



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

EAGLE TRACE PHASE 4

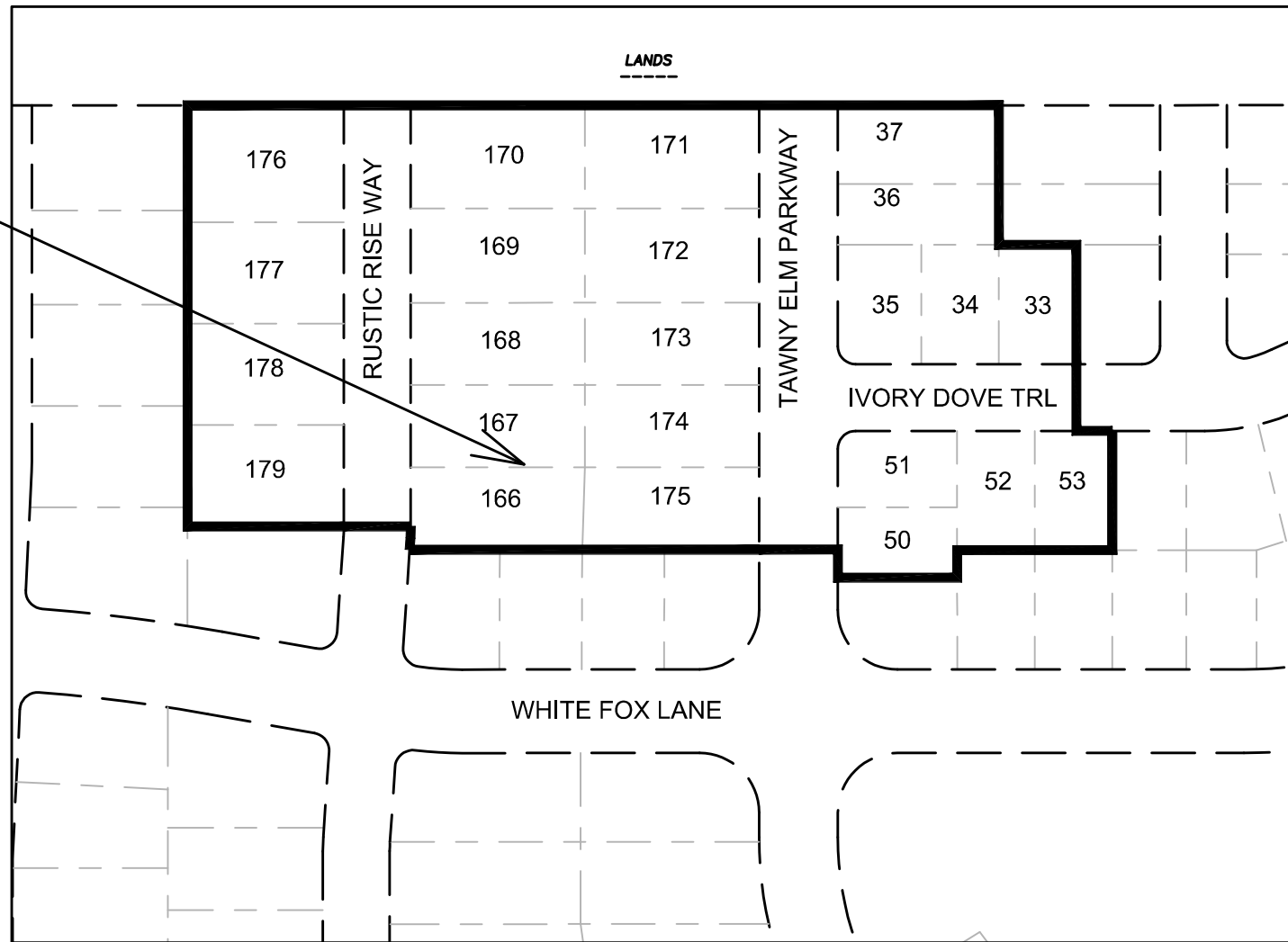
INDEX OF SHEETS

SHEET NO.	NOTES AND DETAILS
D1-D2	NOTES AND DETAILS
P1-P3	STREET PLAN & PROFILES
U1-U3	UTILITY PLAN & PROFILES
USAN	SANITARY SEWER SCHEDULE
USTM	STORM SEWER SCHEDULE
W1-W5	WATER PLANS
NO MAINTENANCE PLAN	

CITY PROJECT NO. 13297
CONTRACT NO. 8970



PROJECT
LOCATION



PUBLIC IMPROVEMENT PROJECT
APPROVED

FEBRUARY 2, 2021

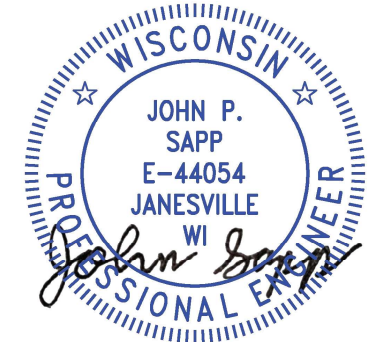
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

W- Greg Fries May 11, 2021

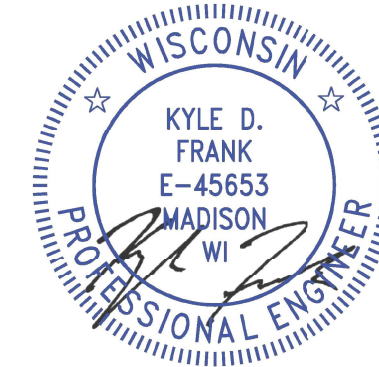
City Engineer Date

STREET GRADES
DESIGNED BY:



May 11, 2021

STORM SEWER
DESIGNED BY:



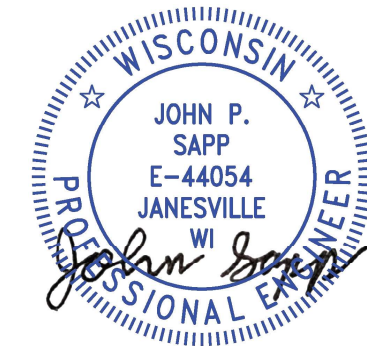
May 11, 2021

SANITARY SEWER
DESIGNED BY:



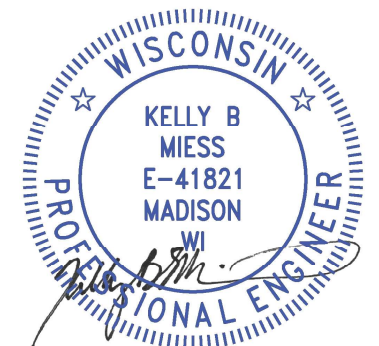
May 11, 2021

STREET GEOMETRICS
DESIGNED BY:



May 11, 2021

WATER
DESIGNED BY:



May 11, 2021

PLOT SCALE: 1 IN=1 FT_XREF

PLOT NAME: ---

REV. DATE: 4/29/2021 8:22 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 JOHN SAPP AT JSAPP@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 THE RUSTIC RISE WAY AND IVORY DOVE TRAIL RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE TAWNY ELM PARKWAY 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 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.

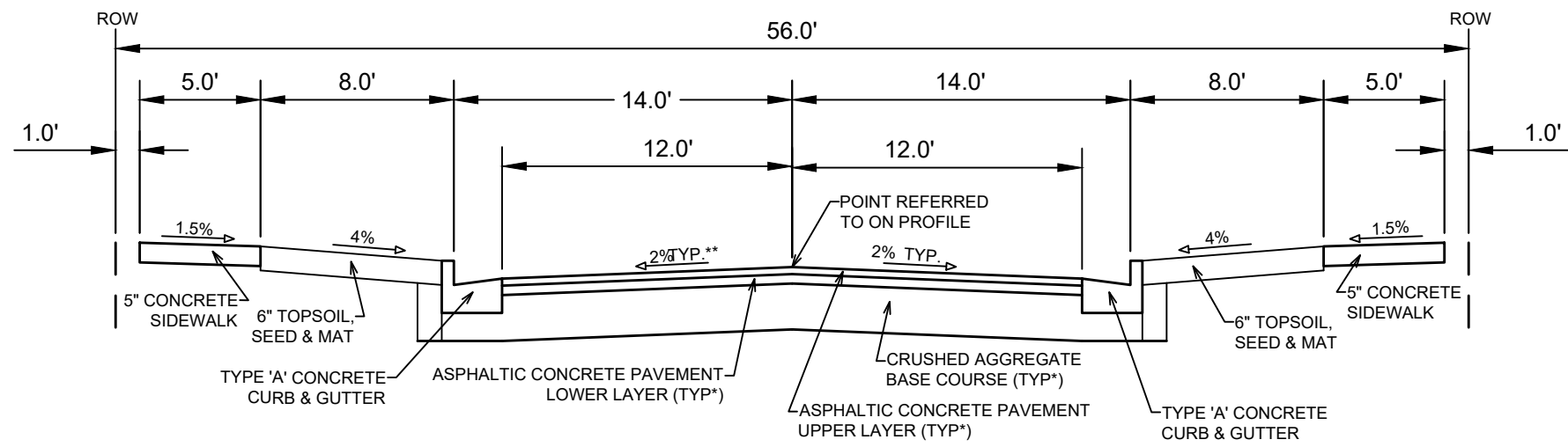
ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

