



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

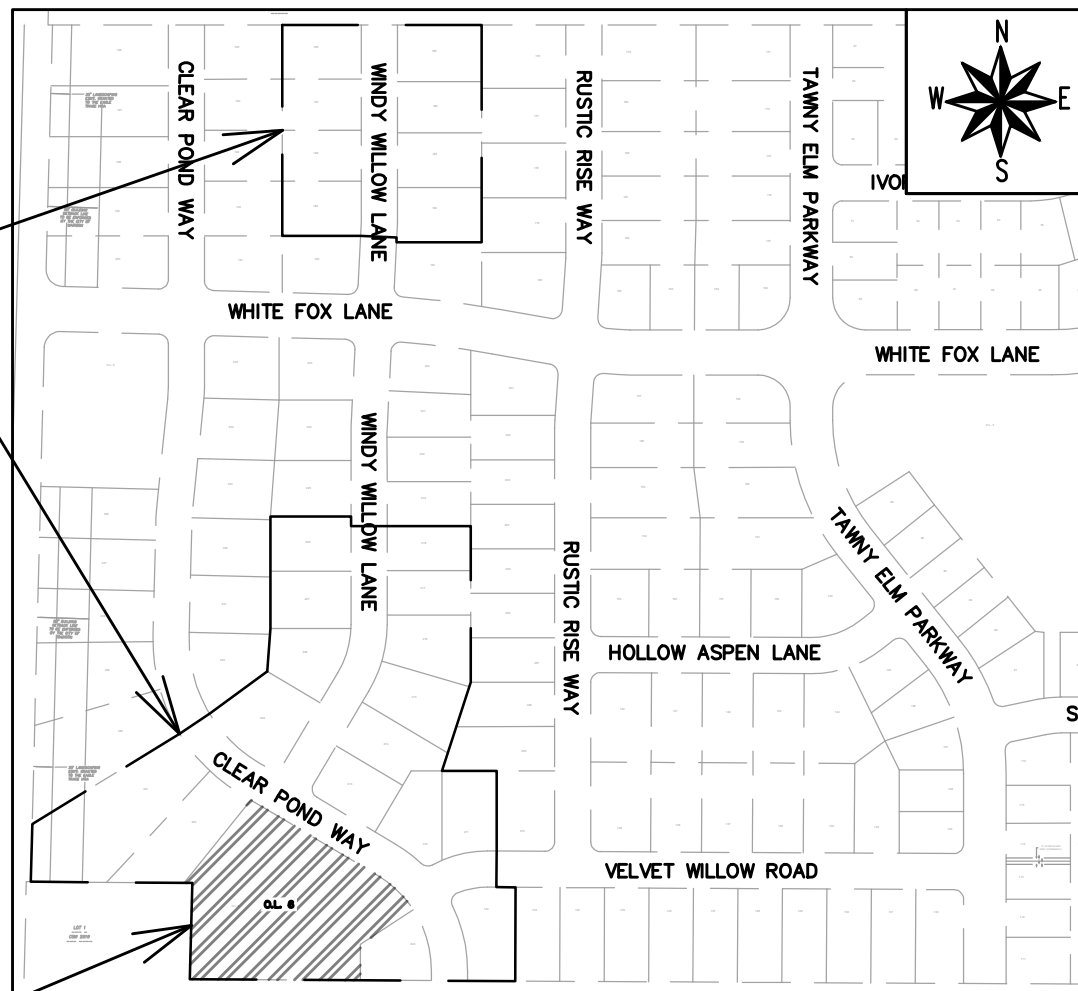
## EAGLE TRACE - PHASE 7

#### INDEX OF SHEETS

SHEET NO. D1	STANDARD NOTES
SHEET NO. D2	TYPICAL SECTIONS
SHEET NO. D3	TERRACE EXCAVATION DETAIL
SHEET NO. O1	OVERVIEW PLAN
SHEET NO. L1-L3	LANDSCAPING PLANS
SHEET NO. P1-P5	PLAN & PROFILES
SHEET NO. U1-U6	UTILITY PLAN & PROFILES
SHEET NO. USAN	SANITARY SEWER SCHEDULE
SHEET NO. USTM	STORM SEWER SCHEDULE
SHEET NO. W1-W5	WATER PLANS
SHEET NO. W6	WATER IMPACT PLAN
SHEET NO. W7	WATER ESTIMATE OF MATERIALS
SHEET NO. X1-X8	CROSS SECTIONS
SHEET NO. PBM1	PROPERTY BOUNDARY MARKERS
SHEET NO. MN1	MAINTENANCE PLAN

CITY PROJECT NO. 14926  
CONTRACT NO. 9383

PHASE LIMITS



O.L. 6 STORMWATER MANAGEMENT  
(SEE PROJECT NO. 11930)

PUBLIC IMPROVEMENT PROJECT  
APPROVED

APPROVED DATE: JANUARY 23, 2024

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

Chris Potykowski Apr 18, 2024

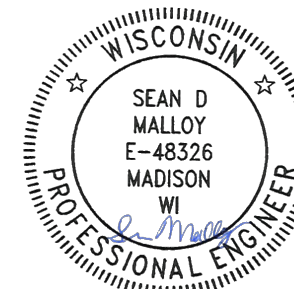
City Engineer Date

STREET  
DESIGNED BY:



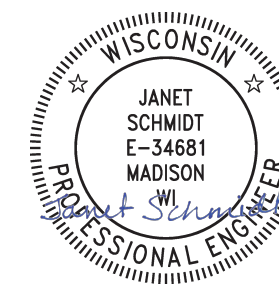
Apr 18, 2024

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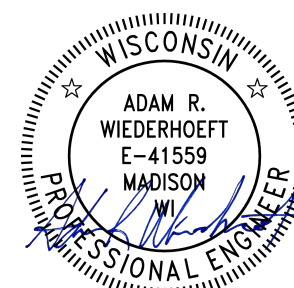
Apr 18, 2024

STORM SEWER  
DESIGNED BY:



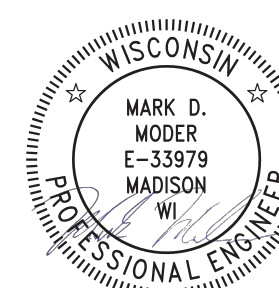
Apr 18, 2024

WATER  
DESIGNED BY:



Apr 18, 2024

SANITARY SEWER  
DESIGNED BY:



Apr 18, 2024

PLOT SCALE: 1" = 1'

PLOT NAME: ---

REV. DATE: 3/21/2024 12:55 PM

ORIGINATOR: CITY\_OF\_MADISON

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, GRECIA IZQUIERDO TORRES, AT GIZQUIERDO@CITYOFMADISON.COM FOR CAD FILES AND ALIGNMENT DATA PRIOR TO STAKING.

ALL PAVEMENT IN THE VELVET WILLOW ROAD AND WINDY WILLOW ROAD RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE CLEAR POND WAY RIGHT-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.

OBTAIN A PRINT OUT OF THE ALIGNMENTS FROM THE CITY PROJECT ENGINEER PRIOR TO STAKING THIS PROJECT. THE CITY PROJECT ENGINEER IS GRECIA IZQUIERDO TORRES, EMAIL: GIZQUIERDO@CITYOFMADISON.COM

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.

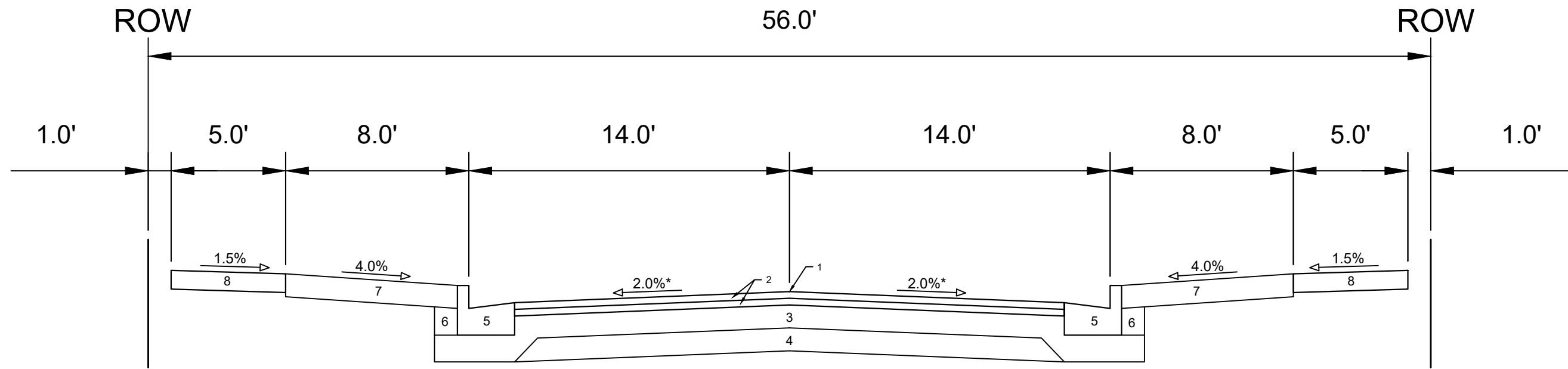
ALL PROPOSED IMPROVEMENTS IN THE RIGHT-OF-WAY ARE BASED ON SURVEY DATA PROVIDED BY THE DEVELOPER OR ITS CONSULTANT. IN THE CASE THAT THE PROPOSED IMPROVEMENTS CAN NOT BE INSTALLED PER THESE PLANS OR THE CITY OF MADISON STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, THE DEVELOPER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

<b>GAS</b>	—— G ——
<b>STORM SEWER</b>	—— ST ——
<b>SANITARY SEWER</b>	—— SAN ——
<b>WATER</b>	—— W ——
<b>BURIED ELECTRIC</b>	—— E ——
<b>OVERHEAD ELECTRIC</b>	—— OH ——
<b>POWER POLE</b>	
<b>ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD</b>	
<b>COMBUSTIBLE FLUIDS</b>	

14926	MADISON, WI	9383	14926	D-1
STANDARD NOTES		EAGLE TRACE - PHASE 7		CONTRACT NO:
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14926				
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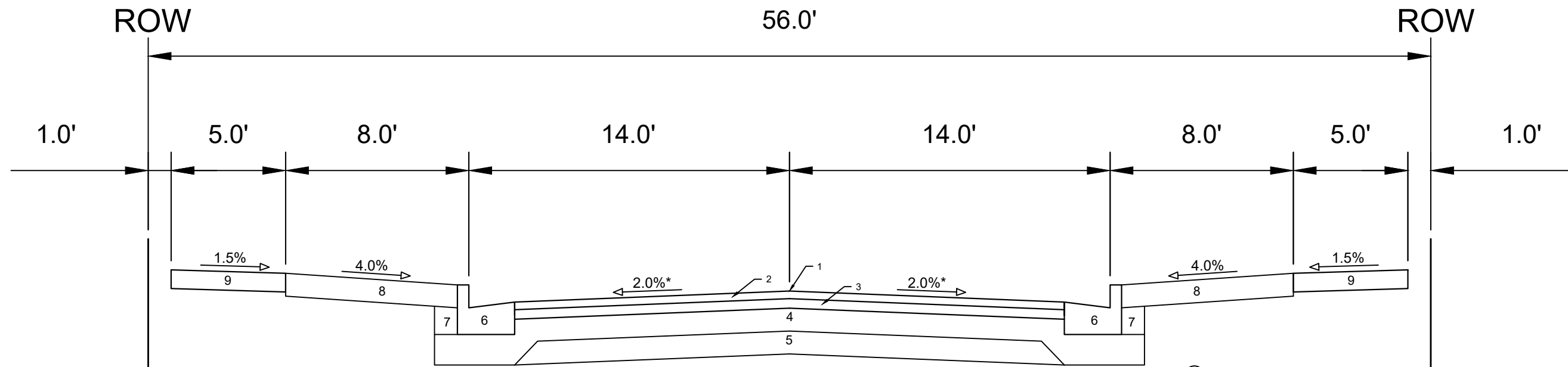


**SPECIAL NOTES:**

\*SEE P & X SHEETS FOR CROSS SLOPES

**TYPICAL SECTION  
WINDY WILLOW ROAD  
VELVET WILLOW ROAD**

- ① POINT REFERRED TO ON 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

**TYPICAL SECTION  
CLEAR POND WAY**

- ① POINT REFERRED TO ON PROFILE
- ② 2.0" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S
- ③ 2.5" 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

DATE	BY
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14926  
MADISON, WI  
9383  
CONTRACT NO:

TYPICAL SECTIONS  
EAGLE TRACE - PHASE 7  
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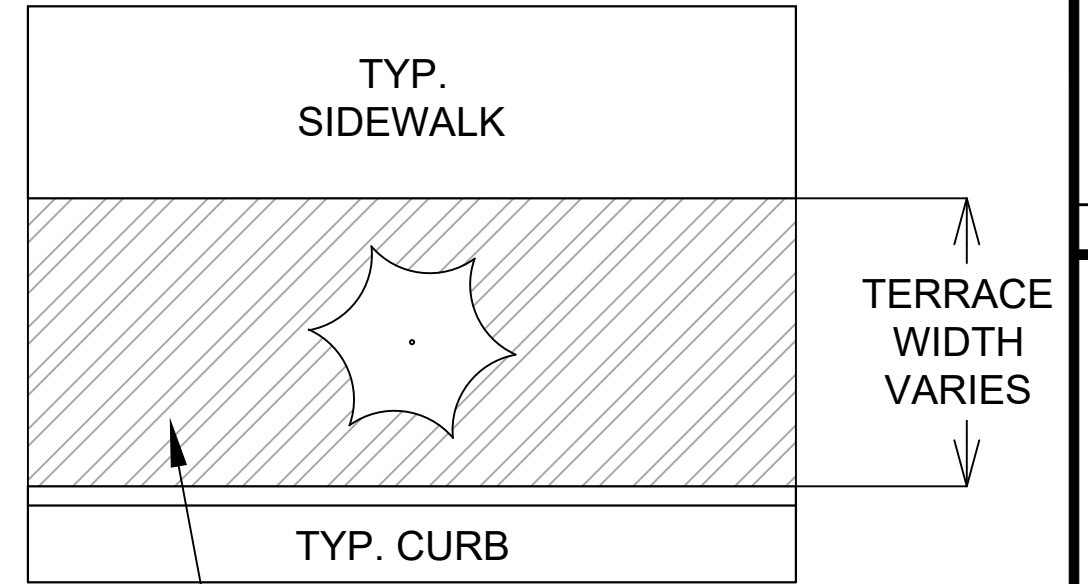


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D-2

**TERRACE EXCAVATION FOR TREE PLANTING:**

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

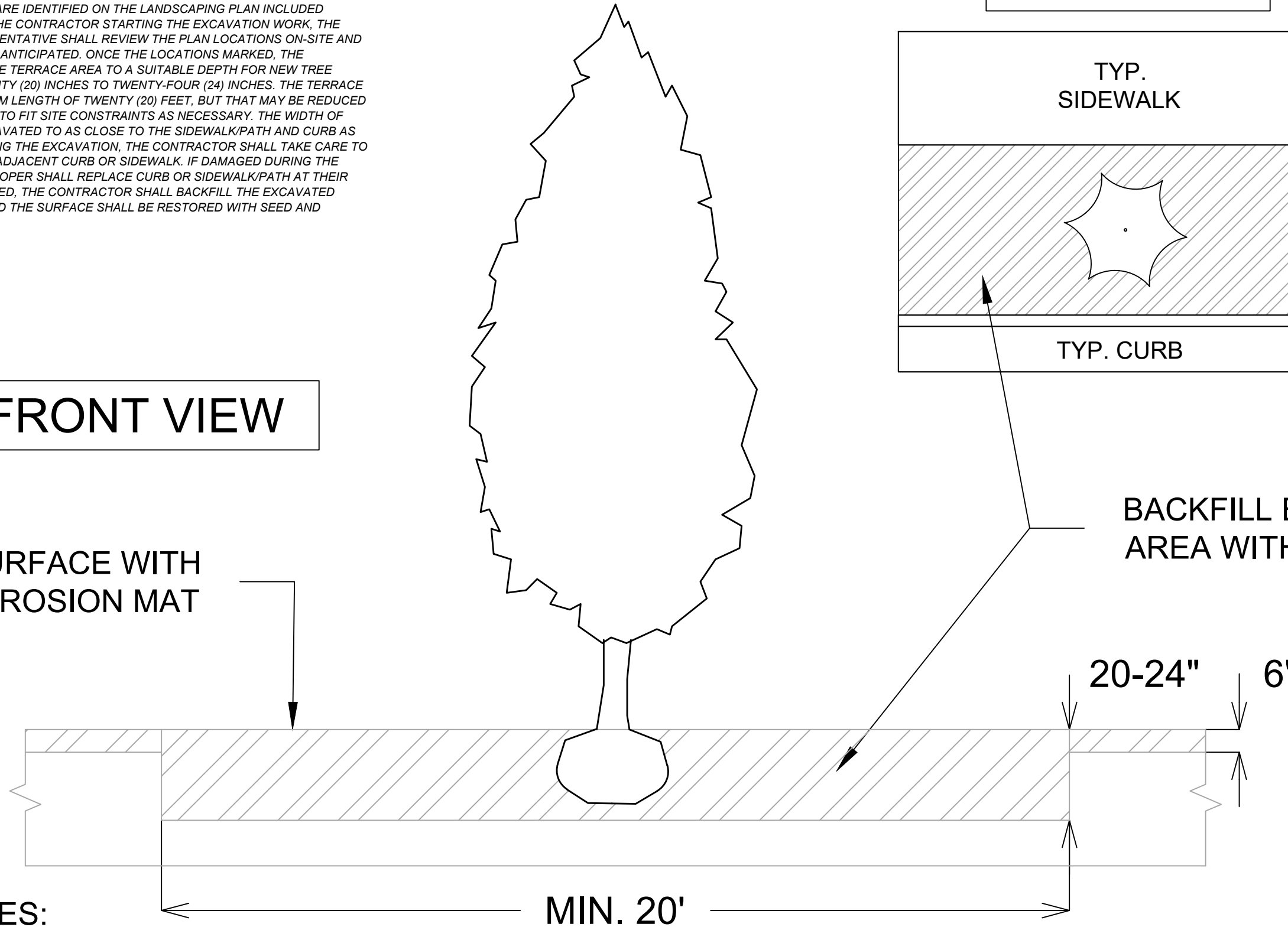
**TOP VIEW**



**FRONT VIEW**

RESTORE SURFACE WITH SEED AND EROSION MAT

BACKFILL EXCAVATED AREA WITH TOPSOIL



**SPECIAL NOTES:**

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

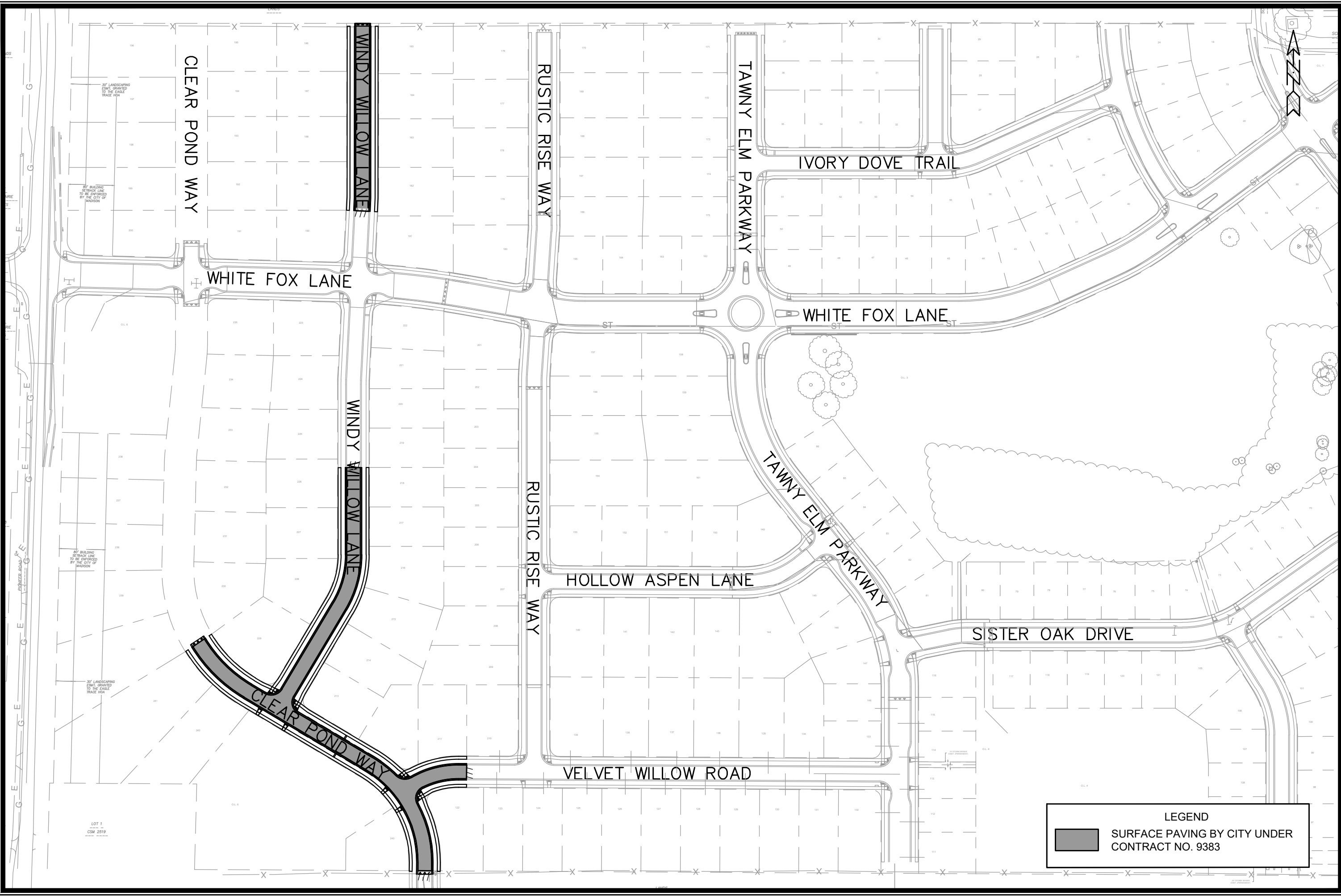
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MADISON, WI  
9383  
CONTRACT NO:

TERRACE EXCAVATION DETAIL  
EAGLE TRACE - PHASE 7  
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D-3



**LEGEND**  
 ■ SURFACE PAVING BY CITY UNDER CONTRACT NO. 9383

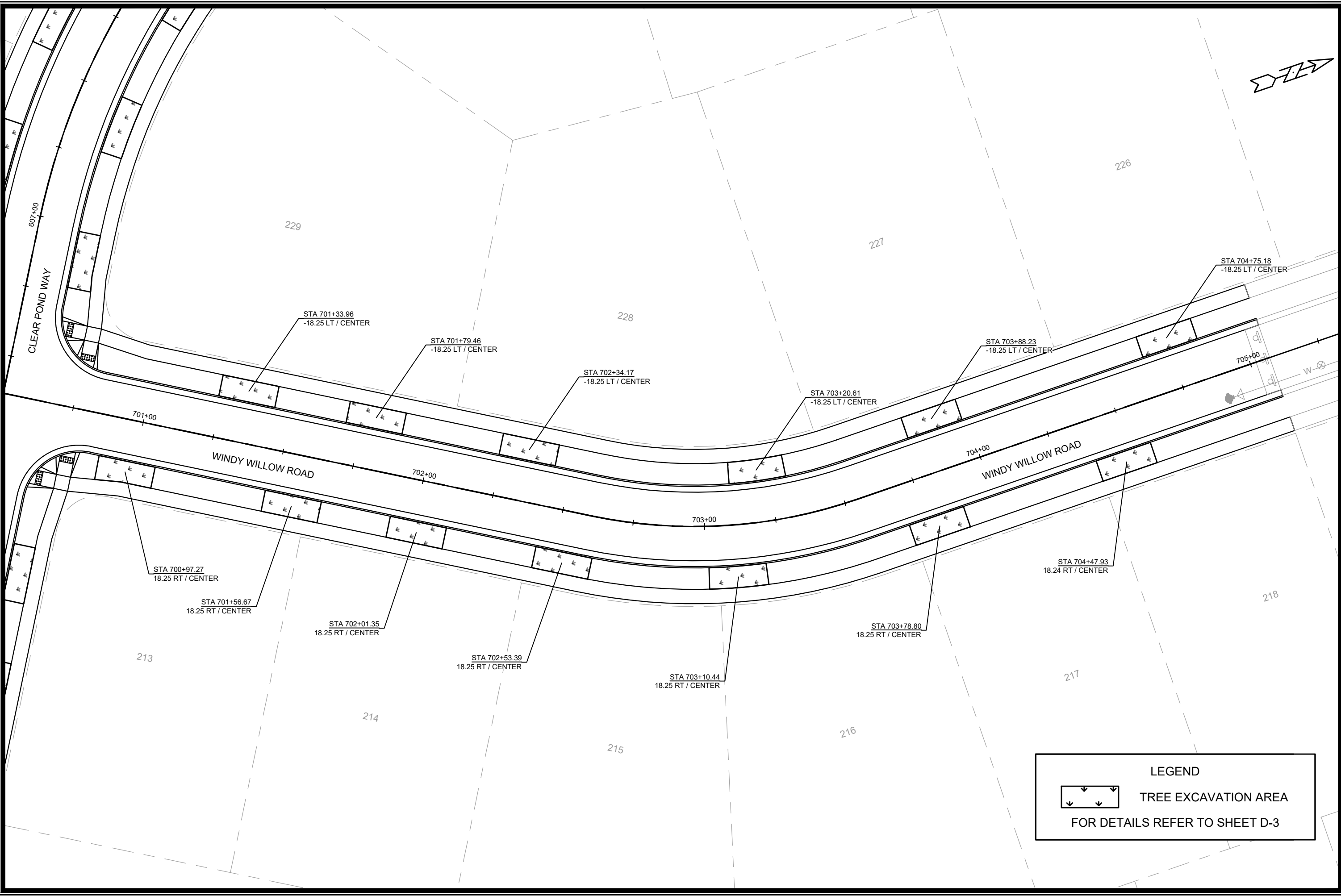
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 MADISON, WI  
 CONTRACT NO: 9383

