



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

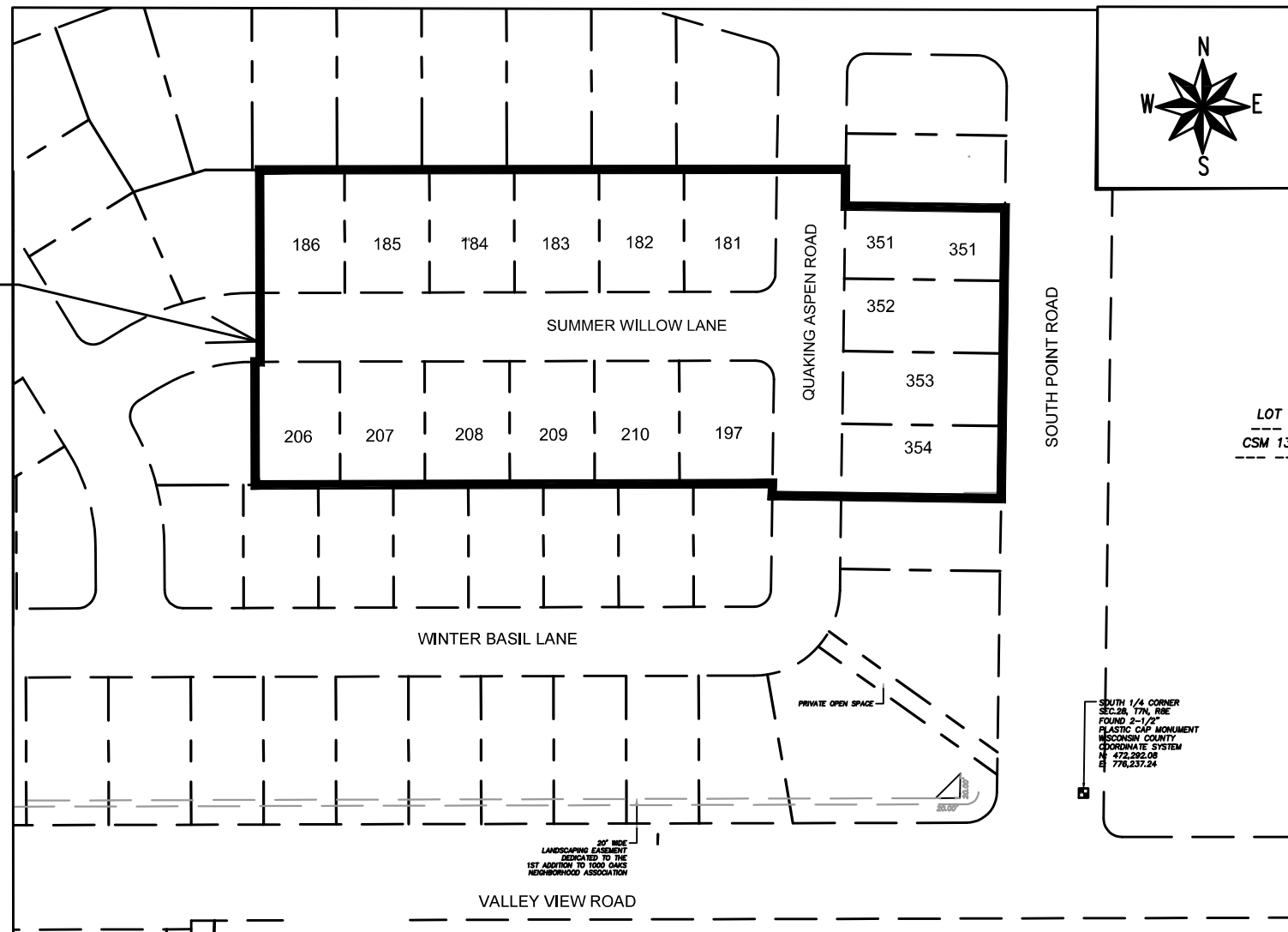
FIRST ADDITION TO 1000 OAKS PHASE 10

INDEX OF SHEETS

SHEET NO.	NOTES AND DETAILS
D1-D2	NOTES AND DETAILS
P1-P2	STREET PLAN & PROFILES
U1-U2	UTILITY PLAN & PROFILES
USAN	SANITARY SEWER SCHEDULE
USTM	STORM SEWER SCHEDULE
W1-W4	WATER PLANS
NO-MAINTENANCE PLAN	

CITY PROJECT NO. 13290
CONTRACT NO. 8963

PROJECT LOCATION



PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 30, 2021

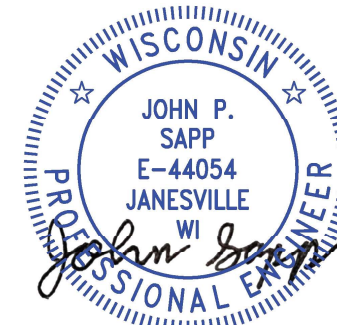
BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Christy Fedak Aug 9, 2021

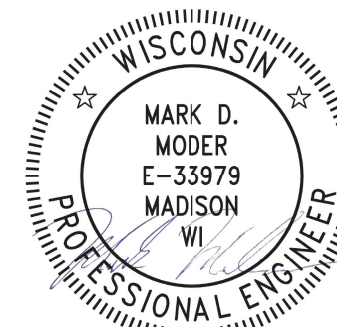
City Engineer Date

STREET DESIGNED BY:



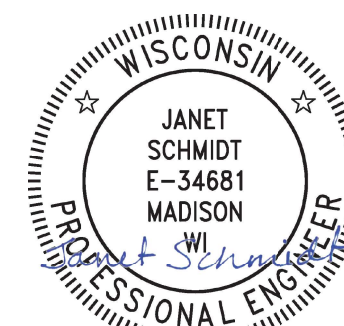
Aug 10, 2021

SANITARY SEWER DESIGNED BY:



Aug 9, 2021

STORM DESIGNED BY:



Aug 10, 2021

WATER DESIGNED BY:



Aug 9, 2021

PLOT SCALE: 1:1_XREF

PLOT NAME: ---

REV. DATE: 7/27/2021 2:08 PM




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 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 SUMMER WILLOW LN RIGHT SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN QUAKING ASPEN RD RIGHT-OF-WAY SHALL BE TYPE A 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