MARK	REVISION	DATE	BY
13297			

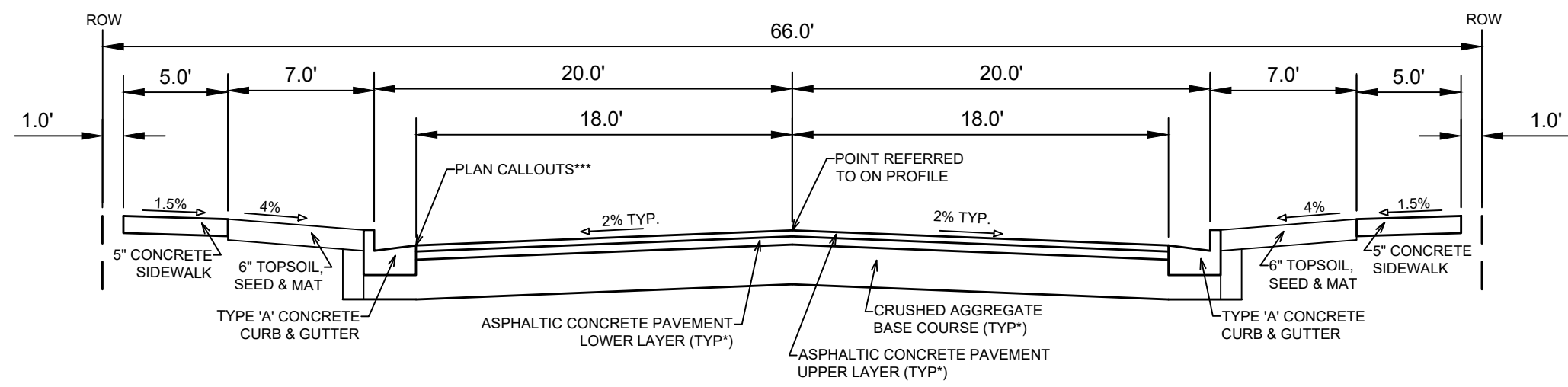
13297
MADISON, WI
8970
CONTRACT NO:

STANDARD NOTES
EAGLE TRACE PHASE 4
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TYPICAL SECTION
RUSTIC RISE WAY
IVORY DOVE TRAIL**



TYPICAL SECTION
TAWNY ELM PARKWAY

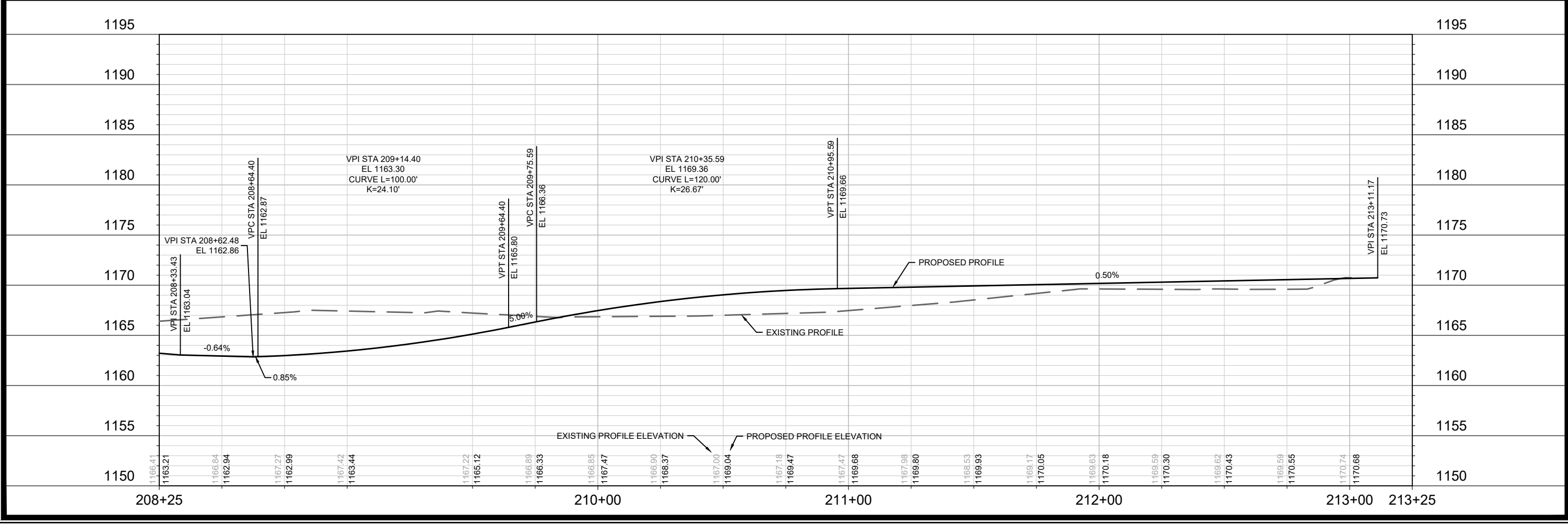
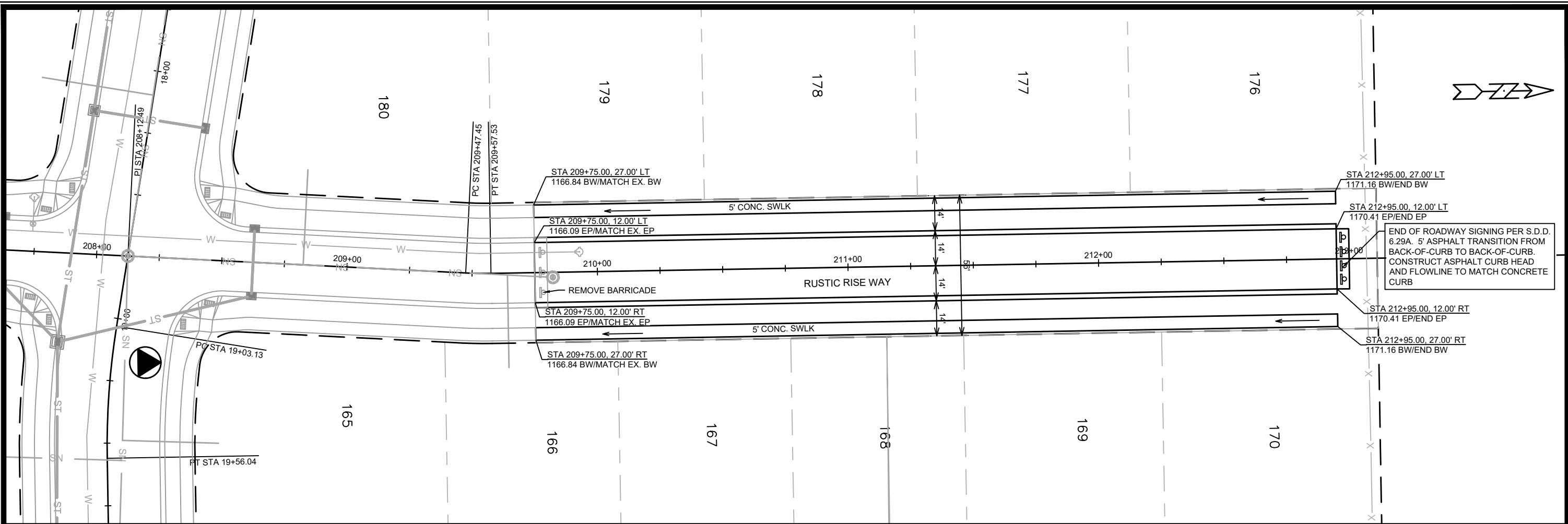
NOTES:
 * RUSTIC RISE WAY AND IVORY DOVE TRAIL SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT;
 * TAWNY ELM PARKWAY SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT;
 ** SEE PLAN AND PROFILE FOR SLOPES, ELEVATIONS AND OFFSETS
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURFACE PAVING, CONTRACT NO. 8971.

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"



13297	MADISON, WI	8970	CONTRACT NO:	13297	D-2
STANDARD DETAILS EAGLE TRACE PHASE 4 <small>M:\DESIGN\Projects\13297\CAD\Streets\13297EN-Details.dwg</small>					
13297 D-2					