OVERVIEW PLAN  
 EAGLE TRACE - PHASE 7  
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**LEGEND**

TREE EXCAVATION AREA

FOR DETAILS REFER TO SHEET D-3

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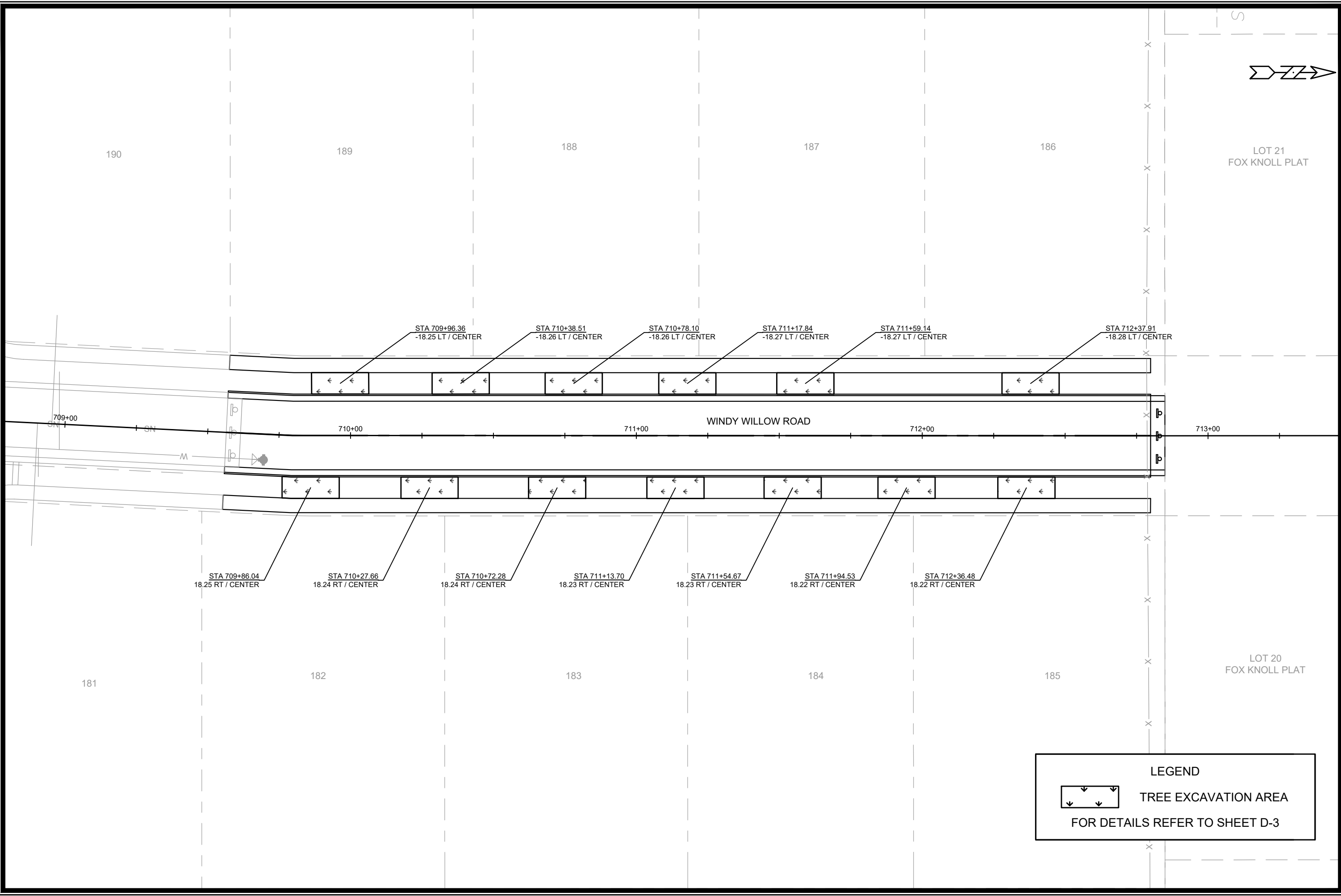
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**MADISON, WI**  
**9383**  
**CONTRACT NO:**

**LANDSCAPING PLAN - WINDY WILLOW ROAD**  
**EAGLE TRACE - PHASE 7**

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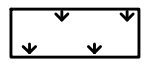
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**L-2**



STA 709+96.36 -18.25 LT / CENTER  
 STA 710+38.51 -18.26 LT / CENTER  
 STA 710+78.10 -18.26 LT / CENTER  
 STA 711+17.84 -18.27 LT / CENTER  
 STA 711+59.14 -18.27 LT / CENTER  
 STA 712+37.91 -18.28 LT / CENTER  
 STA 709+86.04 18.25 RT / CENTER  
 STA 710+27.66 18.24 RT / CENTER  
 STA 710+72.28 18.24 RT / CENTER  
 STA 711+13.70 18.23 RT / CENTER  
 STA 711+54.67 18.23 RT / CENTER  
 STA 711+94.53 18.22 RT / CENTER  
 STA 712+36.48 18.22 RT / CENTER

**LEGEND**


**TREE EXCAVATION AREA**  
 FOR DETAILS REFER TO SHEET D-3

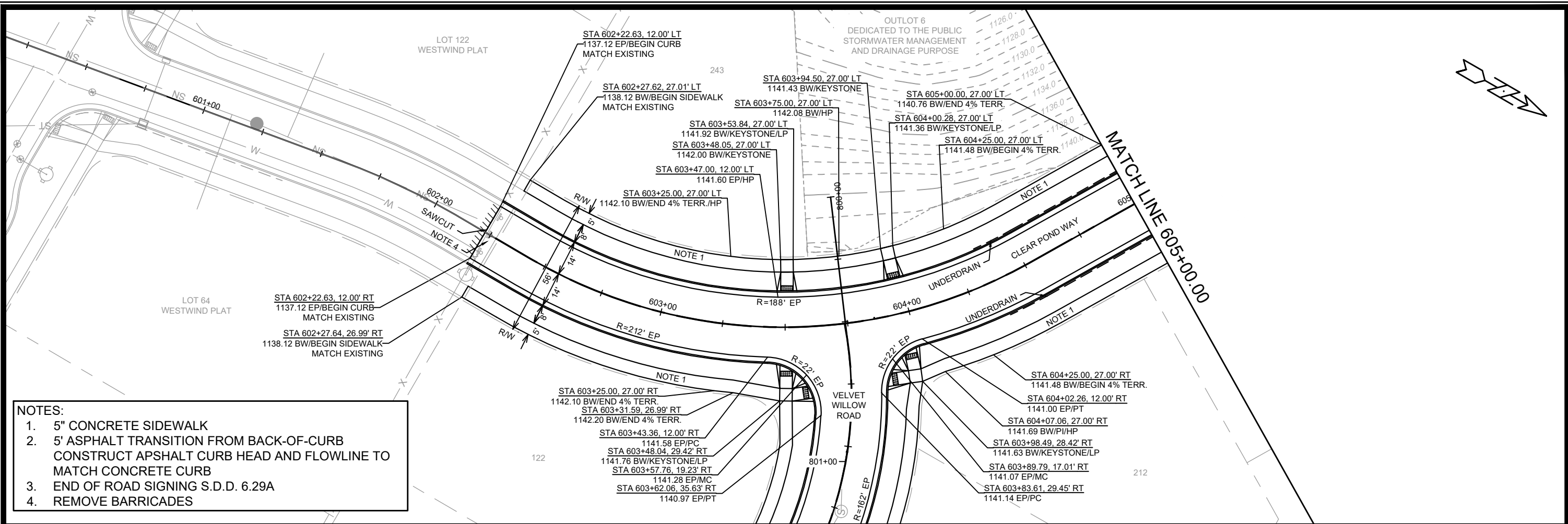
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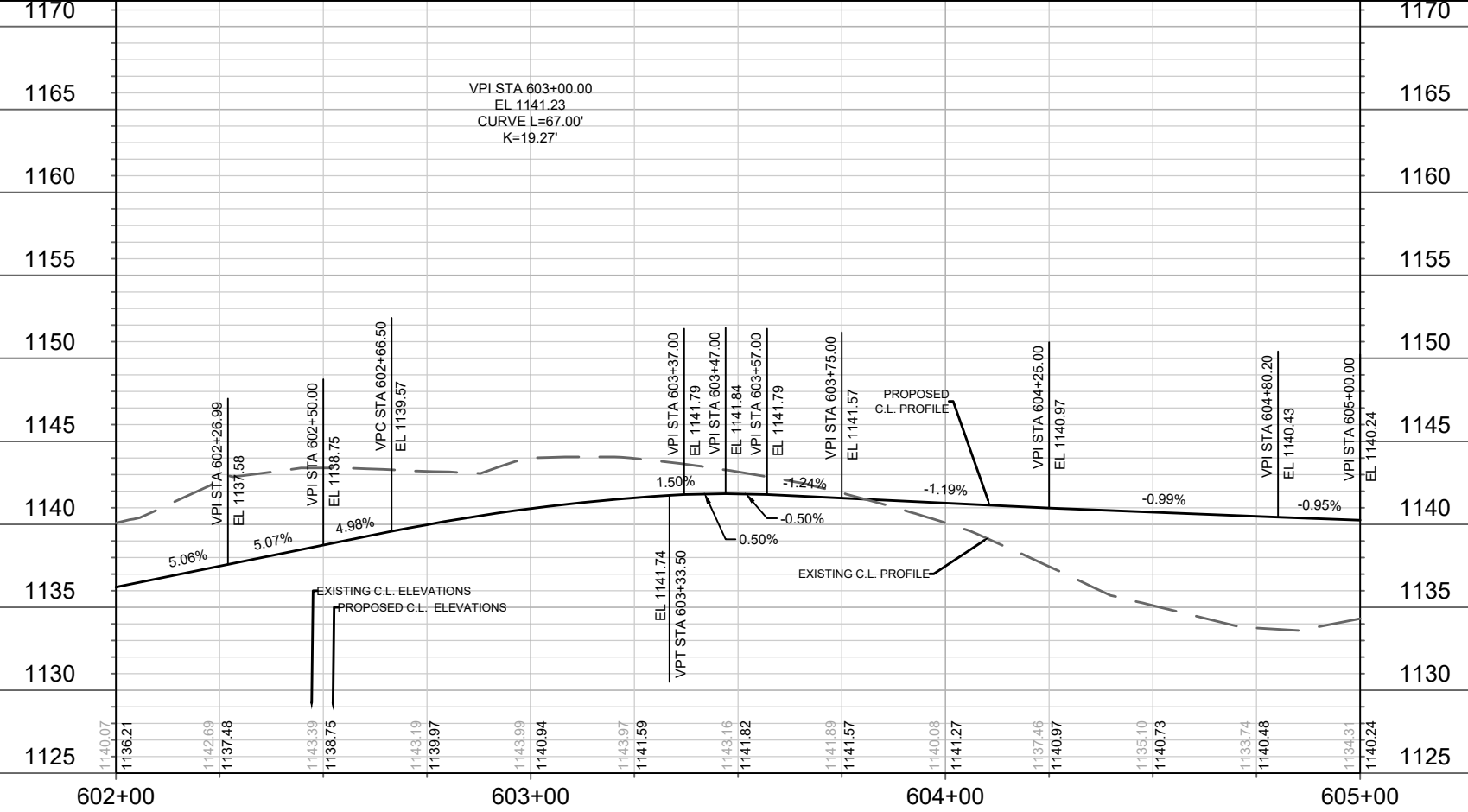
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 9383  
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 LANDSCAPING PLAN - WINDY WILLOW ROAD  
 EAGLE TRACE - PHASE 7  
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 14926  
 L-3





- NOTES:**
1. 5" CONCRETE SIDEWALK
  2. 5' ASPHALT TRANSITION FROM BACK-OF-CURB CONSTRUCT APSHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB
  3. END OF ROAD SIGNING S.D.D. 6.29A
  4. REMOVE BARRICADES

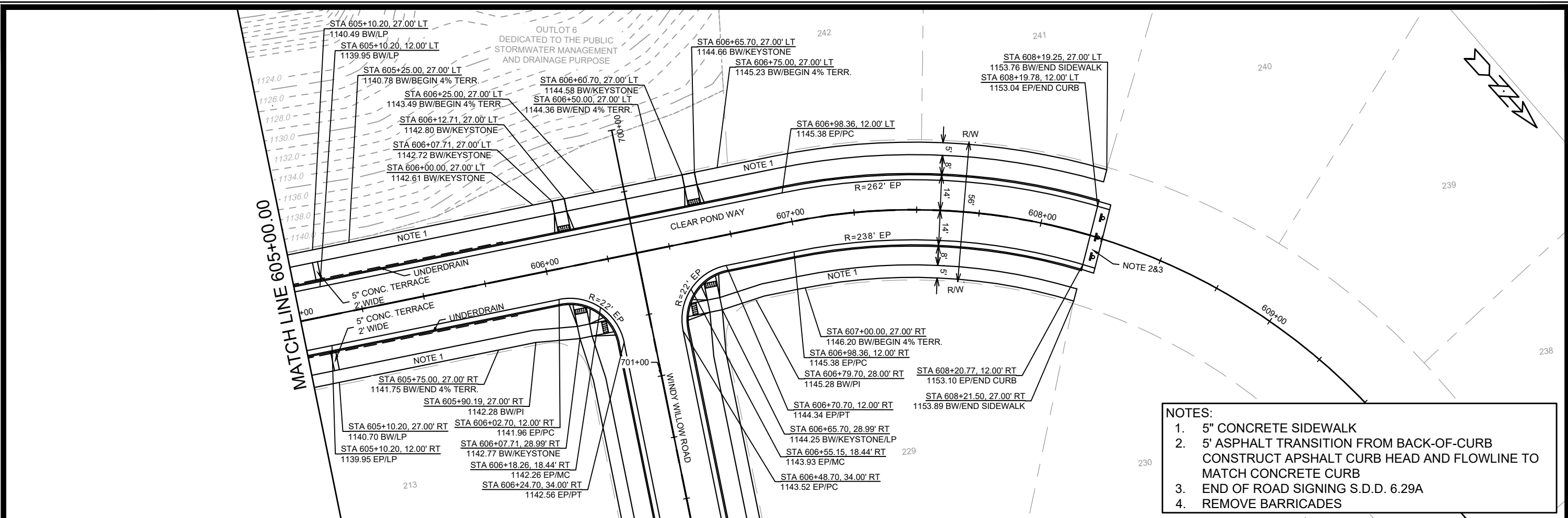


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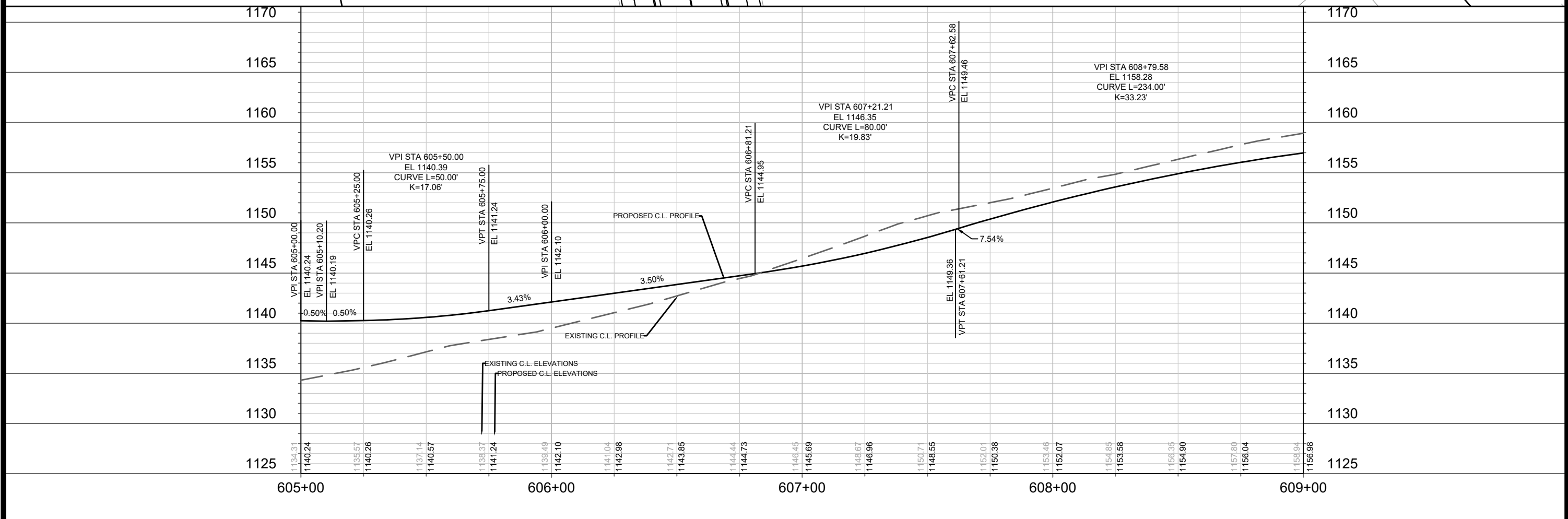
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MADISON, WI  
CONTRACT NO: 9383

PLAN AND PROFILE - CLEAR POND WAY  
EAGLE TRACE - PHASE 7  
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- NOTES:**
1. 5" CONCRETE SIDEWALK
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  3. END OF ROAD SIGNING S.D.D. 6.29A
  4. REMOVE BARRICADES

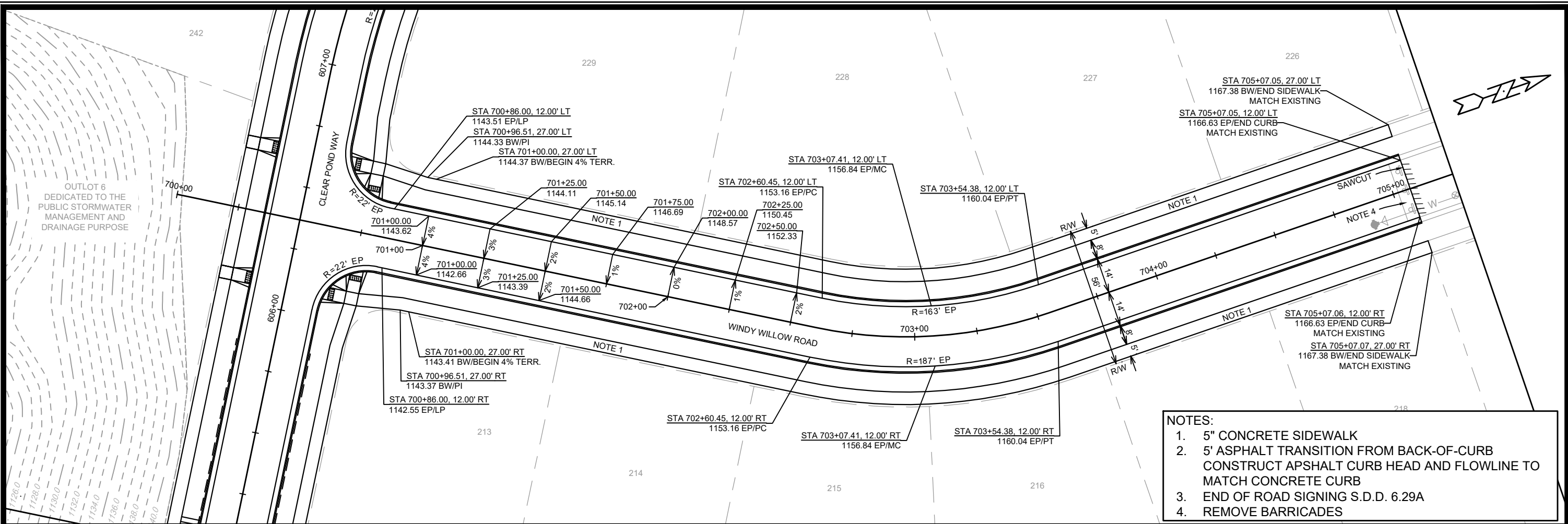


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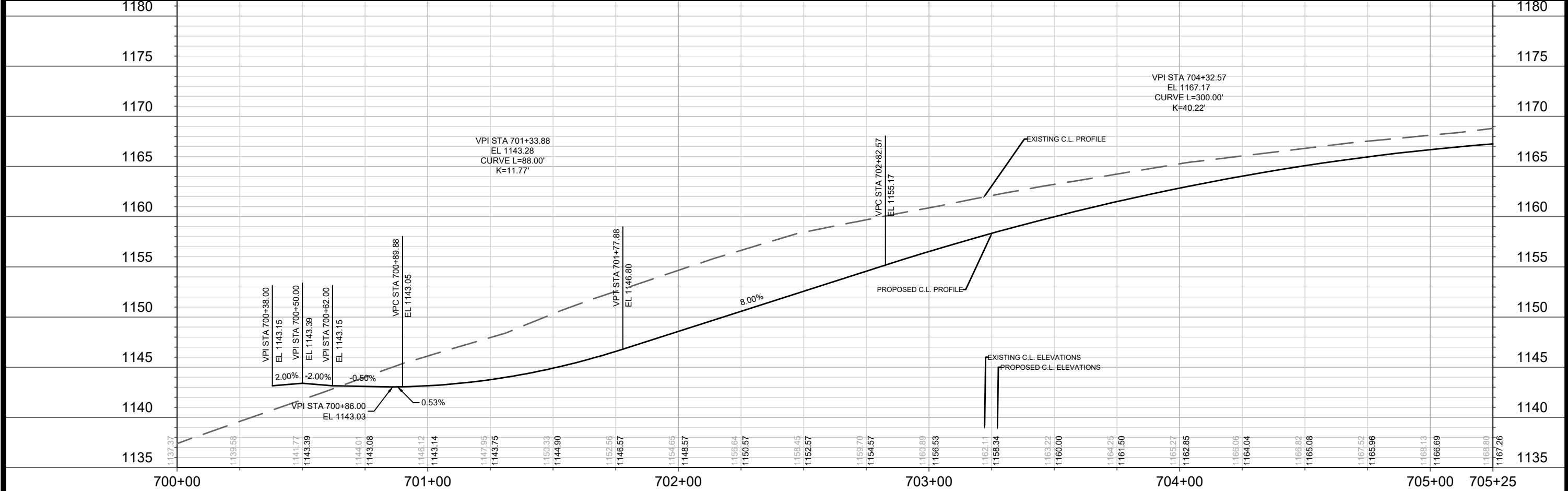
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MADISON, WI  
CONTRACT NO.: 9383  
P-2

PLAN AND PROFILE - CLEAR POND WAY  
EAGLE TRACE - PHASE 7  
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P-2



- NOTES:**
- 5" CONCRETE SIDEWALK
  - 5' ASPHALT TRANSITION FROM BACK-OF-CURB  
CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO  
MATCH CONCRETE CURB
  - END OF ROAD SIGNING S.D.D. 6.29A
  - REMOVE BARRICADES