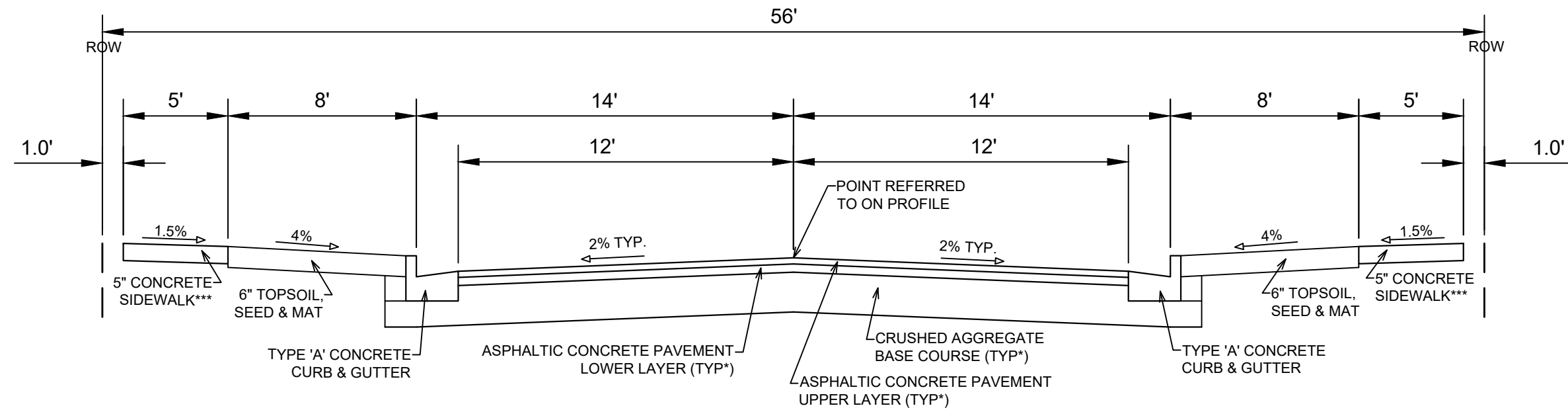
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13290
MADISON, WI
8963
CONTRACT NO:

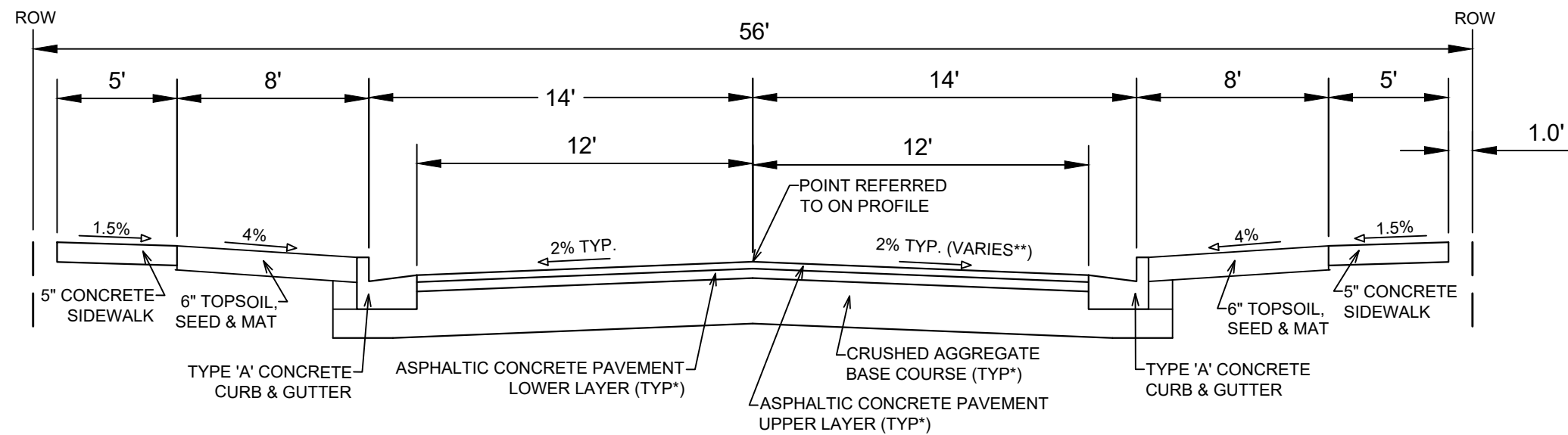
GENERAL NOTES
FIRST ADDITION 1000 OAKS-PHASE 10
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13290
D-1



TYPICAL SECTION
 SUMMER WILLOW LN
 NOT TO SCALE



TYPICAL SECTION
 QUAKING ASPEN RD
 NOT TO SCALE

NOTES:

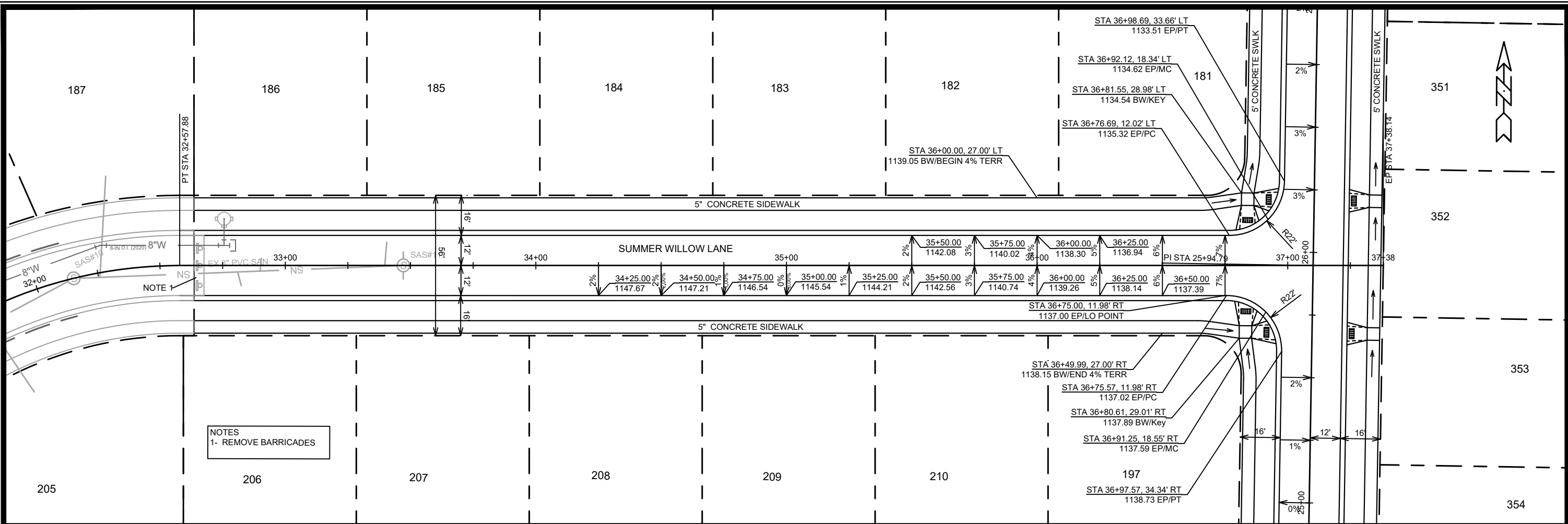
- * SUMMER WILLOW LN SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- * QUAKING ASPEN RD SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- * THE DEVELOPER SHALL COMPLETE SURFACE ASPHALT PAVING FOR FIRST ADDITION TO 1000 OAKS PHASE 10 PER CONTRACT 8964, FIRST ADDITION TO 1000 OAKS PHASE 10 SURFACE PAVING

