

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

FIRST ADDITION TO 1000 OAKS: PHASE 9

PUBLIC IMPROVEMENT PROJECT APPROVED

AUGUST 4, 2020

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Greg Fries Mar 4, 2021
City Engineer Date

INDEX OF SHEETS

* SHEET NO. D1-D4	DETAILS	< ELECTRICAL PLAN (REV JPS 2021 04-16)
* SHEET NO. M1	PAVEMENT MARKING PLAN	< SHEET NO. E1
* SHEET NO. P1-P8	STREET PLAN & PROFILES	
SHEET NO. U1-U6	UTILITY PLAN & PROFILES	
* SHEET NO. U7	UTILITY PLAN & PROFILES: SOUTH POINT RD	
SHEET NO. USAN	SANITARY SEWER SCHEDULE	
SHEET NO. USTM	STORM SEWER SCHEDULE	
SHEET NO. W1-W5	WATER PLAN & PROFILES	
SHEET NO. W6	WATER IMPACT PLAN	
SHEET NO. W7	WATER ESTIMATES OF MATERIALS	
* SHEET NO. X1-X8	CROSS SECTIONS: TAWNY ACORN DR	
* SHEET NO. X9-X14	CROSS SECTIONS: TAWNY ACORN DR UPPER	
* SHEET NO. X15-X16	CROSS SECTIONS: QUAKING ASPEN DR	
* SHEET NO. X17-X21	CROSS SECTIONS: SOUTH POINT RD	
* SHEET NO. MN1	MAINTENANCE PLAN	

CITY PROJECT NO. 13208
CONTRACT NO. 8944

ELECTRICAL
DESIGNED BY:

SEE
INDIVIDUAL
SHEETS

SANITARY SEWER
DESIGNED BY:

Mar 4, 2021

PAVEMENT MARKINGS &
STREET GEOMETRICS
DESIGNED BY:

Mar 4, 2021

STORM SEWER
DESIGNED BY:

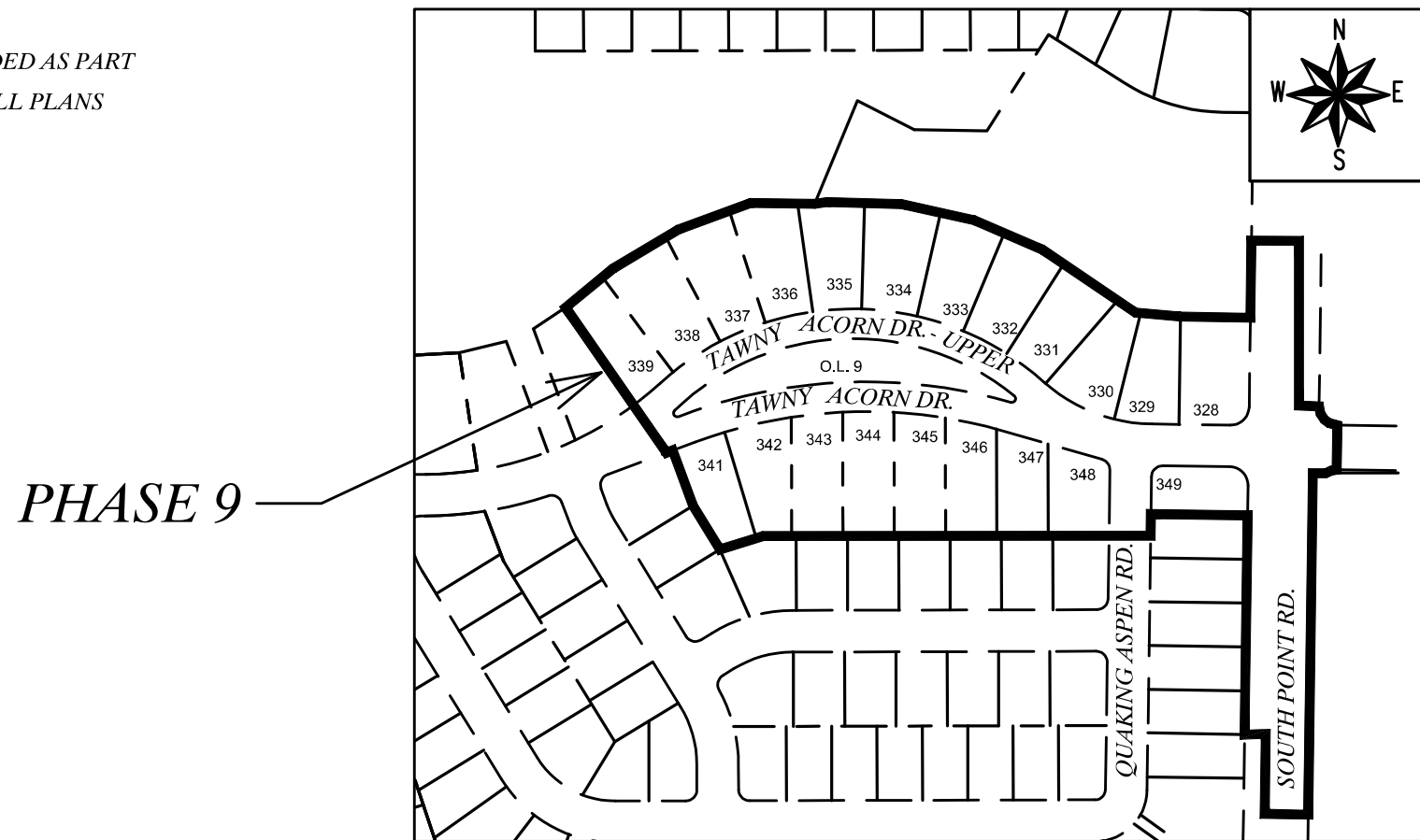
Mar 4, 2021

STREET GRADES
DESIGNED BY:

Mar 4, 2021

WATER
DESIGNED BY:

Mar 4, 2021



PHASE 9

* = NEW SHEET ADDED AS PART
OF REVISION TO FULL PLANS

PLOT SCALE: 1" = 1'
PLOT NAME: ---
REV. DATE: 3/3/2021 5:07 AM
ORIGINATOR: CITY_OF_MADISON




REV 02/23/2021 JPS
 NEW SHEET ADDED
 FOR STREET DESIGN

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 TAWNY ACORN DRIVE AND QUAKING ASPEN DRIVE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE SOUTH POINT ROAD RIGHT-OF-WAY SHALL BE TYPE C 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

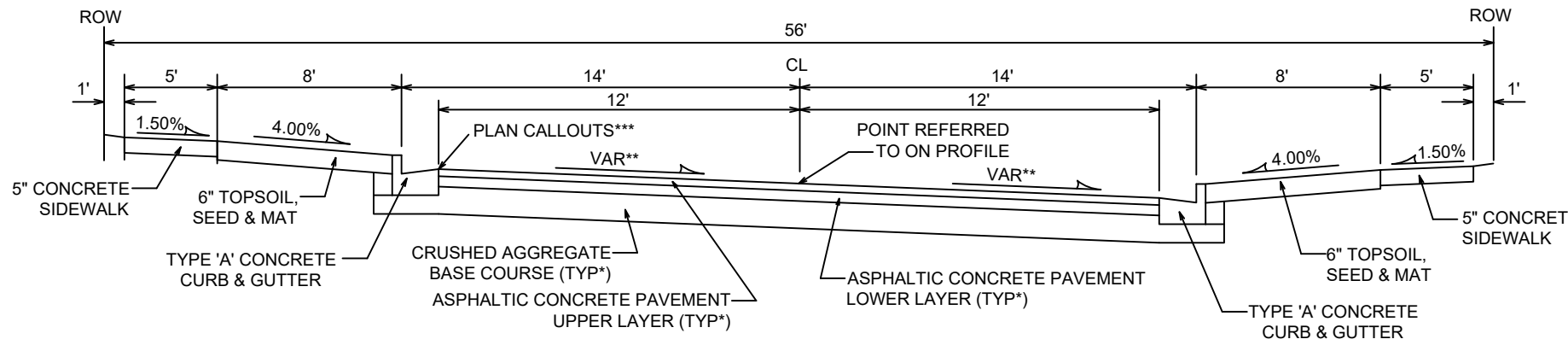
DATE	BY
3/2/2021 4:52 AM	JPS
REVISION	Scale: #####
MARK	13208
Designed By: ##	

13208
 MADISON, WI
 8944
 CONTRACT NO:

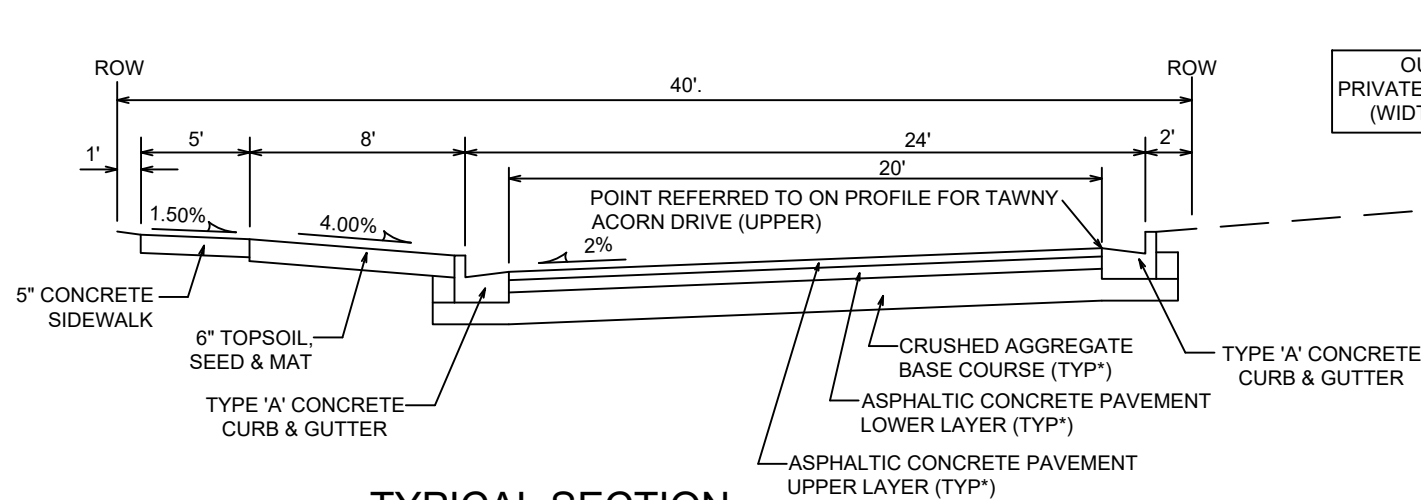
GENERAL NOTES
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Details.dwg



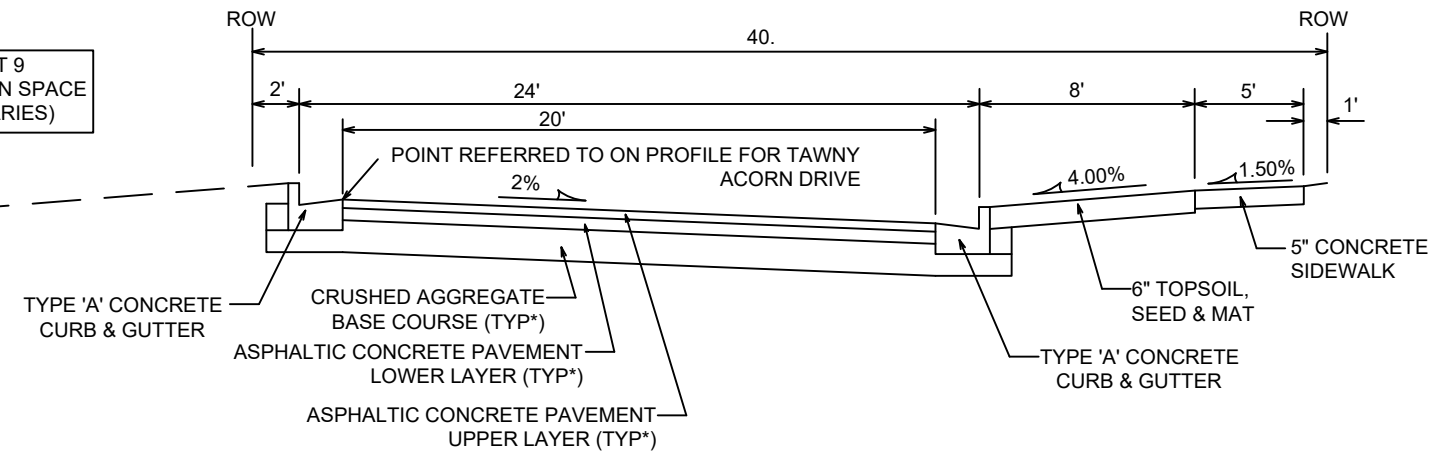
REV 02/23/2021 JPS
NEW SHEET ADDED
FOR STREET DESIGN



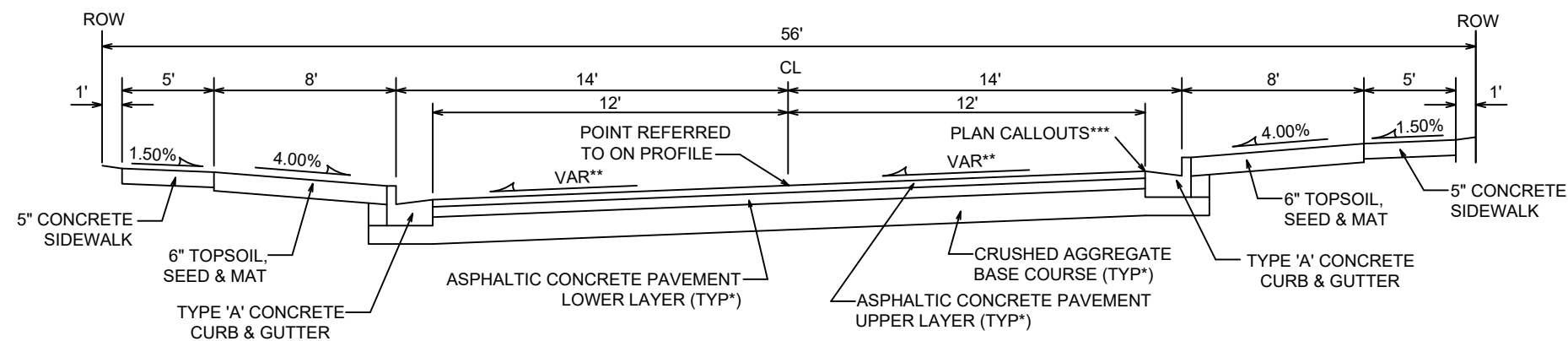
TYPICAL SECTION
QUAKING ASPEN RD.
NOT TO SCALE



TYPICAL SECTION
TAWNY ACORN DRIVE (UPPER)
(STA 159+43 TO 165+20)
NOT TO SCALE



TYPICAL SECTION
TAWNY ACORN DRIVE
(STA 59+40 TO 65+50)
NOT TO SCALE



TYPICAL SECTION
TAWNY ACORN DRIVE
(STA 65+50 TO 67+64)
NOT TO SCALE

NOTES:

* SOUTH POINT ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †

** SEE PLAN AND CROSS SECTIONS FOR DETAILS AND DIMENSIONS

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 9.
SEE CONTRACT NO. 8945

CITY OF MADISON MINIMUM PAVEMENT DESIGN †

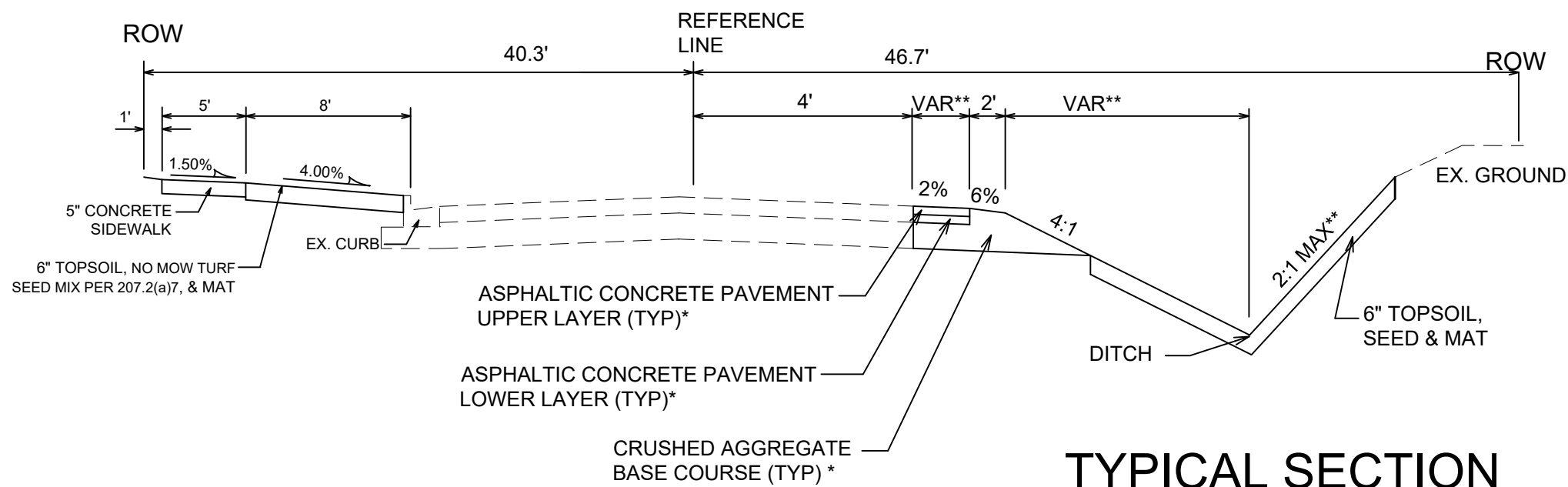
TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT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

13208
MADISON, WI
8944
CONTRACT NO:
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Details.dwg



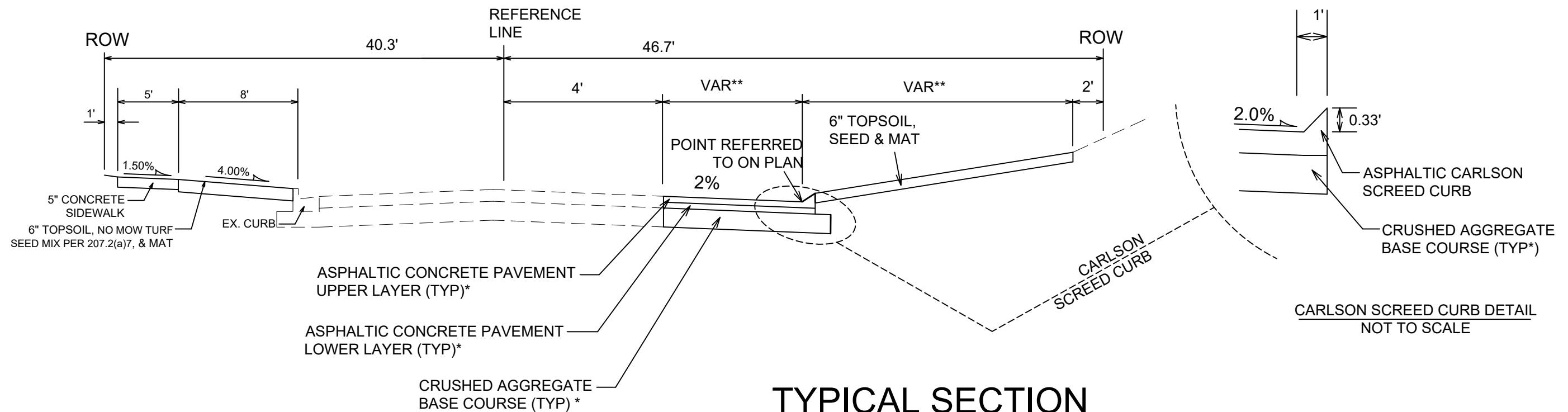
13208
D-2

REV 02/23/2021 JPS
NEW SHEET ADDED
FOR STREET DESIGN



TYPICAL SECTION

SOUTH POINT RD.
(STA 93+11 TO STA 94+88)
NOT TO SCALE



TYPICAL SECTION

SOUTH POINT RD.
(STA 94+88 TO STA 95+74)
NOT TO SCALE

CITY OF MADISON MINIMUM PAVEMENT DESIGN †

NOTES:

* SOUTH POINT ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †

** SEE PLAN AND CROSS SECTIONS FOR DETAILS AND DIMENSIONS

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 9.
SEE CONTRACT NO. 8945

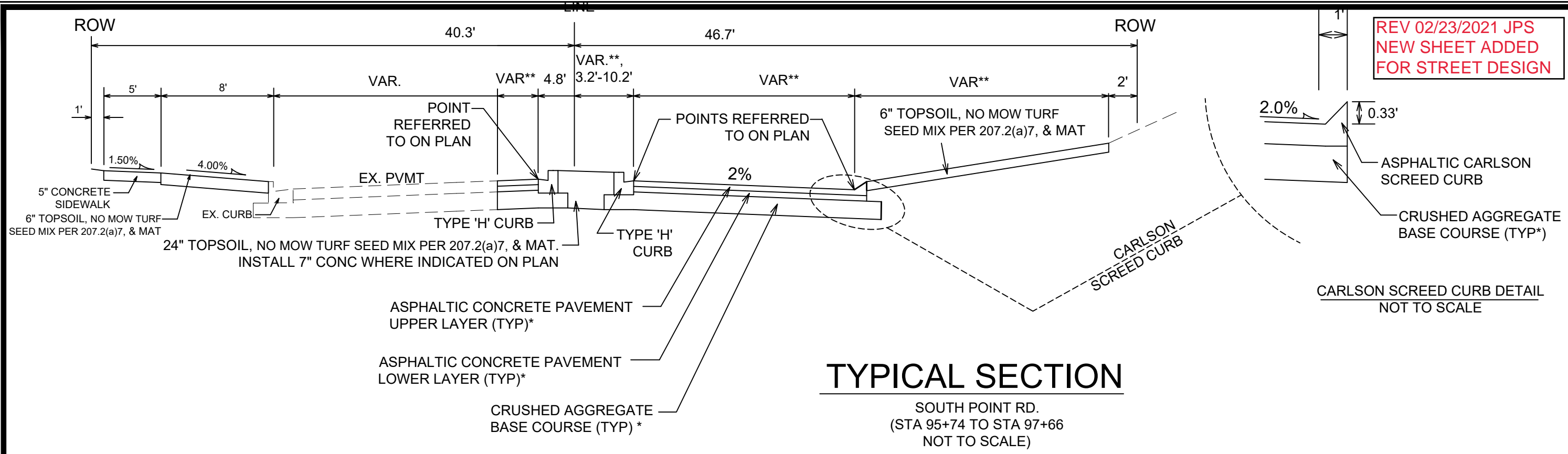
TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT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

13208
MADISON, WI
CONTRACT NO: 8944
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Details.dwg



13208
D-3

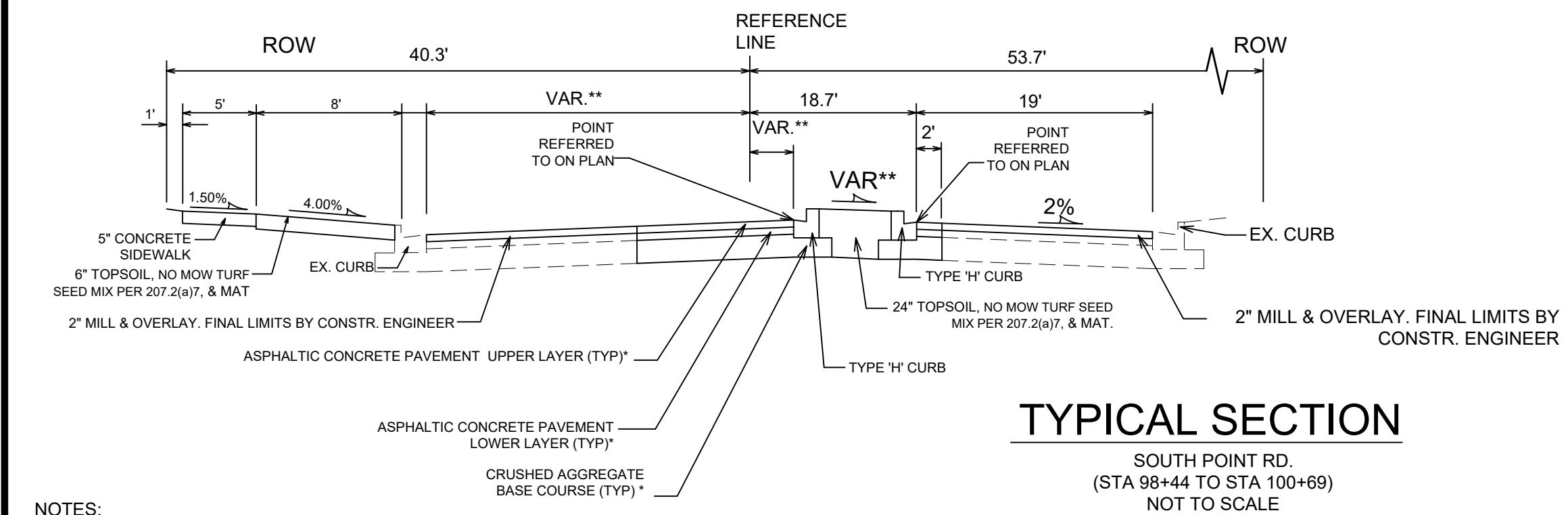
REV 02/23/2021 JPS
NEW SHEET ADDED
FOR STREET DESIGN



TYPICAL SECTION

SOUTH POINT RD.
(STA 95+74 TO STA 97+66
NOT TO SCALE)

CARLSON SCREED CURB
DETAIL
NOT TO SCALE



TYPICAL SECTION

SOUTH POINT RD.
(STA 98+44 TO STA 100+69)
NOT TO SCALE

NOTES:

* SOUTH POINT ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †

** SEE PLAN AND CROSS SECTIONS FOR DETAILS AND DIMENSIONS

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 9.
SEE CONTRACT NO. 8945

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"

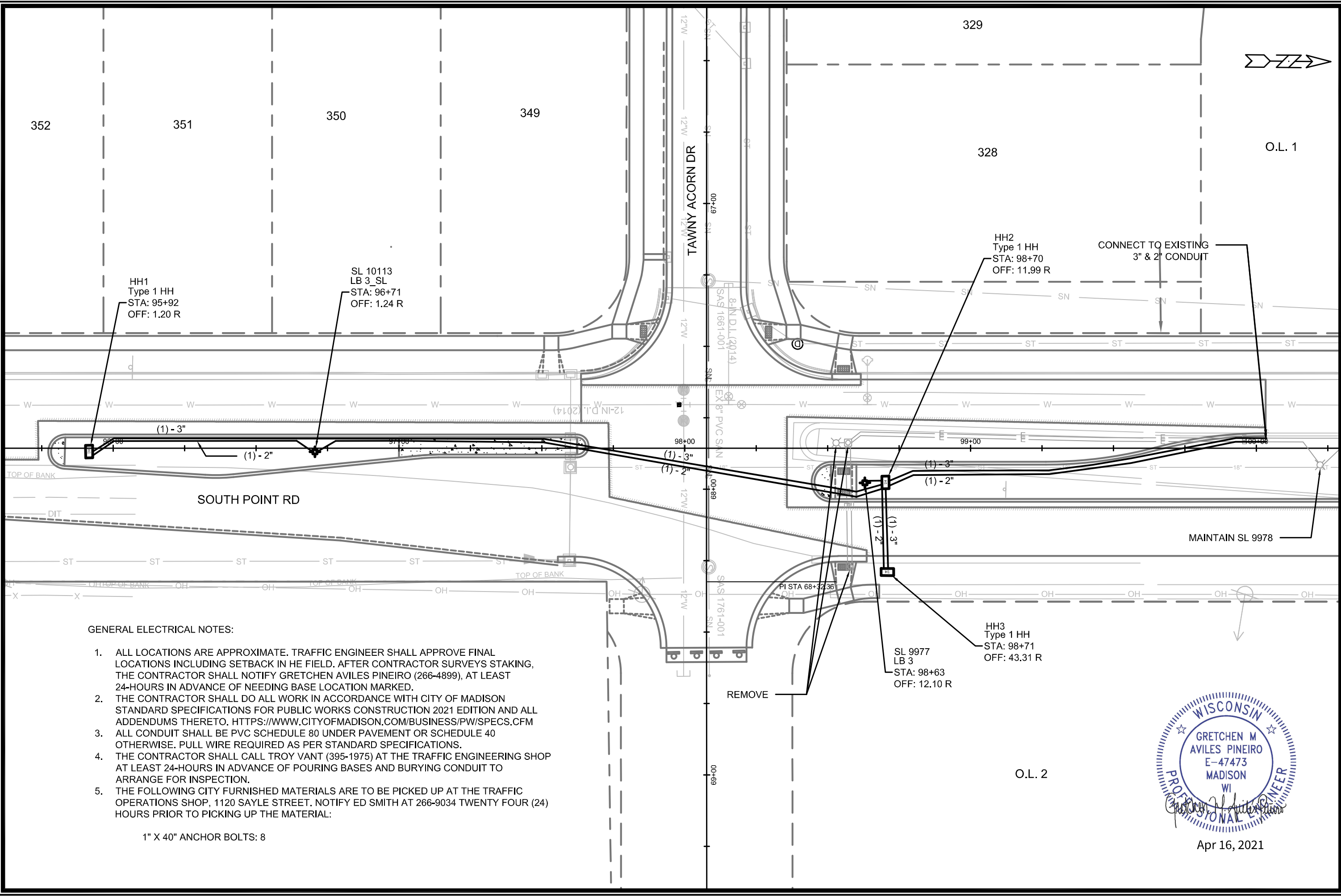
DATE	BY
REVISION	Scale: #####
MARK	13208

13208
MADISON, WI
8944
CONTRACT NO:

TYPICAL SECTION
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Details.dwg



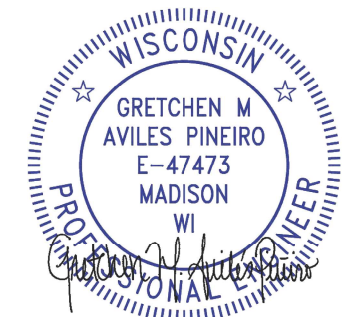
13208
D-4



GENERAL ELECTRICAL NOTES:

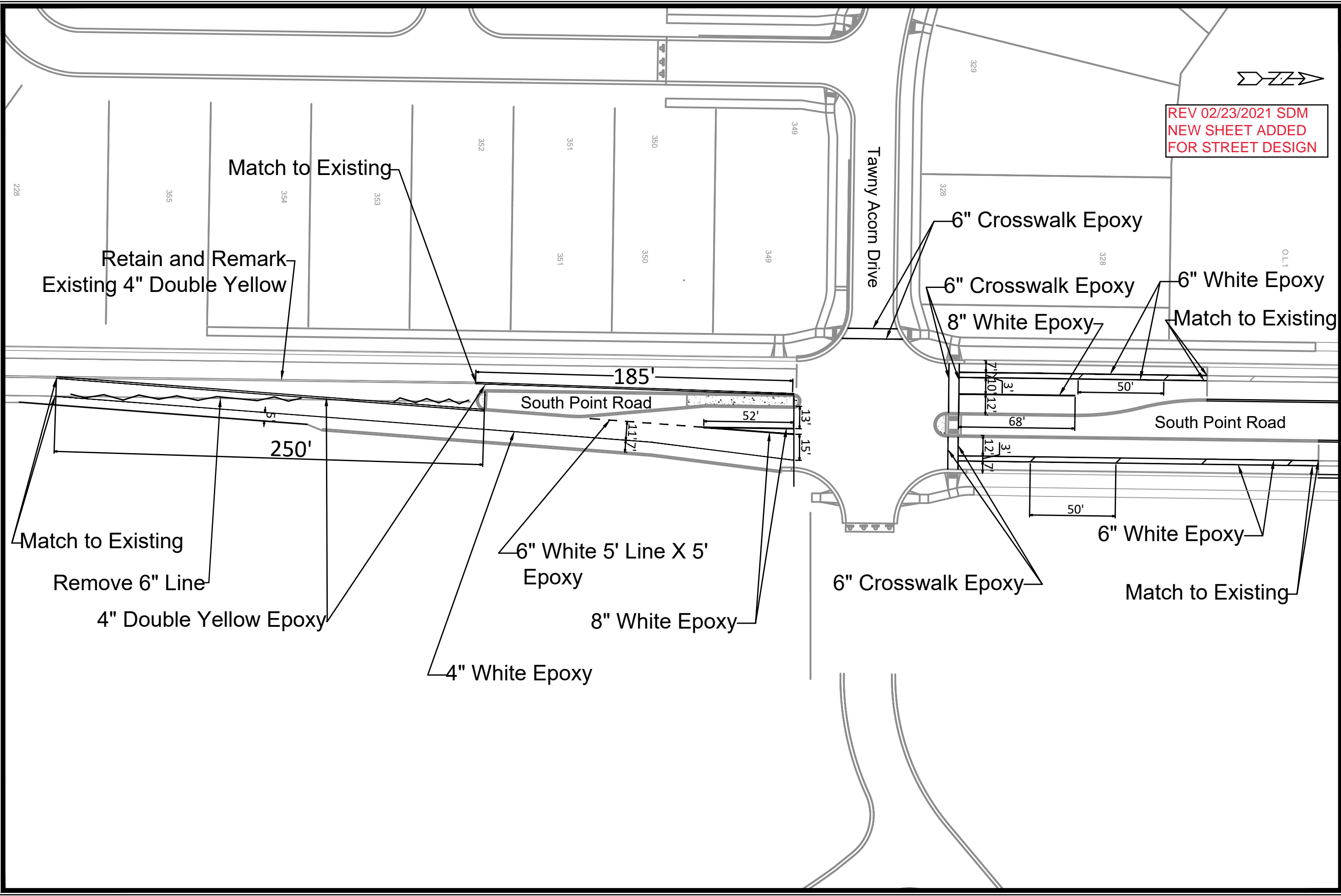
1. ALL LOCATIONS ARE APPROXIMATE. TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS INCLUDING SETBACK IN HE FIELD. AFTER CONTRACTOR SURVEYS STAKING, THE CONTRACTOR SHALL NOTIFY GRETCHEN AVILES PINEIRO (266-4899), AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATION MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2021 EDITION AND ALL ADDENDUMS THERETO. [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/BUSINESS/PW/SPECS.CFM)
3. ALL CONDUIT SHALL BE PVC SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
4. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES AND BURYING CONDUIT TO ARRANGE FOR INSPECTION.
5. THE FOLLOWING CITY FURNISHED MATERIALS ARE TO BE PICKED UP AT THE TRAFFIC OPERATIONS SHOP, 1120 SAYLE STREET. NOTIFY ED SMITH AT 266-9034 TWENTY FOUR (24) HOURS PRIOR TO PICKING UP THE MATERIAL:

1" X 40" ANCHOR BOLTS: 8



Apr 16, 2021

13208	MADISON, WI	8944	CONTRACT NO:	E-1
ELECTRICAL PLAN - SOUTH POINT RD				
1000 OAKS - PHASE 9				
M:\DESIGN\Projects\13208\CAD\Traffic\13208TE-Electrical2021.dwg				
13208				
E-1				



REV 02/23/2021 SDM
 NEW SHEET ADDED
 FOR STREET DESIGN

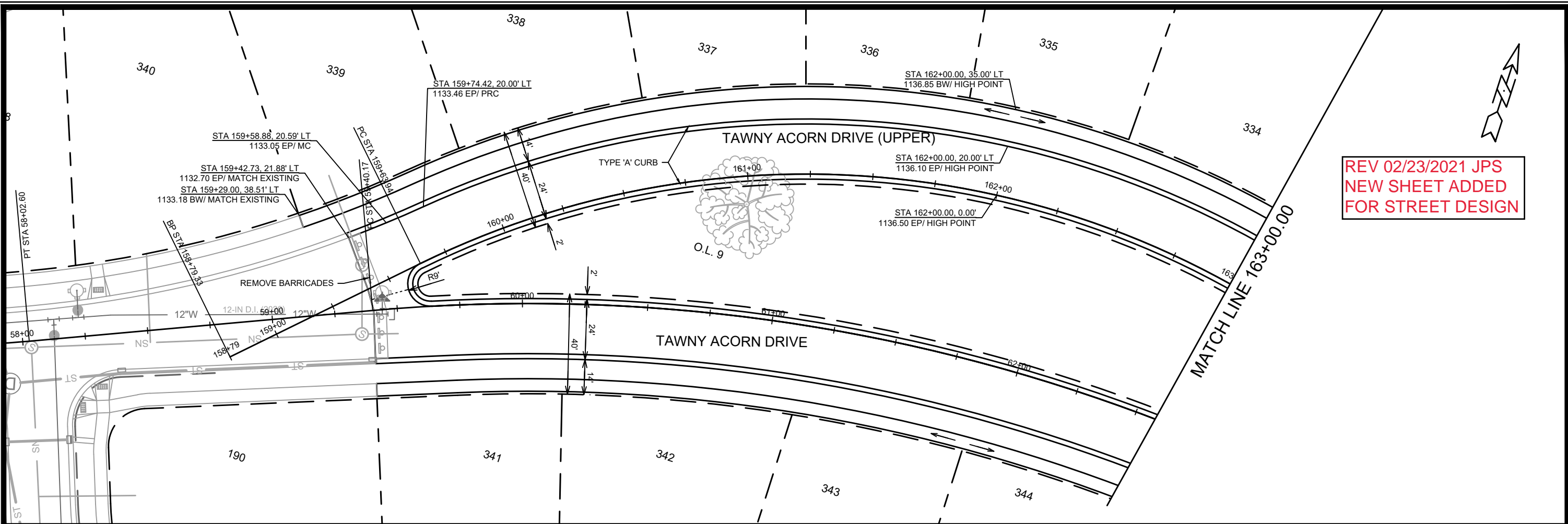
MARK	REVISION	DATE	BY
13208	Designed By: SDM	Date: 3/27/2021 6:58 PM	Scale: 1:50
M-1			

13208
 MADISON, WI
 CONTRACT NO: 8944

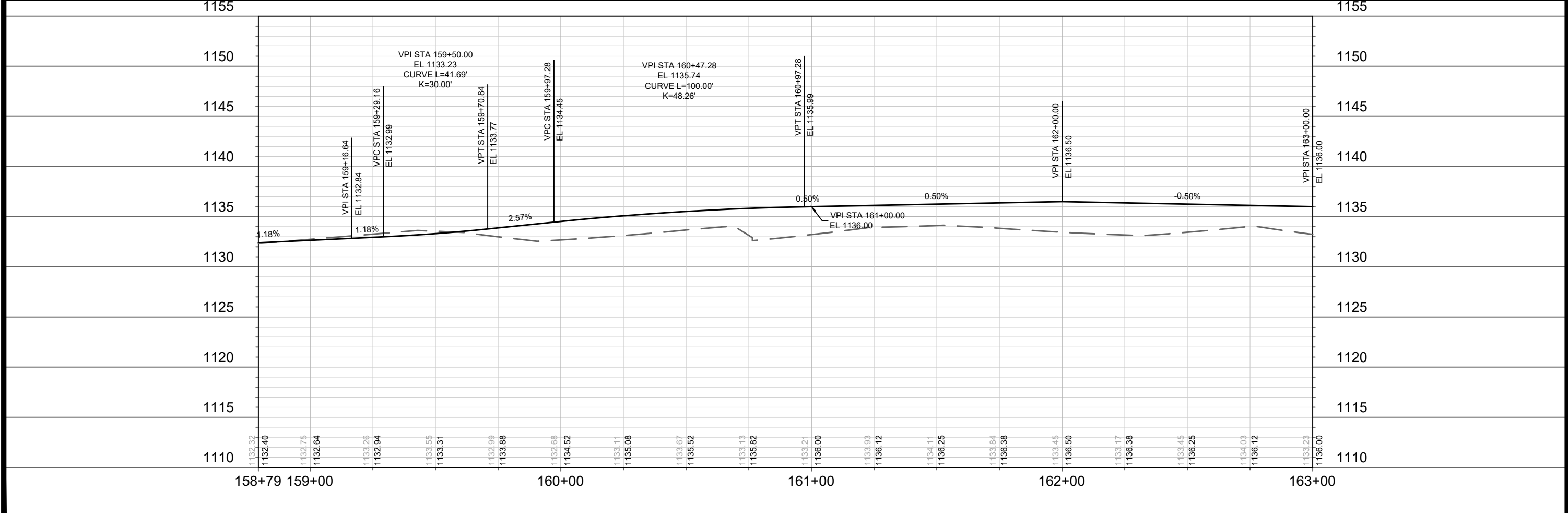
MARKING PLAN
 TAWNY ACORN - SOUTH POINT
 M:\DESIGN\Projects\13208\CAD\Traffic\13208TE-PavementMarking.dwg