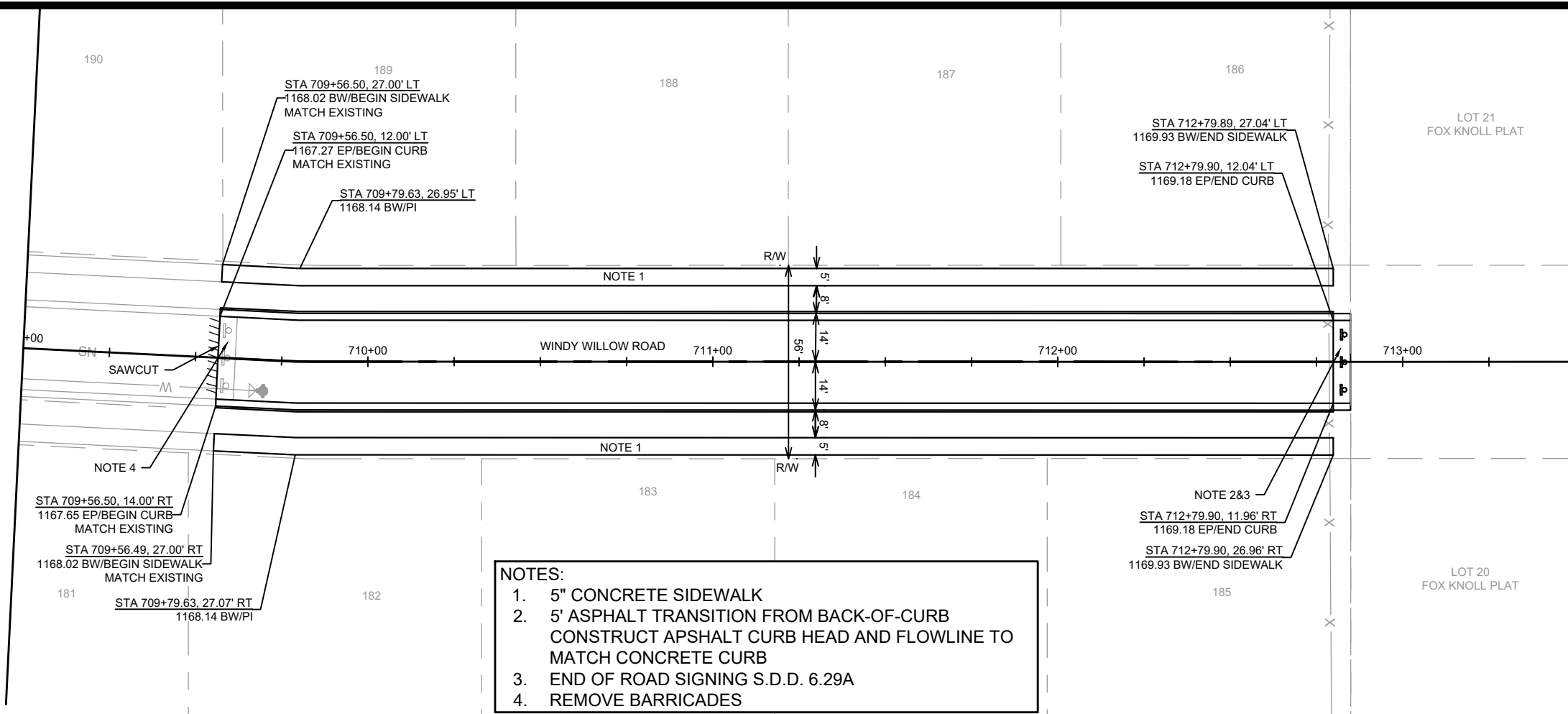


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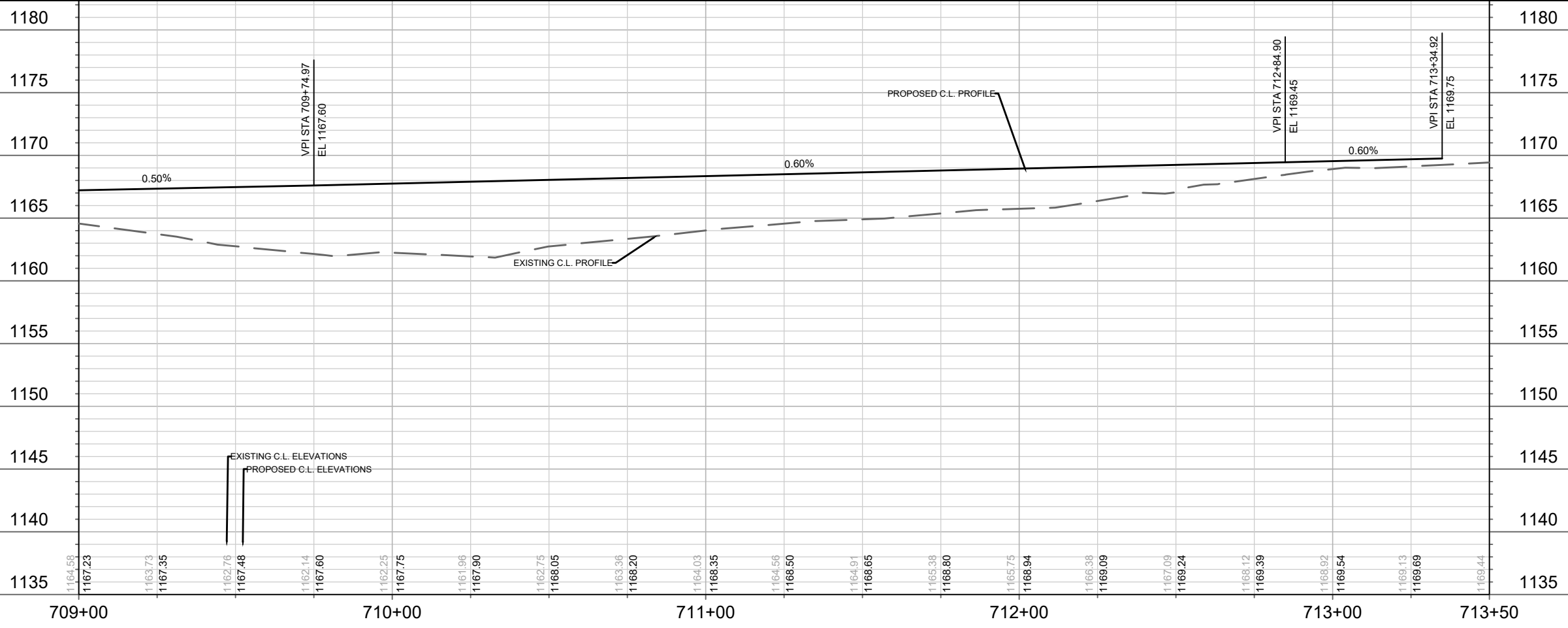
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9383  
CONTRACT NO:

PLAN AND PROFILE - WINDY WILLOW ROAD  
EAGLE TRACE - PHASE 7  
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P-3



- NOTES:**
1. 5" CONCRETE SIDEWALK
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  4. REMOVE BARRICADES

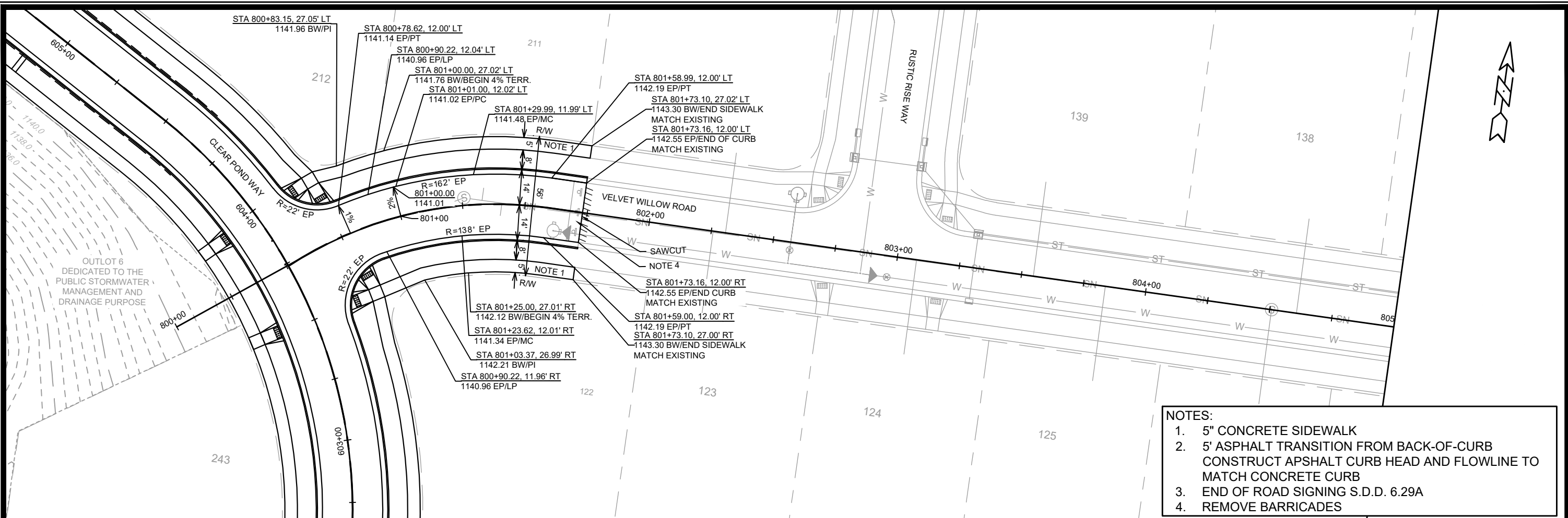


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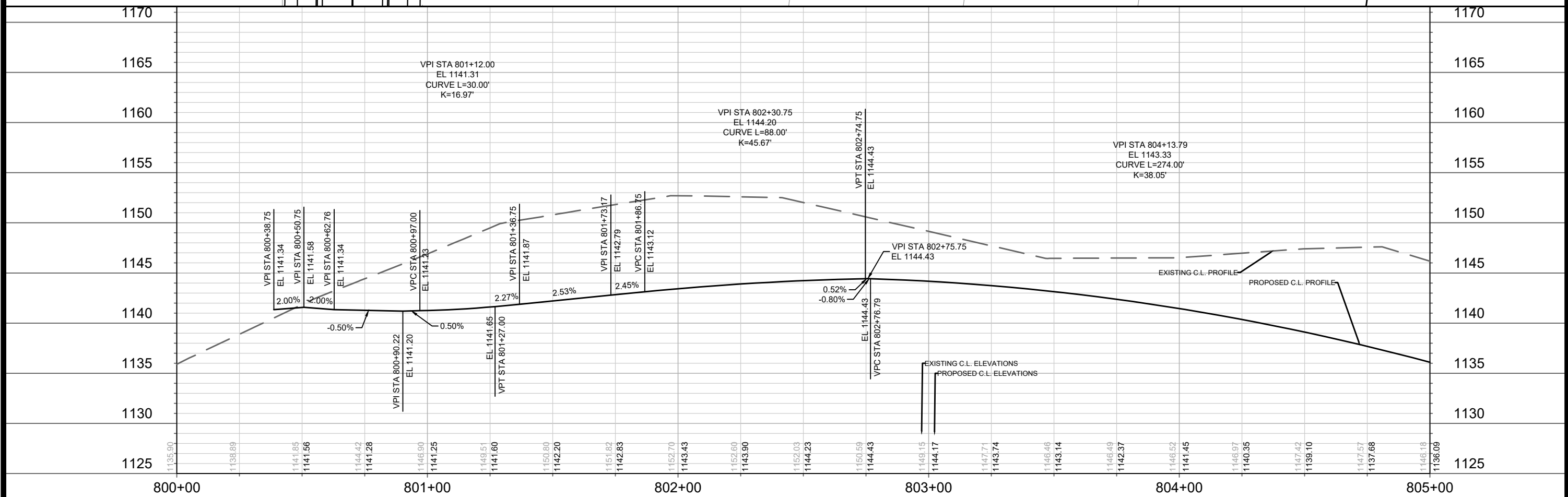
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EAGLE TRACE - PHASE 7  
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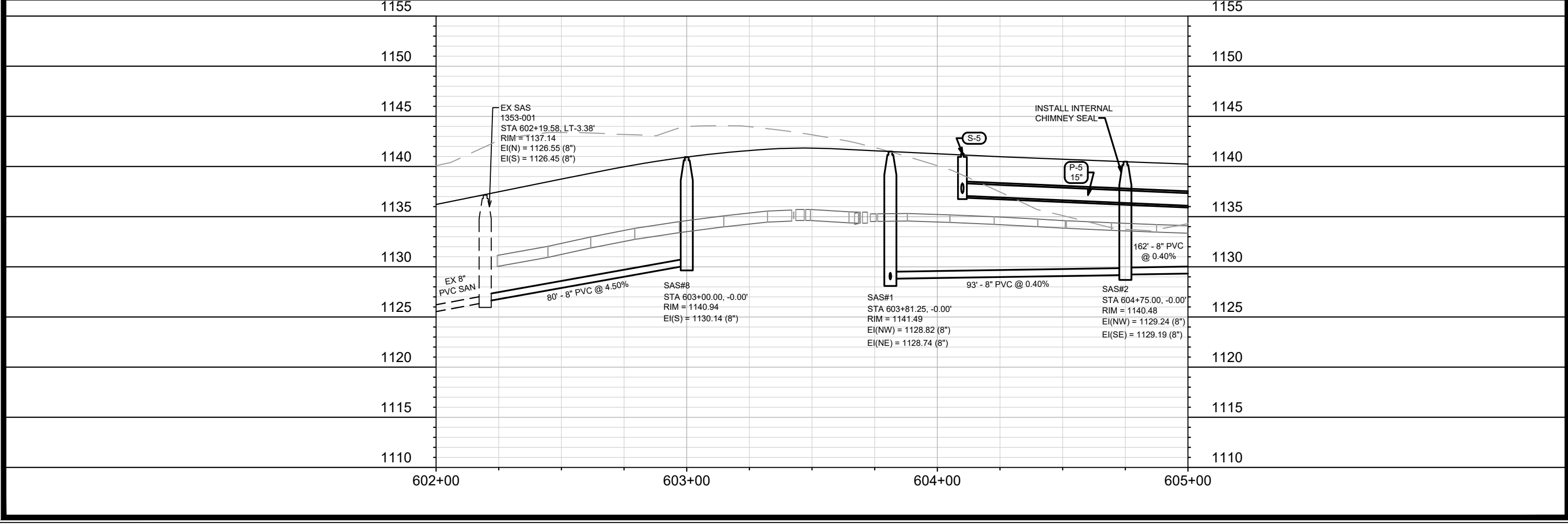
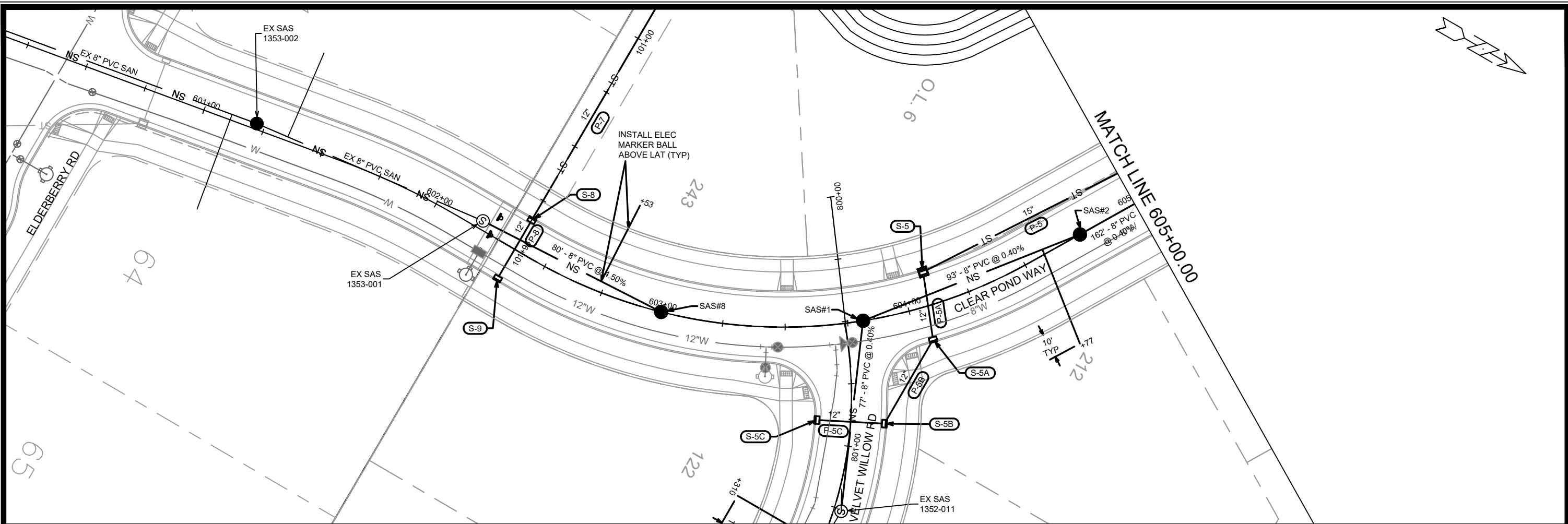




- NOTES:**
1. 5" CONCRETE SIDEWALK
  2. 5' ASPHALT TRANSITION FROM BACK-OF-CURB CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB
  3. END OF ROAD SIGNING S.D.D. 6.29A
  4. REMOVE BARRICADES



DATE	BY	Scale: 1" = 40'	P-5
REVISION	DATE		
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EAGLE TRACE - PHASE 7		CONTRACT NO: 9383	
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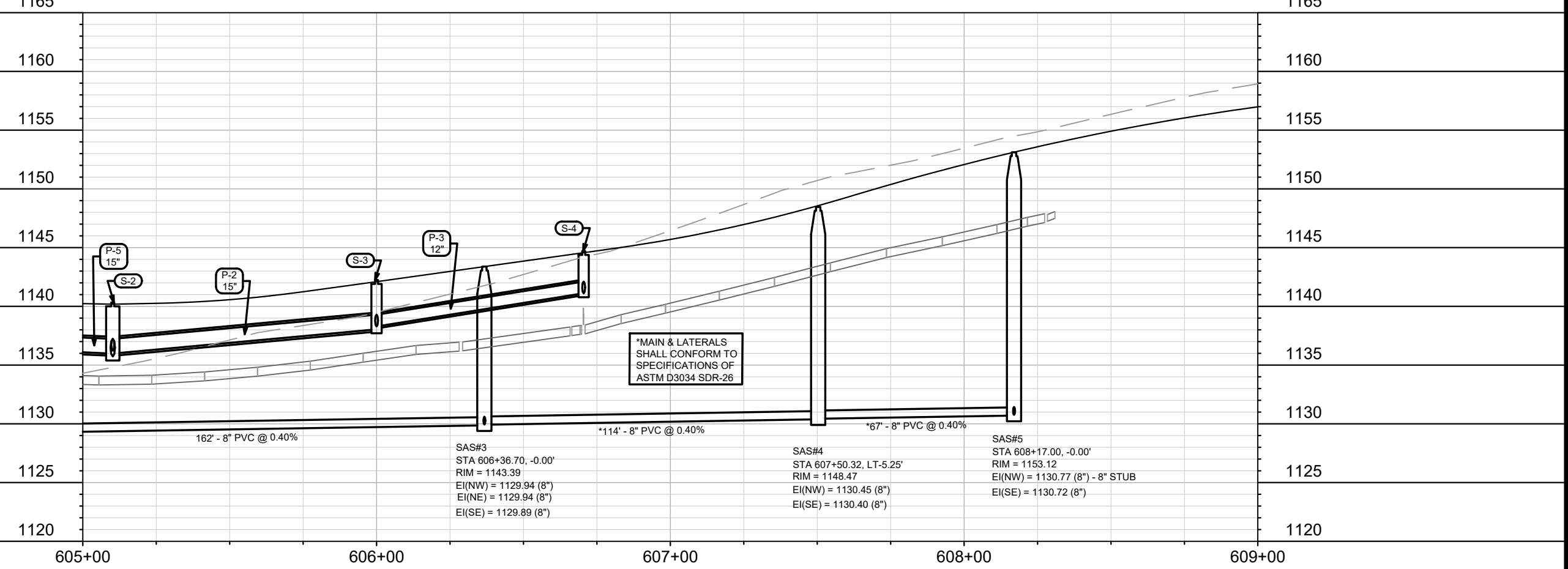
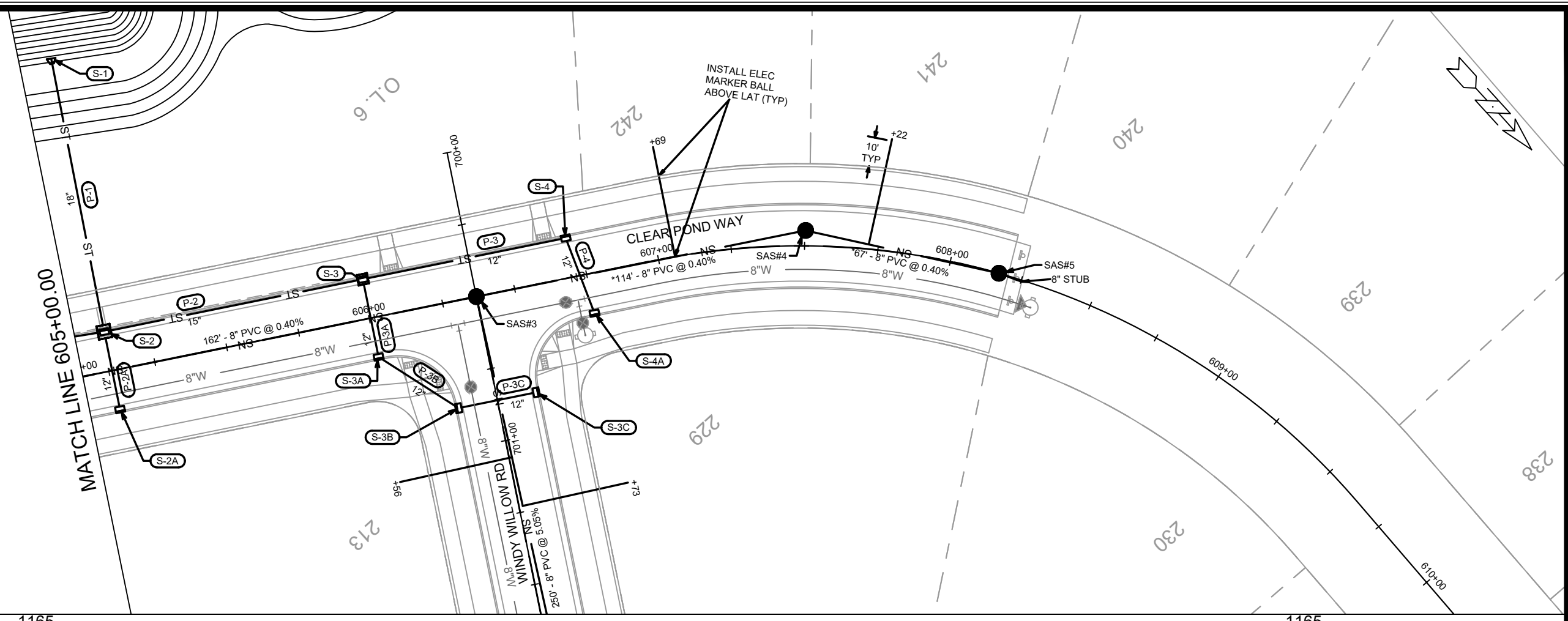
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14926  
MADISON, WI  
9383  
CONTRACT NO:

UTILITIES PLAN AND PROFILE - CLEAR POND WAY  
EAGLE TRACE - PHASE 7  
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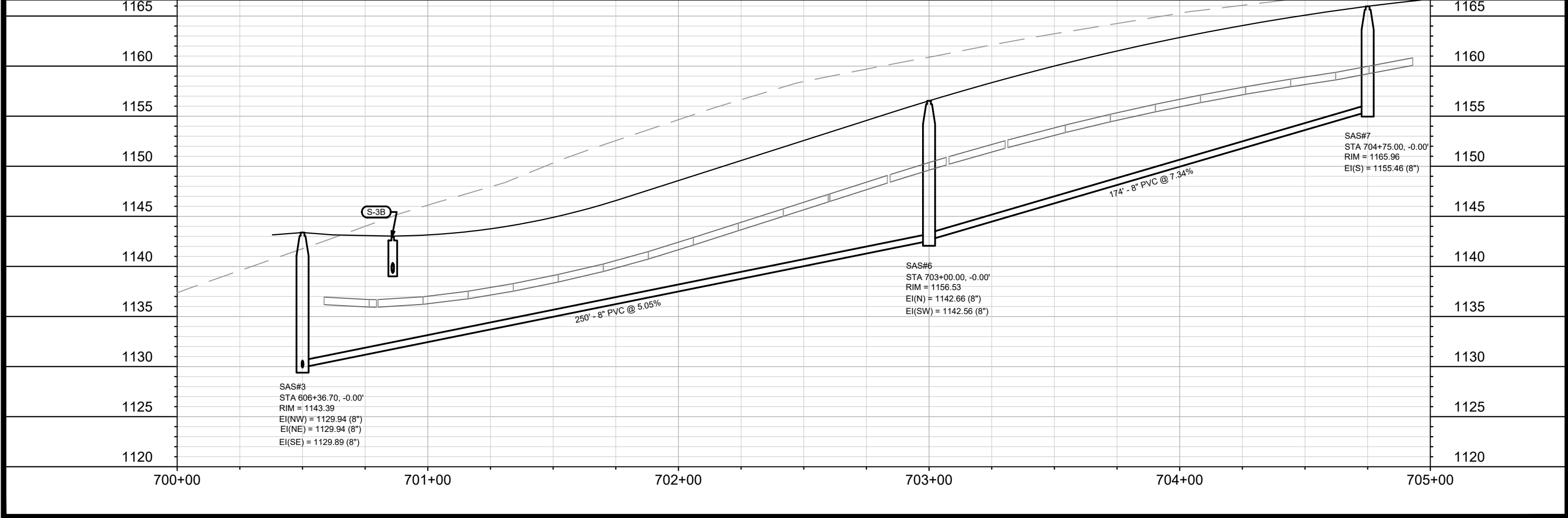
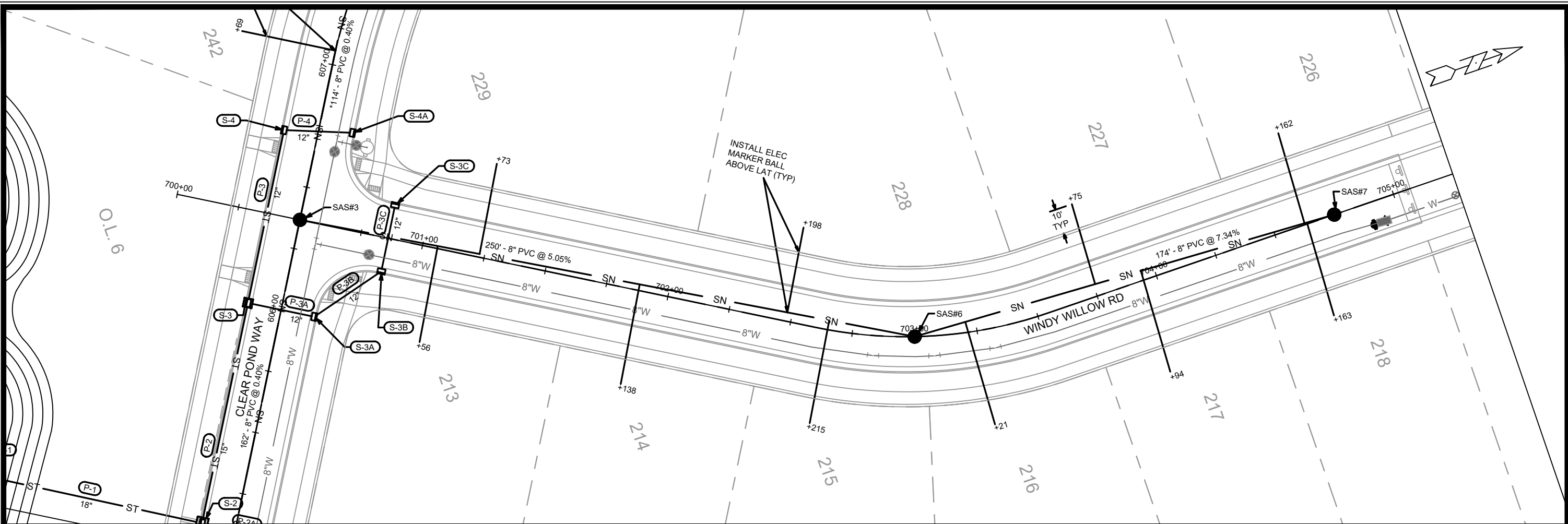


