

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

**INDEX OF SHEETS**

SHEET NO. D1-D2	NOTES AND TYPICAL SECTION
SHEET NO. P1-P4	STREET PLAN & PROFILES
SHEET NO. U1-U5	UTILITY PLAN & PROFILES
SHEET NO. USAN	SANITARY SEWER SCHEDULE
SHEET NO. USTM	STORM SEWER SCHEDULE
SHEET NO. W1-W6	WATER PLANS
SHEET NO. X1-X18	CROSS SECTIONS
SHEET NO. PBM-1	PROPERTY BOUNDARY MARKER PLAN
NO MAINTENANCE PLAN	

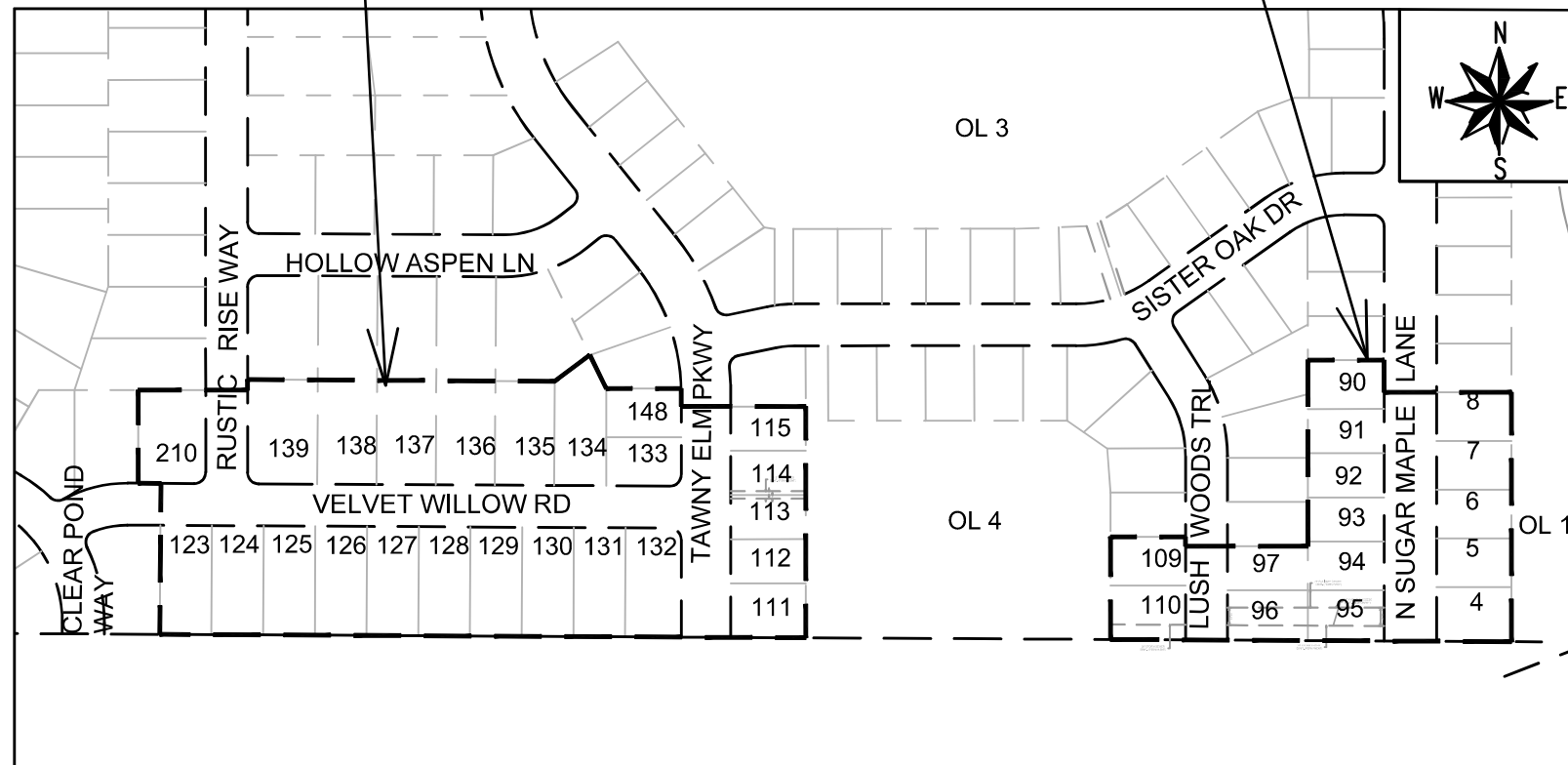
## EAGLE TRACE PHASE 6

CITY PROJECT NO. 13765

CONTRACT NO. 9068

**THIS PROJECT  
(PHASE 6)**

**ADJACENT PROJECT  
(PHASE 5)**



PUBLIC IMPROVEMENT PROJECT APPROVED

FEBRUARY 1, 2022

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

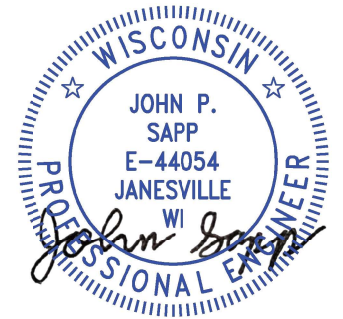
*Greg Friss*

Mar 25, 2022

City Engineer

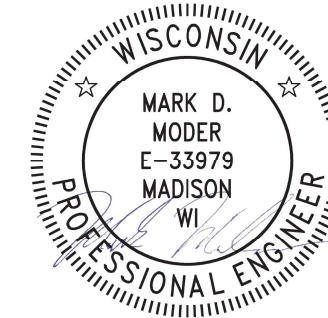
Date

STREET GRADES DESIGNED BY:



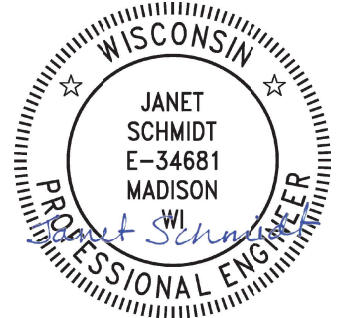
Mar 24, 2022

SANITARY SEWER DESIGNED BY:



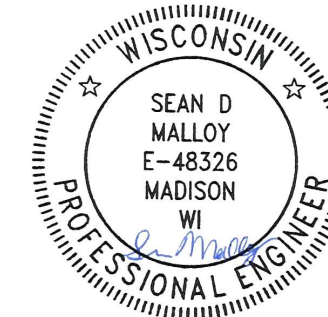
Mar 24, 2022

STORM SEWER DESIGNED BY:



Mar 24, 2022

STREET GEOMETRY DESIGNED BY:



Mar 24, 2022

WATER DESIGNED BY:



Mar 24, 2022

PLOT SCALE: 1"=0' = 1"=0' XREF

PLOT NAME: ---

REV. DATE: 3/16/2022 7:29 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 PLAN IS 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 THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: 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: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm)

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 PROJECT ENGINEER AND STREET DESIGNER DAYENU SIMON AT [DSIMON@CITYOFMADISON.COM](mailto:DSIMON@CITYOFMADISON.COM) FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

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

ALL PAVEMENT IN RUSTIC RISE WAY AND VELVET WILLOW WAY RIGHT-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02

ALL PAVEMENT IN TAWNY ELM PARKWAY RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.0

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 BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. 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.

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.

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

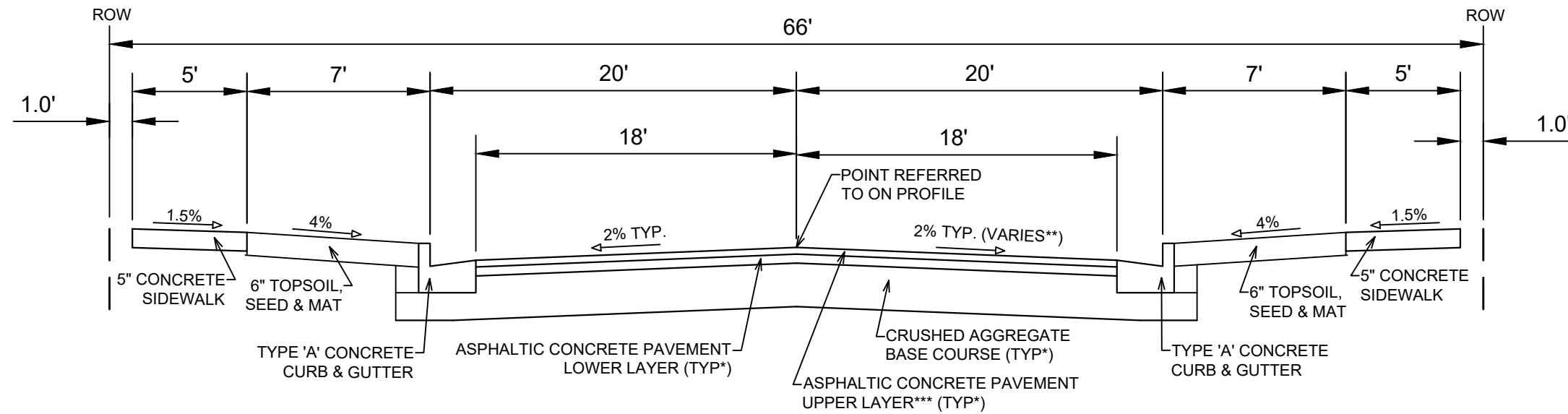
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MADISON, WI  
9068  
CONTRACT NO:

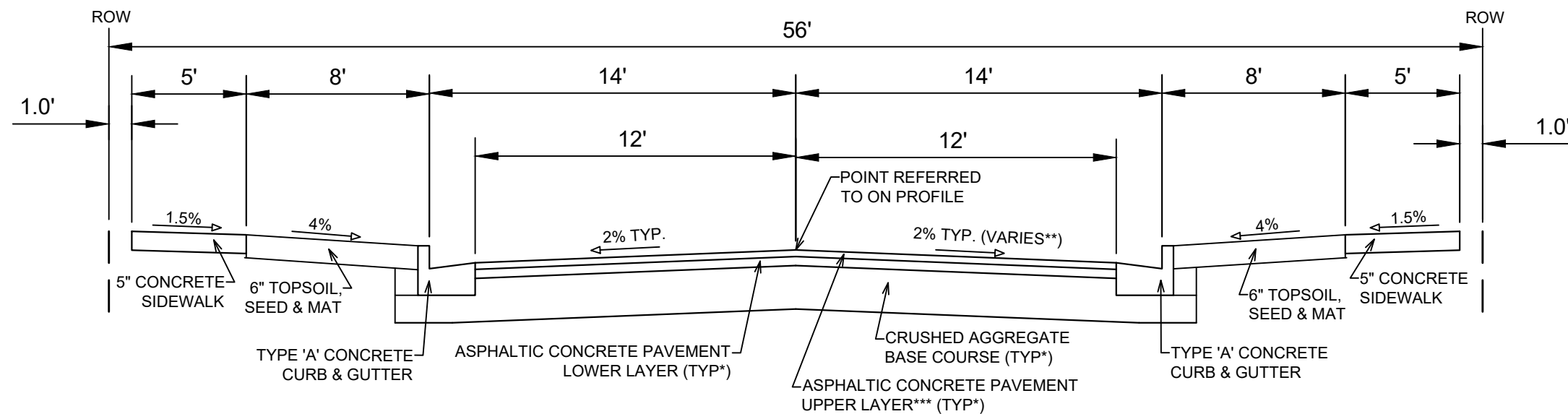
GENERAL NOTES  
EAGLE TRACE 6  
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13765  
D-1



**TYPICAL SECTION**  
TAWNY ELM PARKWAY  
NOT TO SCALE



**TYPICAL SECTION**  
VELVET WILLOW WAY  
RUSTIC RISE WAY  
NOT TO SCALE

**NOTES:**

- \* RUSTIC RISE WAY SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- \* VELVET WILLOW WAY SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- \* THE DEVELOPER SHALL BE RESPONSIBLE FOR ALL SURFACE PAVING OF PHASE 6 (PROJECT No. 13765 , CONTRACT No. 9069)

CITY OF MADISON MINIMUM PAVEMENT DESIGN †

TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT 58-28 S/H	2.00"



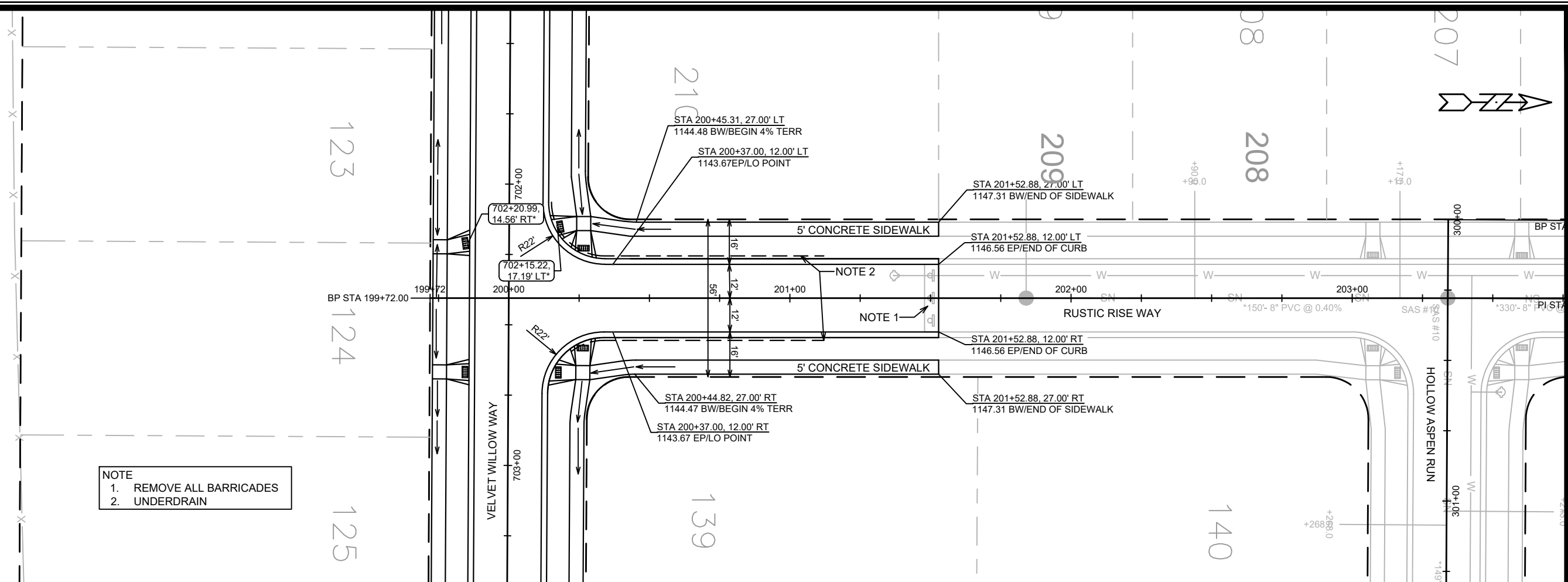
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CONTRACT NO:

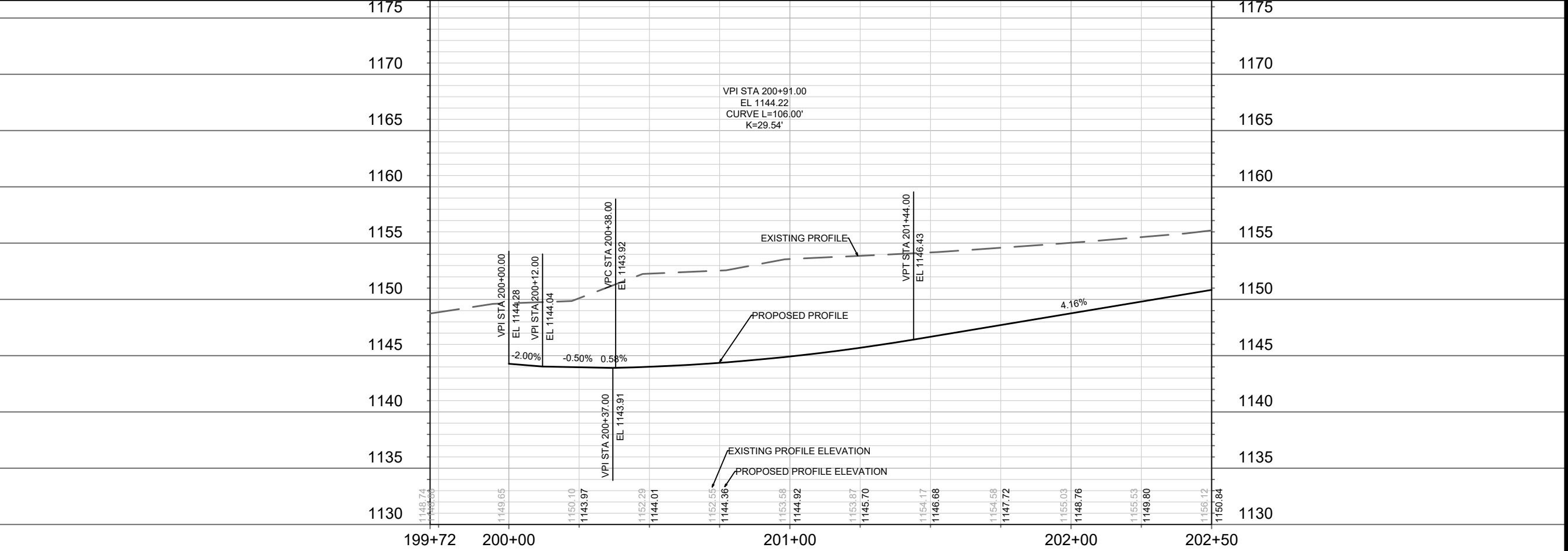
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D-2



NOTE  
 1. REMOVE ALL BARRICADES  
 2. UNDERDRAIN

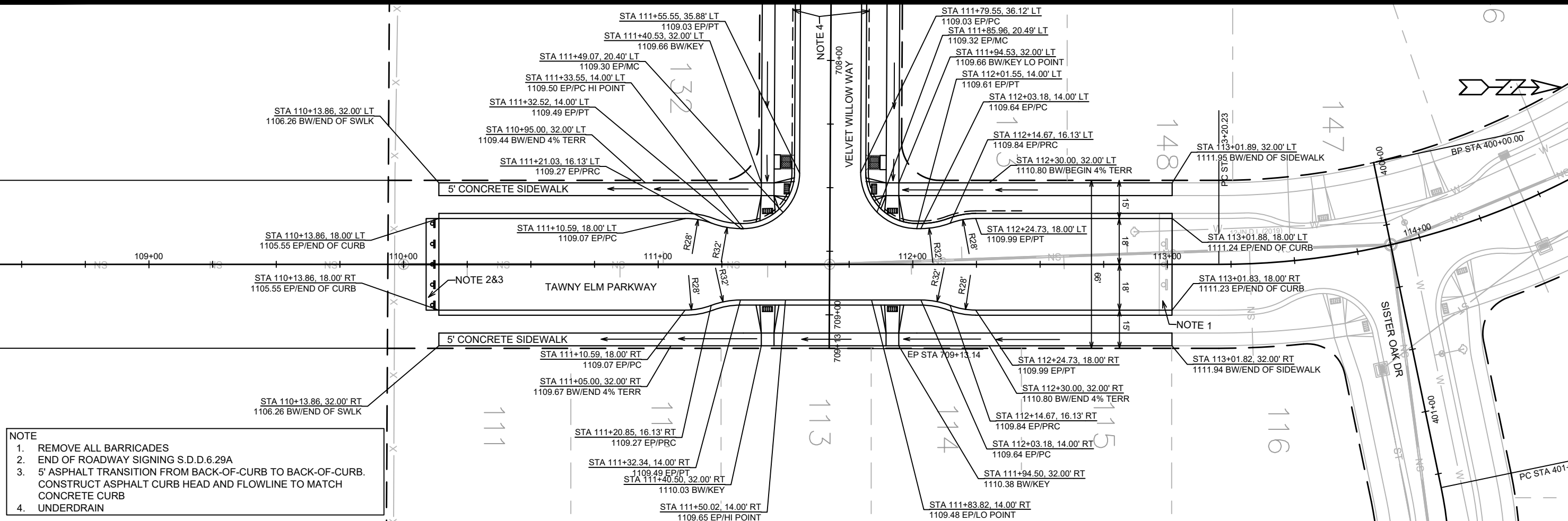


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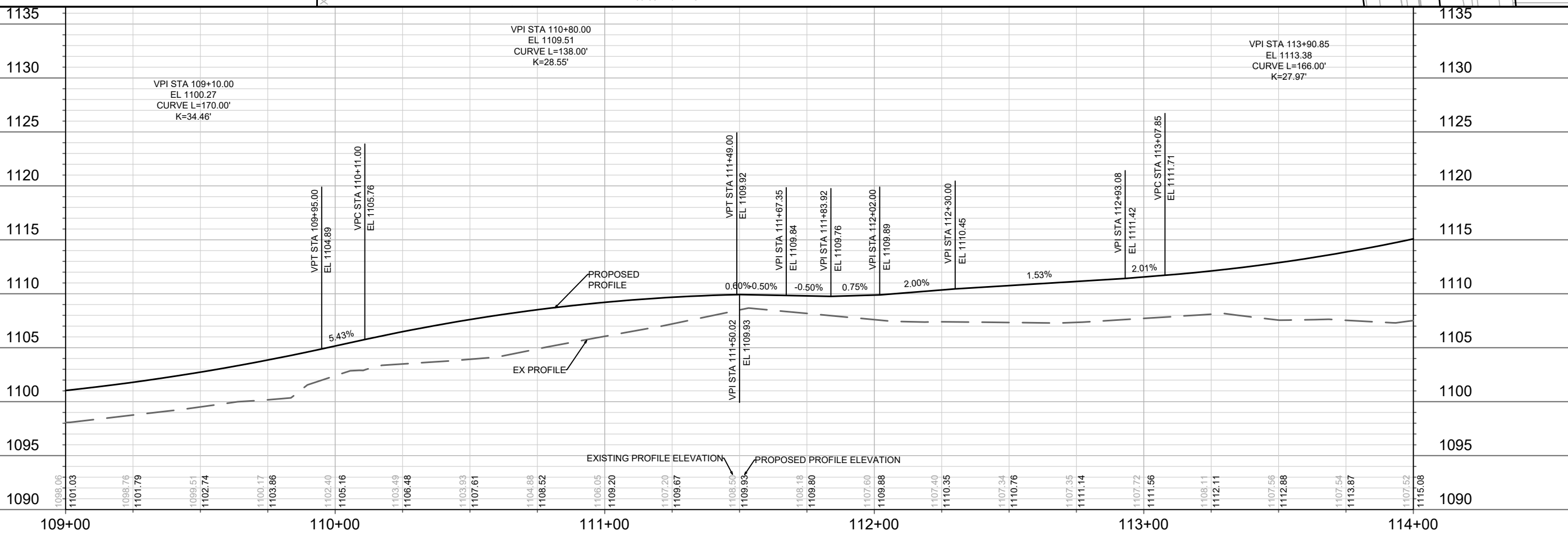
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 CONTRACT NO: 9068

RUSTIC RISE WAY-PLAN & PROFILE  
 EAGLE TRACE 6  
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 P-1



- NOTE**
1. REMOVE ALL BARRICADES
  2. END OF ROADWAY SIGNING S.D.D.6.29A
  3. 5' ASPHALT TRANSITION FROM BACK-OF-CURB TO BACK-OF-CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB
  4. UNDERDRAIN



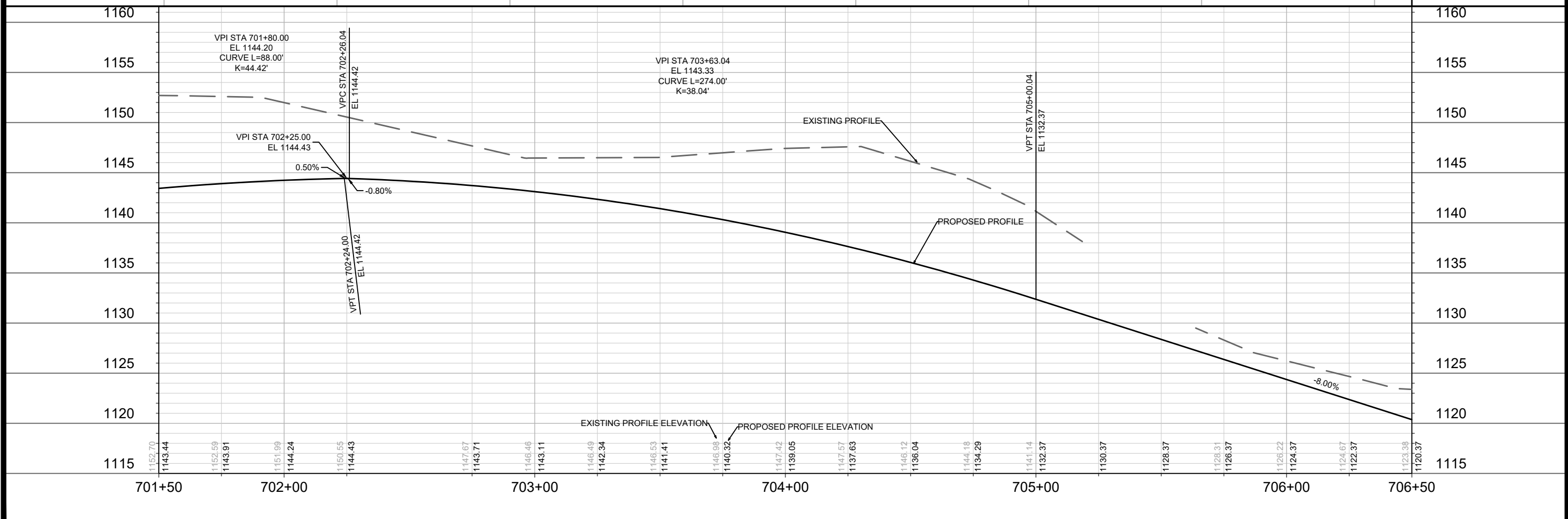
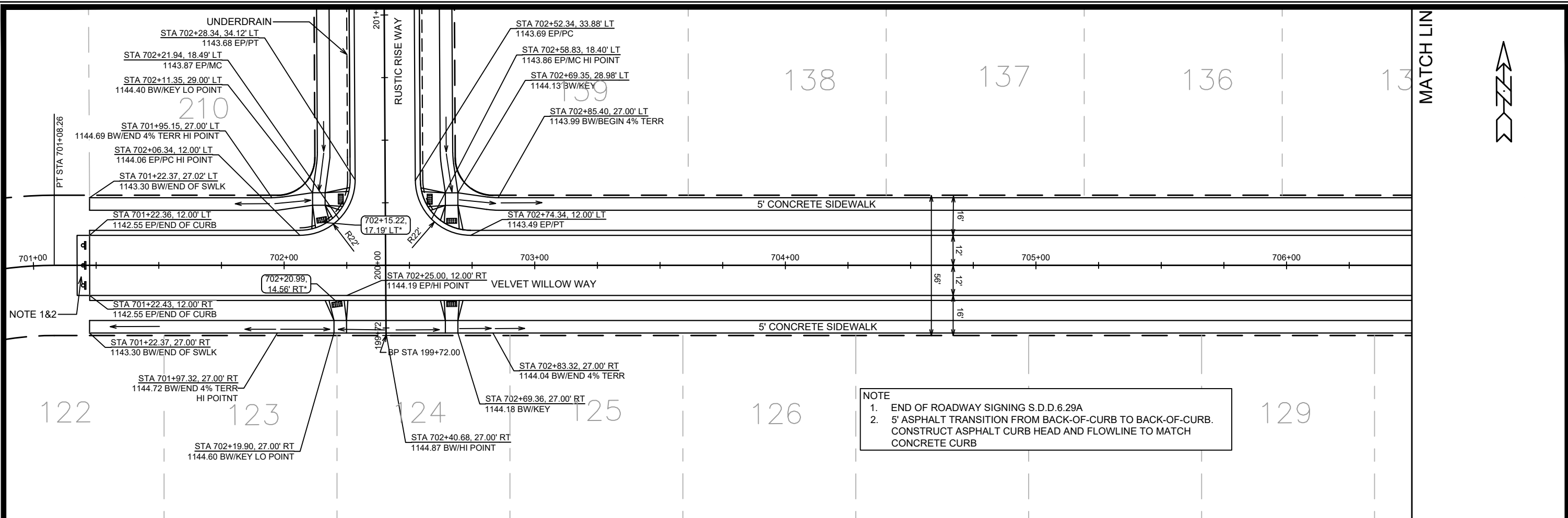
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CONTRACT NO:

TAWNY ELM PKWY PLAN & PROFILE  
EAGLE TRACE

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P-3	P-3	P-3	P-3

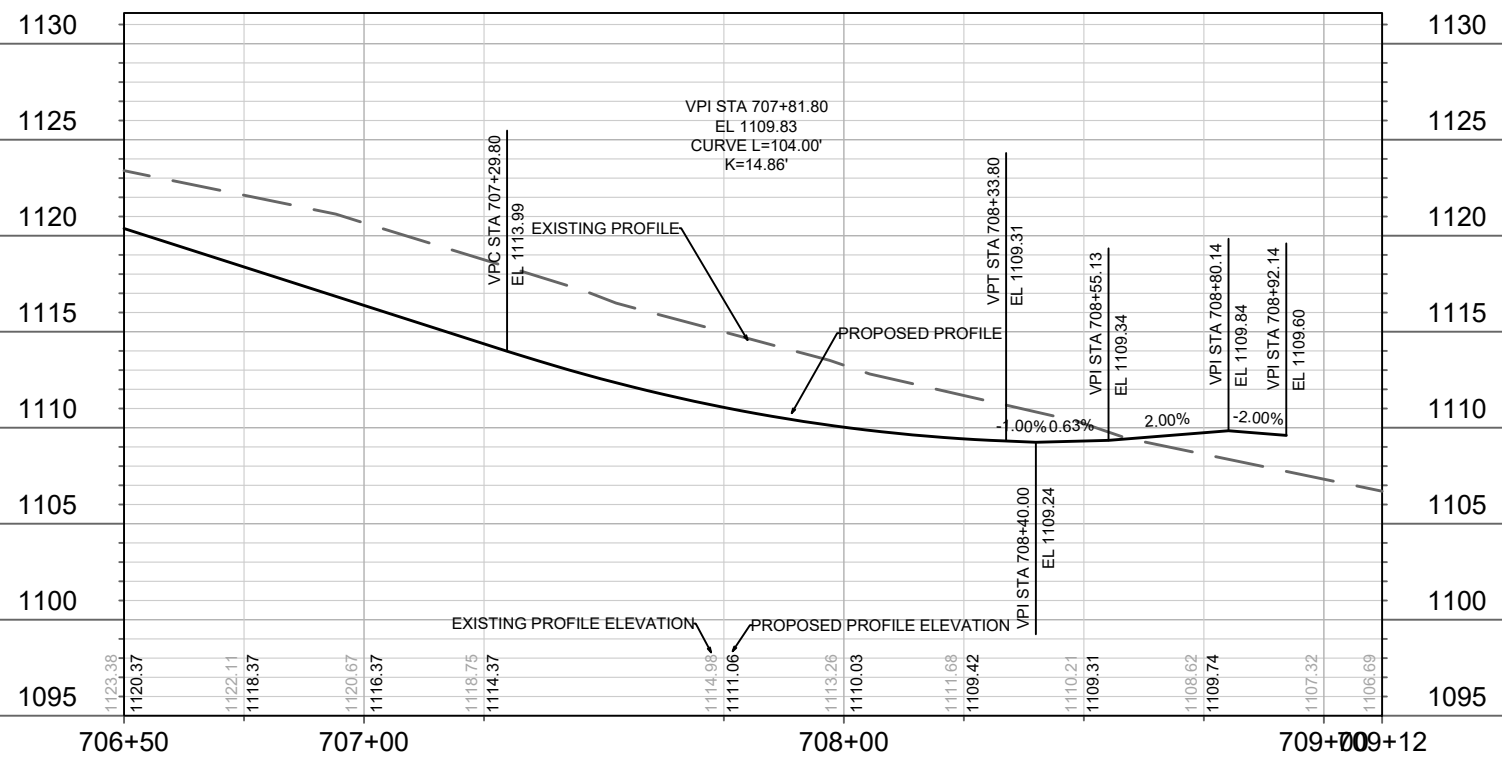
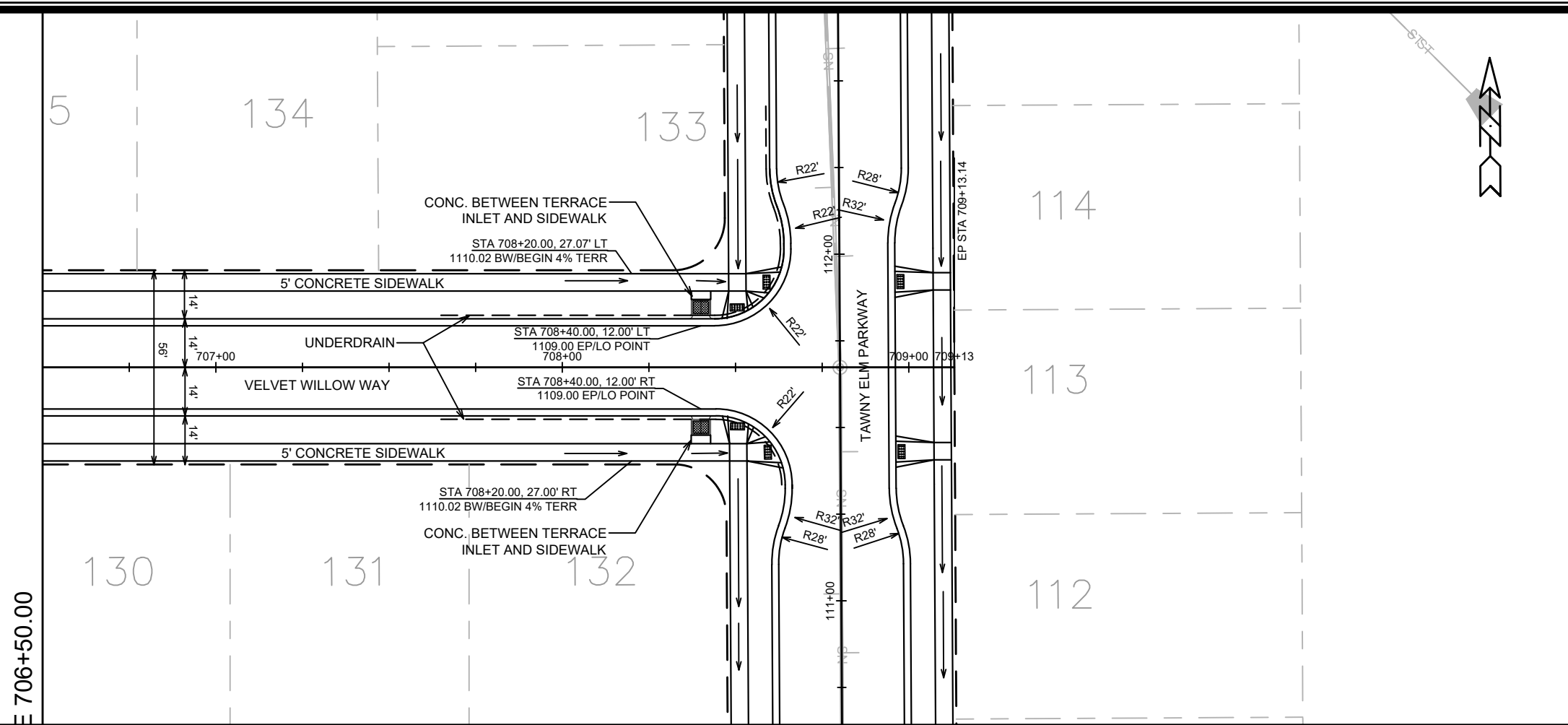
**VELVET WILLOW WAY PLAN & PROFILE**

**EAGLE TRACE**

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**13765**

**P-3**

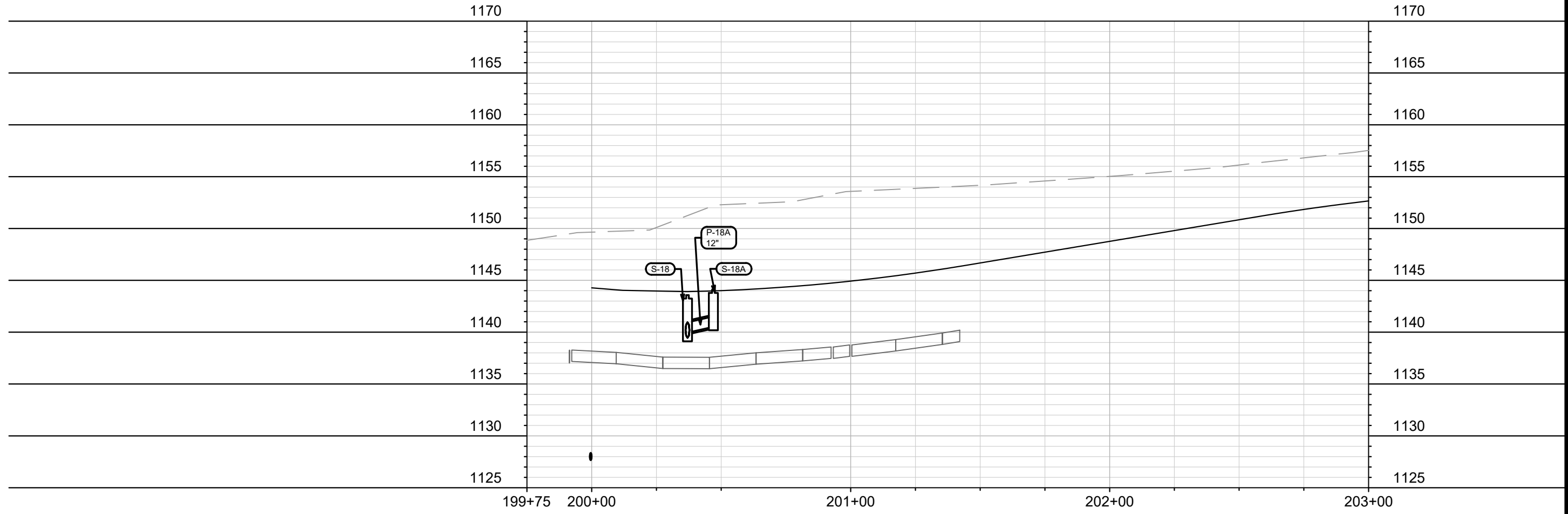
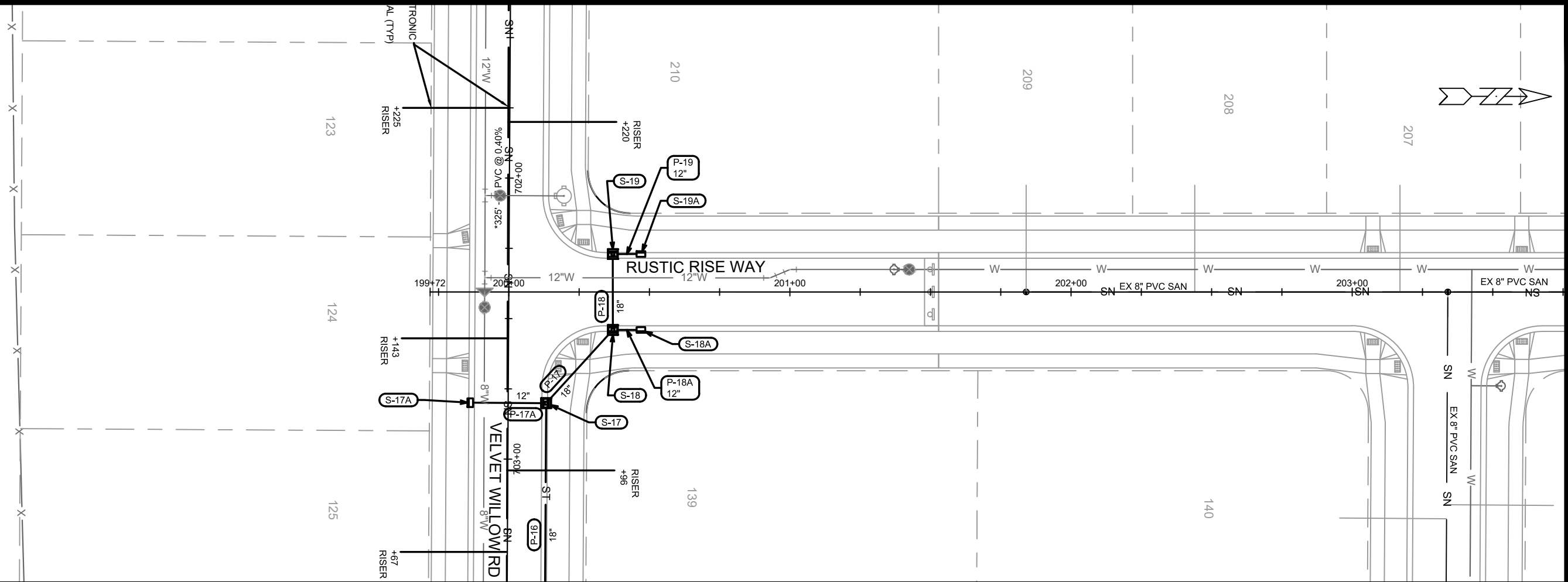


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MADISON, WI  
9068  
CONTRACT NO:

VELVET WILLOW WAY PLAN & PROFILE  
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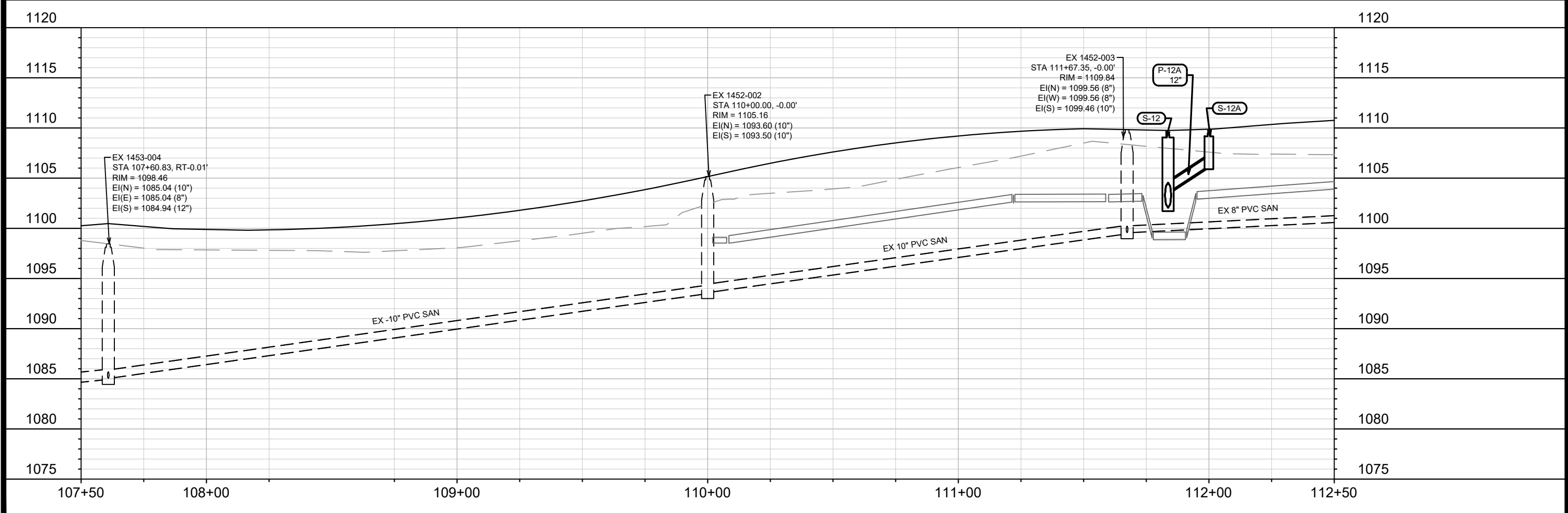
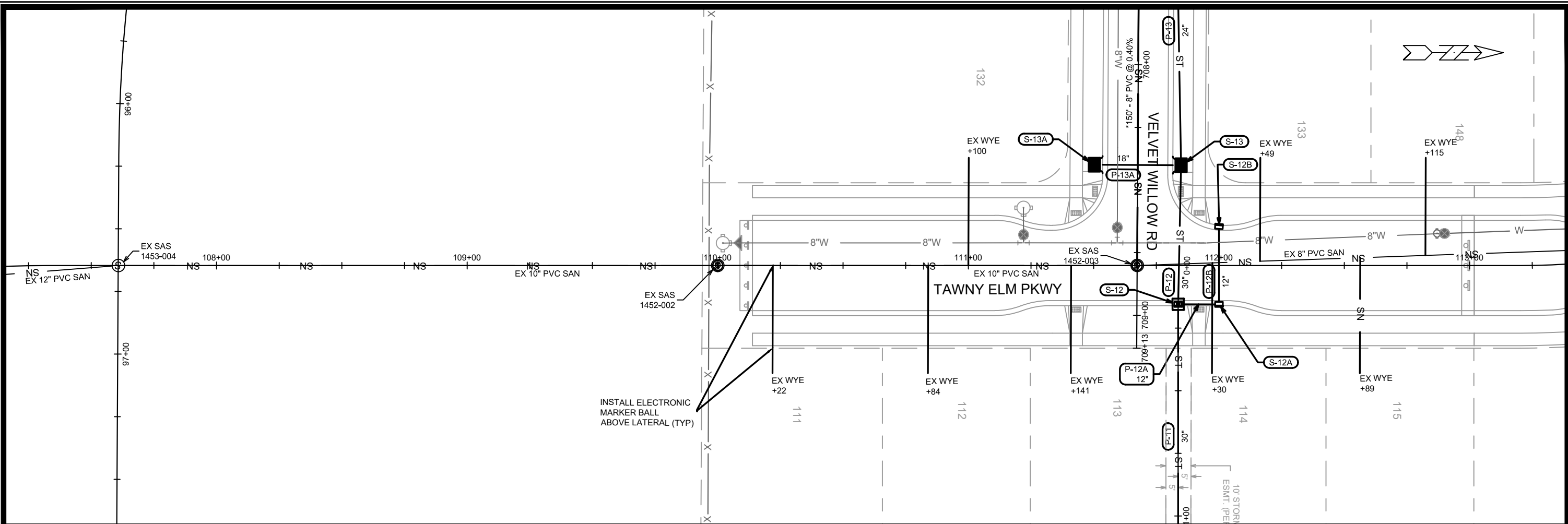
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CONTRACT NO: 9068

RUSTIC RISE WAY - UTILITIES PLAN & PROFILE  
EAGLE TRACE PHASE 6  
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U-1





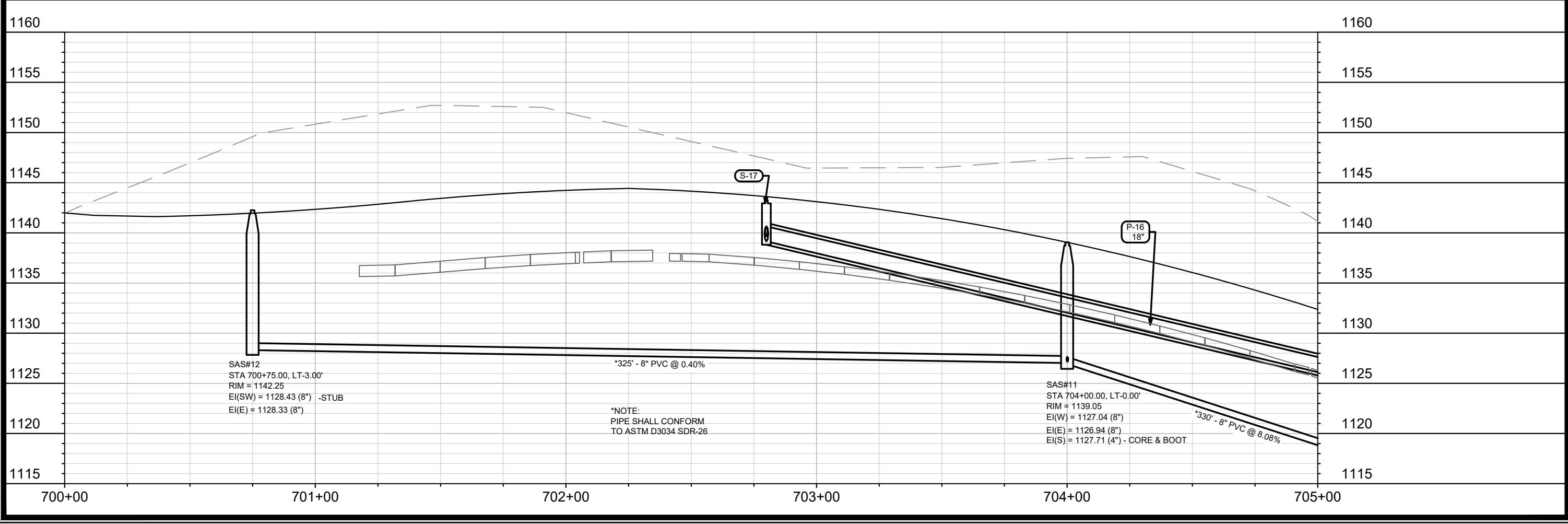
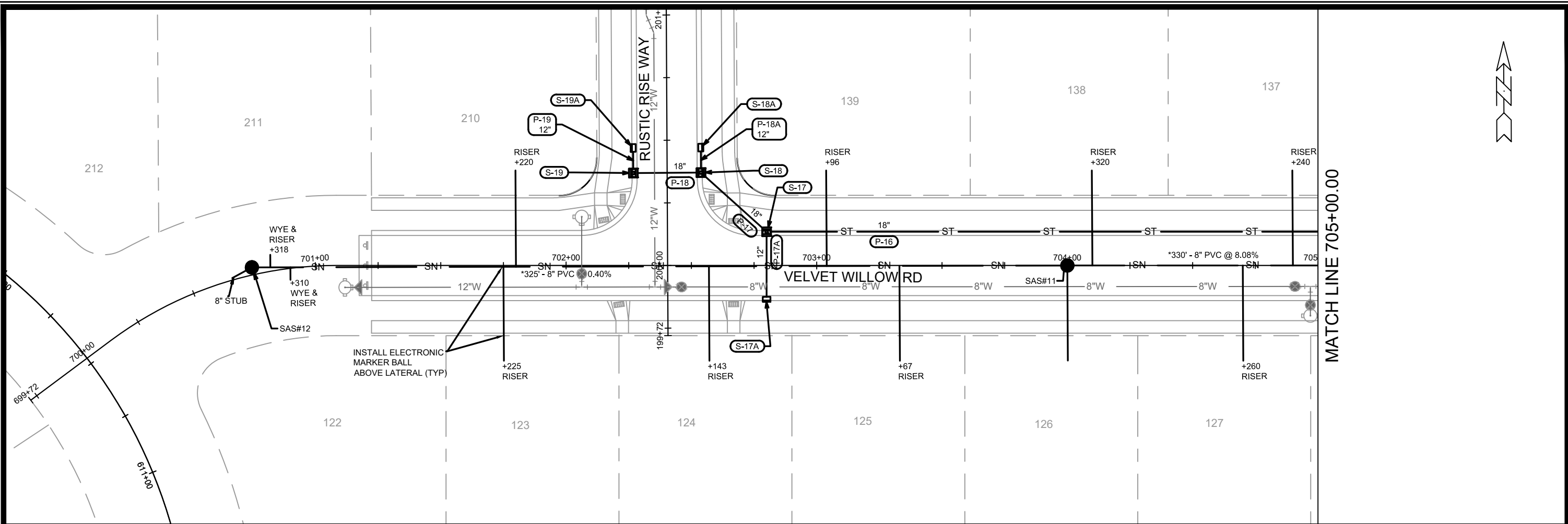
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MADISON, WI  
CONTRACT NO: 9068

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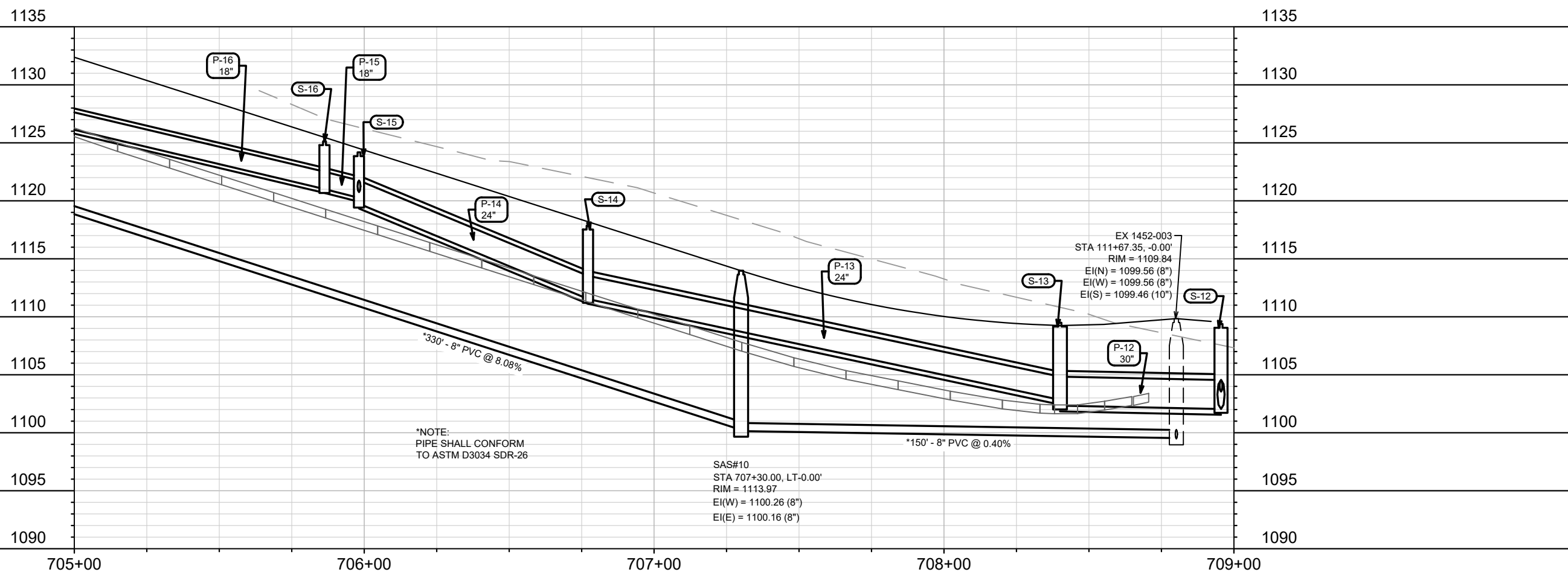
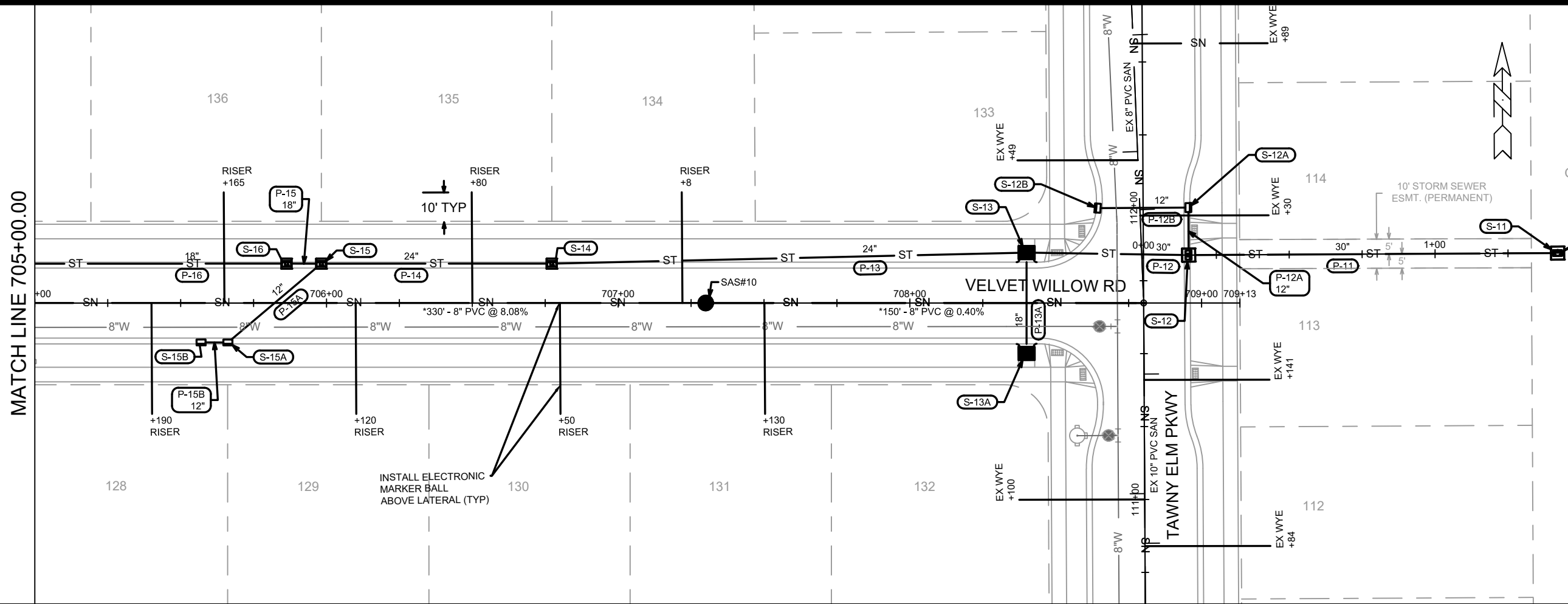
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MADISON, WI  
CONTRACT NO: 9068