13208
 M-1



REV 02/23/2021 JPS
 NEW SHEET ADDED
 FOR STREET DESIGN



DATE	BY
REVISION	DATE
MARK	DESIGNED BY: JPS
13208	DATE: 3/27/2021 6:53 PM
	SCALE: 1" = 40'
	P-1

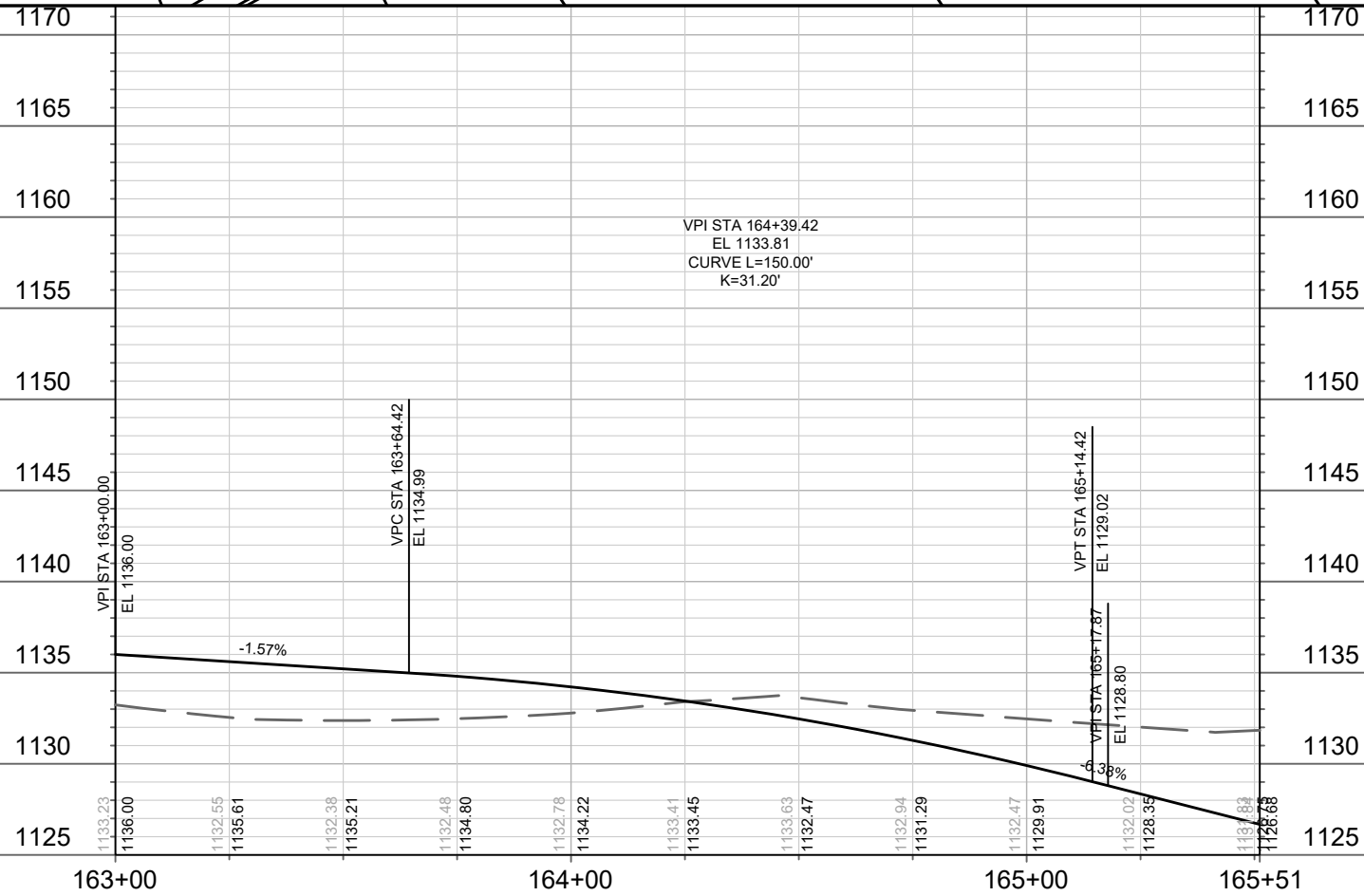
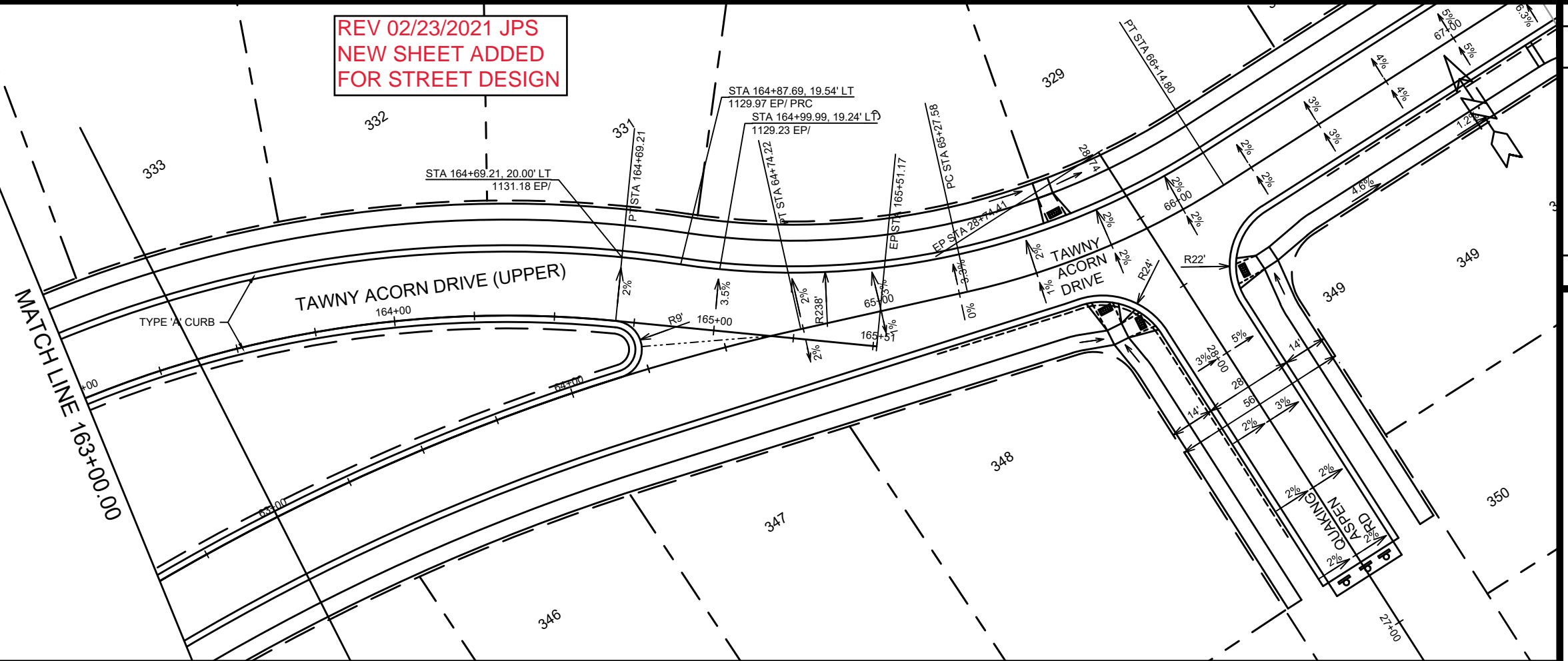
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DRIVE UPPER - PLAN & PROFILE
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-PnP.dwg



13208
 P-1

REV 02/23/2021 JPS
NEW SHEET ADDED
FOR STREET DESIGN



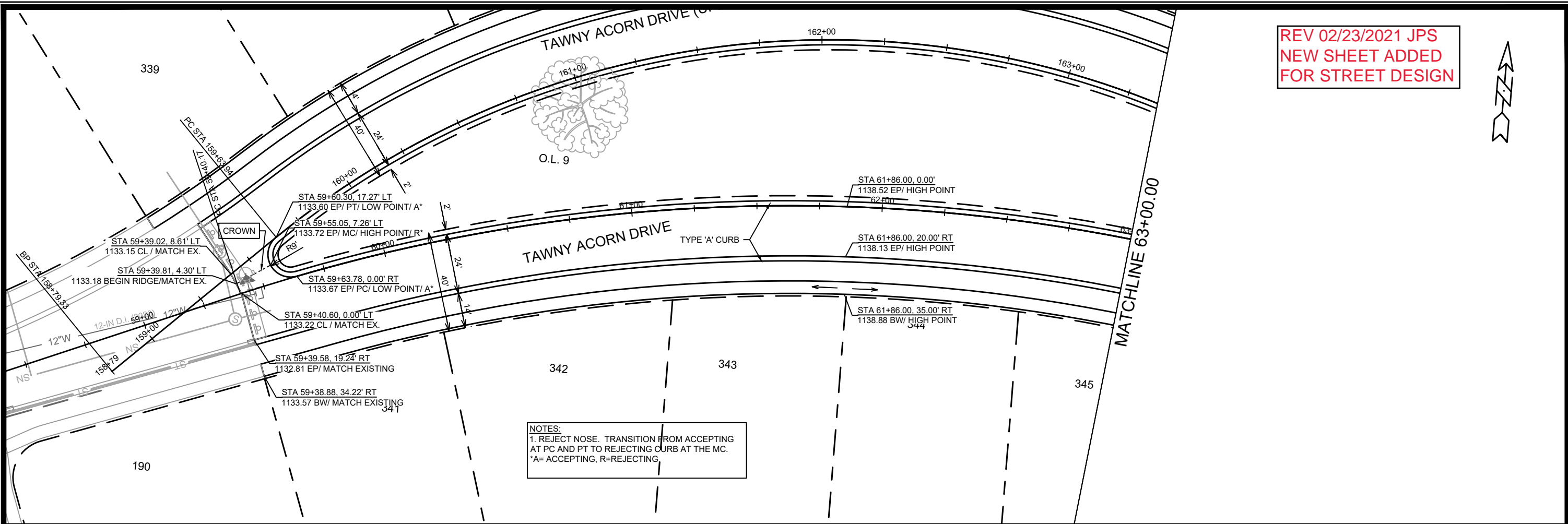
MARK	REVISION	DATE	BY

13208
MADISON, WI
8944
CONTRACT NO:

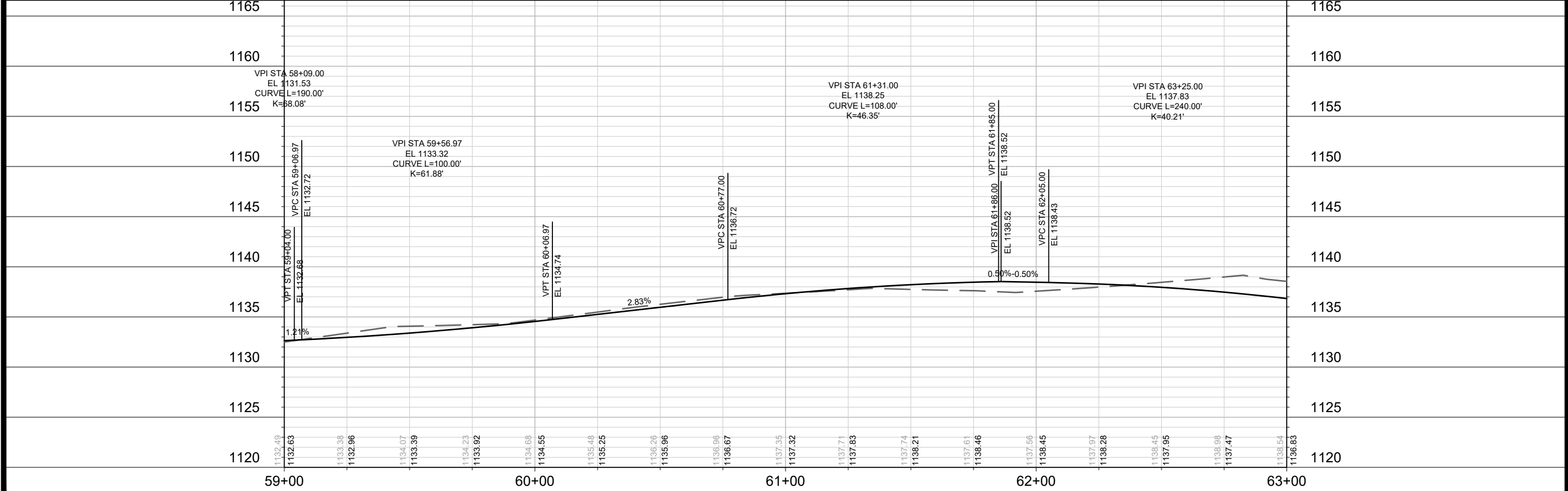
TAWNY ACORN DRIVE UPPER - PLAN & PROFILE
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-PrP.dwg



REV 02/23/2021 JPS
 NEW SHEET ADDED
 FOR STREET DESIGN



NOTES:
 1. REJECT NOSE. TRANSITION FROM ACCEPTING
 AT PC AND PT TO REJECTING CURB AT THE MC.
 *A= ACCEPTING, R=REJECTING.

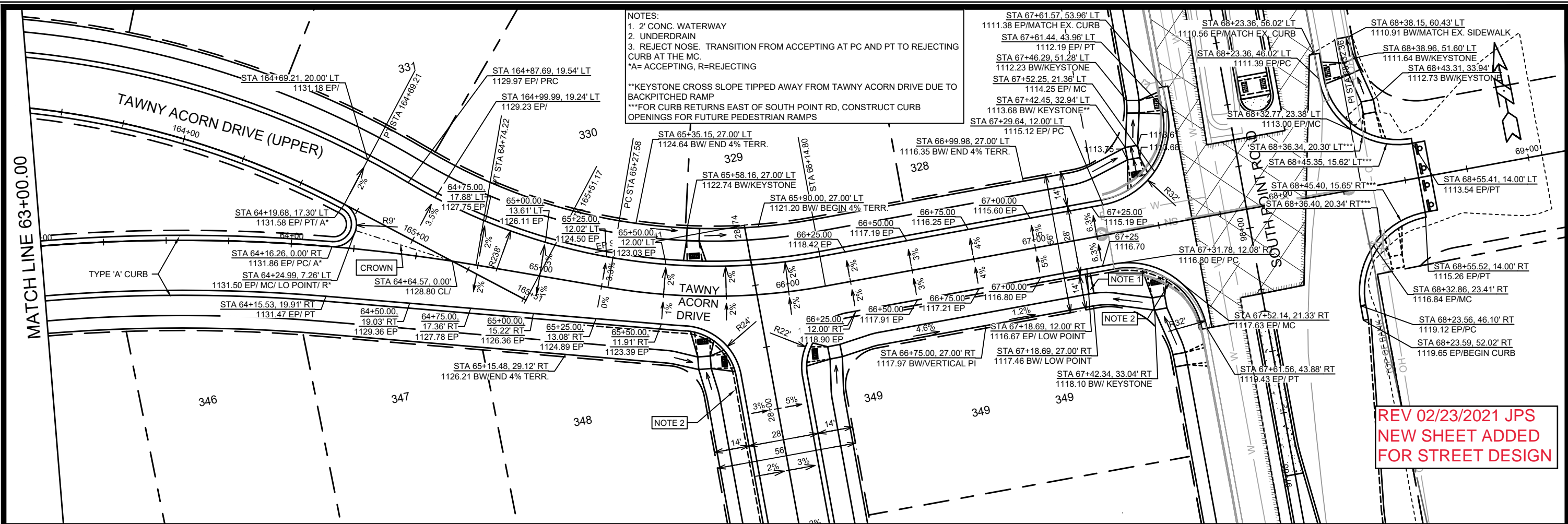


DATE	BY
REVISION	
DESIGNED BY: ###	Scale: 1" = 40'
DATE: 3/27/2021 6:53 PM	
PROJECT NO: 13208	
CONTRACT NO: 8944	
SHEET NO: P-3	

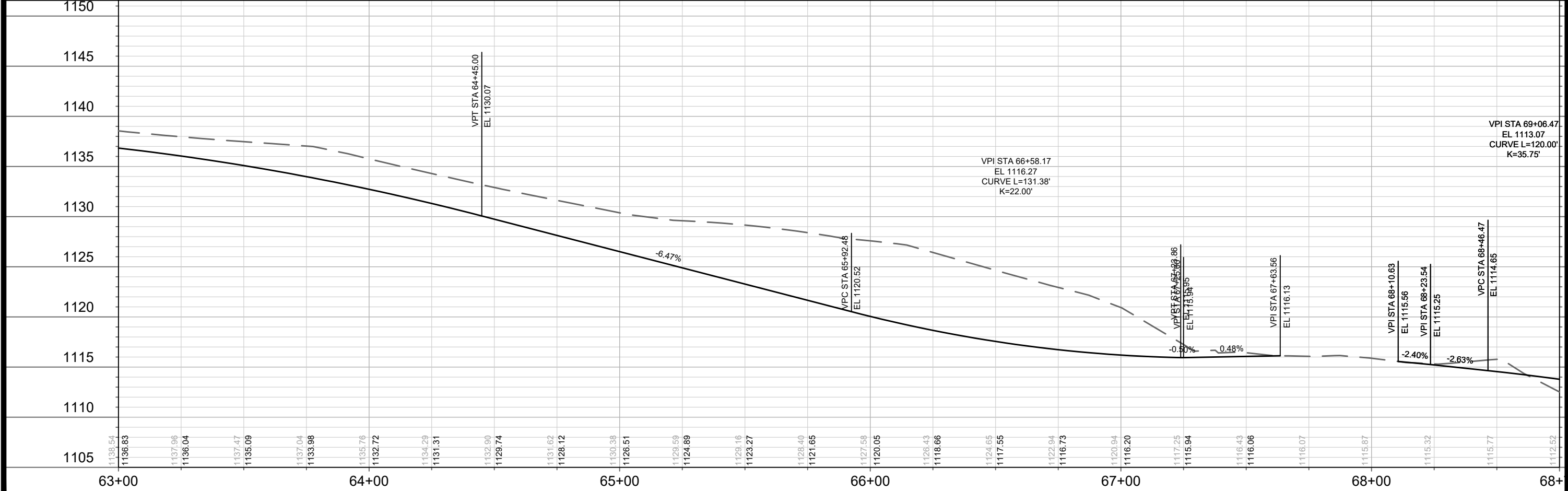
13208
 MADISON, WI
 TAWNY ACORN DRIVE PLAN & PROFILE
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-PnP.dwg



13208
 P-3



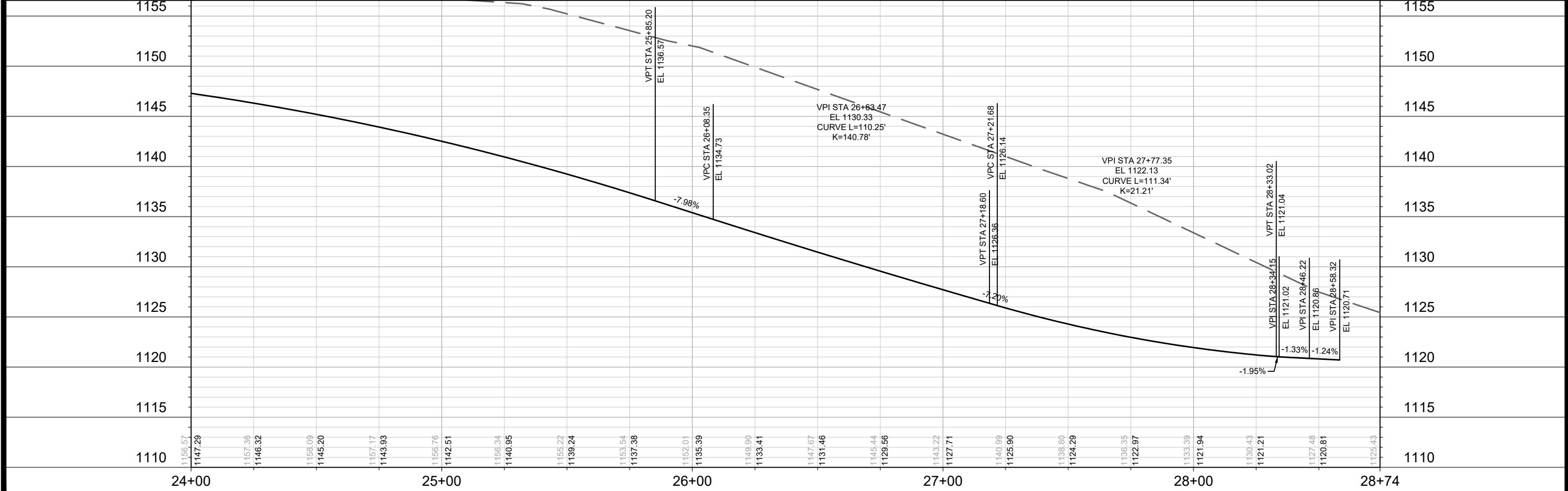
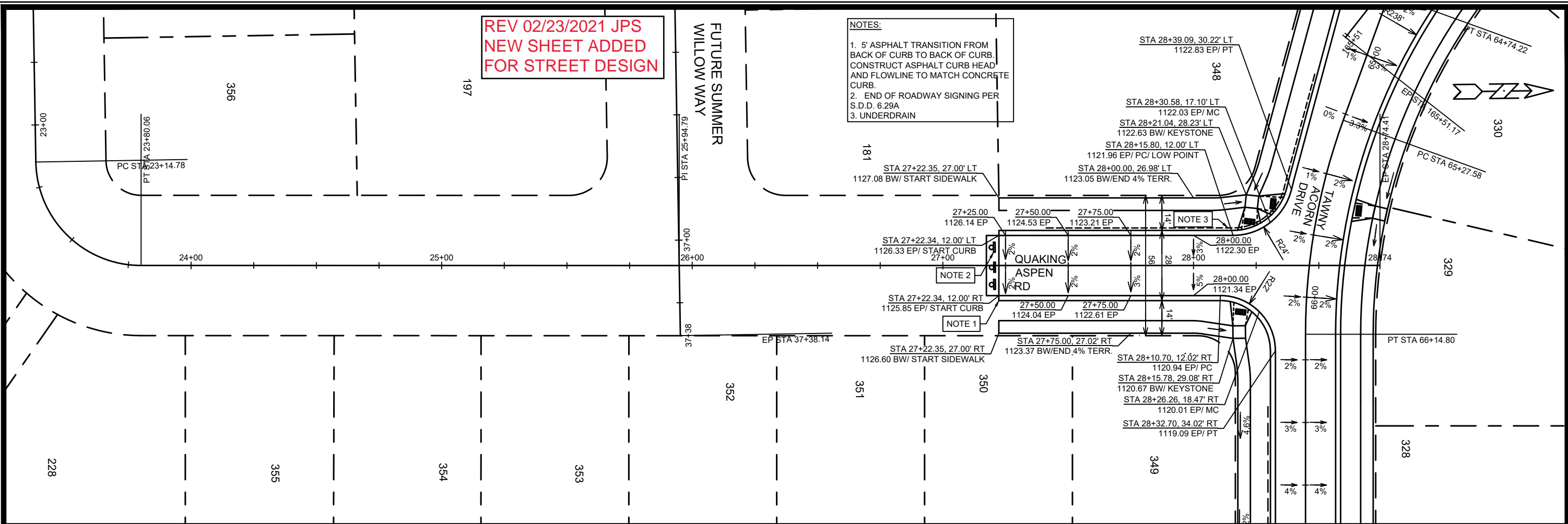
**REV 02/23/2021 JPS
 NEW SHEET ADDED
 FOR STREET DESIGN**



DATE	BY	P-4
REVISION	DATE	BY
MARK	DESIGNED BY: JPS	13208
CONTRACT NO:	8944	13208
TAWNY ACORN DRIVE PLAN & PROFILE		
1000 OAKS - PHASE 9		
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-PnP.dwg		
13208		
P-4		

**REV 02/23/2021 JPS
NEW SHEET ADDED
FOR STREET DESIGN**

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



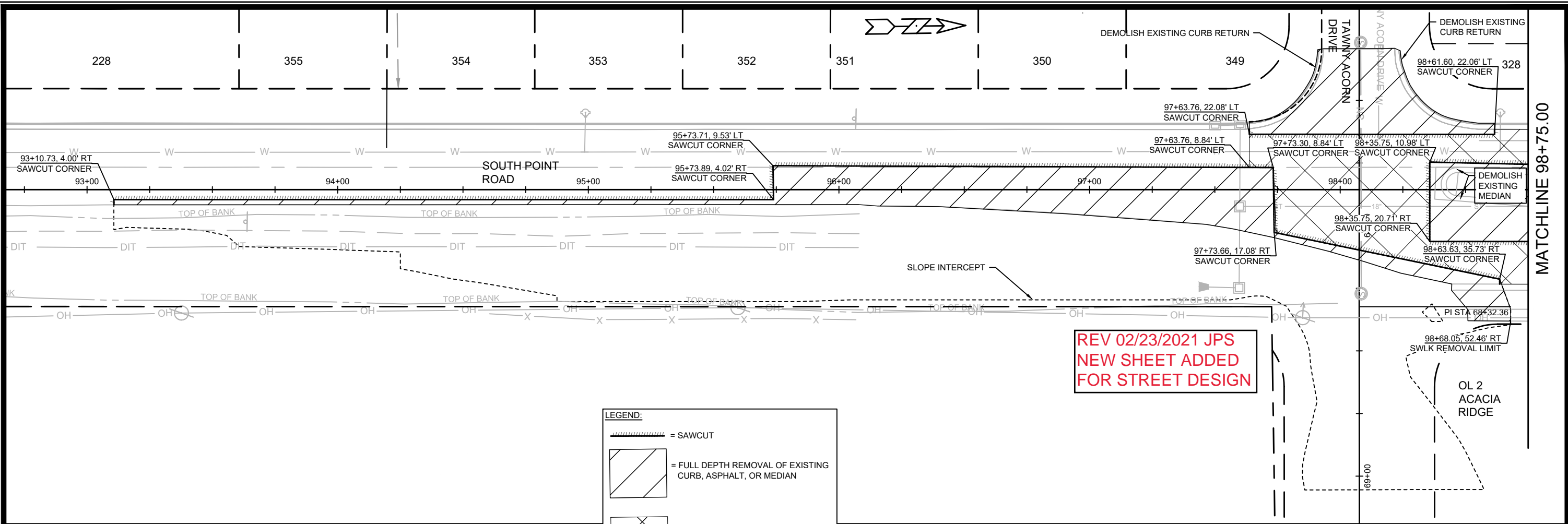
MARK	REVISION	DATE	BY
13208	13208	3/4/2021 11:17 AM	P-5

13208
MADISON, WI
8944
CONTRACT NO:

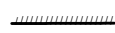
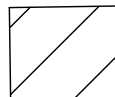
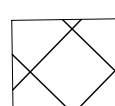
QUAKING ASPEN ROAD PLAN & PROFILE
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-PnP.dwg

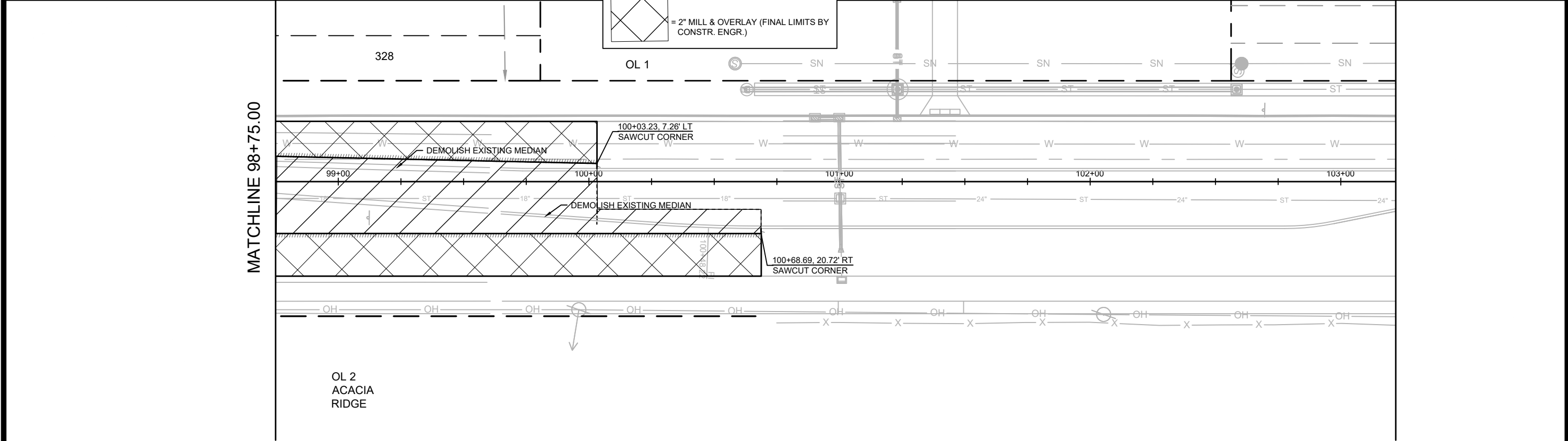


13208
P-5



LEGEND:

-  = SAWCUT
-  = FULL DEPTH REMOVAL OF EXISTING CURB, ASPHALT, OR MEDIAN
-  = 2" MILL & OVERLAY (FINAL LIMITS BY CONSTR. ENGR.)



MATCHLINE 98+75.00

MATCHLINE 98+75.00

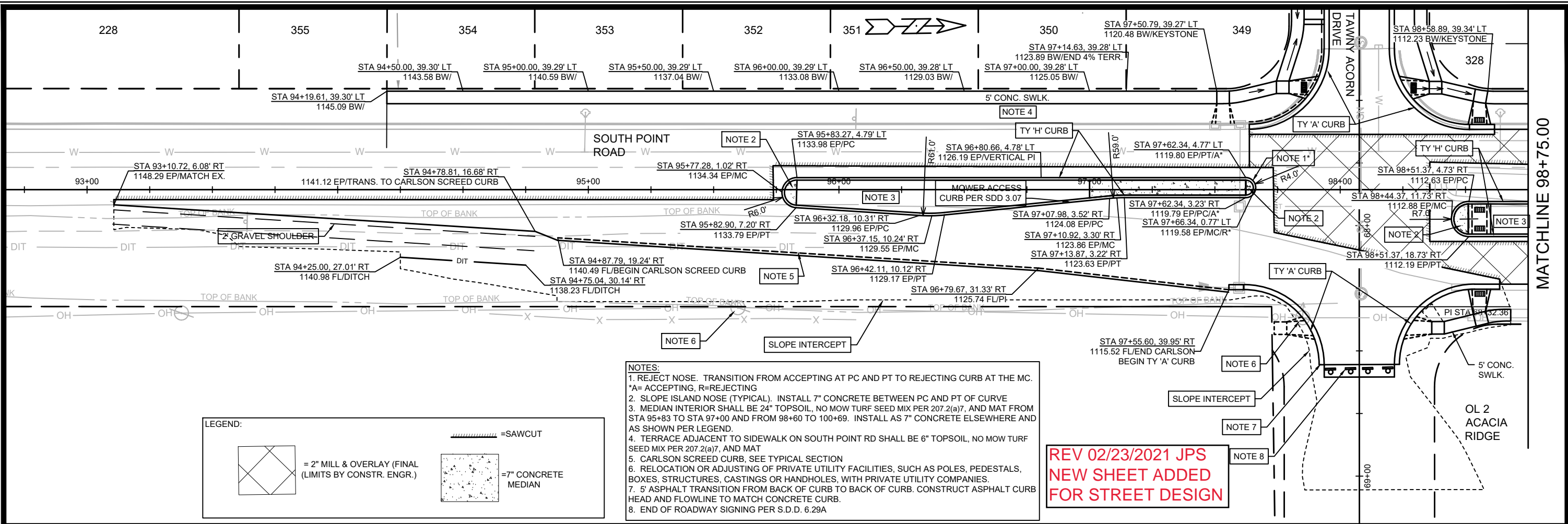
DATE	BY
REVISION	REVISION
MARK	MARK
DESIGNED BY: ###	DATE: 3/2/2021 5:33 AM
Scale: #####	13208

13208
MADISON, WI
8944
CONTRACT NO:

P-6 SOUTH POINT RD - DEMOLITION PLAN
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-PnP_SouthPoint.dwg



13208
P-6

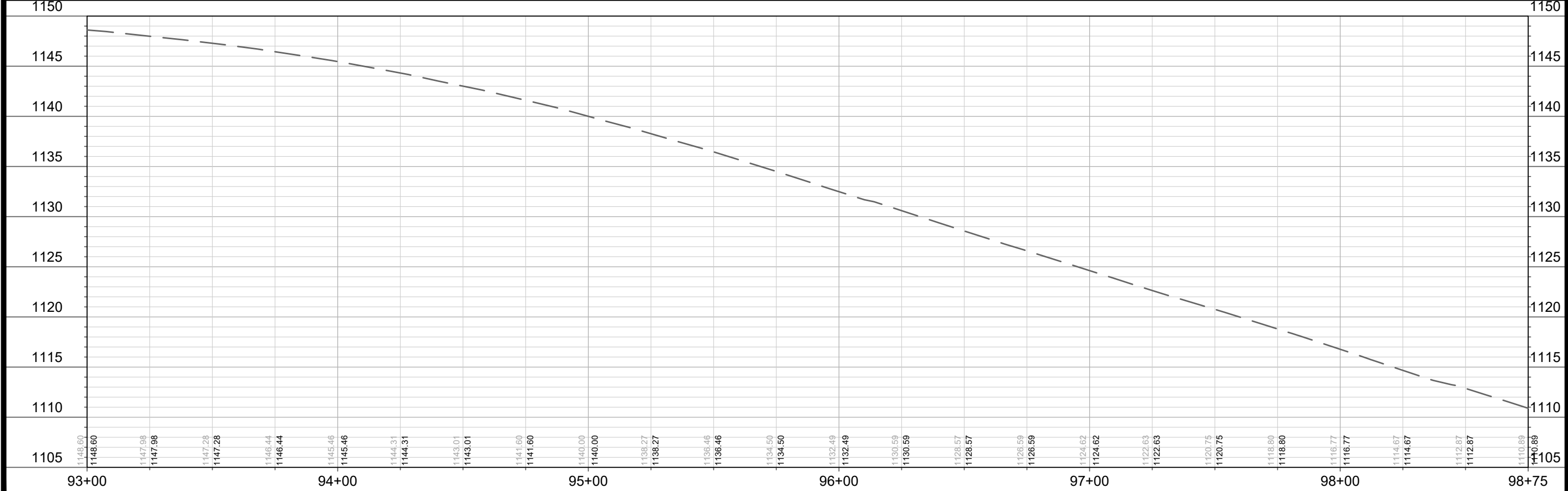


- NOTES:**
1. REJECT NOSE. TRANSITION FROM ACCEPTING AT PC AND PT TO REJECTING CURB AT THE MC. *A= ACCEPTING, R=REJECTING
 2. SLOPE ISLAND NOSE (TYPICAL). INSTALL 7" CONCRETE BETWEEN PC AND PT OF CURVE
 3. MEDIAN INTERIOR SHALL BE 24" TOPSOIL, NO MOW TURF SEED MIX PER 207.2(a)7, AND MAT FROM STA 95+83 TO STA 97+00 AND FROM 98+60 TO 100+69. INSTALL AS 7" CONCRETE ELSEWHERE AND AS SHOWN PER LEGEND.
 4. TERRACE ADJACENT TO SIDEWALK ON SOUTH POINT RD SHALL BE 6" TOPSOIL, NO MOW TURF SEED MIX PER 207.2(a)7, AND MAT
 5. CARLSON SCREED CURB. SEE TYPICAL SECTION
 6. RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, PEDESTALS, BOXES, STRUCTURES, CASTINGS OR HANDHOLES, WITH PRIVATE UTILITY COMPANIES.
 7. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
 8. END OF ROADWAY SIGNING PER S.D.D. 6.29A

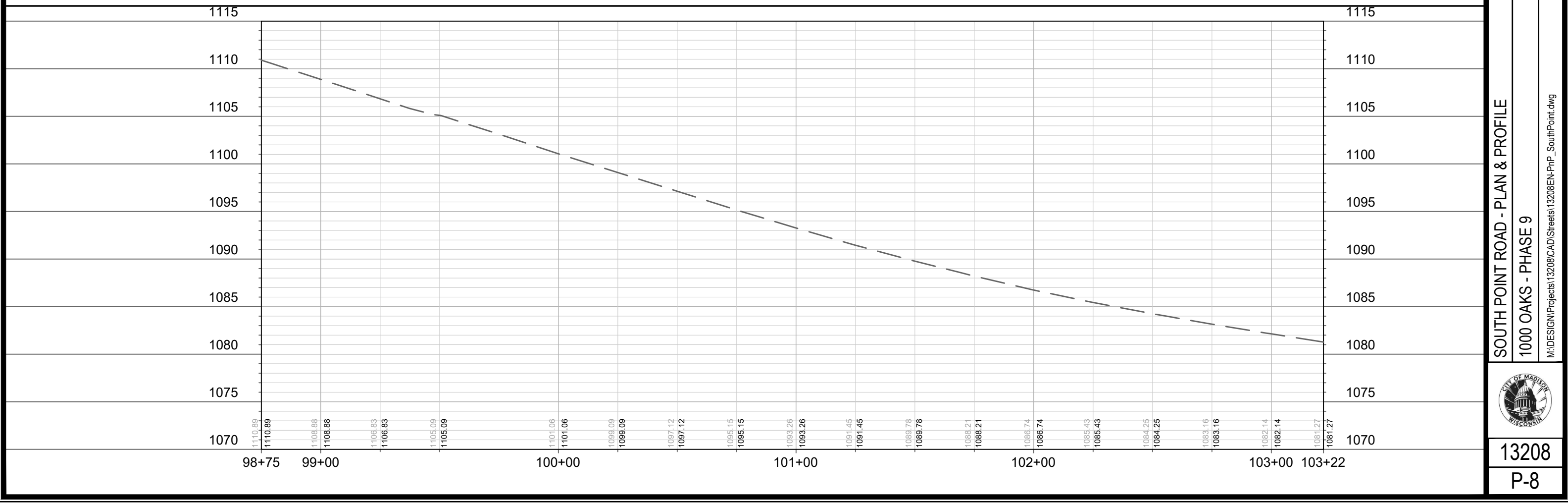
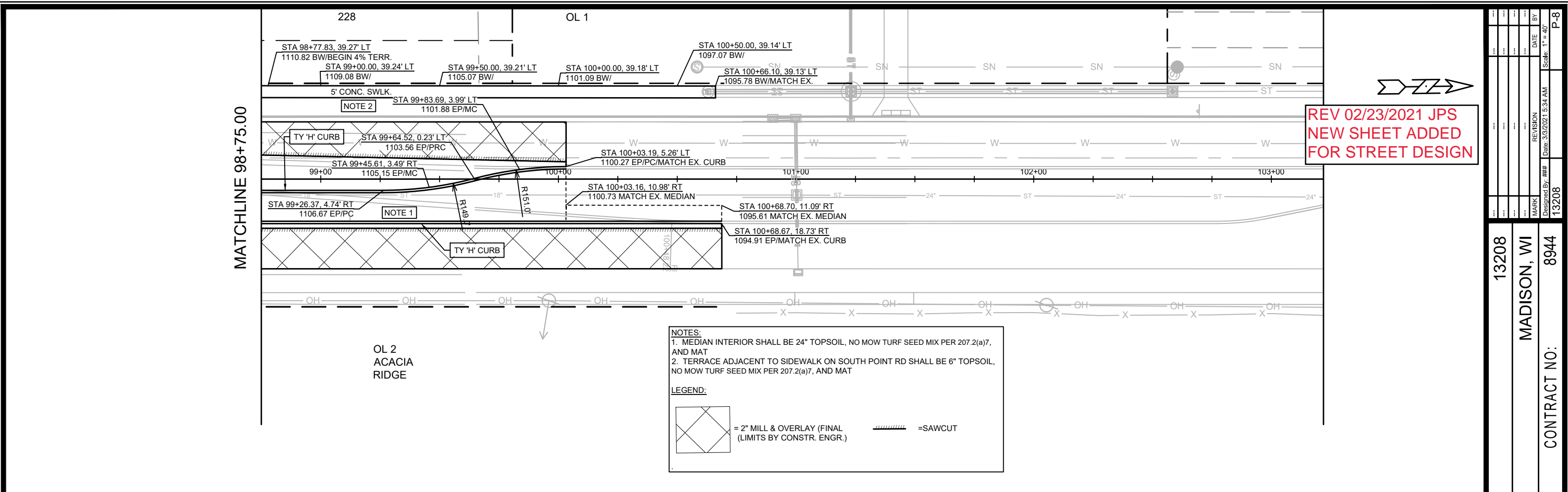
LEGEND:

	= 2" MILL & OVERLAY (FINAL LIMITS BY CONSTR. ENGR.)		= 7" CONCRETE MEDIAN
	=SAWCUT		

**REV 02/23/2021 JPS
NEW SHEET ADDED
FOR STREET DESIGN**



DATE	BY	P-7
REVISION		
MARK	DESIGNED BY: ##	13208
	DATE: 3/2/2021 5:34 AM	
13208		
MADISON, WI		
8944		
CONTRACT NO.:		
13208		
1000 OAKS - PHASE 9		
SOUTH POINT ROAD- PLAN & PROFILE		
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-PrP_SouthPoint.dwg		
13208		
P-7		

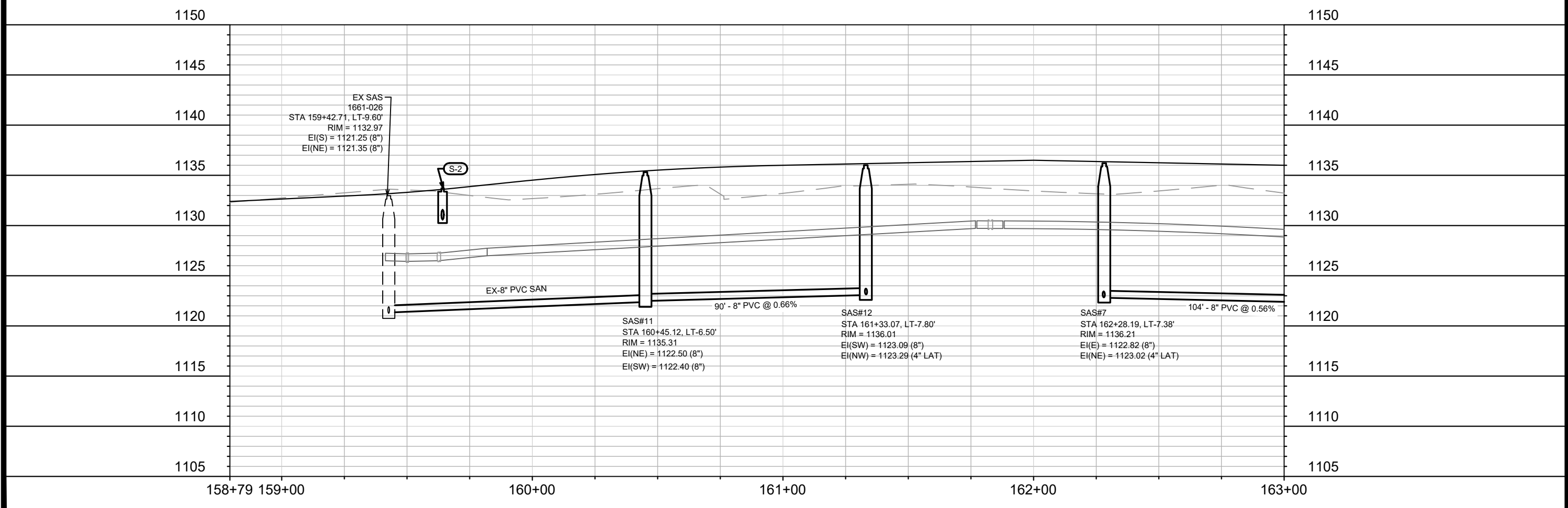
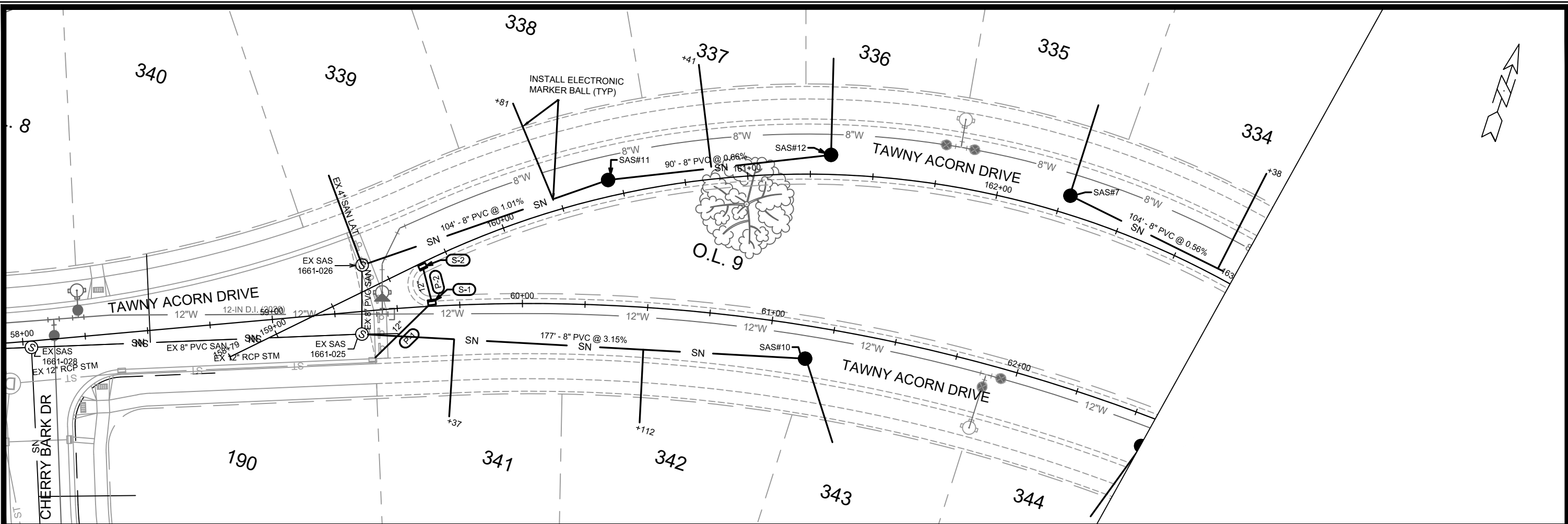



DATE	BY
REVISION	
DESIGNED BY: ###	DATE: 3/2/2021 5:34 AM
MARK	13208
13208	P-8

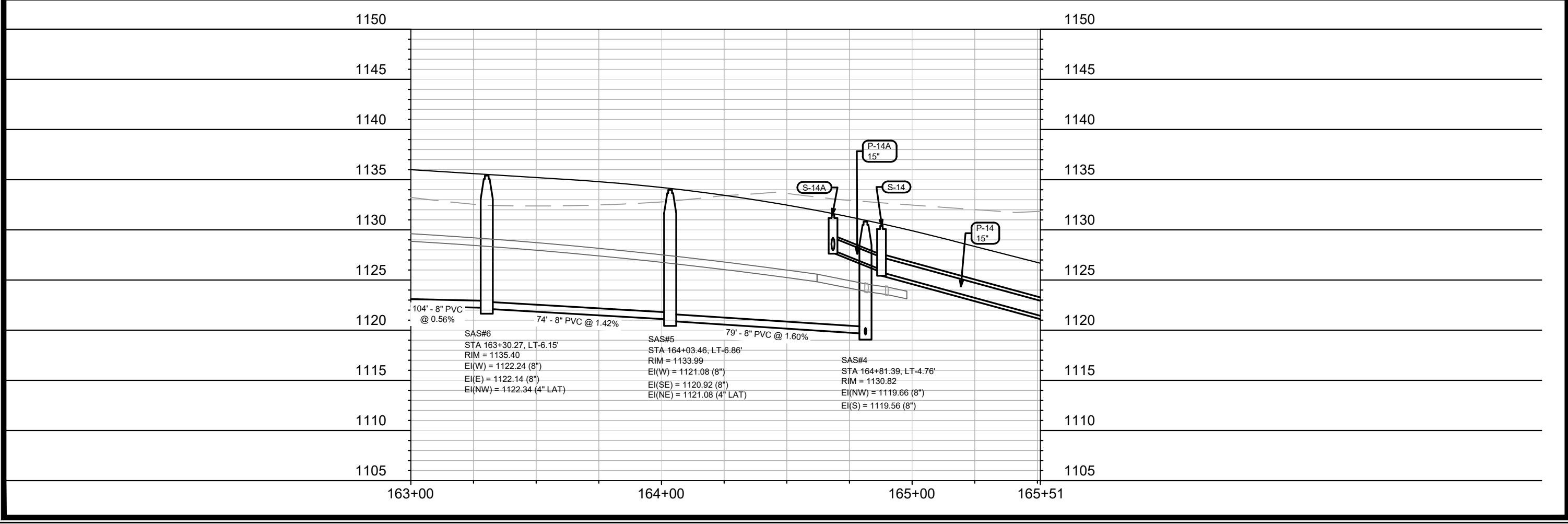
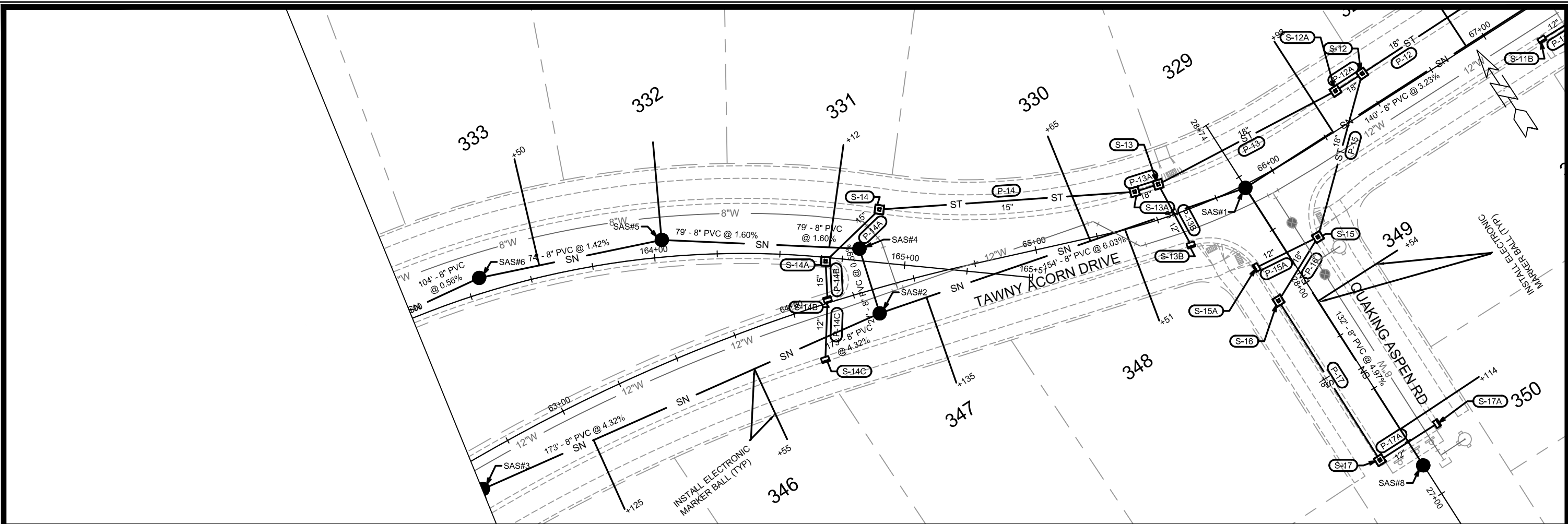
13208
MADISON, WI
8944
CONTRACT NO:

SOUTH POINT ROAD - PLAN & PROFILE
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-PrP_SouthPoint.dwg


13208
P-8

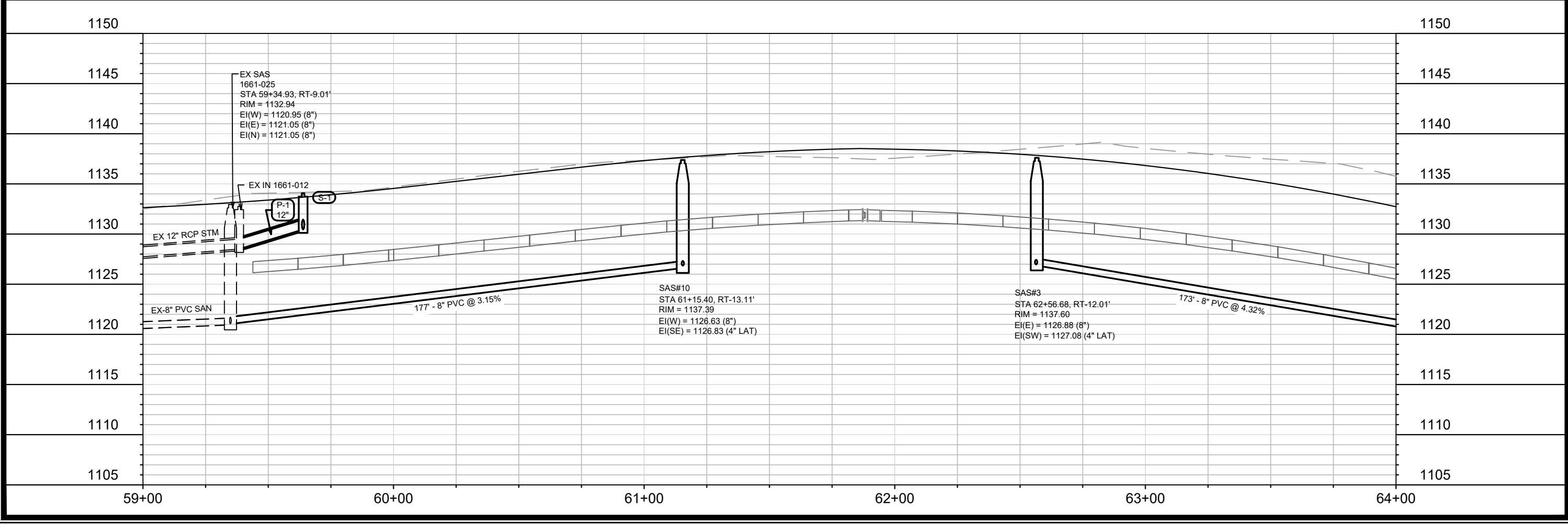
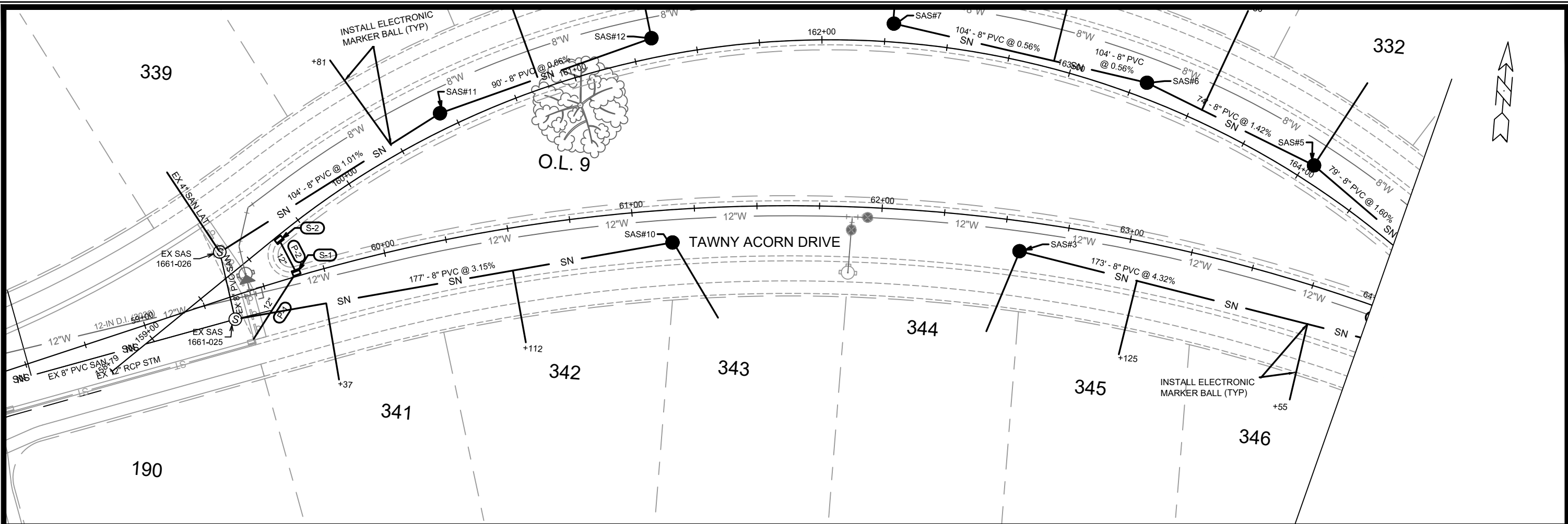


13208 MADISON, WI 1000 OAKS - PHASE 9	13208 8944 CONTRACT NO:
	13208 U-1



SAS#	Station	LT	RIM	Elevation
SAS#6	163+30.27	6.15'	1135.40	1122.24 (8")
SAS#5	164+03.46	6.86'	1133.99	1120.92 (8")
SAS#4	164+81.39	4.76'	1130.82	1119.66 (8")

13208 MADISON, WI	13208 8944
TAWNY ACORN DRIVE UPPER - UTILITIES PLAN & PROFILE 1000 OAKS - PHASE 9	
<small>M:\DESIGN\Projects\13208\CAD\Servers\13208SWR\PipeNetwork.dwg</small>	
	13208 U-2



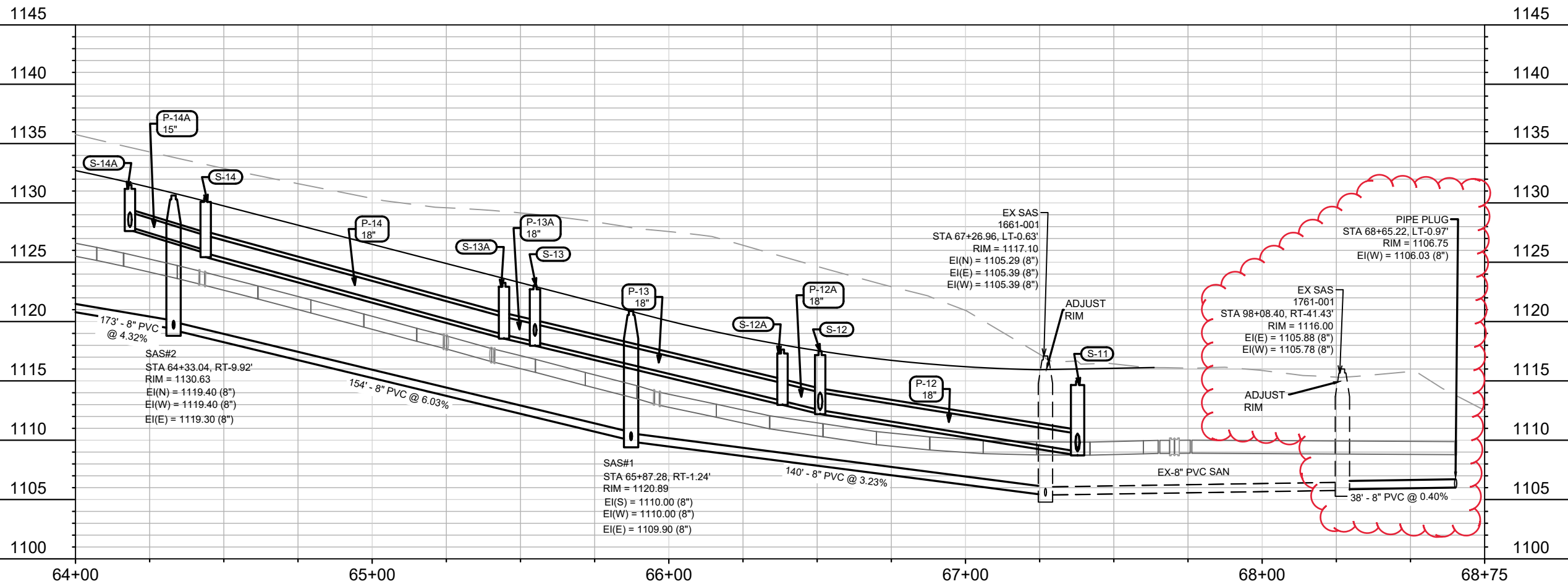
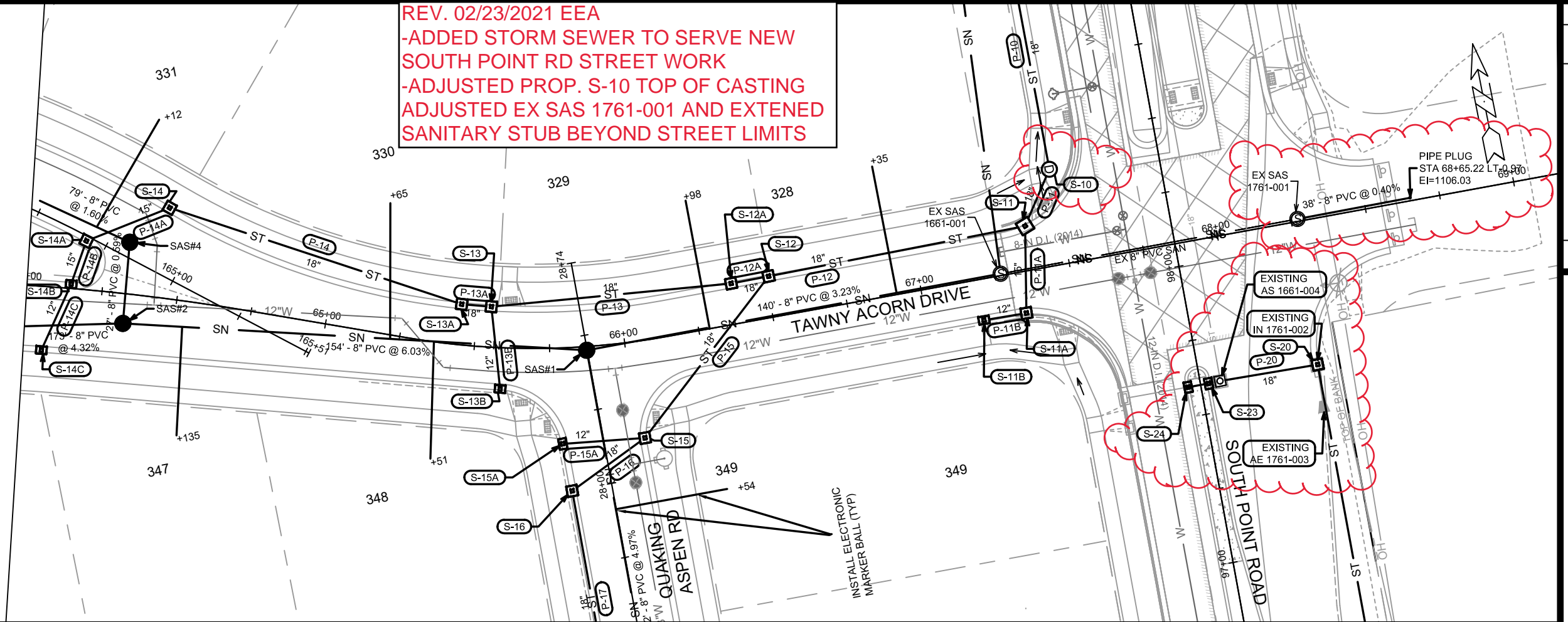
MARK	REVISION	DATE	BY
U-3	13208	11/17/2020 11:59 AM	Scale: 1" = 40'

13208
MADISON, WI
8944
CONTRACT NO:

TAWNY ACORN DRIVE - UTILITIES PLAN & PROFILE
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Sewers\13208SWR-PipeNetwork.dwg

13208
U-3

REV. 02/23/2021 EEA
 -ADDED STORM SEWER TO SERVE NEW SOUTH POINT RD STREET WORK
 -ADJUSTED PROP. S-10 TOP OF CASTING
 ADJUSTED EX SAS 1761-001 AND EXTENDED SANITARY STUB BEYOND STREET LIMITS



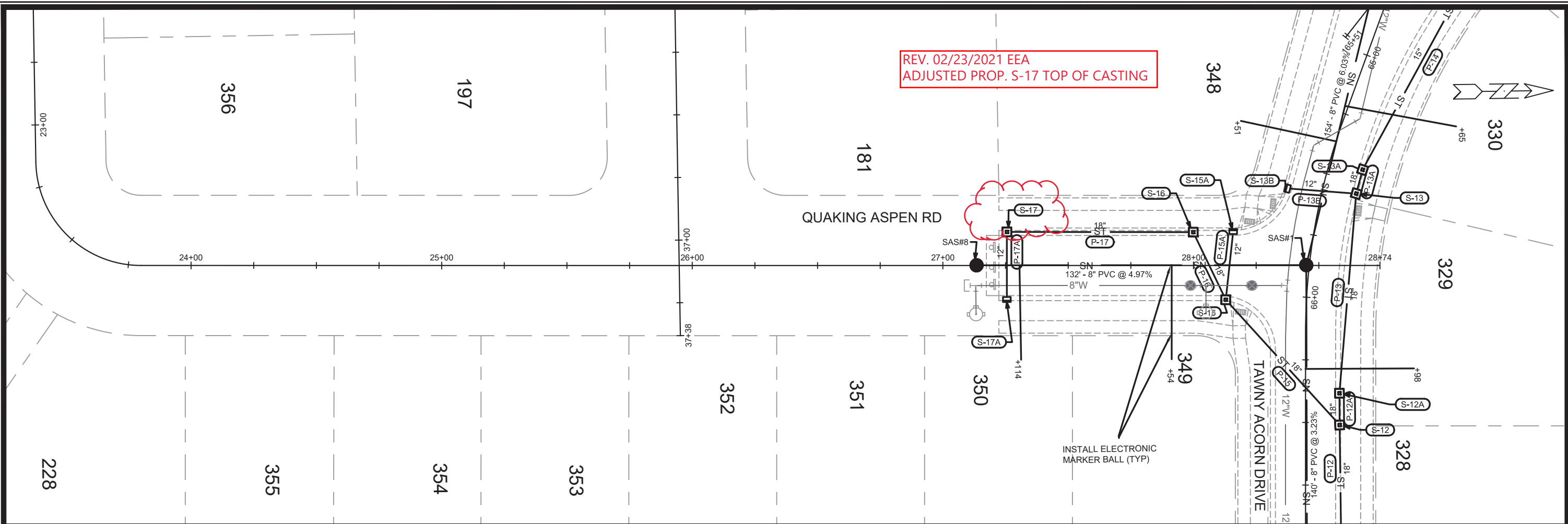
MARK	REVISION	DATE	BY
U-4	13208	3/2/2021 5:01 PM	EEA

13208
 MADISON, WI
 8944
 CONTRACT NO:

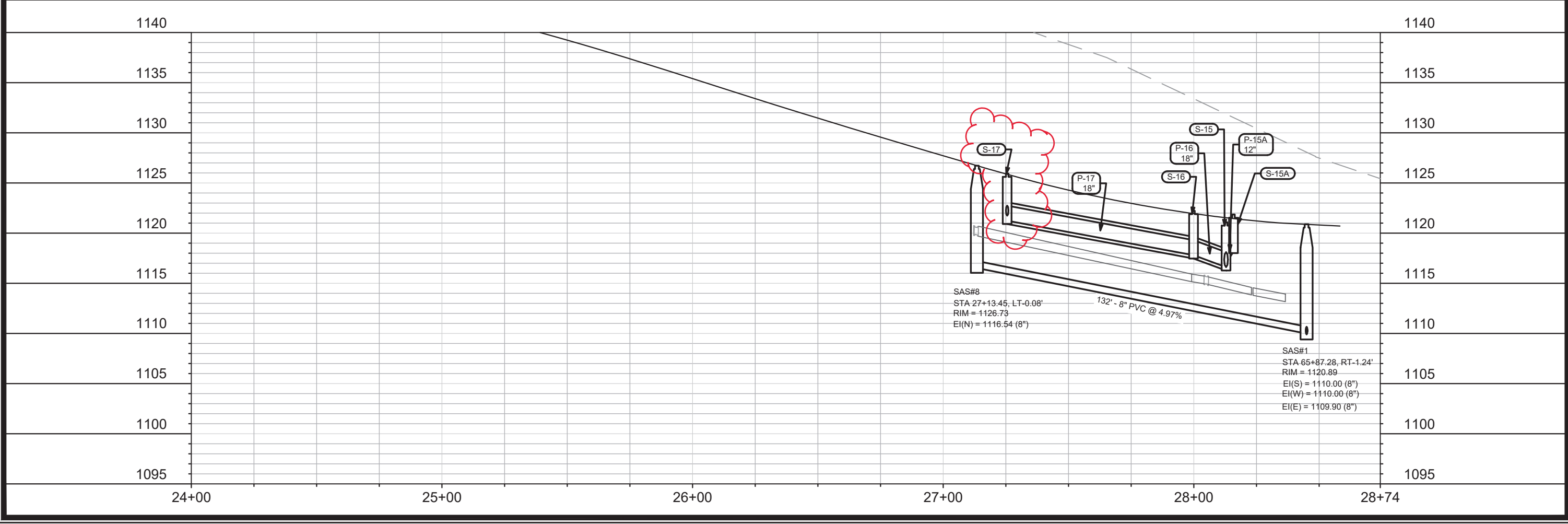
TAWNY ACORN DRIVE - UTILITIES PLAN & PROFILE
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Sewers\13208SWR-PipeNetwork.dwg



13208
 U-4



REV. 02/23/2021 EEA
 ADJUSTED PROP. S-17 TOP OF CASTING

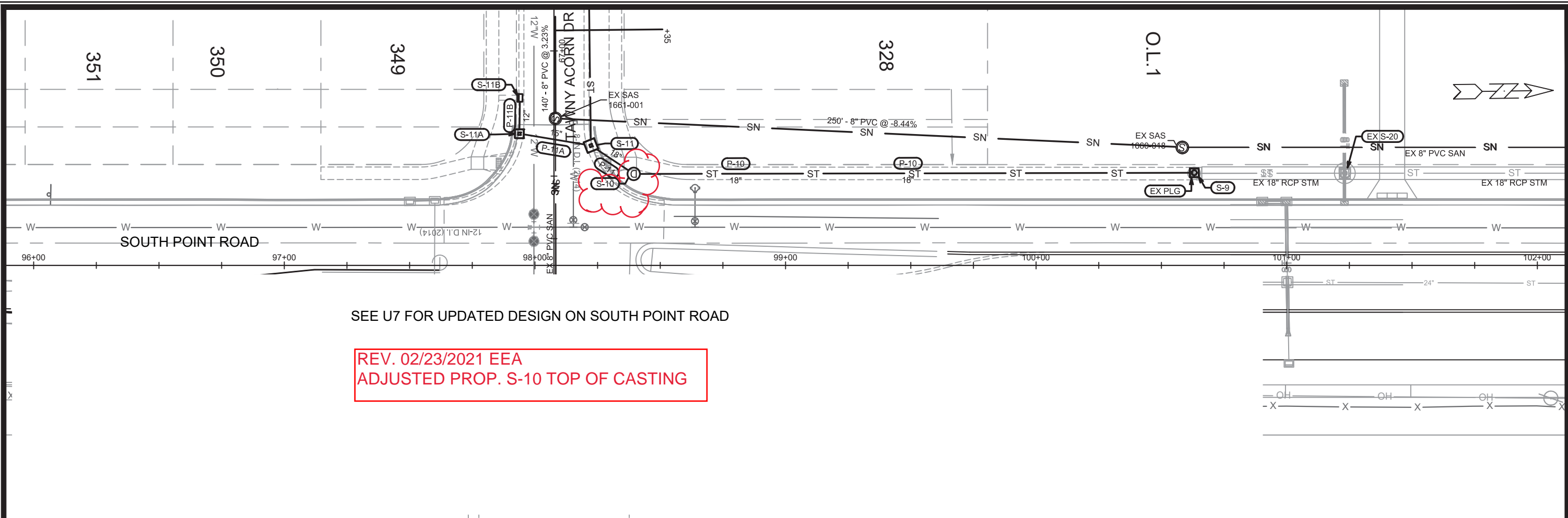


MARK	REVISION	DATE	BY
13208	U-5	11/17/2020 12:06 PM	EA

13208
 MADISON, WI
 8944
 CONTRACT NO:
 13208
 U-5

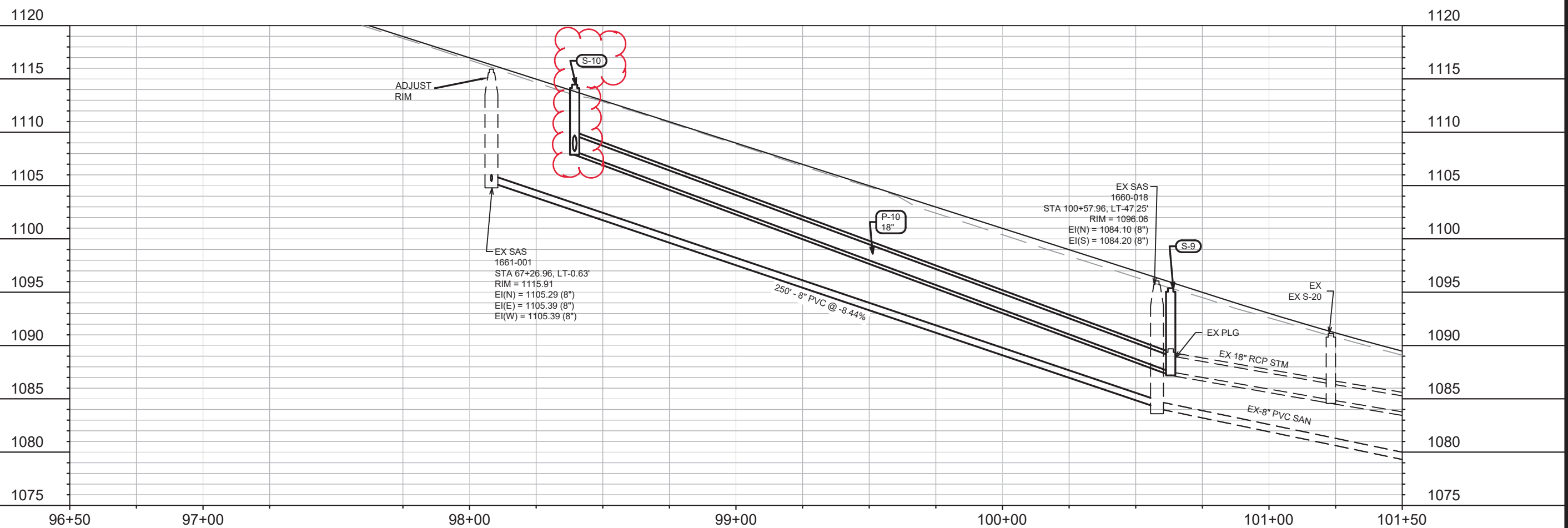
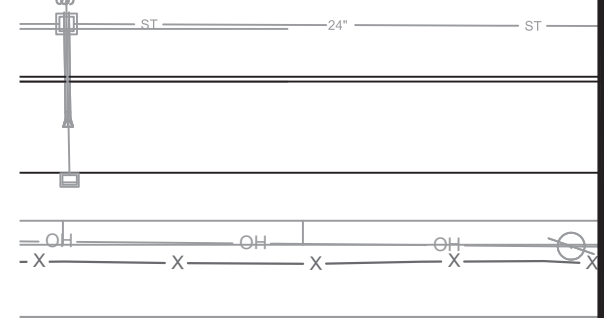
QUAKING ASPEN ROAD - UTILITIES PLAN & PROFILES
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\sewers\13208SWR-PipeNetwork.dwg


13208
 U-5



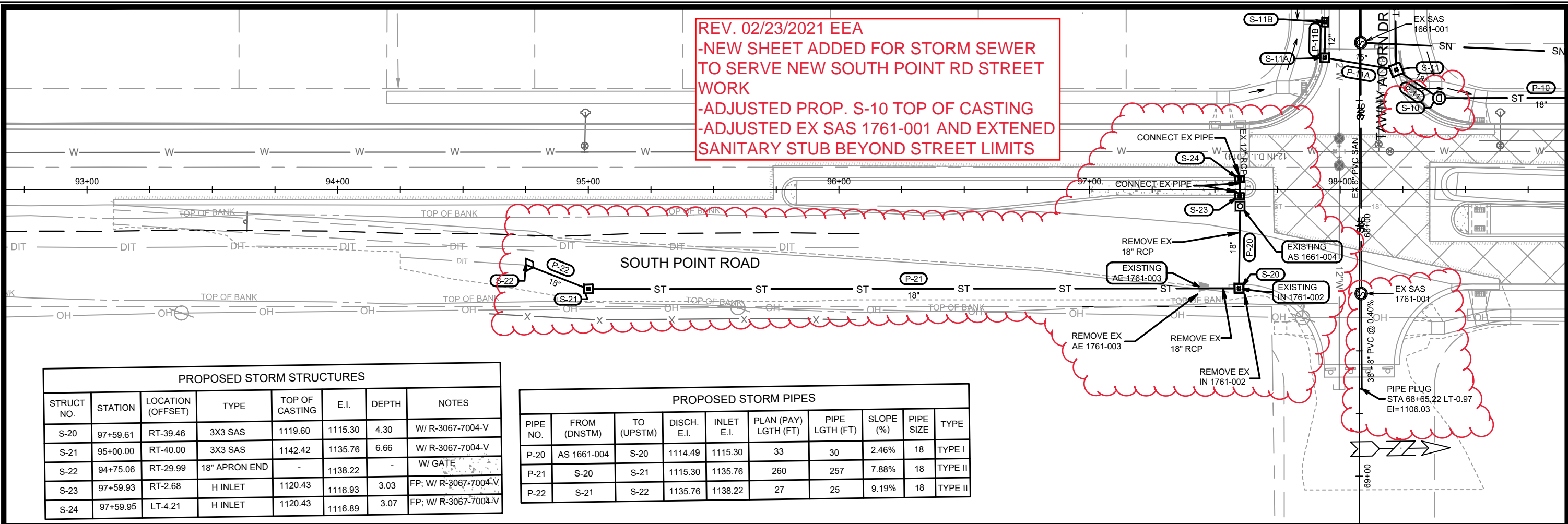
SEE U7 FOR UPDATED DESIGN ON SOUTH POINT ROAD

REV. 02/23/2021 EEA
ADJUSTED PROP. S-10 TOP OF CASTING



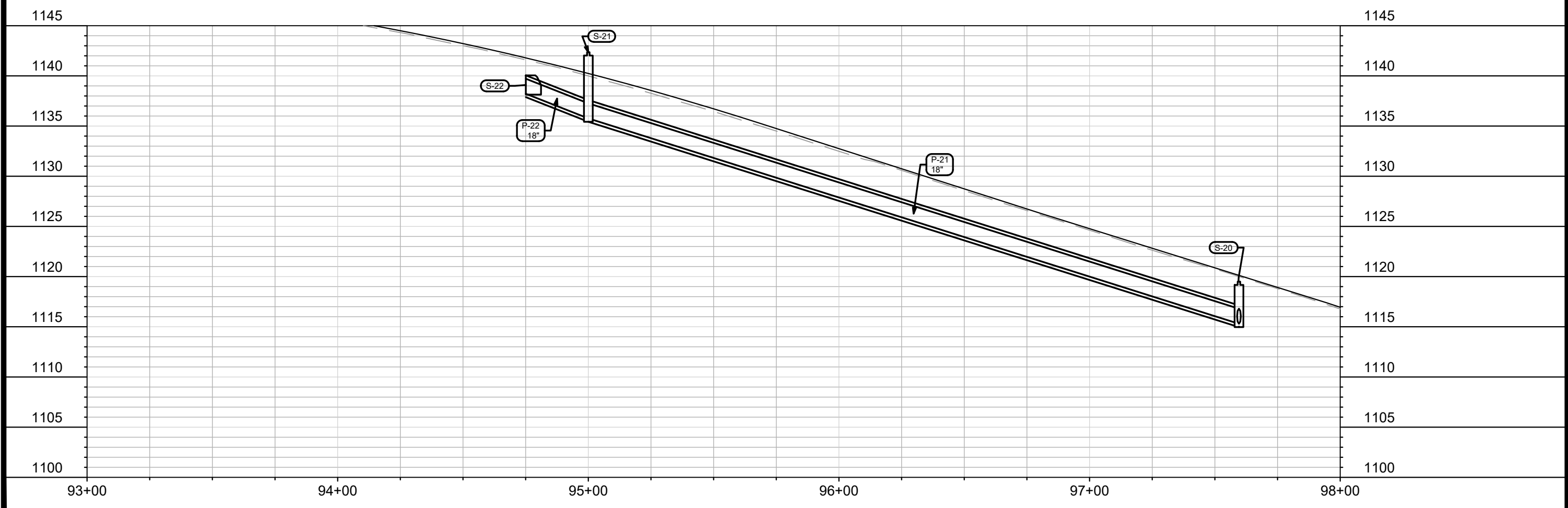
MARK	REVISION	DATE	BY
U-6			
13208	13208	11/17/2020 12:06 PM	Scale: 1" = 40'
13208		MADISON, WI	
1000 OAKS - PHASE 9		CONTRACT NO: 8944	
SOUTH POINT ROAD - UTILITIES PLAN & PROFILES		M:\DESIGN\Projects\13208\CAD\Sewers\13208SWR-PipeNetwork.dwg	
		13208	
U-6		U-6	