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14926	U-2	3/19/2024	11:27 AM

Designed By: EEA  
Scale: 1" = 40'

14926  
MADISON, WI  
CONTRACT NO: 9383

UTILITIES PLAN AND PROFILE - CLEAR POND WAY  
EAGLE TRACE - PHASE 7  
M:\DESIGN\Projects\14926\CAD\Servers\14926SWR\PipeNetwork.dwg



SAS#3  
 STA 606+36.70, -0.00'  
 RIM = 1143.39  
 EI(NW) = 1129.94 (8")  
 EI(NE) = 1129.94 (8")  
 EI(SE) = 1129.89 (8")

SAS#6  
 STA 703+00.00, -0.00'  
 RIM = 1156.53  
 EI(N) = 1142.66 (8")  
 EI(SW) = 1142.56 (8")

SAS#7  
 STA 704+75.00, -0.00'  
 RIM = 1165.96  
 EI(S) = 1155.46 (8")

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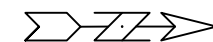
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 MADISON, WI  
 CONTRACT NO: 9383

UTILITIES PLAN AND PROFILE - WINDY WILLOW ROAD  
 EAGLE TRACE - PHASE 7  
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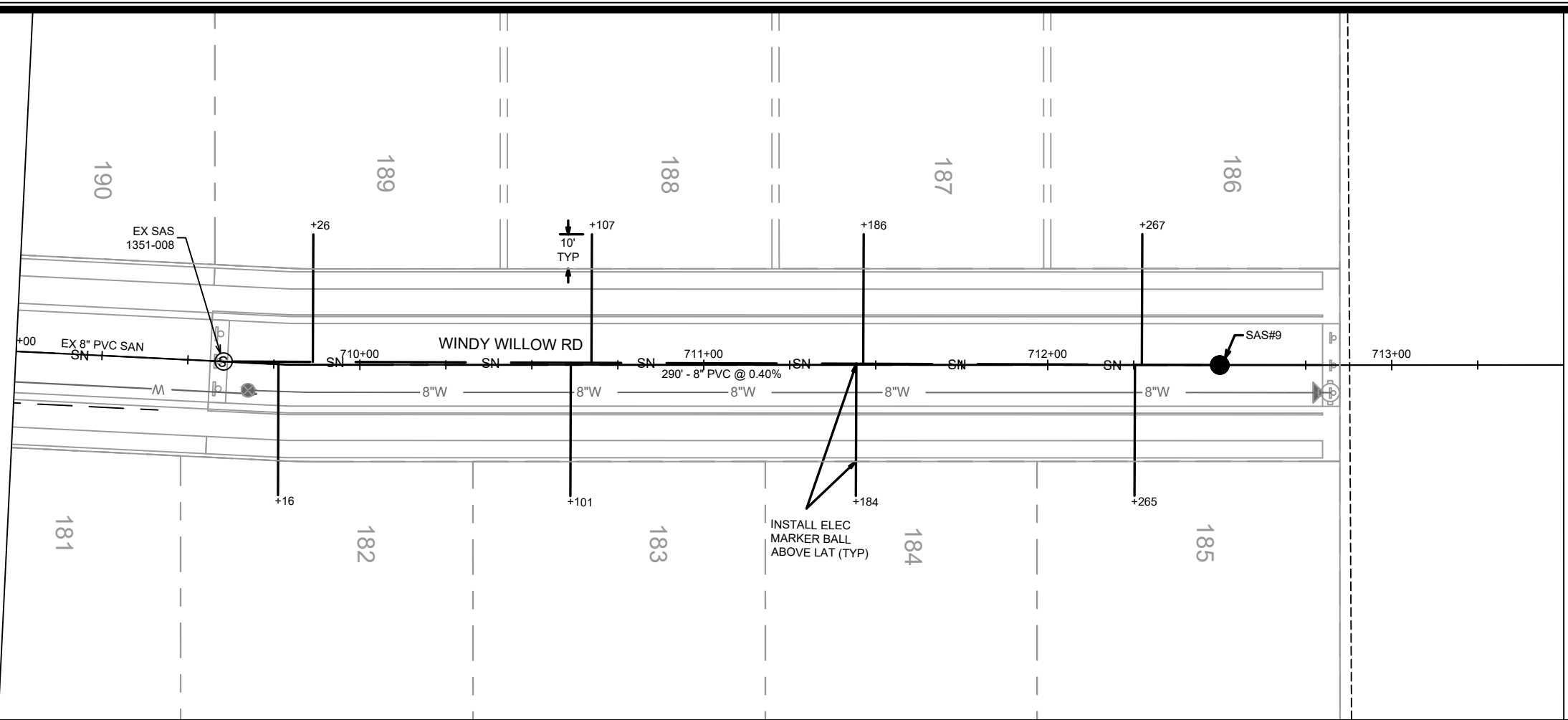


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WHITE FOX LN



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1175

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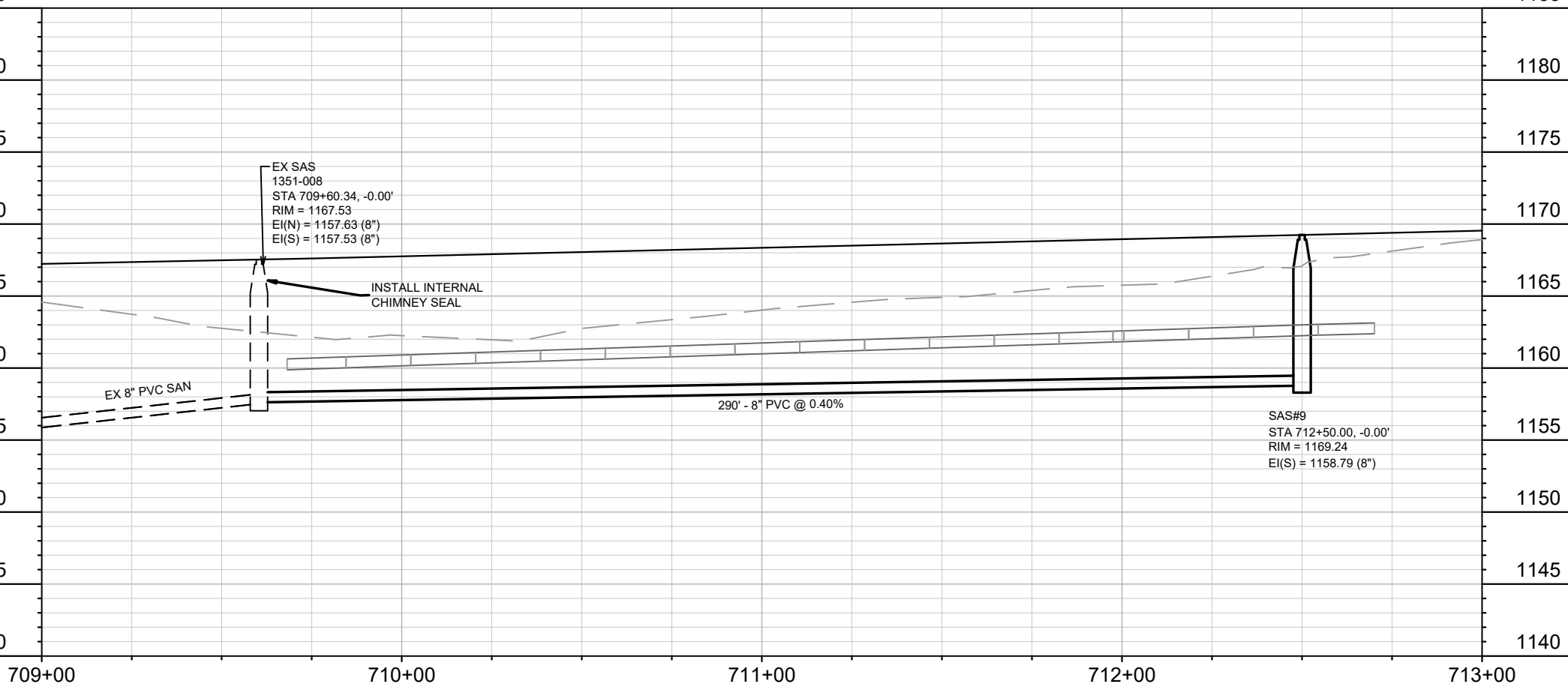
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1155

1150

1145

1140



709+00

710+00

711+00

712+00

713+00

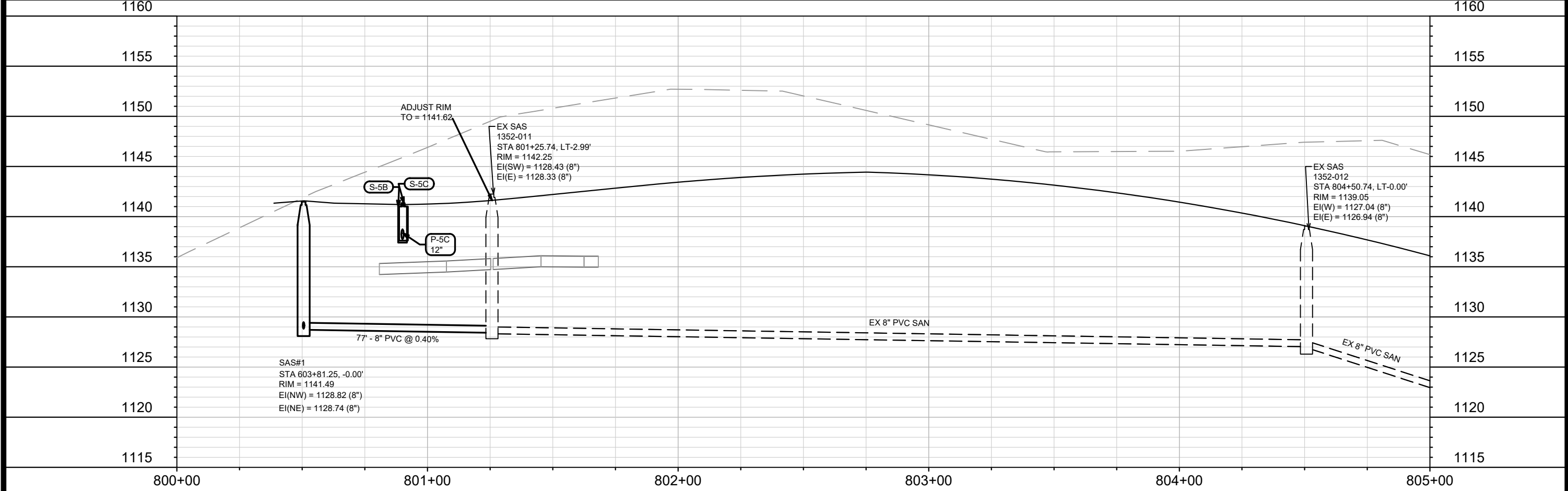
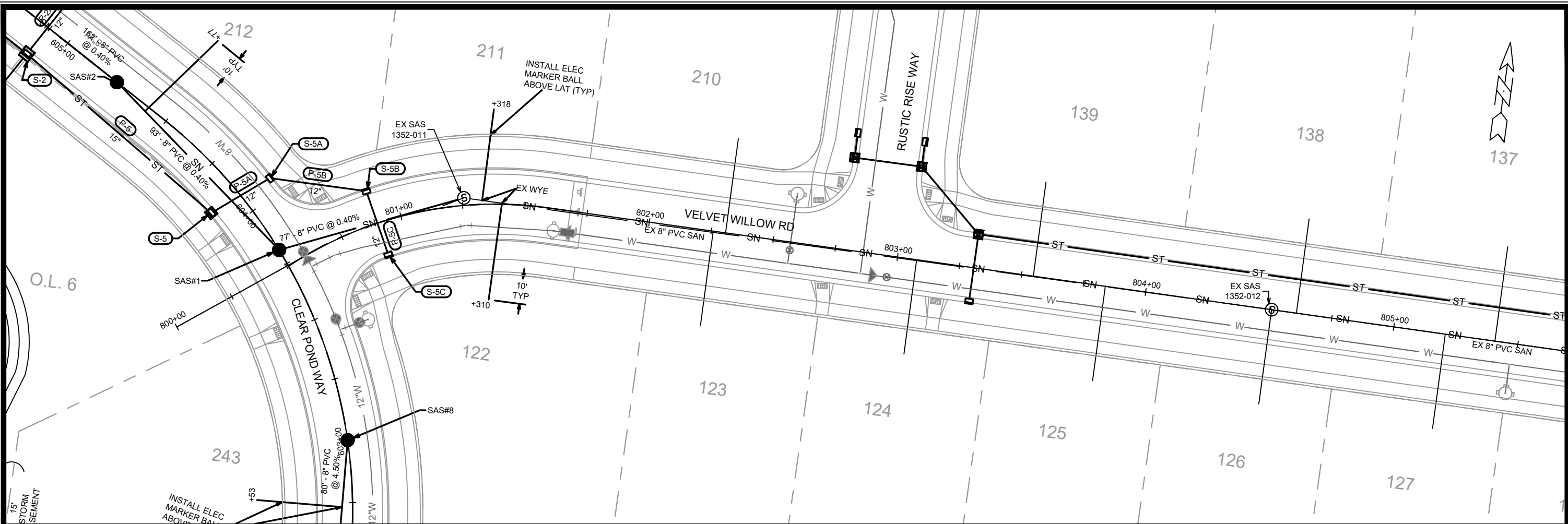
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14926  
 MADISON, WI  
 CONTRACT NO: 9383

UTILITIES PLAN AND PROFILE - WINDY WILLOW ROAD  
 EAGLE TRACE - PHASE 7  
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14926  
 U-4



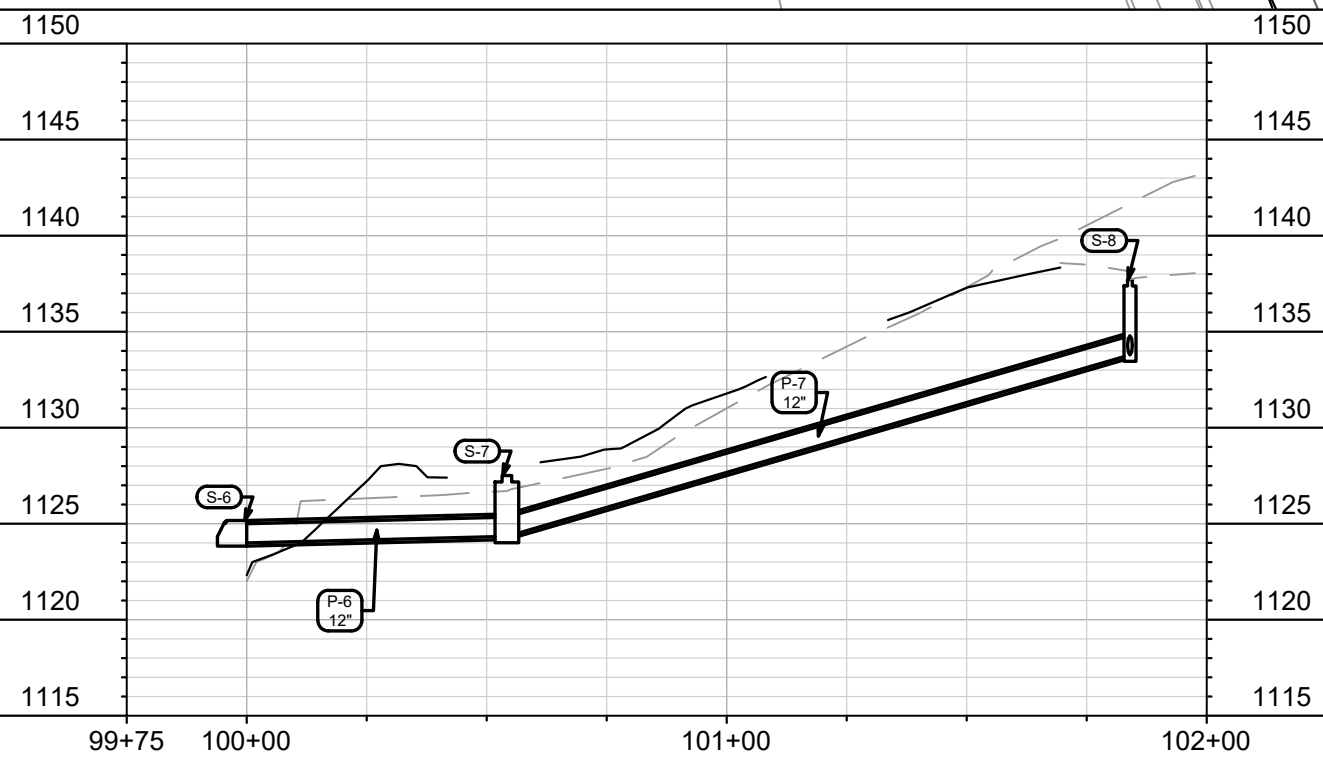
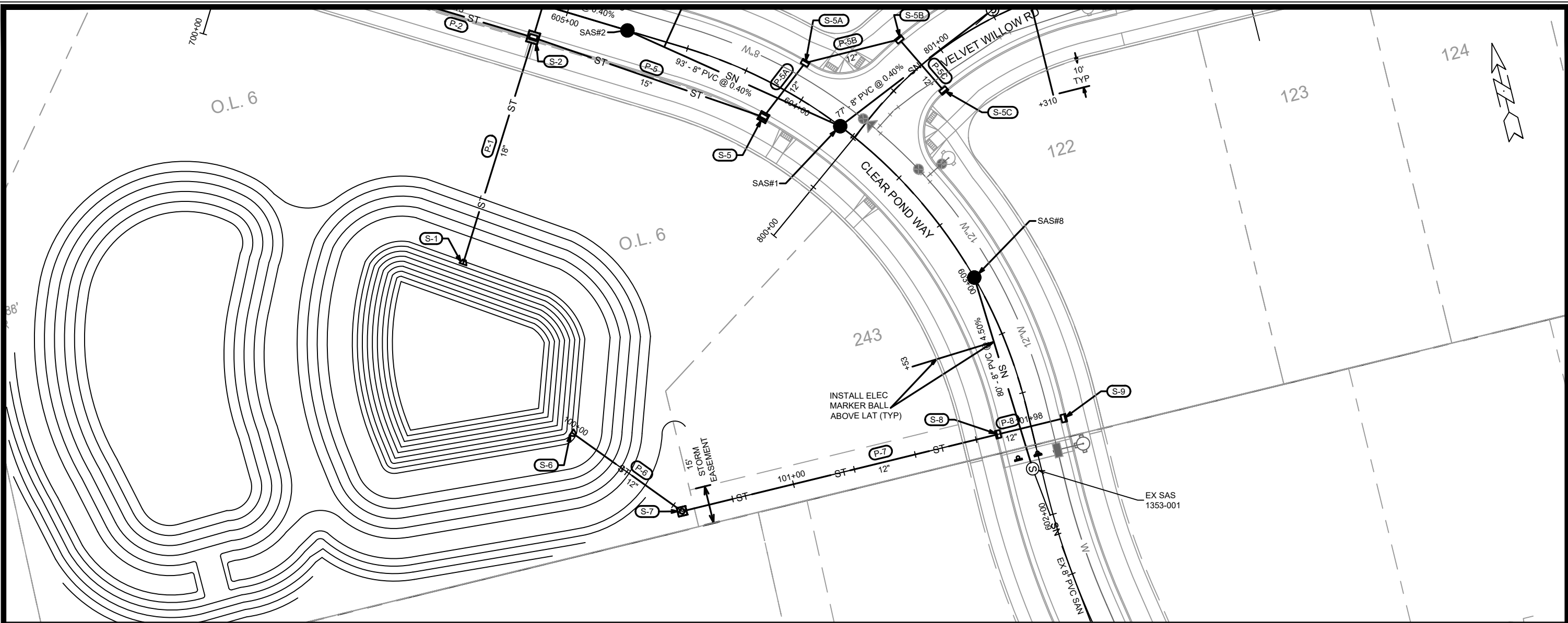
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MADISON, WI  
9383  
CONTRACT NO:

UTILITIES PLAN AND PROFILE - VELVET WILLOW ROAD  
EAGLE TRACE - PHASE 7  
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14926  
U-5



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14926  
 MADISON, WI  
 CONTRACT NO: 9383

UTILITIES PLAN AND PROFILE - STORM EASEMENT  
 EAGLE TRACE - PHASE 7  
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14926  
 U-6

# SANITARY SEWER SCHEDULE

EAGLE TRACE PHASE 7

SHEET NO.

