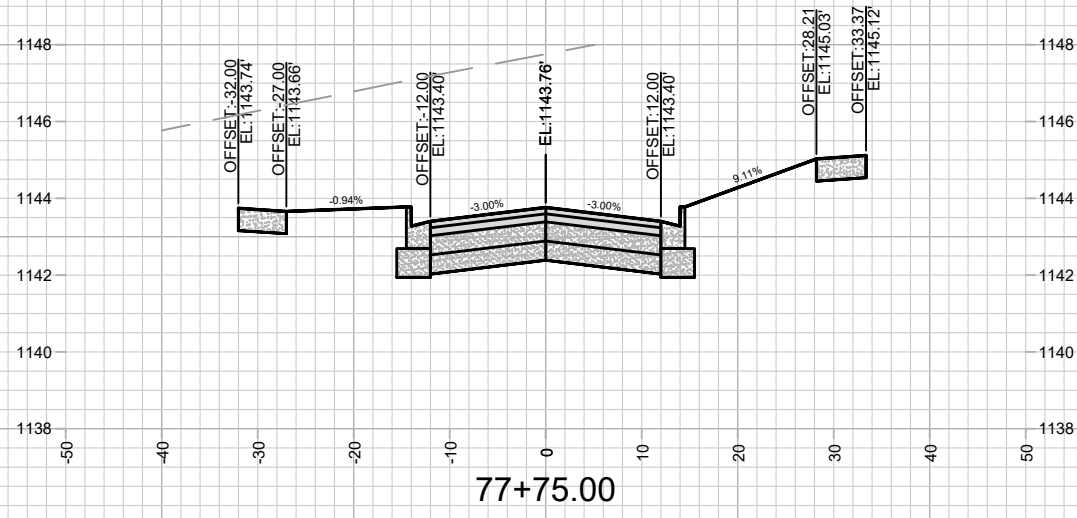
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 MADISON, WI  
 CONTRACT NO: 9554

CROSS SECTIONS - RUSTIC PINE ROAD  
 ACACIA RIDGE PHASE 12  
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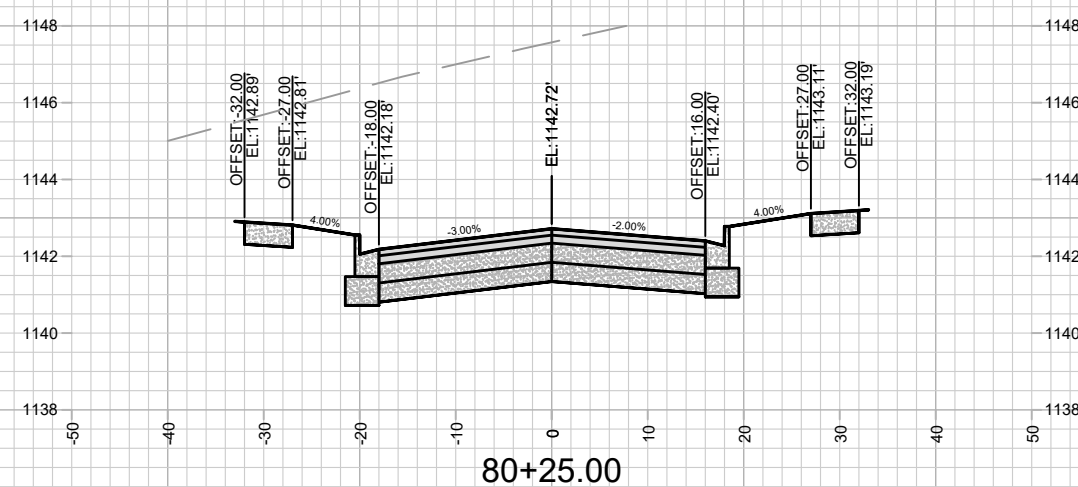