REV. 02/23/2021 EEA
 -NEW SHEET ADDED FOR STORM SEWER
 TO SERVE NEW SOUTH POINT RD STREET
 WORK
 -ADJUSTED PROP. S-10 TOP OF CASTING
 -ADJUSTED EX SAS 1761-001 AND EXTENED
 SANITARY STUB BEYOND STREET LIMITS



PROPOSED STORM STRUCTURES							
STRUCT NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-20	97+59.61	RT-39.46	3X3 SAS	1119.60	1115.30	4.30	W/ R-3067-7004-V
S-21	95+00.00	RT-40.00	3X3 SAS	1142.42	1135.76	6.66	W/ R-3067-7004-V
S-22	94+75.06	RT-29.99	18" APRON END	-	1138.22	-	W/ GATE
S-23	97+59.93	RT-2.68	H INLET	1120.43	1116.93	3.03	FP: W/ R-3067-7004-V
S-24	97+59.95	LT-4.21	H INLET	1120.43	1116.89	3.07	FP: 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
P-20	AS 1661-004	S-20	1114.49	1115.30	33	30	2.46%	18	TYPE I
P-21	S-20	S-21	1115.30	1135.76	260	257	7.88%	18	TYPE II
P-22	S-21	S-22	1135.76	1138.22	27	25	9.19%	18	TYPE II



MARK	REVISION	DATE	BY
U-7			
13208	13208	3/2/2021 3:44 PM	U-7

13208
 MADISON, WI
 8944
 CONTRACT NO:

SOUTH POINT ROAD - UTILITIES PLAN & PROFILE
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Sewers\13208SWR-PipeNetwork.dwg

CITY OF MADISON
 WISCONSIN

13208
 U-7

SANITARY SEWER SCHEDULE

* REVISED 2/23/2021 EEA

1000 OAKS PH 9	SHEET NO.
PROJECT NO. 13208	U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
TAWNY ACORN DR						
SAS#1	65+87.28	RT-1.24	1120.89	1109.90	10.99	-
SAS#2	64+33.04	RT-9.92	1130.63	1119.30	11.33	-
SAS#3	62+56.68	RT-12.01	1137.60	1126.88	10.72	-
SAS#10	61+15.40	RT-13.11	1137.39	1126.63	10.76	-
TAWNY ACORN DR - UPPER						
SAS#4	164+81.39	LT-4.76	1130.82	1119.56	11.26	-
SAS#5	164+03.46	LT-6.86	1133.99	1120.92	13.07	-
SAS#6	163+30.27	LT-6.15	1135.40	1122.14	13.26	-
SAS#7	162+28.19	LT-7.38	1136.21	1122.82	13.39	-
SAS#11	160+45.12	LT-6.50	1135.31	1122.40	12.91	-
SAS#12	161+33.07	LT-7.80	1136.01	1123.09	12.92	-
QUAKING ASPEN RD						
SAS#8	27+13.45	LT-0.08	1126.73	1116.54	10.19	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EX SAS 1660-018	EX SAS 1661-001	1084.20	1105.29	250	8.44%	8"	SDR-35	-
EX SAS 1661-001	SAS#1	1105.39	1109.90	140	3.23%	8"	SDR-35	-
SAS#1	SAS#2	1110.00	1119.30	154	6.03%	8"	SDR-35	-
SAS#2	SAS#3	1119.40	1126.88	173	4.32%	8"	SDR-35	-
EX SAS 1661-025	SAS#10	1121.05	1126.63	177	3.15%	8"	SDR-35	-
* EX SAS 1761-001	STA 68+65.22 LT-0.97	1105.88	1106.03	38	0.40%	8"	SDR-35	-
SAS#2	SAS#4	1119.40	1119.56	27	0.59%	8"	SDR-35	-
SAS#4	SAS#5	1119.66	1120.92	79	1.60%	8"	SDR-35	-
SAS#5	SAS#6	1121.08	1122.14	74	1.42%	8"	SDR-35	-
SAS#6	SAS#7	1122.24	1122.82	104	0.56%	8"	SDR-35	-
EX SAS 1661-026	SAS#11	1121.35	1122.40	104	1.01%	8"	SDR-35	-
SAS#11	SAS#12	1122.50	1123.09	90	0.66%	8"	SDR-35	-
SAS#1	SAS#8	1110.00	1116.54	132	4.97%	8"	SDR-35	-

ADJUST SANITARY STRUCTURES

STRUC NO.	STATION	LOCATION (OFFSET)	EX RIM	PROP RIM	NOTES
TAWNY ACORN DR					
* 1661-001	67+26.96	LT-0.63	1117.10	1115.95	-
SOUTH POINT RD					
* 1761-001	98+08.40	RT-41.43	1116.00	1115.08	-

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

* REVISED 2/23/2021 EEA

1000 OAKS - PHASE 9	SHEET NO.
PROJECT NO. 13208	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
TAWNY ACORN DRIVE							
S-1	59+63.78	LT-1.53	H INLET	1134.05	1130.45	3.60	LP; W/ R-3067-7004-VB
S-2	59+60.30	LT-17.77	H INLET	1133.98	1130.58	3.40	LP; W/ R-3067-7004-VB
SOUTH POINT ROAD							
S-9	100+63.10	LT-37.00	3X3 SAS	1095.97	1087.52	8.45	W/ R-1550
TAWNY ACORN DRIVE							
* S-10	67+49.11	LT-31.85	3X3 SAS	1113.70	1108.21	5.49	W/ R-1550
S-11	67+37.78	LT-14.74	4X4 SAS	1115.14	1109.05	6.09	W/ R-3067-7004-V
S-11A	67+33.04	RT-13.80	3X3 SAS	1117.24	1111.91	5.33	W/ R-3067-7004-V
S-11B	67+18.69	RT-13.50	H INLET	1117.05	1112.45	4.60	LP; W/ R-3067-7004-VB
S-12	66+51.00	LT-13.50	3X3 SAS	1117.53	1112.53	5.00	W/ R-3067-7004-V
S-12A	66+38.33	LT-13.50	3X3 SAS	1118.11	1113.31	4.80	W/ R-3067-7004-V
S-13	65+54.88	LT-13.50	3X3 SAS	1123.09	1118.29	4.80	W/ R-3067-7004-V
S-13A	65+44.43	LT-13.50	3X3 SAS	1123.77	1118.89	4.88	W/ R-3067-7004-V
S-13B	65+59.15	RT-13.50	H INLET	1123.23	1119.63	3.60	W/ R-3067-7004-V
S-14B	64+14.59	LT-1.50	H INLET	1132.30	1128.36	3.94	W/ R-3067-7004-V
S-14C	64+06.30	RT-21.19	H INLET	1132.36	1128.76	3.60	W/ R-3067-7004-V
TAWNY ACORN DRIVE - UPPER							
S-14	164+87.77	LT-21.09	3X3 SAS	1130.36	1125.76	4.60	W/ R-3067-7004-V
S-14A	164+68.43	RT-1.59	3X3 SAS	1131.96	1127.96	4.00	LP; W/ R-3067-7004-VB
QUAKING ASPEN ROAD							
S-15	28+12.86	RT-13.50	4X4 SAS	1121.21	1116.61	4.60	FP; W/ R-3067-7004-V
S-15A	28+15.80	LT-13.50	H INLET	1122.34	1118.34	4.00	LP; W/ R-3067-7004-VB
S-16	28+00.00	LT-13.50	3X3 SAS	1122.68	1117.80	4.88	W/ R-3067-7004-V
* S-17	27+25.52	LT-13.50	3X3 SAS	1126.51	1121.24	5.27	W/ R-3067-7004-V
S-17A	27+25.52	RT-13.50	H INLET	1126.03	1122.42	3.61	W/ R-3067-7004-V

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.

-KOR N SEAL BOOTS OR EQUIVALENT SHALL BE USED FOR ALL PIPE CONNECTIONS TO PRECAST INLETS. IN ADDITION, KOR N SEAL BOOTS SHALL BE REQUIRED FOR ANY TYPE II PIPE CONNECTIONS TO SAS STORM STRUCTURES. CONCRETE COLLARS OR KOR N SEAL MAY BE USED FOR ANY RCP OR HERCP CONNECTIONS TO SAS STORM STRUCTURES.

-ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.

-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.

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 IN 1661-012	S-1	1128.50	1130.45	33	30	5.91%	12"	TYPE I	-
P-2	S-1	S-2	1130.45	1130.58	15	13	0.89%	12"	TYPE II	-
SOUTH POINT ROAD										
P-10	S-9	S-10	1087.52	1108.21	224	221	9.24%	18"	TYPE II	-
TAWNY ACORN DRIVE										
P-11	S-10	S-11	1108.21	1109.05	21	16	4.00%	18"	TYPE II	-
P-11A	S-11	S-11A	1109.30	1111.91	29	25	9.00%	15"	TYPE I	-
P-11B	S-11A	S-11B	1111.91	1112.45	14	11	3.86%	12"	TYPE II	-
P-12	S-11	S-12	1109.05	1112.53	87	83	4.00%	18"	TYPE II	-
P-12A	S-12	S-12A	1112.53	1113.31	13	10	6.00%	18"	TYPE II	-
P-13	S-12A	S-13	1113.31	1118.29	80	77	6.23%	18"	TYPE II	-
P-13A	S-13	S-13A	1118.29	1118.89	10	7	6.00%	18"	TYPE II	-
P-13B	S-13	S-13B	1118.79	1119.63	27	25	3.11%	12"	TYPE I	-
P-14	S-13A	S-14	1118.89	1125.76	102	99	6.74%	18"	TYPE II	-
P-14A	S-14	S-14A	1126.01	1127.96	30	26	6.50%	15"	TYPE I	-
P-14B	S-14A	S-14B	1127.96	1128.36	15	13	2.63%	15"	TYPE II	-
P-14C	S-14B	S-14C	1128.61	1128.76	24	22	0.63%	12"	TYPE I	-
QUAKING ASPEN ROAD										
P-15	S-12	S-15	1112.53	1116.61	68	64	6.00%	18"	TYPE I	-
P-15A	S-15	S-15A	1117.11	1118.34	27	25	4.56%	12"	TYPE II	-
P-16	S-15	S-16	1116.61	1117.80	30	27	3.97%	18"	TYPE I	-
P-17	S-16	S-17	1117.80	1121.24	74	71	4.65%	18"	TYPE II	-
P-17A	S-17	S-17A	1121.74	1122.42	27	25	2.52%	12"	TYPE I	-

- 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.

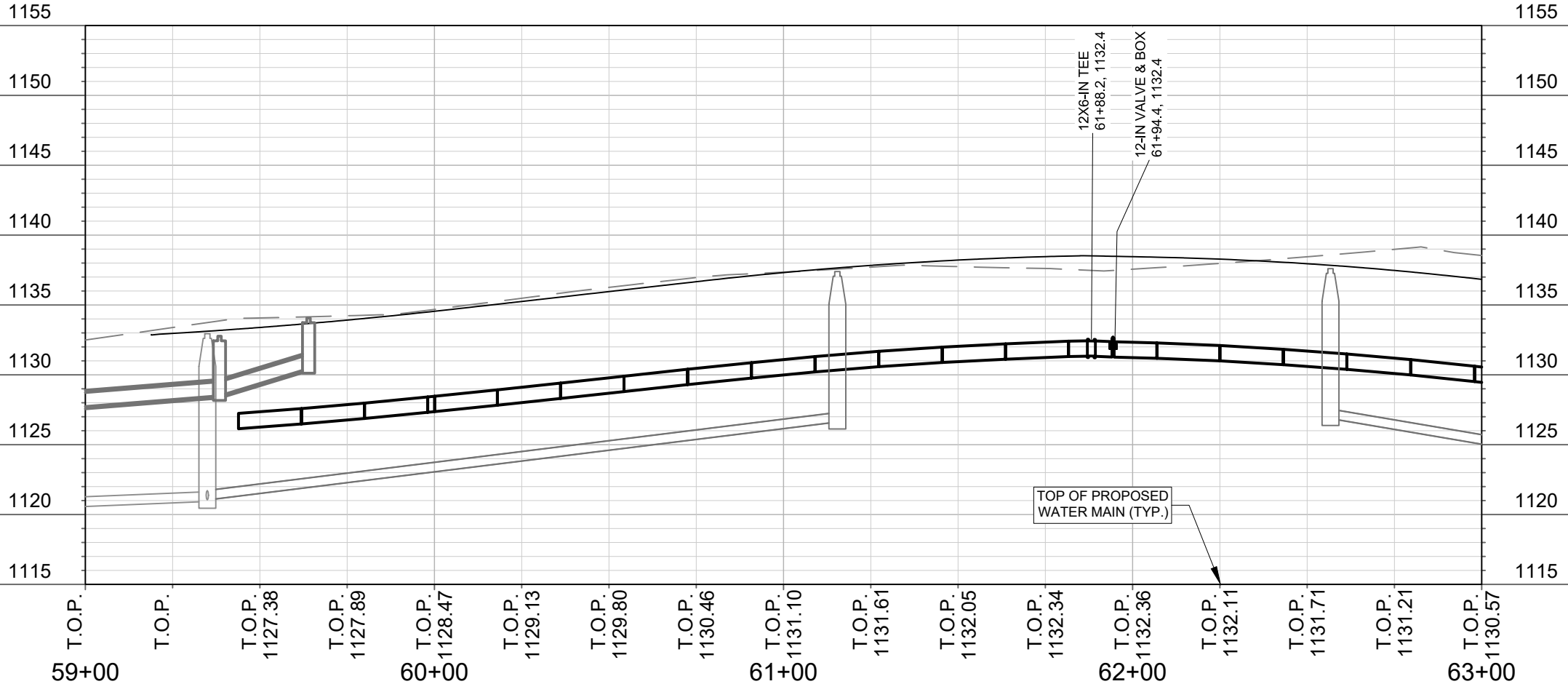
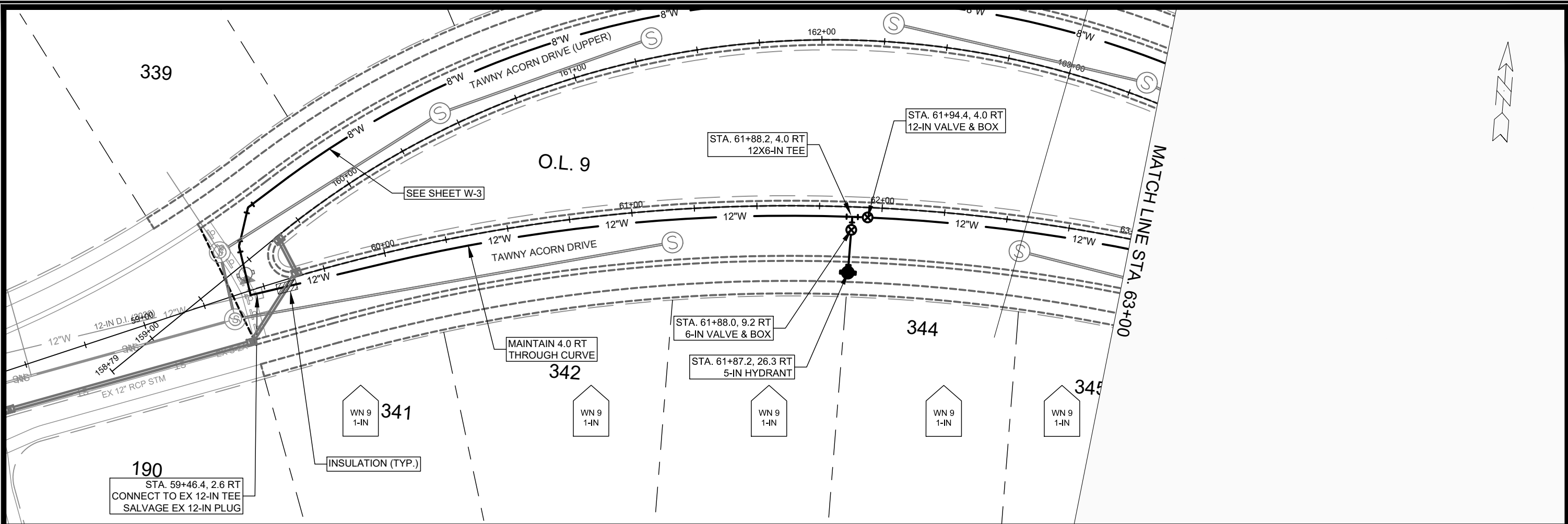
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.

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

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



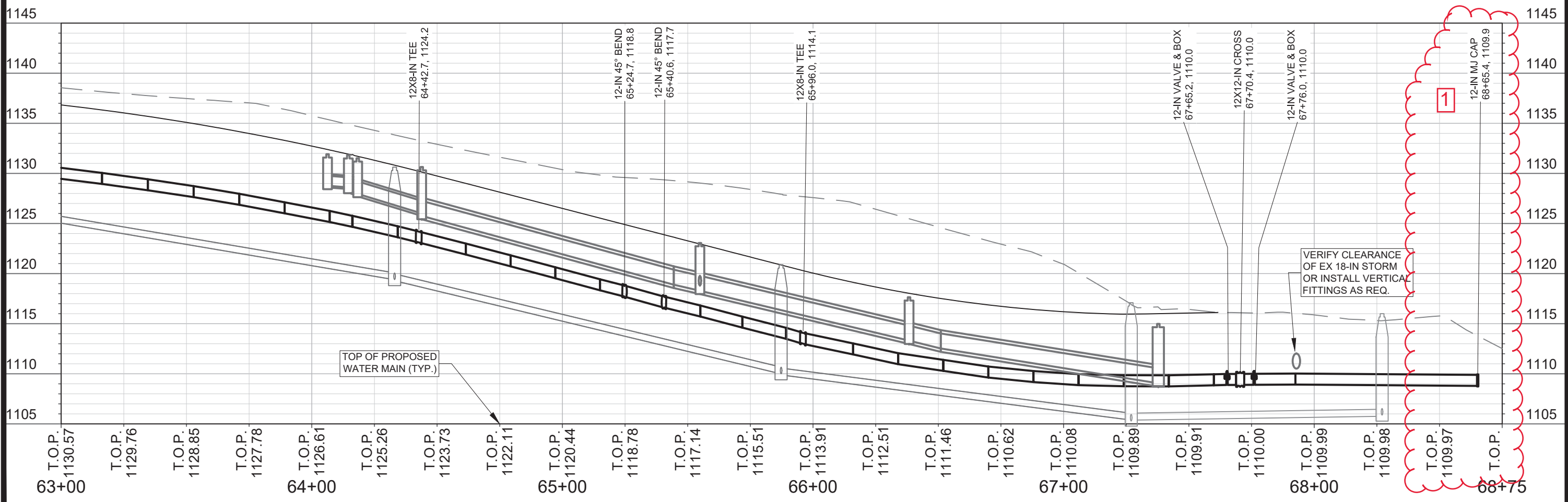
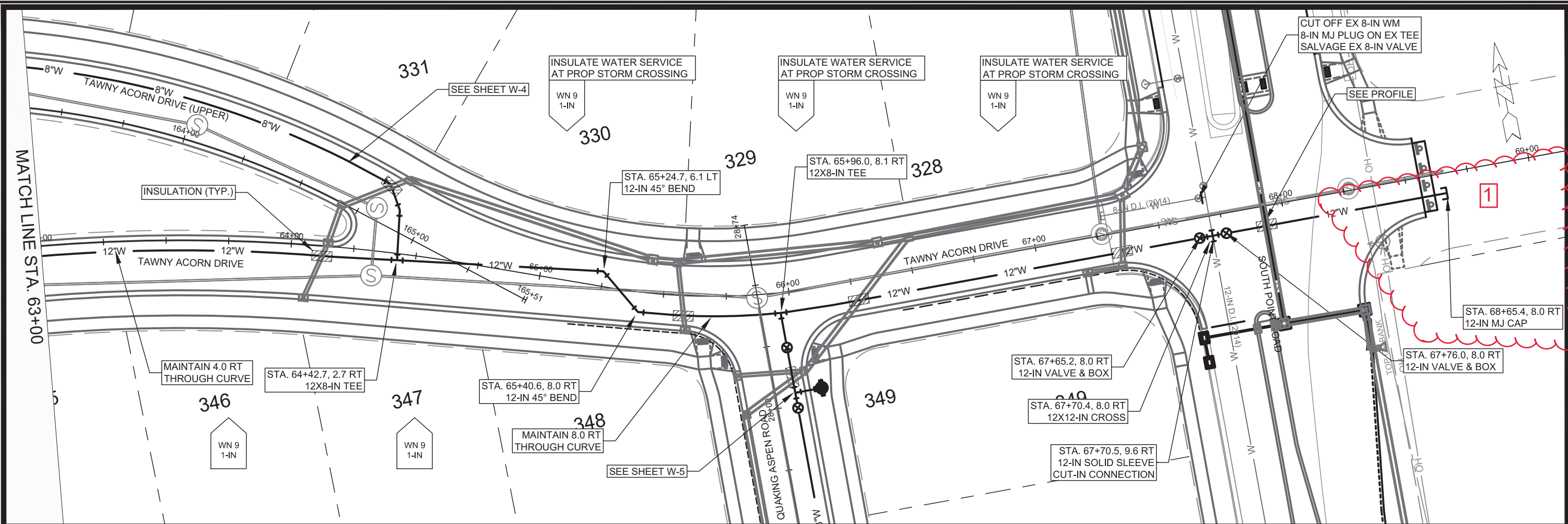
MARK	REVISION	DATE	BY
13208	11/17/2020 8:02 AM		W-1

13208
MADISON, WI
8944
CONTRACT NO:

TAWNY ACORN DRIVE (LOWER)
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Water\13208WU-Water.dwg



13208
W-1

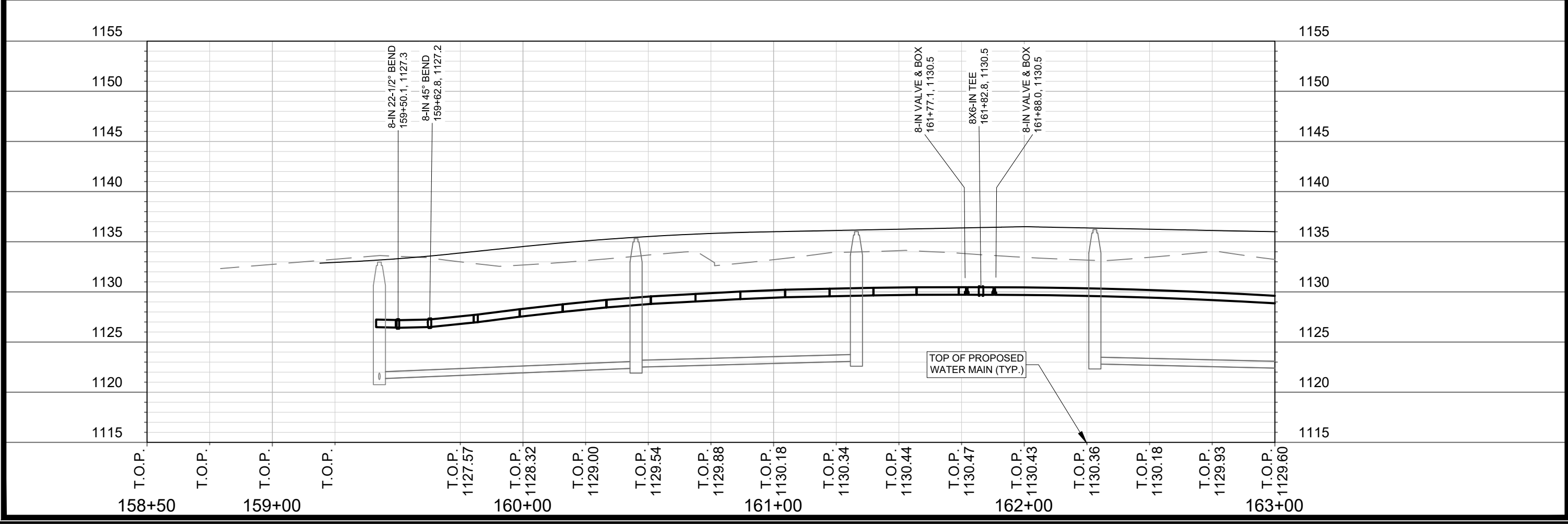
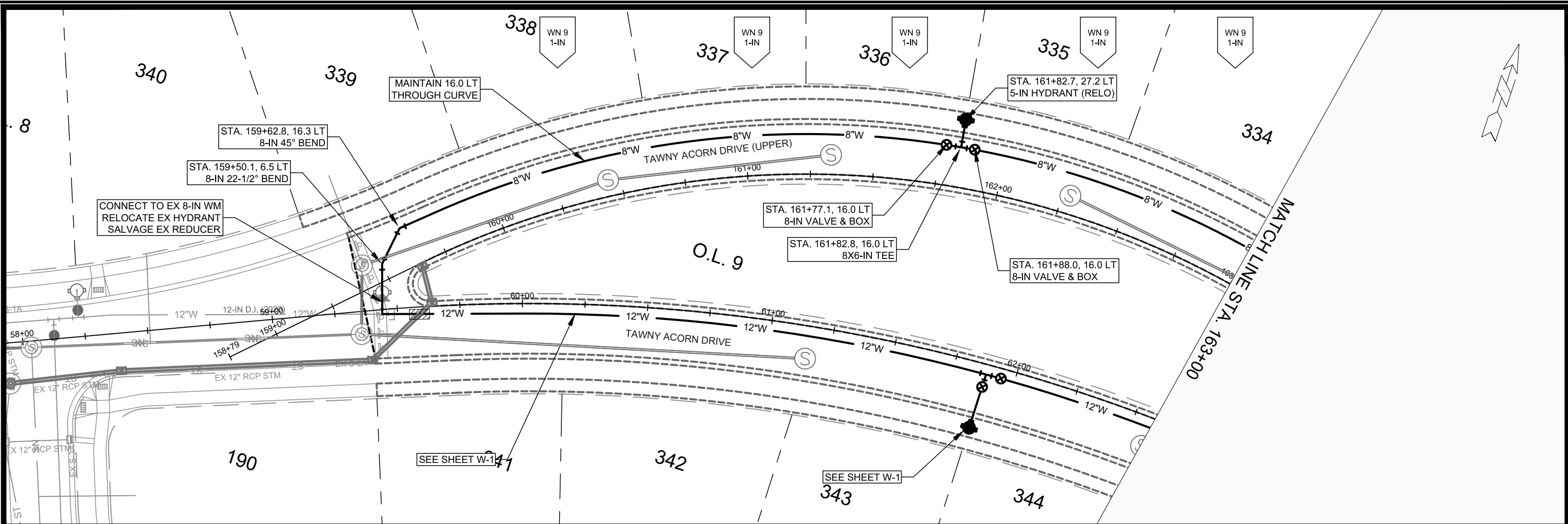


13208	MADISON, WI	8944	CONTRACT NO.:
TAWNY ACORN DRIVE (LOWER)			
1000 OAKS - PHASE 9			
13208			
W-2			

MARK	REVISION	DATE	BY
1	1	2/23/2021	PEH

Designed By: PEH Date: 2/23/2021 3:45 PM Scale: 1" = 40'

W-2

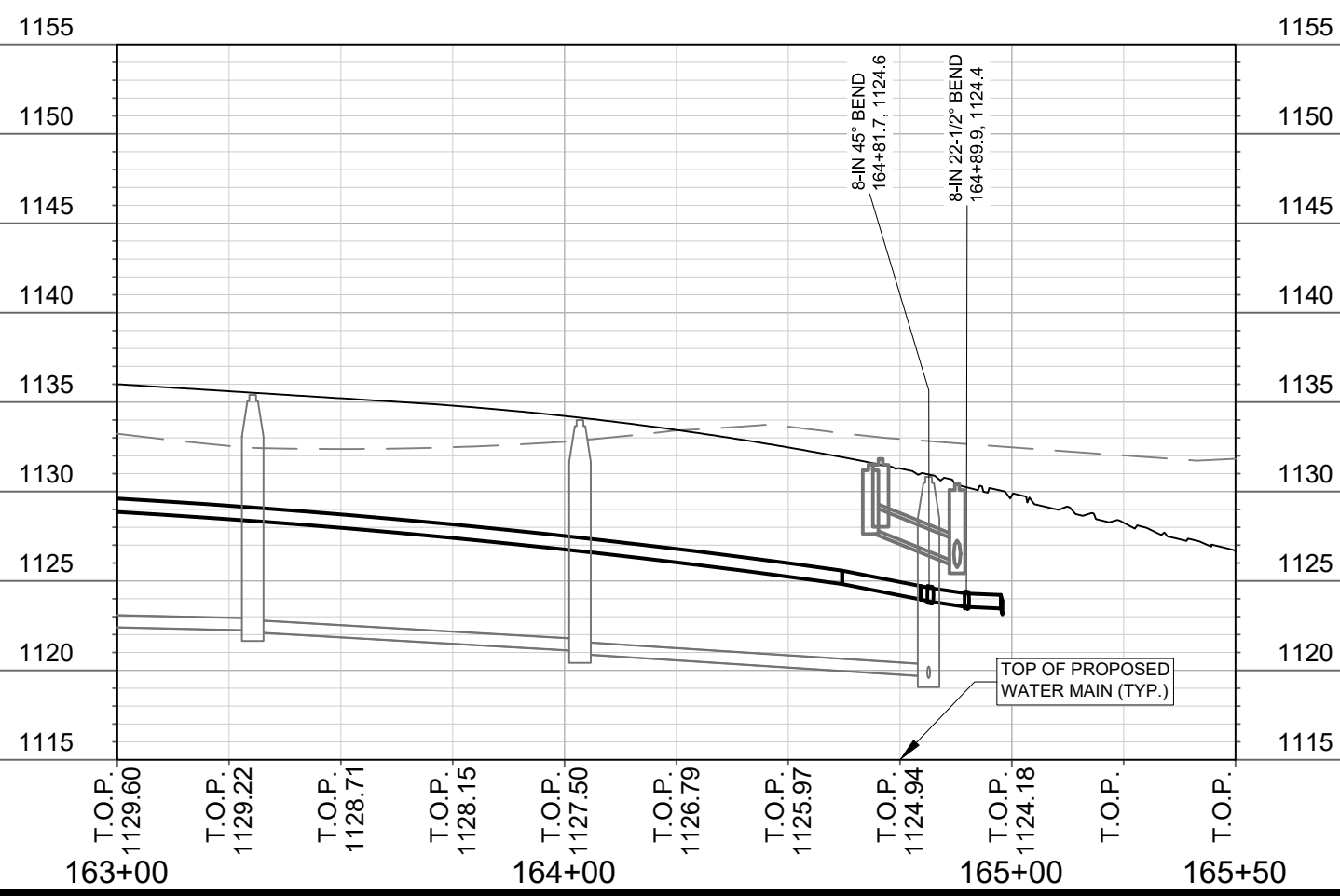
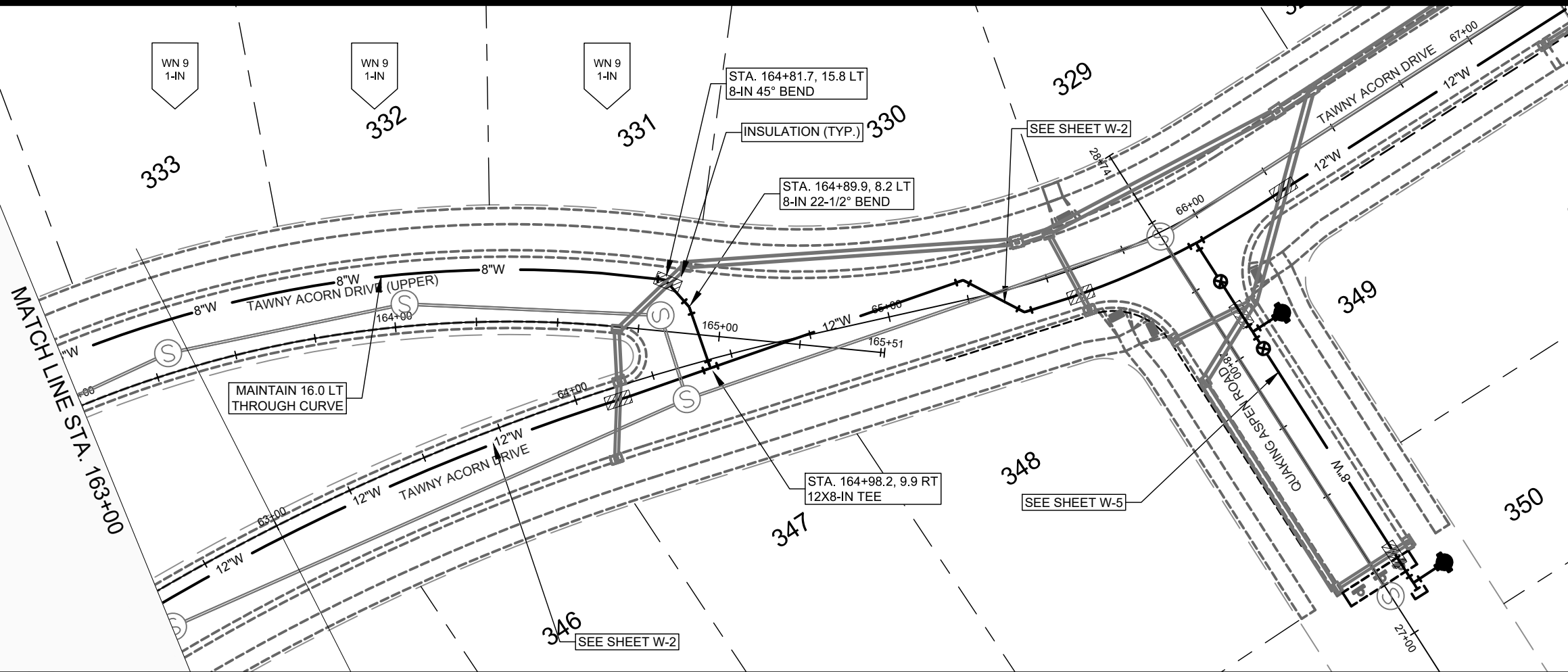
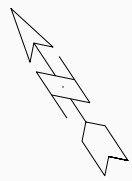


MARK	REVISION	DATE	BY

13208
 MADISON, WI
 8944
 CONTRACT NO.:

TAWNY ACORN DRIVE (UPPER)
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Water\13208WU-Water.dwg

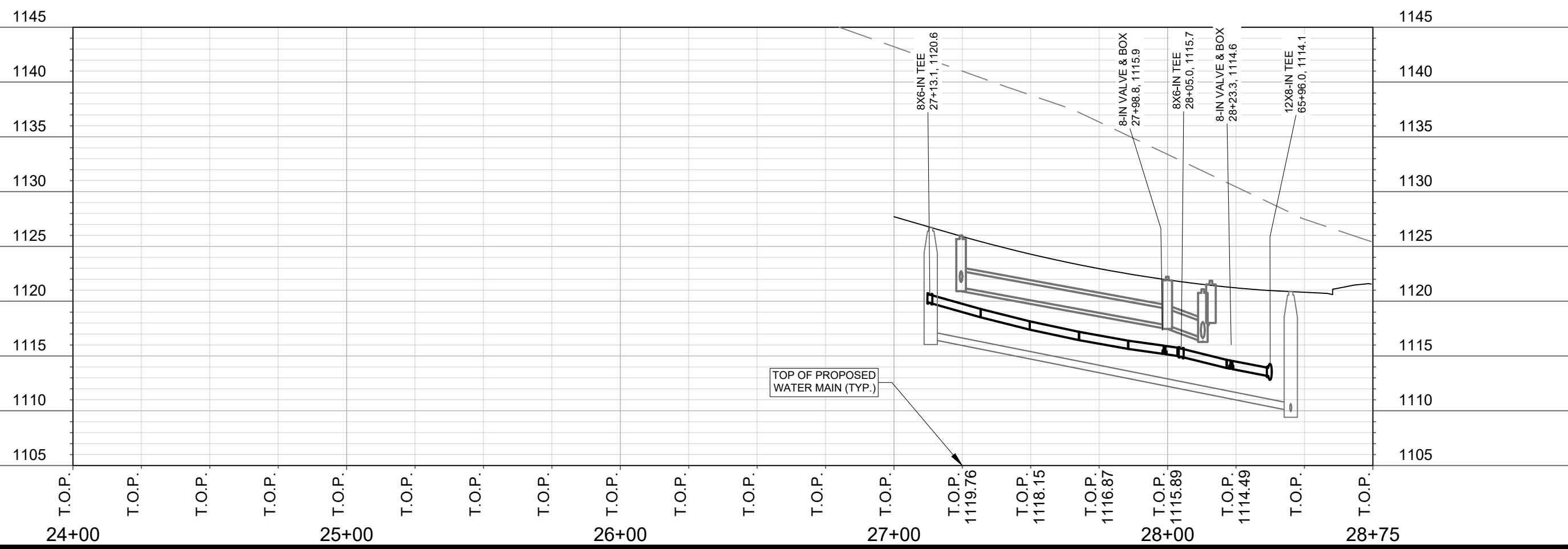
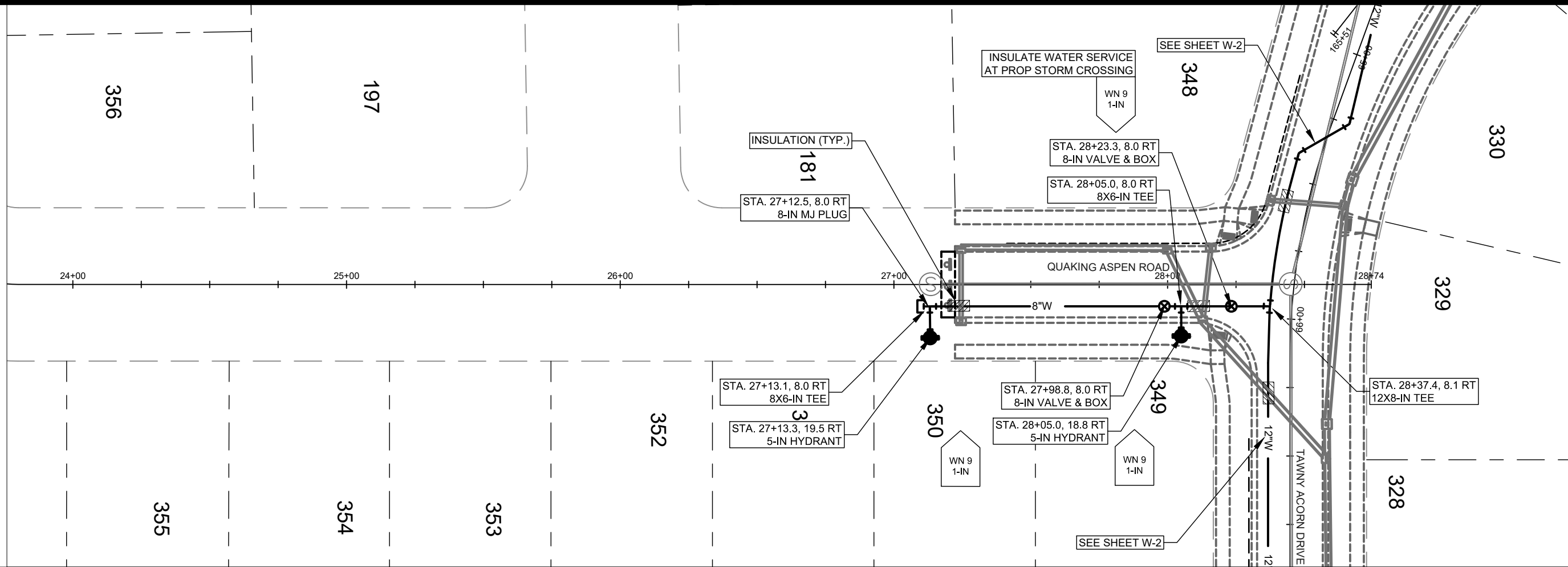
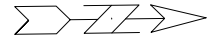
13208
 W-3



MARK	REVISION	DATE	BY

13208
MADISON, WI
8944
CONTRACT NO:

TAWNY ACORN DRIVE (UPPER)
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Water\13208WU-Water.dwg



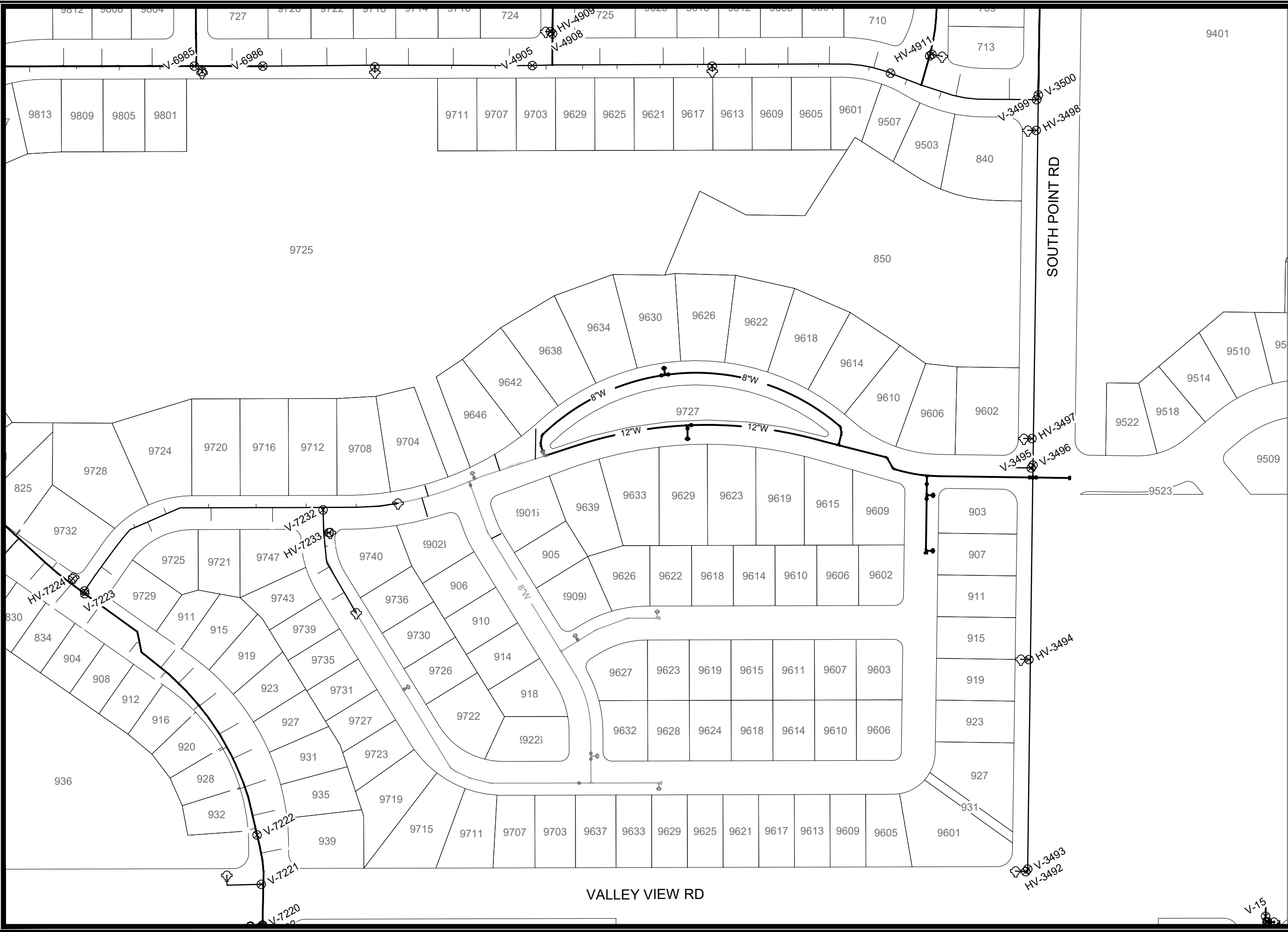
MARK	REVISION	DATE	BY
13208	13208	11/17/2020 8:03 AM	W-5

13208
MADISON, WI
8944
CONTRACT NO:

QUAKING ASPEN ROAD
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Water\13208WU-Water.dwg



13208
W-5



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: #####
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 10/15/2020

CONTRACT NO: 8944

1000 OAKS - PHASE 9
 WATER IMPACT PLAN
 CITY OF MADISON, WISCONSIN



13208
 W-6

CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM SEWER 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 REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

(VACANT)

WATER UTILITY ULO SCHEDULE

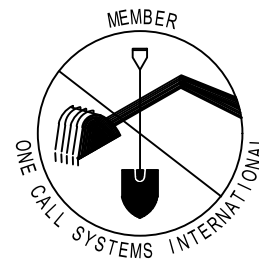
ESTIMATE OF NEW MATERIALS*

DESCRIPTION	QUANTITY	UNIT
6-INCH PIPE	60	LNFT
8-INCH PIPE	740	LNFT
12-INCH PIPE	900	LNFT
6-INCH WATER VALVE	1	EACH
8-INCH WATER VALVE	4	EACH
12-INCH WATER VALVE	3	EACH
5-IN HYDRANT	3	EACH
1-INCH SERVICE LATERALS	21	EACH
STYROFOAM INSULATION	104	LNFT
8-IN MJ PLUG	2	EACH
12-IN MJ CAP	1	EACH
12-IN SOLID SLEEVE	1	EACH
8-IN 22-1/2° BEND	2	EACH
8-IN 45° BEND	2	EACH
12-IN 45° BEND	2	EACH
8X6-IN TEE	3	EACH
12X6-IN TEE	1	EACH
12X8-IN TEE	2	EACH
12X12-IN CROSS	1	EACH

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.