CITY OF MADISON MINIMUM PAVEMENT DESIGN †

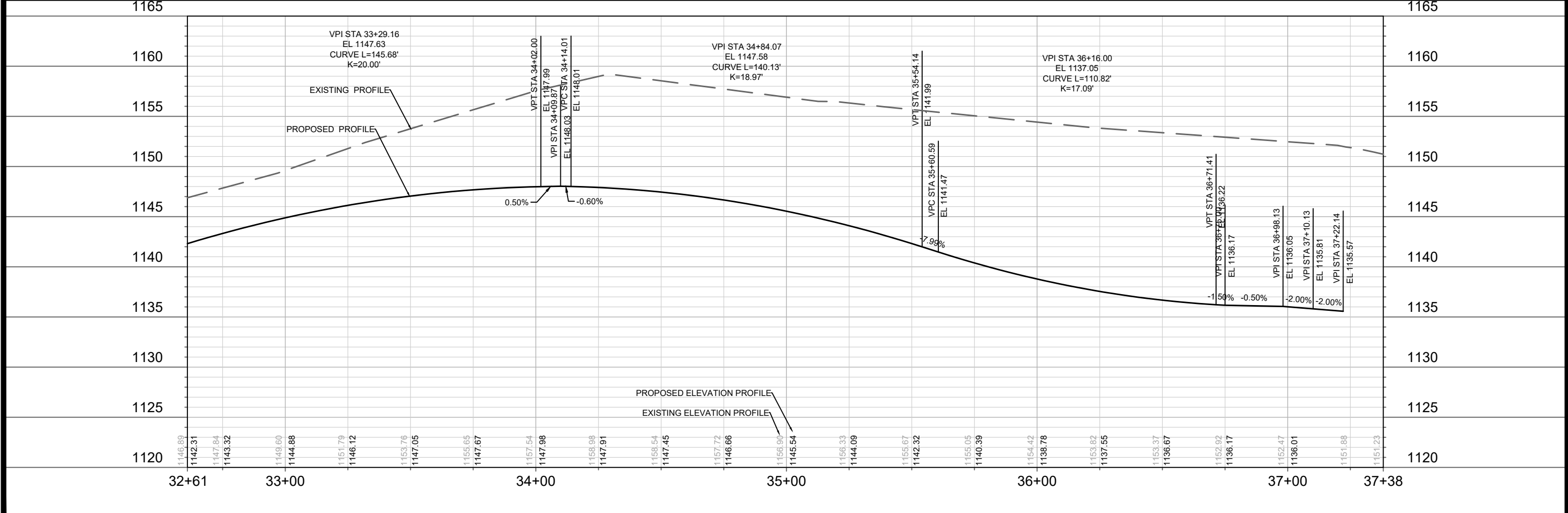
TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT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



13290	MADISON, WI	8963	CONTRACT NO:	13290	D-2
TYPICAL SECTION		FIRST ADDITION 1000 OAKS-PHASE 10		M:\DESIGN\Projects\13290\CAD\Streets\13290EN-Details.dwg	
13290					
D-2					