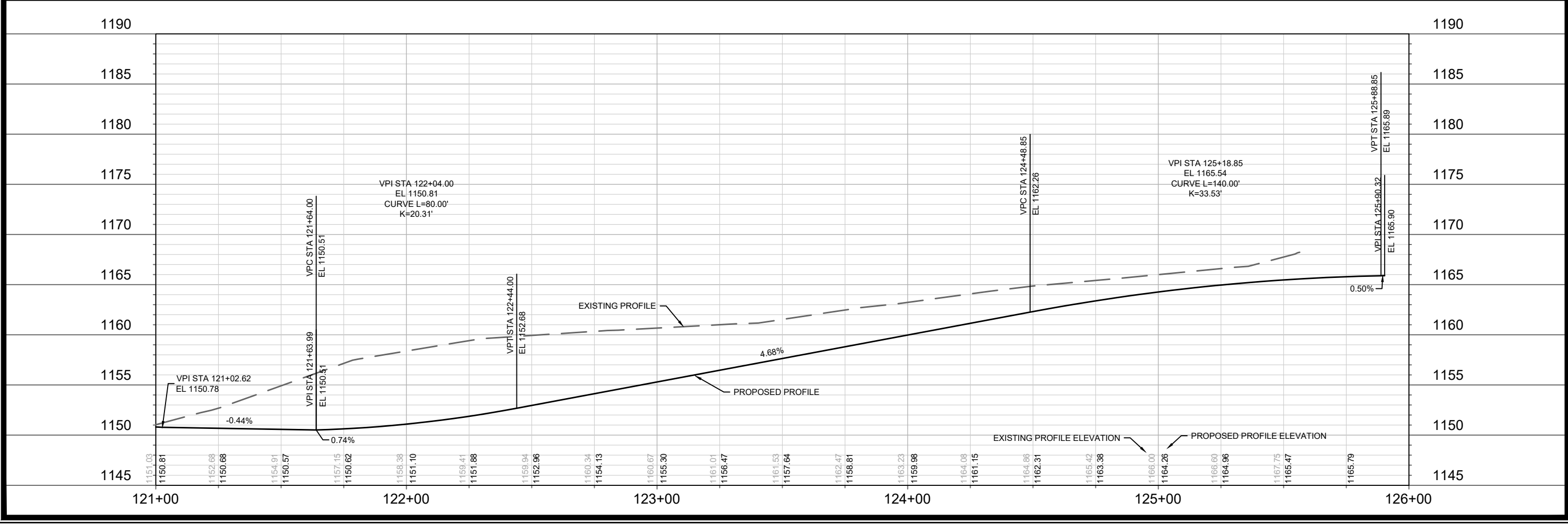
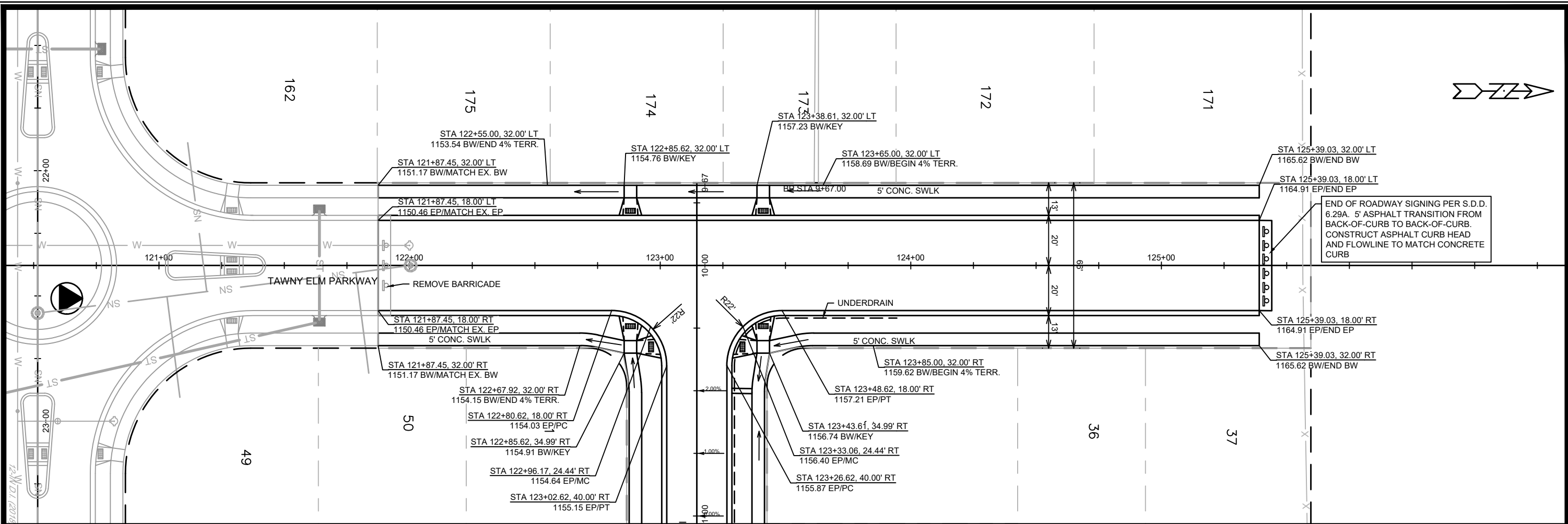


DATE	BY
REVISION	
Designed By: ##	Date: 4/29/2021 8:16 AM
MARK	13297
Contract No:	8970
Project:	13297
Location:	MADISON, WI
Sheet:	P-1

RUSTIC RISE WAY - STREET PLAN & PROFILE
EAGLE TRACE PHASE 4

13297
P-1

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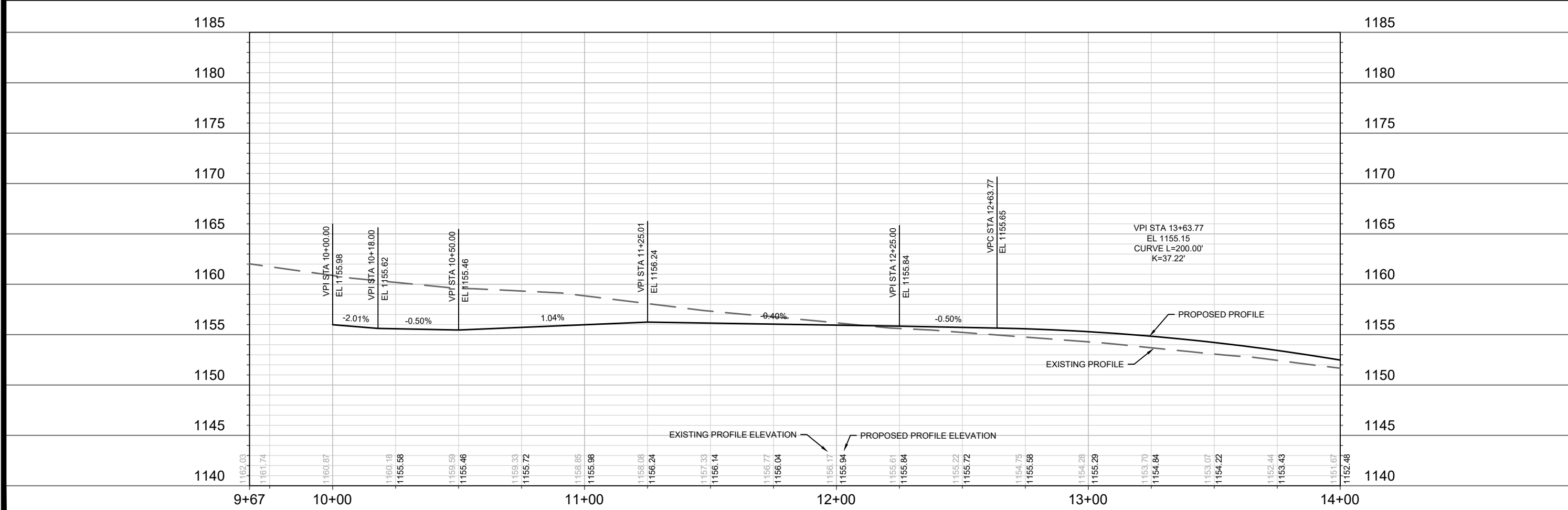
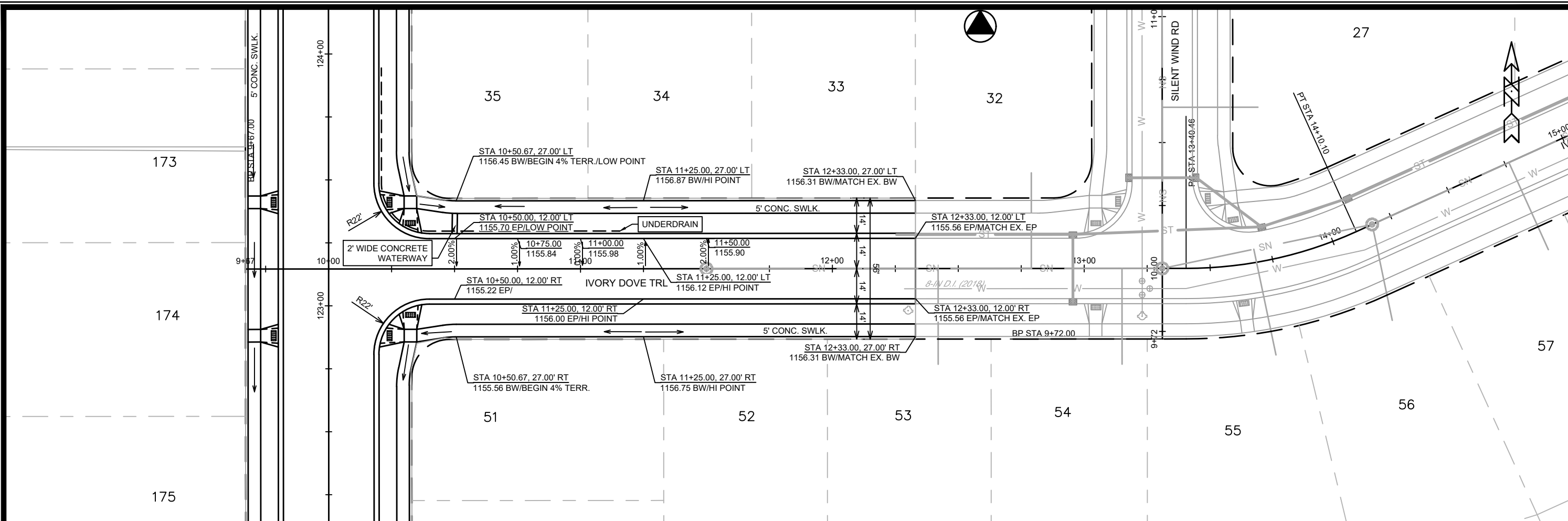


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13297
MADISON, WI
8970
CONTRACT NO:

TAWNY ELM PKWY - STREET PLAN & PROFILE
EAGLE TRACE PHASE 4
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13297
P-2