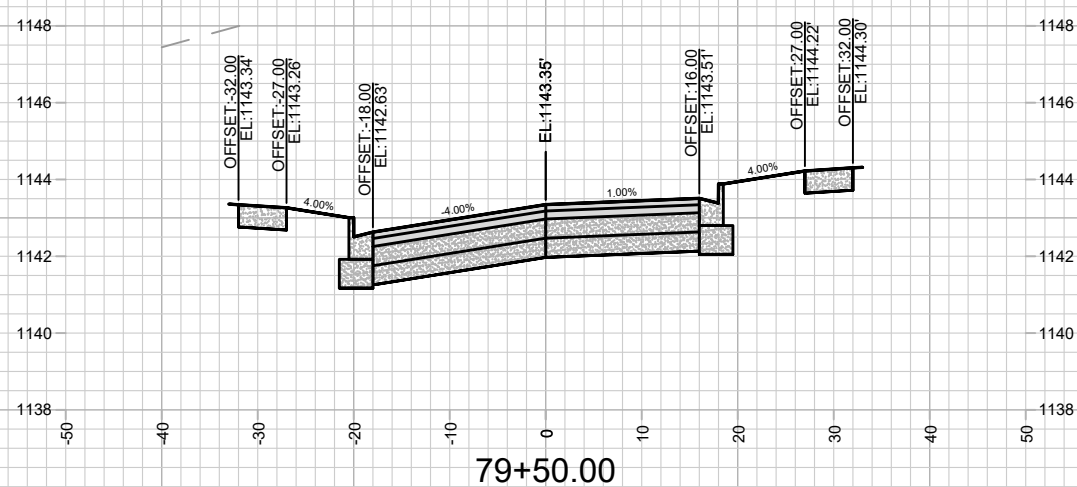
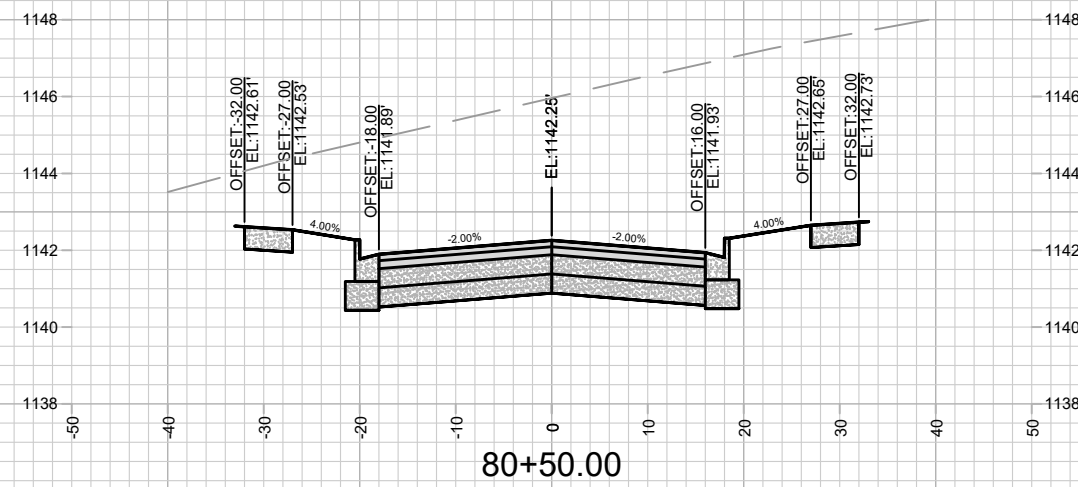
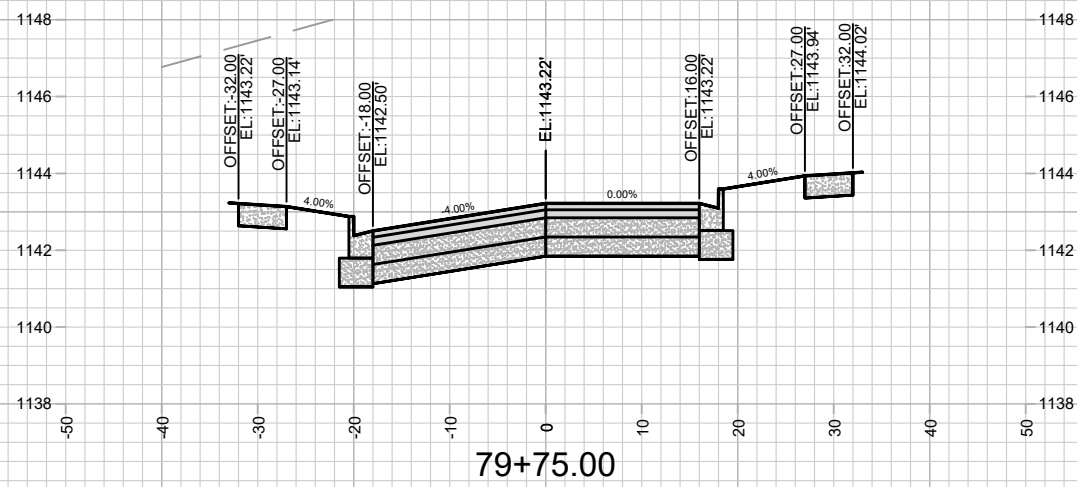
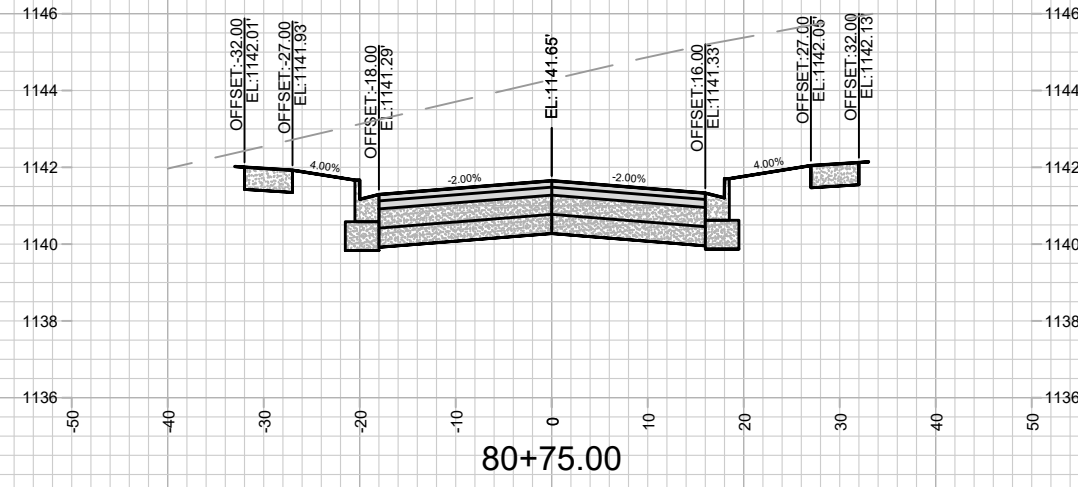
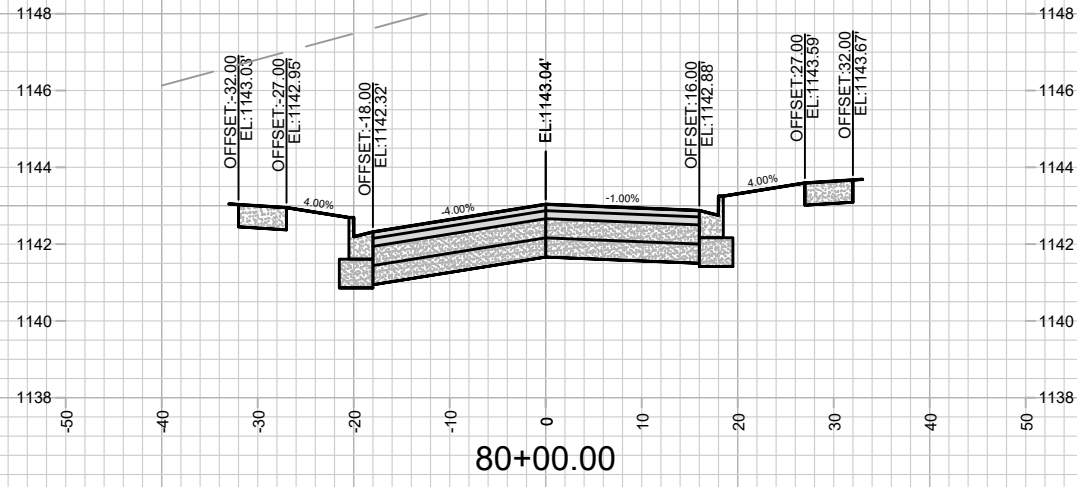
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MADISON, WI  
9554  
CONTRACT NO:

CROSS SECTIONS - LONE OAK LANE  
ACACIA RIDGE PHASE 12  
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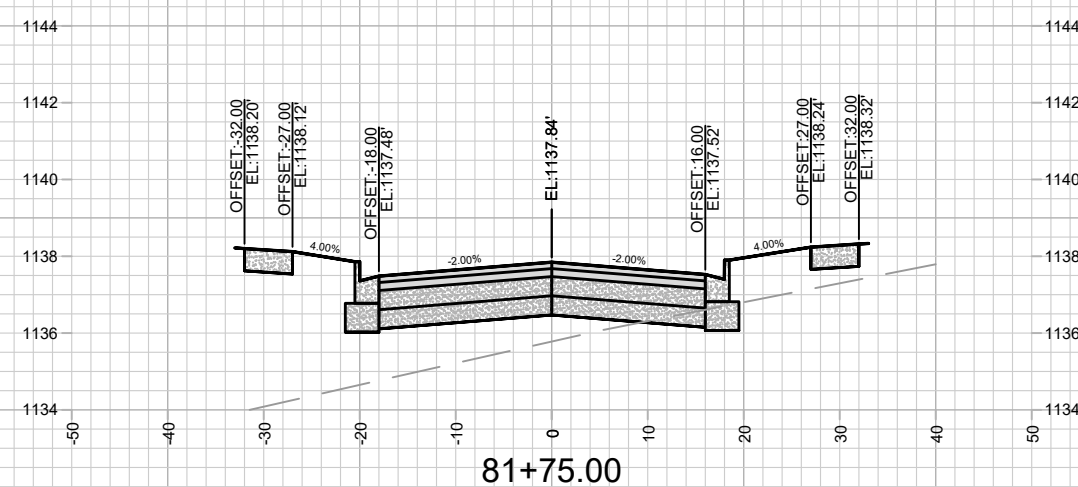
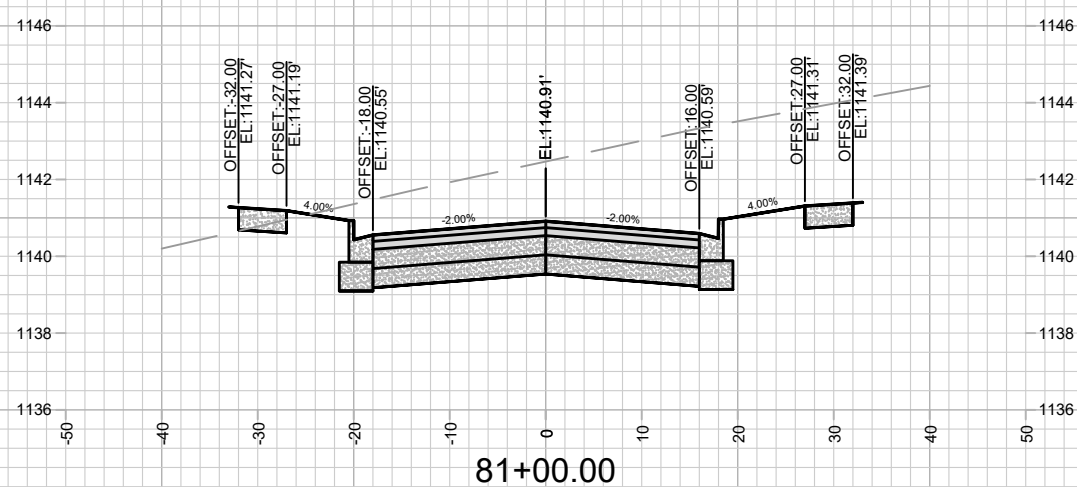
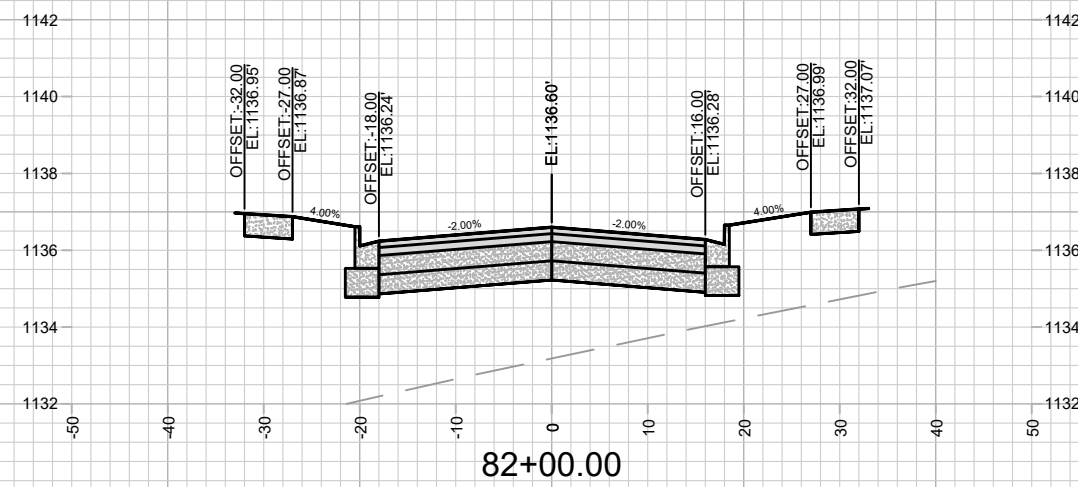
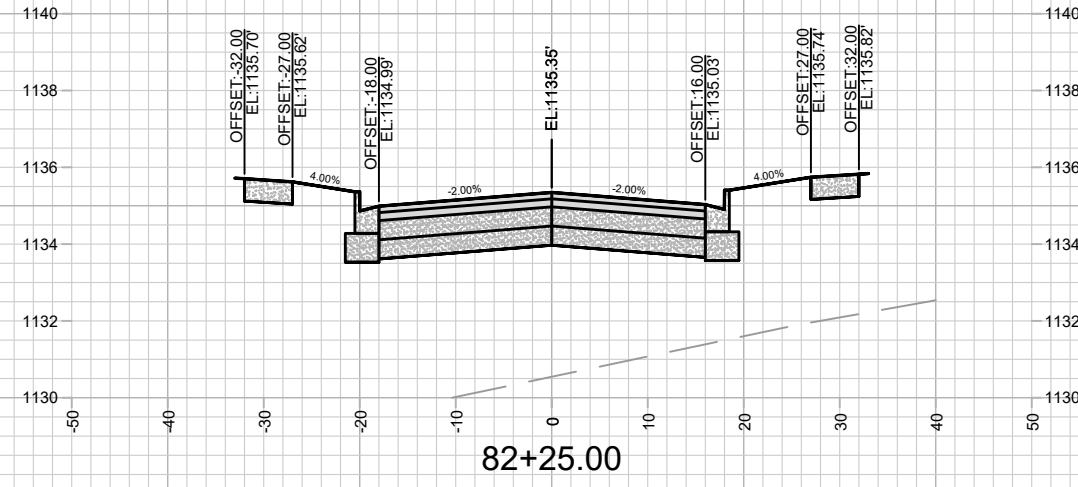