PROJECT NO. 14926

U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
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### CLEAR POND WAY

SAS#1	603+81.25	CL	1141.49	1128.74	12.75	-
SAS#2	604+75.00	CL	1140.48	1129.19	11.29	(1)
SAS#3	606+36.70	CL	1143.39	1129.89	13.50	-
SAS#4	607+50.32	LT-5.25	1148.47	1130.40	18.07	-
SAS#5	608+17.00	CL	1153.12	1130.72	22.40	-

SAS#8	603+00.00	CL	1140.64	1130.14	10.50	-
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### WINDY WILLOW ROAD

SAS#6	703+00.00	CL	1156.53	1142.56	13.97	-
SAS#7	704+75.00	CL	1165.96	1155.46	10.50	-
SAS#9	712+50.00	CL	1169.24	1158.79	10.45	-

## ADJUST SANITARY STRUCTURES

STRUC. ID NO.	STATION	LOCATION (OFFSET)	EX. RIM	PROP. RIM	NOTES
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### VELVET WILLOW ROAD

1352-011	801+25.74	LT-3.00	1142.25	1141.62	-
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### WINDY WILLOW ROAD

1351-008	709+60.34	CL	-	-	(1)
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## SPECIFIC NOTES:

(1) INSTALL INTERNAL CHIMNEY SEAL

## 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.

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
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EX SAS 1352-011	SAS#1	1128.43	1128.74	77	0.40%	8"	SDR-35	-
SAS#1	SAS#2	1128.82	1129.19	93	0.40%	8"	SDR-35	-
SAS#2	SAS#3	1129.24	1129.89	162	0.40%	8"	SDR-35	-
SAS#3	SAS#4	1129.94	1130.40	114	0.40%	8"	SDR-26	-
SAS#4	SAS#5	1130.45	1130.72	67	0.40%	8"	SDR-26	-

EX SAS 1353-001	SAS#8	1126.55	1130.14	80	4.50%	8"	SDR-35	-
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SAS#3	SAS#6	1129.94	1142.56	250	5.05%	8"	SDR-35	-
SAS#6	SAS#7	1142.66	1155.46	174	7.34%	8"	SDR-35	-

EX SAS 1351-008	SAS#9	1157.63	1158.79	290	0.40%	8"	SDR-35	-
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# STORM SEWER SCHEDULE

EAGLE TRACE PHASE 7	SHEET NO.
PROJECT NO. 14926	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>CLEAR POND WAY</b>							
S-1	605+11.00	LT-108.27	18" RCP APRON END	-	1124.00	-	W/ GATE
S-2	605+10.20	LT-13.50	4X4 SAS	1140.33	1135.73	4.60	LP; W/ R-3067-7004-VB
S-2A	605+10.20	RT-13.50	H INLET	1140.33	1136.73	3.60	LP; W/ R-3067-7004-VB
S-3	606+00.00	LT-13.50	3X3 SAS	1142.24	1138.04	4.20	W/ R-3067-7004-V
S-3A	606+00.00	RT-13.50	H INLET	1142.24	1138.64	3.60	W/ R-3067-7004-V
S-4	606+70.50	LT-13.50	H INLET	1144.71	1141.11	3.60	W/ R-3067-7004-V
S-4A	606+75.00	RT-13.50	H INLET	1144.87	1141.47	3.40	W/ R-3067-7004-V
S-5	604+10.00	LT-13.50	3X3 SAS	1141.28	1137.08	4.20	W/ R-3067-7004-V
S-5A	604+06.00	RT-13.50	H INLET	1141.32	1137.52	3.80	W/ R-3067-7004-V
S-8	602+36.21	LT-13.50	H INLET	1138.18	1133.79	4.39	W/ R-3067-7004-V
S-9	602+36.21	RT-13.50	H INLET	1138.18	1133.99	4.19	W/ R-3067-7004-V
<b>WINDY WILLOW RD</b>							
S-3B	700+86.00	RT-13.50	H INLET	1142.94	1139.34	3.60	LP; W/ R-3067-7004-VB
S-3C	700+86.00	LT-13.50	H INLET	1143.90	1140.50	3.40	LP; W/ R-3067-7004-VB
<b>VELVET WILLOW RD</b>							
S-5B	800+90.07	LT-13.54	H INLET	1141.34	1137.74	3.60	W/ R-3067-7004-V
S-5C	800+90.39	RT-13.46	H INLET	1141.34	1137.94	3.40	LP; W/ R-3067-7004-VB
<b>STORM EASEMENT</b>							
S-6	100+00.00	CL	12" RCP APRON END	-	1124.00	-	W/ GATE
S-7	100+54.22	CL	H INLET	1127.50	1124.34	3.16	W/ R-1878-B7G

## 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>CLEAR POND WAY</b>										
P-1	S-1	S-2	1124.00	1135.73	96	95	12.35%	18"	TYPE II	-
P-2	S-2	S-3	1135.98	1138.04	90	87	2.37%	15"	TYPE II	-
P-2A	S-2	S-2A	1136.23	1136.73	27	25	2.00%	12"	TYPE I	-
P-3	S-3	S-4	1138.29	1141.11	71	68	4.15%	12"	TYPE II	-
P-3A	S-3	S-3A	1138.29	1138.64	27	25	1.40%	12"	TYPE I	-
P-4	S-4	S-4A	1141.11	1141.47	27	25	1.44%	12"	TYPE I	-
P-5	S-2	S-5	1135.98	1137.08	97	94	1.17%	15"	TYPE II	-
P-5A	S-5	S-5A	1137.33	1137.52	27	25	0.76%	12"	TYPE I	-
P-8	S-8	S-9	1133.79	1133.99	27	25	0.80%	12"	TYPE I	-
<b>WINDY WILLOW RD</b>										
P-3B	S-3A	S-3B	1138.64	1139.34	32	29	2.41%	12"	TYPE II	-
P-3C	S-3B	S-3C	1139.34	1140.50	27	25	4.64%	12"	TYPE I	-
<b>VELVET WILLOW RD</b>										
P-5B	S-5A	S-5B	1137.52	1137.74	39	36	0.61%	12"	TYPE II	-
P-5C	S-5B	S-5C	1137.74	1137.94	27	25	0.80%	12"	TYPE I	-
<b>STORM EASEMENT</b>										
P-6	S-6	S-7	1124.00	1124.34	54	52	0.65%	12"	TYPE II	-
P-7	S-7	S-8	1124.34	1133.79	130	127	7.44%	12"	TYPE II	-

## 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.

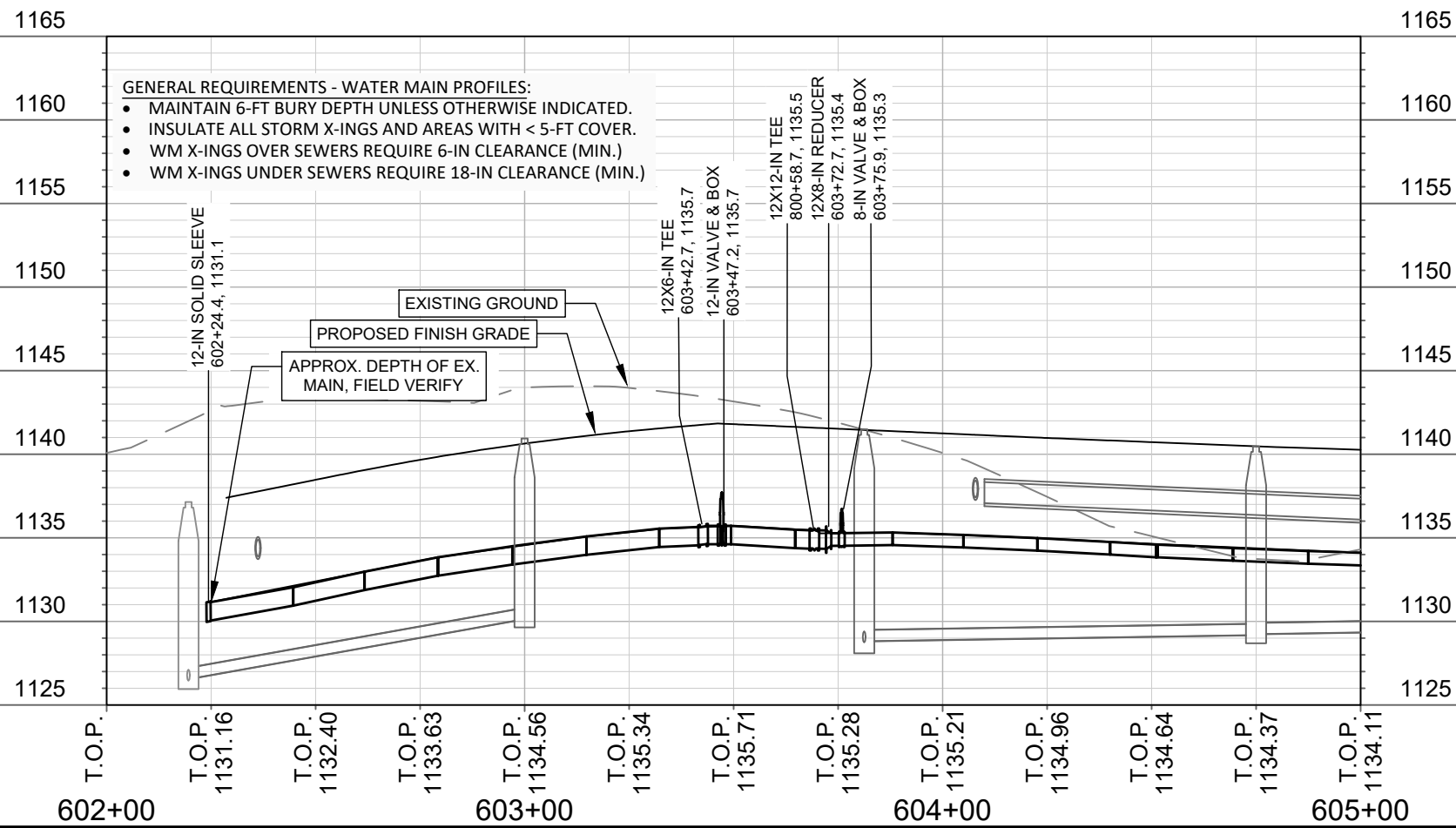
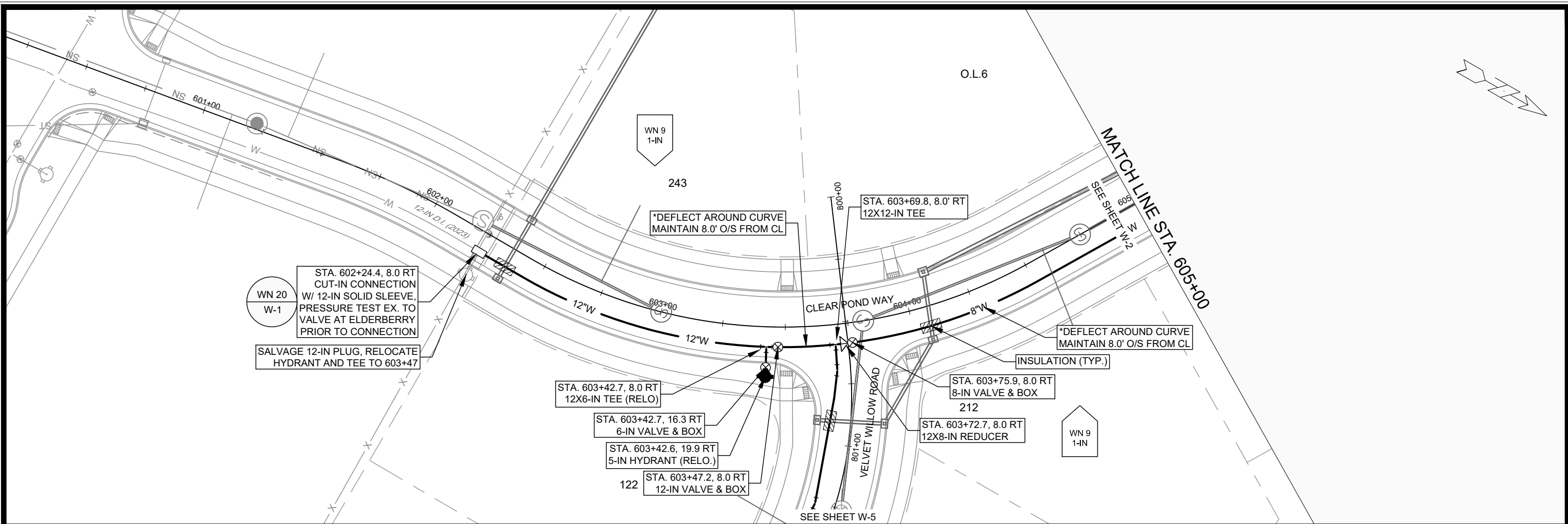
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- 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 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.)

**14926**  
**MADISON, WI**  
**CONTRACT NO: 9383**

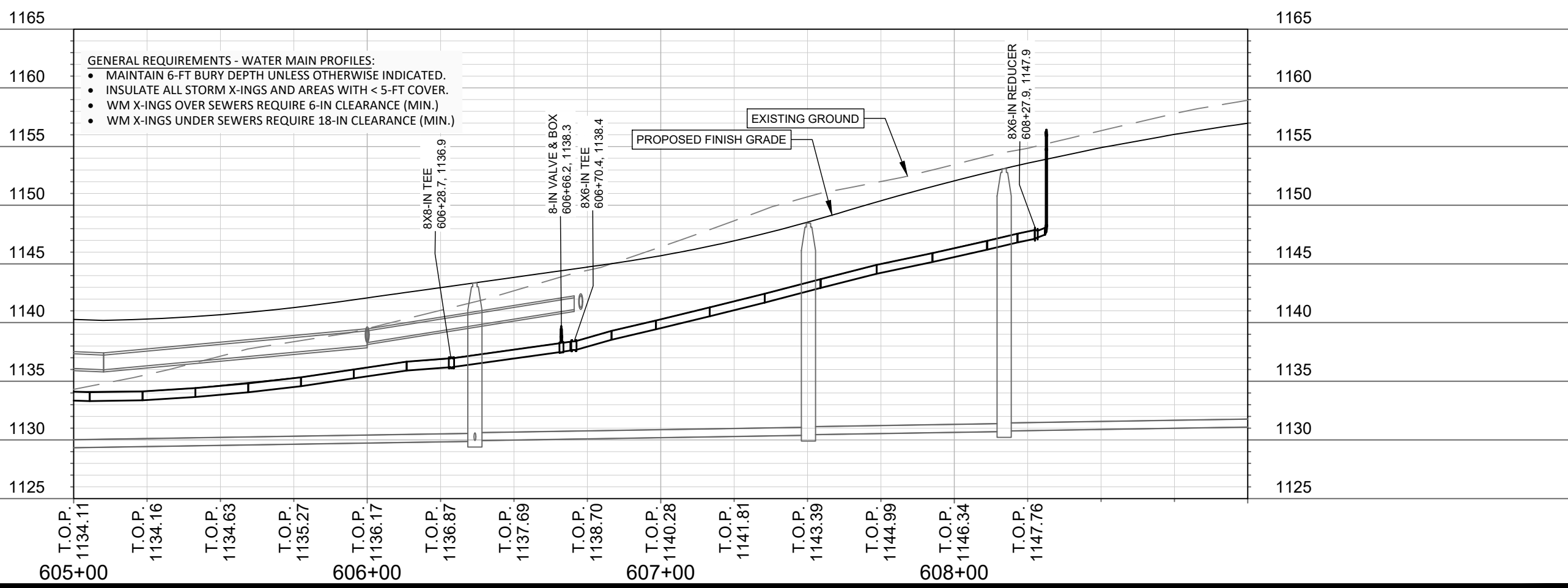
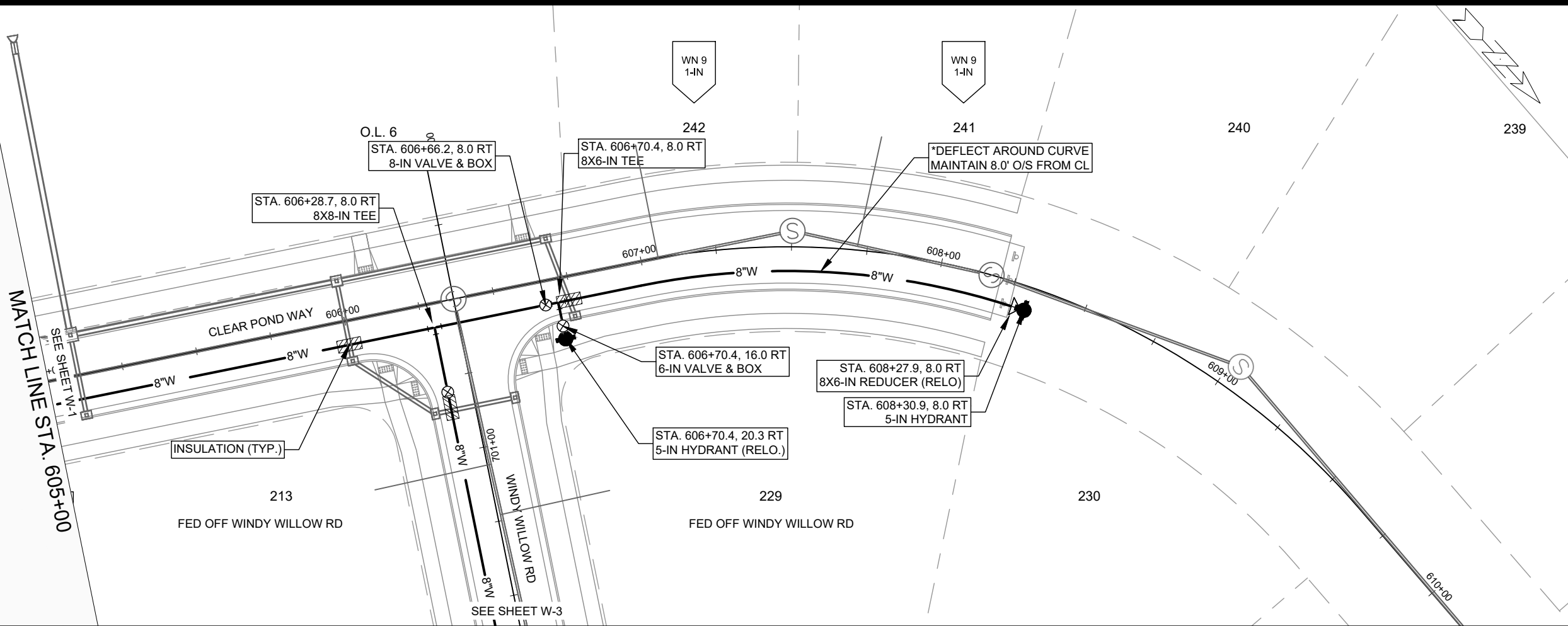
**WATER PLAN AND PROFILE - CLEAR POND WAY**  
**EAGLE TRACE - PHASE 7**

City of Madison Wisconsin logo

**14926**  
**W-1**

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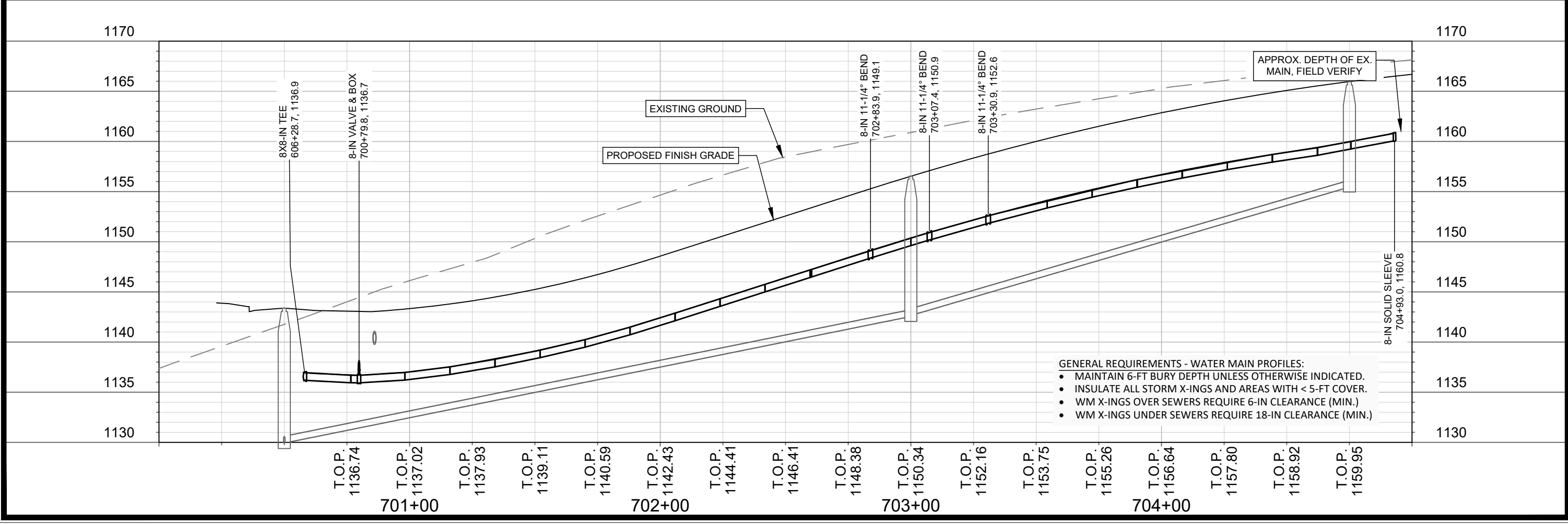
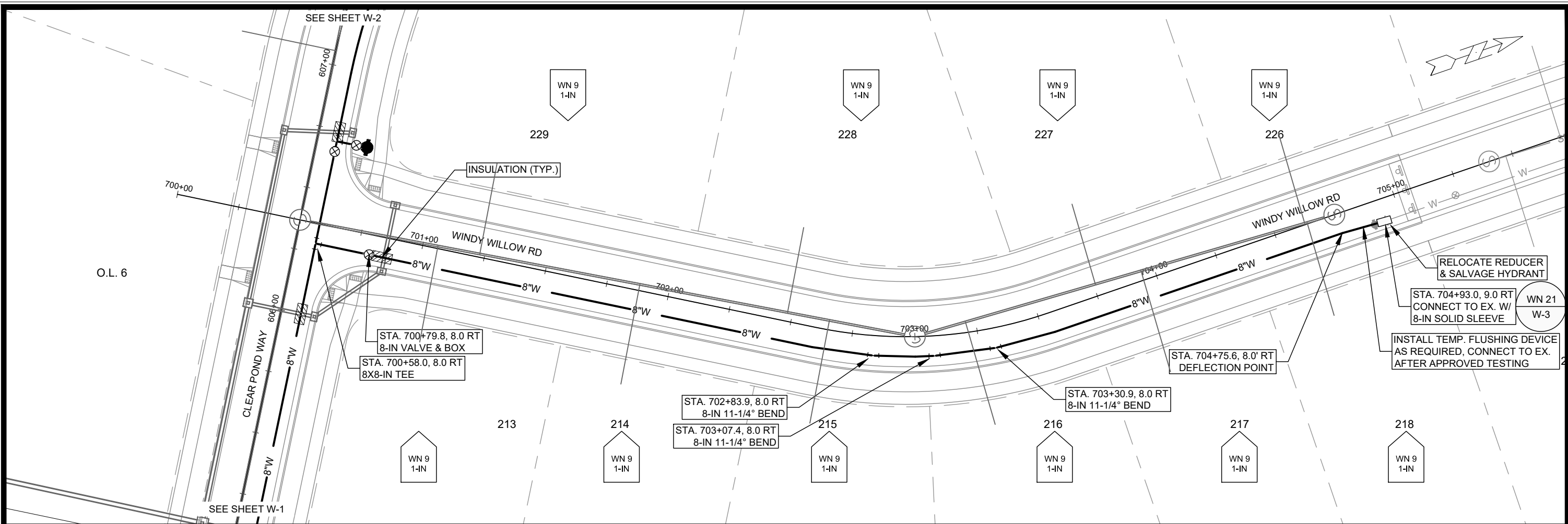
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MADISON, WI  
9383  
CONTRACT NO:

WATER PLAN AND PROFILE - CLEAR POND WAY  
EAGLE TRACE - PHASE 7  
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- 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.)

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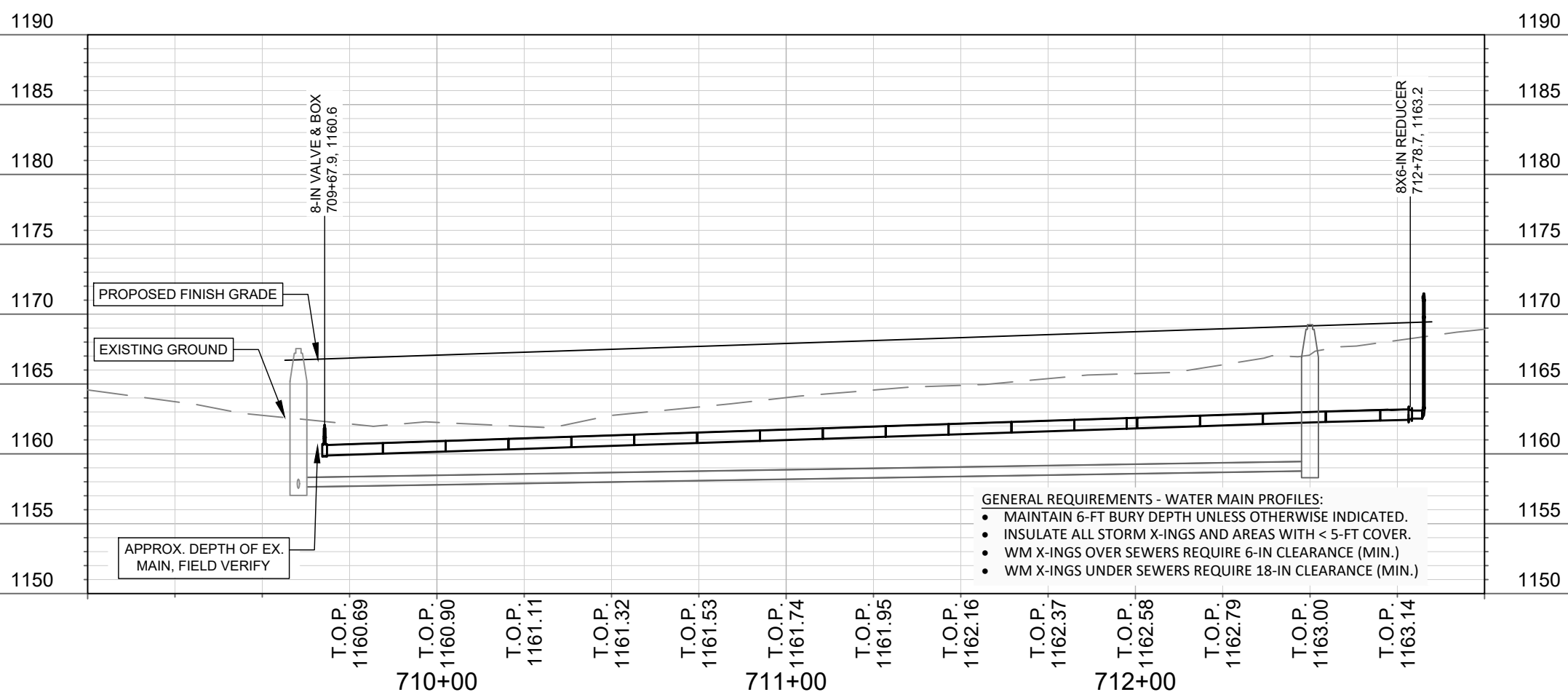
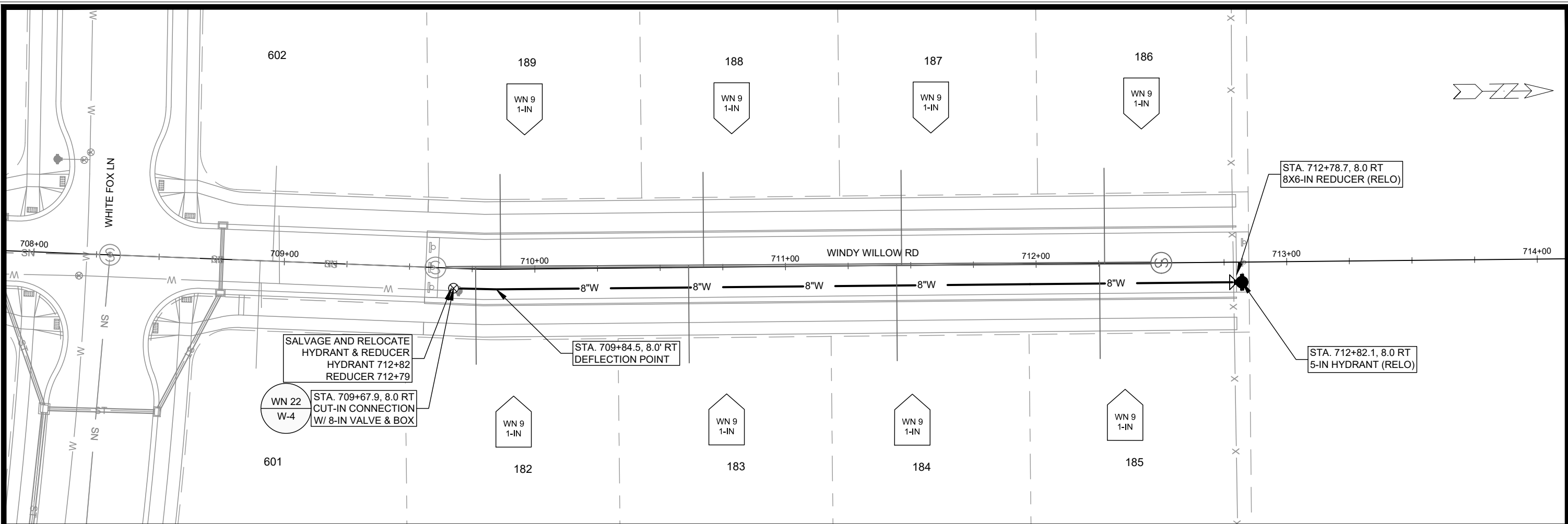
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 MADISON, WI  
 CONTRACT NO: 9383

WATER PLAN AND PROFILE - WINDY WILLOW ROAD  
 EAGLE TRACE - PHASE 7  
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 W-3





- 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.)