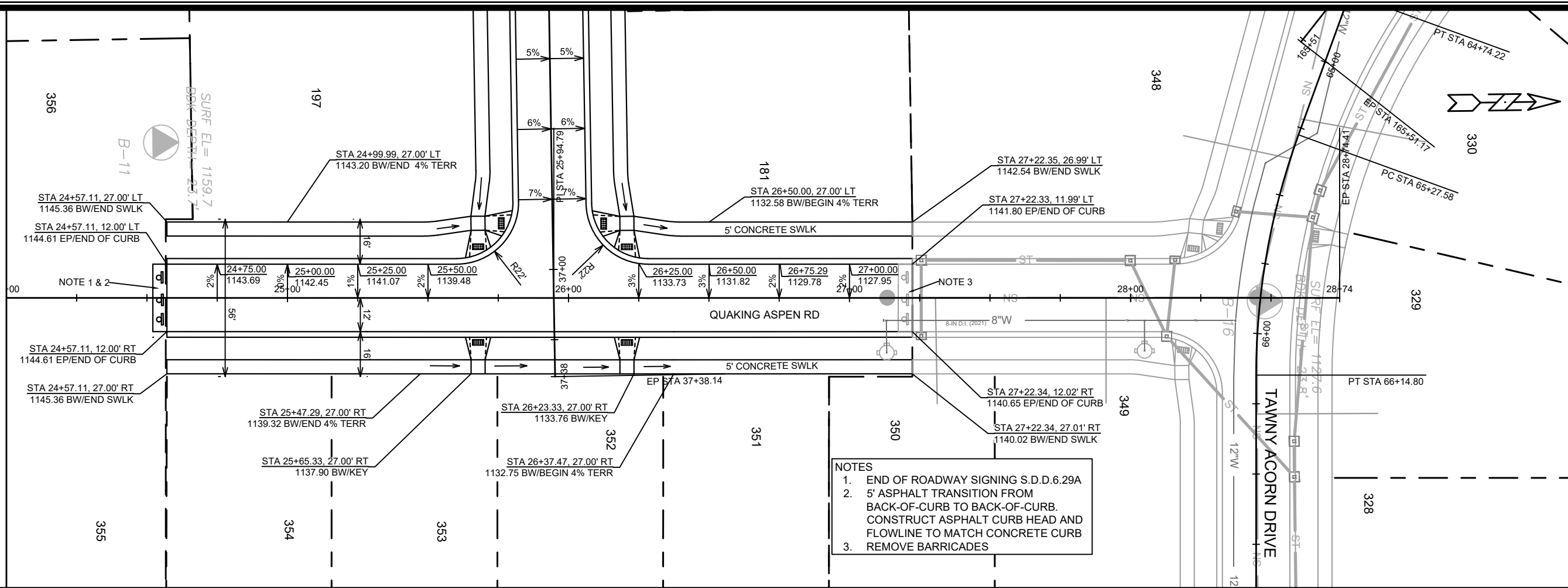


NOTES
1- REMOVE BARRICADES

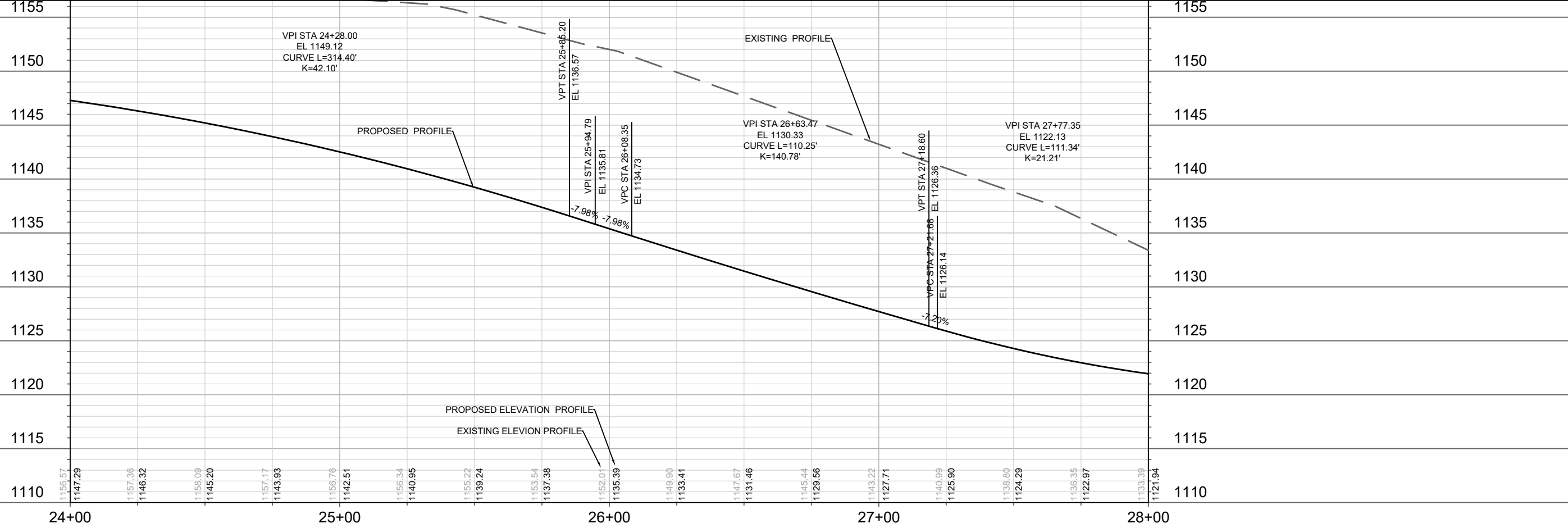


13290	MADISON, WI	8963	CONTRACT NO:
SUMMER WILLOW LANE - STREET PLAN & PROFILE			
1000 OAKS PHASE 10			
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13290	P-1		

MATCH LINE 24+00.00



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

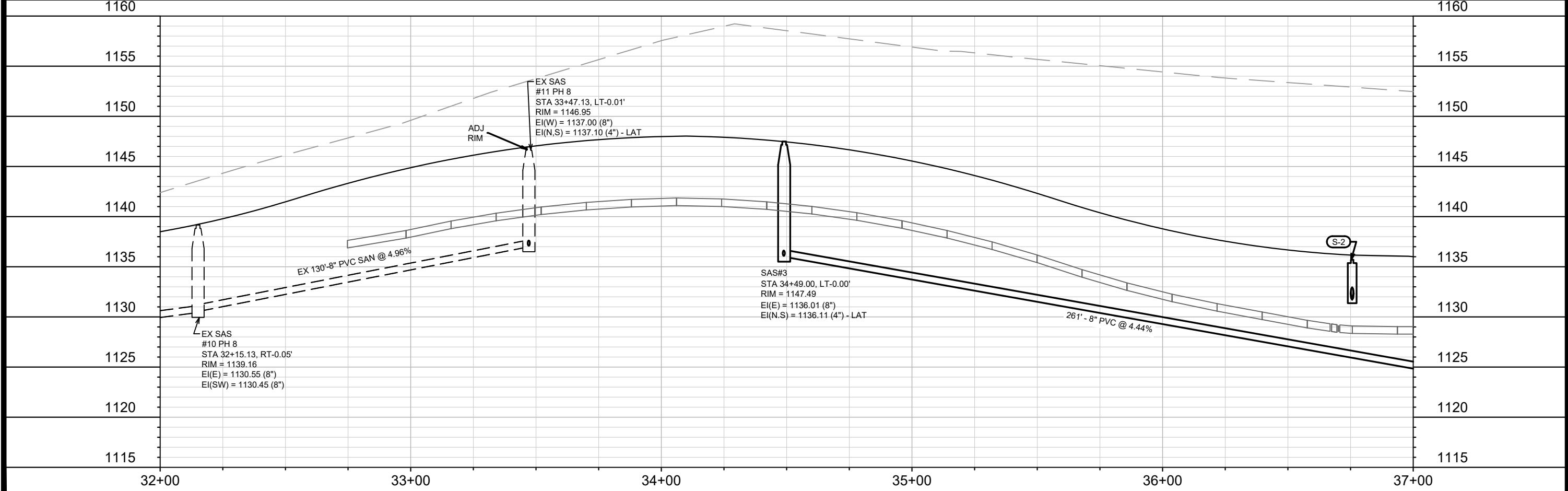
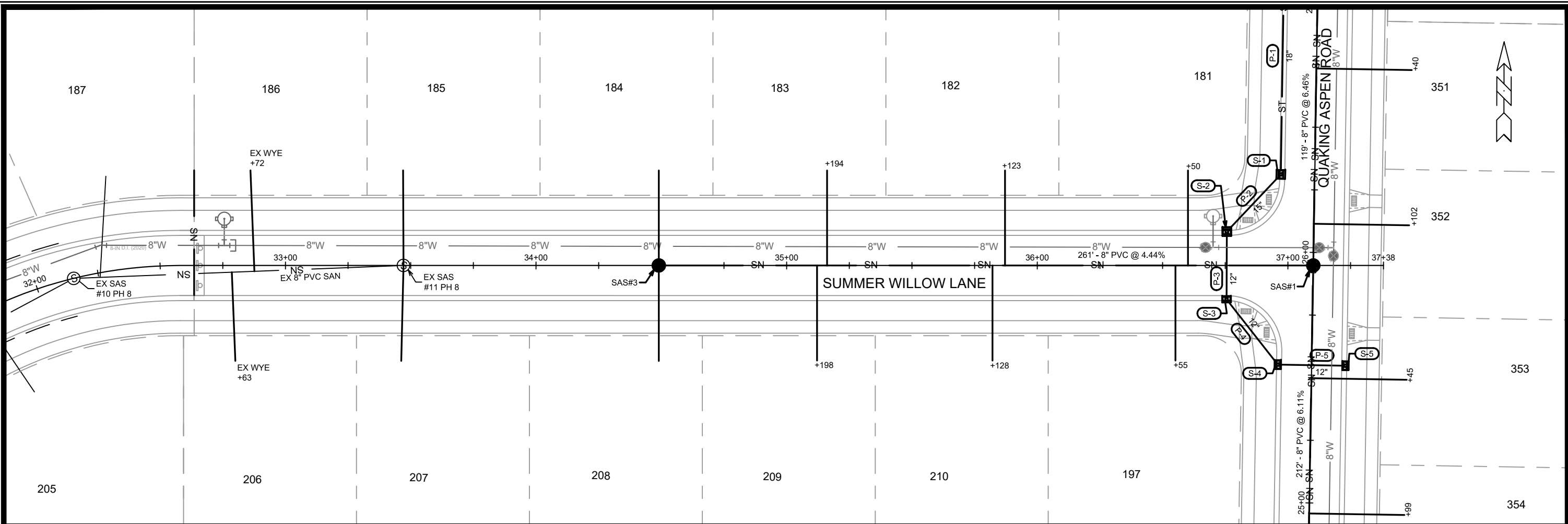