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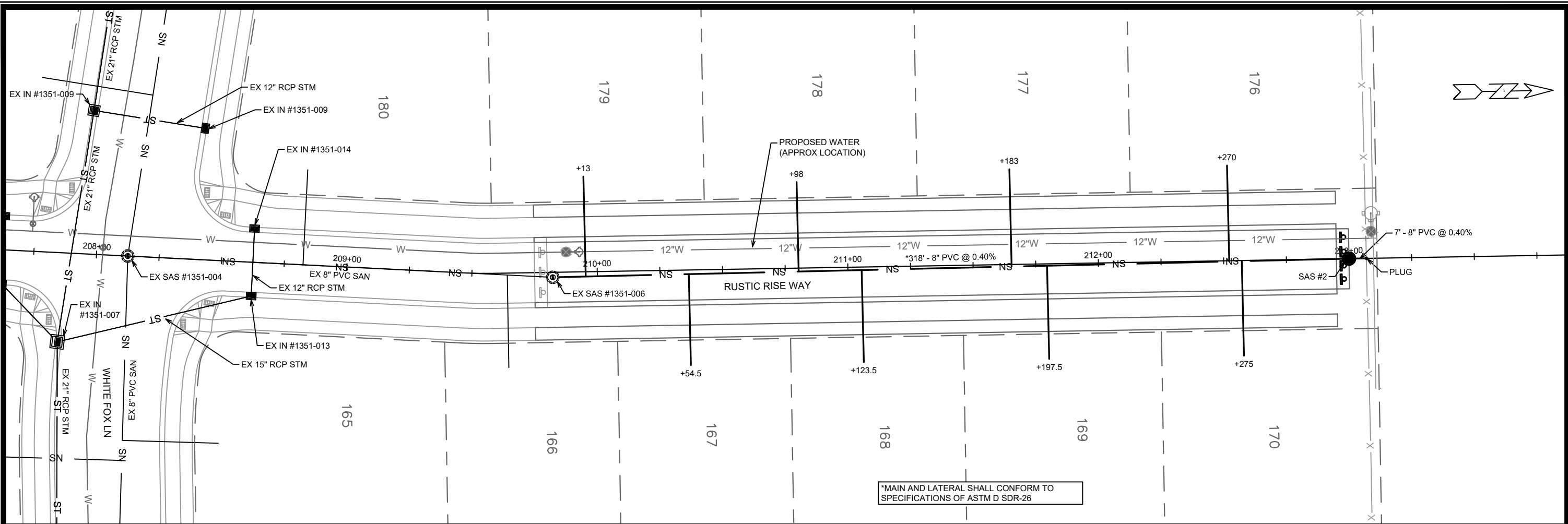
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 13297 P-3

13297
 MADISON, WI
 CONTRACT NO: 8970

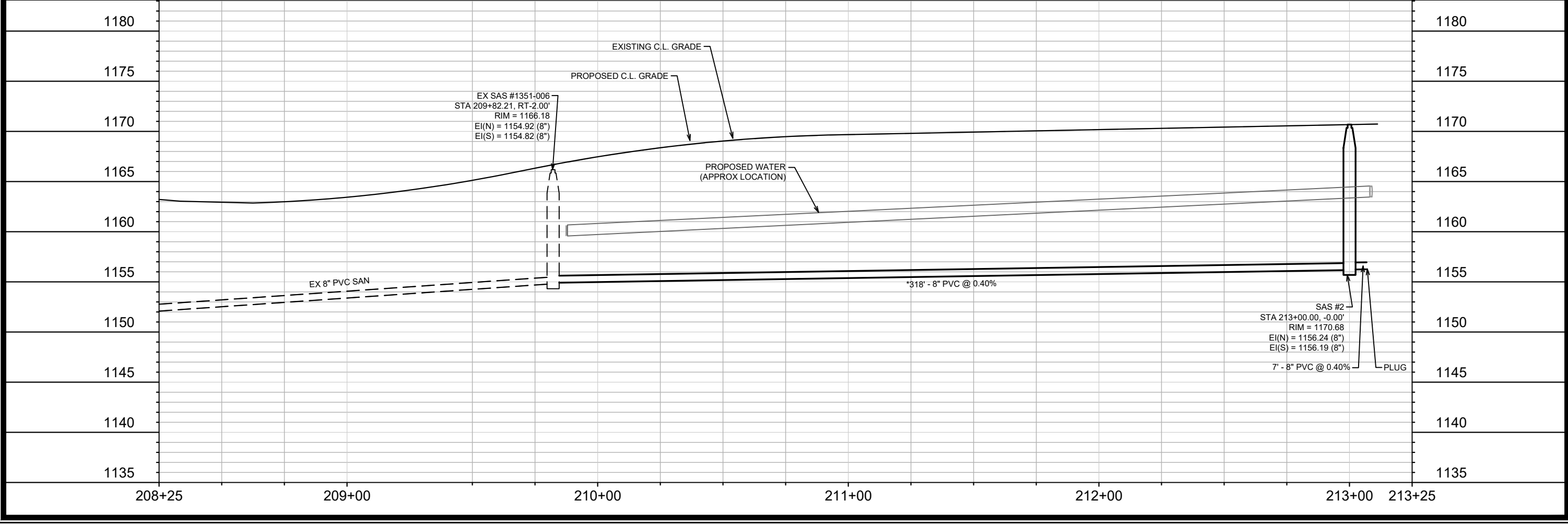
IVORY DOVE TRL - STREET PLAN & PROFILE
 EAGLE TRACE PHASE 4

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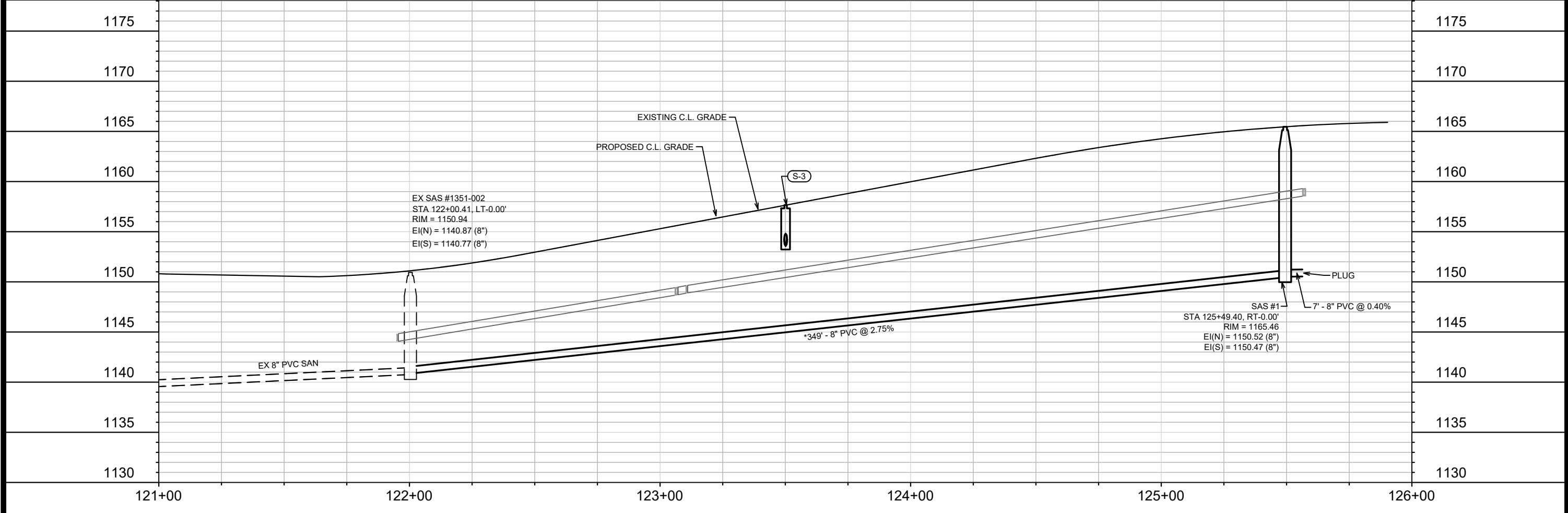
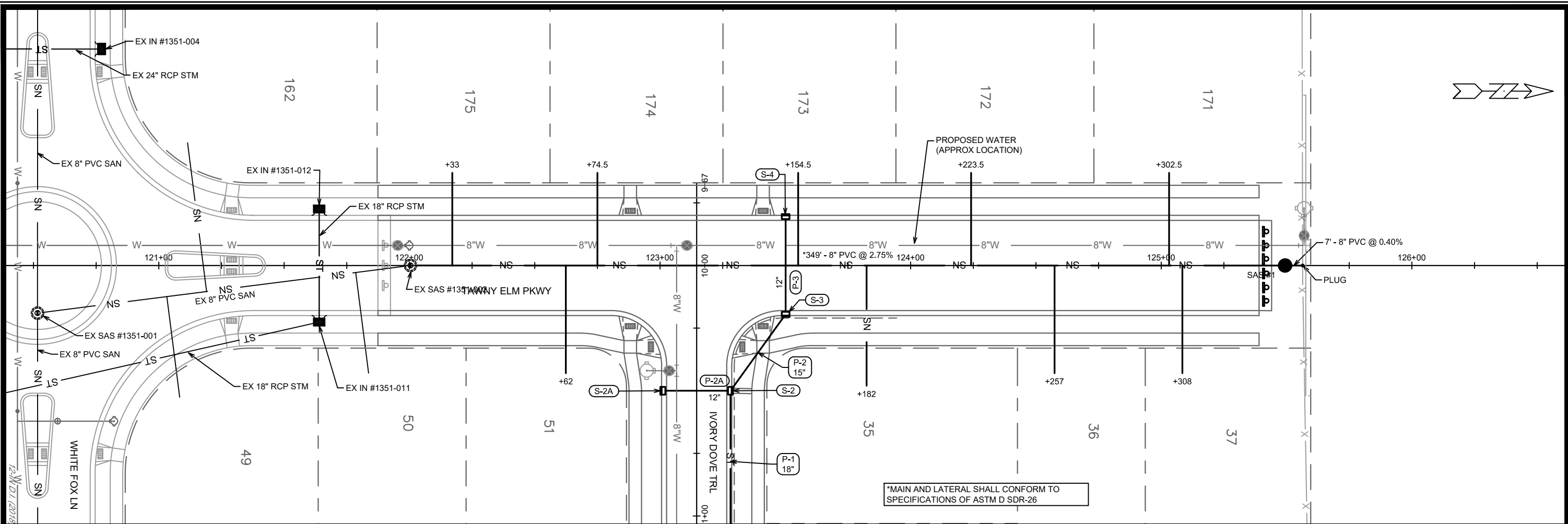