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WATER PLAN AND PROFILE - WINDY WILLOW ROAD  
 EAGLE TRACE - PHASE 7  
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 CITY OF MADISON WISCONSIN  
 14926  
 W-4





**CONSTRUCTION NOTES:**

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.
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.

- WN-1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN-5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN-8 ABANDON THE VALVE BOX.
- WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN-10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

**WATER UTILITY ULO SCHEDULE**

ULO	UTILITY	STATION	OFFSET	SHEET
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**\*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

PAY ITEM ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	40	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	1200	LNFT
70005	FURNISH AND INSTALL 12-INCH PIPE & FITTINGS	260	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	2	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	4	EACH
70034	FURNISH AND INSTALL 12-INCH WATER VALVE	1	EACH
70101	FURNISH AND INSTALL STYROFOAM	6	EACH
71026	8-IN SOLID SLEEVE	1	EACH
71028	12-IN SOLID SLEEVE	2	EACH
71147	8-IN 11-1/4" BEND	3	EACH
71149	12-IN 11-1/4" BEND	2	EACH
71165	12X8-IN REDUCER	1	EACH
71210	8X6-IN TEE	1	EACH
71211	8X8-IN TEE	1	EACH
71220	12X12-IN TEE	1	EACH

**\*ESTIMATE OF MATERIALS SALVAGED:**

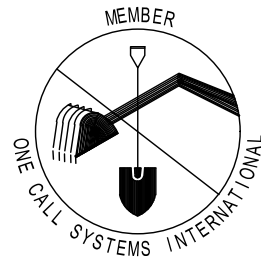
	SALVAGE AND RELOCATE HYDRANT	4	EACH
	SALVAGE AND RELOCATE 12X6-IN TEE	1	EACH
	SALVAGE AND RELOCATE 8X6-IN REDUCER	2	EACH
	SALVAGE HYDRANT	1	EACH
	SALVAGE 12-IN MJ PLUG	1	EACH
	SALVAGE 12X6-IN REDUCER	1	EACH

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

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

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

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

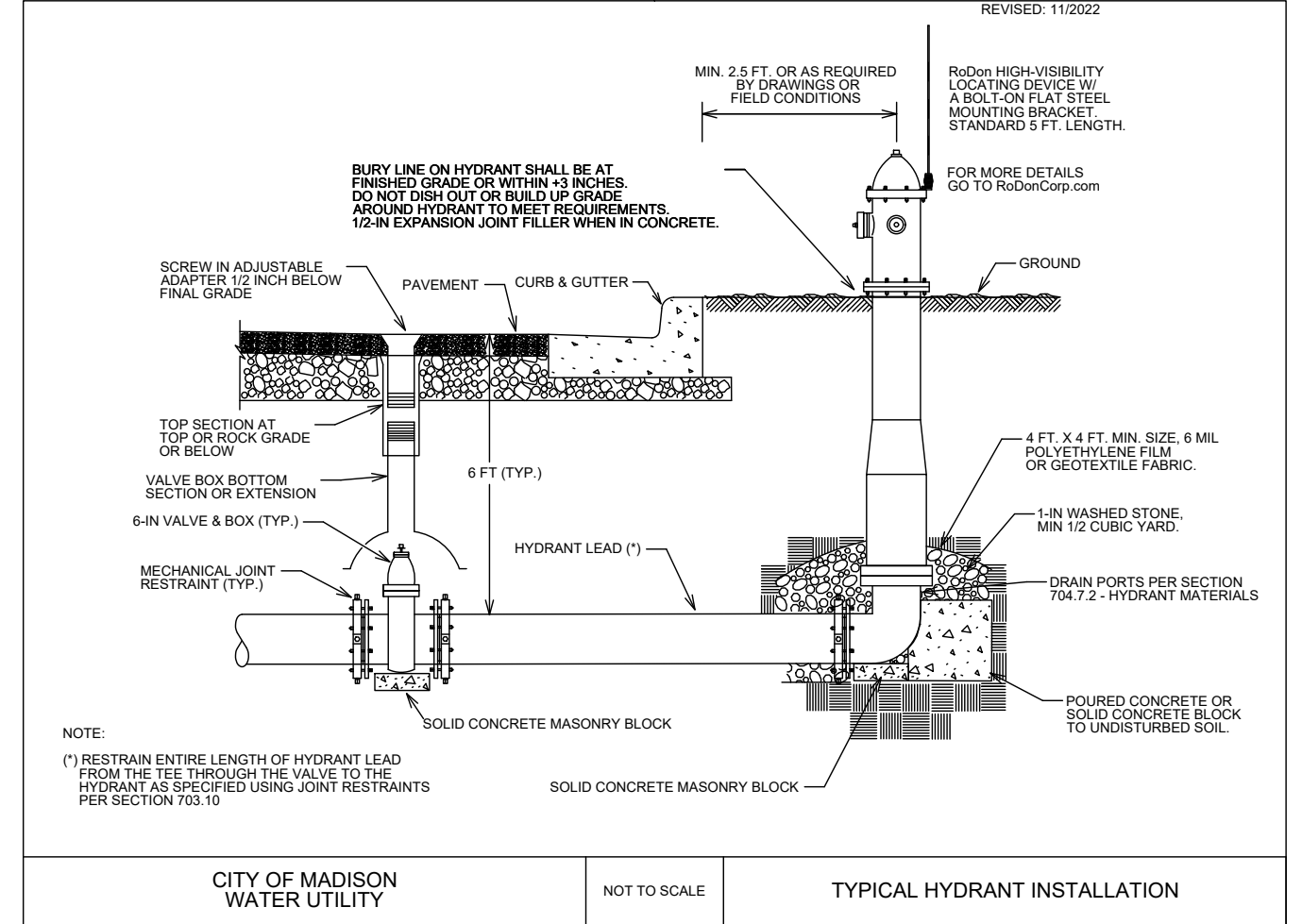


**DISCLAIMER NOTE:** UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

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

**DETAIL DRAWING NO. 7.04**

REVISED: 11/2022



CITY OF MADISON  
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

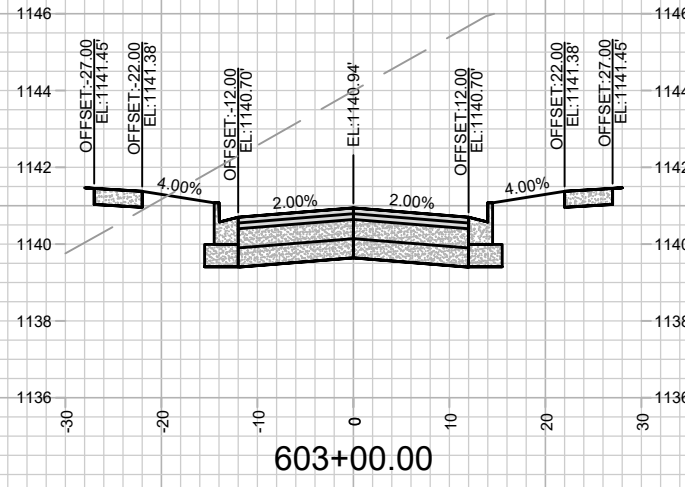
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MADISON, WI  
9383  
CONTRACT NO:

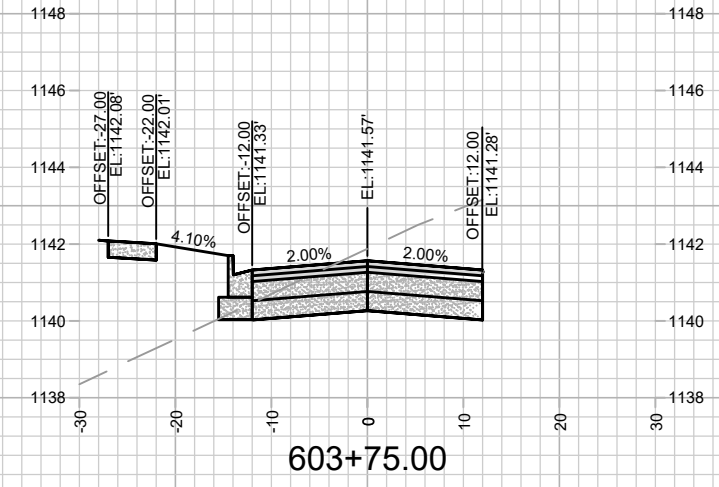
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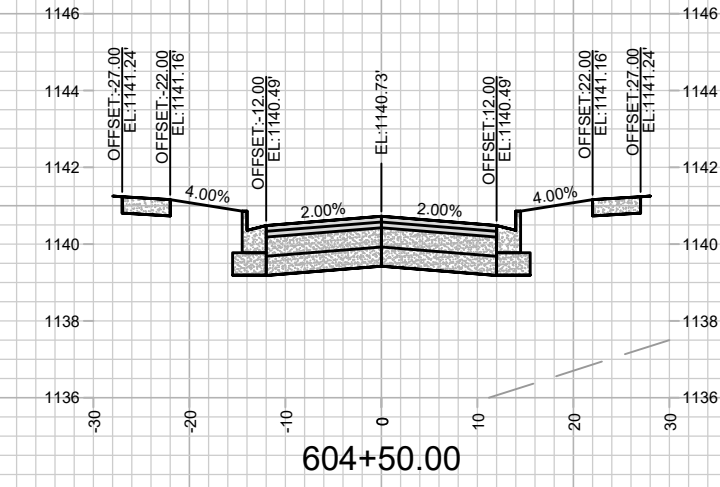
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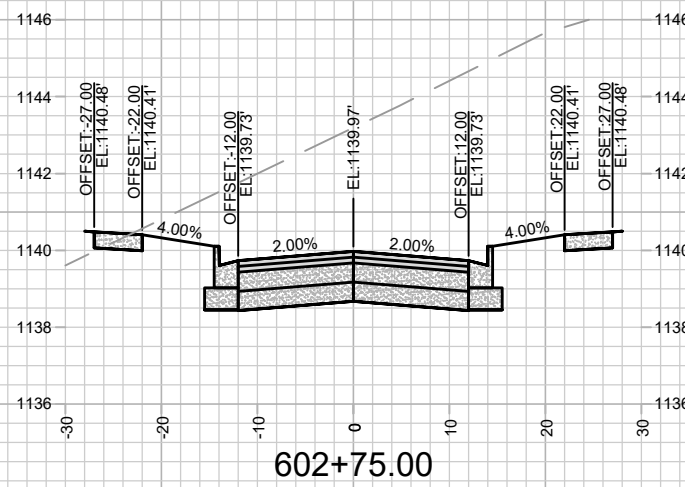
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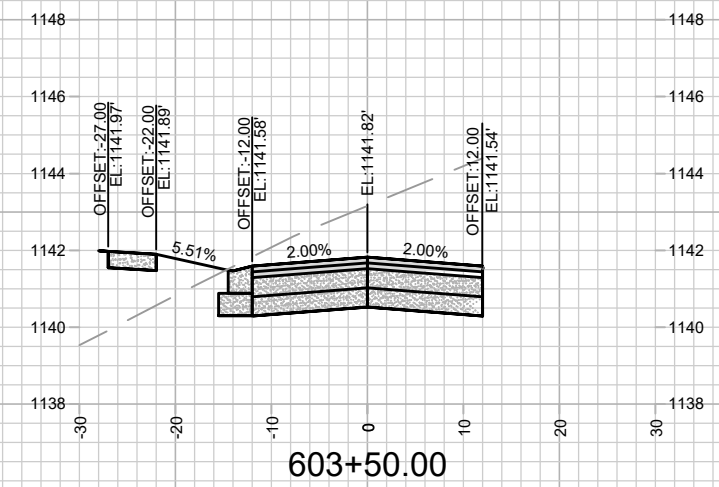
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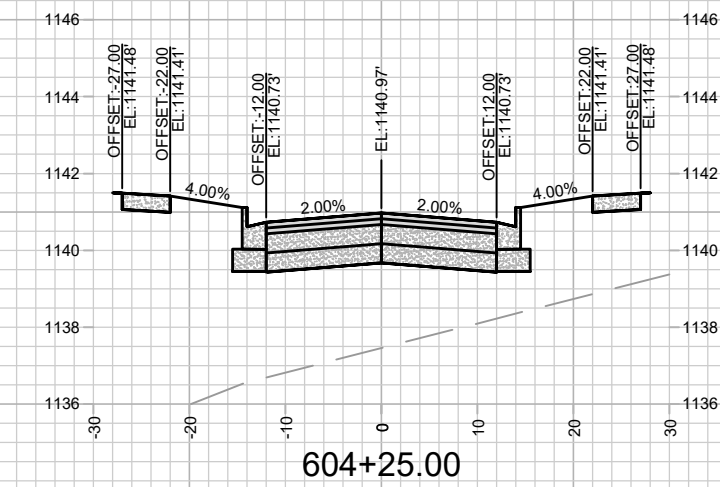
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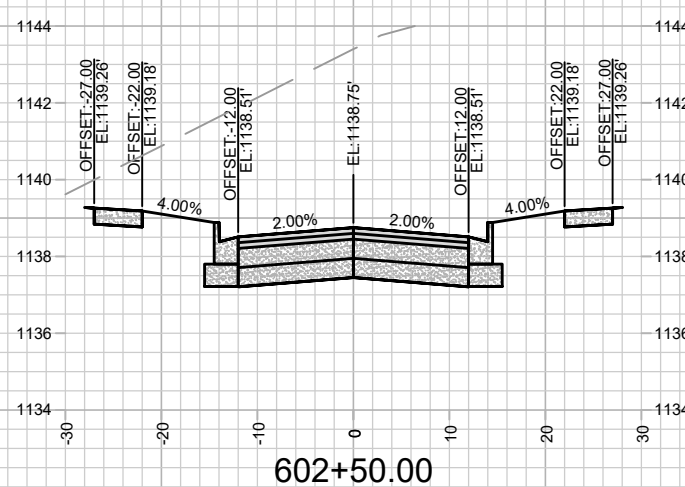
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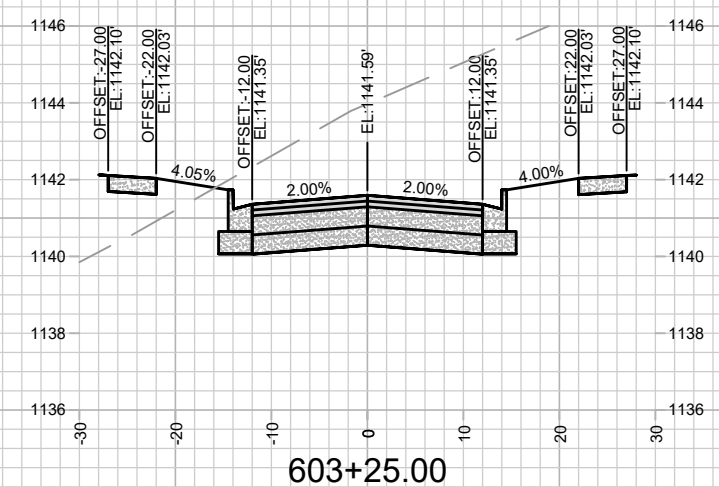
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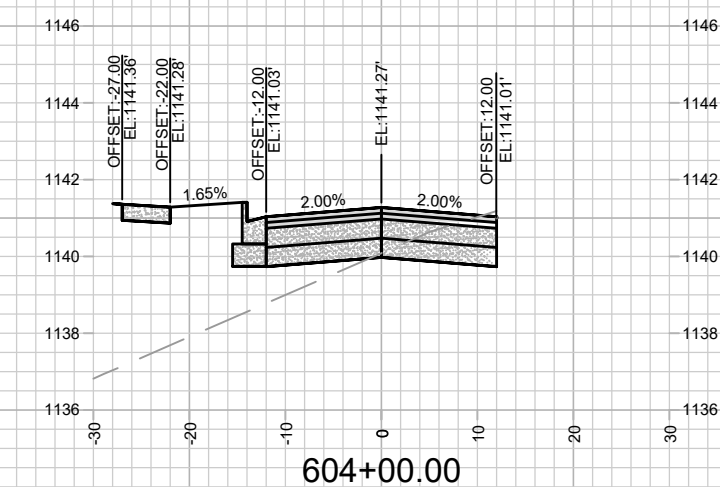
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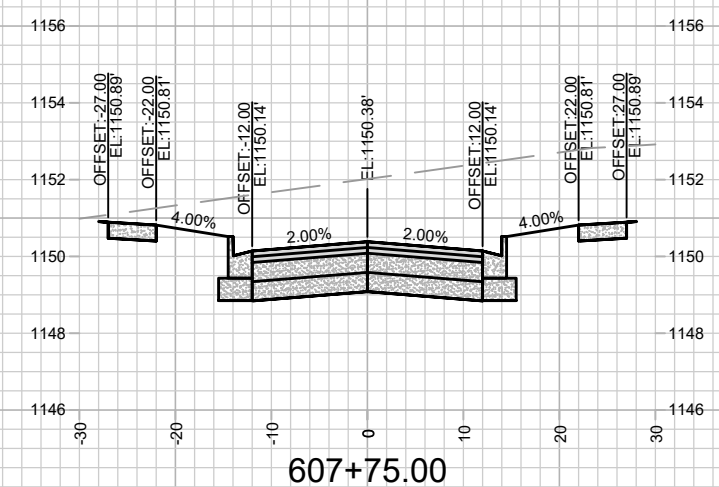
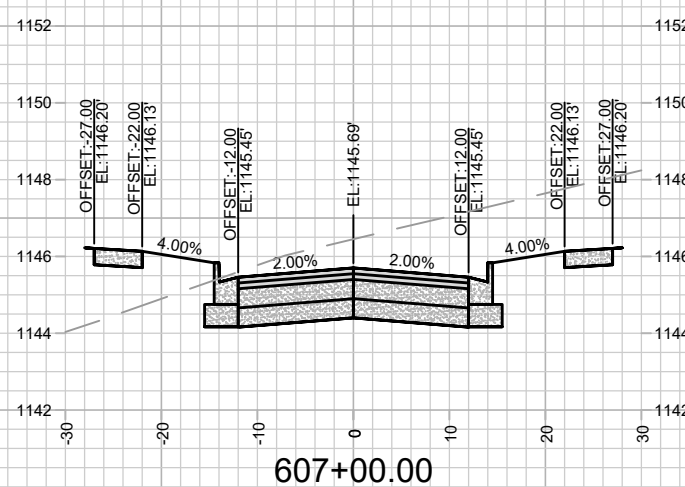
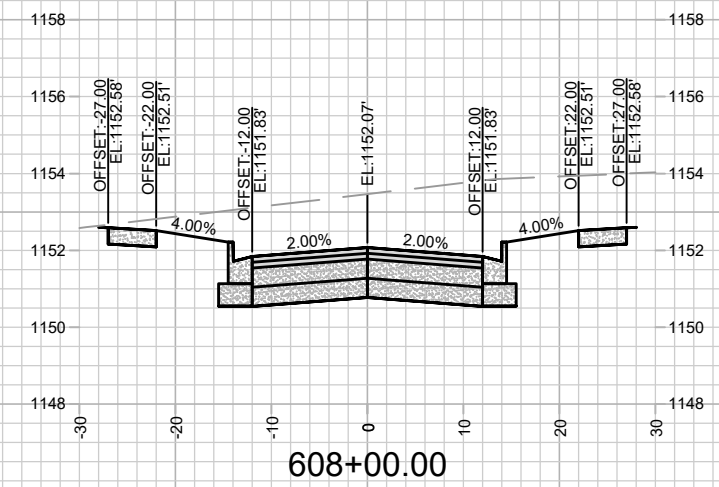
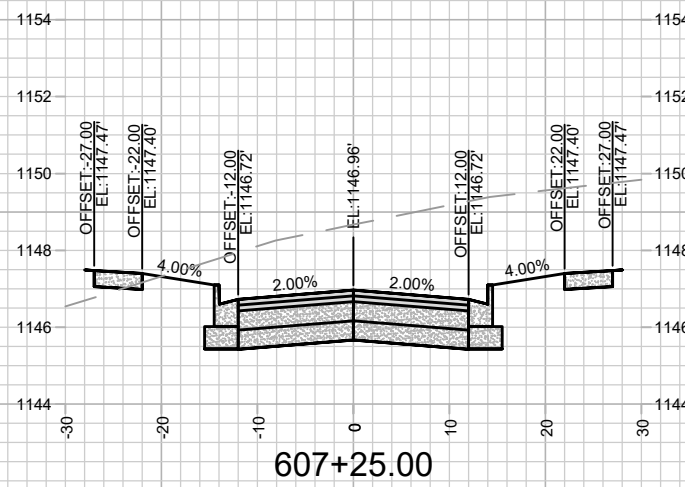
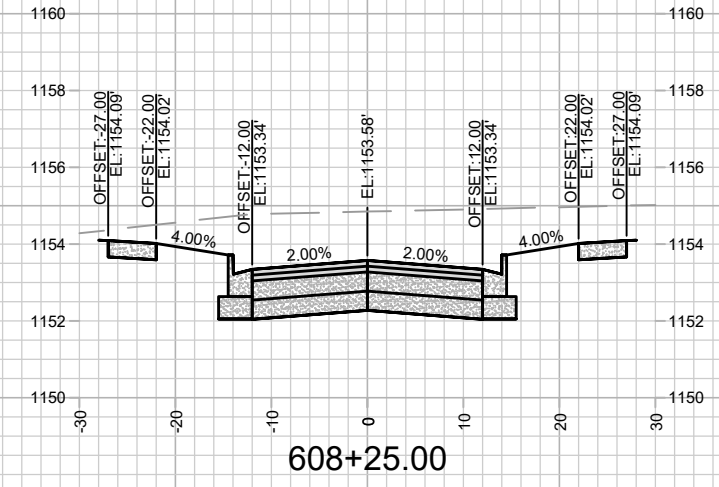
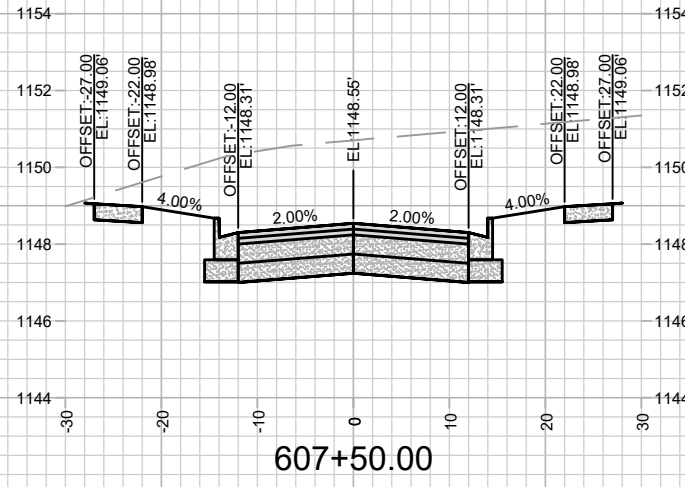
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MADISON, WI  
9383  
CONTRACT NO.:

CROSS SECTION - CLEAR POND WAY  
EAGLE TRACE - PHASE 7  
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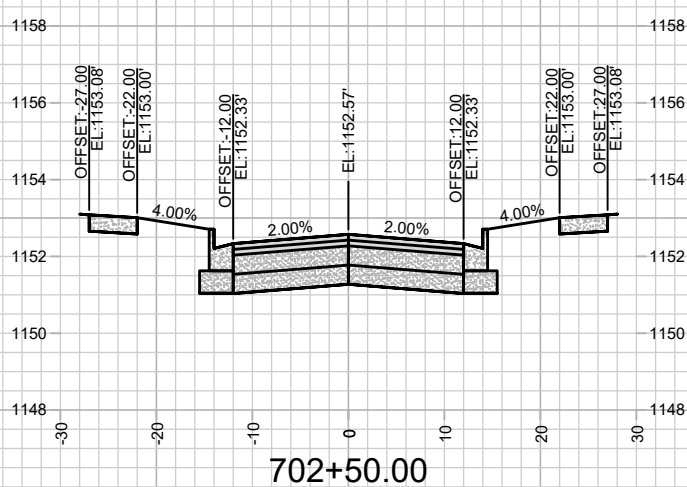
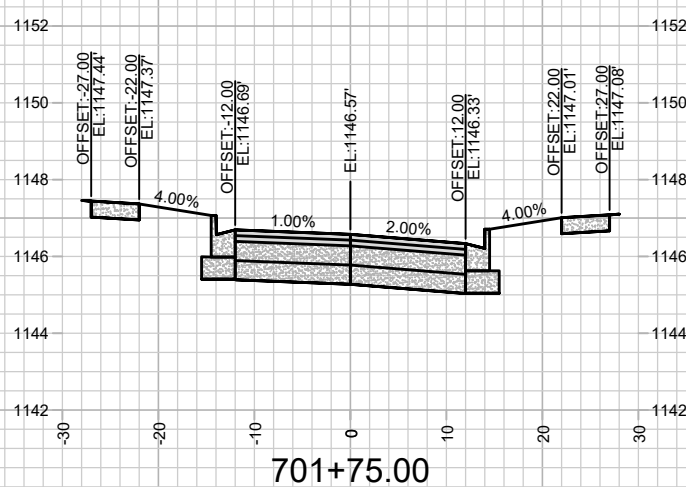
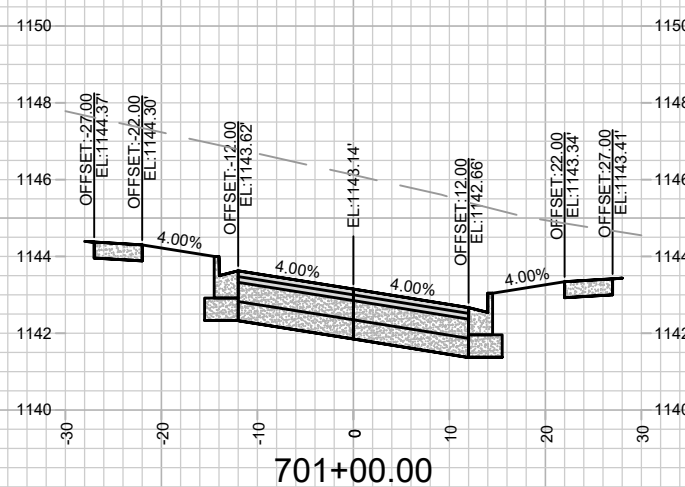
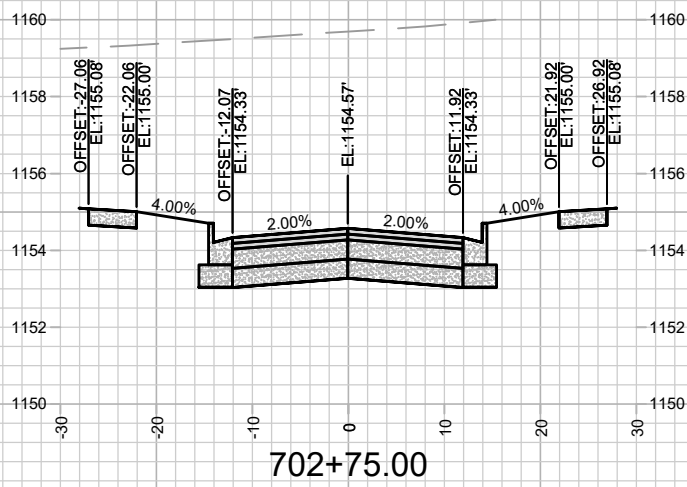
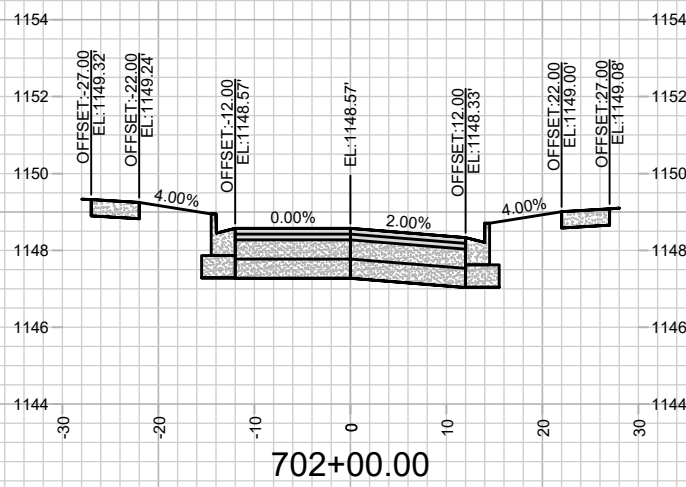
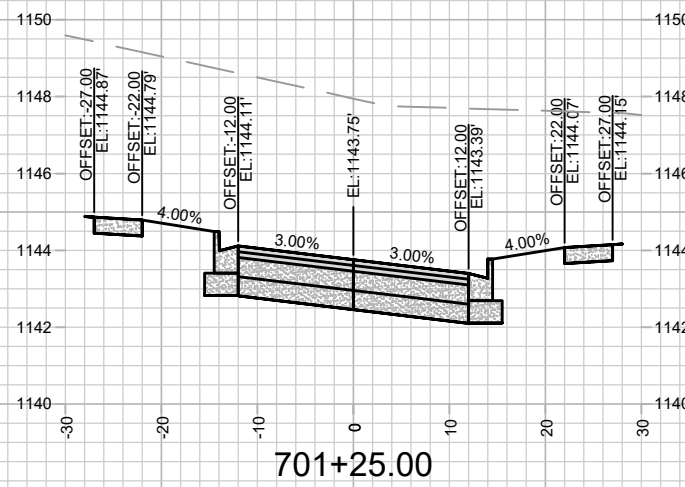
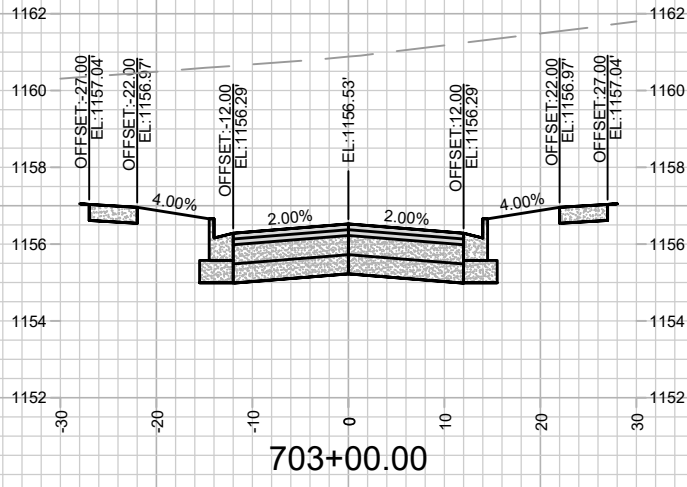
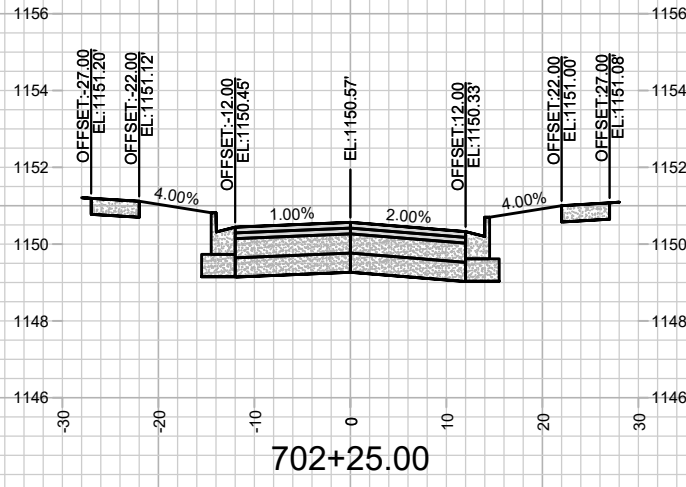
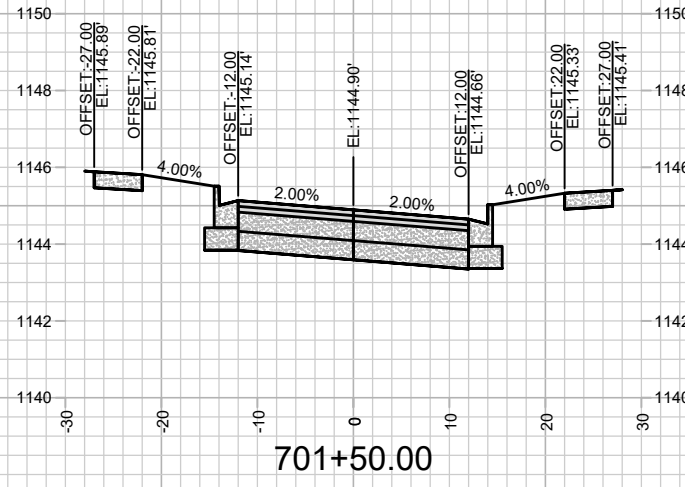
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 MADISON, WI  
 9383  
 CONTRACT NO.:

CROSS SECTION - CLEAR POND WAY  
 EAGLE TRACE - PHASE 7  
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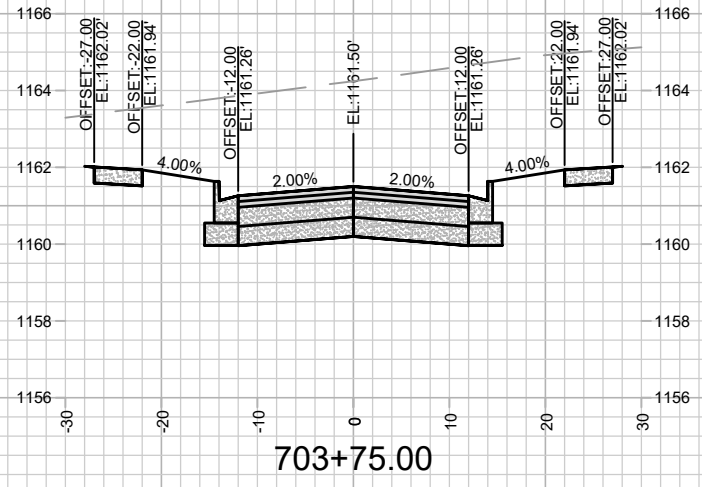
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CONTRACT NO:

CROSS SECTION - WINDY WILLOW ROAD  
EAGLE TRACE - PHASE 7  
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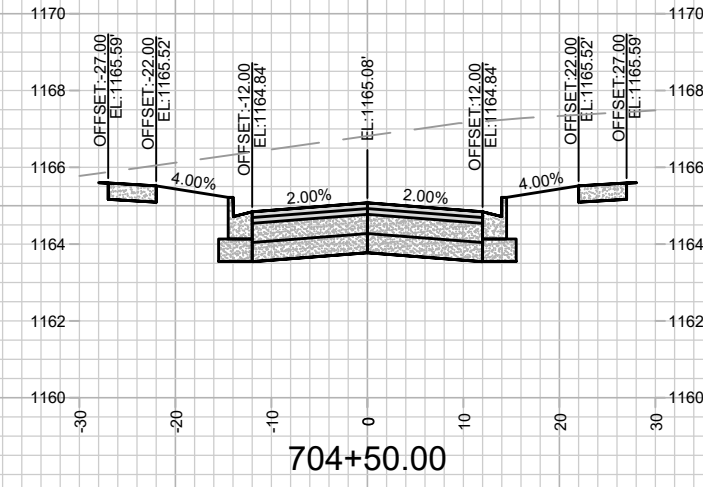


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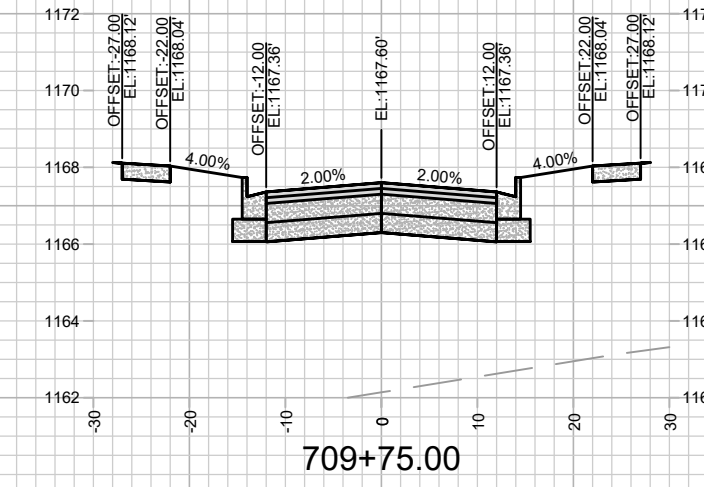




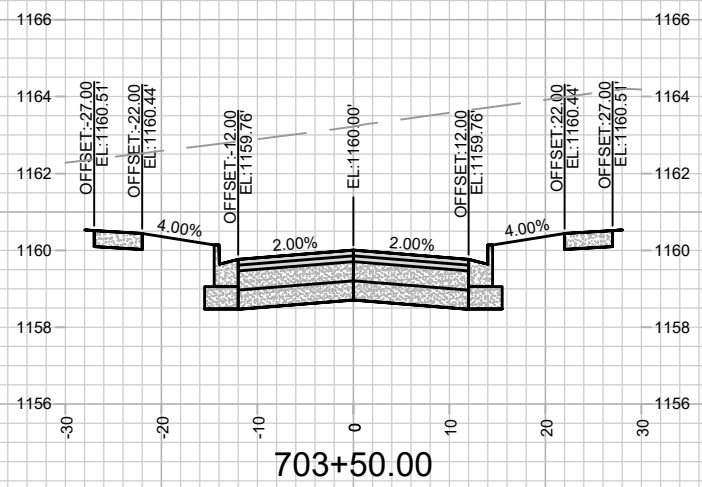
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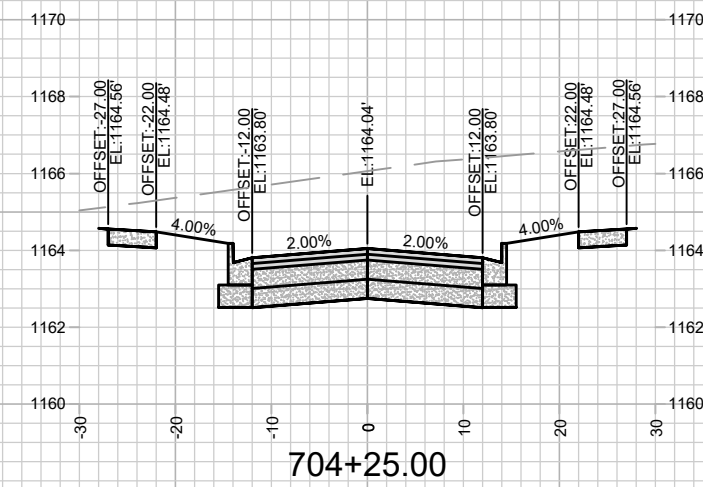
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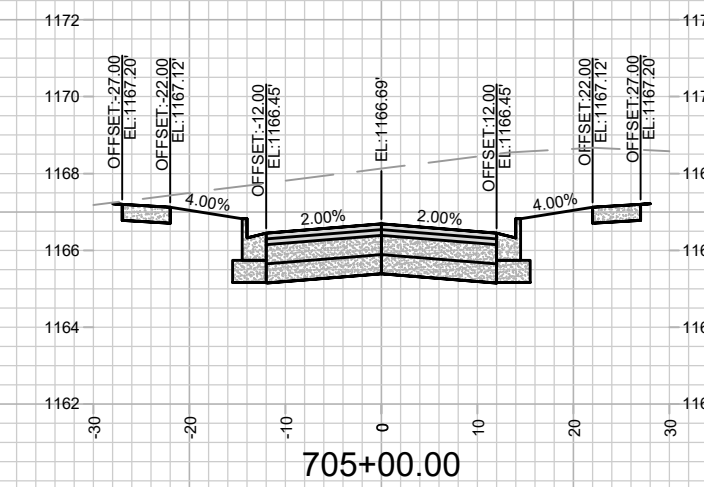
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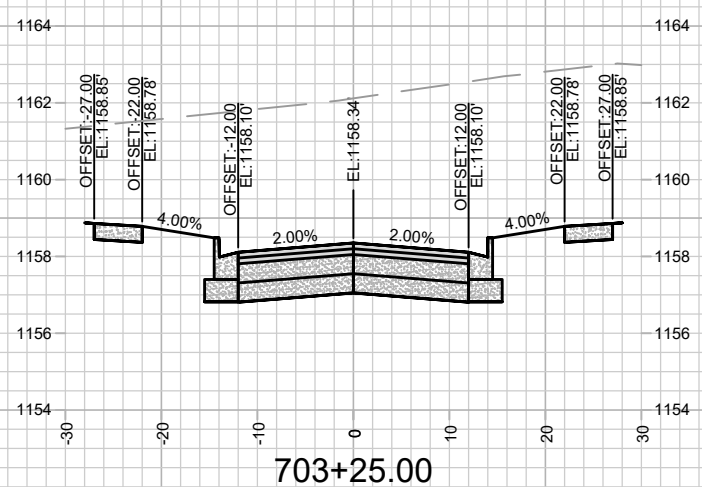
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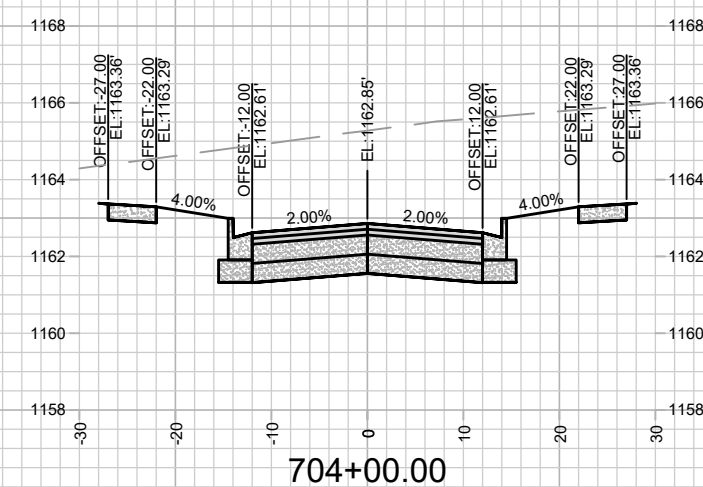
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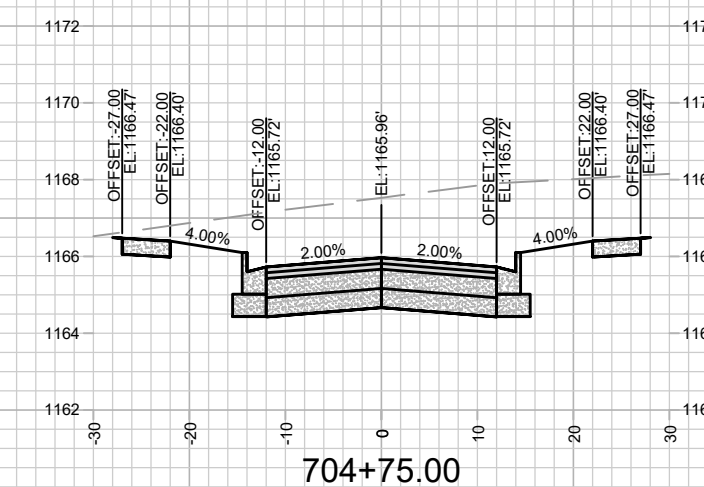
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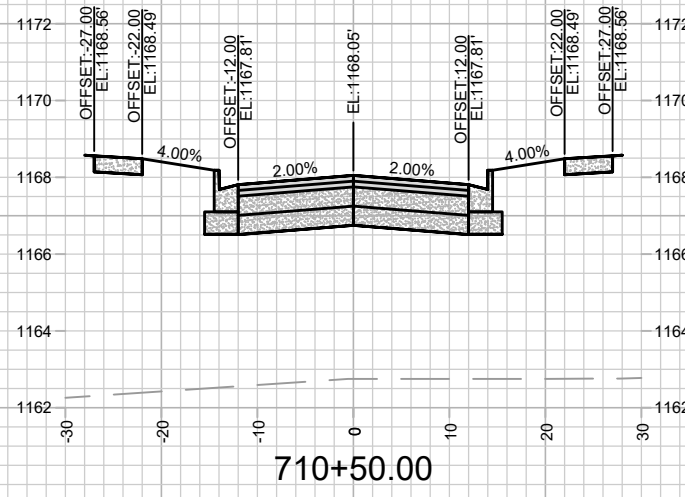
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14926  
MADISON, WI  
9383  
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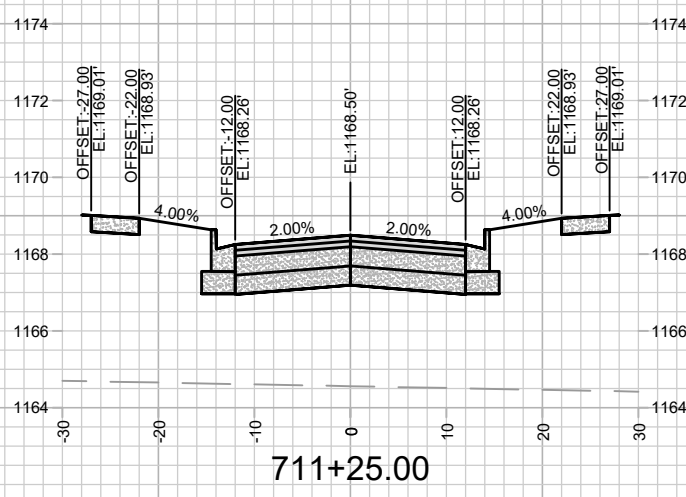
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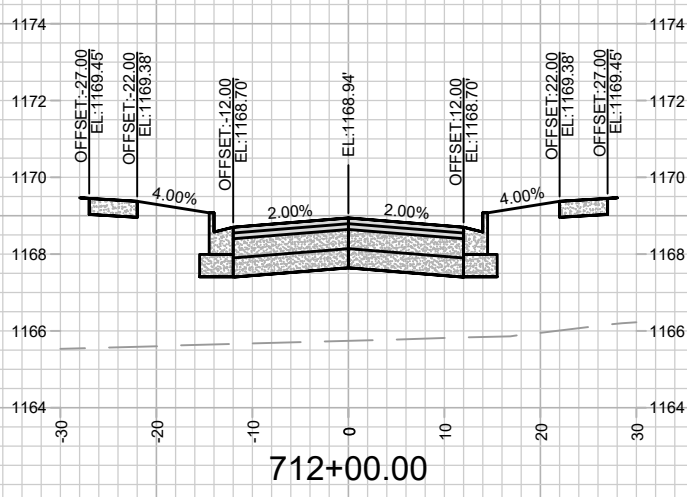
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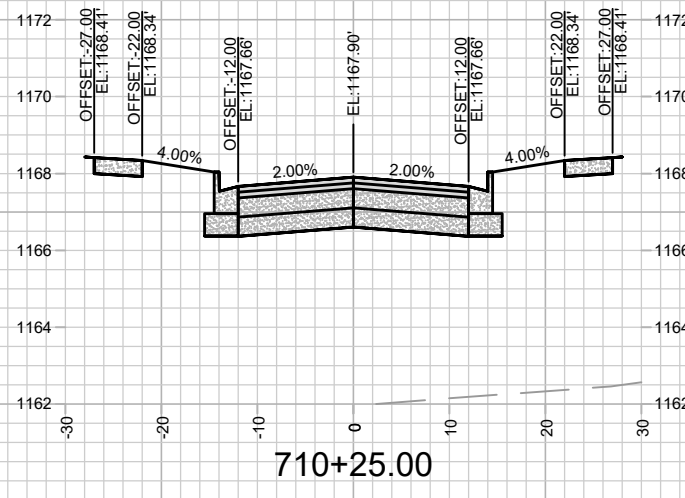
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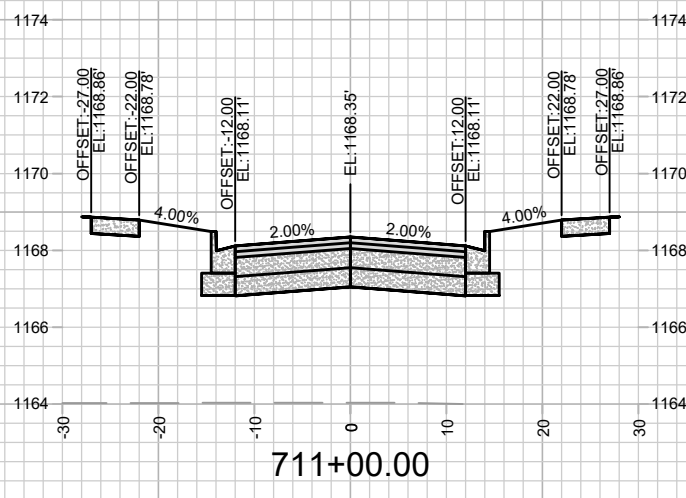
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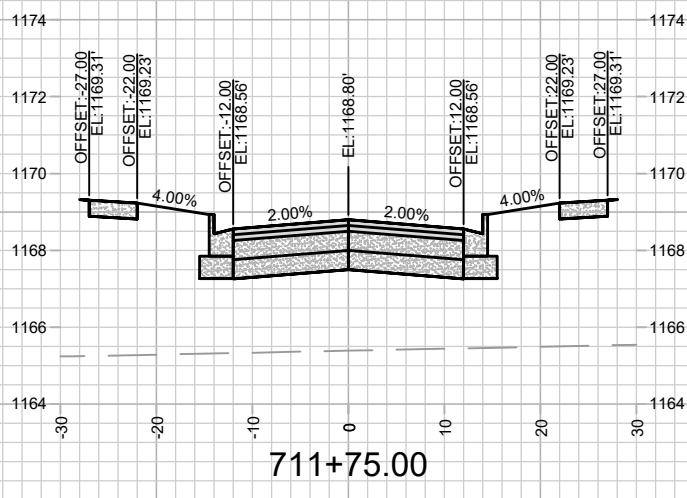
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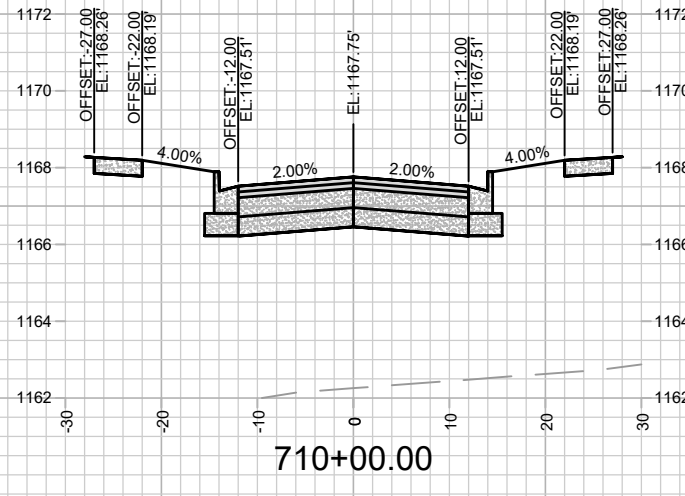
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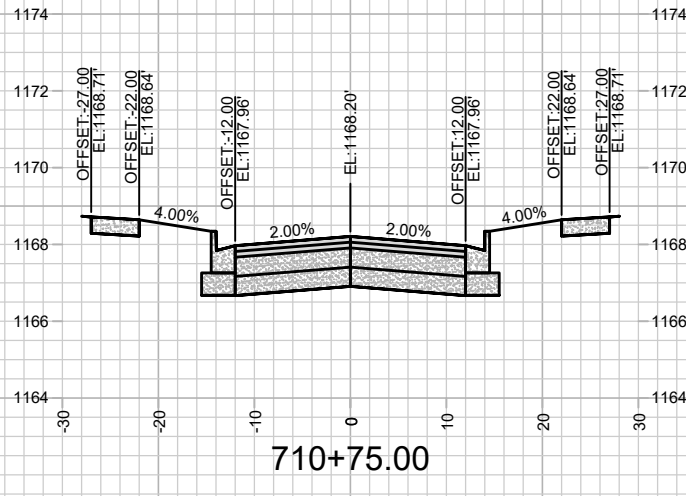
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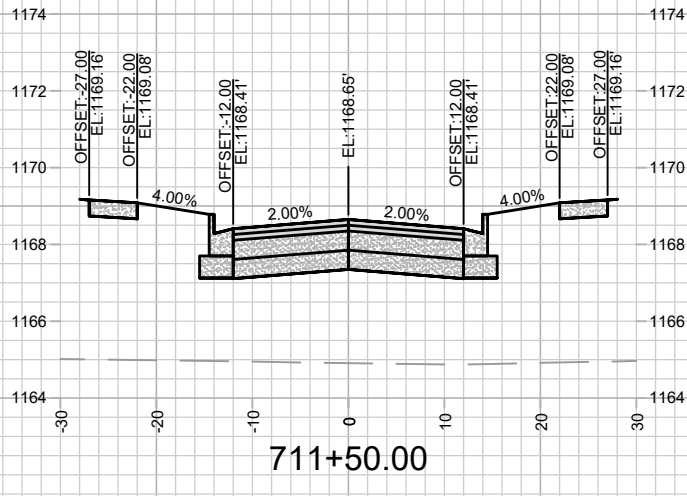
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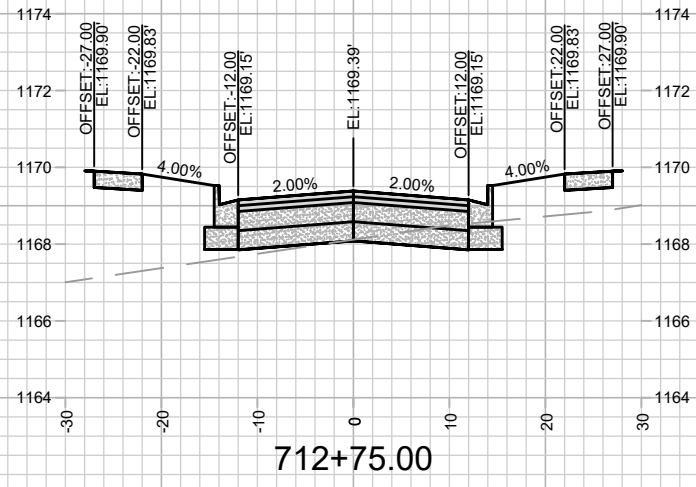
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MADISON, WI  
9383  
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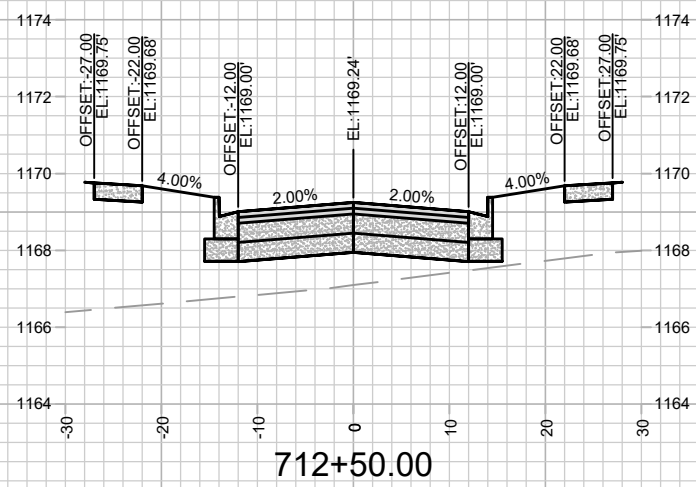
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EAGLE TRACE - PHASE 7  
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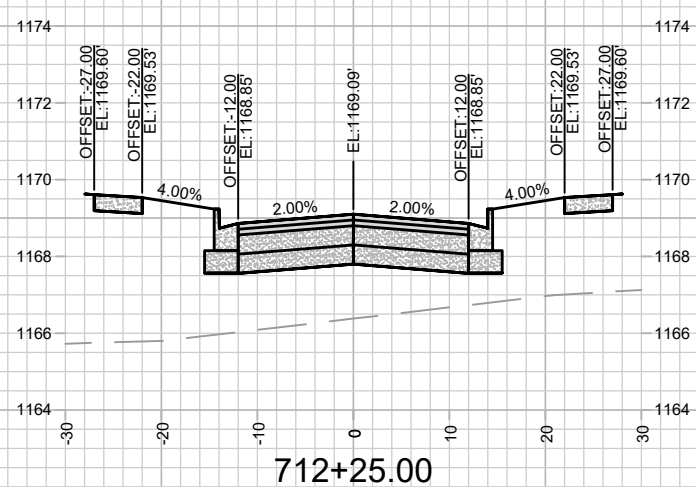
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712+50.00