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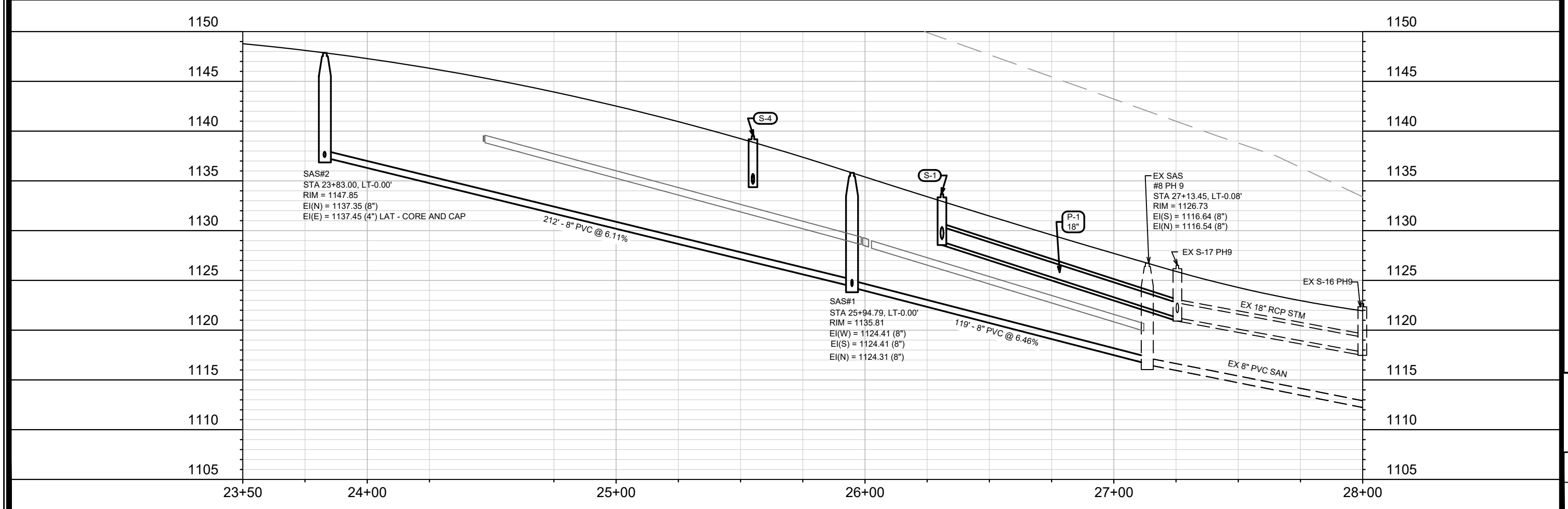
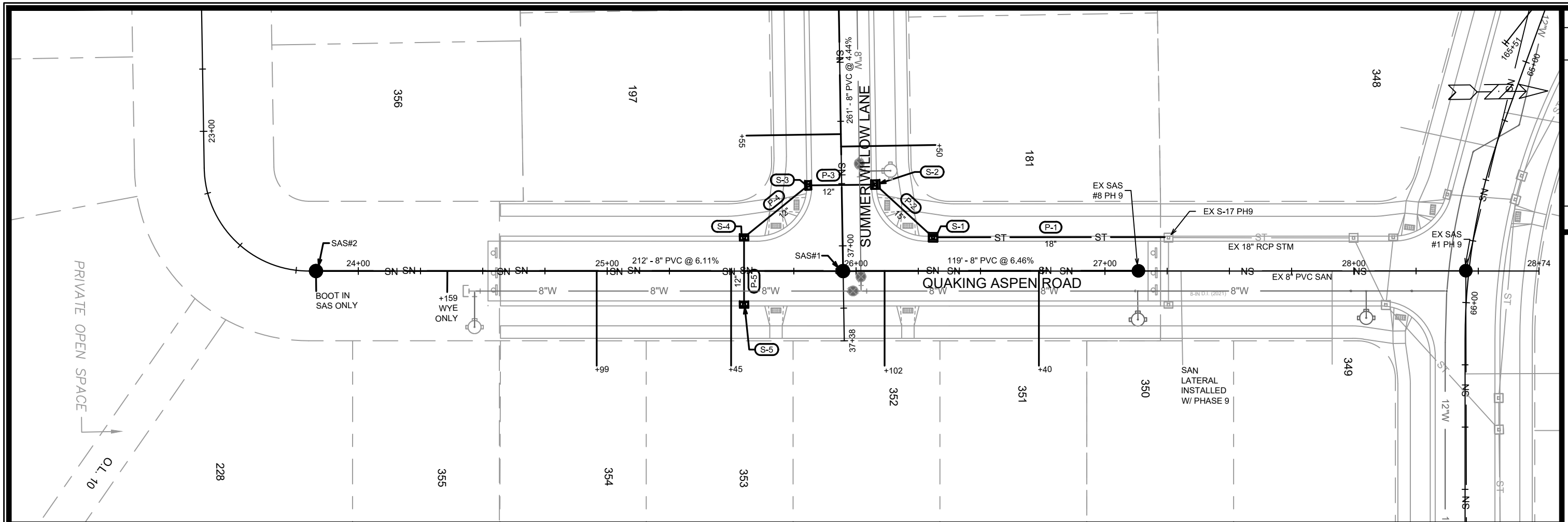
13290
MADISON, WI
8963
CONTRACT NO:

QUAKING ASPEN ROAD - STREET PLAN & PROFILE
1000 OAKS PHASE 10
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13290	MADISON, WI	8963	U-1
SUMMER WILLOW WAY - UTILITIES PLAN & PROFILE			
1000 OAKS PHASE 10			
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 MADISON, WI
 8963
 CONTRACT NO:

QUAKING ASPEN ROAD - UTILITIES PLAN & PROFILE
 1000 OAKS PHASE 10
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13290
 U-2

SANITARY SEWER SCHEDULE

1000 OAKS PHASE 10
PROJECT NO. 13290

SHEET NO.
U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
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QUAKING ASPEN ROAD

SAS#1	25+94.79	CL	1135.81	1124.31	11.50	
SAS#2	23+83.00	CL	1147.85	1137.35	10.50	

SUMMER WILLOW WAY

SAS#3	34+49.00	CL	1147.51	1136.01	11.50	
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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 #8 PH 9 SAS#1	SAS#1 SAS#2	1116.64	1124.31	119	6.46%	8"	SDR-35	-
		1124.41	1137.35	212	6.11%	8"	SDR-35	-

SAS#1	SAS#3	1124.41	1136.01	261	4.44%	8"	SDR-35	-
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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

FIRST ADD TO 1000 OAKS PH 10	SHEET NO.
PROJECT NO. 13290	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
QUAKING ASPEN ROAD							
S-1	26+31.00	LT-13.50	3X3 SAS	1133.68	1128.88	4.80	W/ R-3067-7004-V
S-4	25+55.00	LT-13.50	H INLET	1139.50	1134.70	4.80	W/ R-3067-7004-V
S-5	25+55.00	RT-13.50	H INLET	1139.02	1135.42	3.60	W/ R-3067-7004-V
SUMMER WILLOW WAY							
S-2	36+75.56	LT-13.50	3X3 SAS	1135.70	1131.70	4.00	LP; W/ R-3067-7004-VB; (1)
S-3	36+75.56	RT-13.50	H INLET	1137.38	1133.78	3.60	LP; W/ R-3067-7004-VB

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
P-1	EX	S-1	1121.24	1128.88	95	92	8.30%	18"	TYPE II	-
P-4	S-3	S-4	1133.78	1134.70	33	30	3.07%	12"	TYPE II	-
P-5	S-4	S-5	1134.70	1135.42	27	25	2.88%	12"	TYPE I	-
P-2	S-1	S-2	1129.13	1131.70	31	28	9.18%	15"	TYPE II	-
P-3	S-2	S-3	1131.95	1133.78	27	25	7.32%	12"	TYPE I	-

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.