*MAIN AND LATERAL SHALL CONFORM TO SPECIFICATIONS OF ASTM D SDR-26



DATE	BY
REVISION	
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CONTRACT NO:	8970
UTILITY PLAN AND PROFILE - RUSTIC RISE WAY	
EAGLE TRACE PHASE 4	
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CITY OF MADISON WISCONSIN	
13297	
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DATE	BY
REVISION	
Designed By: KDF	Date: 4/28/2021 5:13 PM
Scale: 1" = 40'	
MARK	13297

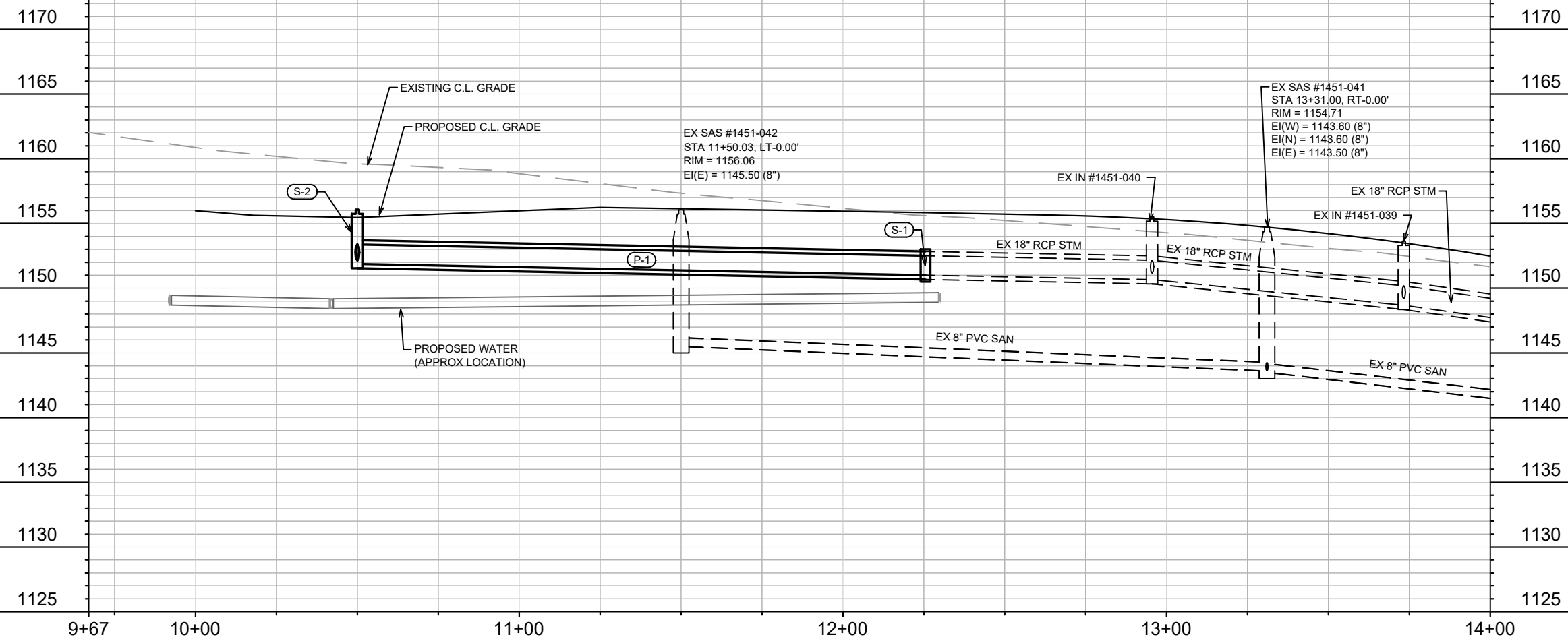
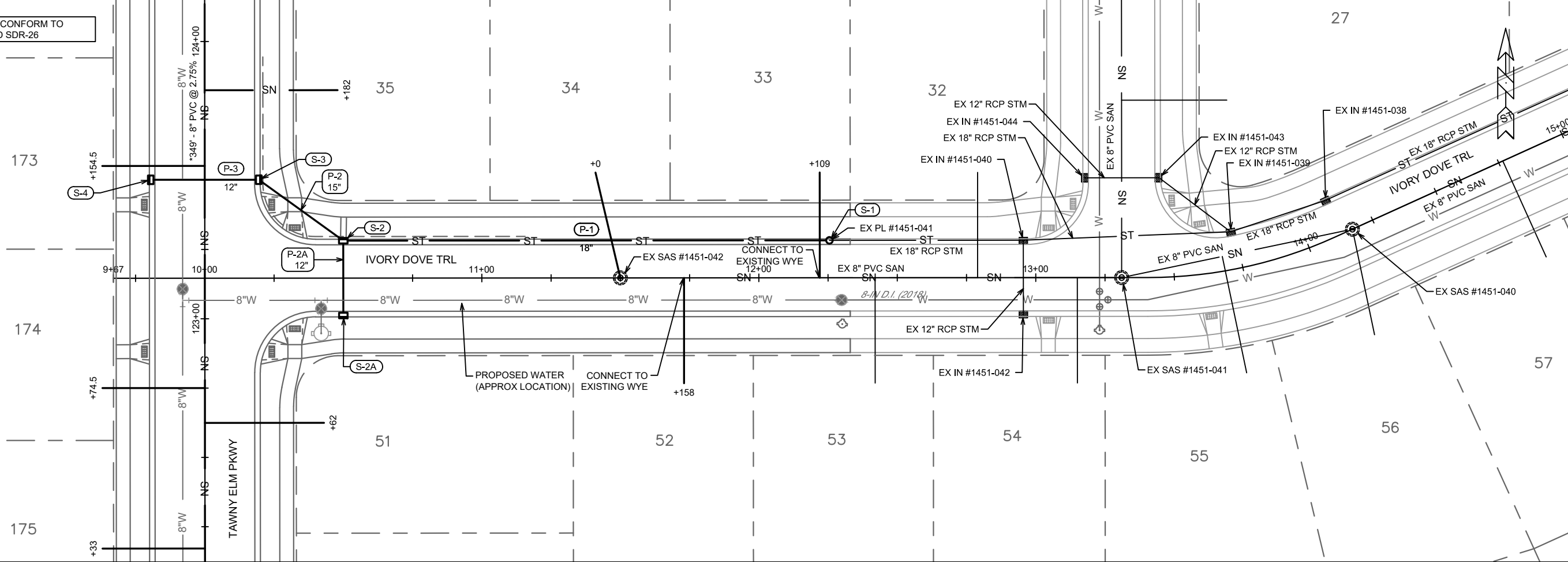
13297
MADISON, WI
CONTRACT NO: 8970

UTILITY PLAN AND PROFILE - TAWNEY ELM PKWY
EAGLE TRACE PHASE 4
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13297
U-2

*MAIN AND LATERAL SHALL CONFORM TO SPECIFICATIONS OF ASTM D SDR-26



MARK	REVISION	DATE	BY
13297	U-3	4/28/2021 5:13 PM	Scale: 1" = 40'

13297
 MADISON, WI
 CONTRACT NO.: 8970

UTILITY PLAN AND PROFILE - IVORY DOVE TRL
 EAGLE TRACE PHASE 4
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13297
 U-3

SANITARY SEWER SCHEDULE

EAGLE TRACE PHASE 4
PROJECT NO. 13297

SHEET NO.
U-4

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
TAWNY ELM PKWY						
SAS #1	125+49.40	CL	1165.46	1150.47	14.99	-
RUSTIC RISE WAY						
SAS #2	213+00.00	CL	1170.68	1156.19	14.49	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
TAWNY ELM PKWY								
SAS #1351-002	SAS #1	1140.87	1150.47	349	2.75%	8"	SDR-26	-
RUSTIC RISE WAY								
SAS #1351-006	SAS #2	1154.92	1156.19	318	0.40%	8"	SDR-26	-

SPECIFIC NOTES

STORM SEWER SCHEDULE

EAGLE TRACE PHASE 4
PROJECT NO. 13297

SHEET NO.
U-5

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
IVORY DOVE WAY							
S-1	12+25.50	LT-13.50	COLLAR	-	1151.00	-	-
S-2	10+50.00	LT-13.50	3X3 SAS	1156.08	1151.88	4.20	LP, UD, W/R-3067-7004-VB
S-2A	10+50.00	RT-13.50	H INLET	1155.60	1152.52	3.08	W/R-3067-7004-V
TAWNEY ELM PARKWAY							
S-3	123+50.12	RT-19.50	H INLET	1157.66	1153.56	4.10	UD, W/R-3067-7004-V
S-4	123+50.12	LT-19.50	H INLET	1157.66	1154.00	3.66	W/R-3067-7004-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
IVORY DOVE WAY										
P-1	S-1	S-2	1151.00	1151.88	175.5	174.0	0.51%	18"	RCP	-
P-2	S-2	S-3	1152.13	1153.56	37.5	33.9	4.22%	15"	TYPE II	-
P-2A	S-2	S-2A	1152.38	1152.52	27	24.0	0.58%	12"	RCP	-
TAWNEY ELM PARKWAY										
P-3	S-3	S-4	1153.81	1154.00	39	36.0	0.53%	12"	RCP	-