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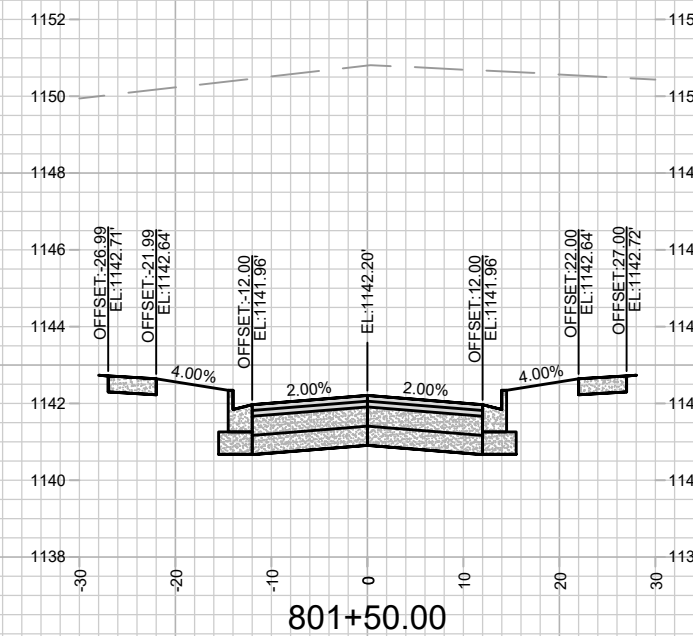
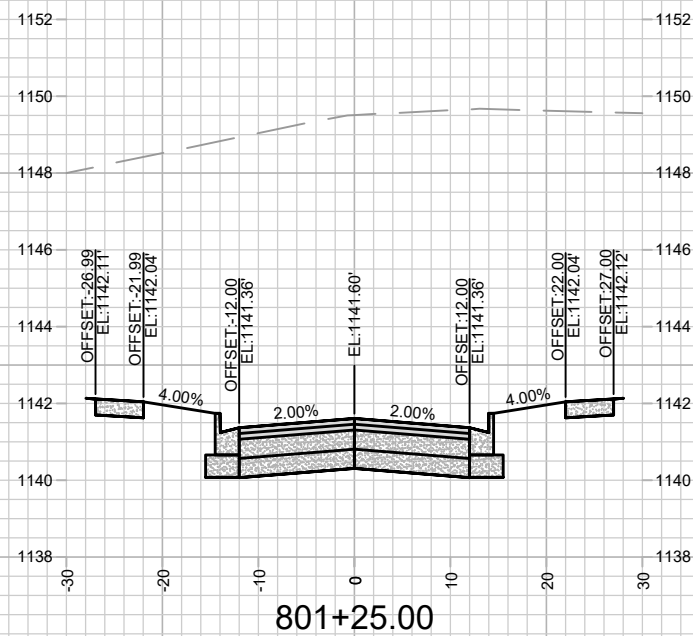
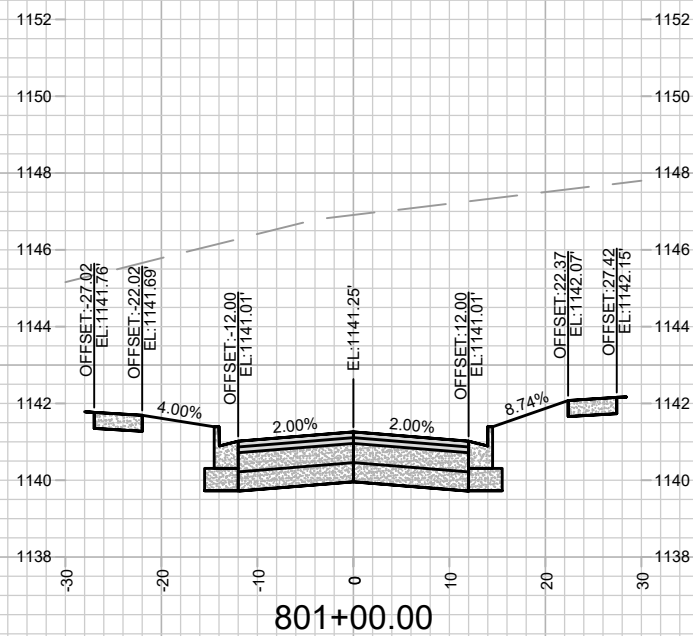
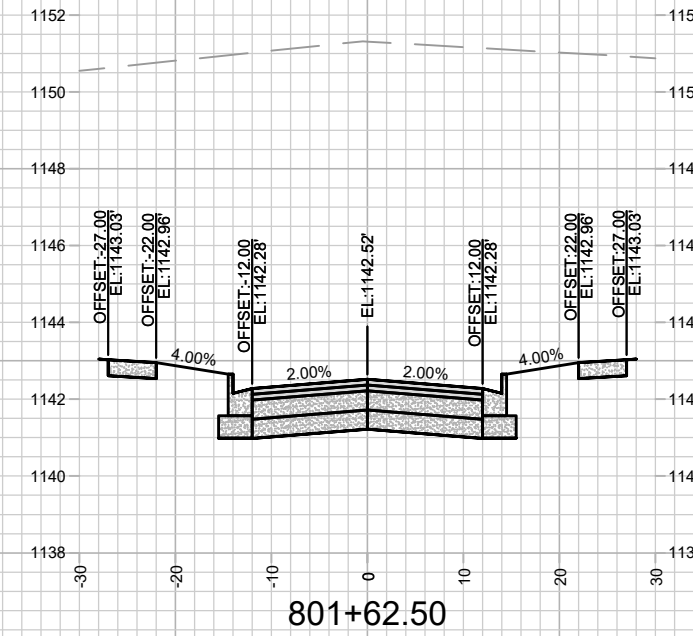
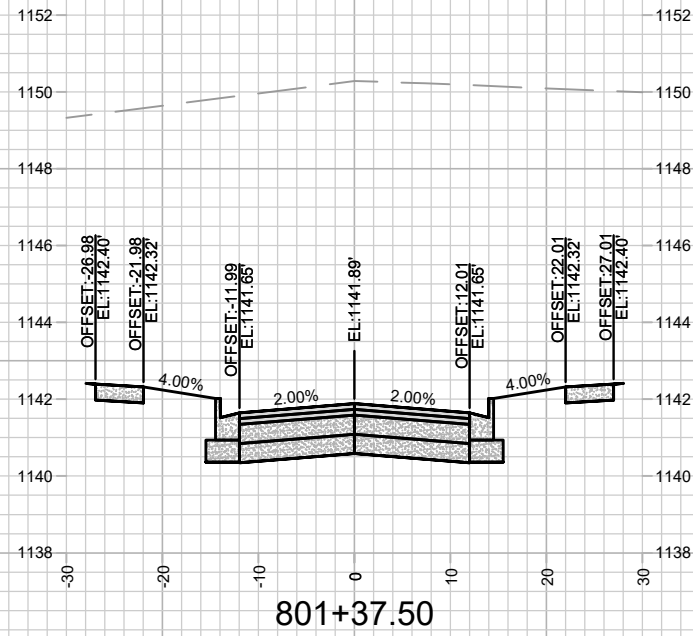
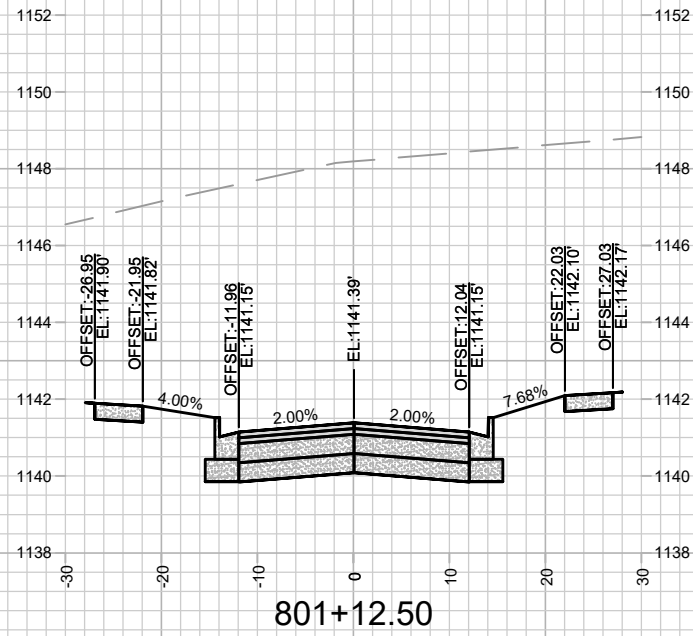
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CROSS SECTION - WINDY WILLOW ROAD

EAGLE TRACE - PHASE 7



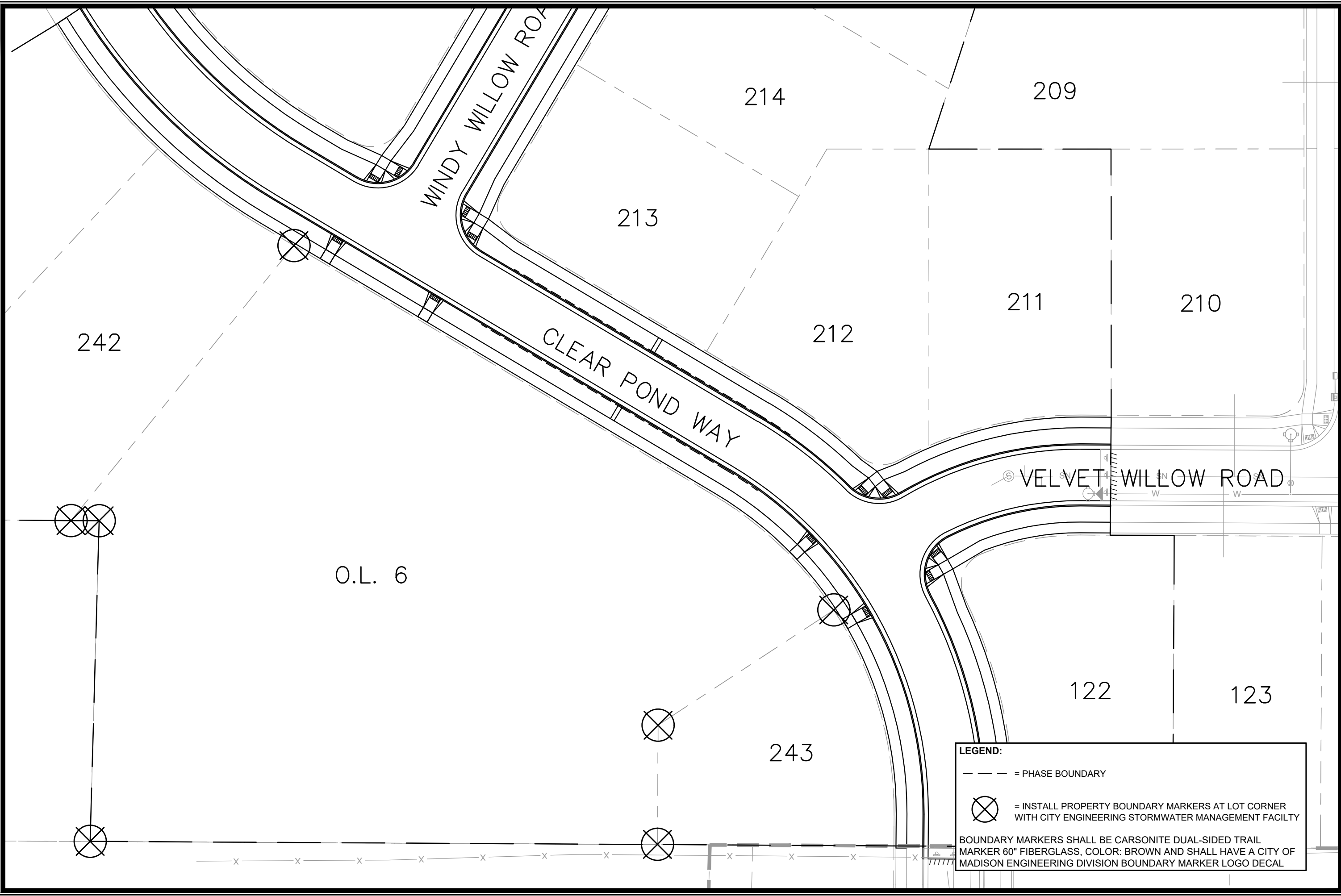
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14926  
MADISON, WI  
9383  
CONTRACT NO:

CROSS SECTION - VELVET WILLOW ROAD  
EAGLE TRACE - PHASE 7  
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X-8



**LEGEND:**

--- = PHASE BOUNDARY

⊗ = INSTALL PROPERTY BOUNDARY MARKERS AT LOT CORNER WITH CITY ENGINEERING STORMWATER MANAGEMENT FACILITY

BOUNDARY MARKERS SHALL BE CARSONITE DUAL-SIDED TRAIL MARKER 60" FIBERGLASS, COLOR: BROWN AND SHALL HAVE A CITY OF MADISON ENGINEERING DIVISION BOUNDARY MARKER LOGO DECAL

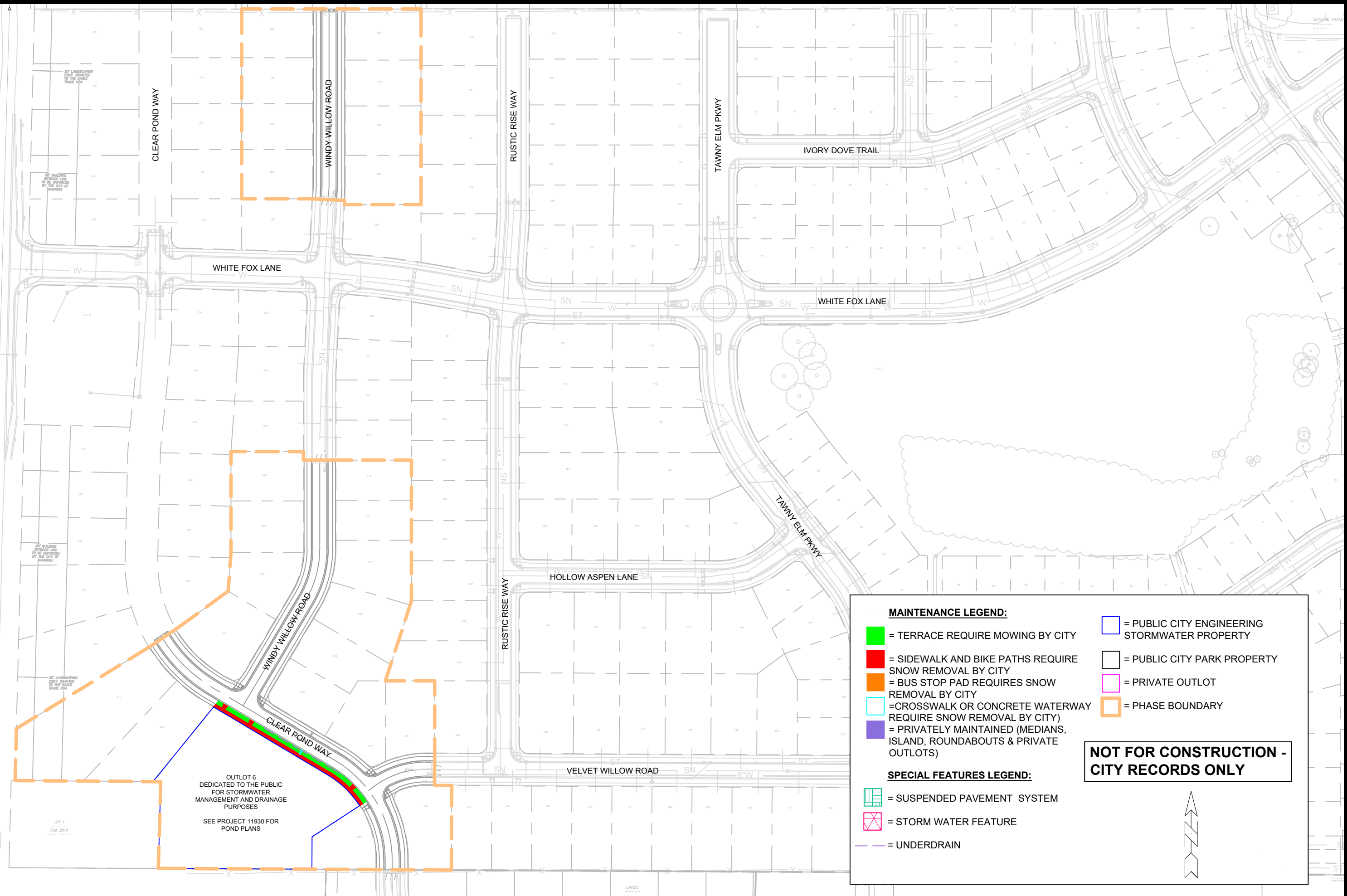
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14926  
MADISON, WI  
CONTRACT NO: 9383

PROPERTY BOUNDARY MARKERS  
EAGLE TRACE - PHASE 7  
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PBM-1



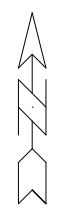
**MAINTENANCE LEGEND:**

- = 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**



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14926  
MADISON, WI  
CONTRACT NO: 9383

MAINTENANCE PLAN  
EAGLE TRACE - PHASE 7  
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