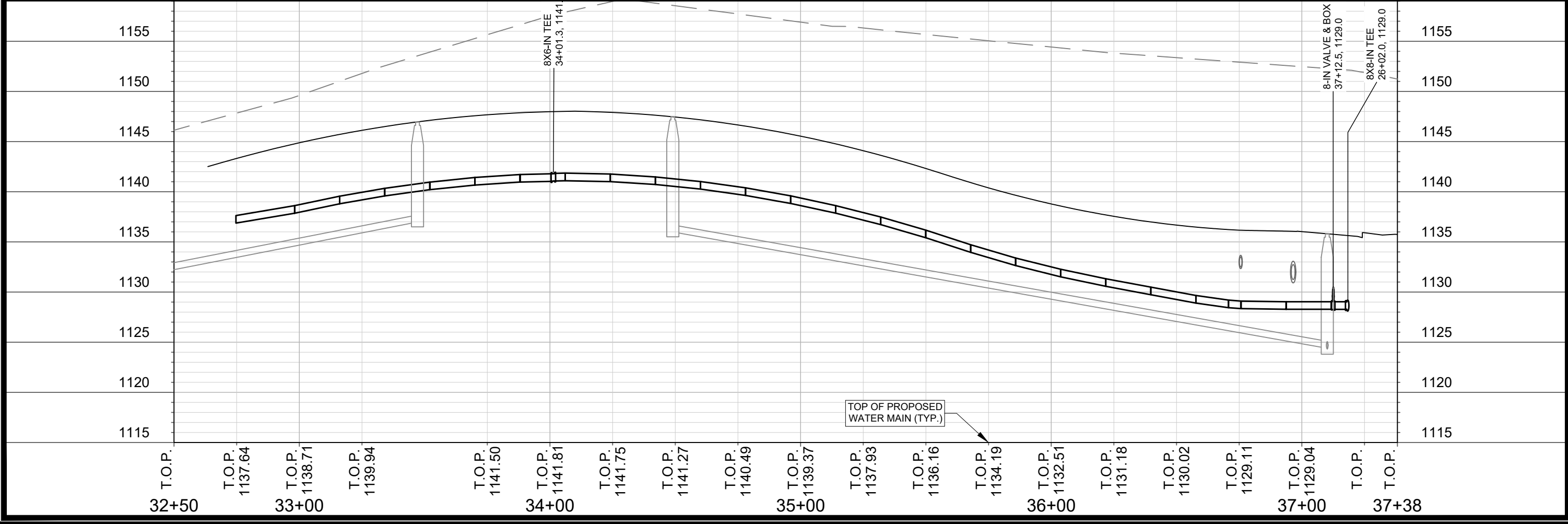
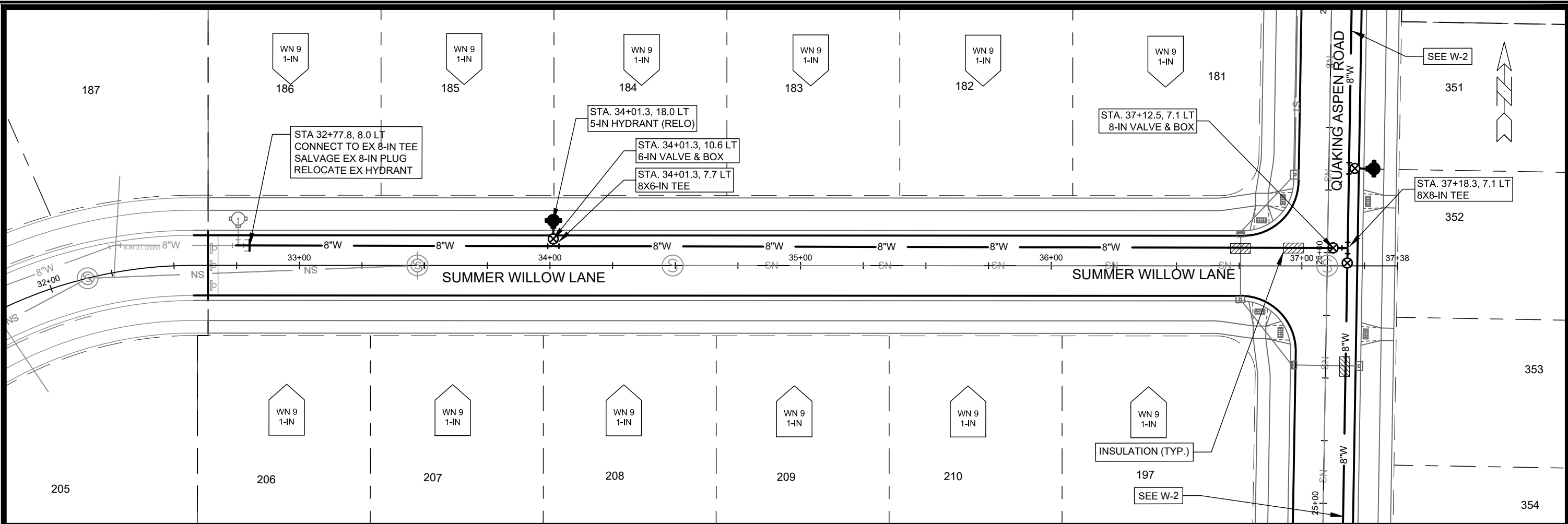
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- 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