VELVET WILLOW WAY - UTILITIES PLAN & PROFILE  
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U-3

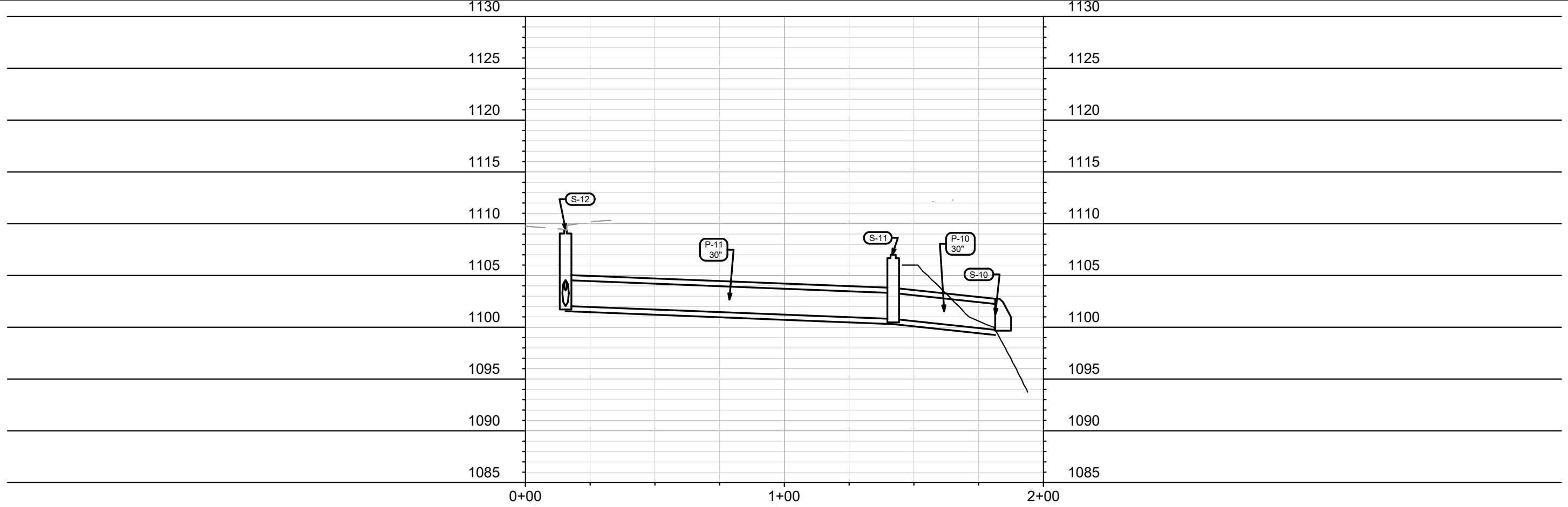
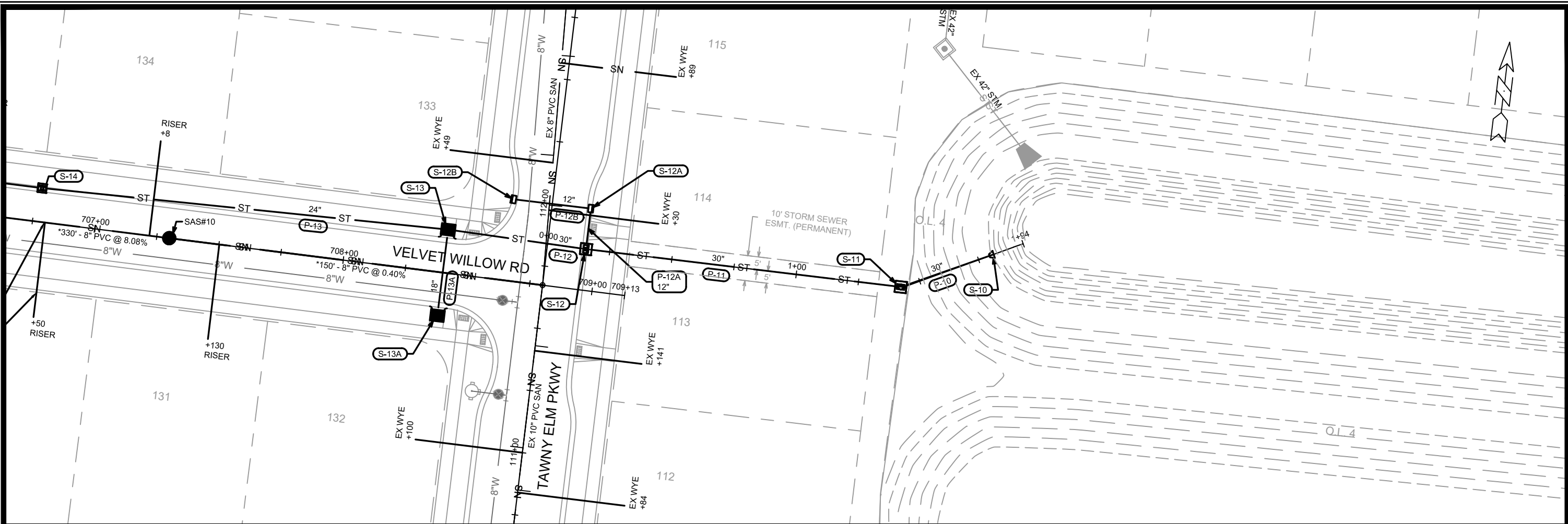


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13765 MADISON, WI 9068 CONTRACT NO: U-4

13765 - UTILITIES PLAN & PROFILE  
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13765 U-4



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 CONTRACT NO: 9068  
 STORM EASEMENT - STORM PLAN & PROFILE  
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 U-5

# SANITARY SEWER SCHEDULE

EAGLE TRACE PHASE 6

SHEET NO.

PROJECT NO. 13765

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>VELVET WILLOW WAY</b>						
SAS#10	707+30.00	CL	1113.97	1100.16	13.81	-
SAS#11	704+00.00	CL	1139.05	1126.94	12.11	-
SAS#12	700+75.00	LT-3.00	1142.25	1128.33	13.92	-

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EX 1452-003	SAS#10	1099.56	1100.16	150	0.40%	8"	SDR-26	-
SAS#10	SAS#11	1100.26	1126.94	330	8.08%	8"	SDR-26	-
SAS#11	SAS#12	1127.04	1128.33	325	0.40%	8"	SDR-26	-

## 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

EAGLE TRACE PHASE 6	SHEET NO.
PROJECT NO. 13765	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>STORM SEWER EASEMENT</b>							
S-10	1+81.40	CL	30" RCP APRON END	-	1099.75	-	W/ GATE
S-11	1+42.01	CL	4X4 SAS	1107.00	1100.80	6.20	W/ R-1550
<b>TAWNY ELM PKWY</b>							
S-12	111+83.70	RT-15.50	4X4 SAS	1109.86	1102.05	7.81	LP; W/ R-3067-7004-VB
S-12A	112+00.00	RT-15.50	H INLET	1109.98	1106.22	3.76	W/ R-3067-7004-V
S-12B	112+00.00	LT-15.60	H INLET	1109.97	1106.43	3.54	W/ R-3067-7004-V
<b>VELVET WILLOW WAY</b>							
S-13	708+40.00	LT-17.30	TERRACE INLET TYPE II	1109.18	1102.34	6.84	FP; LP; PER SDD 5.7.12A
S-13A	708+40.00	RT-17.30	TERRACE INLET TYPE II	1109.18	1104.78	4.40	FP; LP; PER SDD 5.7.12A
S-14	706+77.20	LT-13.50	3X3 SAS	1118.33	1111.53	6.80	W/ R-3067-V
S-15	705+98.20	RT-13.50	3X3 SAS	1124.65	1119.75	4.90	W/ R-3067-V
S-15A	705+66.20	RT-13.50	H INLET	1127.21	1123.61	3.60	W/ R-3067-V
S-15B	705+57.00	RT-13.50	H INLET	1127.95	1124.35	3.60	W/ R-3067-V
S-16	705+86.30	LT-13.50	3X3 SAS	1125.61	1121.01	4.60	W/ R-3067-V
S-17	702+80.00	LT-13.50	3X3 SAS	1143.75	1139.15	4.60	W/ R-3067-V
S-17A	702+80.00	RT-13.50	H INLET	1143.75	1140.15	3.60	W/ R-3067-V
<b>RUSTIC RISE WAY</b>							
S-18	200+37.00	RT-13.50	3X3 SAS	1144.05	1139.45	4.60	LP; W/ R-3067-7004-VB; (1)
S-18A	200+47.00	RT-13.50	H INLET	1144.12	1140.52	3.60	W/ R-3067-V
S-19	200+37.00	LT-13.50	3X3 SAS	1144.05	1139.65	4.40	LP; W/ R-3067-7004-VB; (1)
S-19A	200+47.00	LT-13.50	H INLET	1144.12	1140.52	3.60	W/ R-3067-V

## PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>STORM SEWER EASEMENT</b>										
P-10	S-10	S-11	1099.75	1100.80	39	37	2.84%	30"	TYPE I	-
P-11	S-11	S-12	1100.80	1102.05	127	123	1.02%	30"	TYPE I	-
<b>TAWNY ELM PKWY</b>										
P-12	S-12	S-13	1102.05	1102.34	56	51	0.57%	30"	TYPE I	-
P-12A	S-12	S-12A	1103.55	1106.22	16	13	20.54%	12"	TYPE II	-
P-12B	S-12A	S-12B	1106.22	1106.43	31	29	0.72%	12"	TYPE I	-
<b>VELVET WILLOW WAY</b>										
P-13	S-13	S-14	1102.84	1111.53	163	159	5.47%	24"	TYPE II	-
P-13A	S-13	S-13A	1103.34	1104.78	35	31	4.65%	18"	TYPE I	-
P-14	S-14	S-15	1111.53	1119.75	79	76	10.82%	24"	TYPE II	-
P-15	S-15	S-16	1120.25	1121.01	12	9	8.44%	18"	TYPE II	-
P-15A	S-15	S-15A	1120.75	1123.61	42	38	7.53%	12"	TYPE I	-
P-15B	S-15A	S-15B	1123.61	1124.35	9	6	12.33%	12"	TYPE II	-
P-16	S-16	S-17	1121.01	1139.15	306	303	5.99%	18"	TYPE II	-
P-17	S-17	S-18	1139.15	1139.45	35	31	0.97%	18"	TYPE II	-
P-17A	S-17	S-17A	1139.65	1140.15	27	25	2.00%	12"	TYPE I	-
<b>RUSTIC RISE WAY</b>										
P-18	S-18	S-19	1139.45	1139.65	27	24	0.83%	18"	TYPE I	-
P-18A	S-18	S-18A	1139.95	1140.52	10	7	8.14%	12"	TYPE II	-
P-19	S-19	S-19A	1140.15	1140.52	10	7	5.29%	12"	TYPE II	-

## SPECIFIC NOTES:

(1) INSTALL LOW POINT PVC DRAIN; SEE S.D.D. 5.7.7A

## 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.

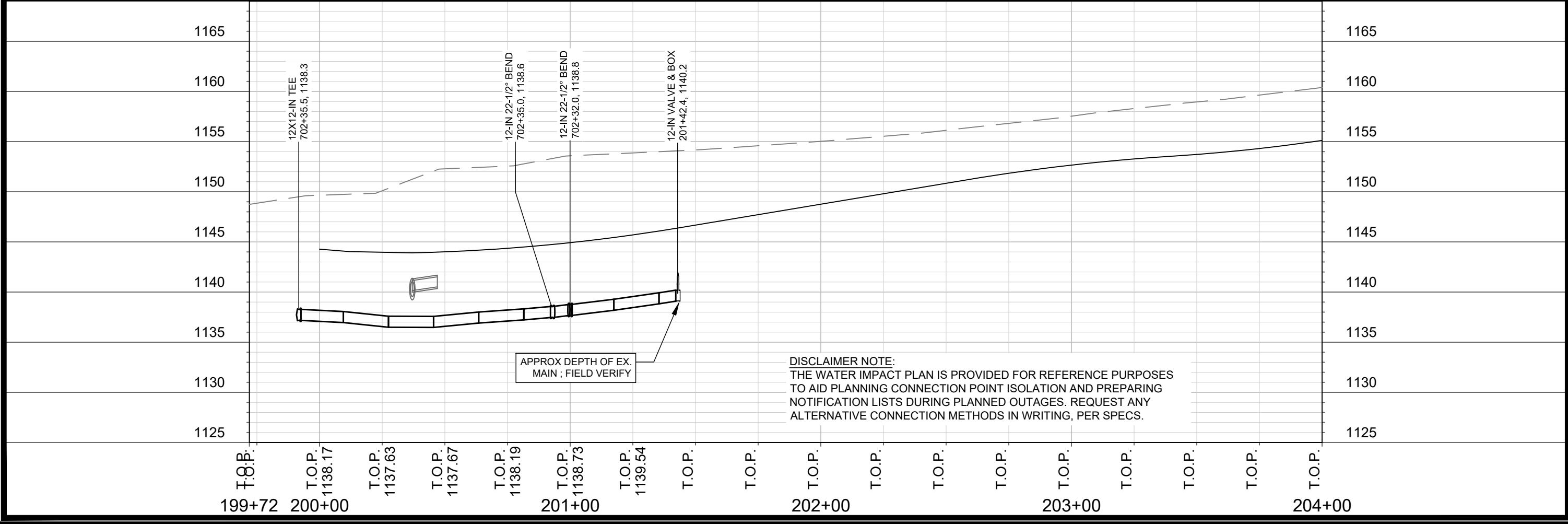
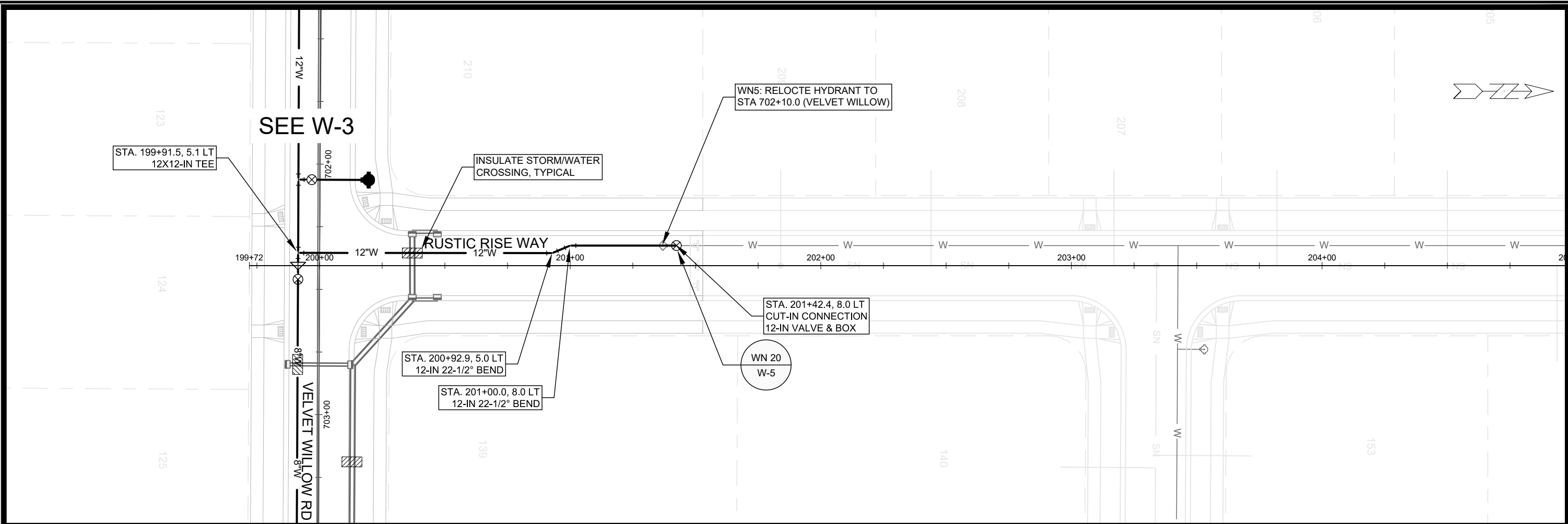
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- 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



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.

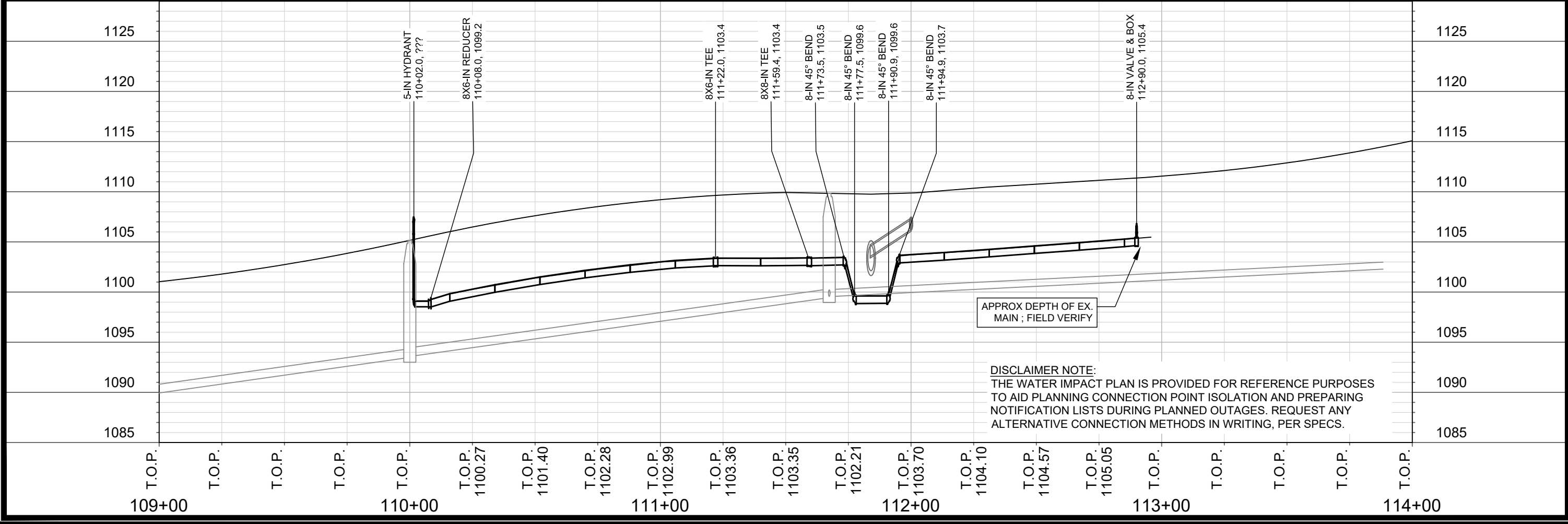
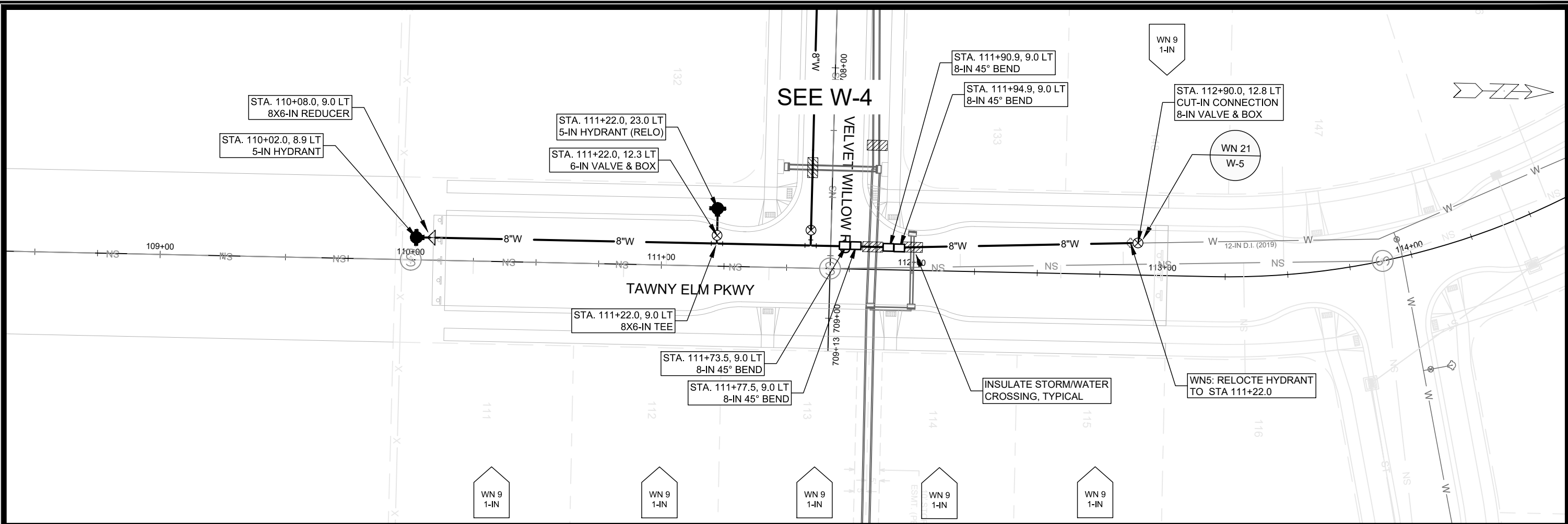
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 DESIGNED BY: KBM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 3/23/22

CONTRACT NO: 9068

EAGLE TRACE: PHASE 6  
 - RUSTIC RISE WAY WATER PLAN & PROFILE  
 CITY OF MADISON, WISCONSIN



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 W-1

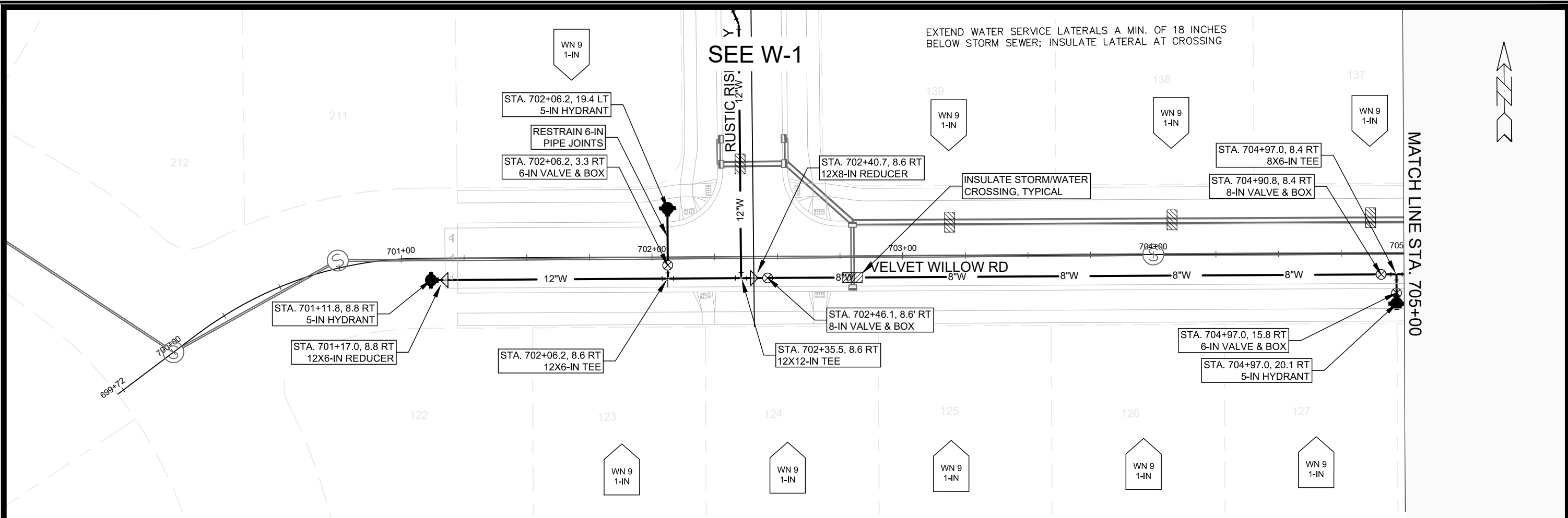


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 DESIGNED BY: KBM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 3/23/22

EAGLE TRACE: PHASE 6  
 TAWNY ELM PKWY WATER PLAN & PROFILE  
 CITY OF MADISON, WISCONSIN  
 CONTRACT NO: 9068

13765  
 W-2

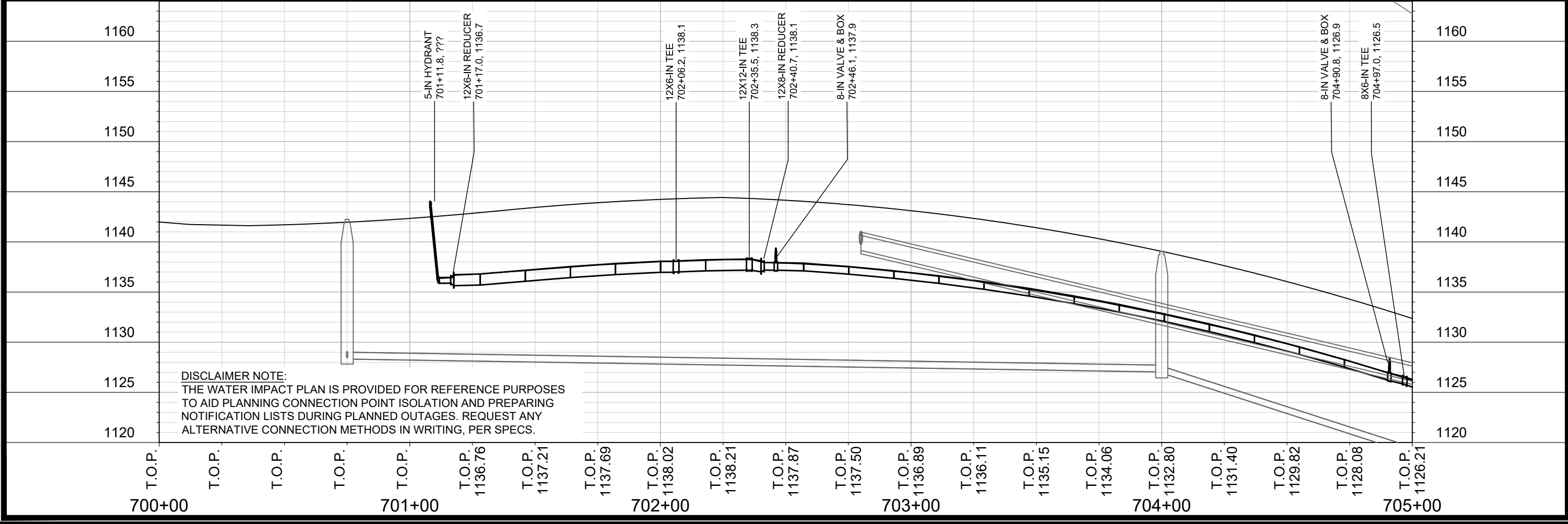




EXTEND WATER SERVICE LATERALS A MIN. OF 18 INCHES BELOW STORM SEWER; INSULATE LATERAL AT CROSSING

SEE W-1

MATCH LINE STA. 705+00



SCALE: 1" = 40'