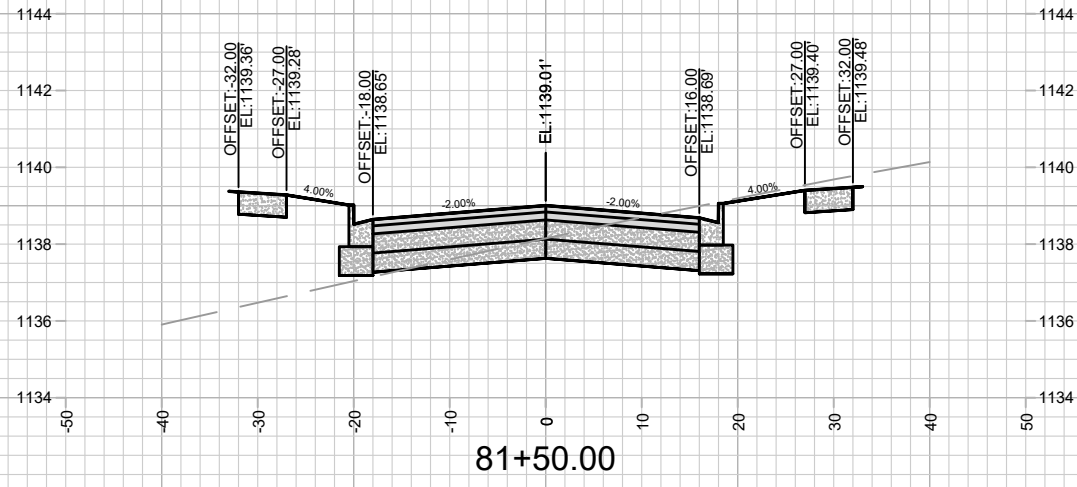
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MADISON, WI  
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CROSS SECTIONS - LONE OAK LANE  
ACACIA RIDGE PHASE 12  
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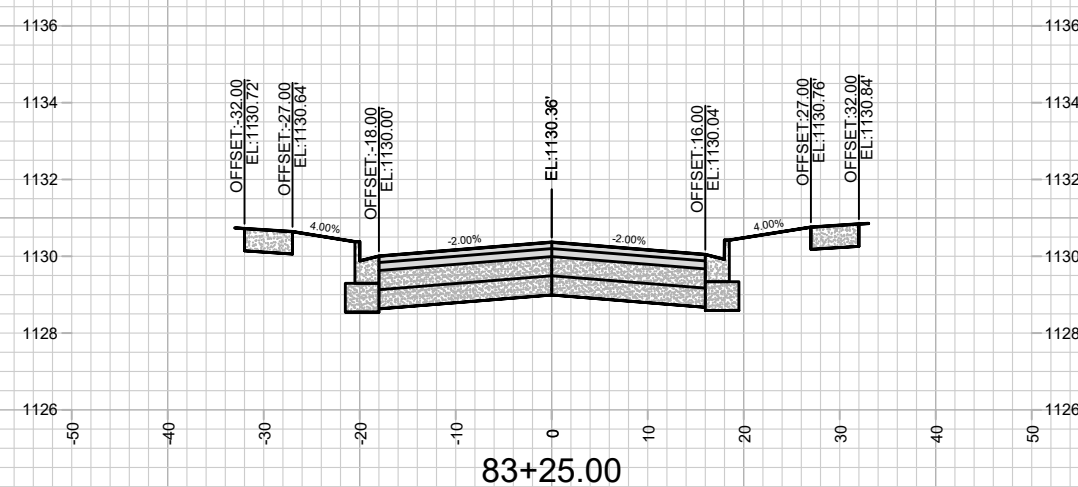