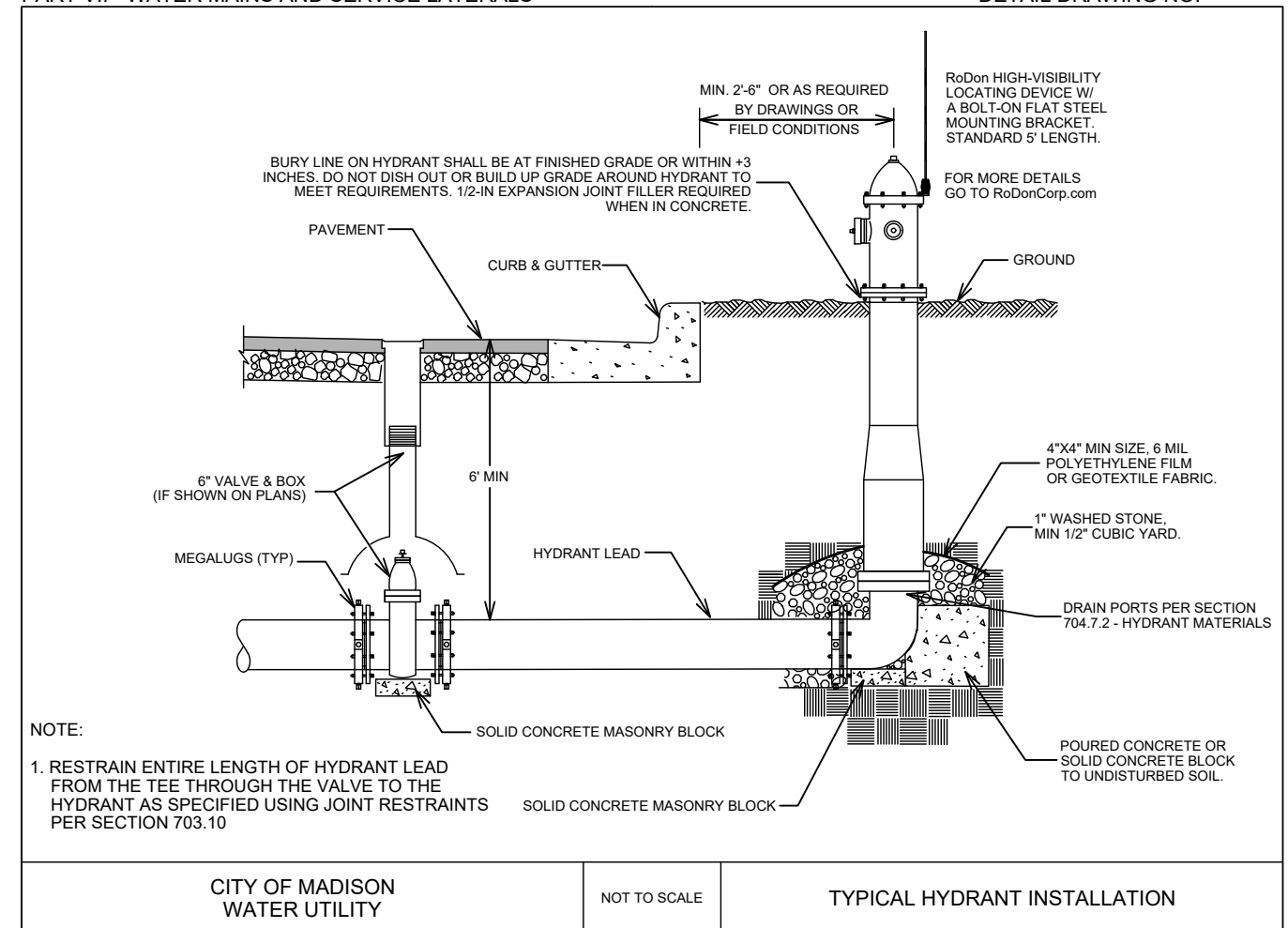
ESTIMATE OF REUSED AND SALVAGED MATERIALS*

DESCRIPTION	QUANTITY	TYPE
5-IN HYDRANT	1	REUSE
8X6-IN REDUCER	1	SALVAGE
12X8-IN TEE	1	SALVAGE
12-IN MJ PLUG	1	SALVAGE
8-IN WATER VALVE	1	SALVAGE
8-IN PIPE (LNFT)	40	SALVAGE

* ESTIMATES OF MATERIALS ARE FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04



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: ##-##-####

CONTRACT NO: 8944

1000 OAKS - PHASE 9

WATER ESTIMATE OF MATERIALS

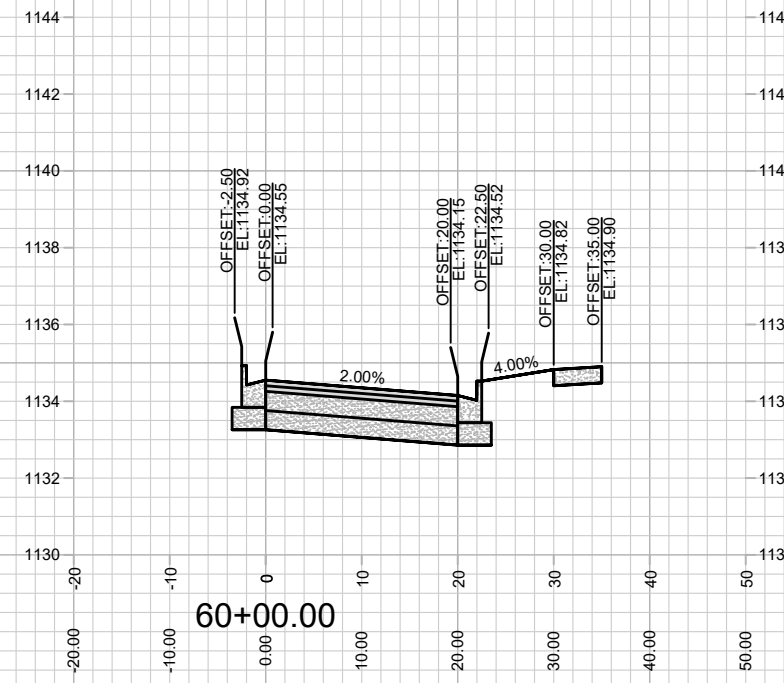
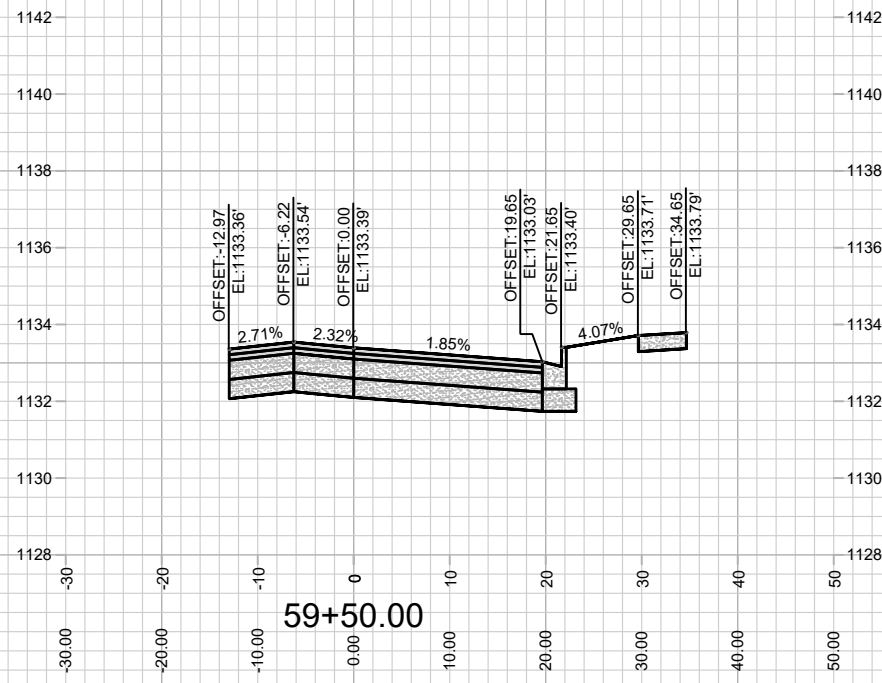
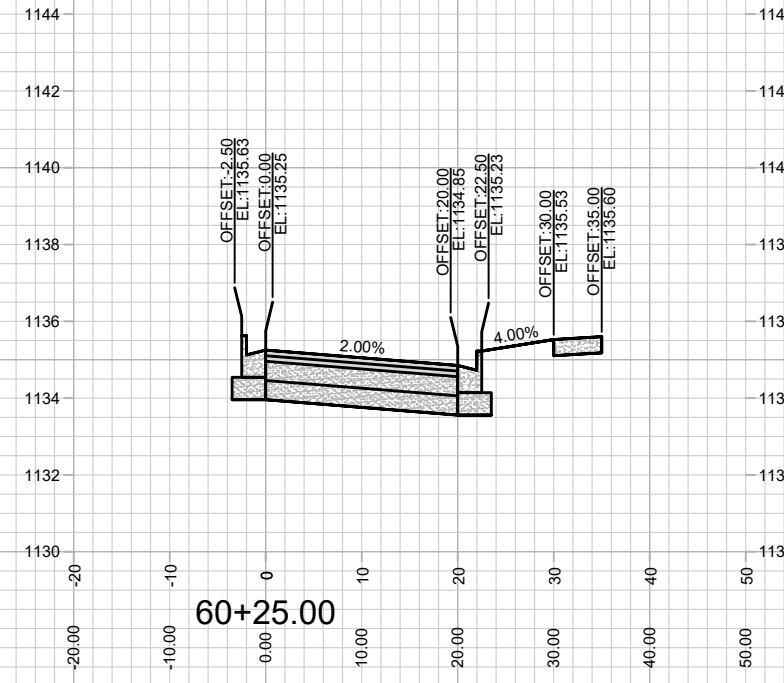
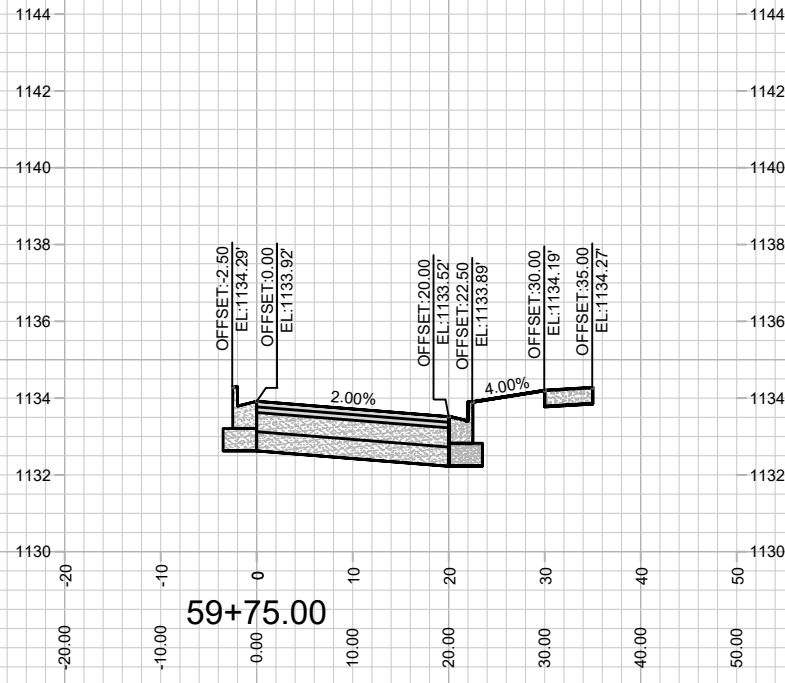
CITY OF MADISON, WISCONSIN



13208

W-7

REV 02/23/2021 JPS
NEW SHEET ADDED FOR
STREET DESIGN



MARK	REVISION	DATE	BY

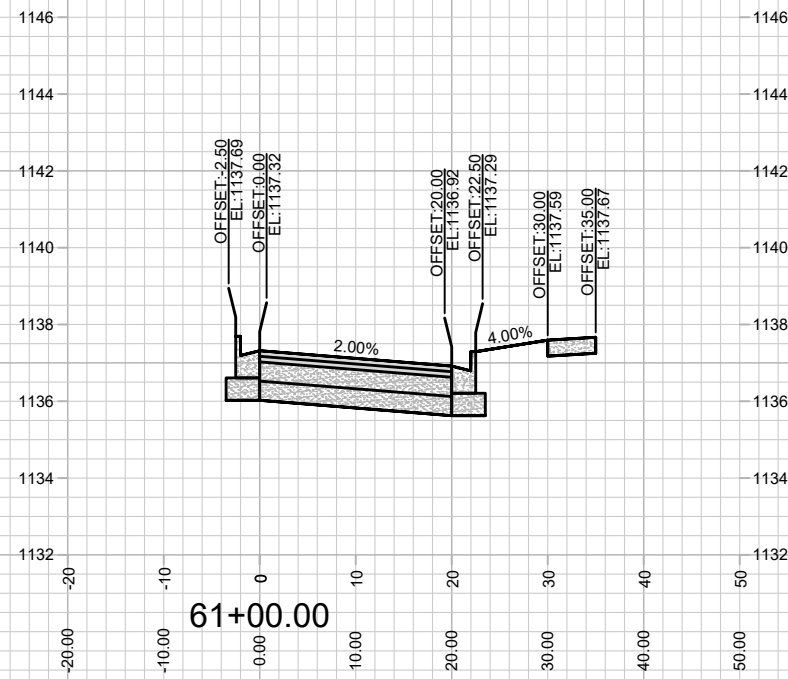
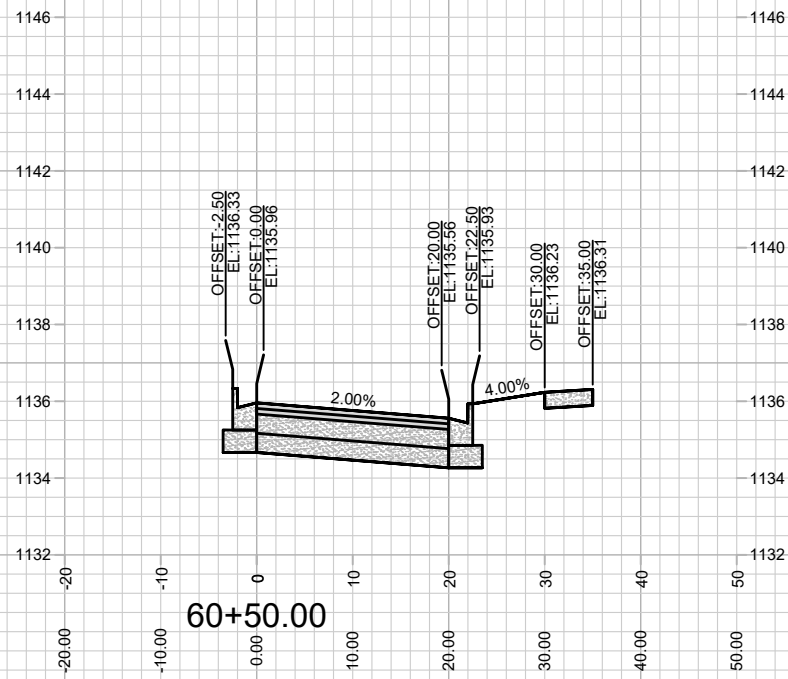
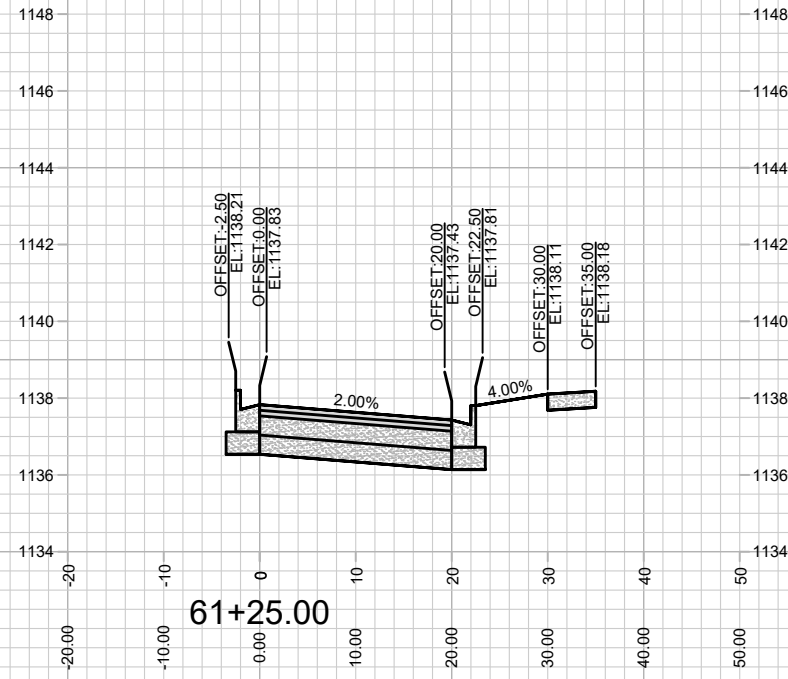
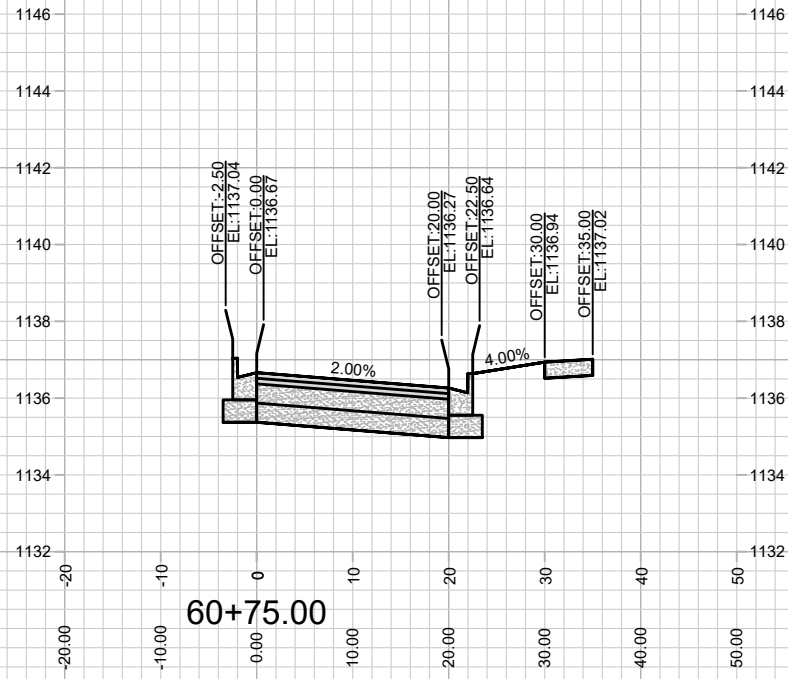
13208
MADISON, WI
8944
CONTRACT NO:

TAWNY ACORN DR - CROSS SECTIONS
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
X-1

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY
13208	Designed By: ###	Date: 3/2/2021 6:46 PM	Scale: #####

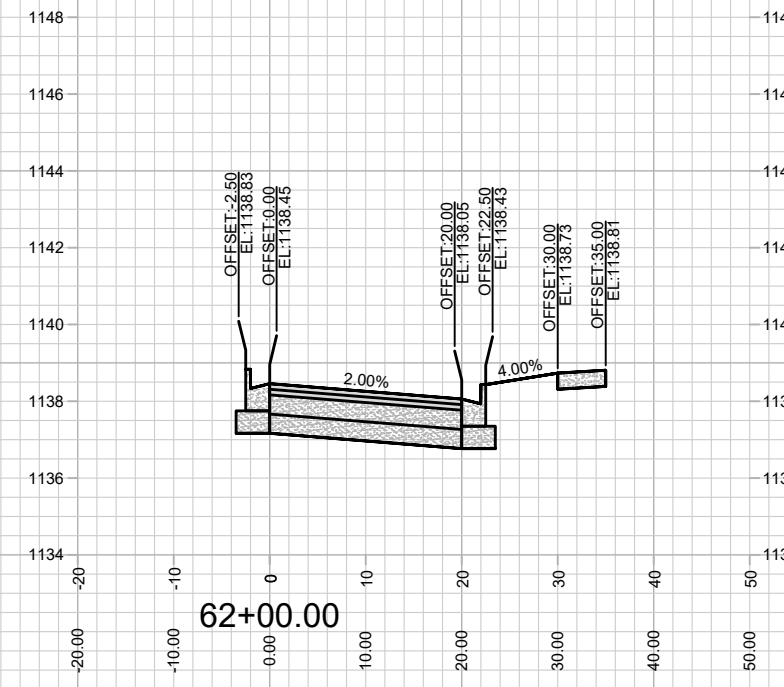
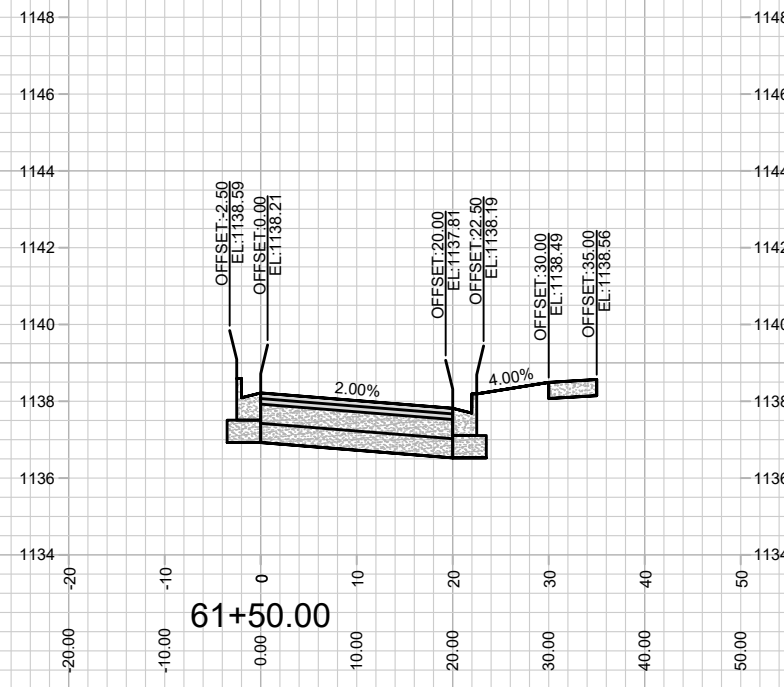
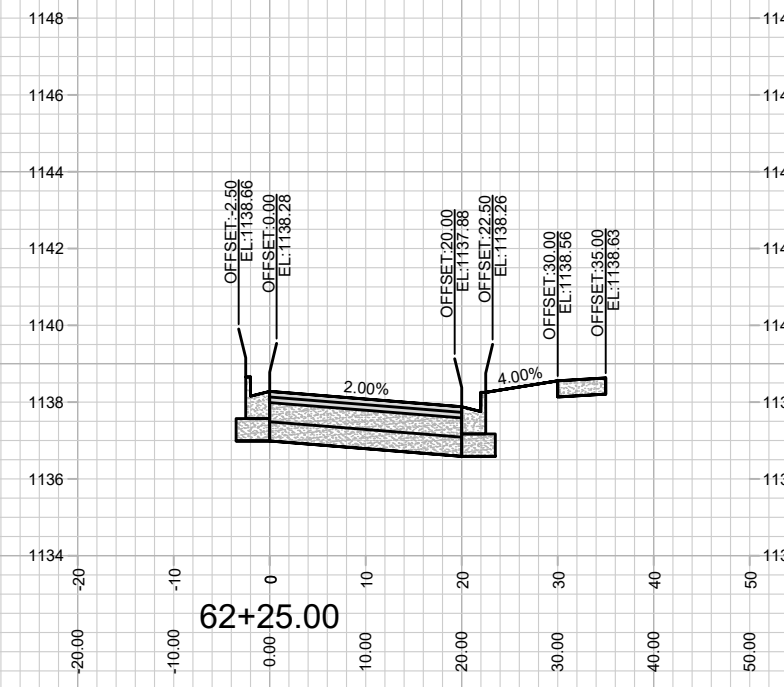
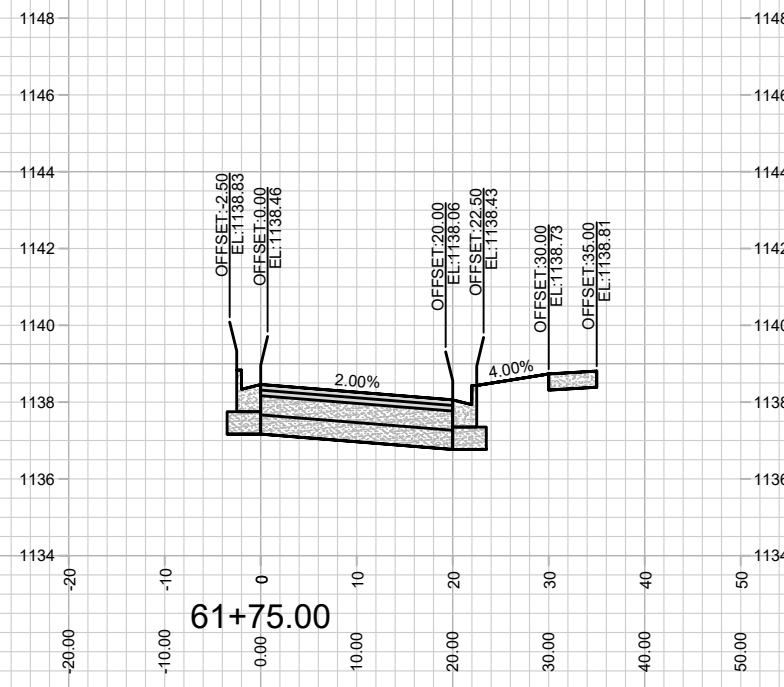
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR - CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-2

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY

Scale: #####

Designed By: #13208
 Date: 3/2/2021 6:46 PM

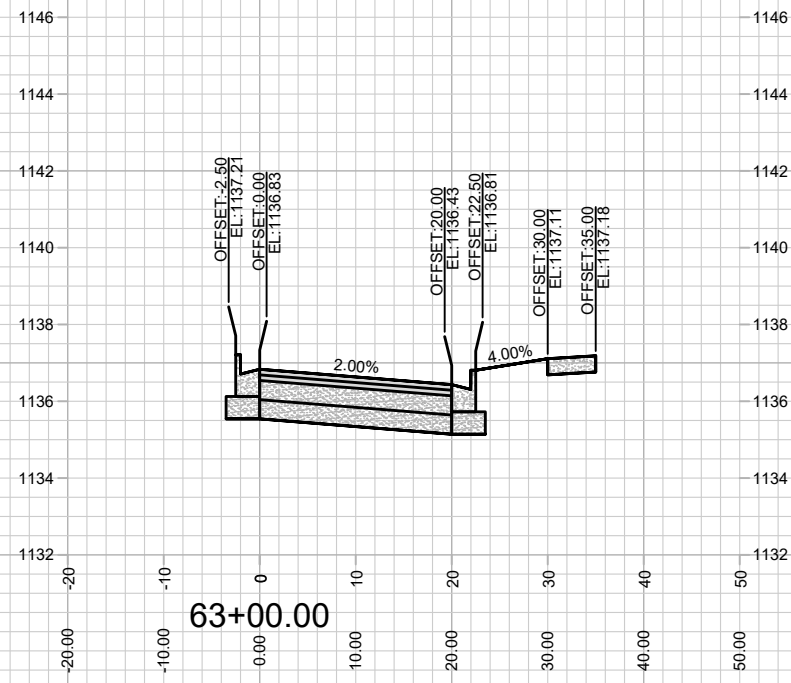
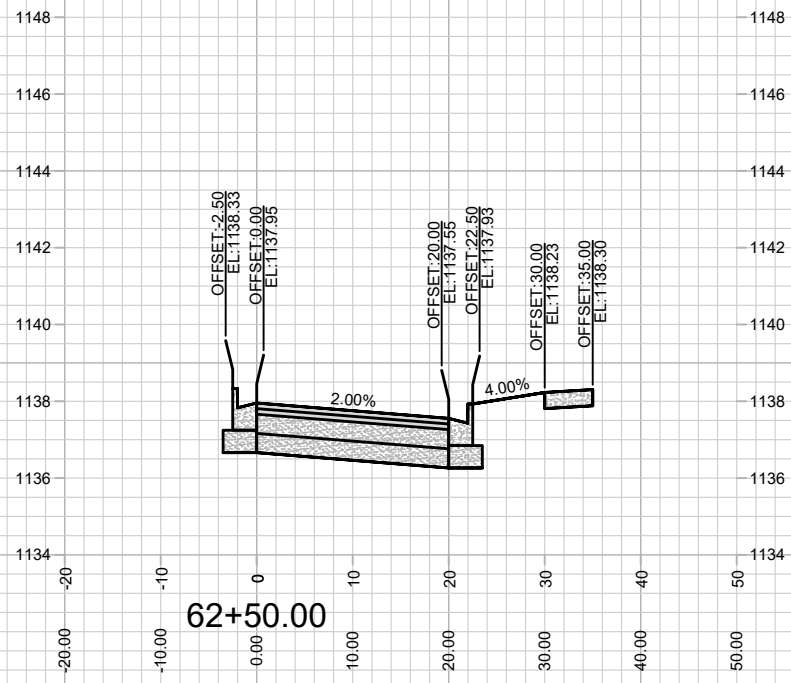
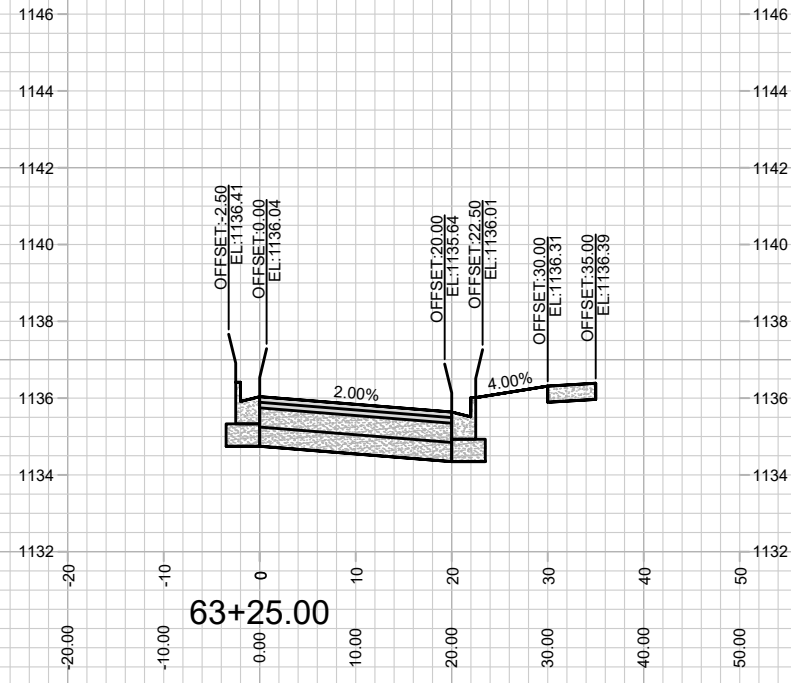
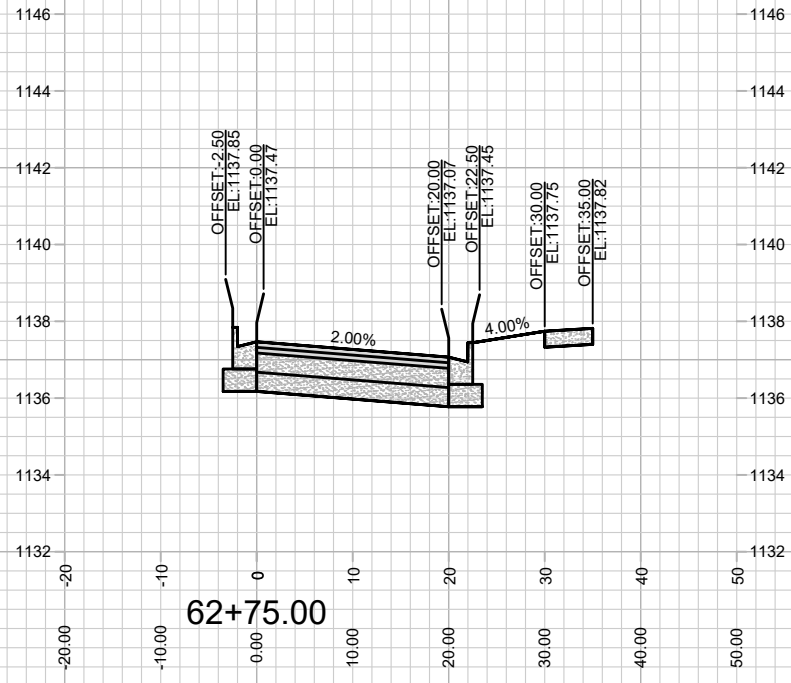
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR - CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-3

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY
13208	Designed By: ###	Date: 3/2/2021 6:46 PM	Scale: #####