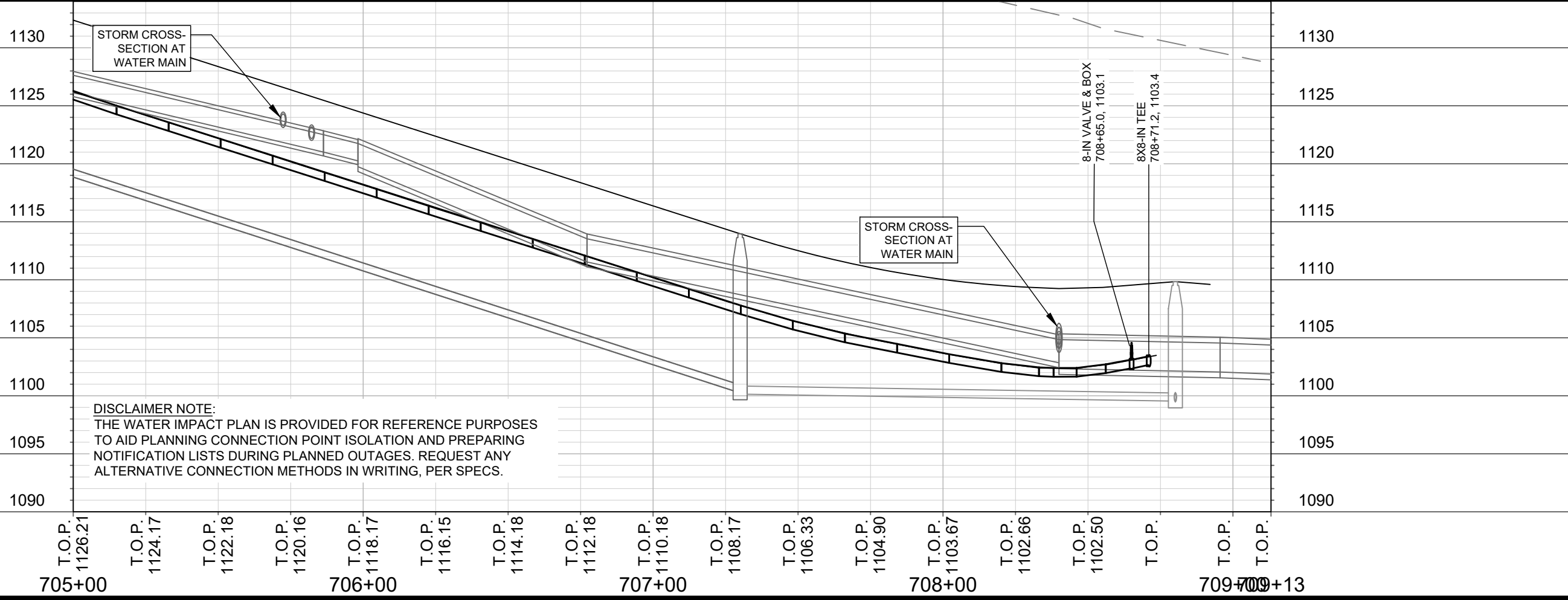
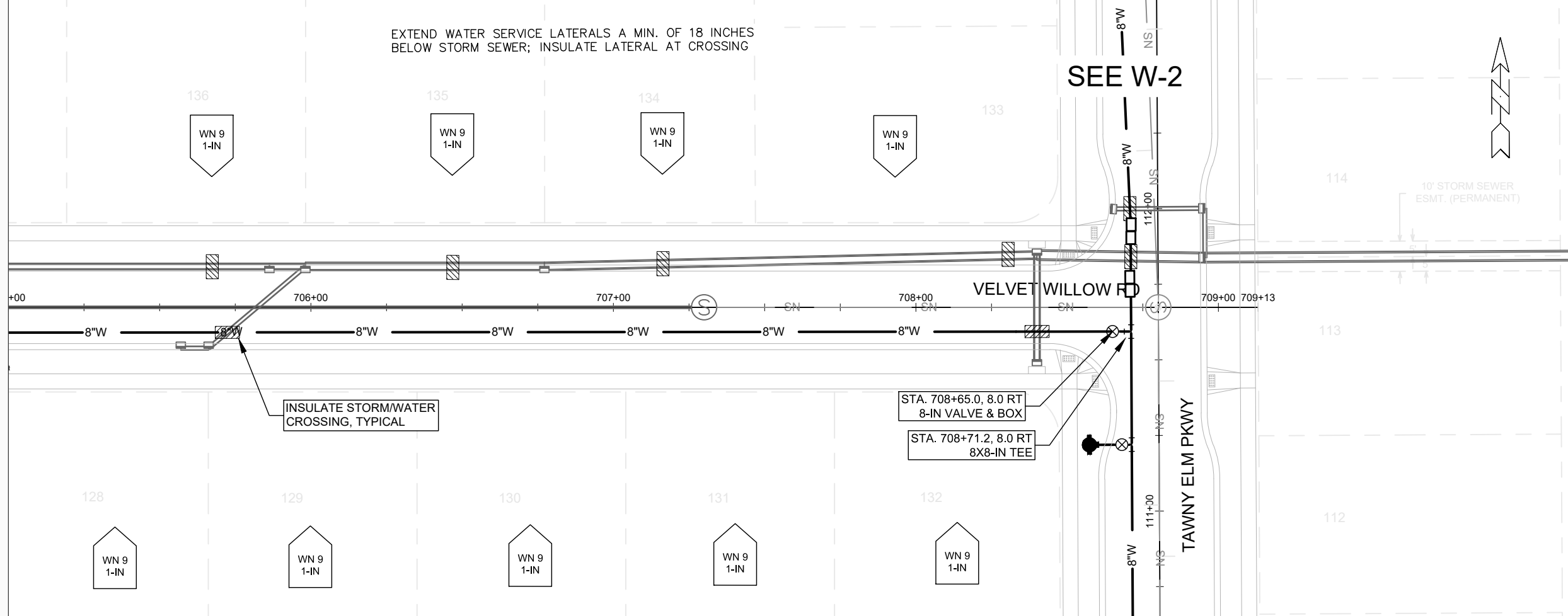
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MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 3/23/22

CONTRACT NO: 9068

EAGLE TRACE: PHASE 6  
- VELVET WILLOW WAY WATER PLAN & PROFILE  
CITY OF MADISON, WISCONSIN

13765  
W-3

EXTEND WATER SERVICE LATERALS A MIN. OF 18 INCHES BELOW STORM SEWER; INSULATE LATERAL AT CROSSING



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.

SEE W-2

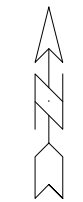
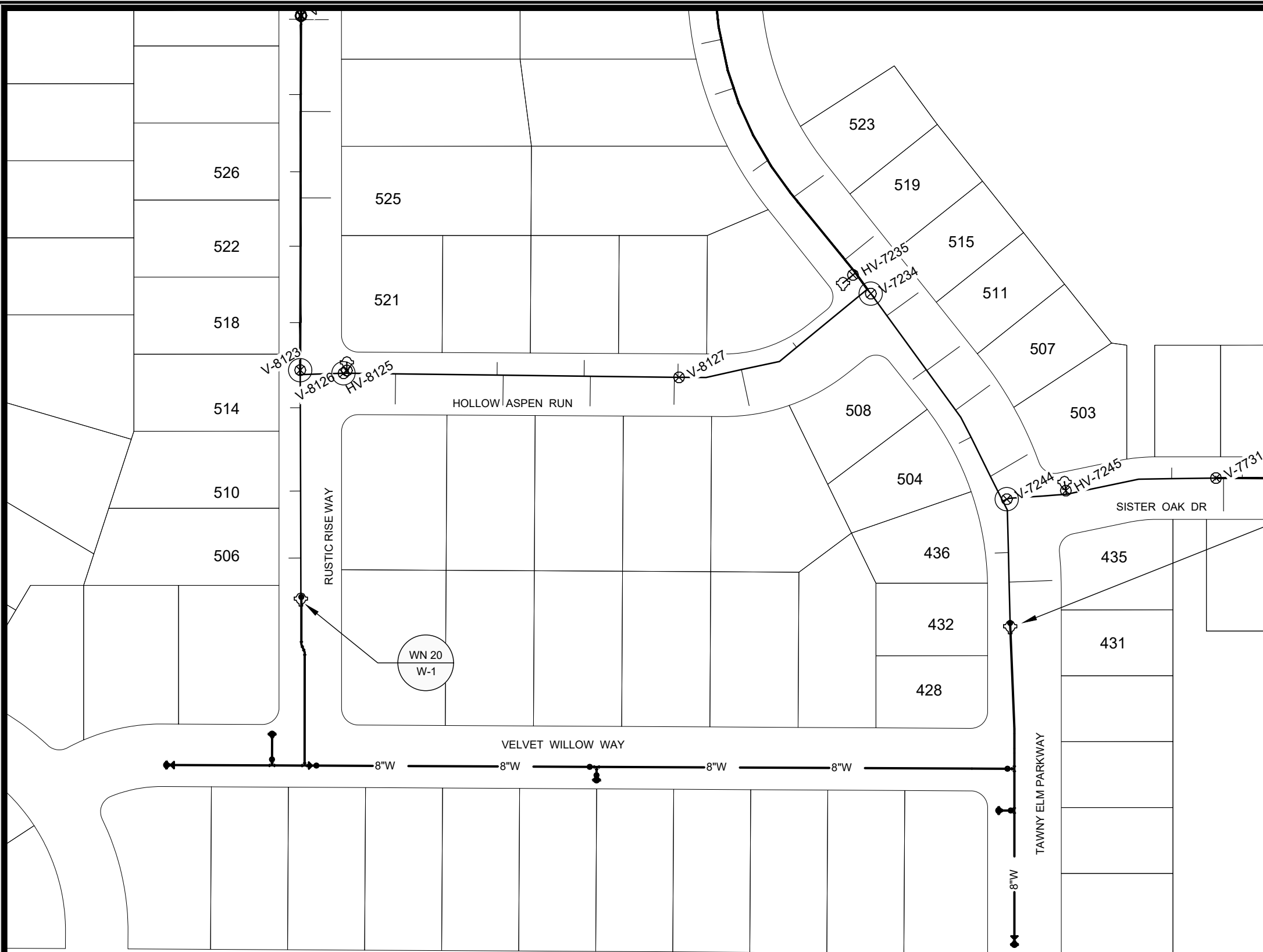
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 DESIGNED BY: KBM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
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CONTRACT NO: 9068

EAGLE TRACE: PHASE 6  
 - VELVET WILLOW WAY WATER PLAN & PROFILE  
 CITY OF MADISON, WISCONSIN



13765  
 W-4



WN-20  
 CONNECTION TO EX. 12-IN AT RUSTIC RISE WAY  
 ISOLATION VALVES:  
 - V-8123 (12-IN)  
 - V-8126 (8-IN)

WN-21  
 CONNECTION TO EX. 8-IN AT TAWNY ELM PKWY  
 ISOLATION VALVES:  
 - V-7234 (8-IN)  
 - V-7244 (8-IN)

**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.

SCALE: 1"=100'  
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 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 01/19/2022

CONTRACT NO: 9068

EAGLE TRACE PHASE 6  
 WATER IMPACT PLAN  
 CITY OF MADISON, WISCONSIN



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 W-5

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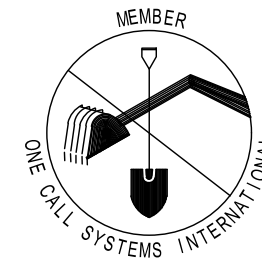
**CONSTRUCTION NOTES:**

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.</li> <li>2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.</li> <li>3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.</li> <li>4. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.</li> </ol> | <p>WN1 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> |
|---|---|

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.

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

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6 INCH PIPE & FITTINGS	75	LNFT
70003	FURNISH AND INSTALL 8 INCH PIPE & FITTINGS	930	LNFT
70005	FURNISH AND INSTALL 12 INCH PIPE & FITTINGS	280	LNFT
70031	FURNISH AND INSTALL 6 INCH WATER VALVE	3	EACH
70032	FURNISH AND INSTALL 8 INCH WATER VALVE	4	EACH
70034	FURNISH AND INSTALL 12 INCH WATER VALVE	1	EACH
70040	FURNISH AND INSTALL AND SALVAGE HYDRANT	3	EACH
70050	FURNISH AND INSTALL 1 INCH SERVICE LATERALS	24	EACH
70101	FURNISH AND INSTALL STYROFOAM	13	EACH
71123	8 IN 45° BEND	4	EACH
71137	12 IN 22 1/2° BEND	2	EACH
71159	8X6 IN REDUCER	1	EACH
71164	12X6 IN REDUCER	1	EACH
71165	12X8 IN REDUCER	1	EACH
71210	8X8 IN TEE	2	EACH
71211	8X8 IN TEE	1	EACH
71217	12X6 IN TEE	1	EACH
71220	12X12 IN TEE	1	EACH

**\*ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:**

N/A

**\*ESTIMATE OF MATERIALS SALVAGED:**

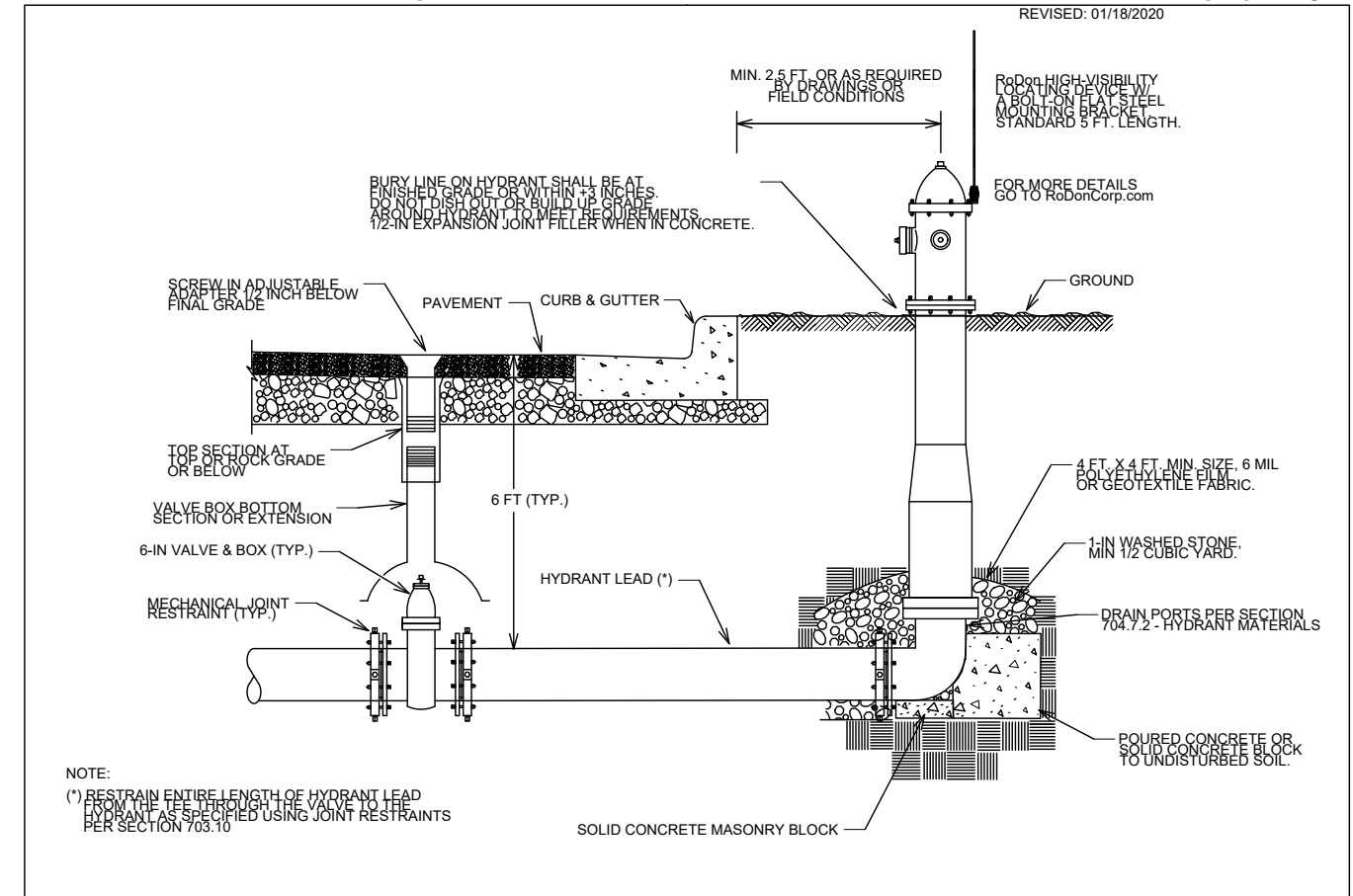
70040	SALVAGE & RELOCATE EXISTING HYDRANT	2	EACH
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*\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE OFF.*

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

**DETAIL DRAWING NO. 7.04**

REVISED: 01/18/2020



CITY OF MADISON  
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

SCALE: N/A

DESIGNED BY: KBM  
MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 01/19/2021

CONTRACT NO: 9068

EAGLE TRACE PHASE 6

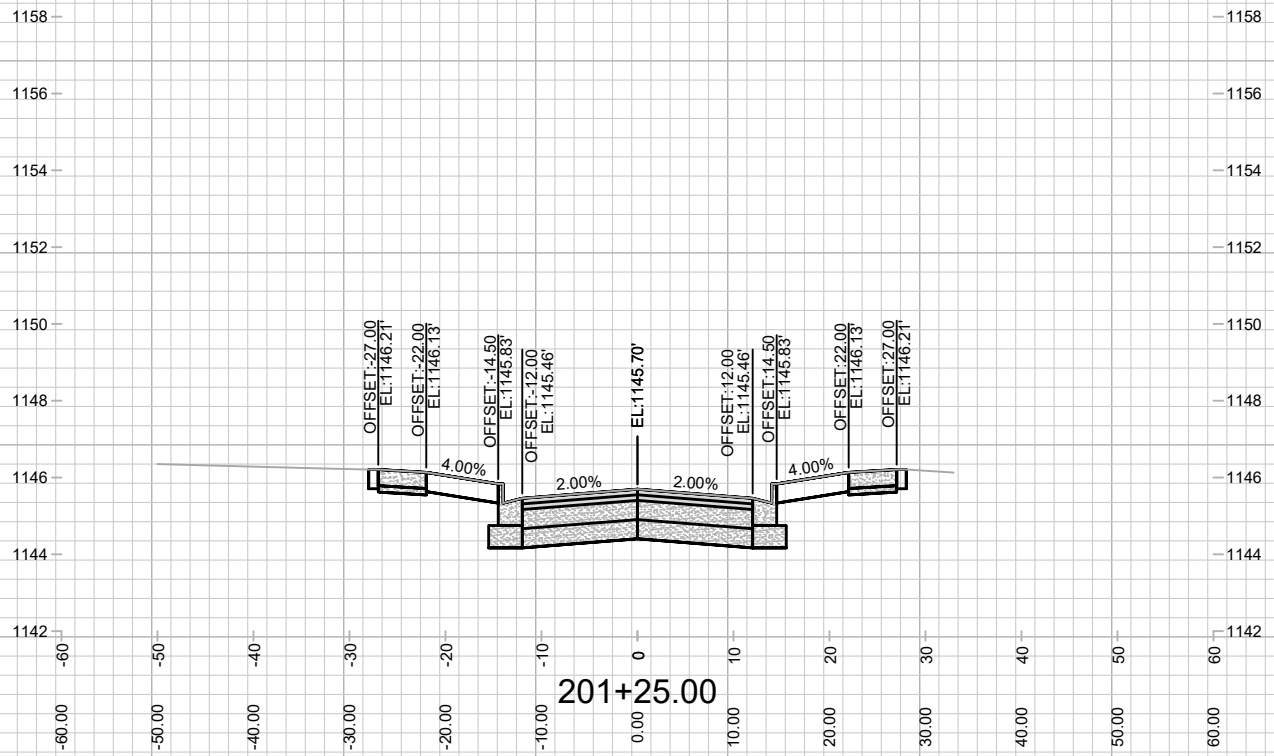
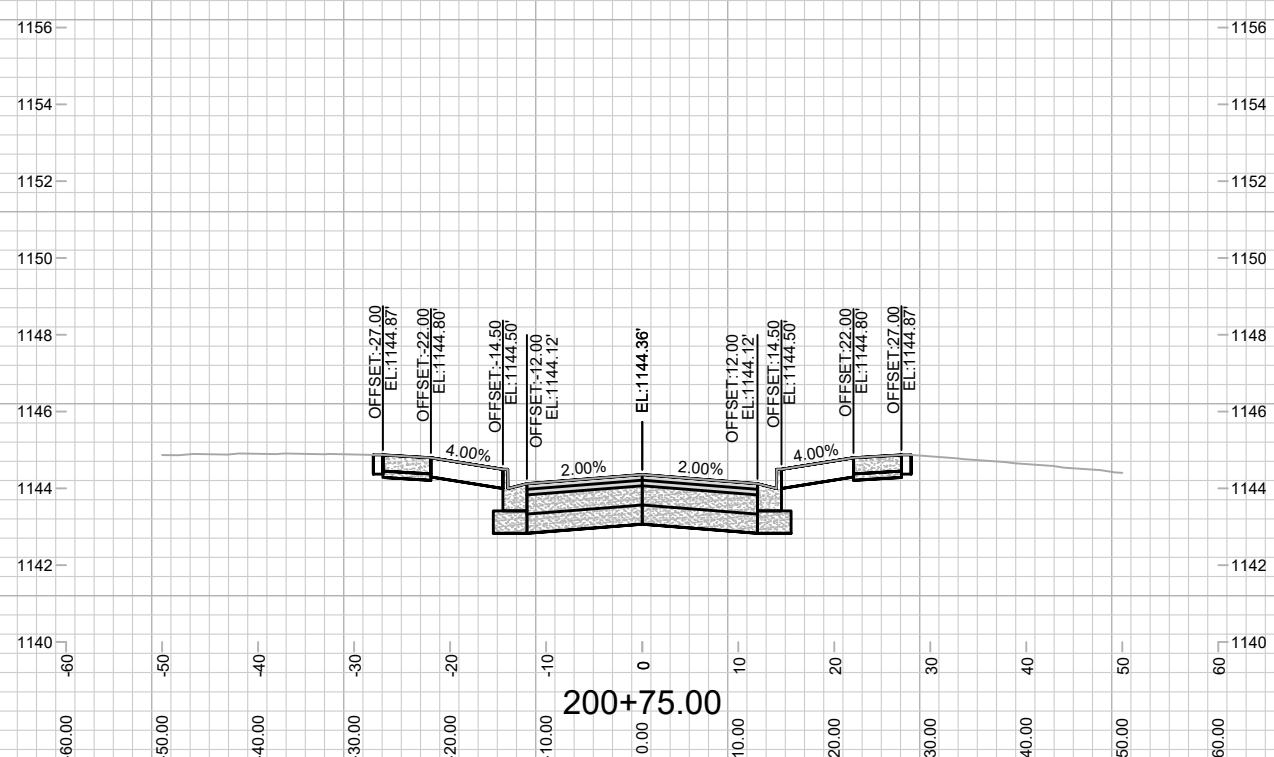
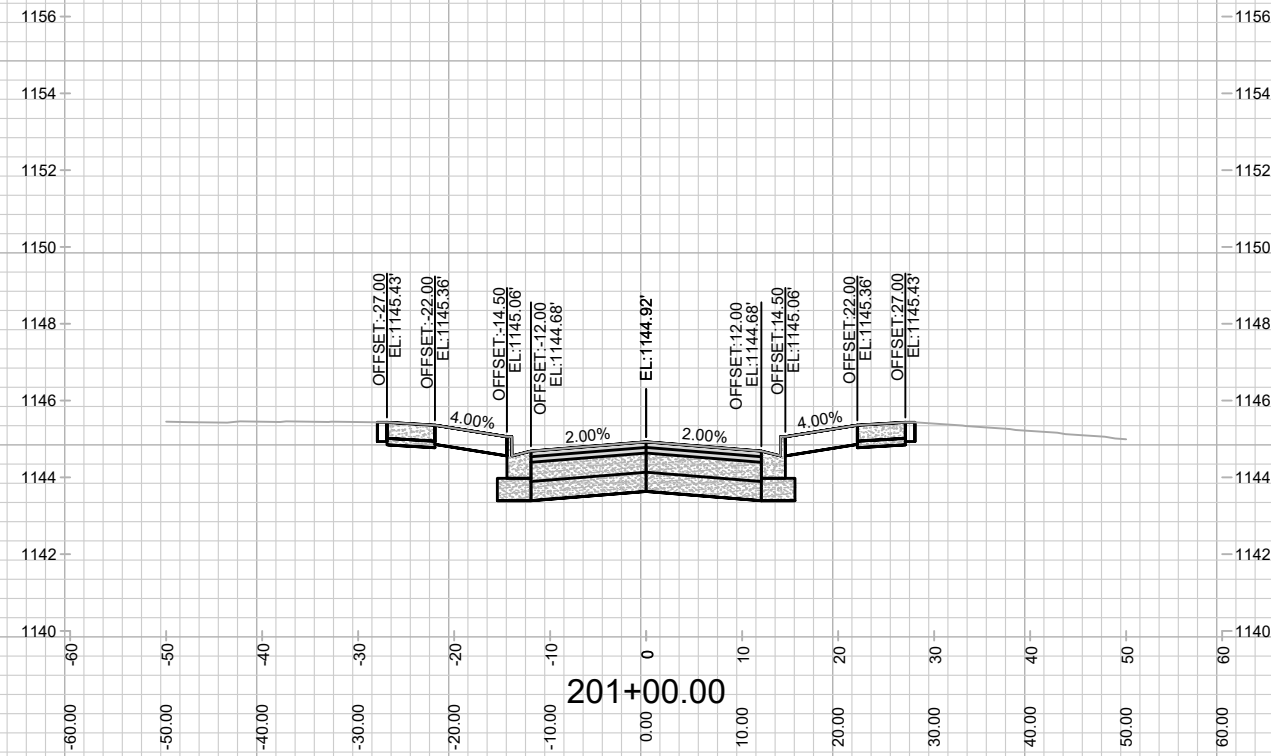
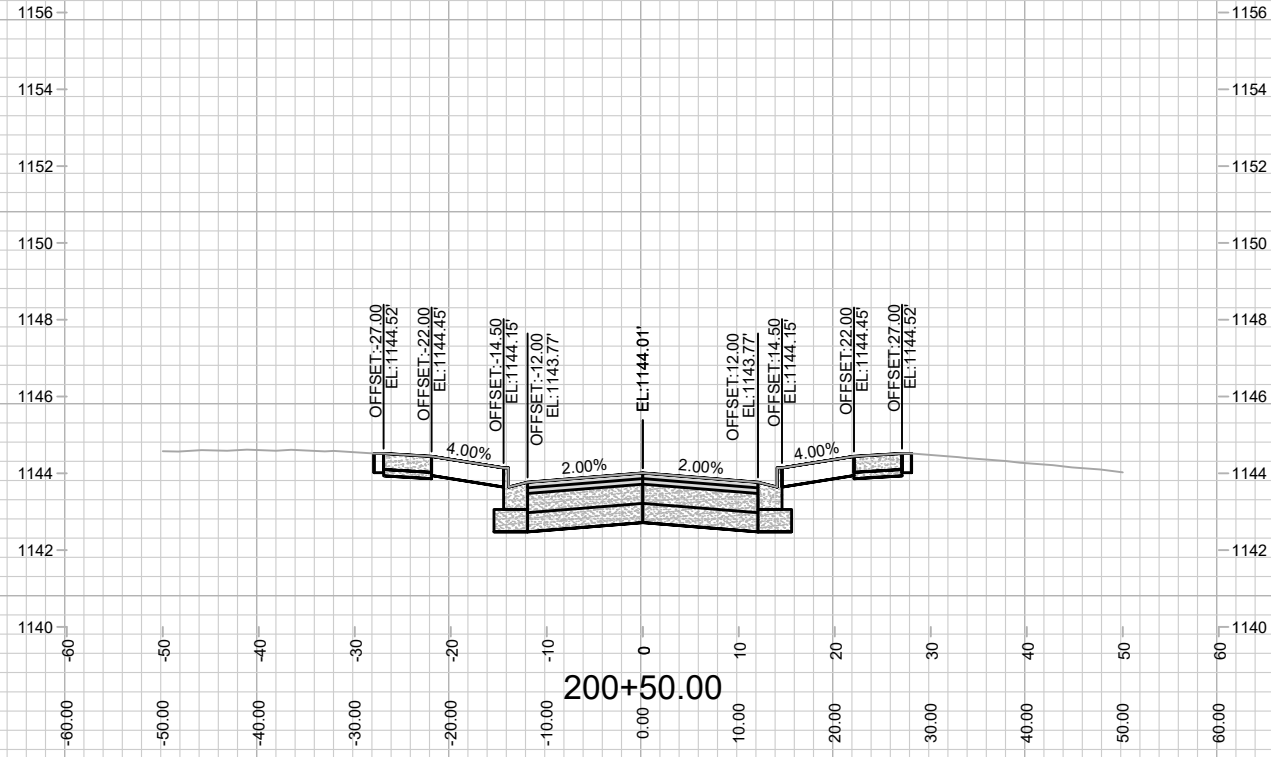
WATER ESTIMATE OF MATERIALS