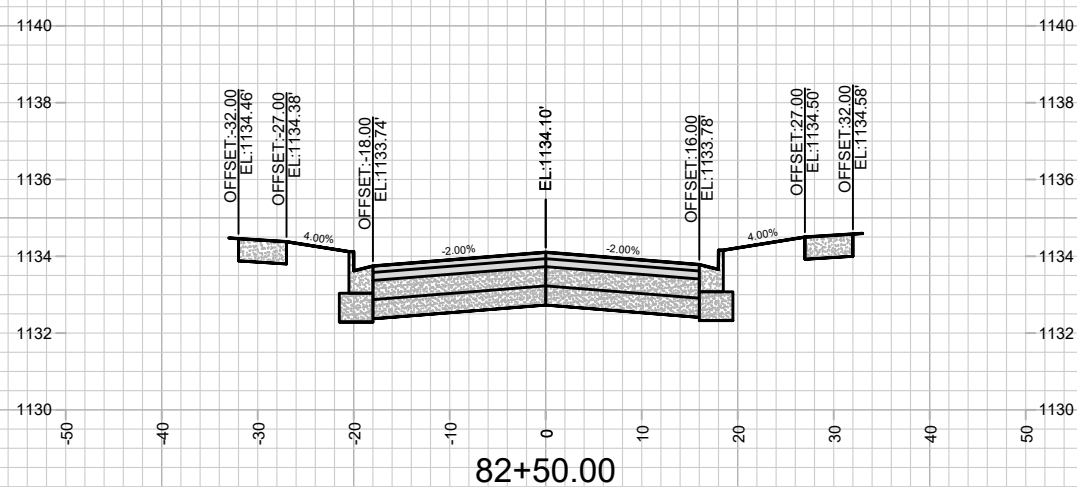
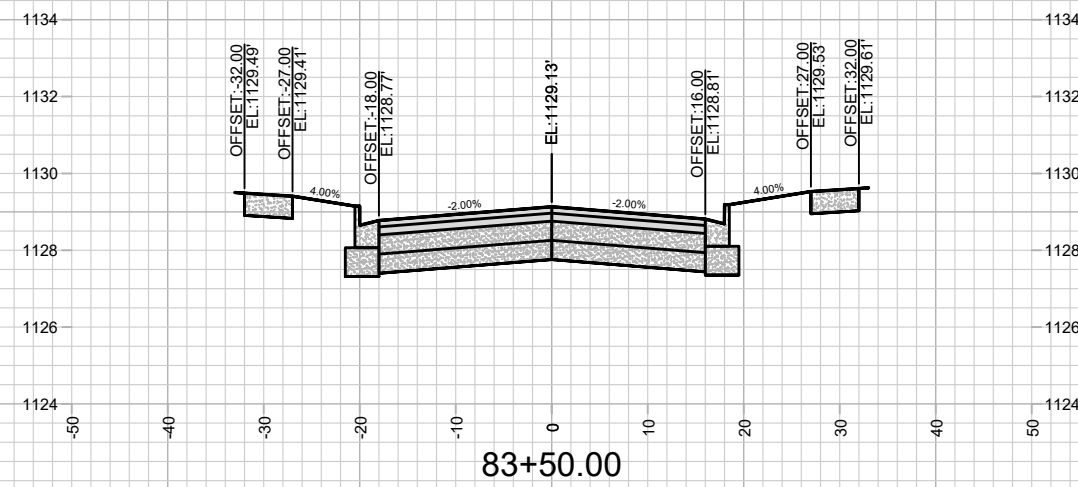
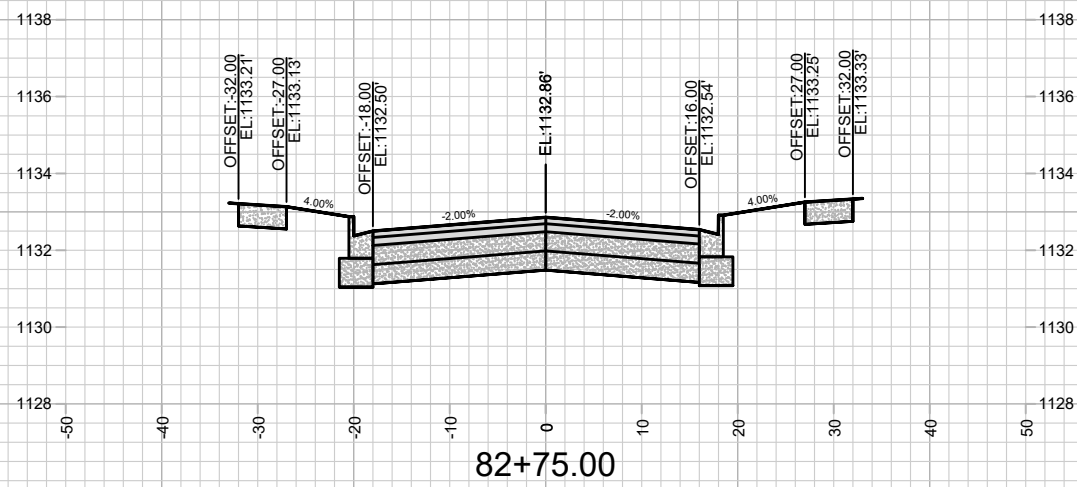
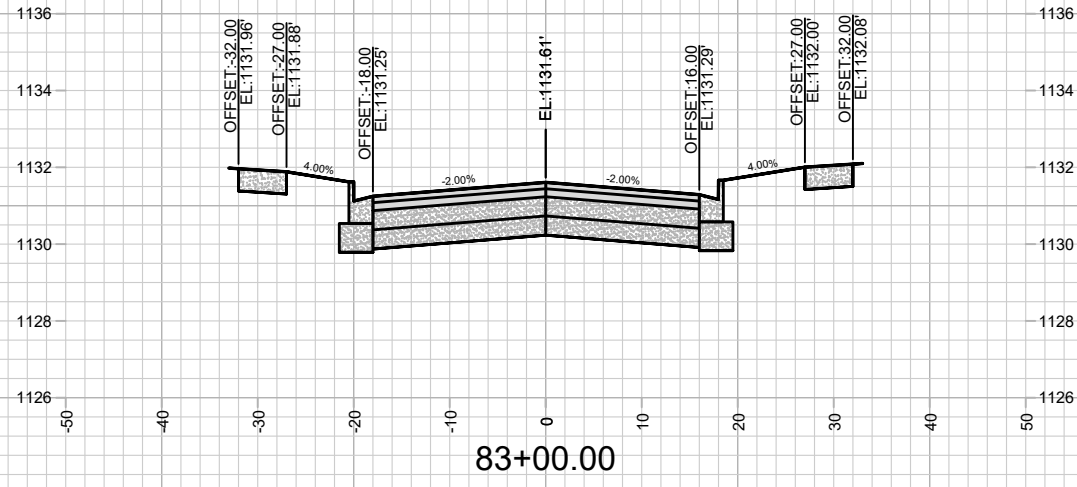
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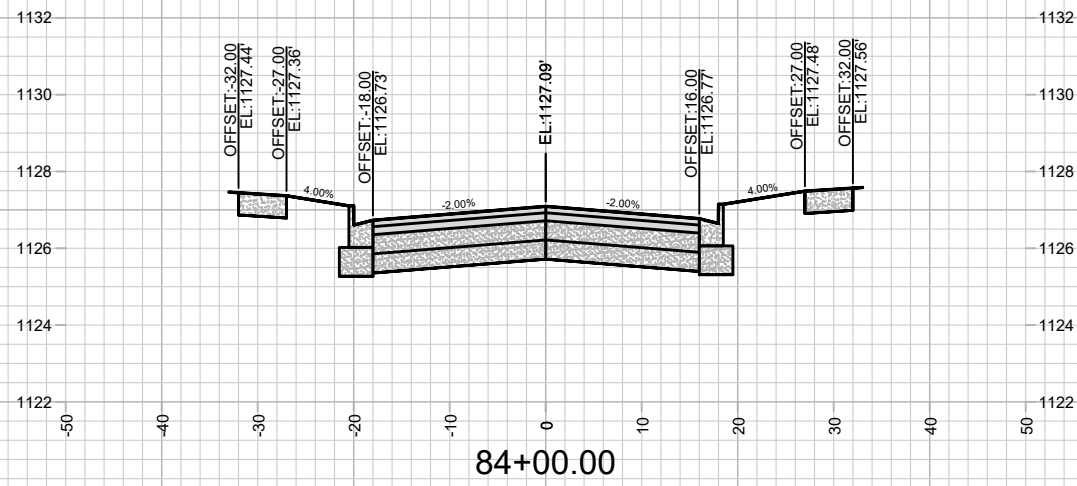