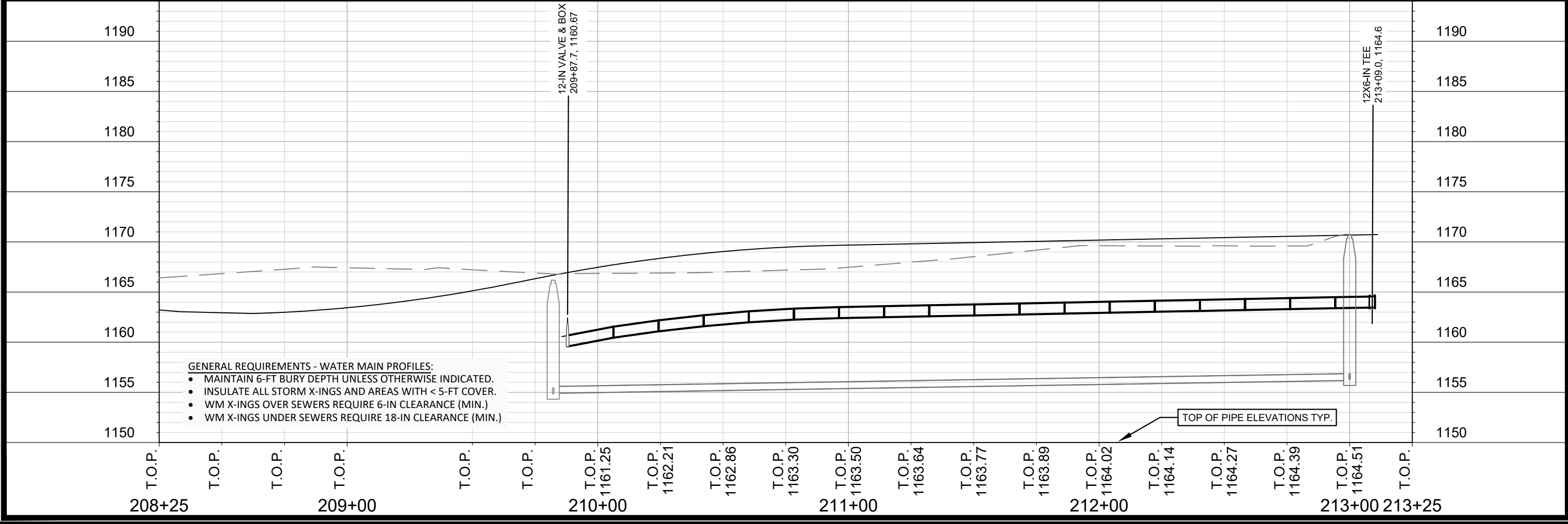
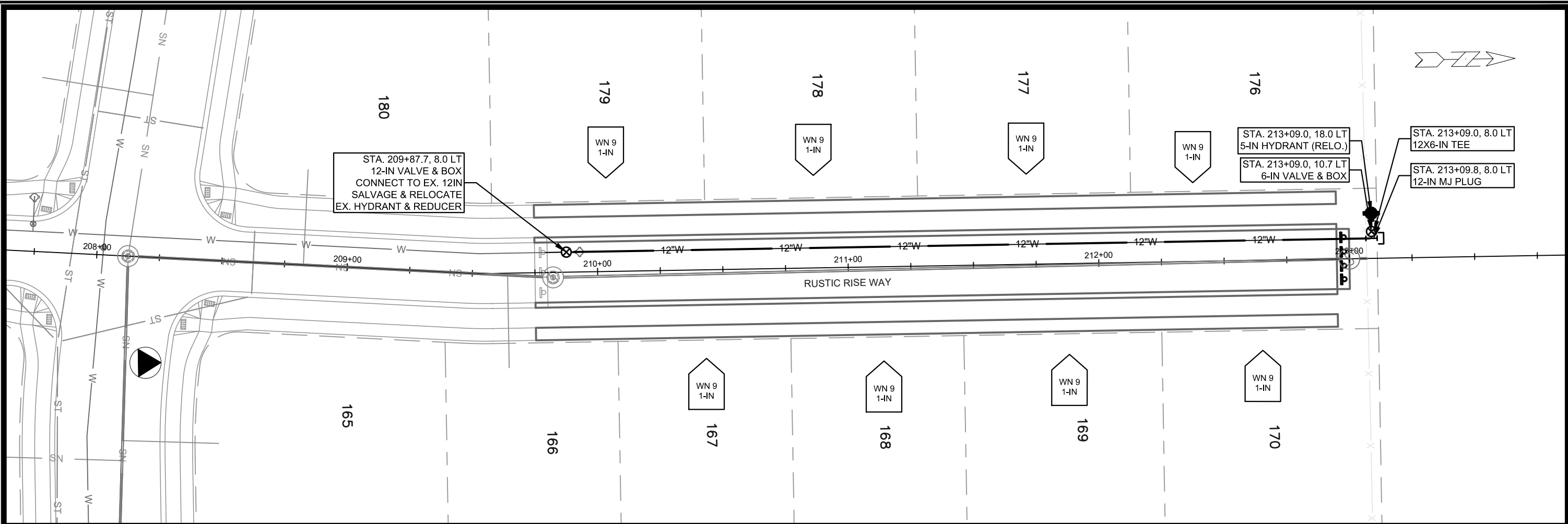
SPECIFIC NOTES:

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.
- 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.

STANDARD NOTES:

- 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 SASs.
- TOP OF CONCRETE ROOF (TR) IS 1.25 BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD Poured SHALL BE FIELD Poured. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD Poured) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.



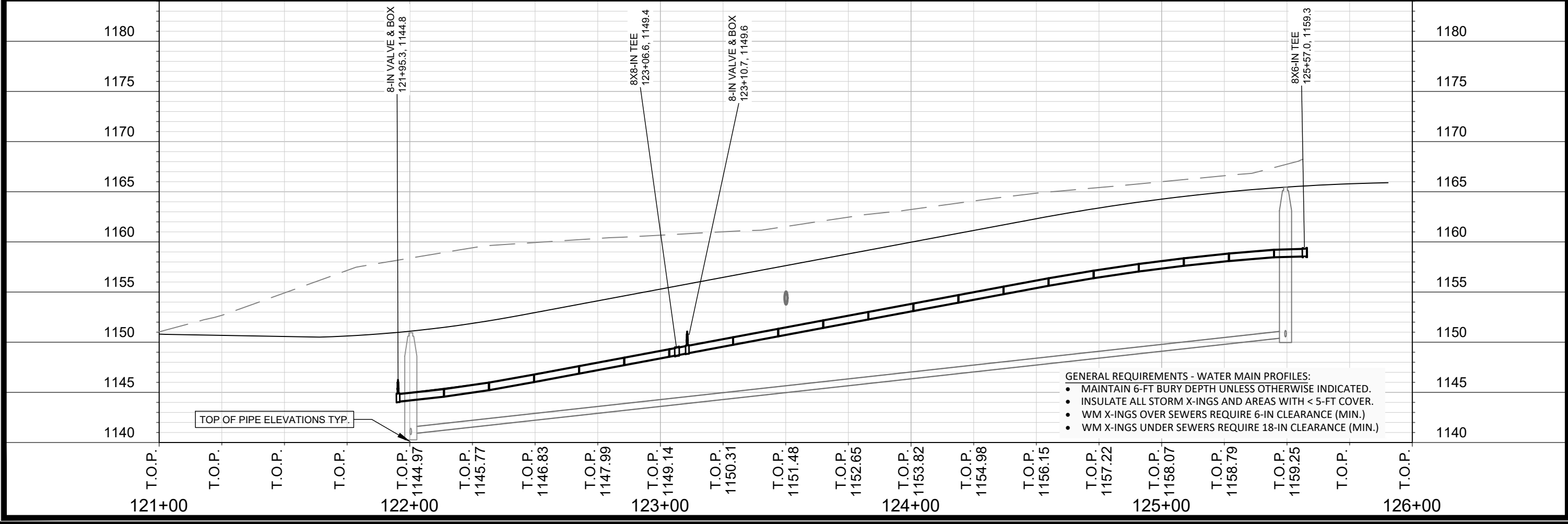
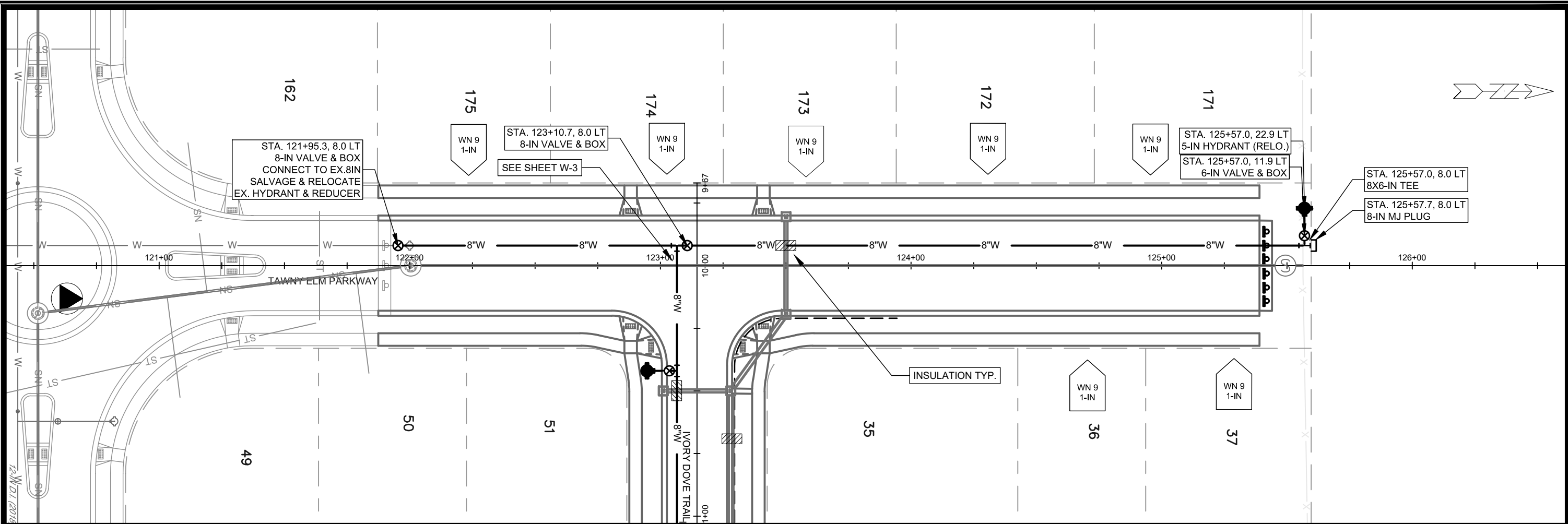
- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