CITY OF MADISON, WISCONSIN



13765

W-6



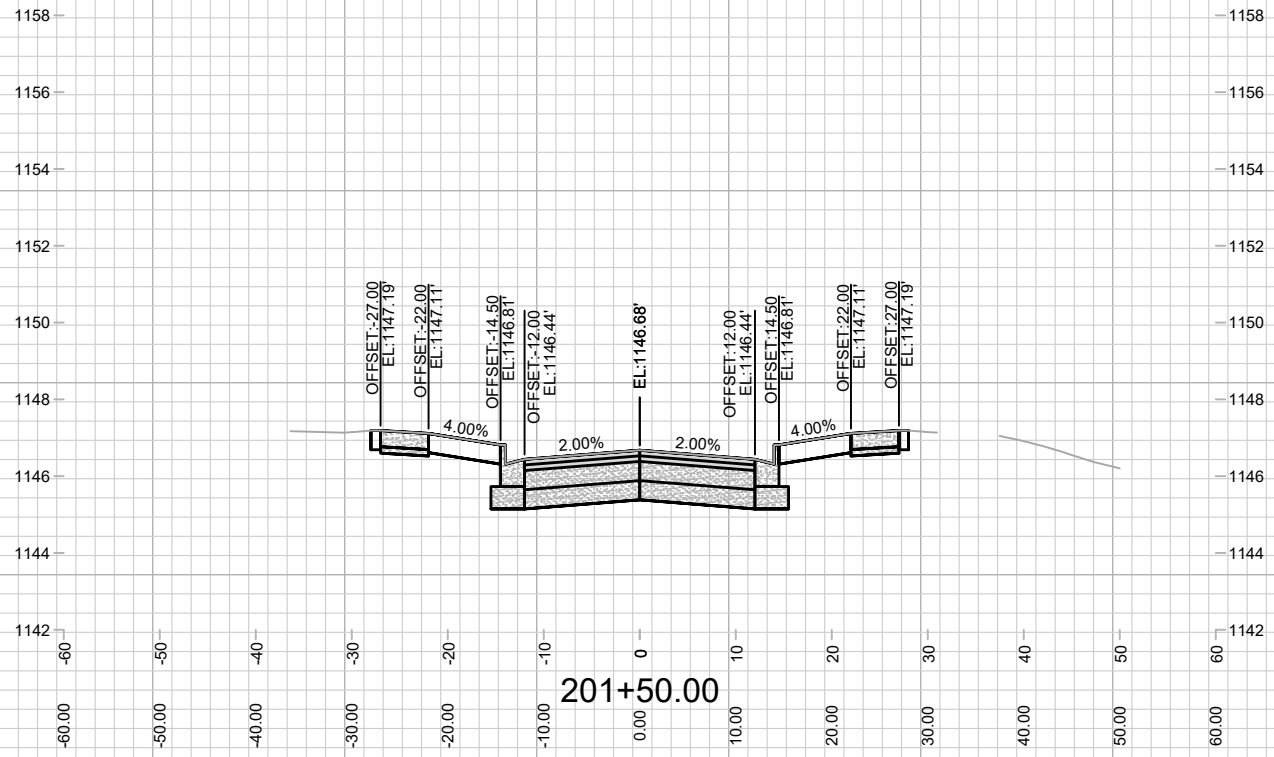
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13765  
MADISON, WI  
9068  
CONTRACT NO:

RUSTIC RISE WAY  
EAGLE TRACE: PHASE 6  
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RUSTIC RISE WAY  
EAGLE TRACE: PHASE 6

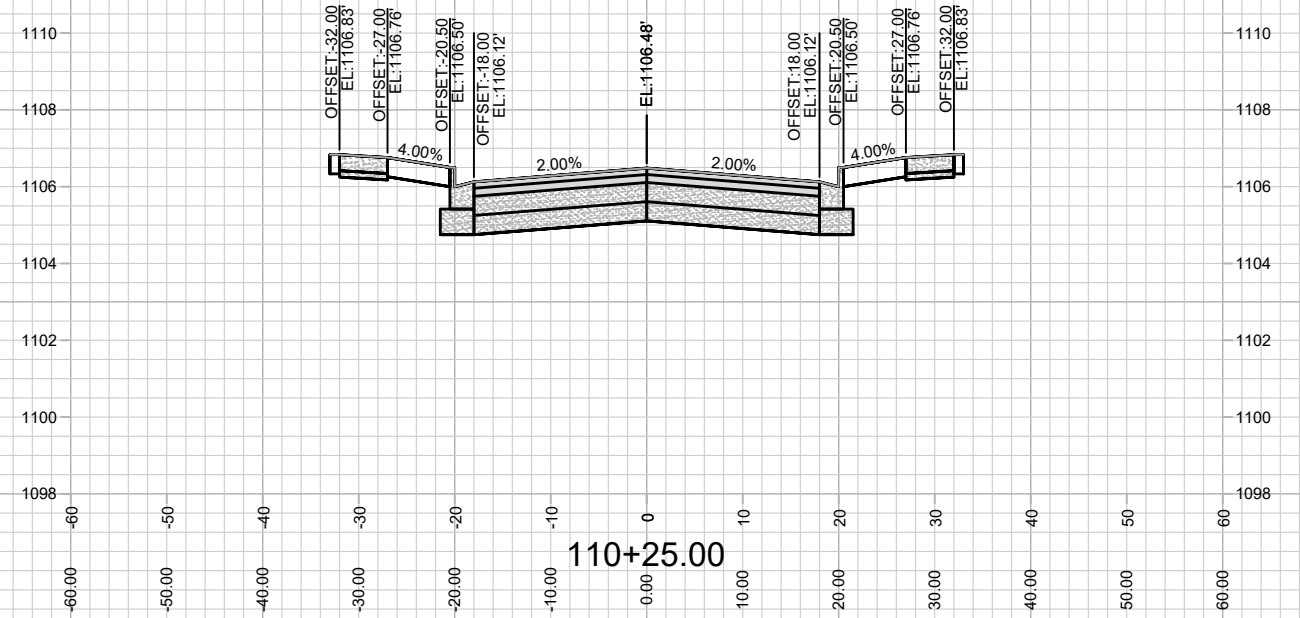
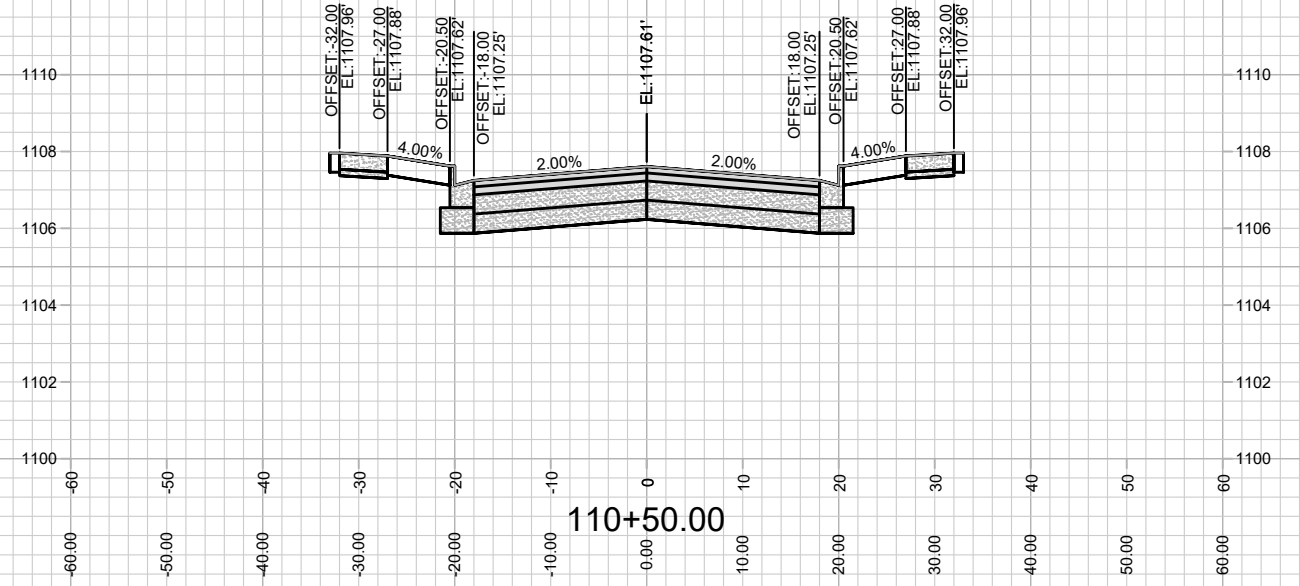
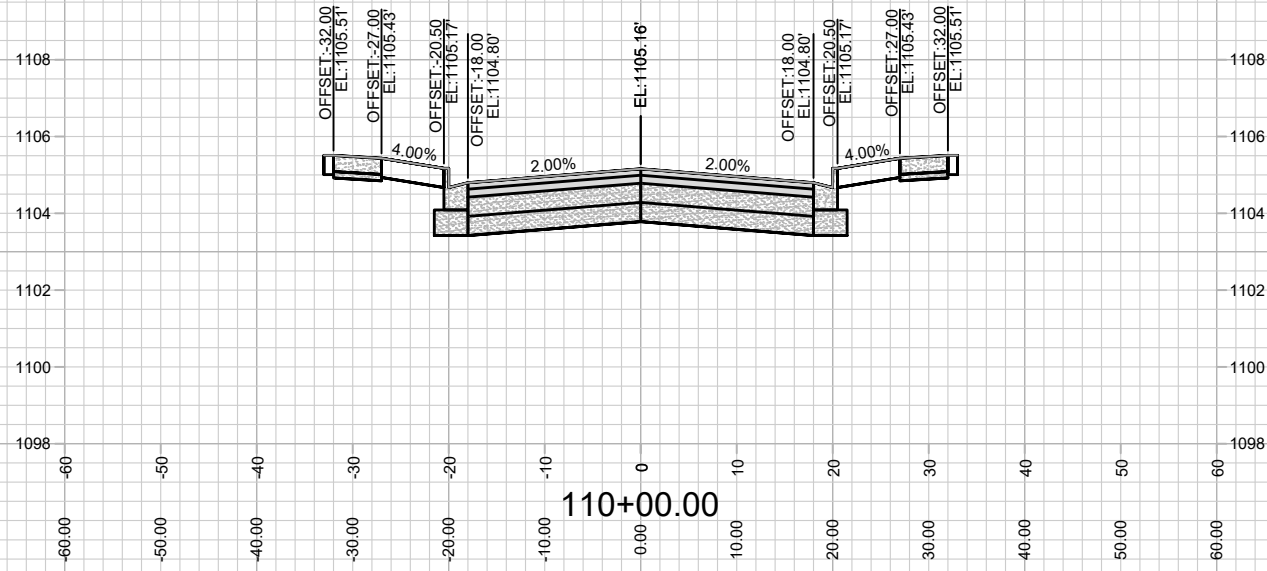
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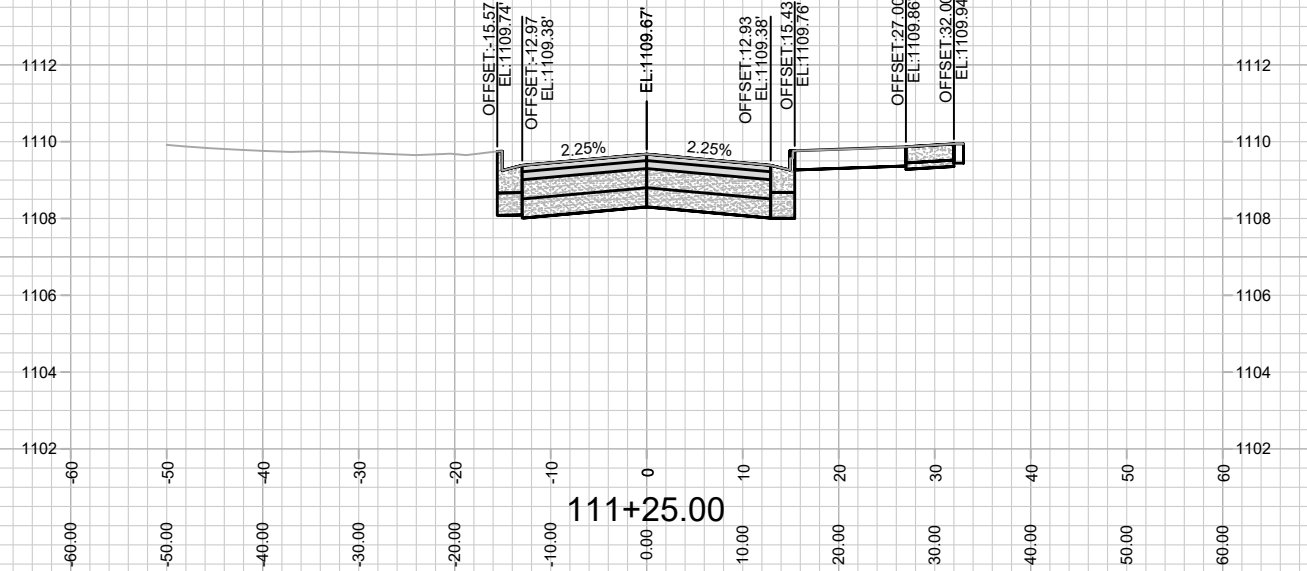
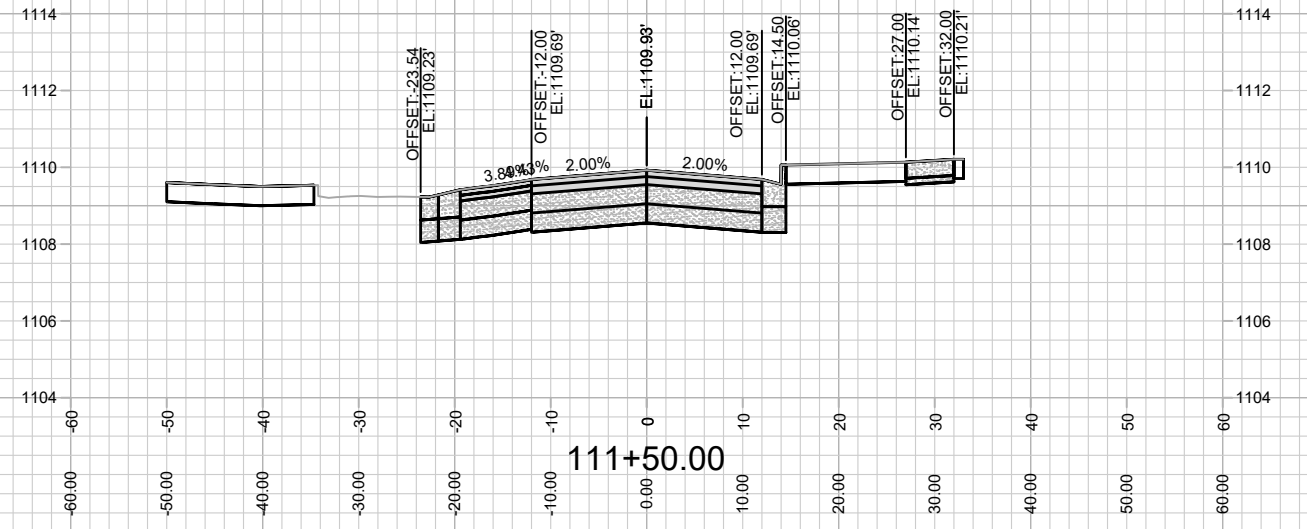
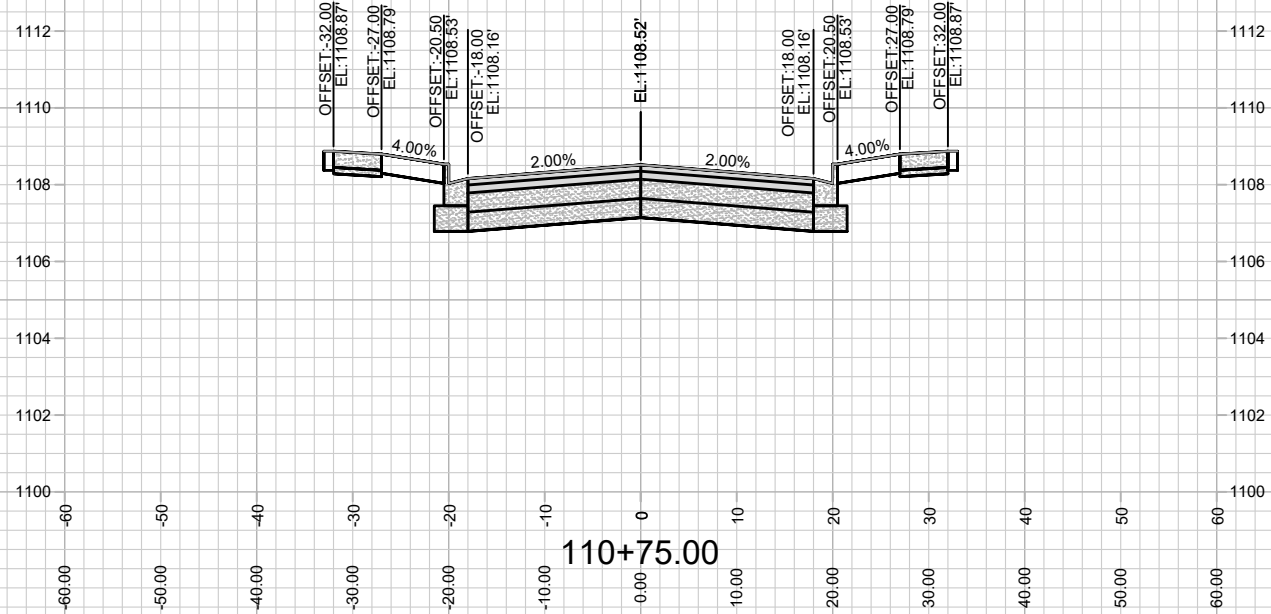
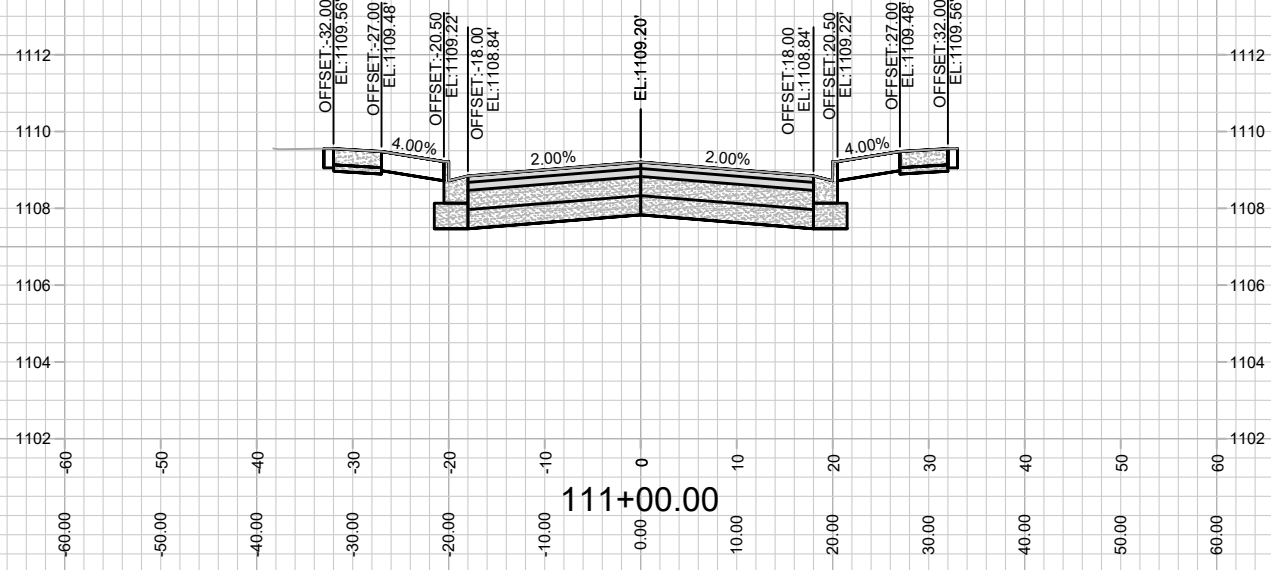
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EAGLE TRACE: PHASE 6

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9068  
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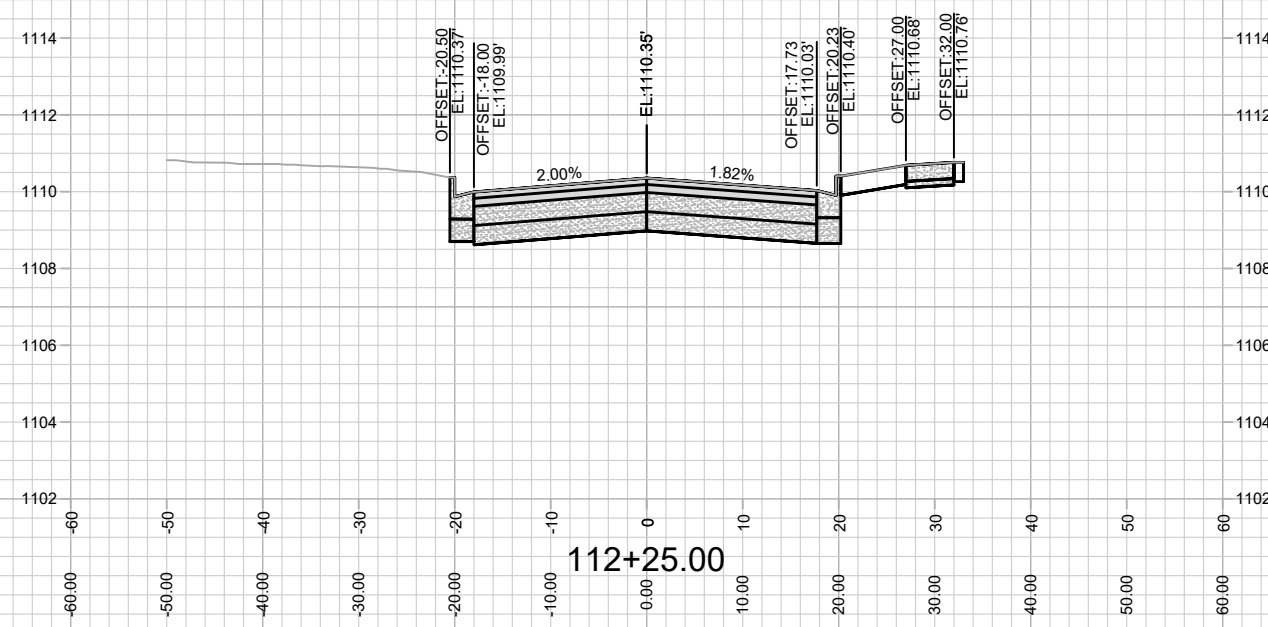
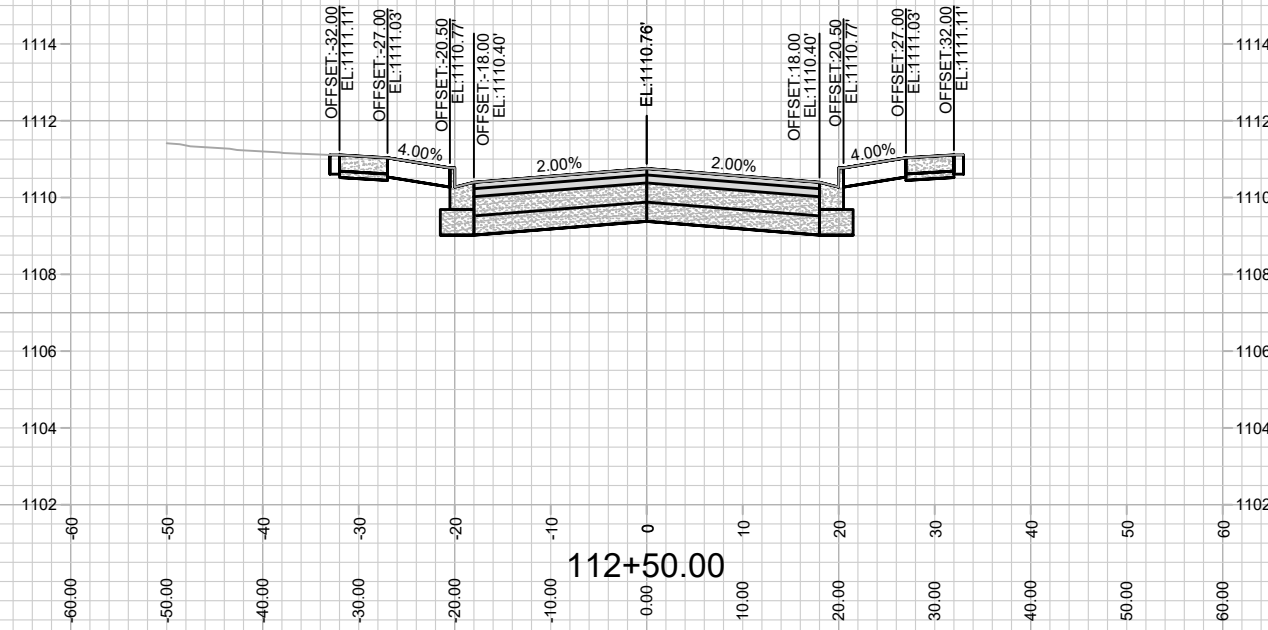
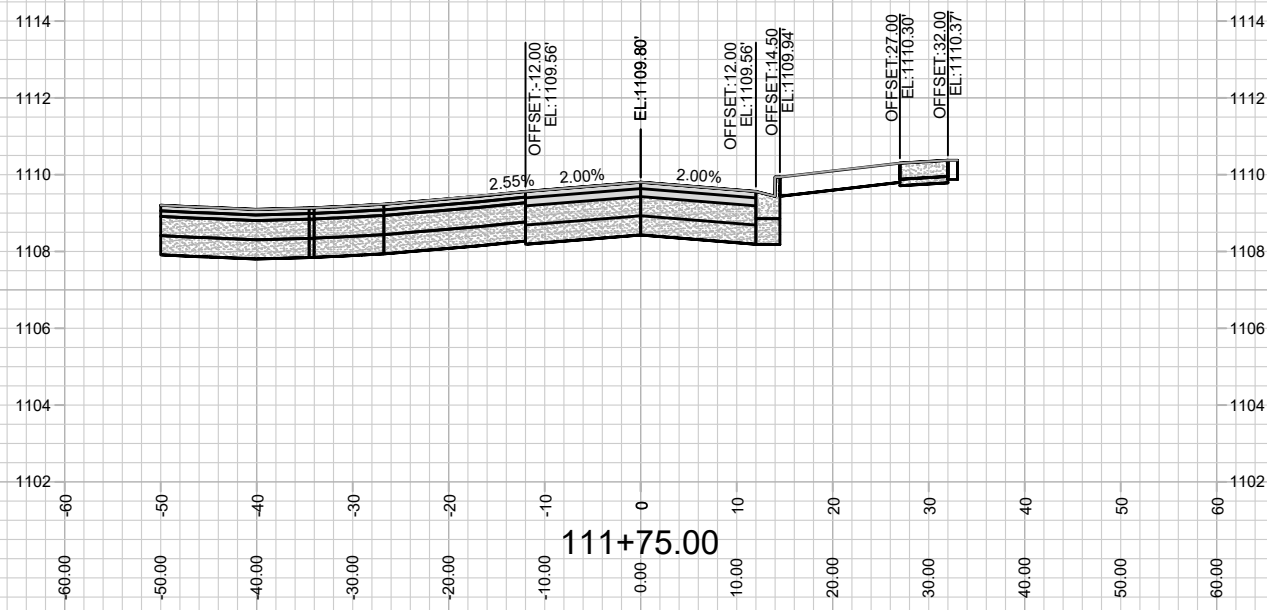
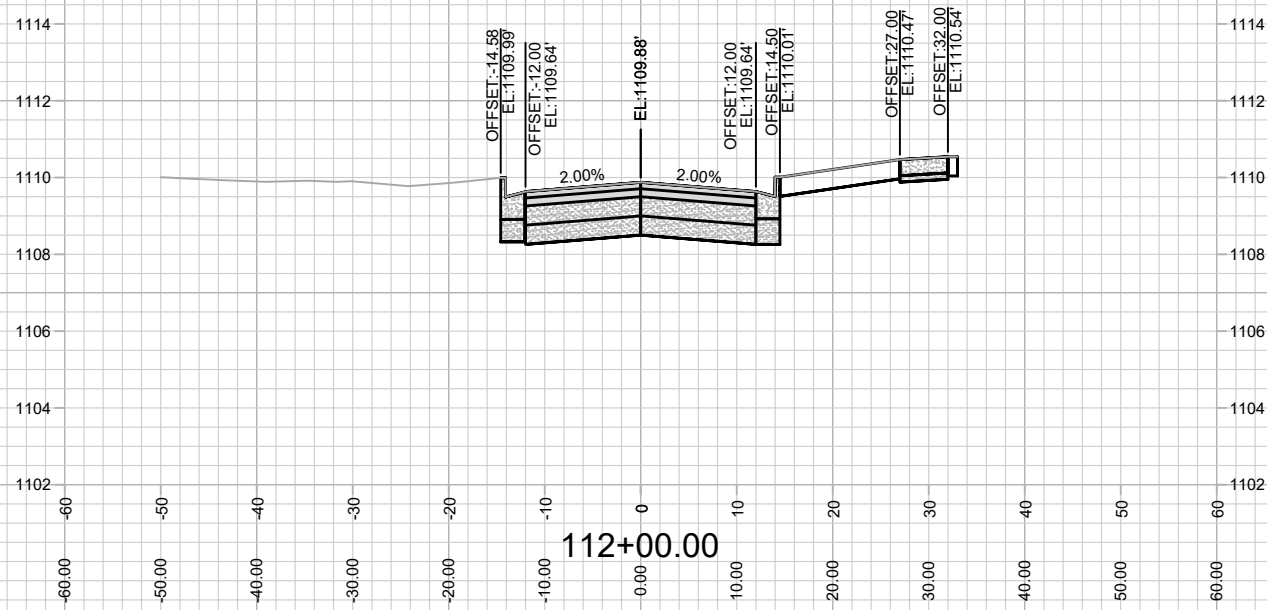
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9068  
CONTRACT NO:

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TAWNY ELM PARKWAY  
EAGLE TRACE: PHASE 6

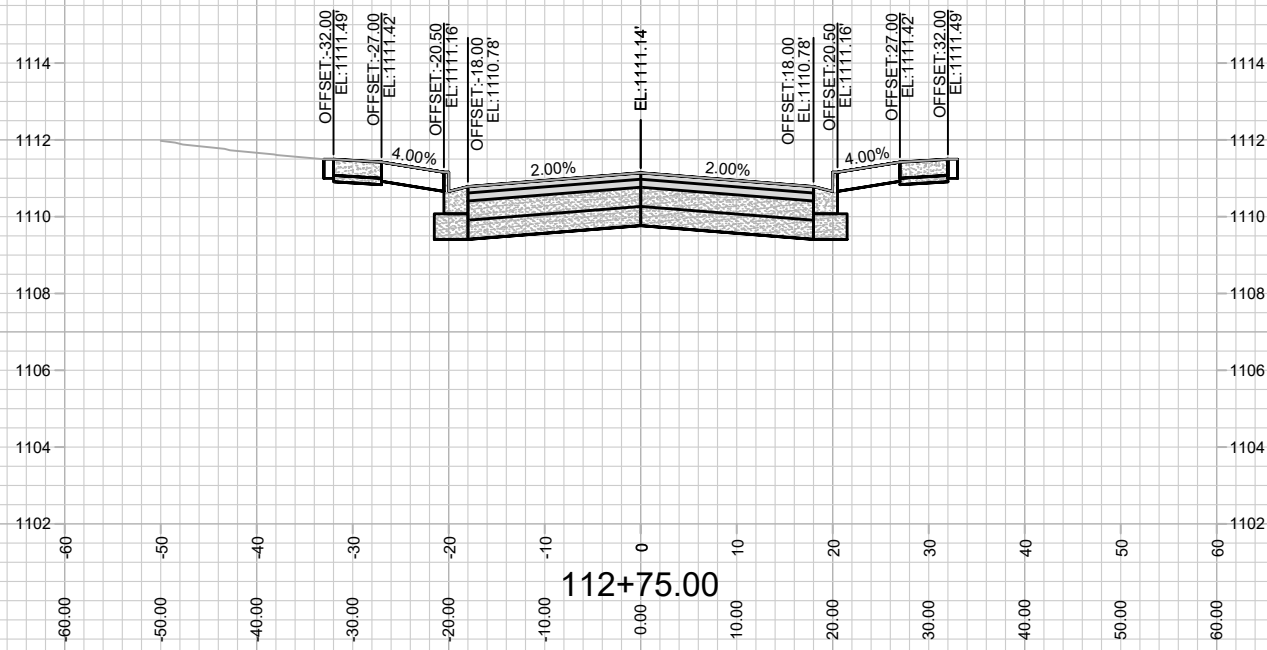
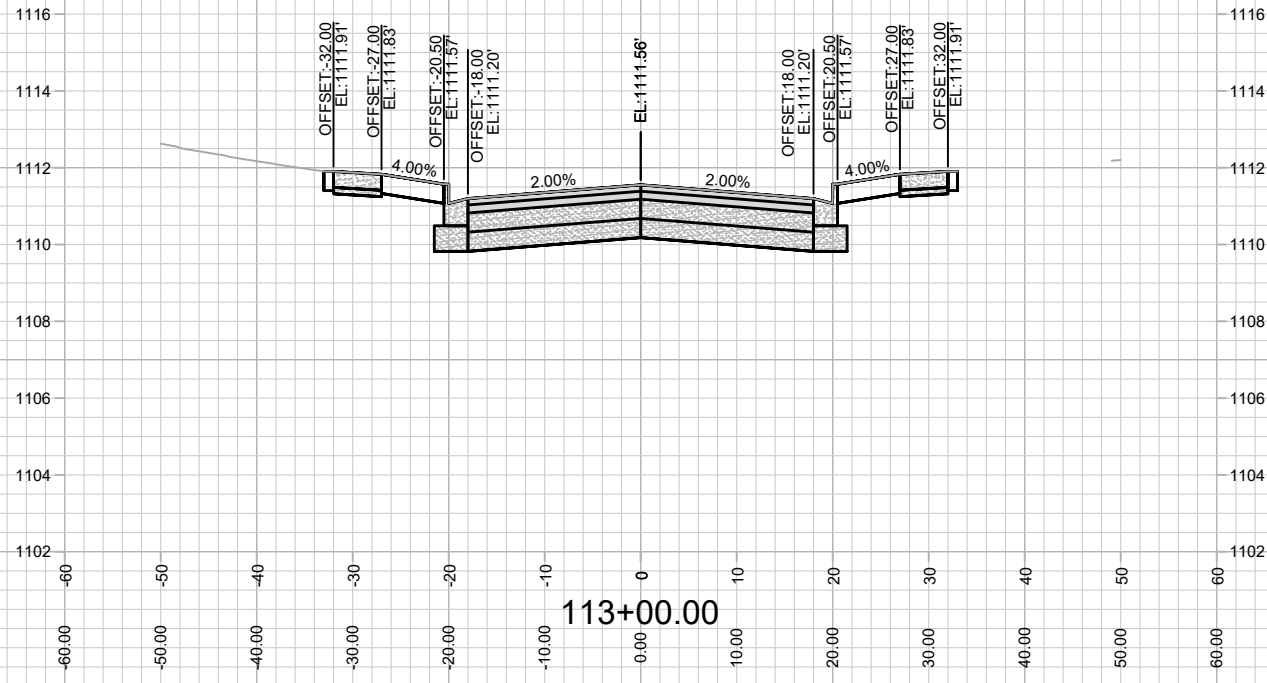
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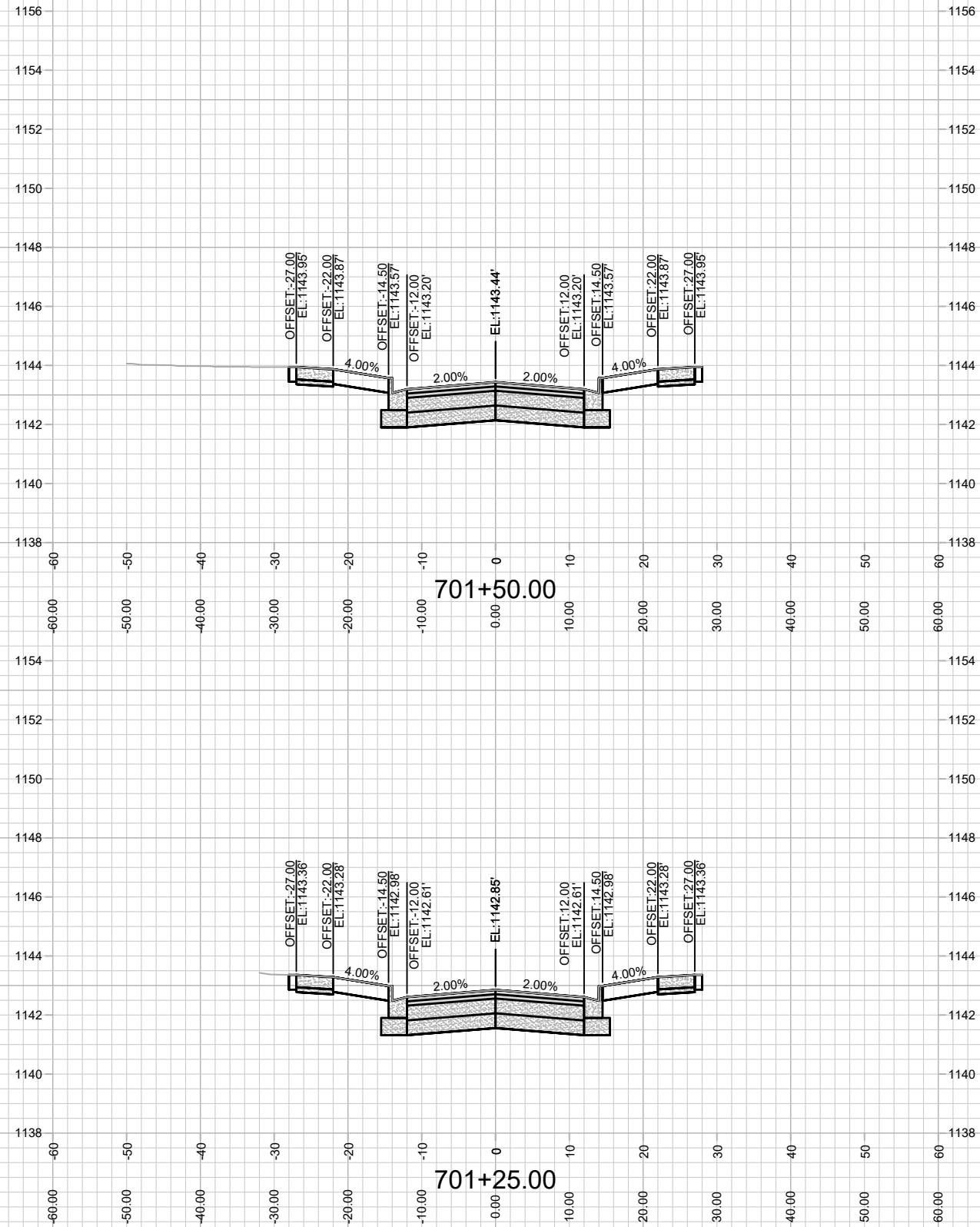
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TAWNY ELM PARKWAY  
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MADISON, WI  
CONTRACT NO: 9068

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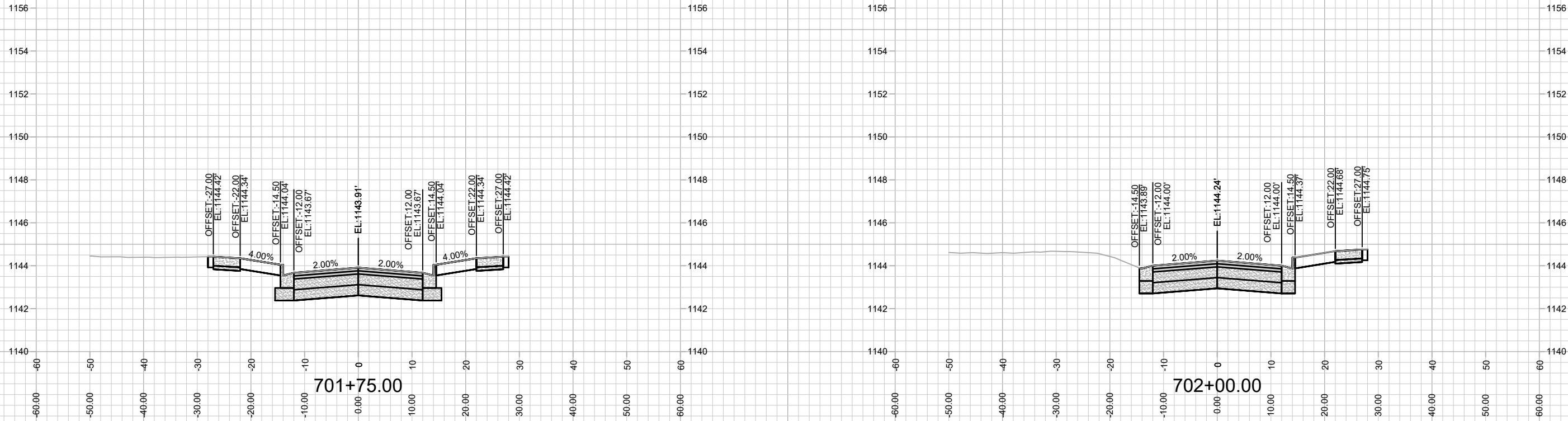
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 MADISON, WI  
 CONTRACT NO: 9068

VELVET WILLOW WAY  
 EAGLE TRACE: PHASE 6  
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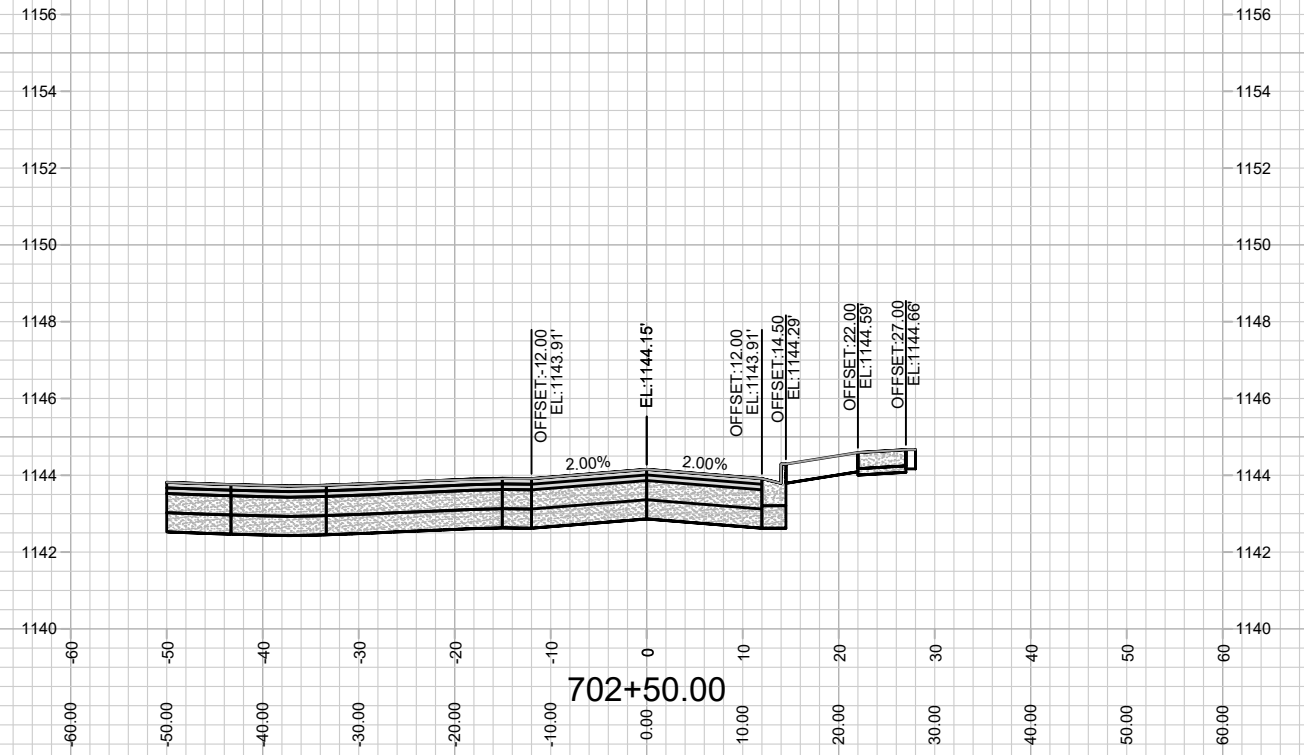
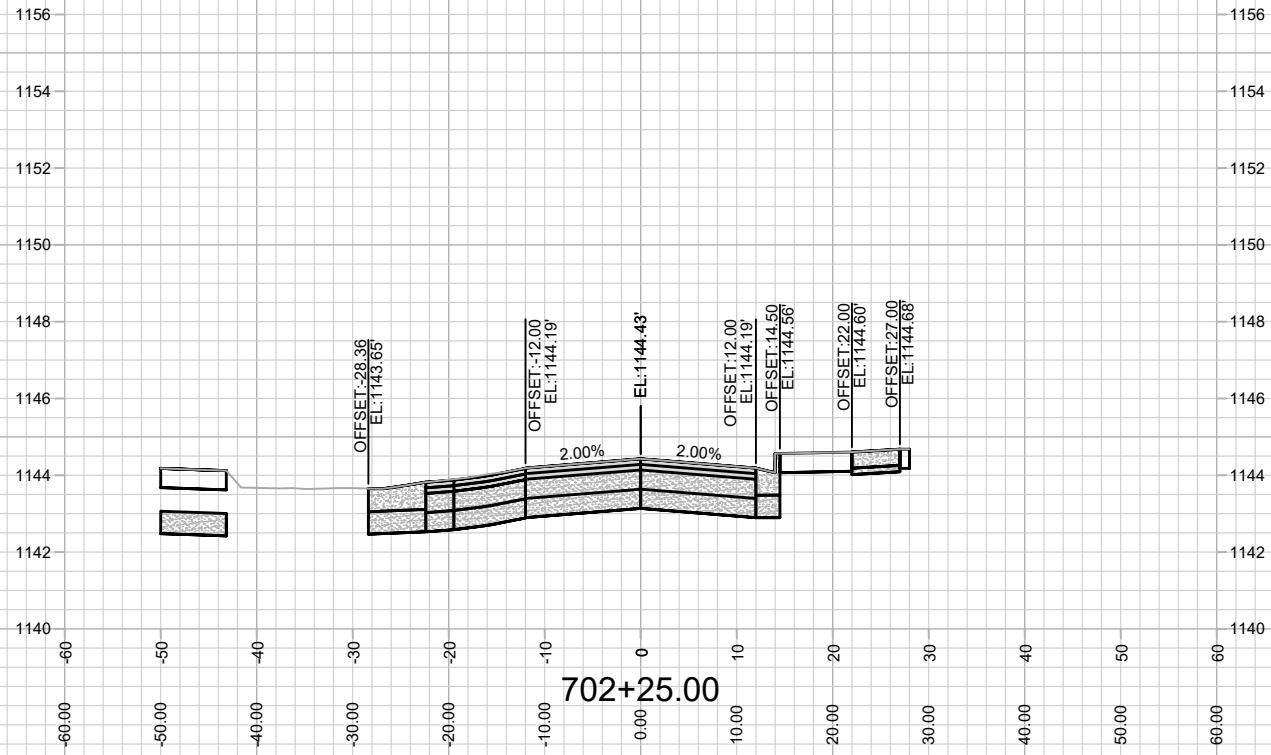
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MADISON, WI  
9068  
CONTRACT NO:

VELVET WILLOW WAY  
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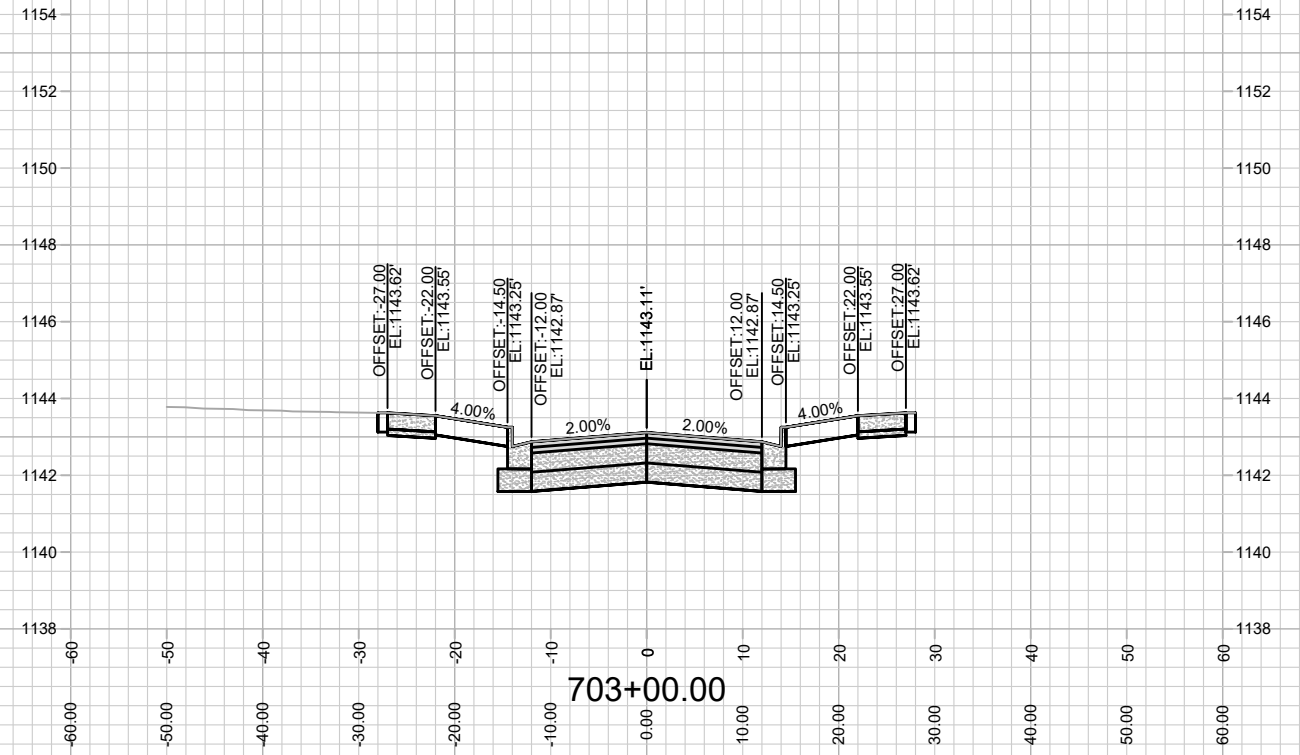
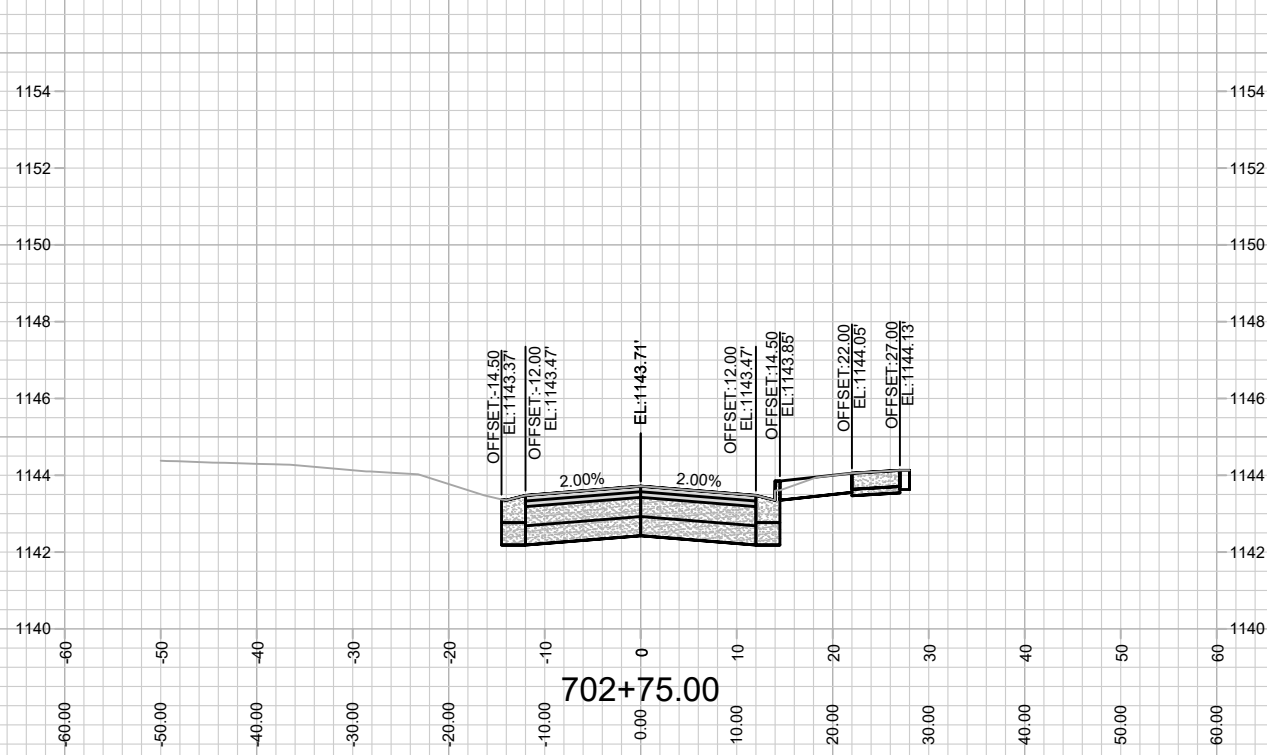
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VELVET WILLOW WAY  
EAGLE TRACE: PHASE 6

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9068  
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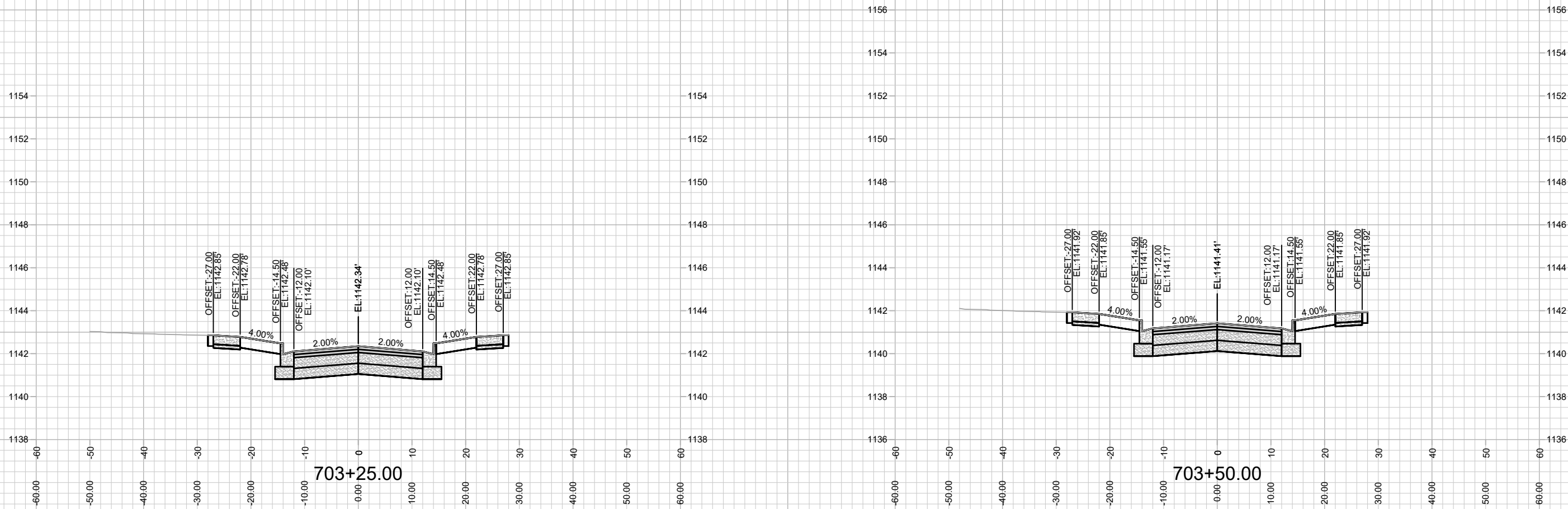
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VELVET WILLOW WAY  
EAGLE TRACE: PHASE 6