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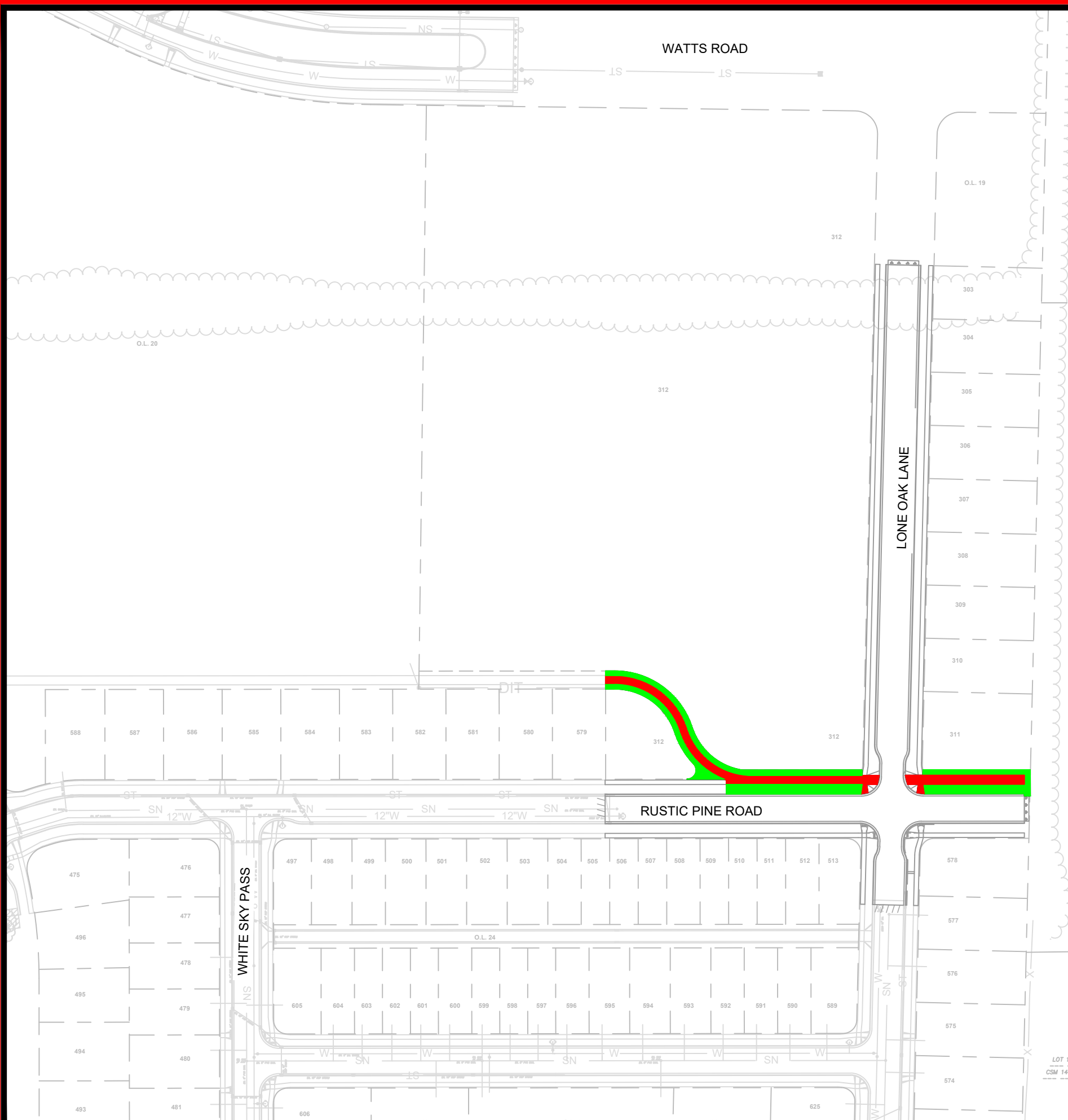


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CROSS SECTIONS - LONE OAK LANE  
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15352  
MADISON, WI  
CONTRACT NO: 9554

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15352	Designed By: FBEG	Date: 12/5/2024 2:31 PM	Scale: 1" = 20'



**MAINTENANCE LEGEND:**

- = TERRACE REQUIRE MOWING BY CITY
- = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- = CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY
- = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)
- = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- = PUBLIC CITY PARK PROPERTY
- = PRIVATE OUTLOT
- = PHASE BOUNDARY

**SPECIAL FEATURES LEGEND:**

- = SUSPENDED PAVEMENT SYSTEM
- = STORM WATER FEATURE
- = UNDERDRAIN

**NOT FOR CONSTRUCTION - CITY RECORDS ONLY**