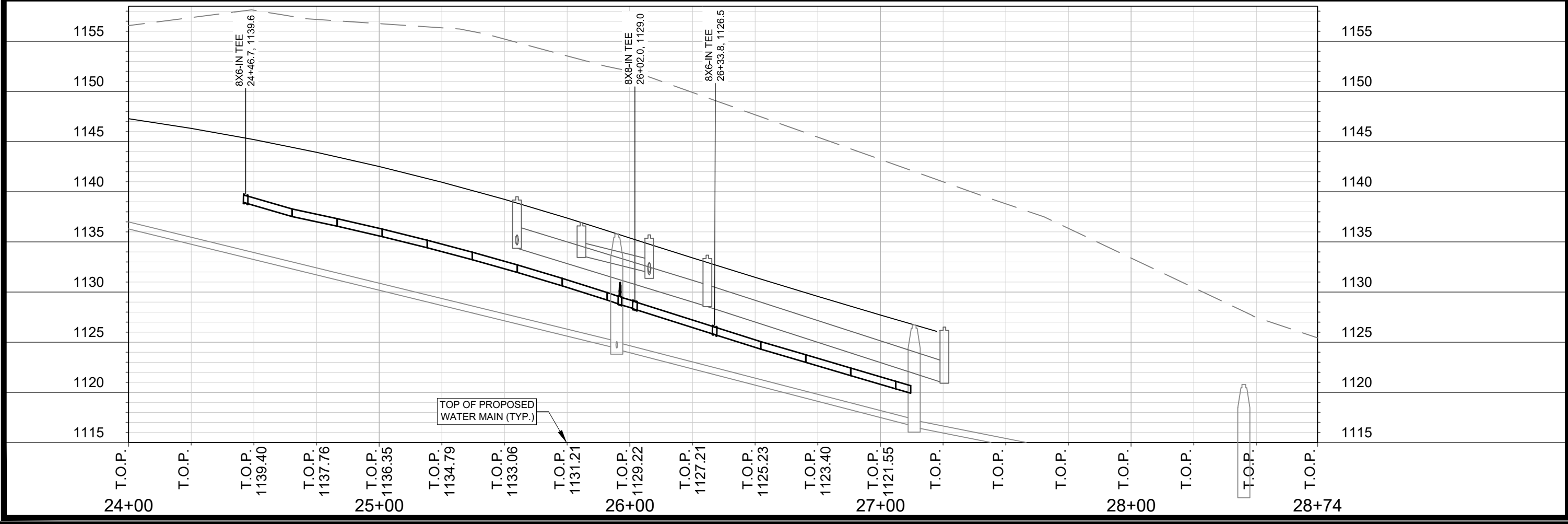
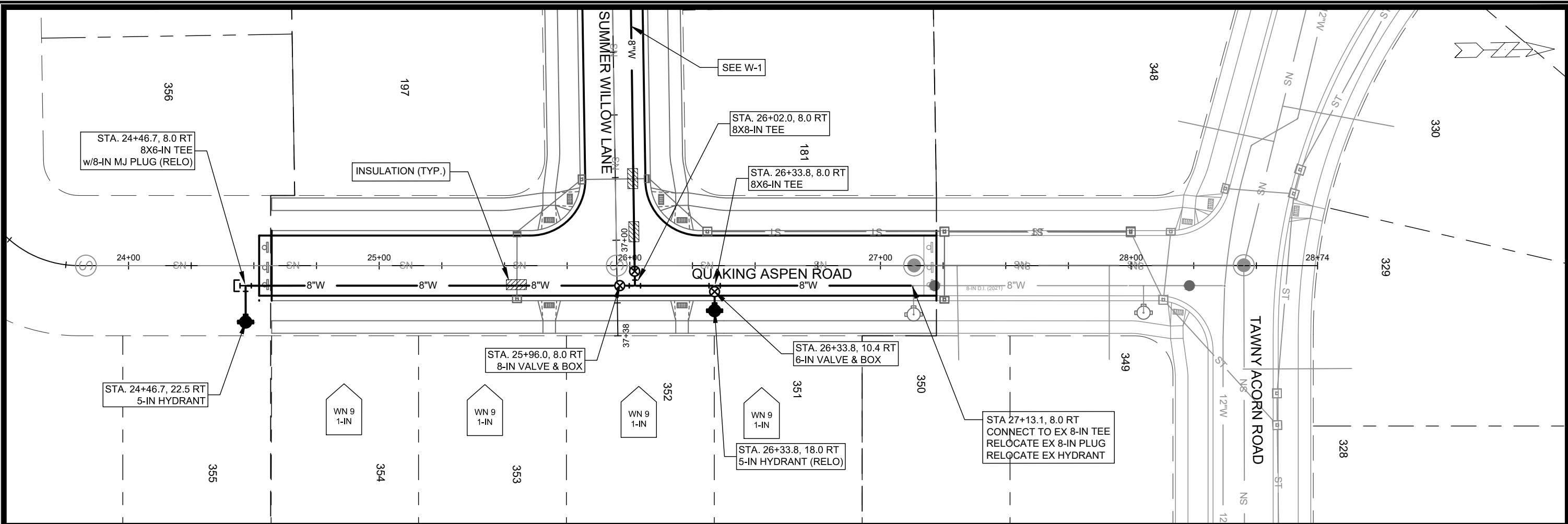


1000 OAKS PHASE 10
 - SUMMER WILLOW LANE WATER PLAN AND PROFILE
CITY OF MADISON, WISCONSIN

SCALE: 1" = 40'
 DESIGNED BY: VALUE
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 8/4/21

CONTRACT NO: 8963

13290
 W-1



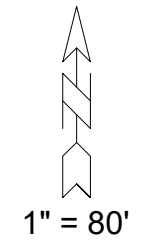
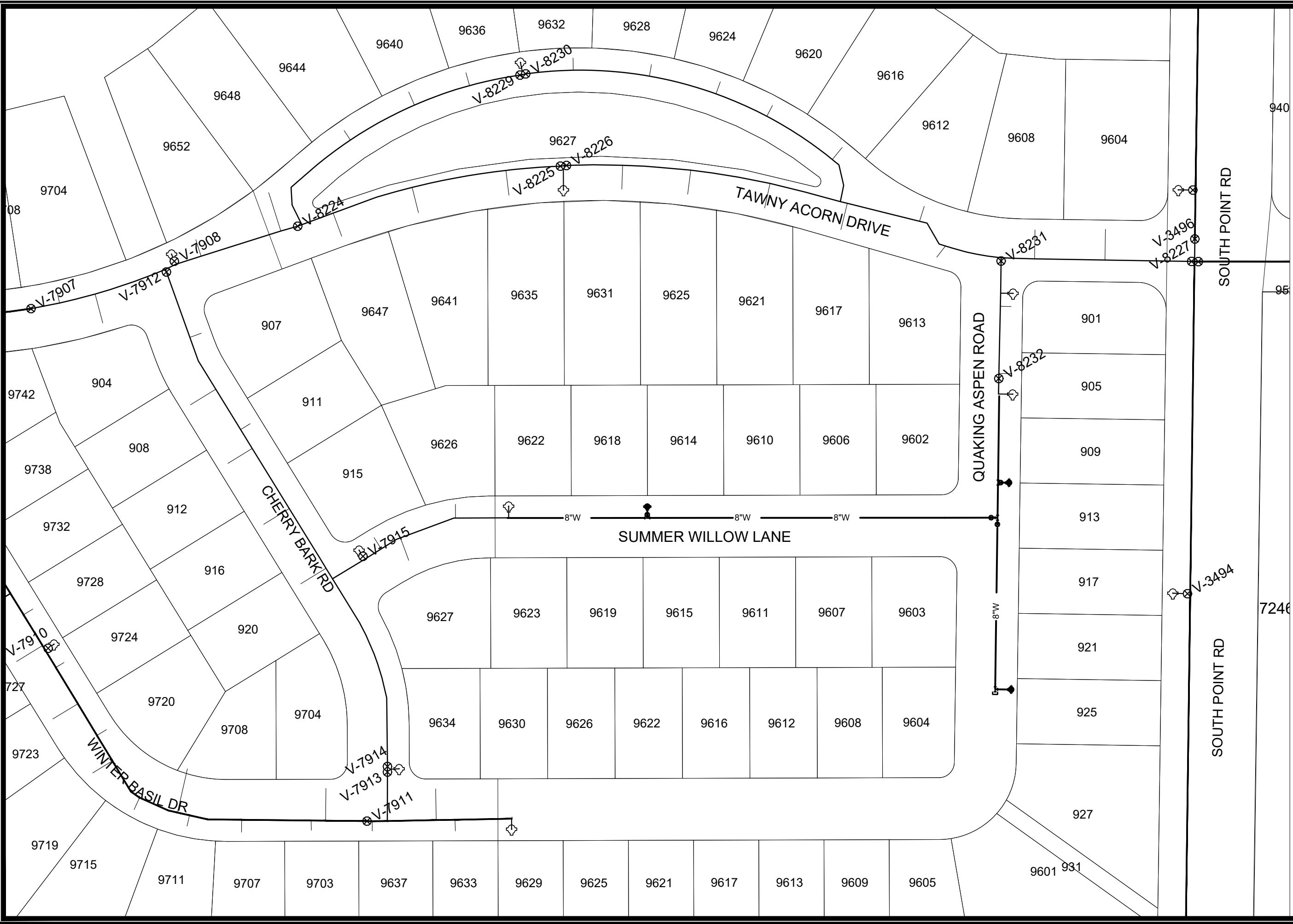
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 DESIGNED BY: VALUE
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 8/4/21