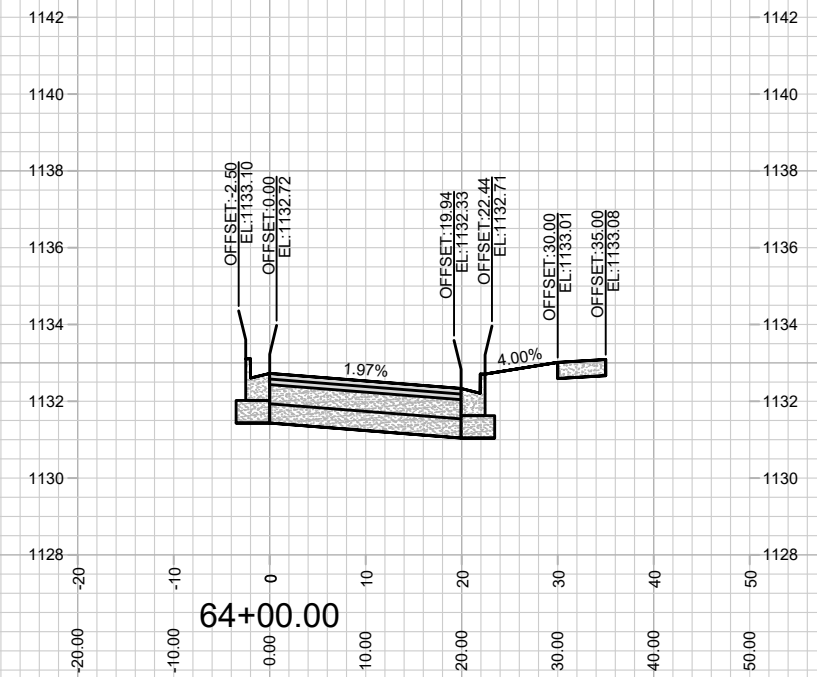
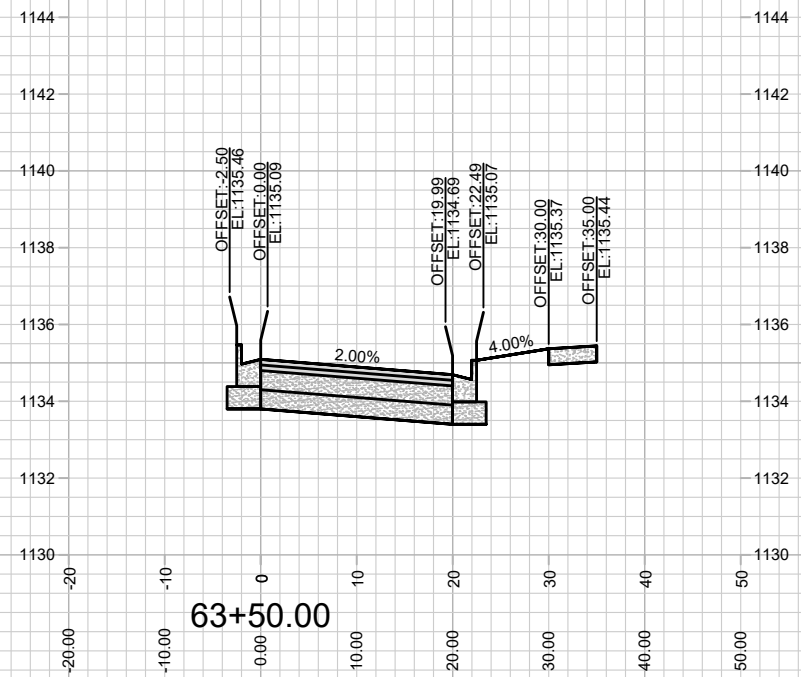
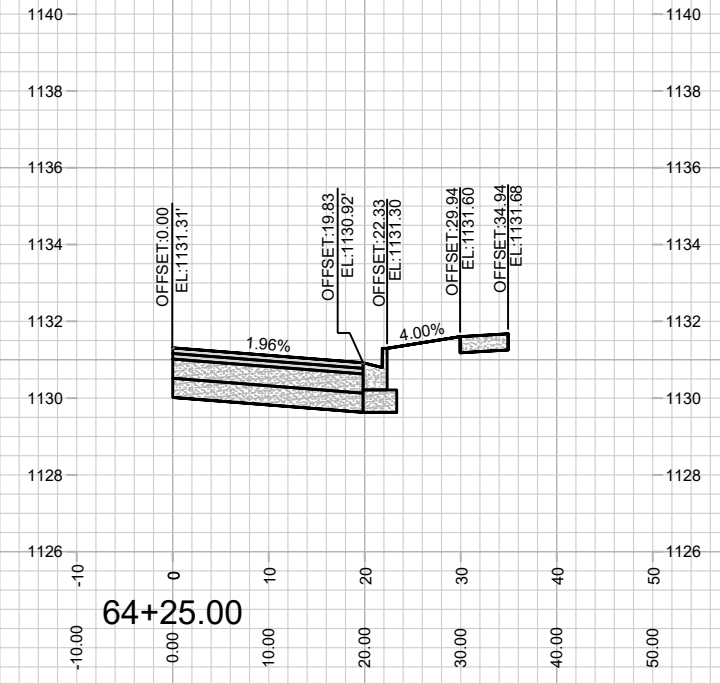
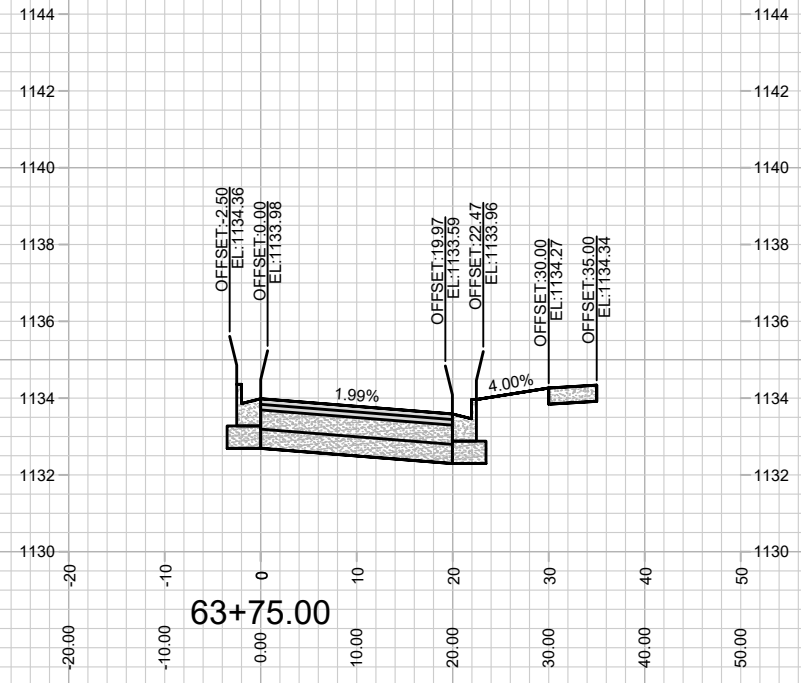
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR - CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-4

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY

Scale: #####

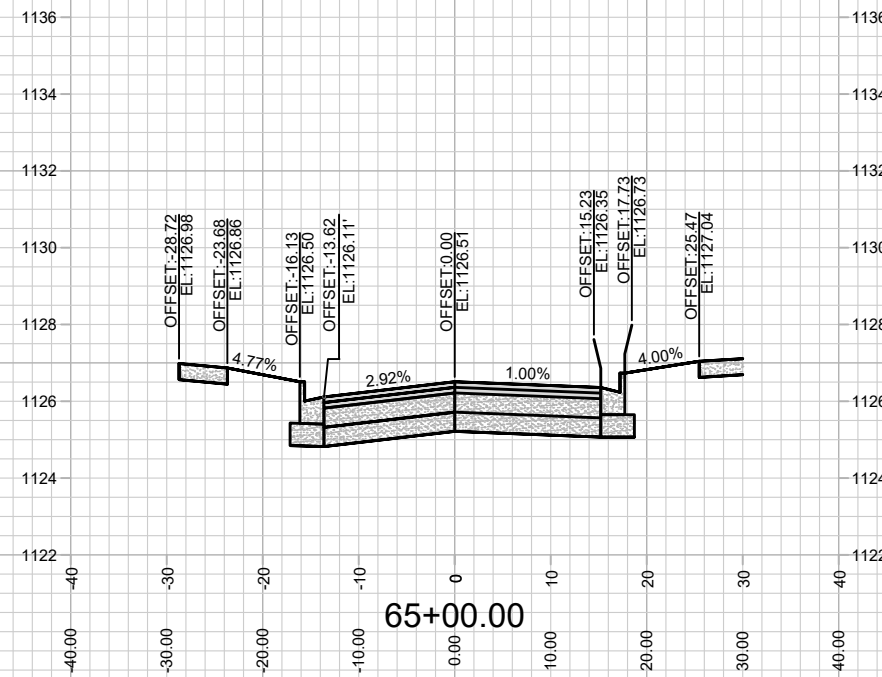
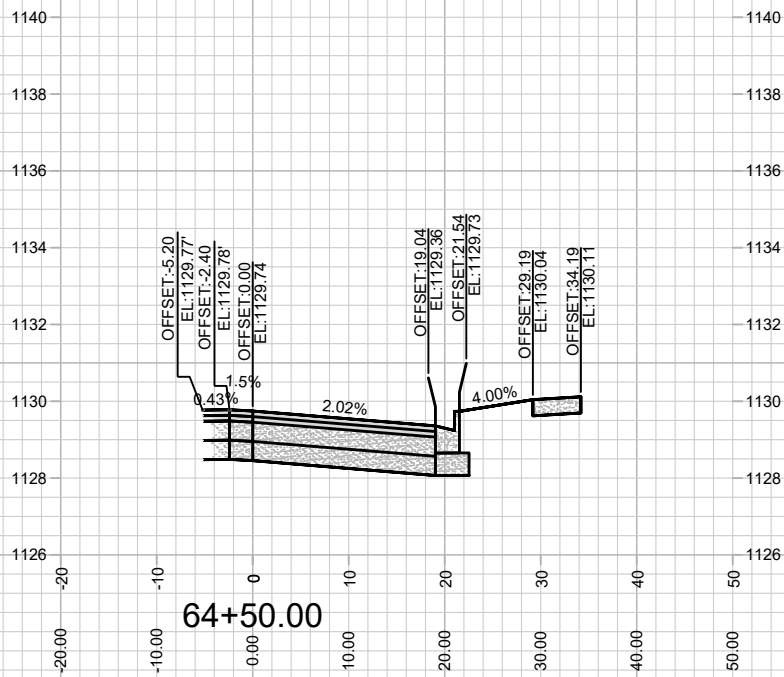
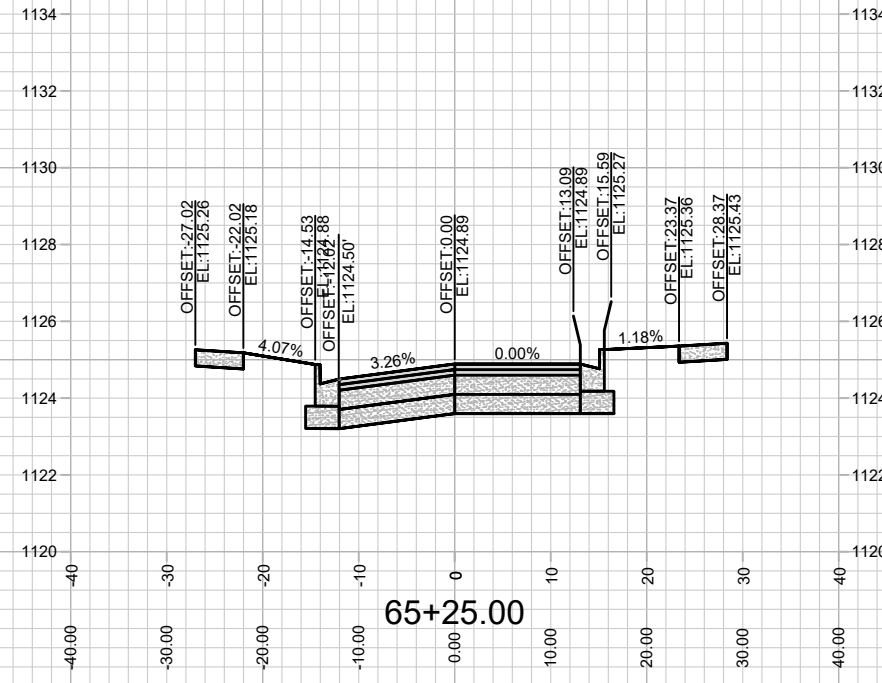
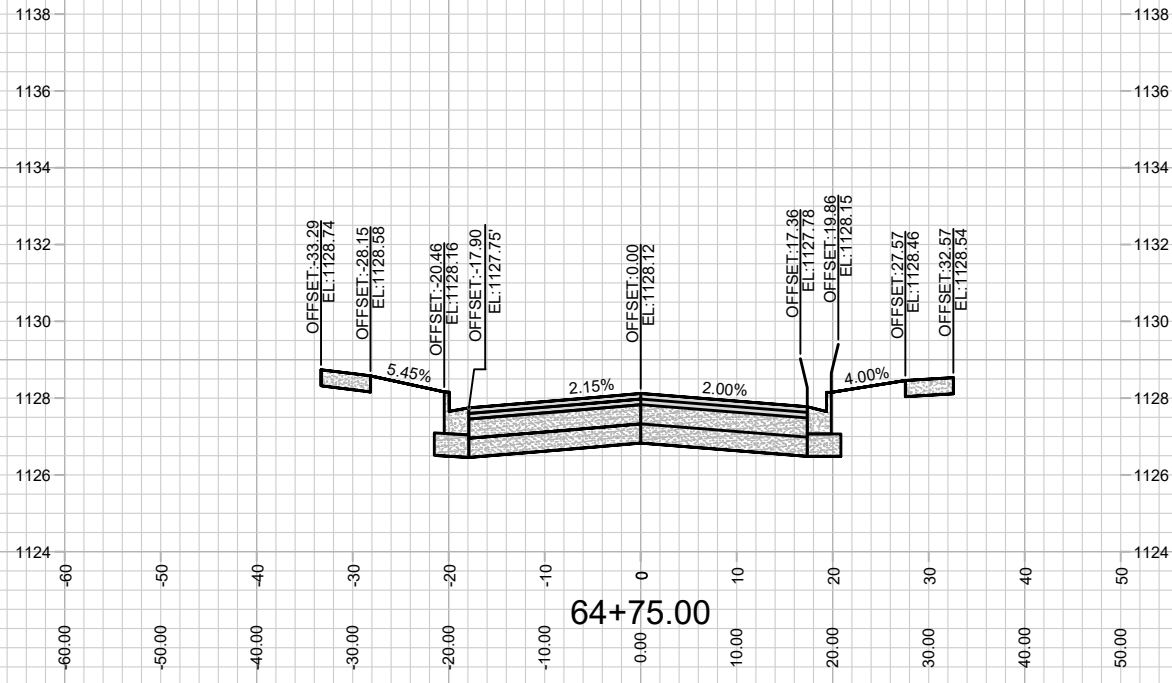
Designed By: ##
 13208

Date: 3/2/2021 6:46 PM

13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR - CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY
13208	Designed By: ###	Date: 3/27/2021 6:46 PM	Scale: #####

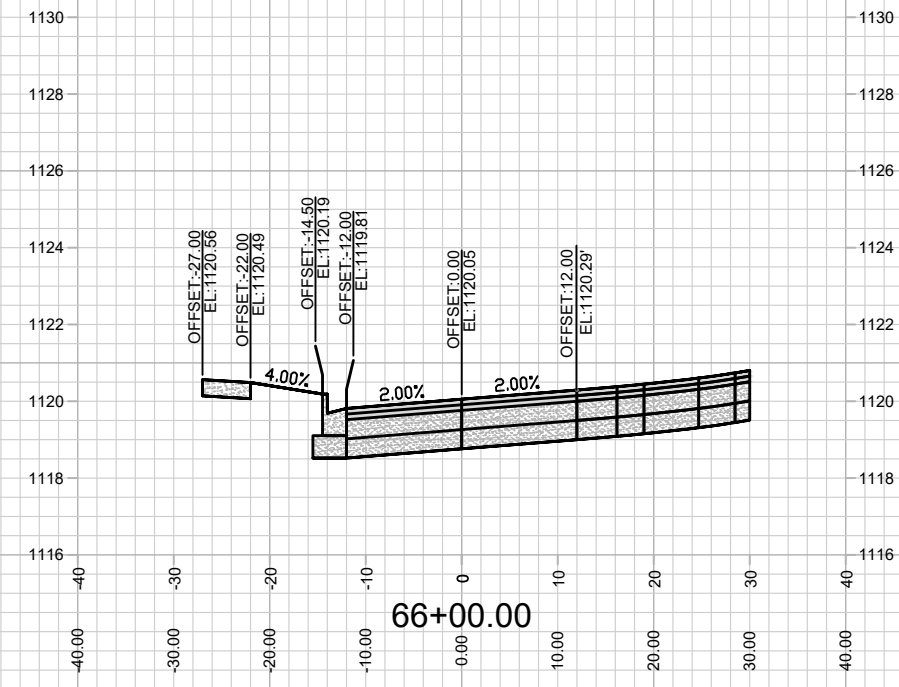
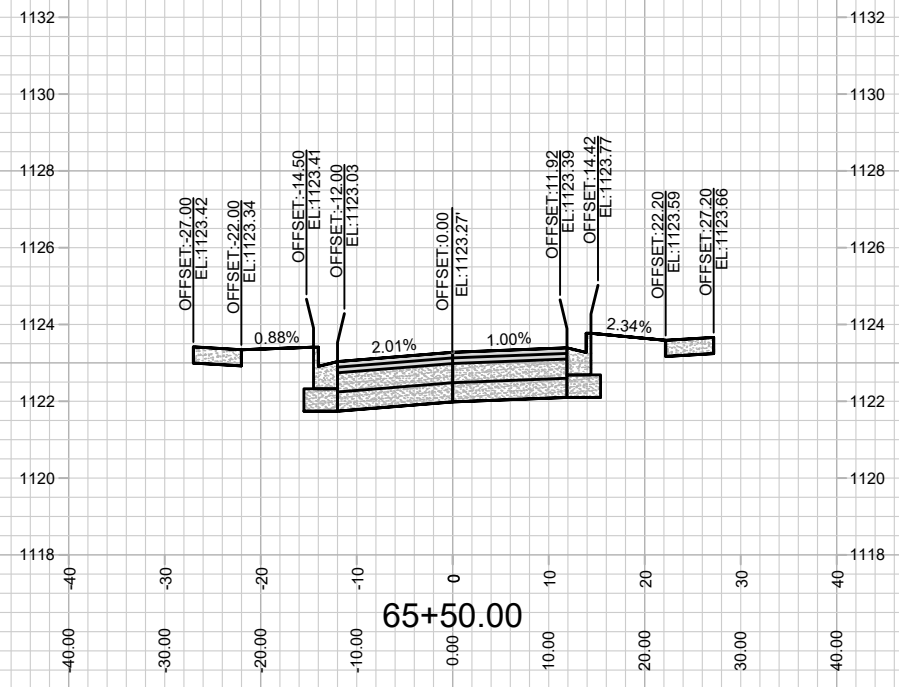
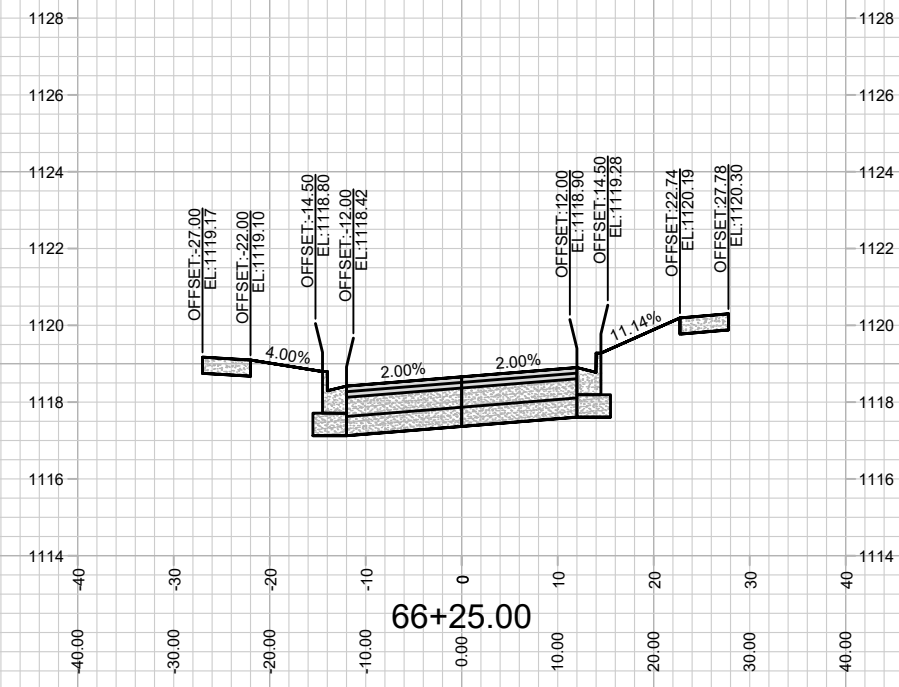
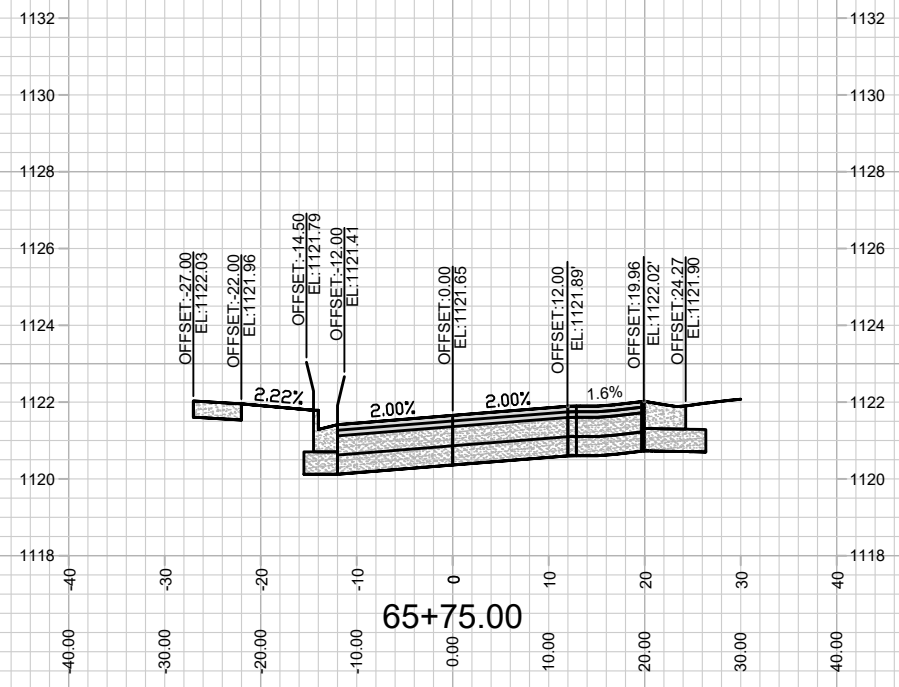
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR - CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-6


REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY
13208	Designed By: ###	Date: 3/27/2021 6:46 PM	Scale: #####
			X-7

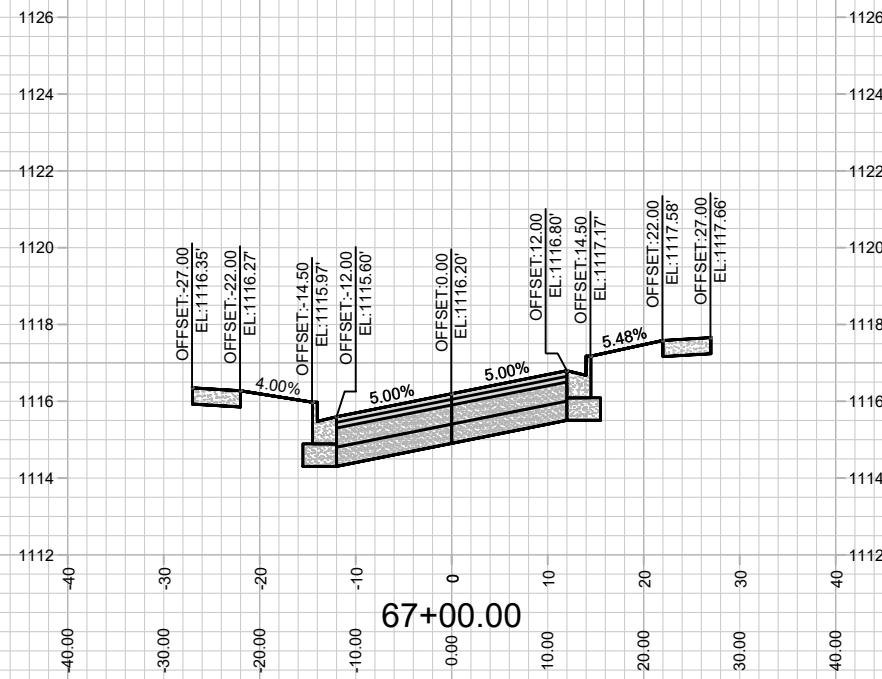
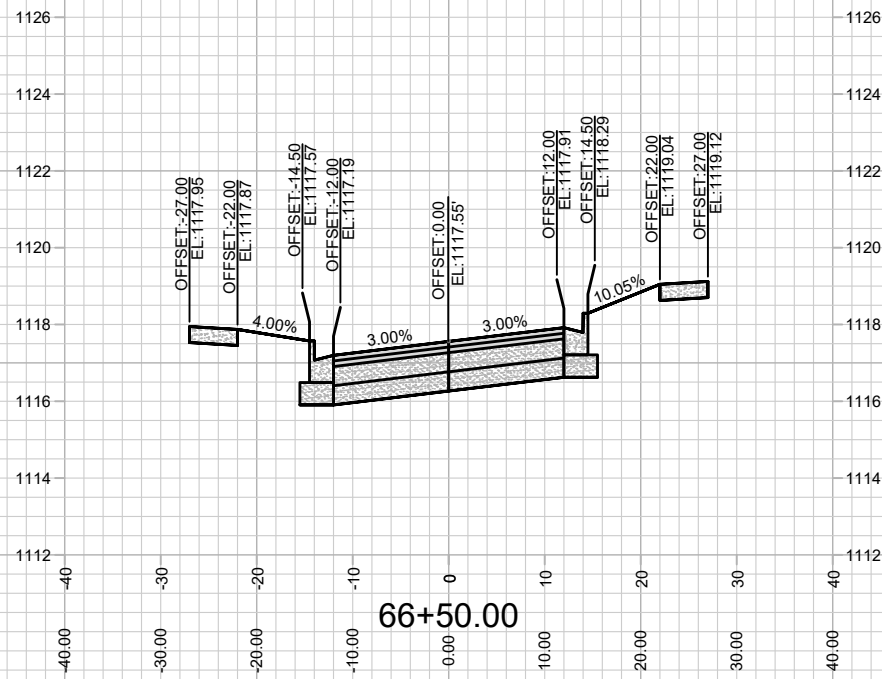
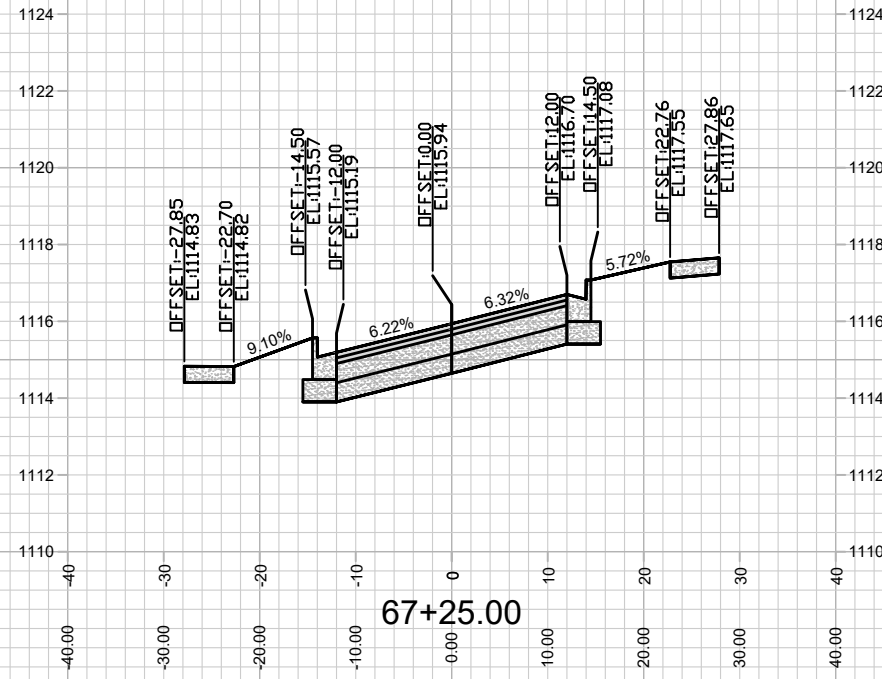
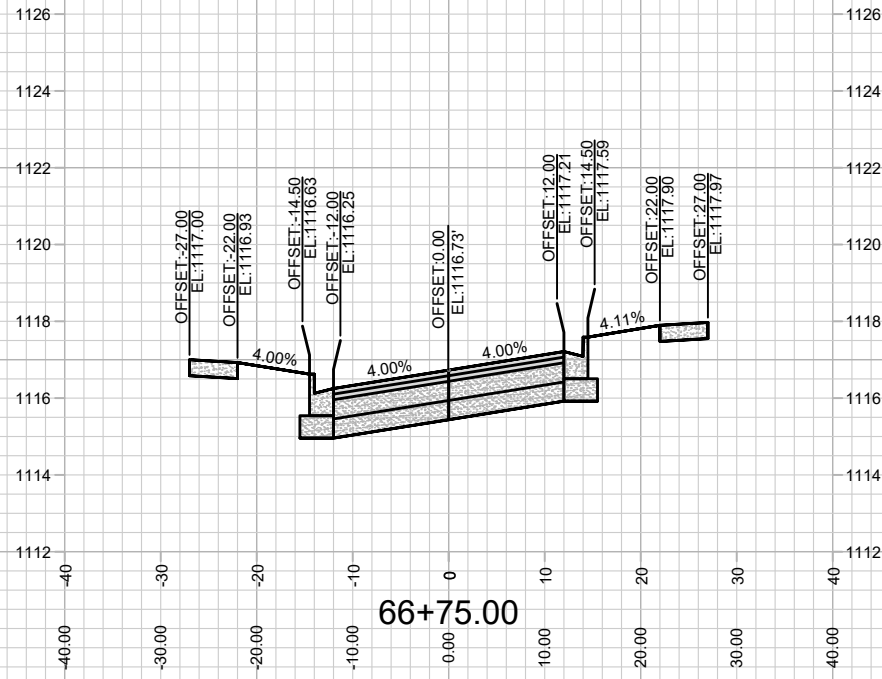
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR - CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-7

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY

Scale: #####
 13208
 X-8

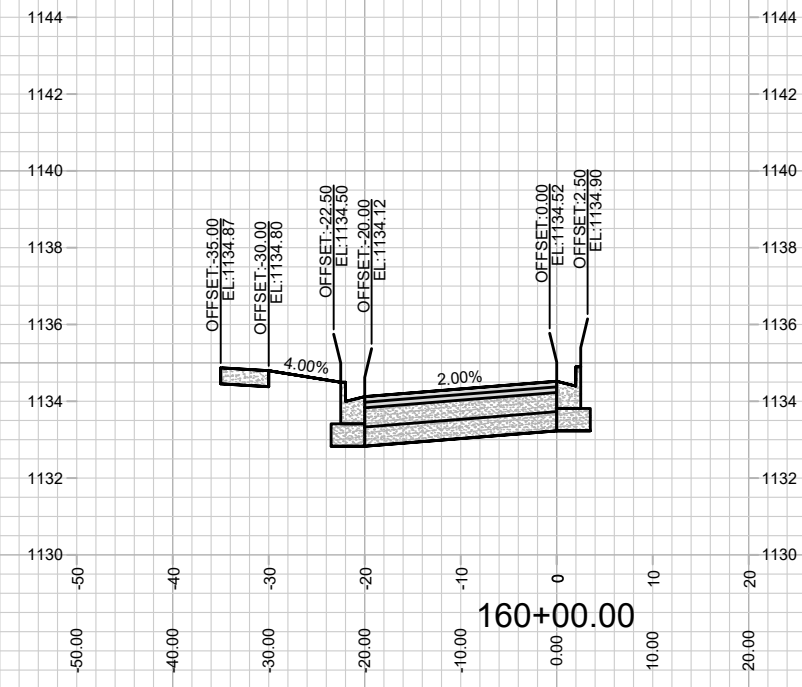
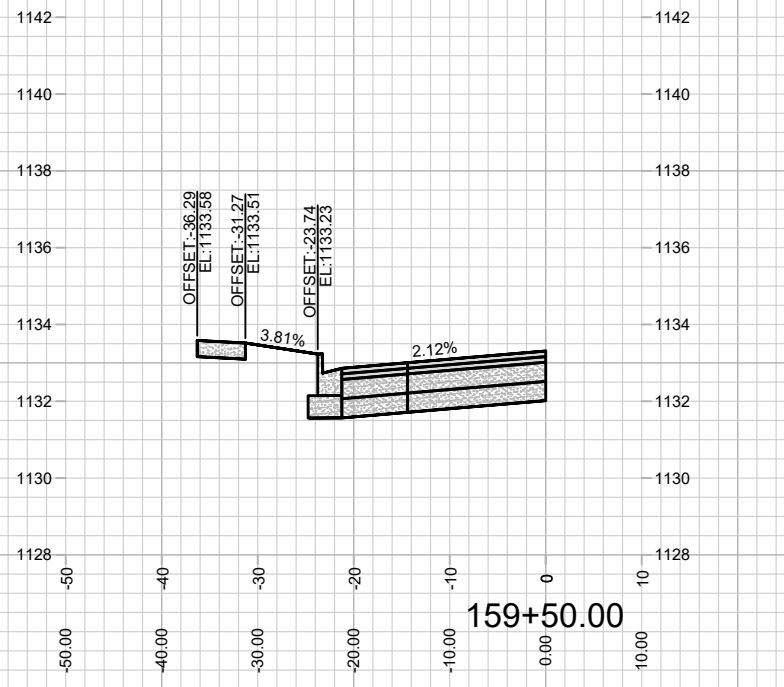
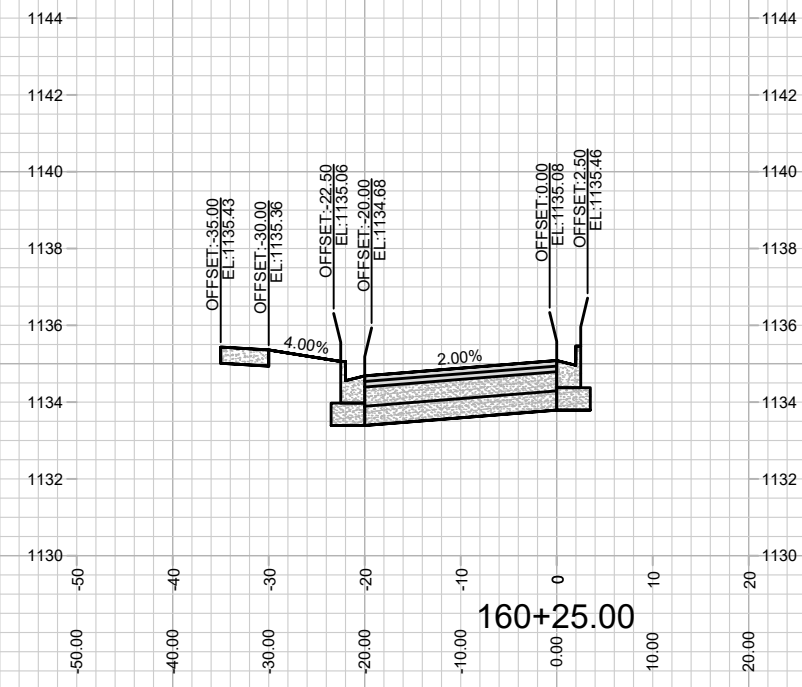
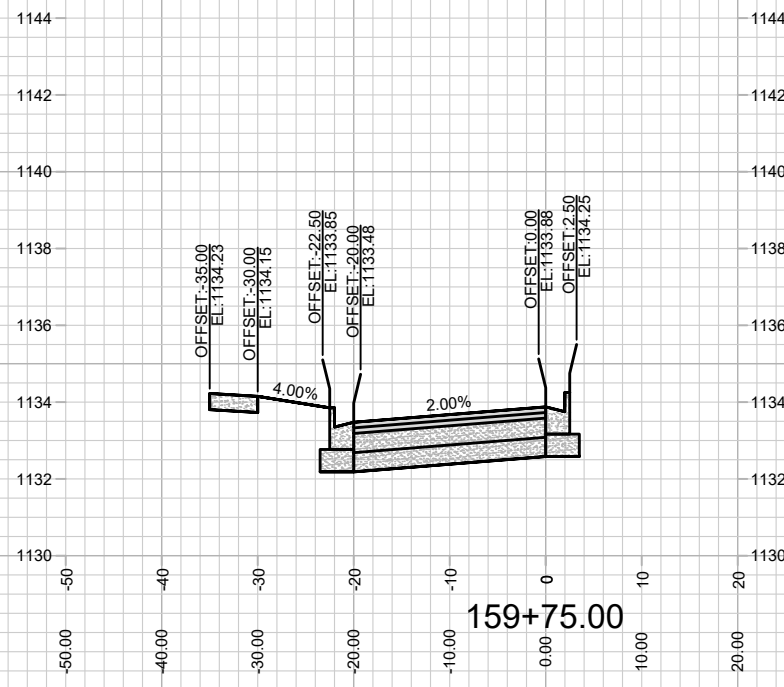
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR - CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-8

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY

Designed By: ### Date: 3/27/2021 6:47 PM Scale: #####

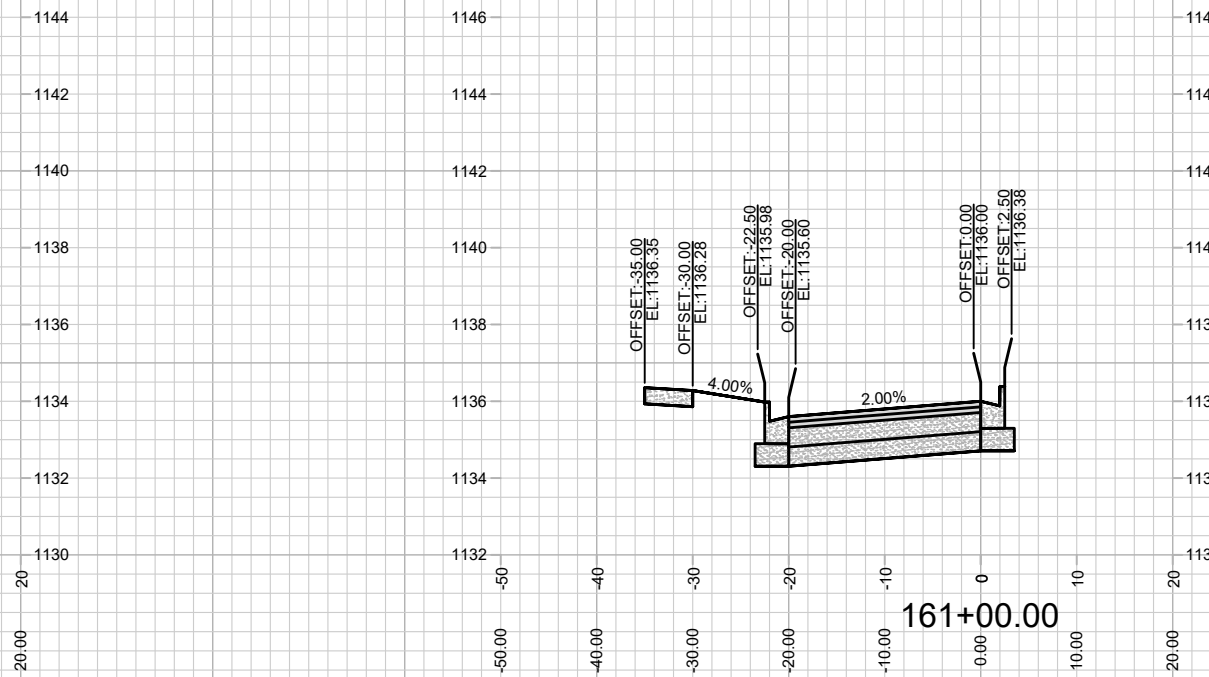
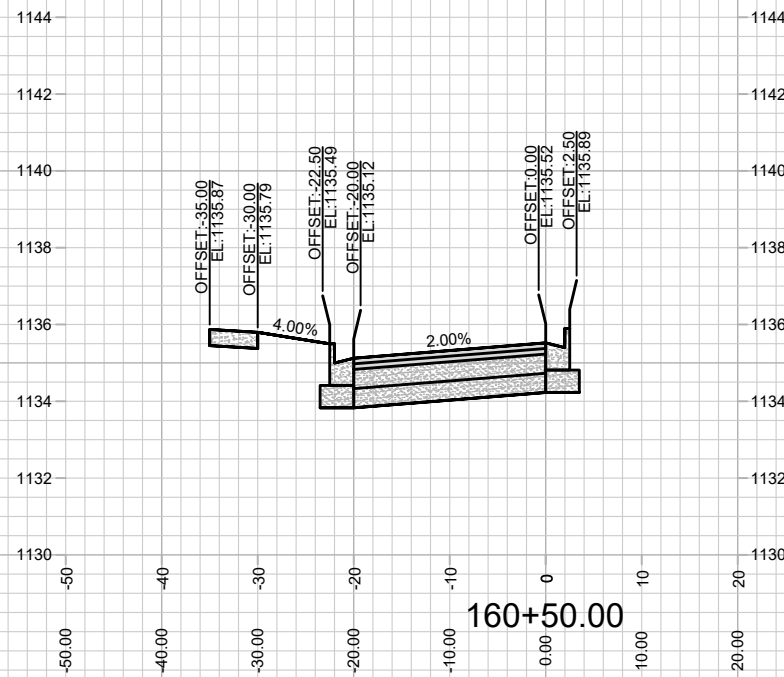
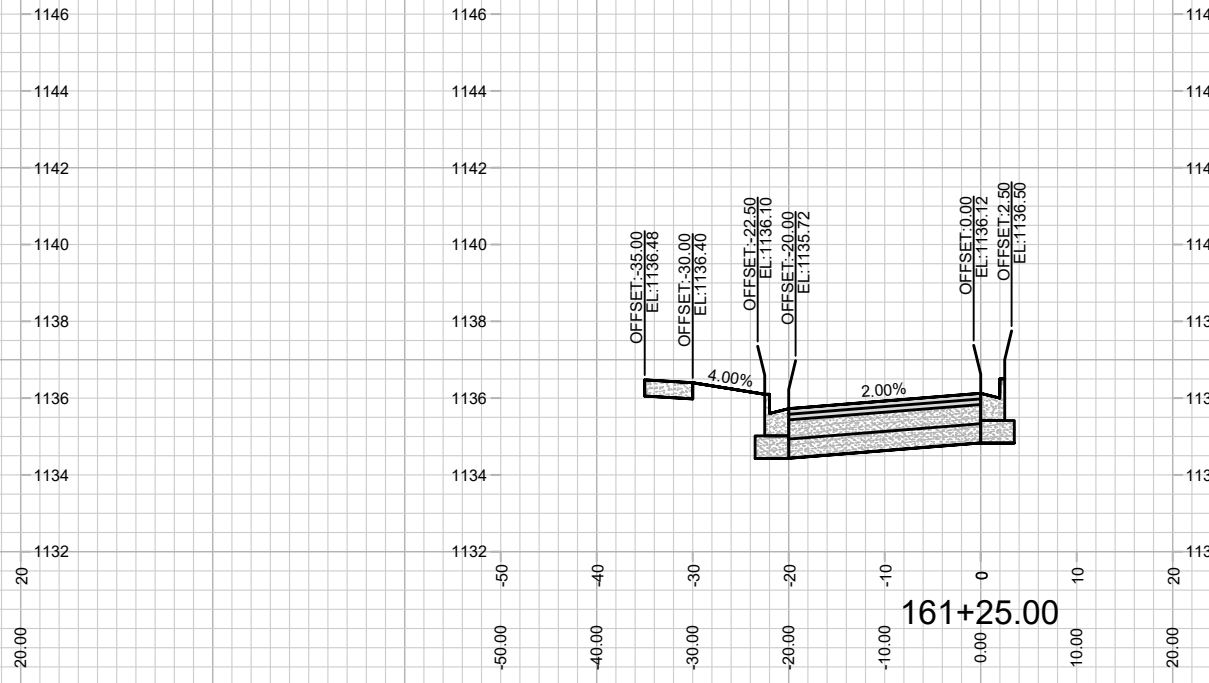
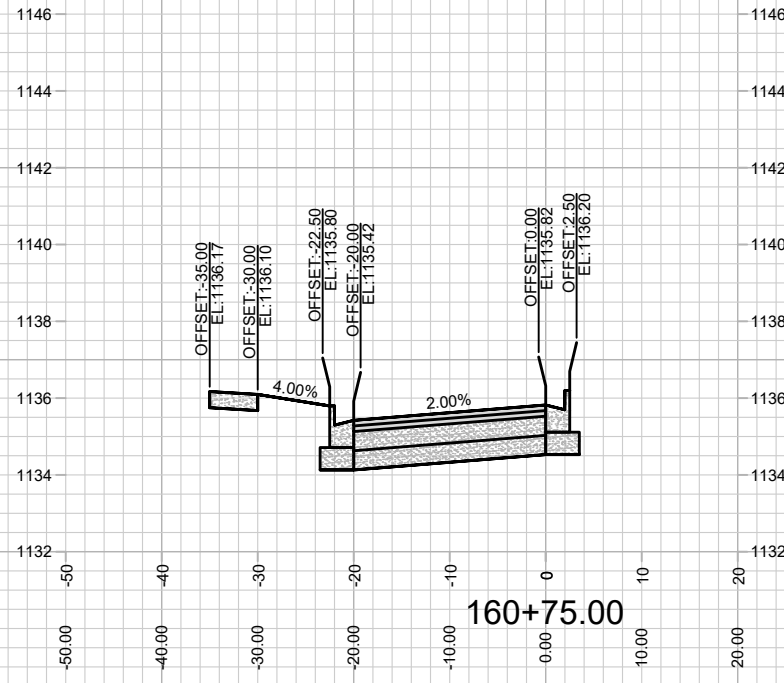
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR UPPER-CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-9