SCALE: 1" = 40'
 DESIGNED BY: KBM/TDP
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 4/28/21

EAGLE TRACE PHASE 4
 PLAN & PROFILE: RUSTIC RISE WAY
 CITY OF MADISON, WISCONSIN
 CONTRACT NO: 8970



13297
 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.)

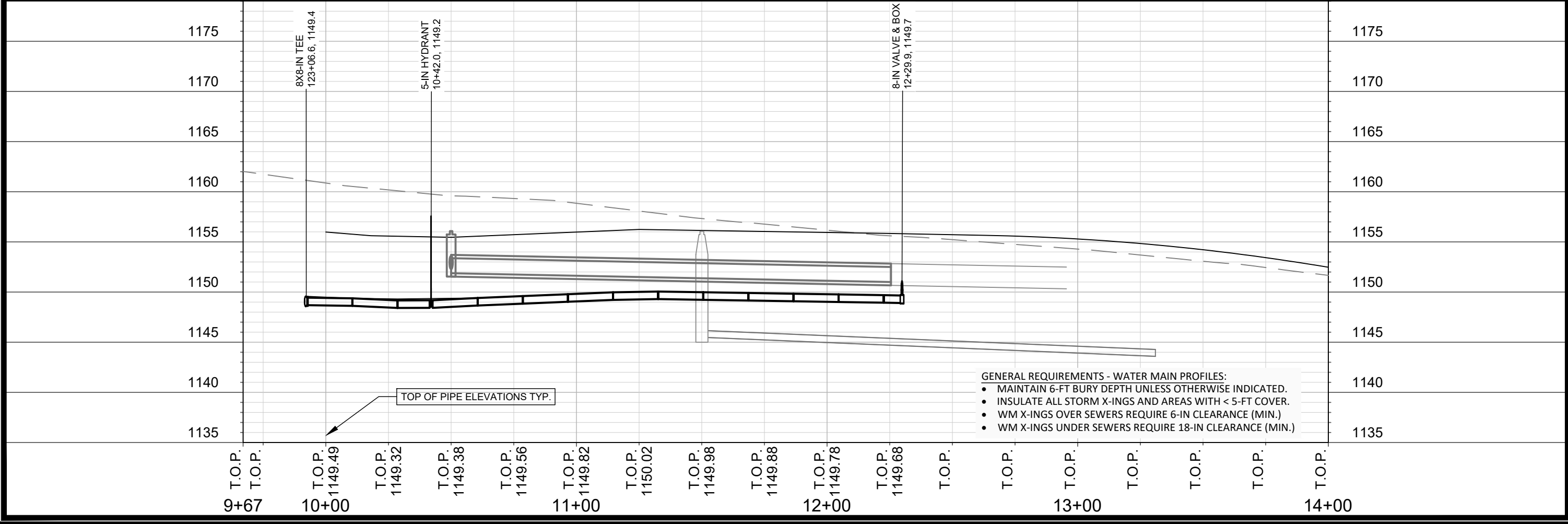
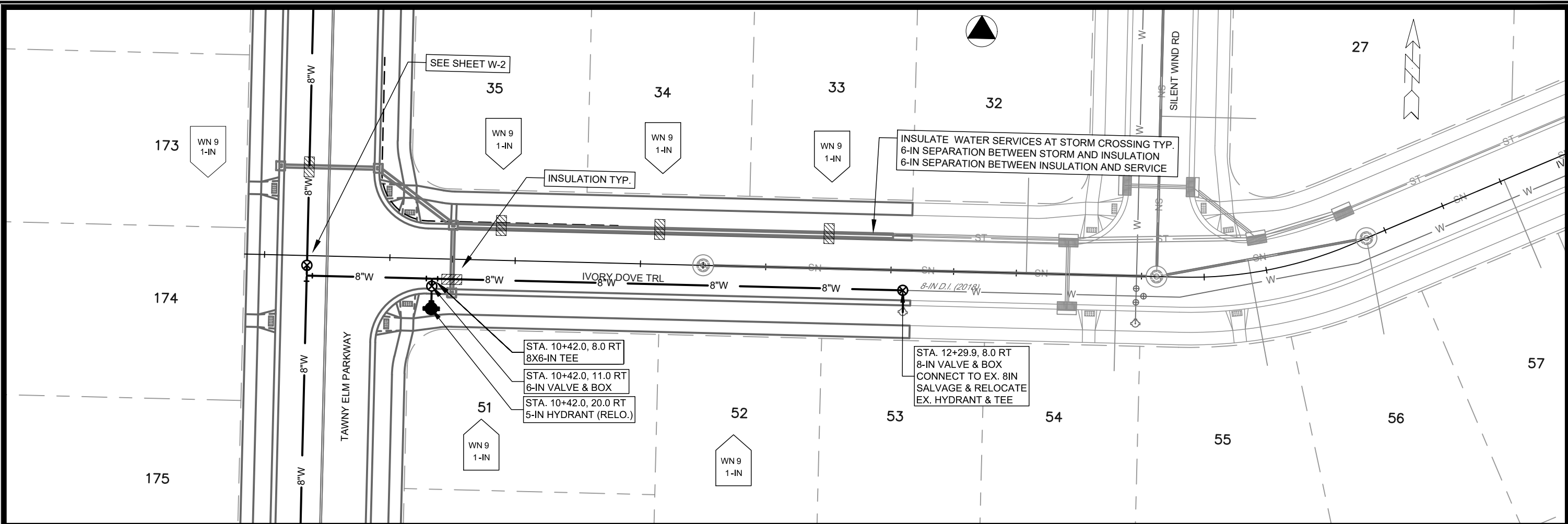
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 DESIGNED BY: KBM/TDP
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 4/28/21

CONTRACT NO: 8970

EAGLE TRACE PHASE 4
 PLAN & PROFILE: TAWNY ELM PARKWAY
 CITY OF MADISON, WISCONSIN



13297
 W-2



- 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.)

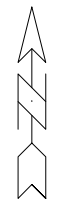
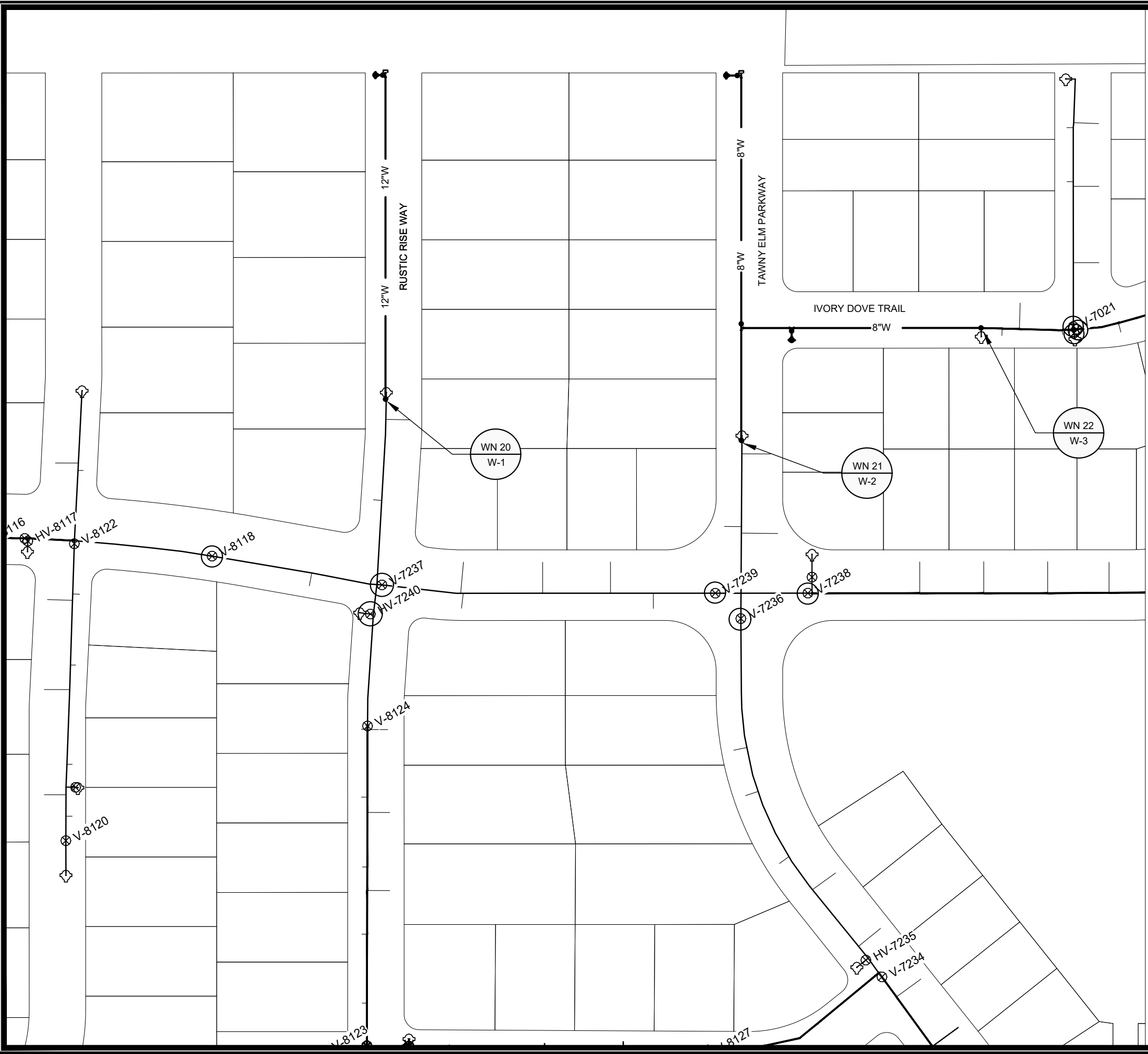
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 DESIGNED BY: KBM/TDP
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 4/28/21