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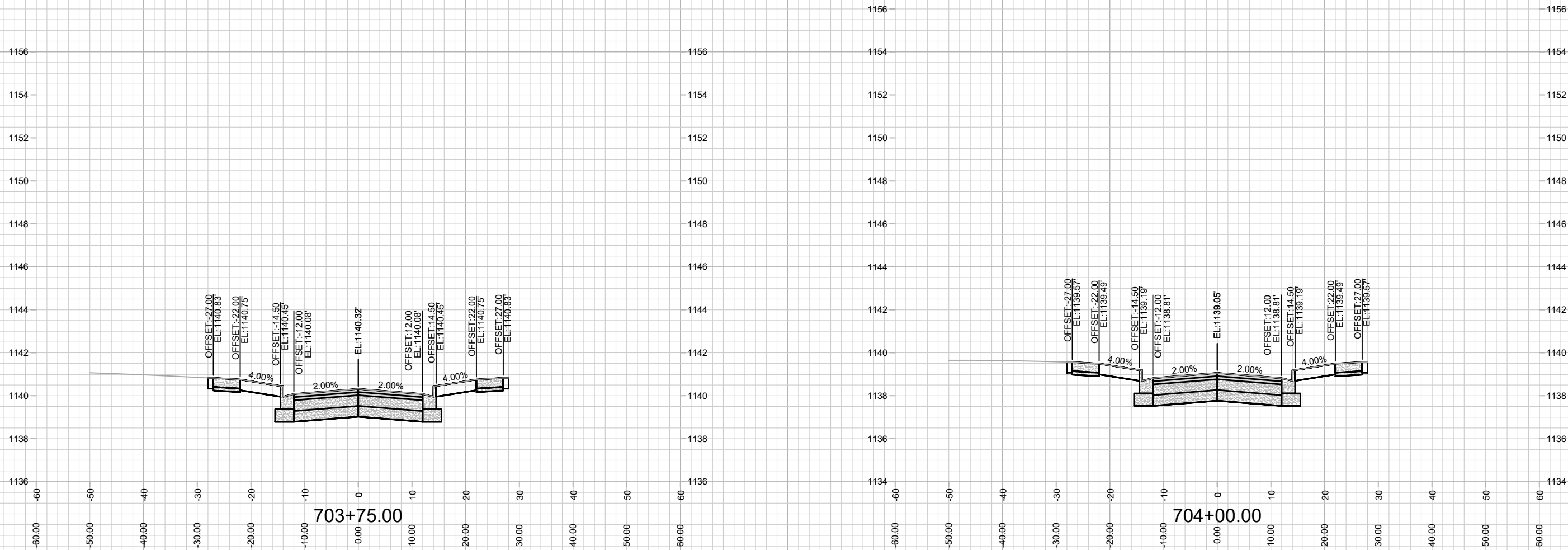
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MADISON, WI  
9068  
CONTRACT NO:

VELVET WILLOW WAY  
EAGLE TRACE: PHASE 6  
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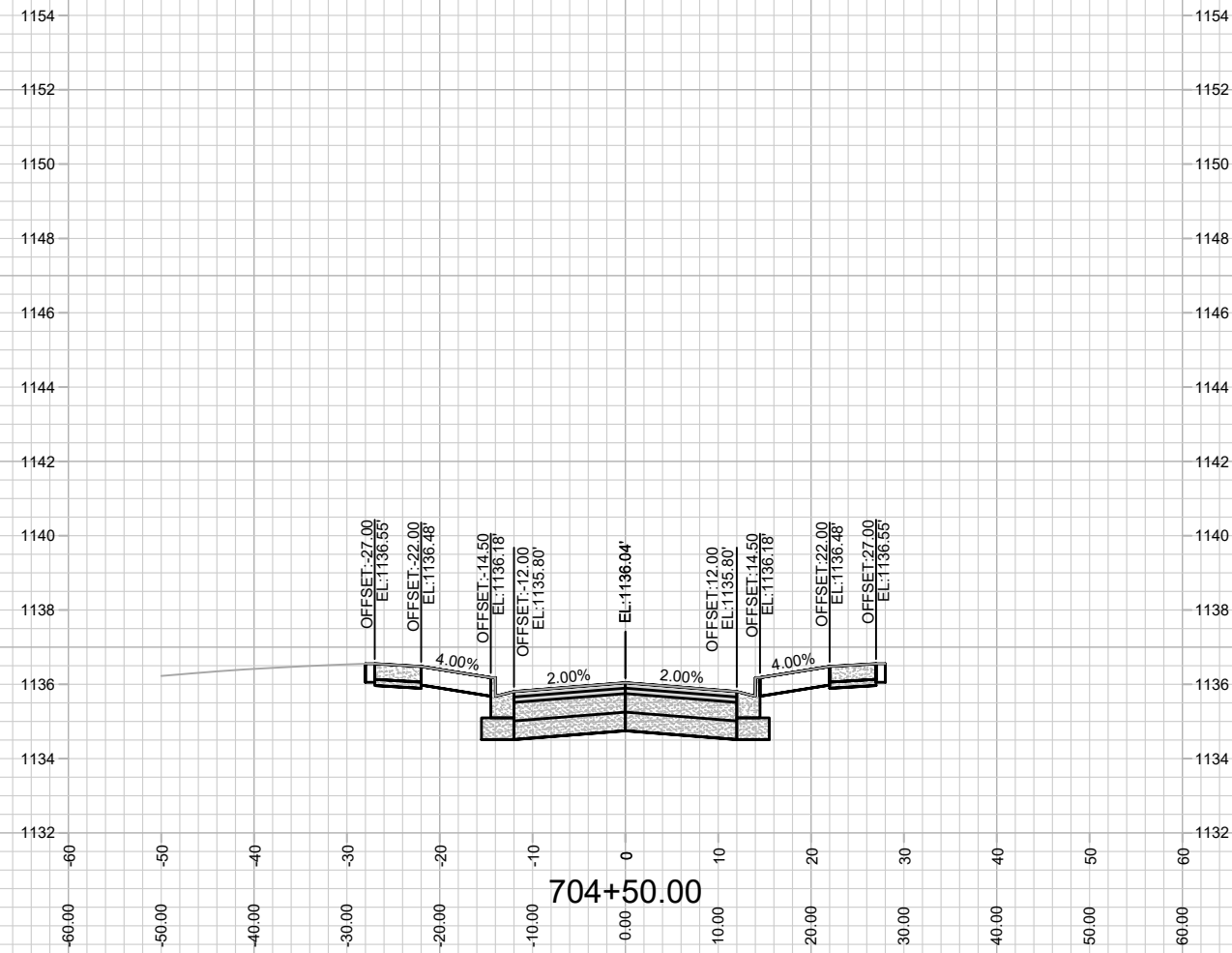
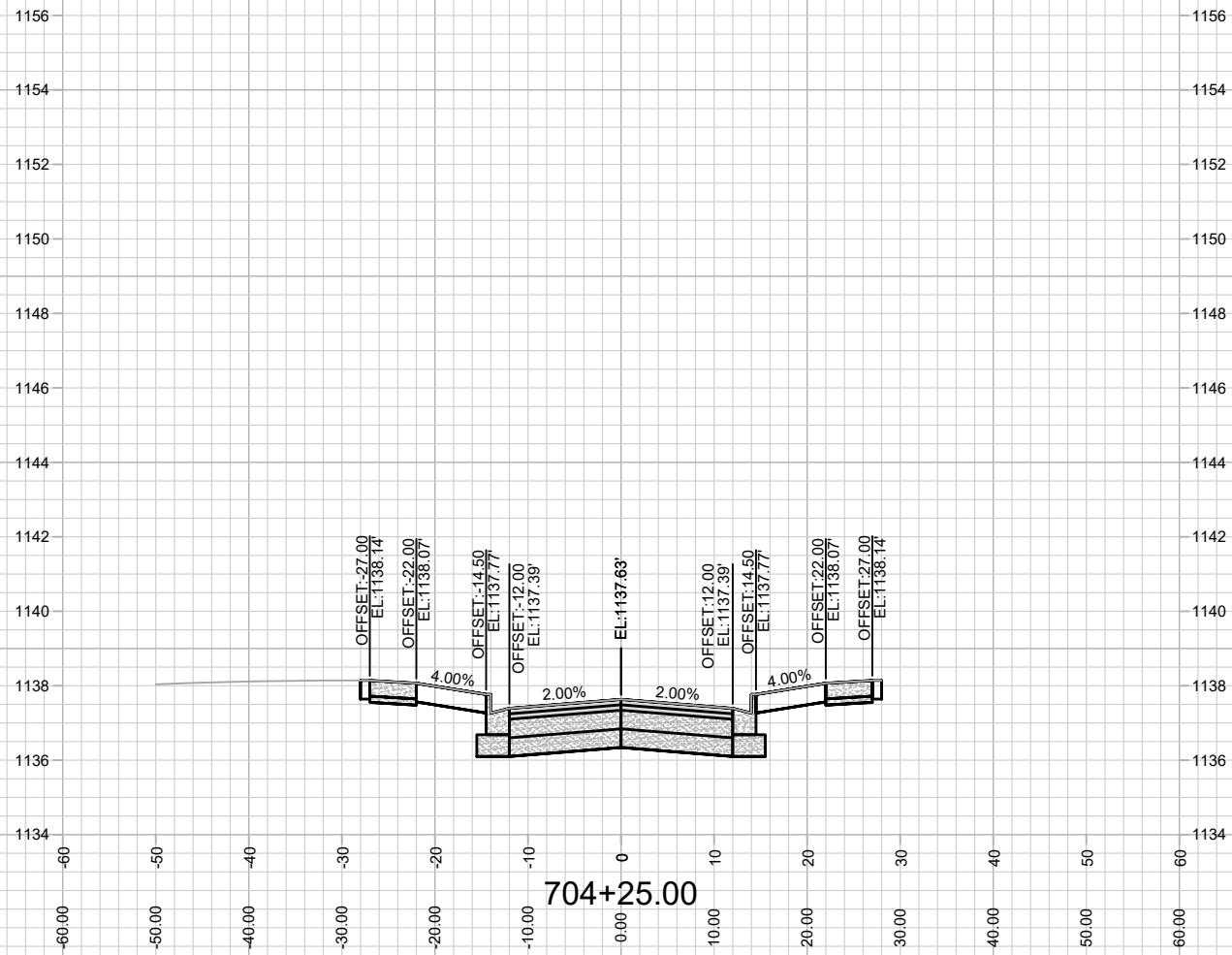
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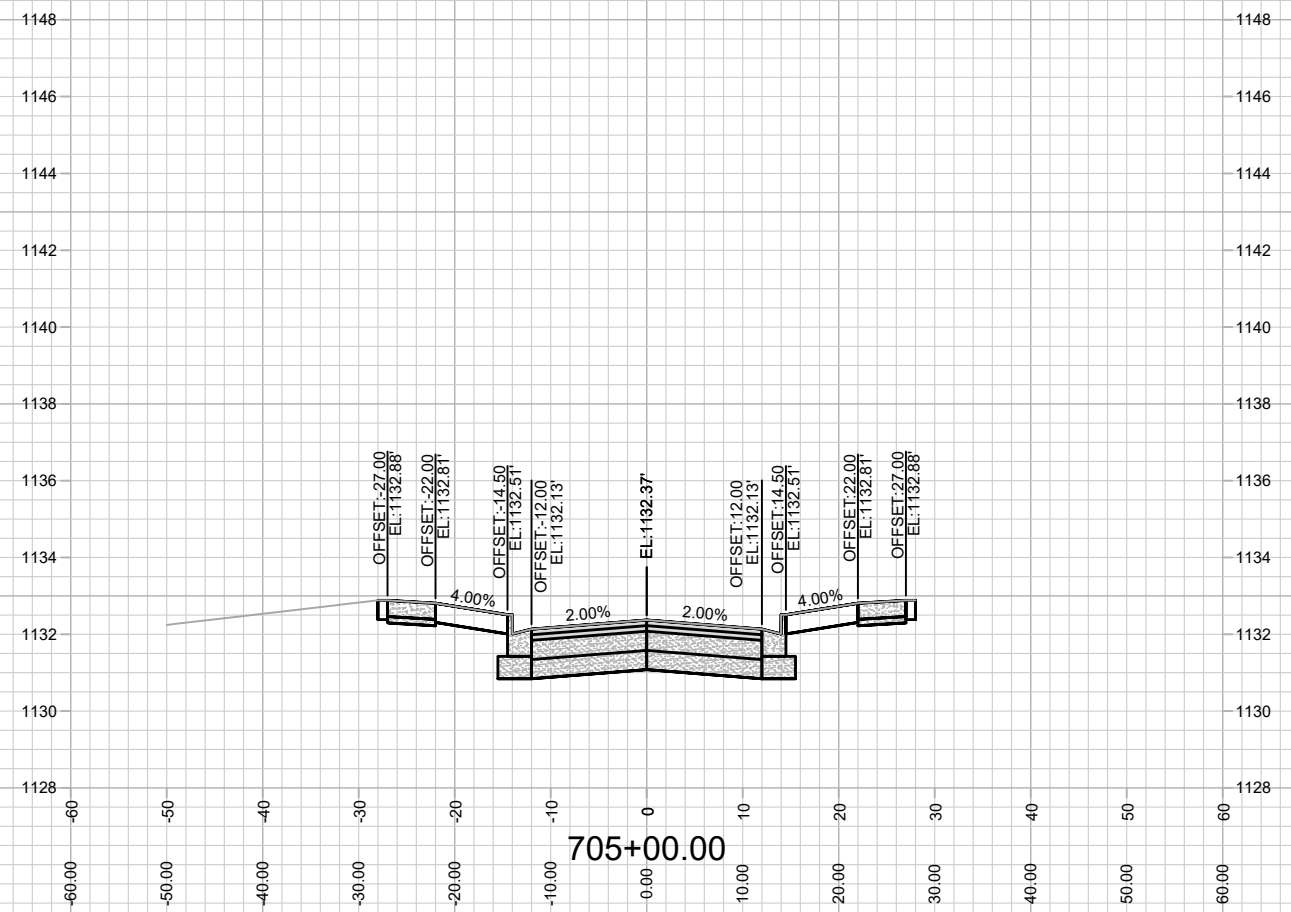
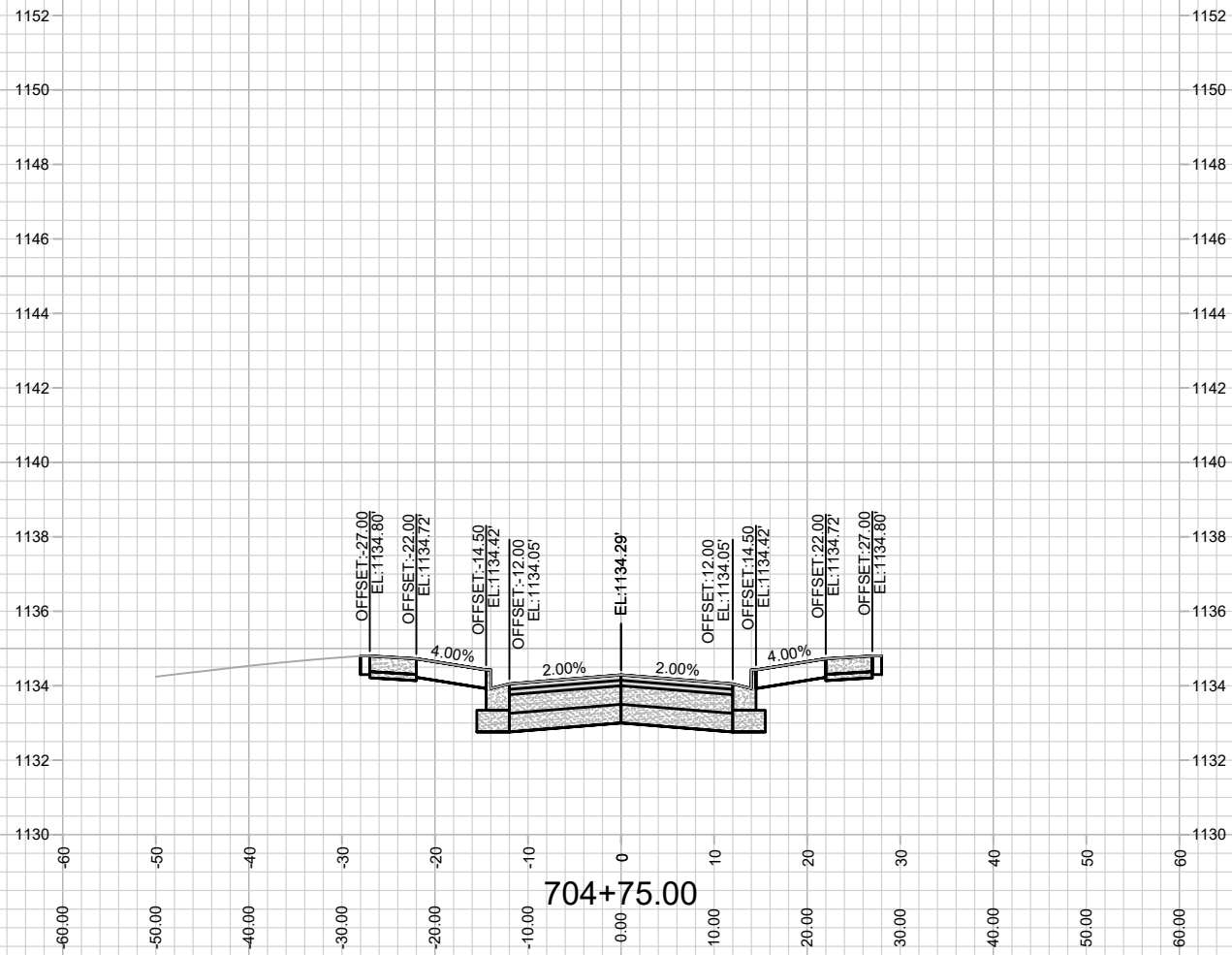
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MADISON, WI  
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EAGLE TRACE: PHASE 6  
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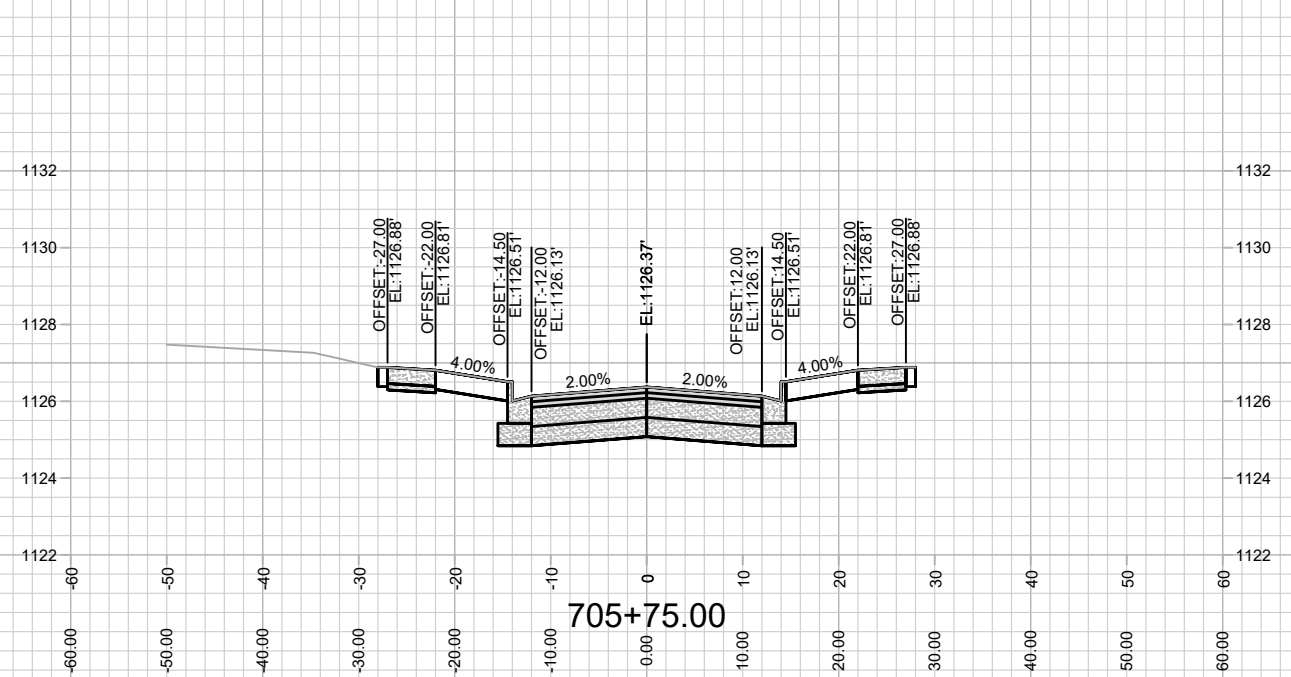
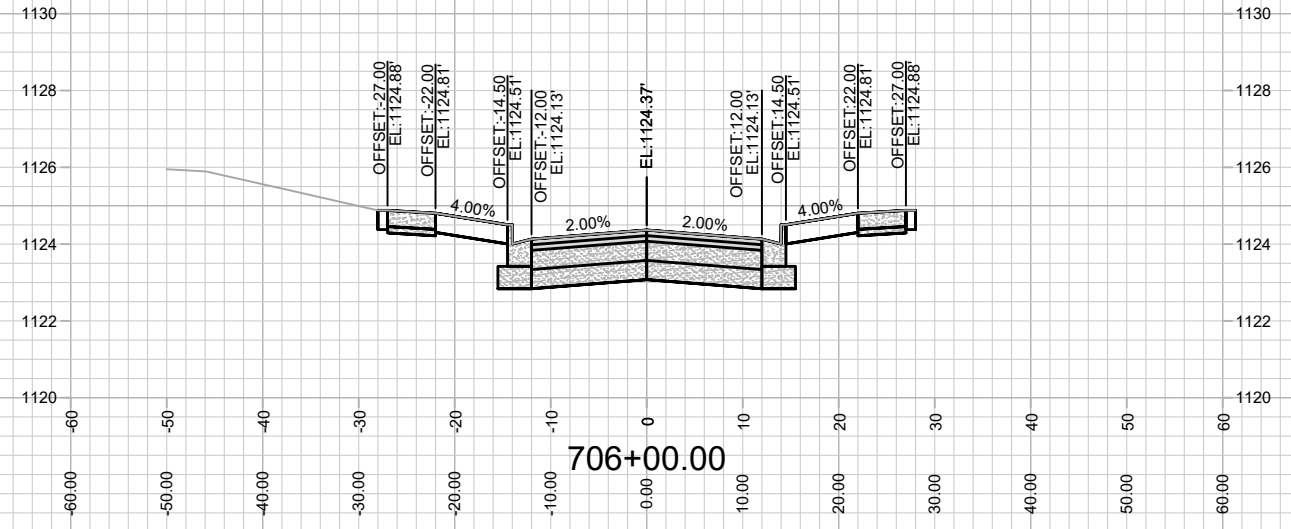
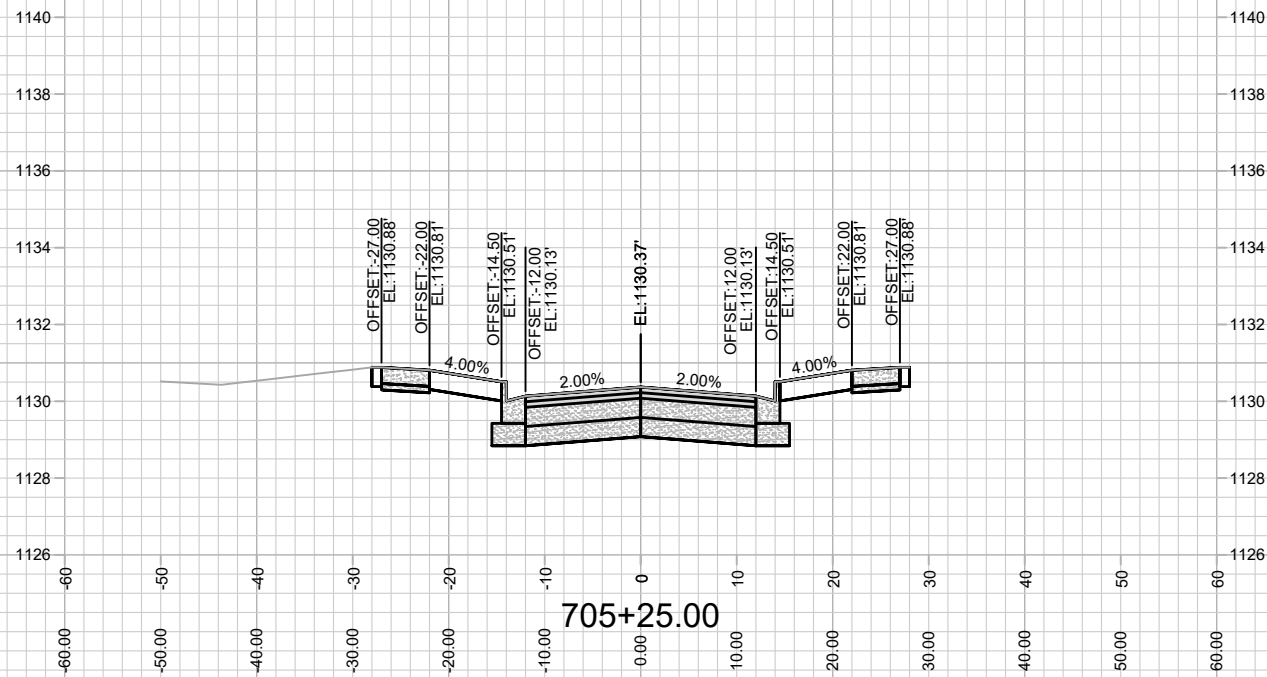
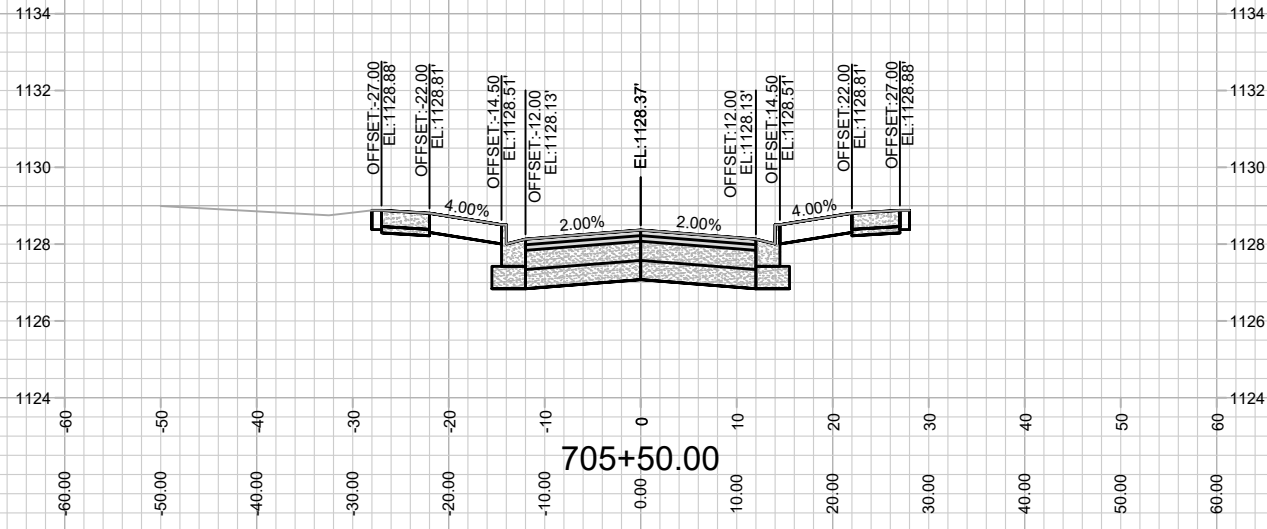
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VELVET WILLOW WAY  
EAGLE TRACE: PHASE 6