CONTRACT NO: 8963


1000 OAKS PHASE 10
 - QUAKING ASPEN ROAD WATER PLAN AND PROFILE
 CITY OF MADISON, WISCONSIN



13290
 W-2



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" = 80' DESIGNED BY: PEH MADISON WATER UTILITY 119 E OLIN AVE, MADISON, WI 53713 PRINTING DATE: 7/16/2021	
1000 OAKS PHASE 10 WATER IMPACT PLAN WATER	CONTRACT NO: 8963
CITY OF MADISON, WISCONSIN	
	13290 W-3



CONSTRUCTION NOTES:

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.
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.
4. 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.

- 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.

WATER UTILITY ULO SCHEDULE
N/A

ESTIMATE OF NEW MATERIALS*

DESCRIPTION	QUANTITY	UNIT
6-INCH PIPE	30	LNFT
8-INCH PIPE	700	LNFT
6-INCH WATER VALVE	2	EACH
8-INCH WATER VALVE	2	EACH
1-INCH SERVICE LATERALS	16	EACH
STYROFOAM INSULATION	3	EACH
8X6-IN TEE	3	EACH
8X8-IN TEE	1	EACH
5-IN HYDRANT	1	EACH

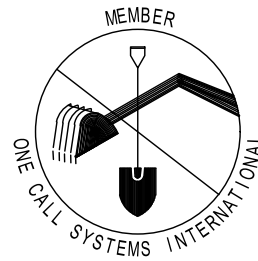
ESTIMATE OF REUSED/SALVAGED MATERIALS*

DESCRIPTION	QUANTITY	TYPE
5-IN HYDRANT	2	REUSE
12X8-IN TEE	1	SALVAGE
8-IN MJ PLUG	1	REUSE
8-IN MJ PLUG	1	SALVAGE
8-IN WATER VALVE	1	SALVAGE

* ESTIMATES OF MATERIALS ARE 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.

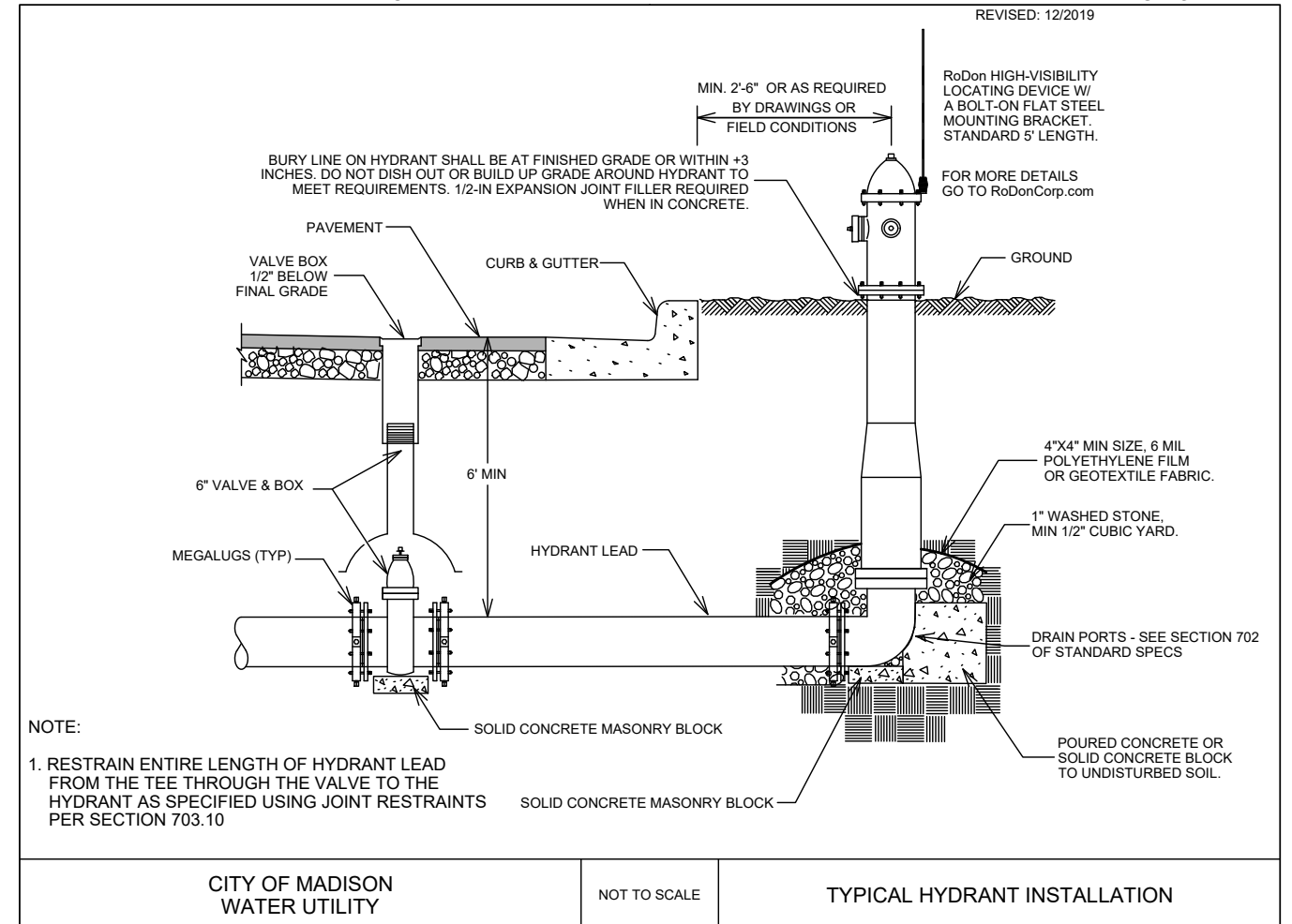


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2019



CITY OF MADISON WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

SCALE: N/A
DESIGNED BY: PEH
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 8/4/21

CONTRACT NO: 8963

1000 OAKS PHASE 10
WATER MATERIALS AND DETAILS
CITY OF MADISON, WISCONSIN



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