CONTRACT NO: 8970

EAGLE TRACE PHASE 4
 PLAN & PROFILE: IVORY DOVE TRAIL
 CITY OF MADISON, WISCONSIN



13297
 W-3



WN-22
 CONNECTION TO EX. 8IN AT IVORY DOVE TRAIL,
 ISOLATION VALVES: V-7019, V-7020, AND V-7021
 NOTIFY: ALL OF SILENT WIND RD. (613-621), AND 10323, 10324, AND 10327 IVORY DOVE TRAIL

WN-21
 CONNECTION TO EX. 8-IN AT TAWNY ELM PKWY
 ISOLATION VALVES: V-7236, V-7238, AND V-7239
 NOTIFY: 601 AND 605 TAWNY ELM PKWY AND 10404 WHIT FOX LANE

WN-20
 CONNECTION TO EX. 12IN AT RUSTIC RISE WAY
 ISOLATION VALVES: V-7237, V-7240, AND V-8118
 NOTIFY: 537, 538, 604, AND 607 RUSTIC RISE WAY ALL OF WINDY WILLOW RD. (527-602) AND 537 CLEAR POND WAY AT WHITE FOX 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.

SCALE: 1"=100'
 DESIGNED BY: ##
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 4/28/21

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EAGLE TRACE PHASE 4
 WATER IMPACT PLAN IMPACT PLAN
 CITY OF MADISON, WISCONSIN



13297
 W-4



CONSTRUCTION NOTES:

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|---|---|-----|--|------|---|------|--|------|---|------|-------------------------------------|------|---------------------------------------|------|---|------|------------------------|------|---|-------|-------------------------------------|-------|---|--------|---|
| <ol style="list-style-type: none"> 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. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. CONTRACTOR IS RESPONSIBLE OR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK. | <table border="0"> <tr><td>WN1</td><td>REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</td></tr> <tr><td>WN-2</td><td>EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</td></tr> <tr><td>WN-3</td><td>EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</td></tr> <tr><td>WN-4</td><td>DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</td></tr> <tr><td>WN-5</td><td>RELOCATE THE EXISTING FIRE HYDRANT.</td></tr> <tr><td>WN-6</td><td>ABANDON WATER VALVE ACCESS STRUCTURE.</td></tr> <tr><td>WN-7</td><td>FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</td></tr> <tr><td>WN-8</td><td>ABANDON THE VALVE BOX.</td></tr> <tr><td>WN-9</td><td>FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</td></tr> <tr><td>WN-10</td><td>REMOVE AND SALVAGE EXISTING HYDRANT</td></tr> <tr><td>WN-11</td><td>REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</td></tr> <tr><td>WN-20+</td><td>SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</td></tr> </table> | WN1 | 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. |
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| 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 | | | | | | | | | | | | | | | | | | | | | | | | |
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WATER UTILITY ULO SCHEDULE

ULO	UTILITY	STATION	OFFSET	SHEET
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SCALE: #####
 DESIGNED BY: KBM/TDP
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 4/28/21

CONTRACT NO: 8970

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

PAY ITEM	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	37	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	655	LNFT
70005	FURNISH AND INSTALL 12-INCH PIPE & FITTINGS	355	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	3	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	3	EACH
70034	FURNISH AND INSTALL 12-INCH WATER VALVE	1	EACH
71016	12-IN MJ PLUG	1	EACH
71210	8X6-IN TEE	1	EACH
71211	8X8-IN TEE	1	EACH
71217	12X6-IN TEE	1	EACH

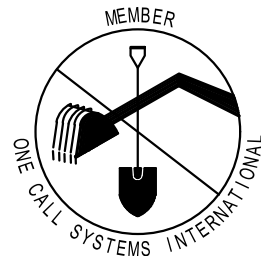
***ESTIMATE OF REUSED AND SALVAGED MATERIALS:**

HYDRANT	3	RELOCATE
8X6 TEE	1	RELOCATE
8X6 REDUCER	1	SALVAGE
12X6 REDUCER	1	SALVAGE
8-IN MJ PLUG	1	RELOCATE

* 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.

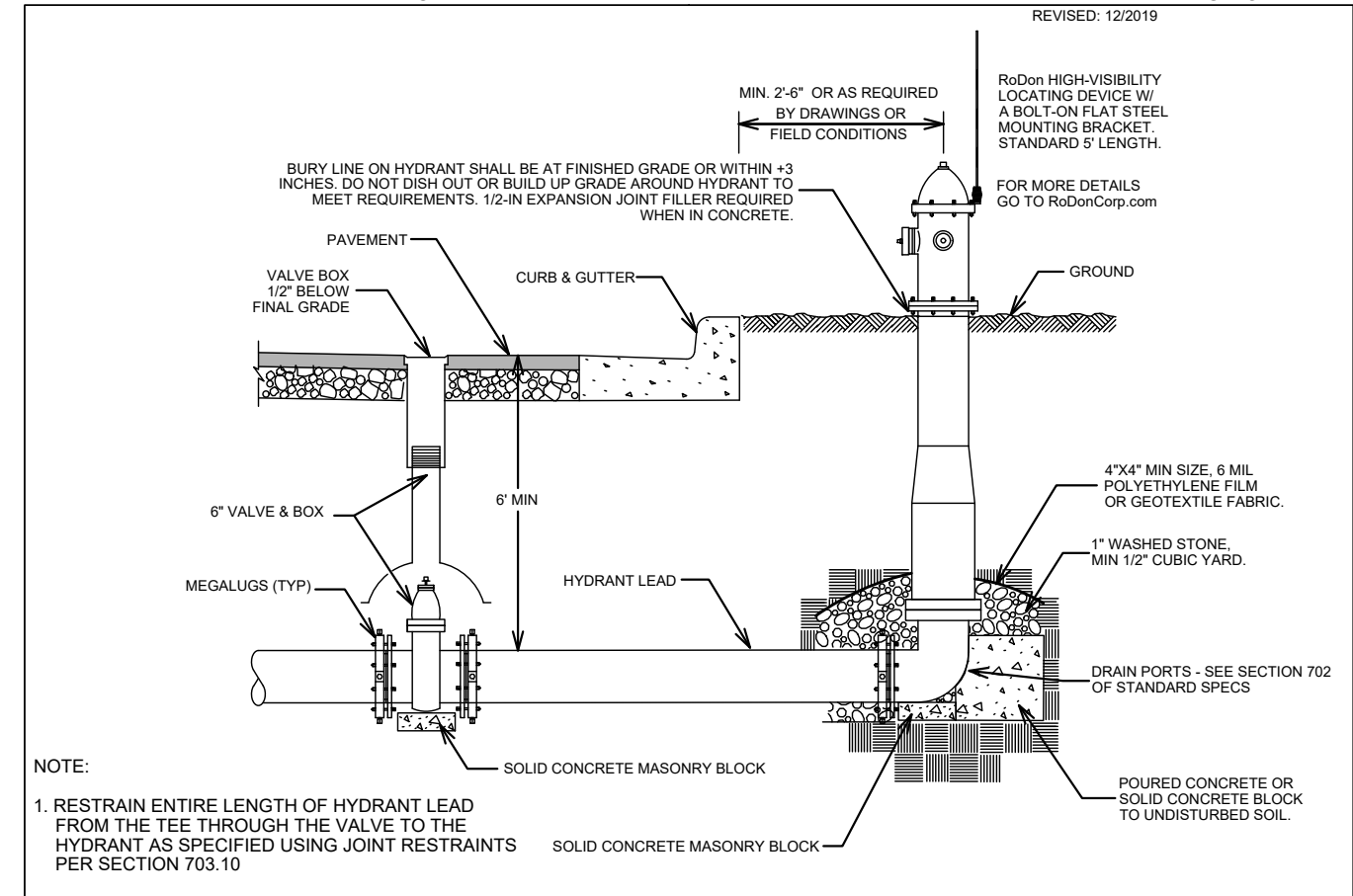


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2019



NOTE:

- RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

CITY OF MADISON WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

EAGLE TRACE PHASE 4
 WATER ESTIMATE OF MATERIALS
 CITY OF MADISON, WISCONSIN



13297

W-5