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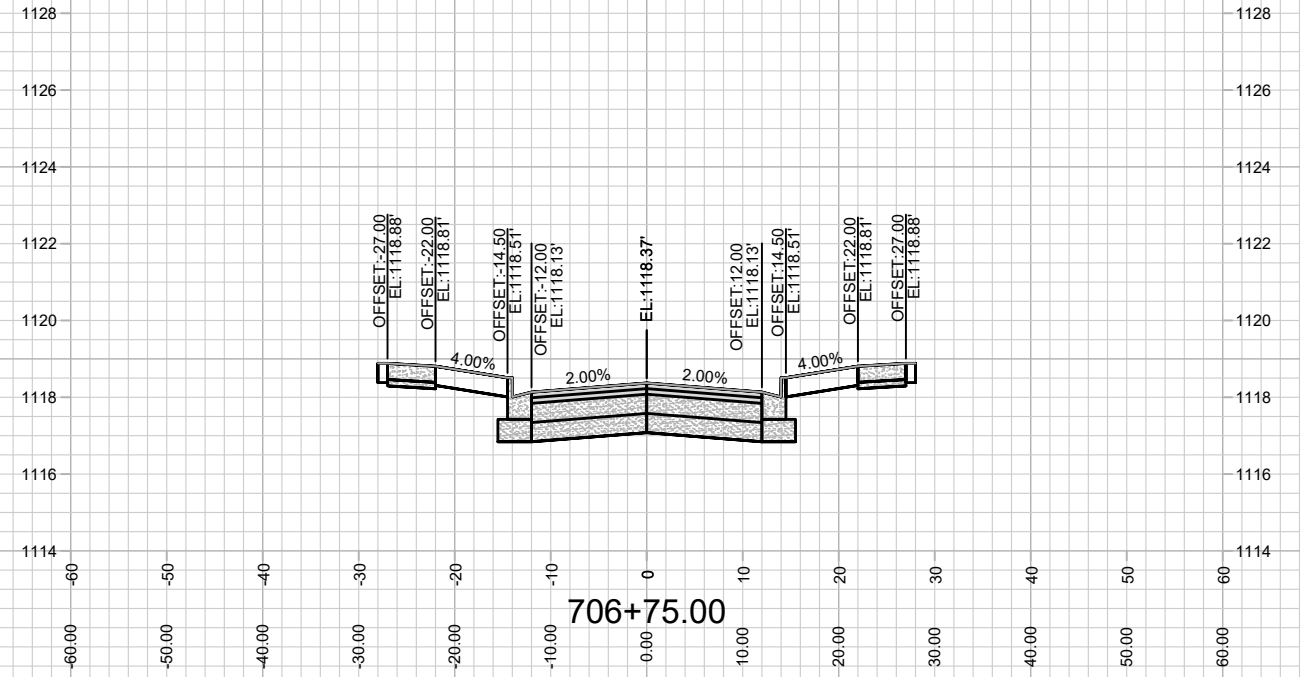
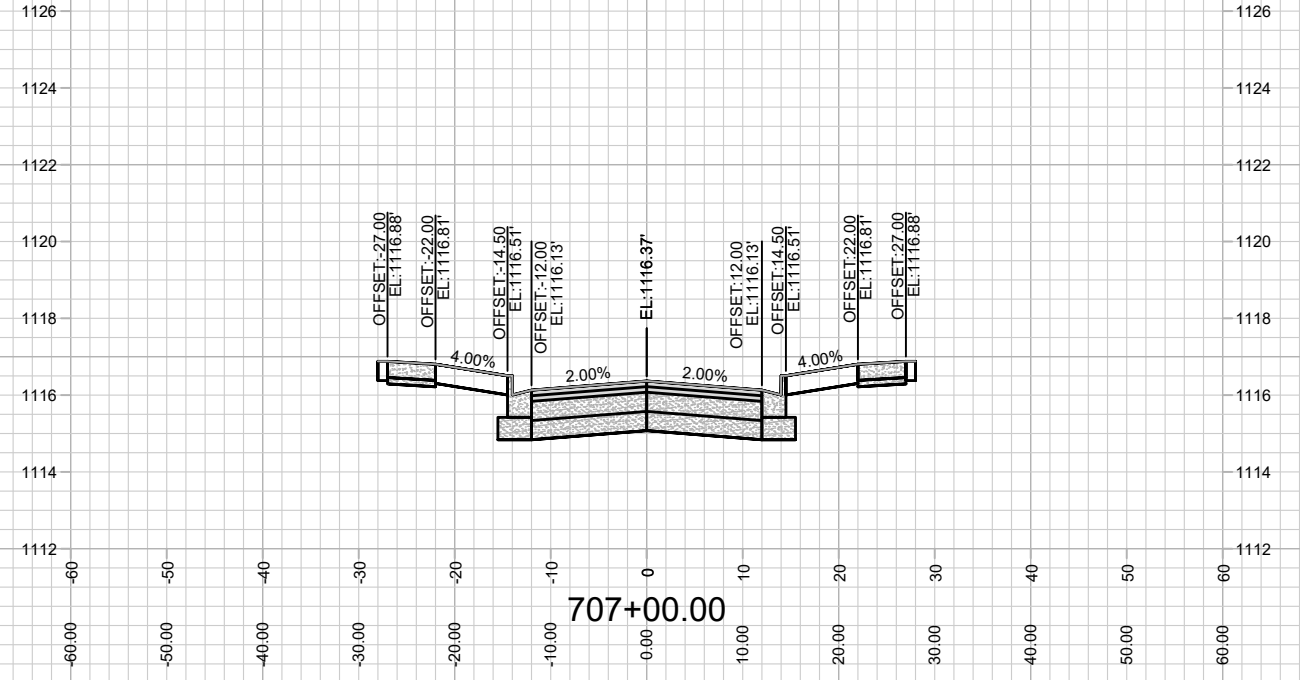
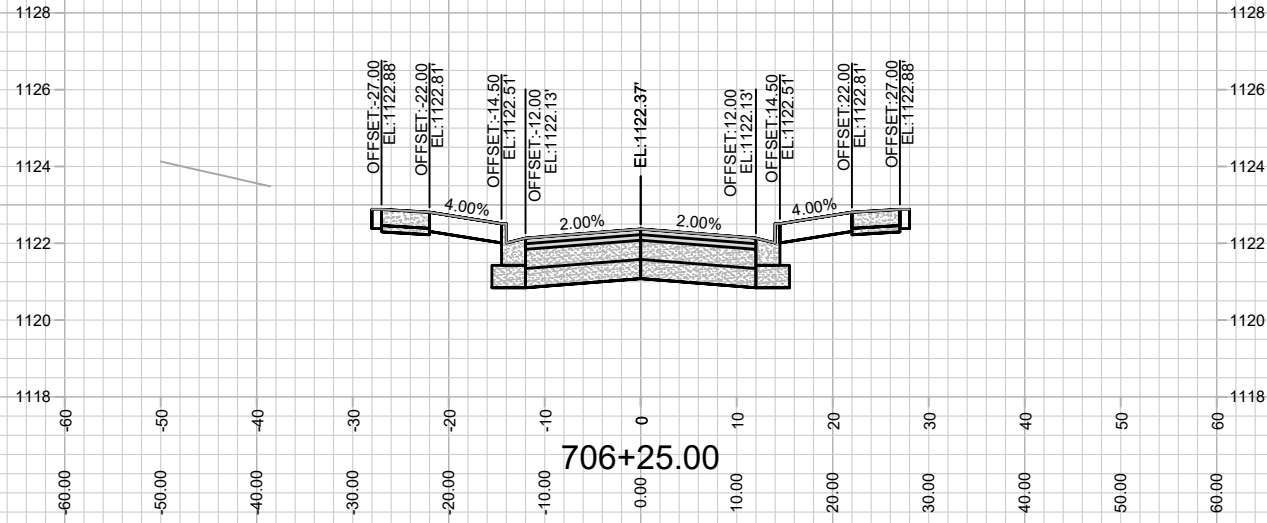
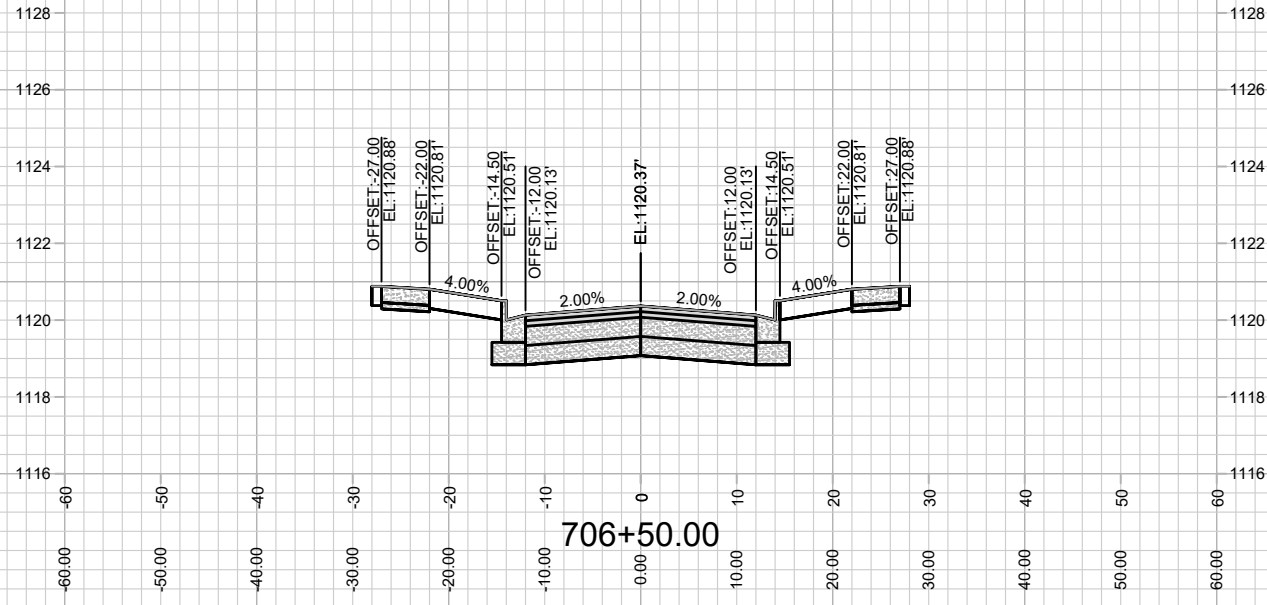
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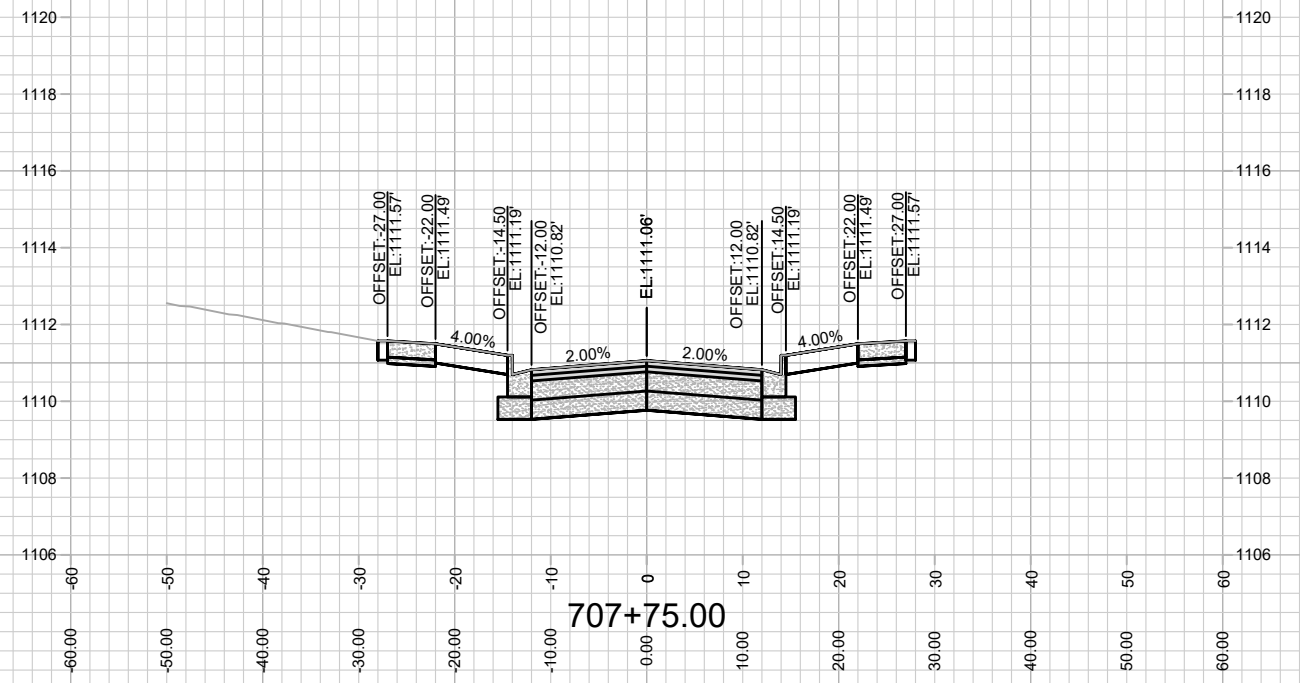
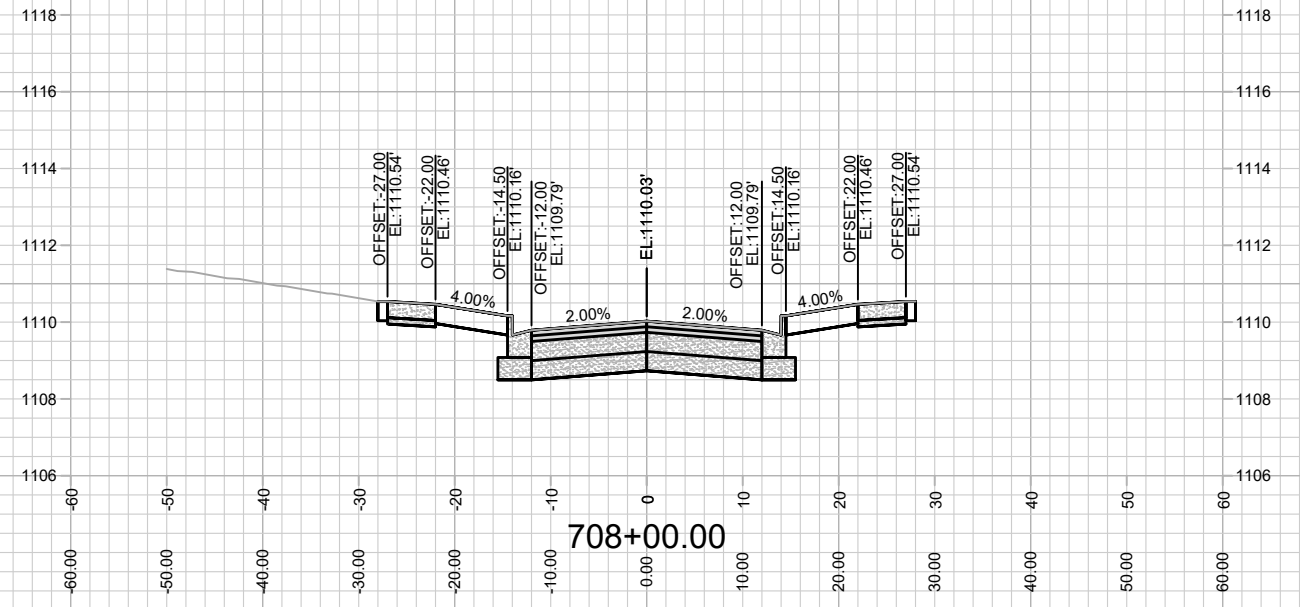
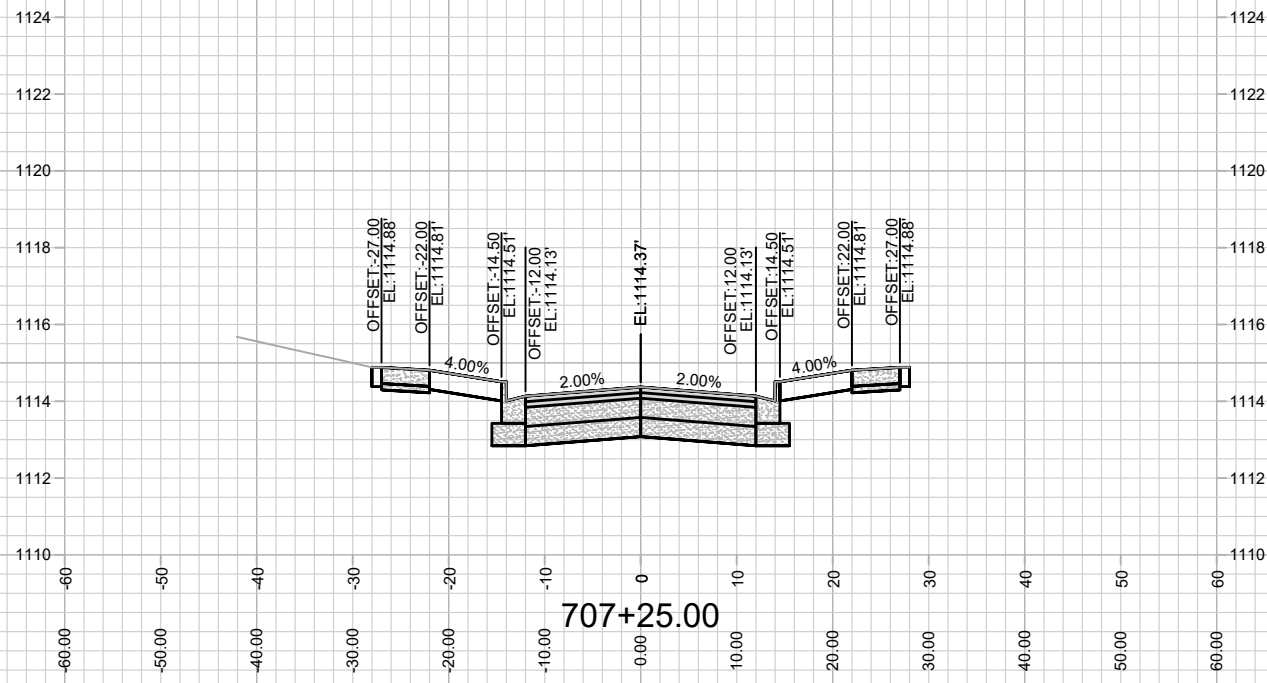
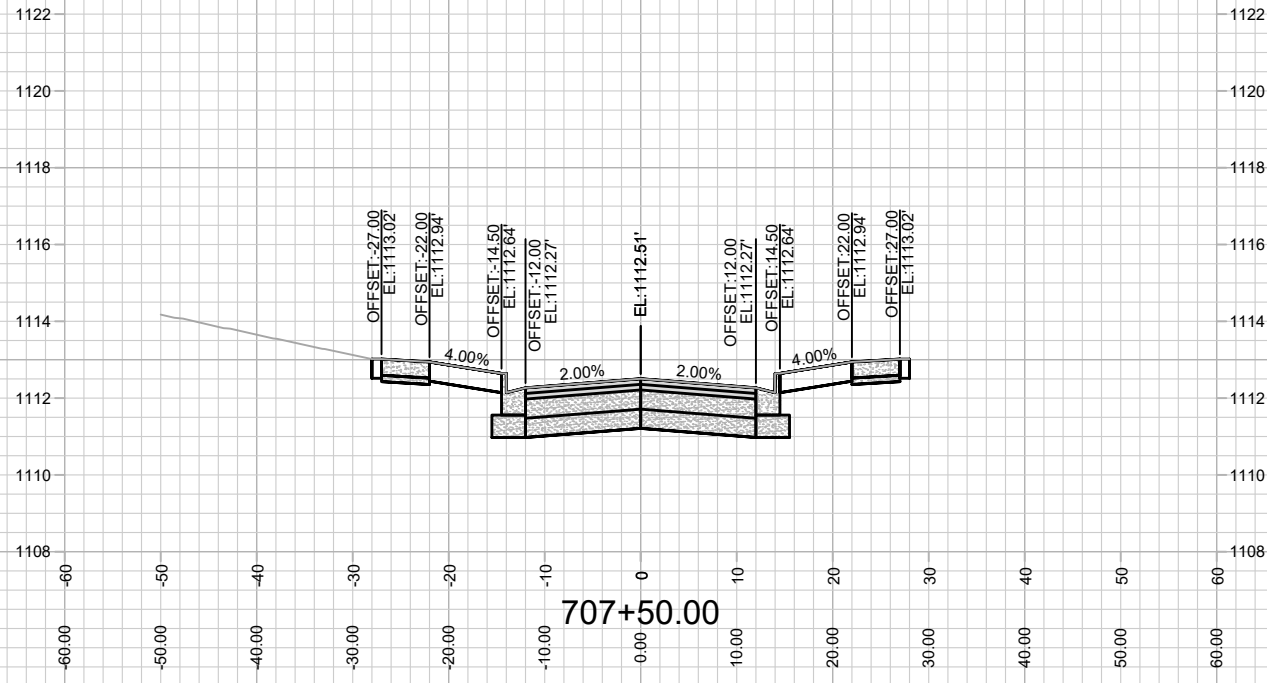
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 CONTRACT NO:

VELVET WILLOW WAY  
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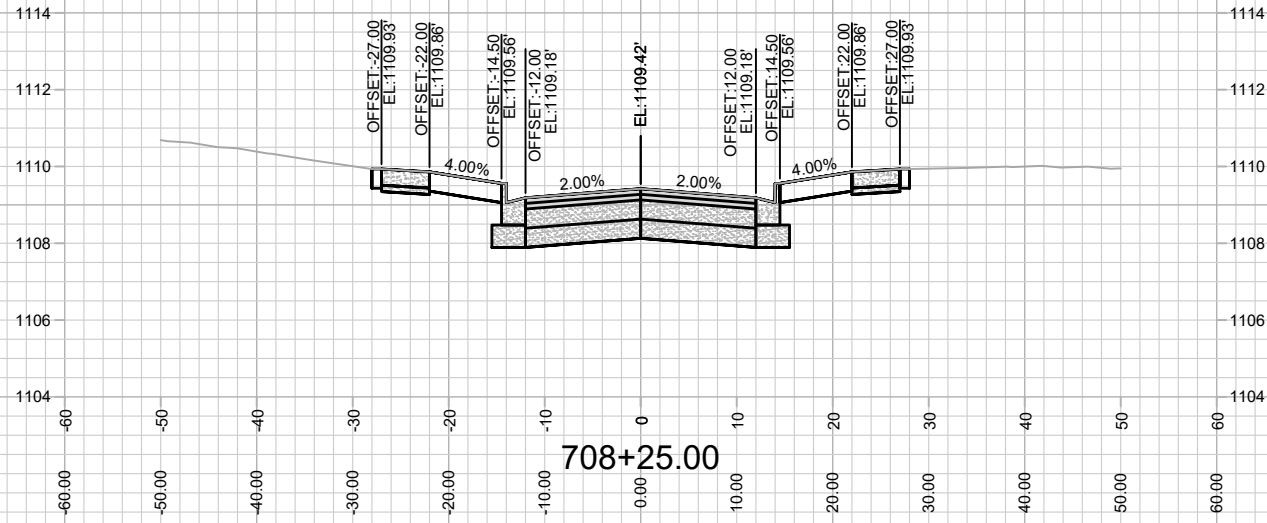
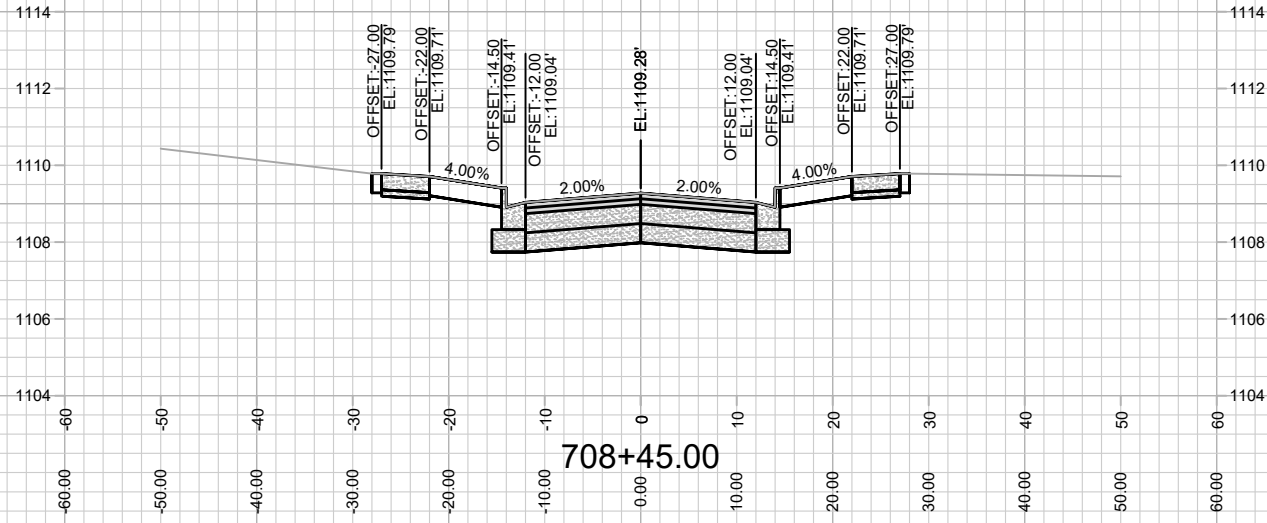


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MADISON, WI  
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CONTRACT NO:

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EAGLE TRACE: PHASE 6  
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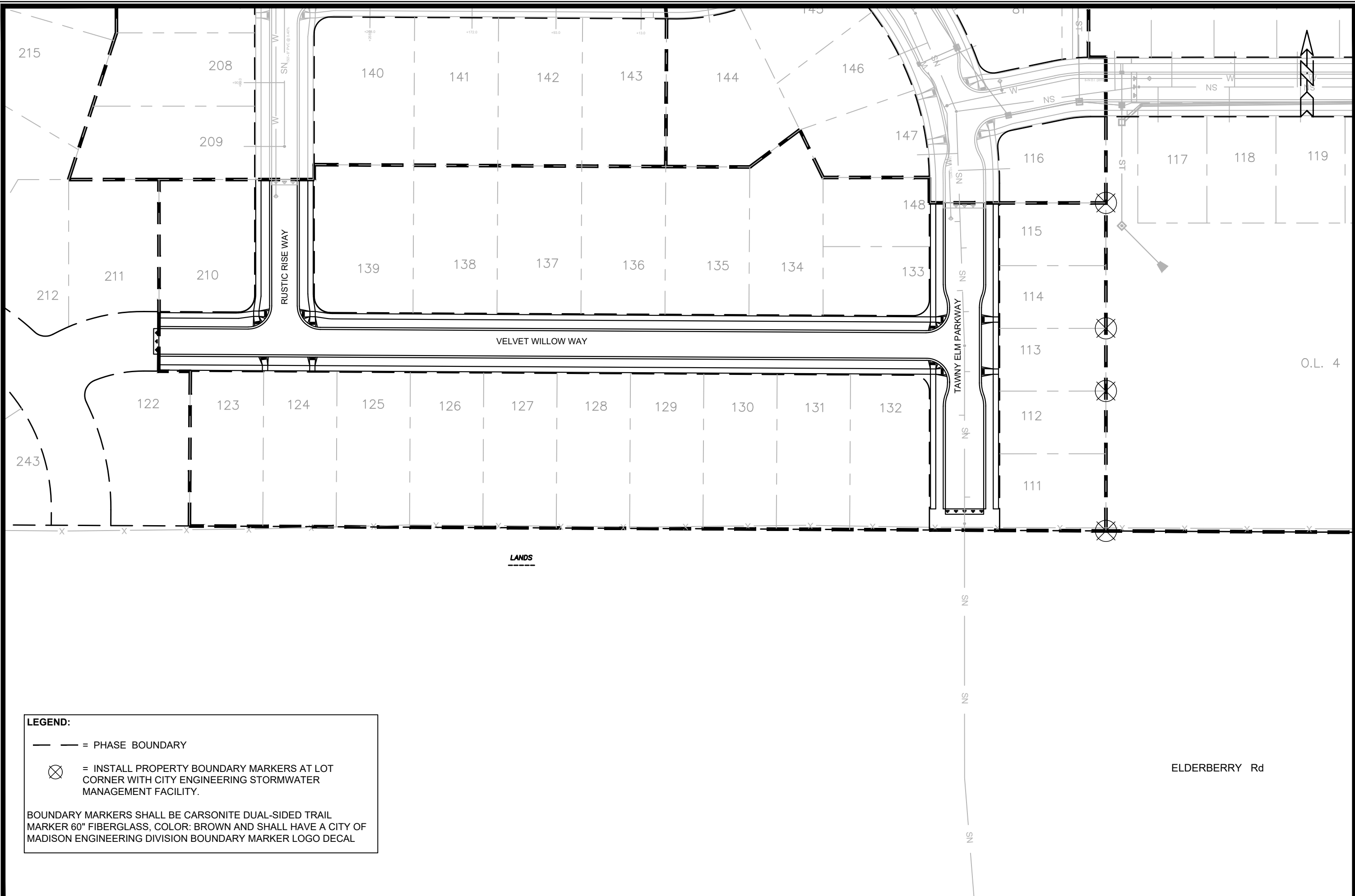
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VELVET WILLOW WAY  
EAGLE TRACE: PHASE 6

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MADISON, WI  
CONTRACT NO: 9068

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**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

MARK	REVISION	DATE	BY
13763	13763	1/28/2022 12:49 PM	PBM-1
PROPERTY BOUNDARY MAKERS		13763	
EAGLE TRACE: PHASE 5		MADISON, WI	
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CITY OF MADISON WISCONSIN		13763	
		PBM-1	