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY

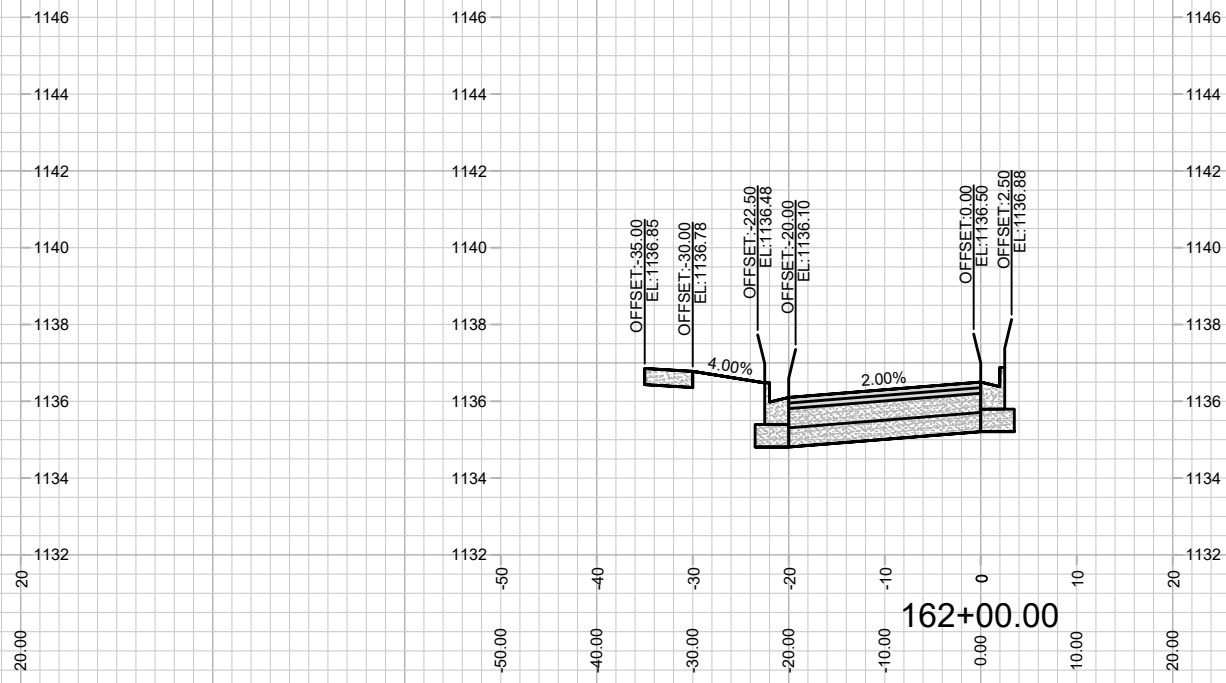
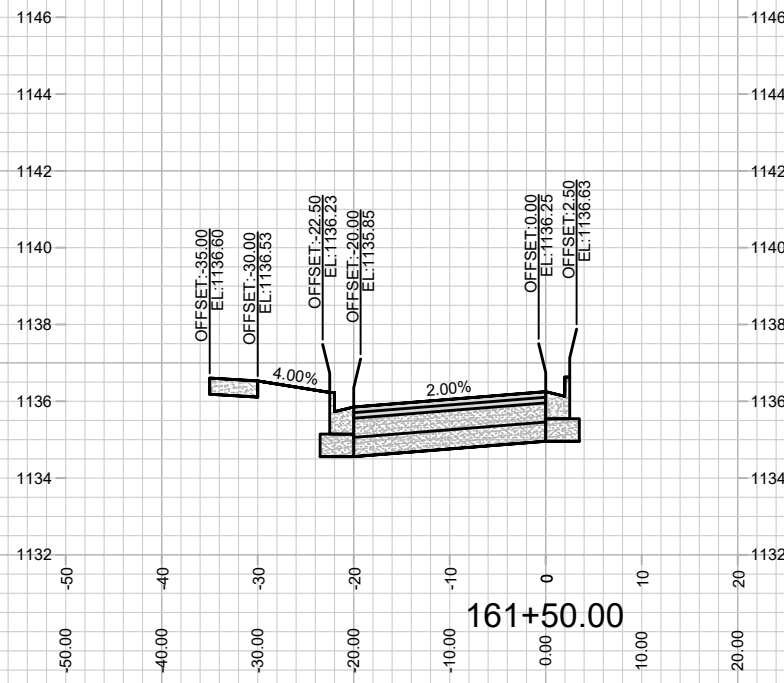
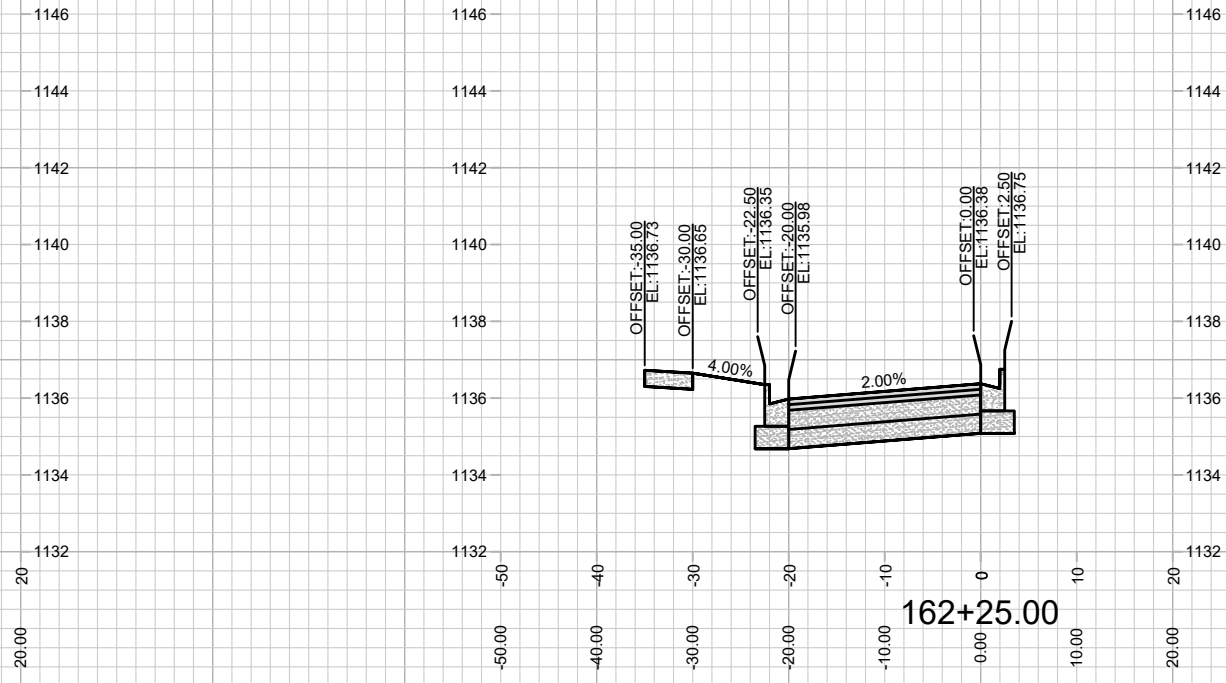
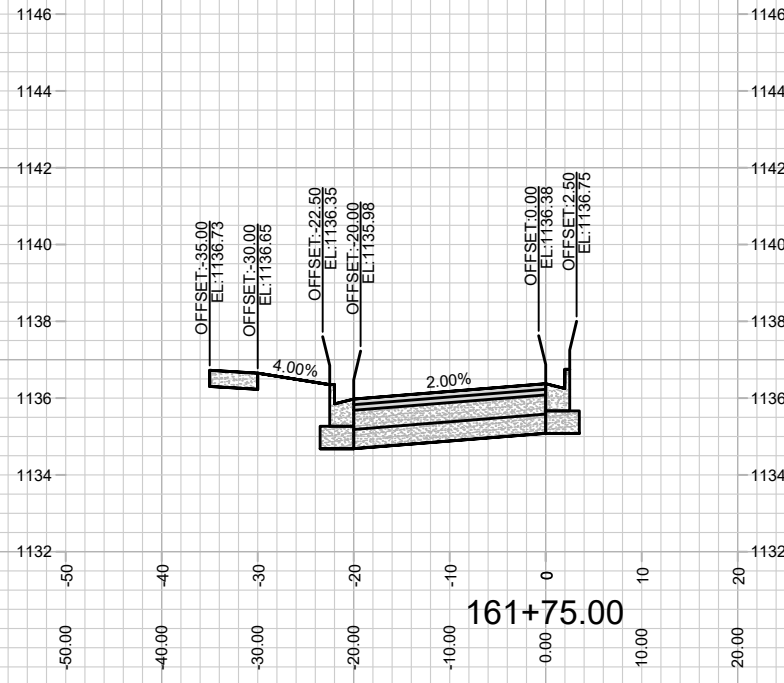
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR UPPER-CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-10

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY
13208	Designed By: ###	Date: 3/2/2021 6:47 PM	Scale: #####
			X-11

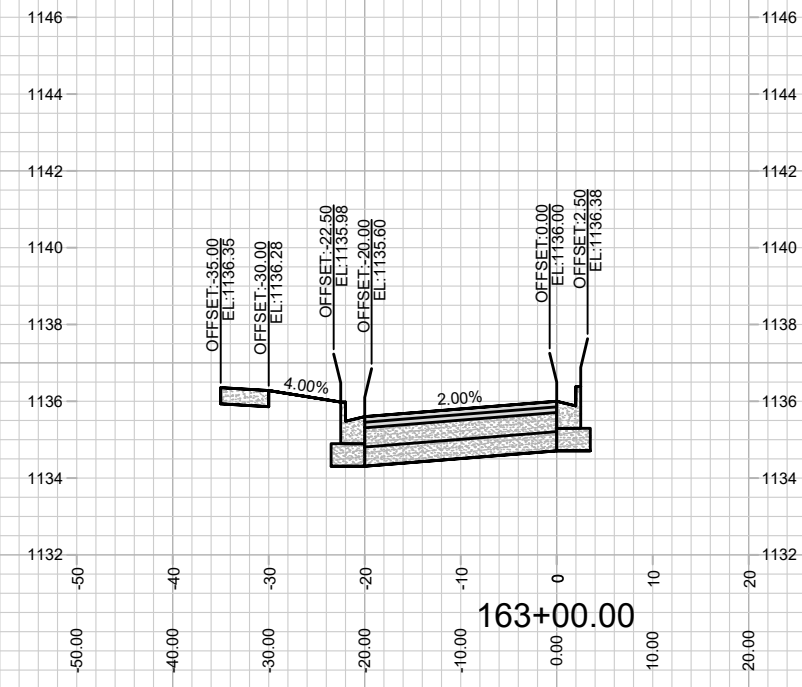
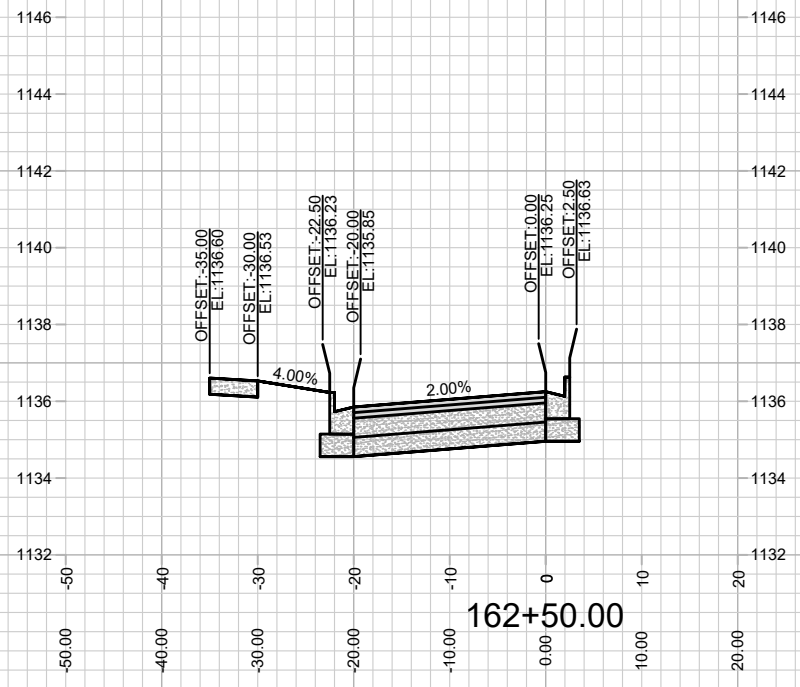
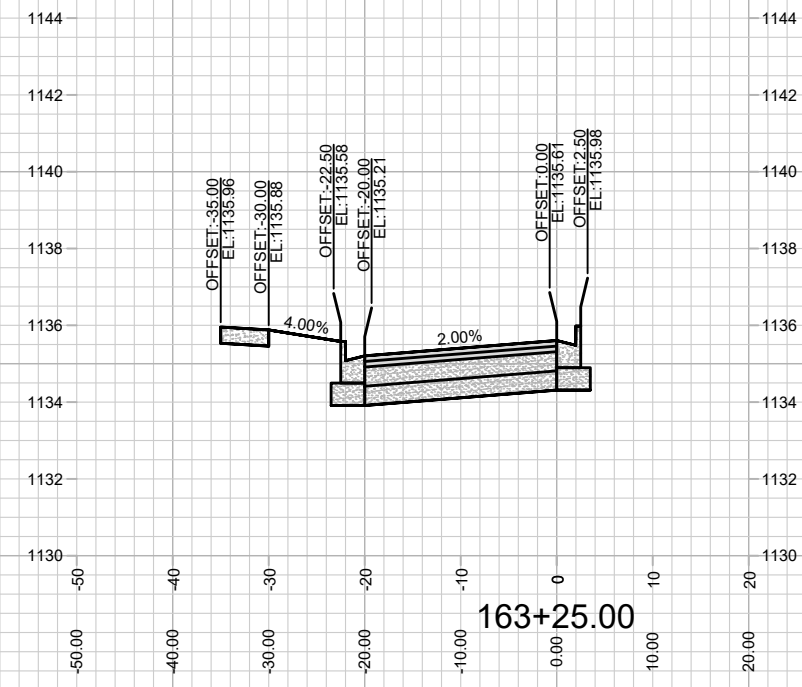
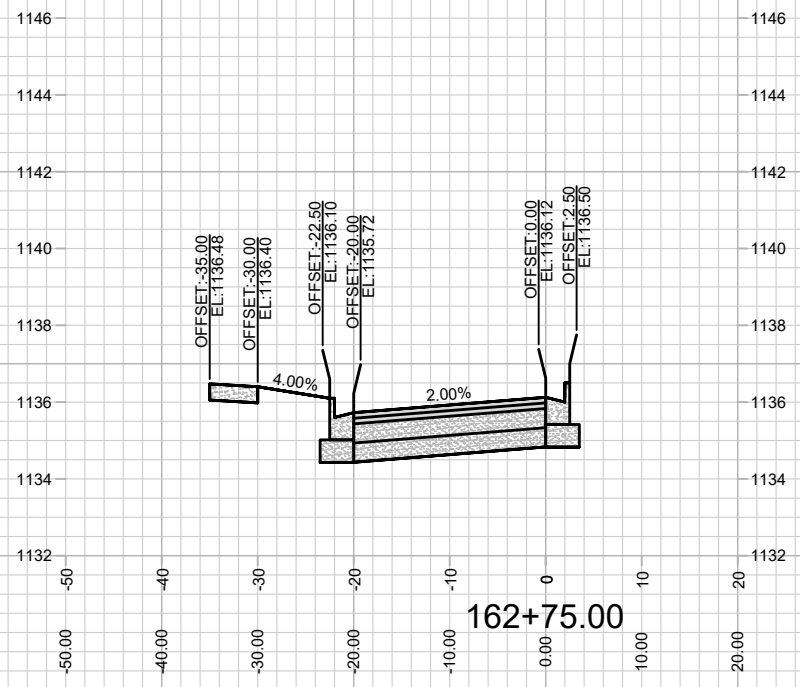
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR UPPER-CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-11


REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY

13208
 MADISON, WI
 8944
 CONTRACT NO:

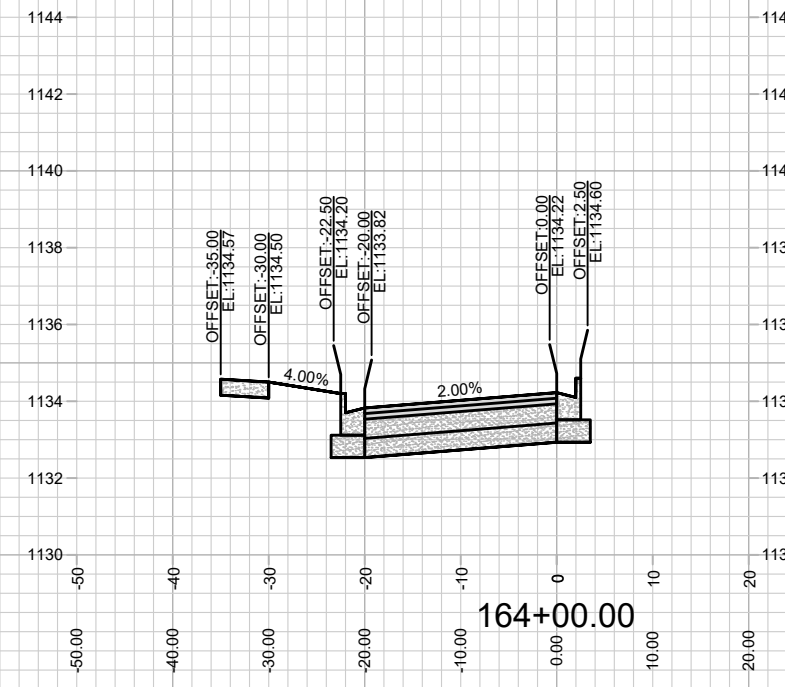
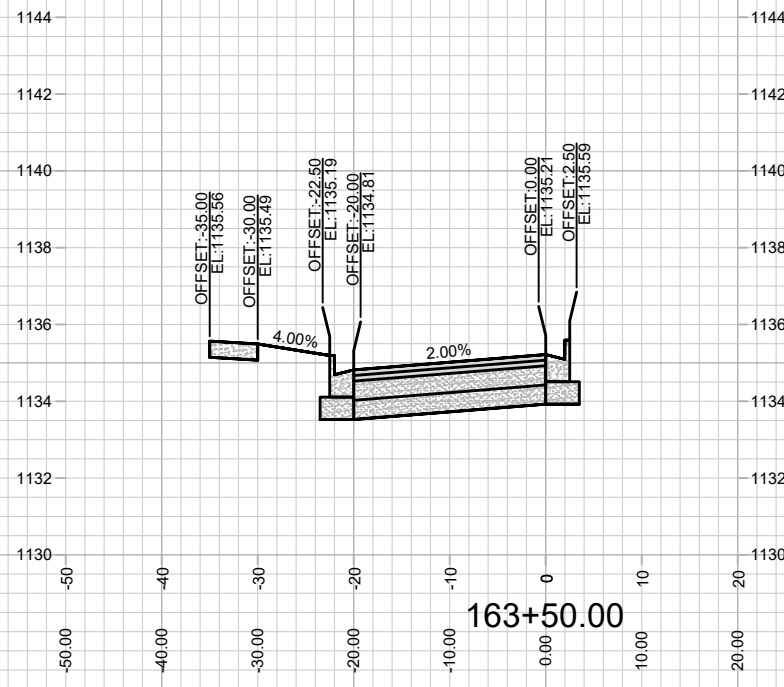
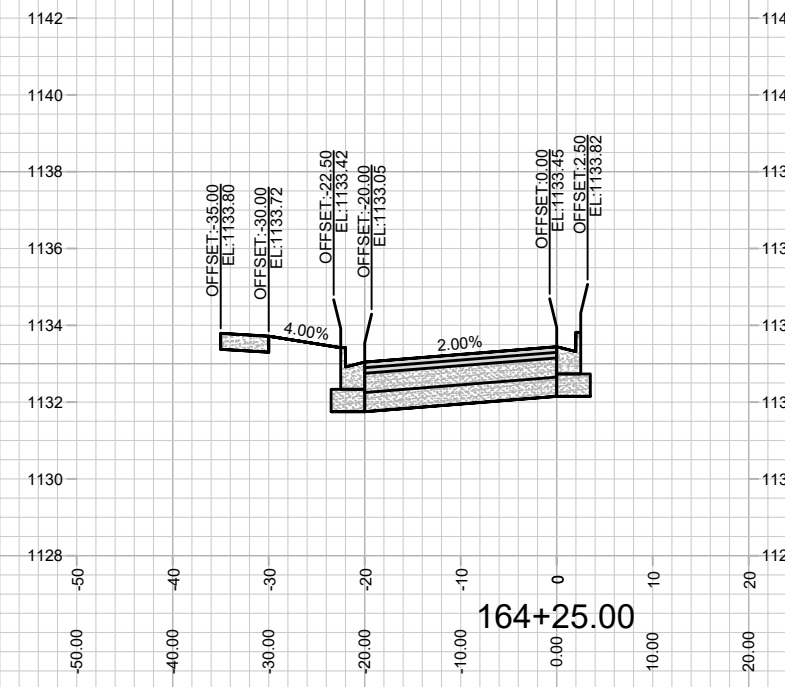
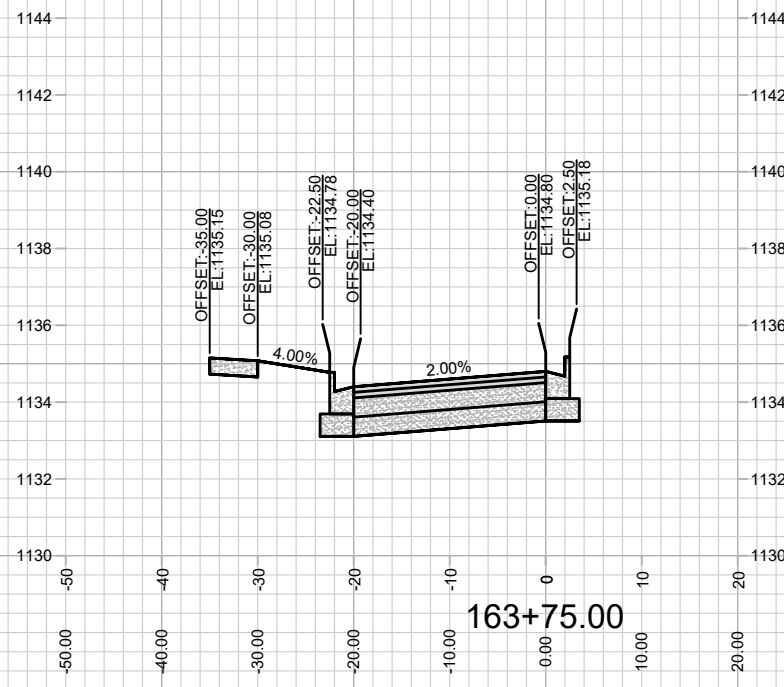
TAWNY ACORN DR UPPER-CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-12

Scale: #####
 Date: 3/2/2021 6:47 PM
 13208
 X-12

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY
13208	13208	3/27/2021 6:47 PM	JPS

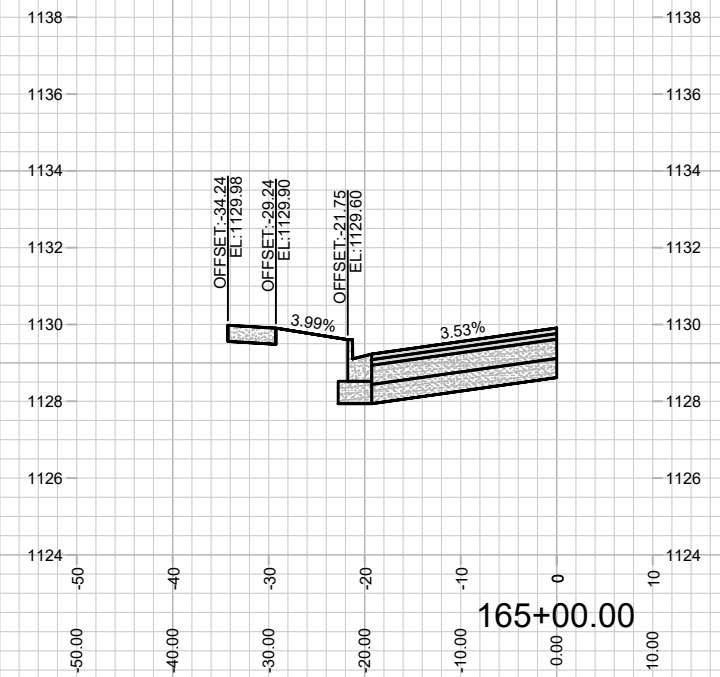
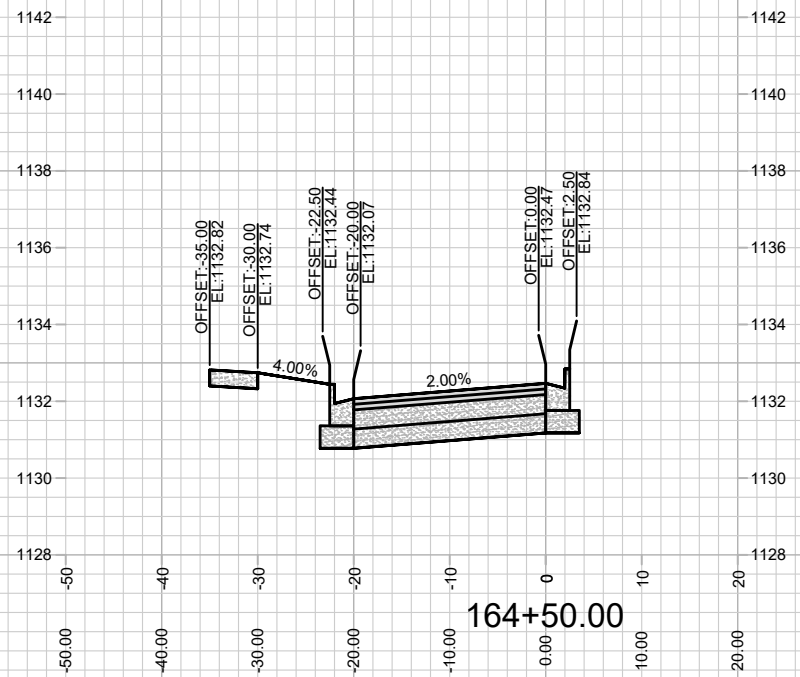
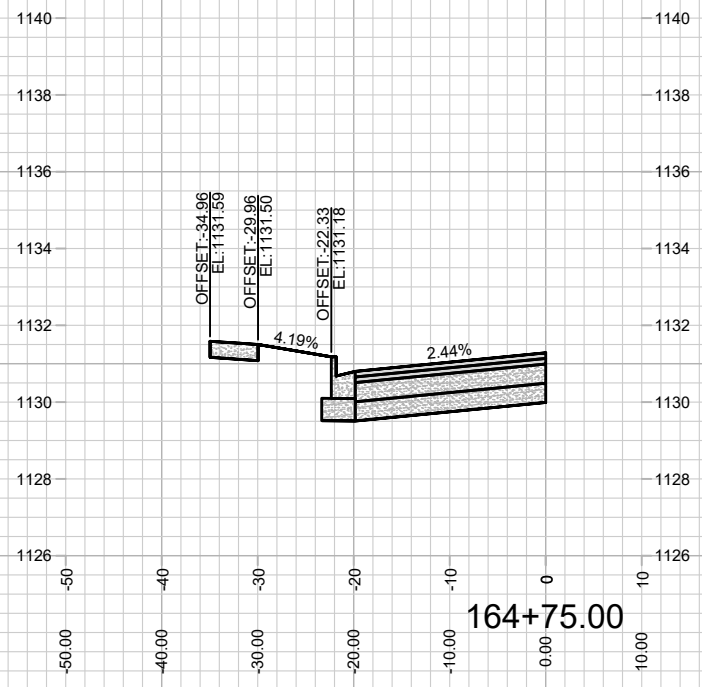
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR UPPER-CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-13


REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY
13208	3/27/2021 6:47 PM	###	###

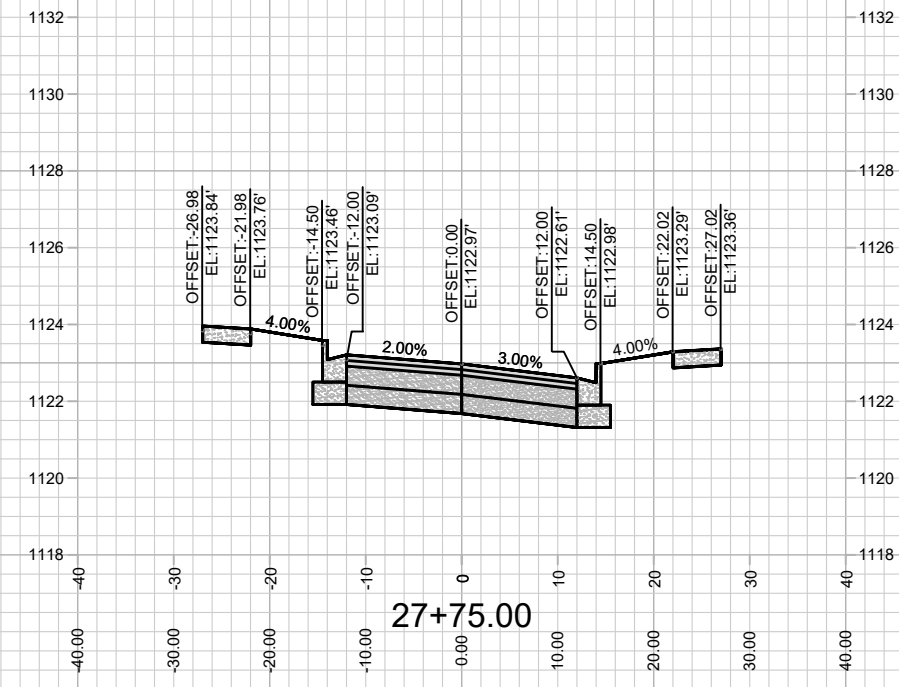
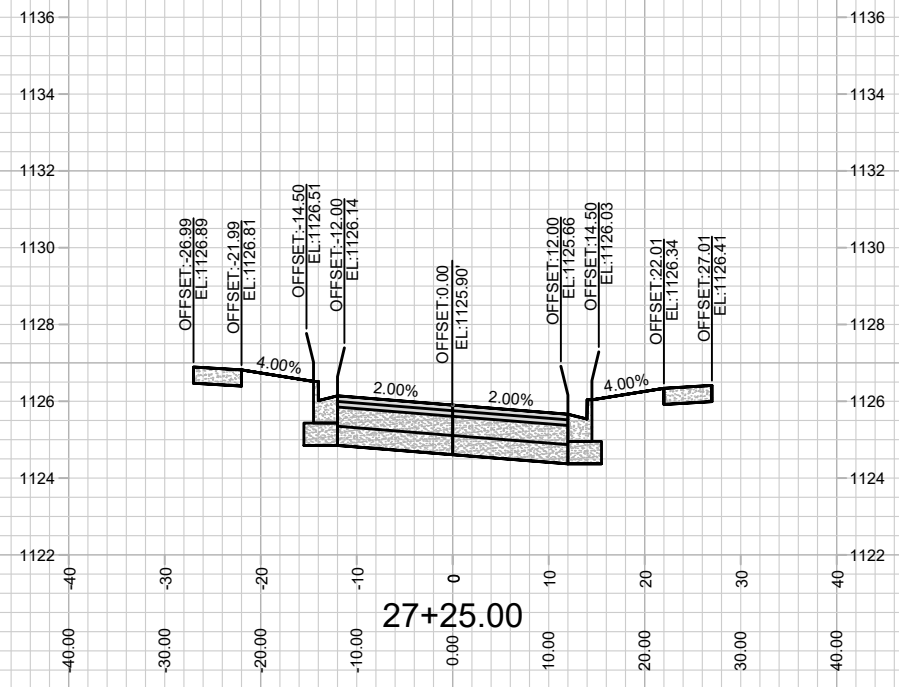
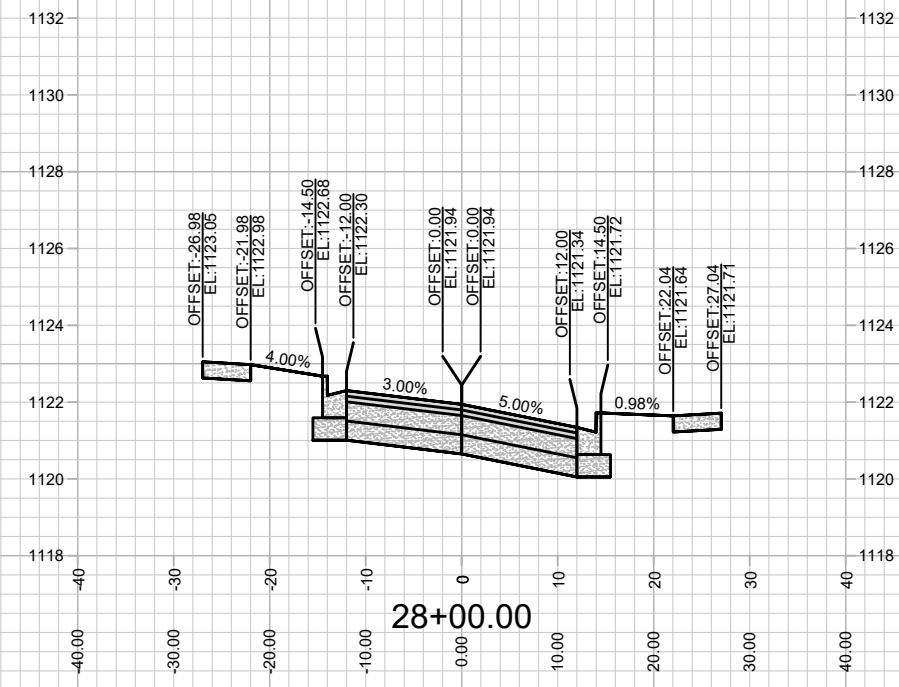
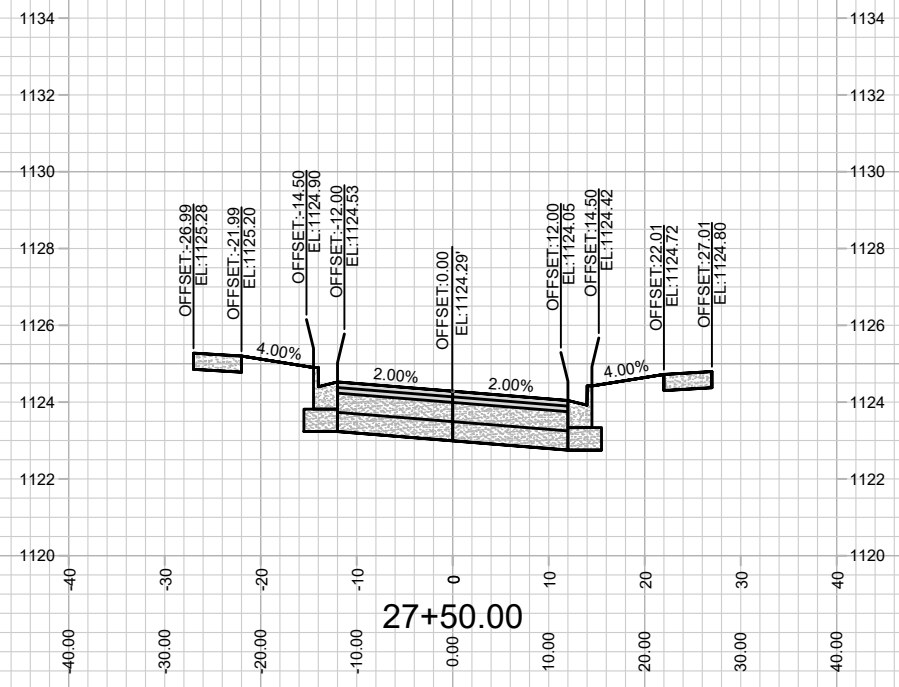
13208
 MADISON, WI
 8944
 CONTRACT NO:

TAWNY ACORN DR UPPER-CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-14

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN




MARK	REVISION	DATE	BY

Scale: #####
 13208
 X-15

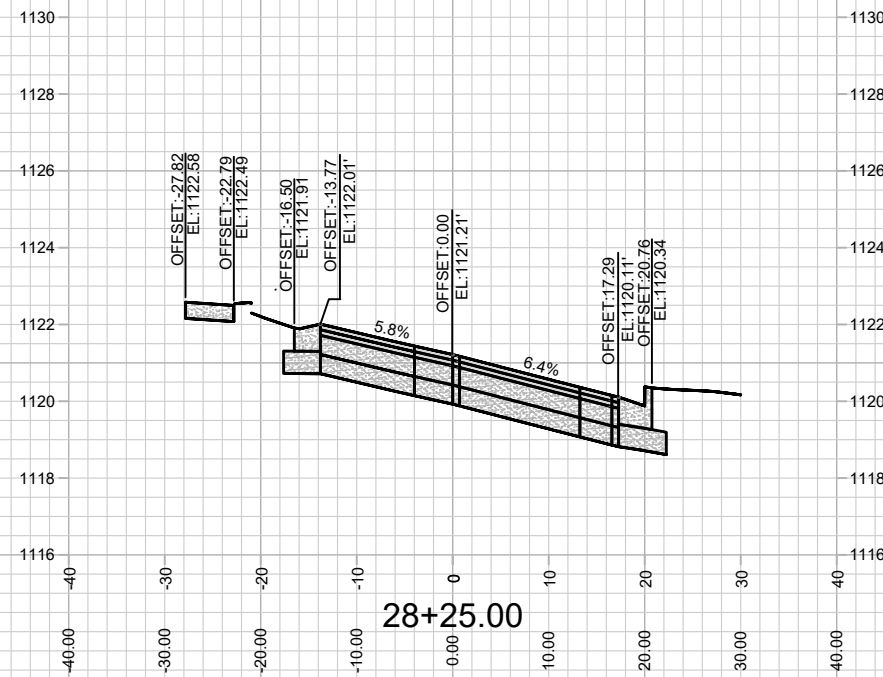
13208
 MADISON, WI
 8944
 CONTRACT NO:

QUAKING ASPEN DR - CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-15

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY
13208	13208	3/2/2021 6:47 PM	13208

13208
 MADISON, WI
 8944
 CONTRACT NO:

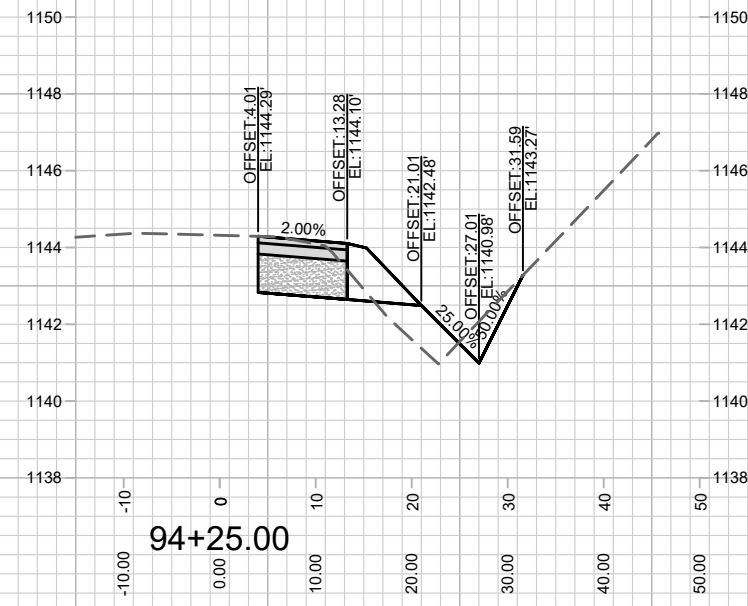
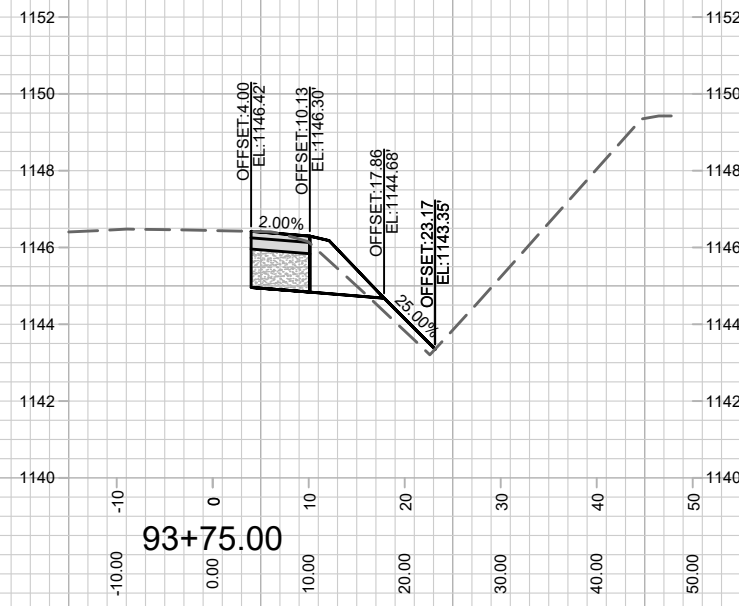
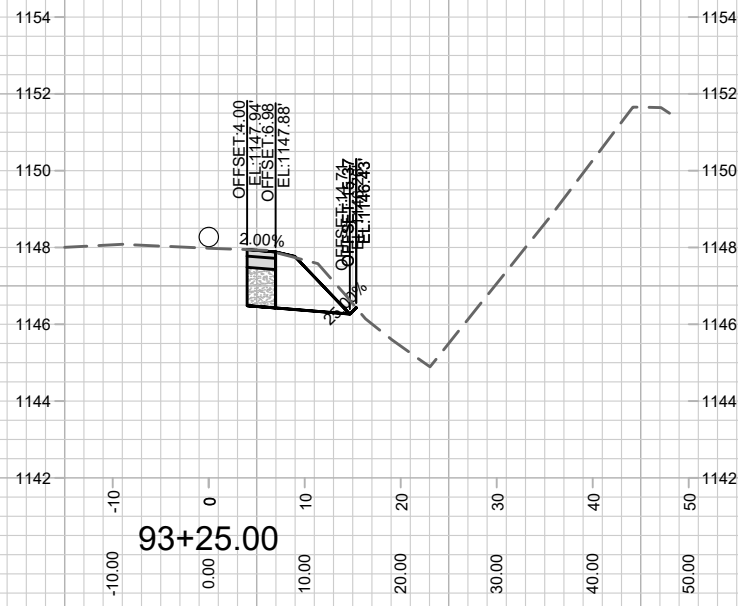
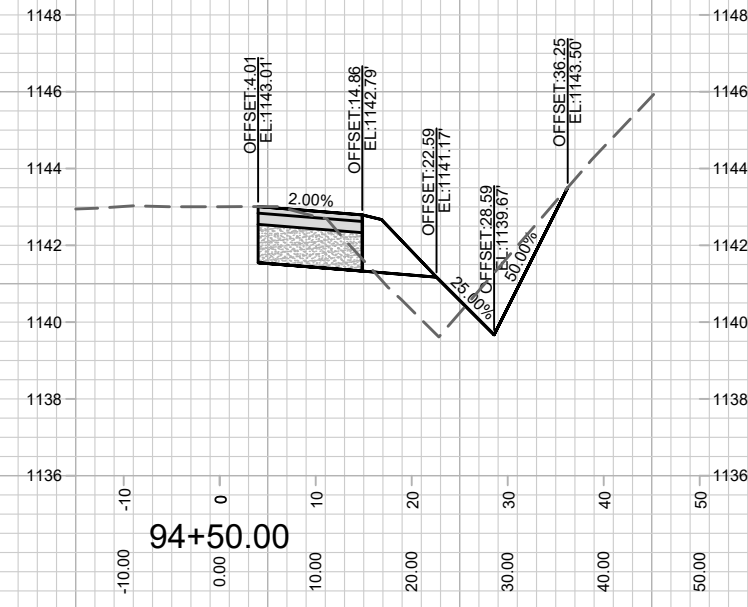
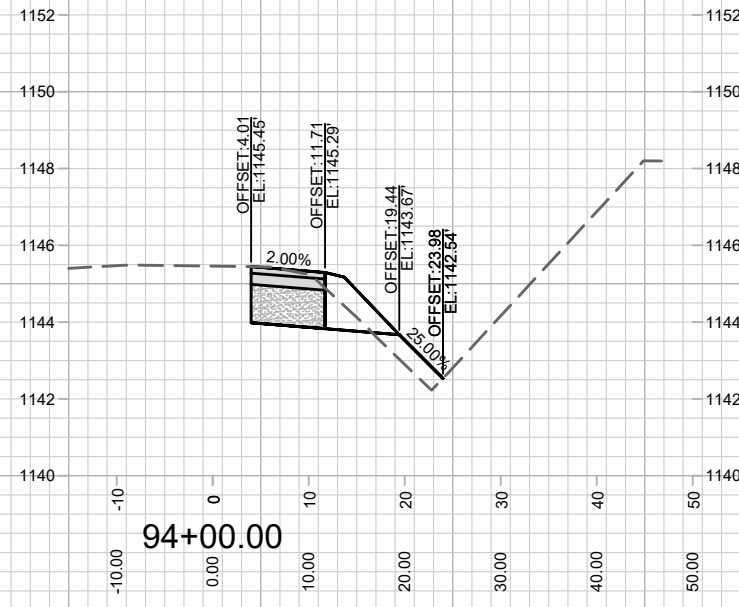
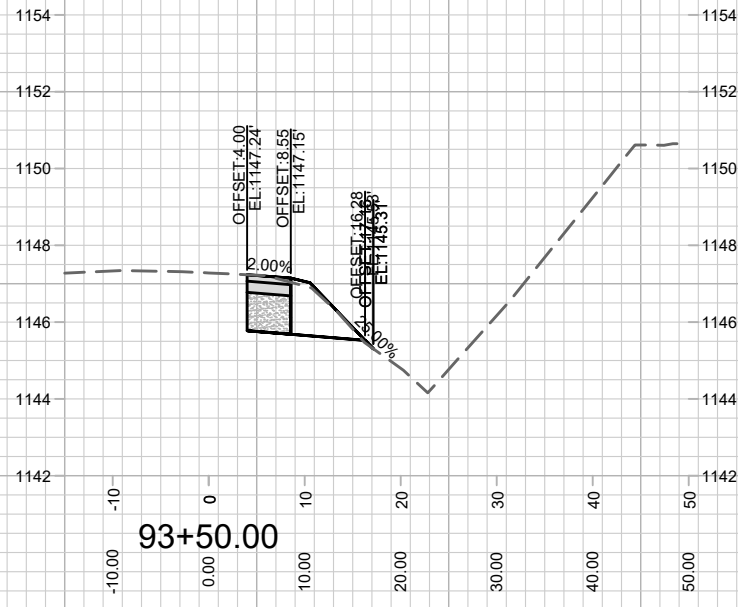
QUAKING ASPEN DR - CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_InternalStreets.dwg



13208
 X-16

X-16

REV 02/23/2021 JPS
NEW SHEET ADDED FOR
STREET DESIGN



MARK	REVISION	DATE	BY

Designed By: ###
Date: 3/27/2021 6:48 PM
Scale: #####
13208
X-17

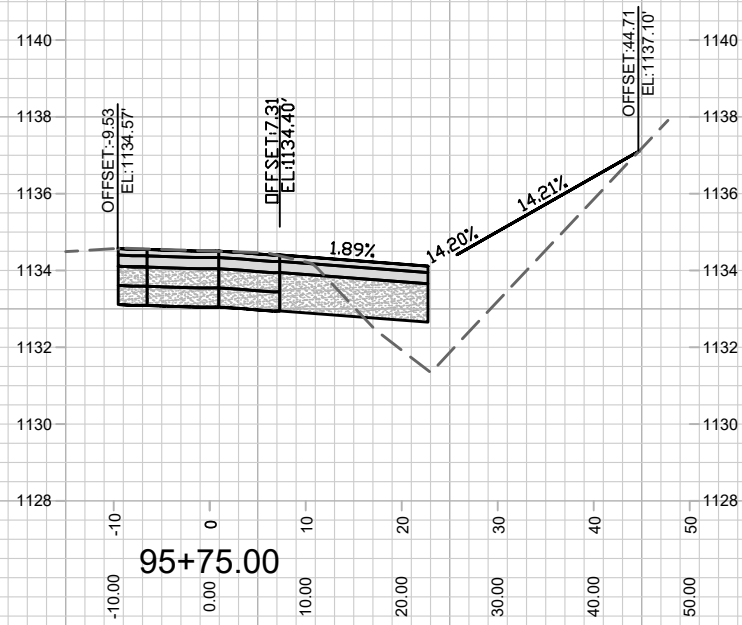
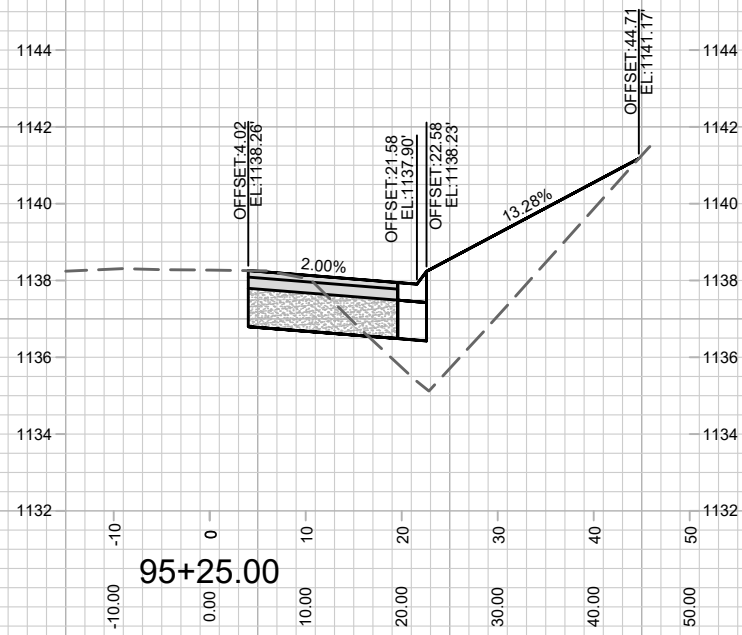
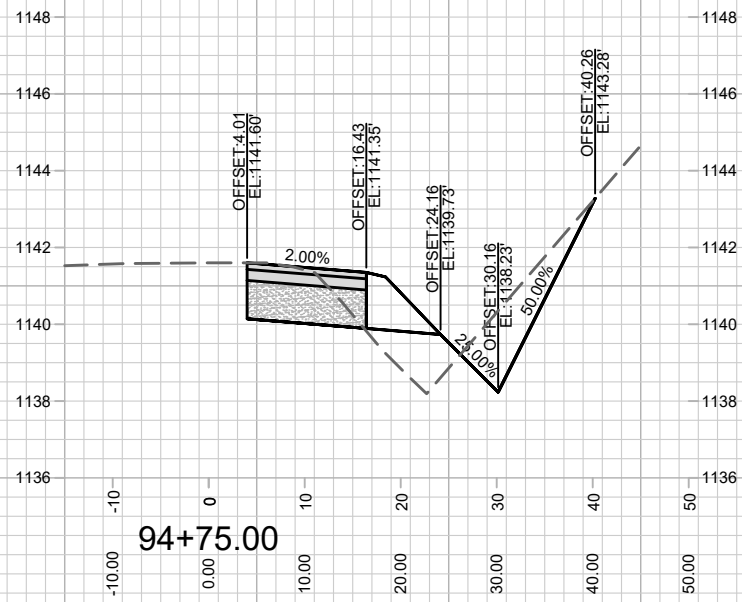
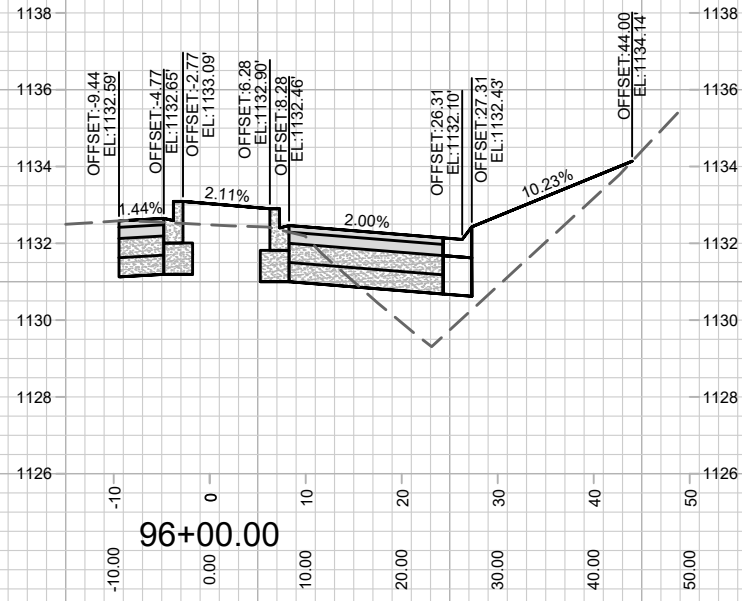
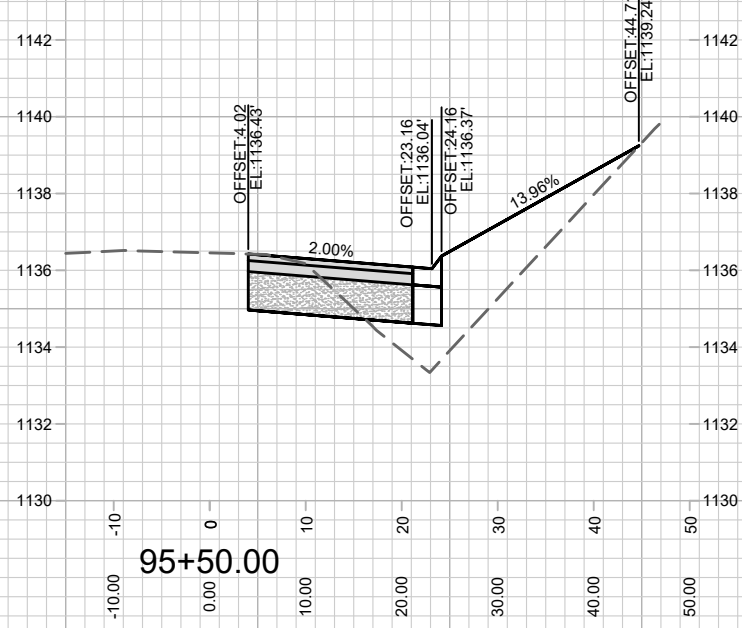
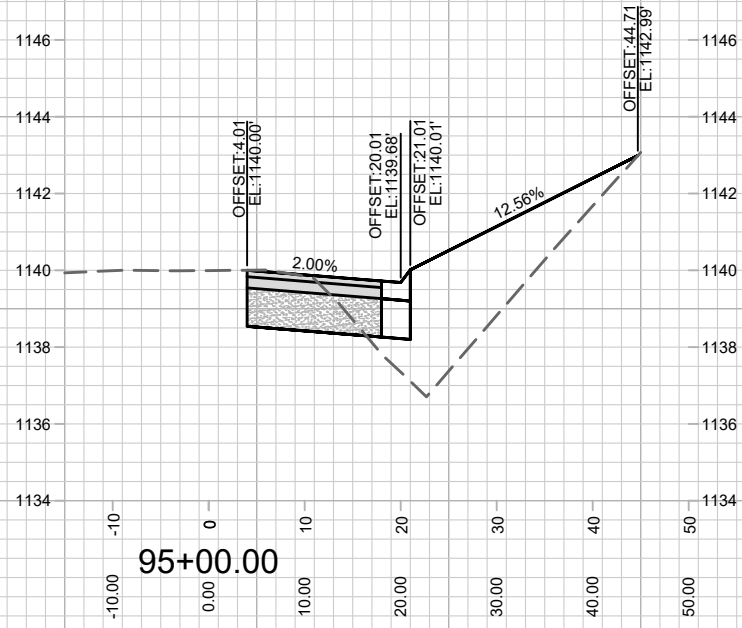
13208
MADISON, WI
8944
CONTRACT NO:

SOUTH POINT RD - CROSS SECTIONS
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_SouthPoint.dwg



13208
X-17

REV 02/23/2021 JPS
NEW SHEET ADDED FOR
STREET DESIGN



MARK	REVISION	DATE	BY
13208	13208	3/27/2021 6:48 PM	X-18

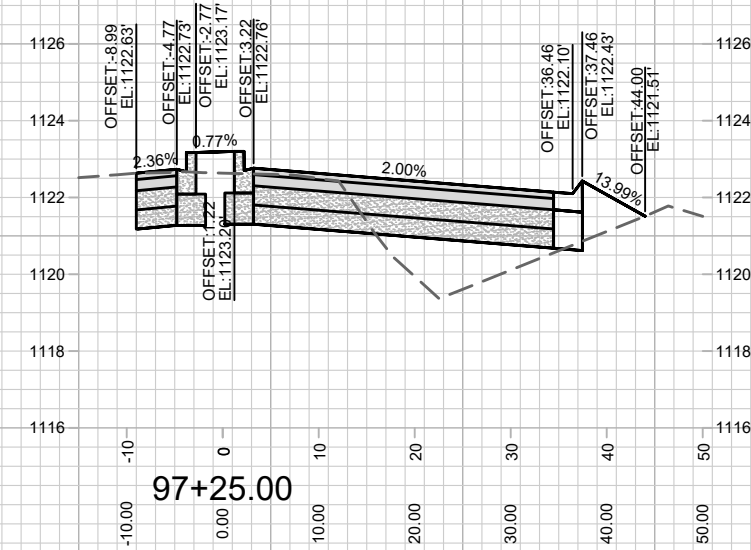
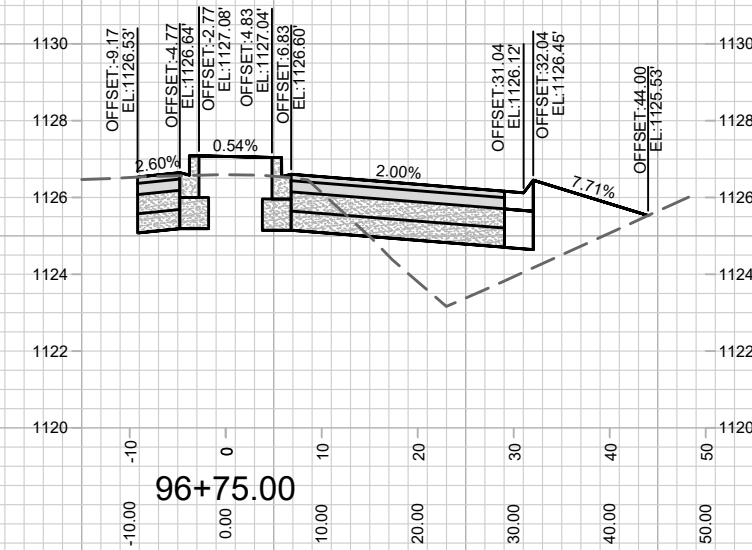
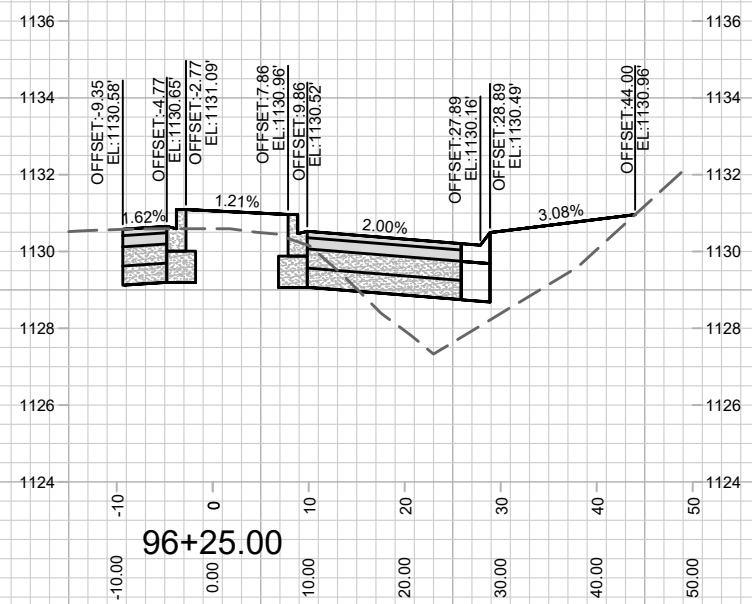
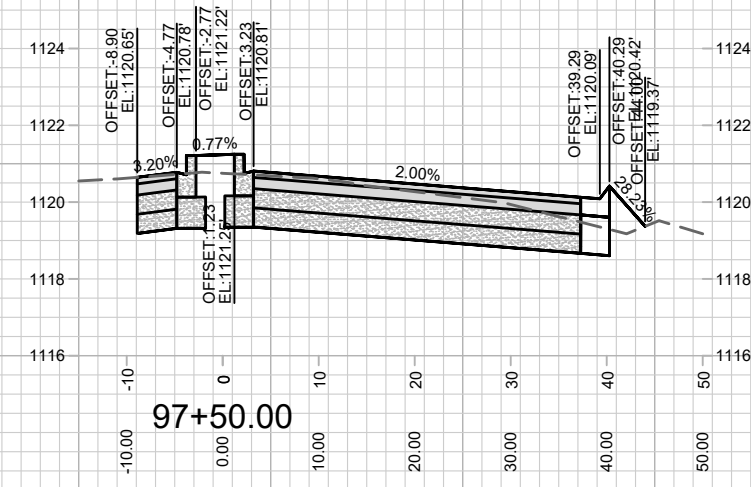
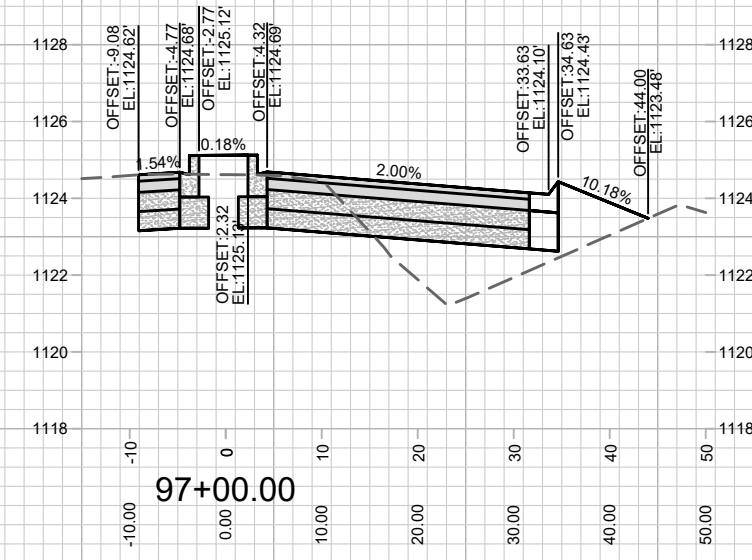
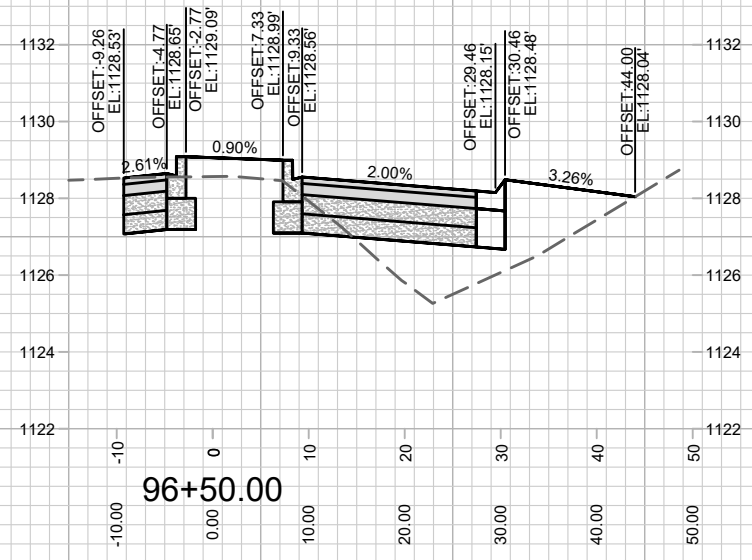
13208
MADISON, WI
8944
CONTRACT NO:

SOUTH POINT RD - CROSS SECTIONS
1000 OAKS - PHASE 9
M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_SouthPoint.dwg



13208
X-18

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



SOUTH POINT RD - CROSS SECTIONS

1000 OAKS - PHASE 9

M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_SouthPoint.dwg

13208
X-19

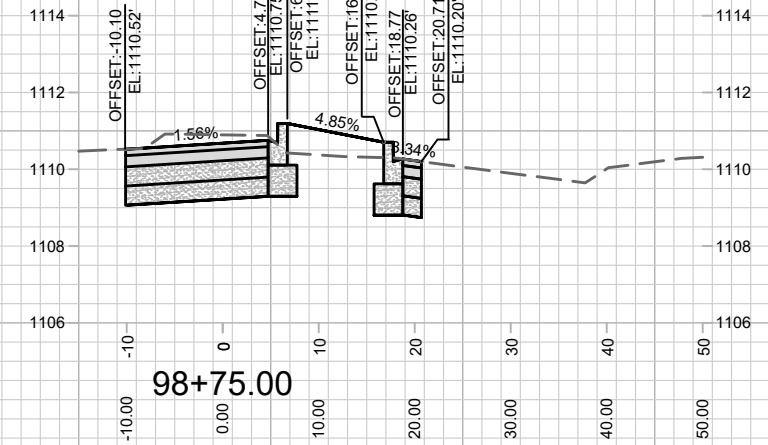
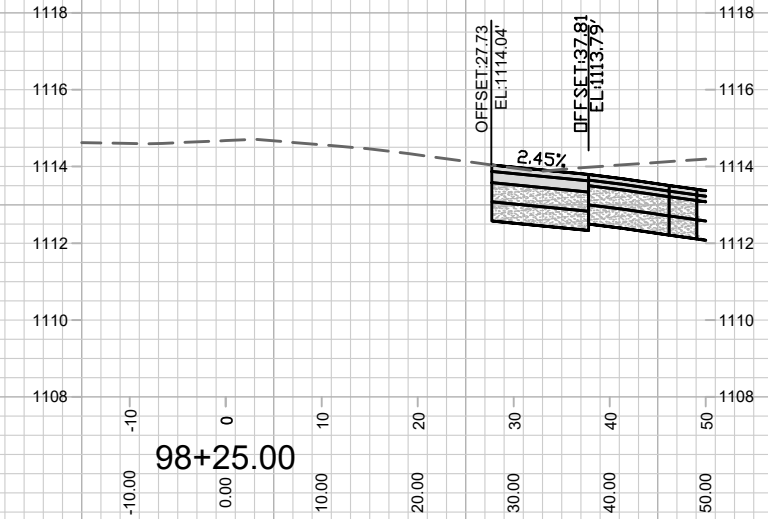
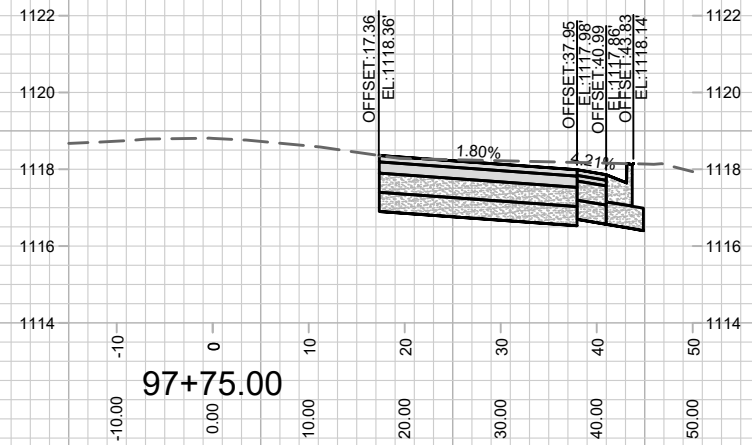
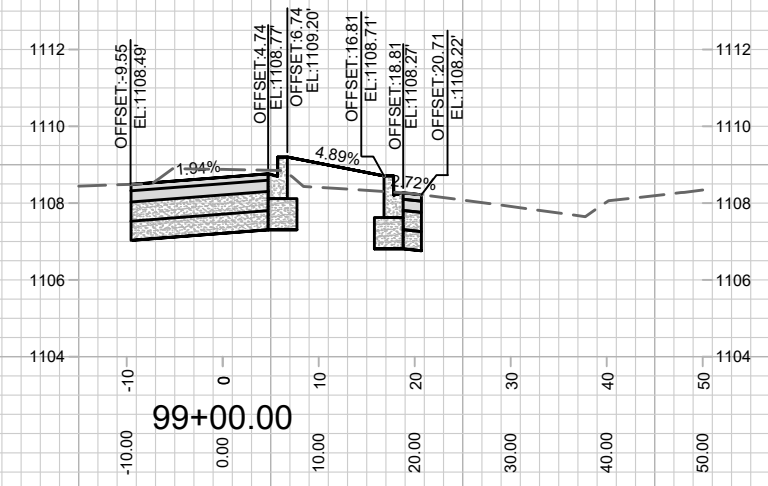
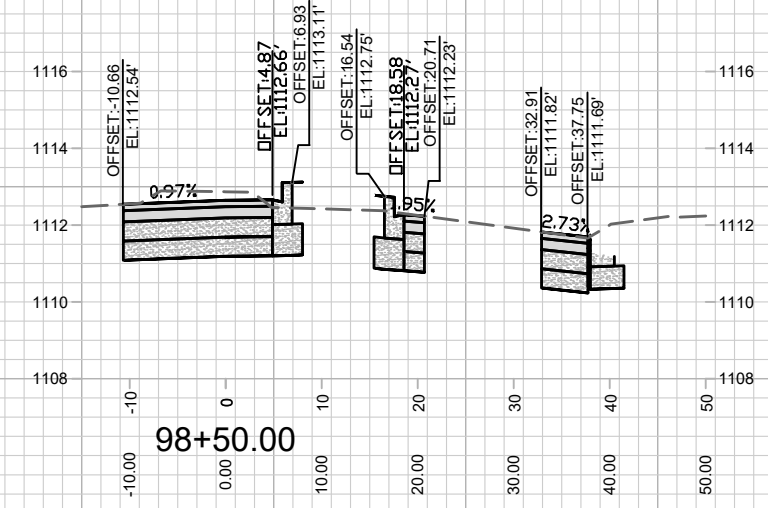
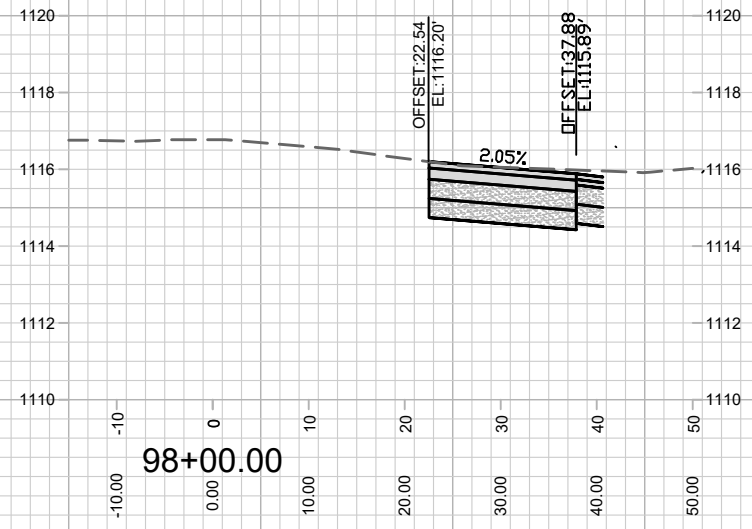
MARK	REVISION	DATE	BY
Designed By: ###		Date: 3/27/2021 6:48 PM	Scale: #####
13208		X-19	

CONTRACT NO: 8944

MADISON, WI

13208

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	DESIGNED BY	DATE	BY
13208	13208	3/27/2021 6:48 PM	X-20

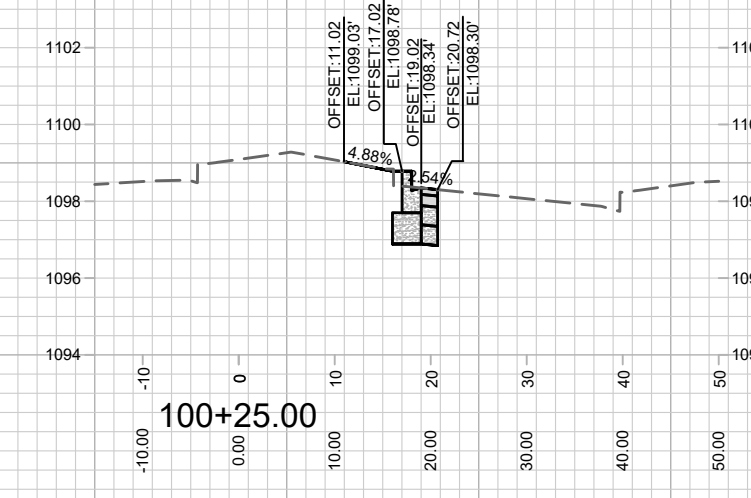
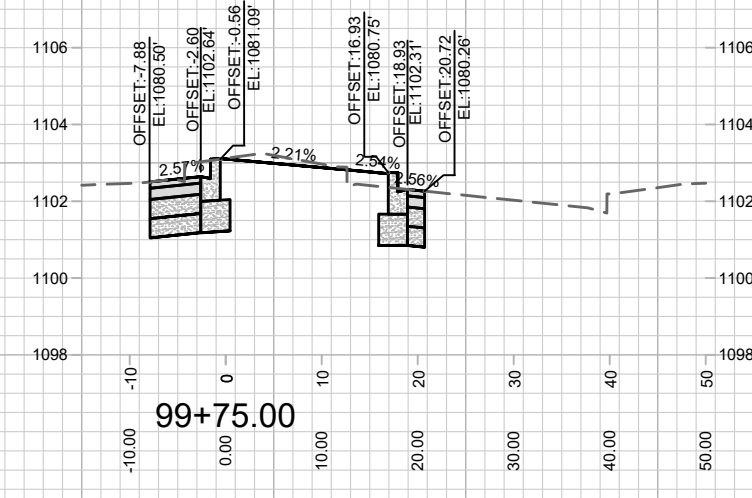
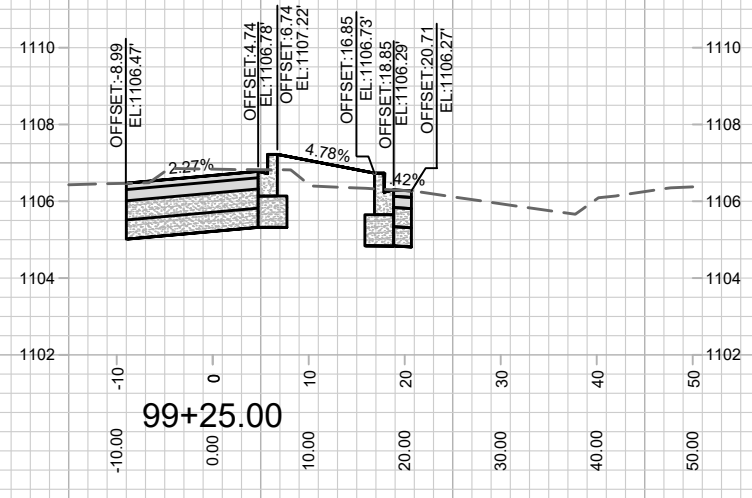
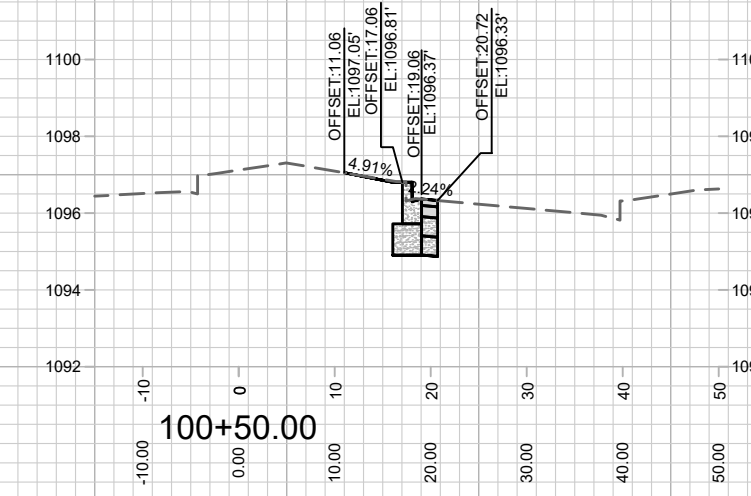
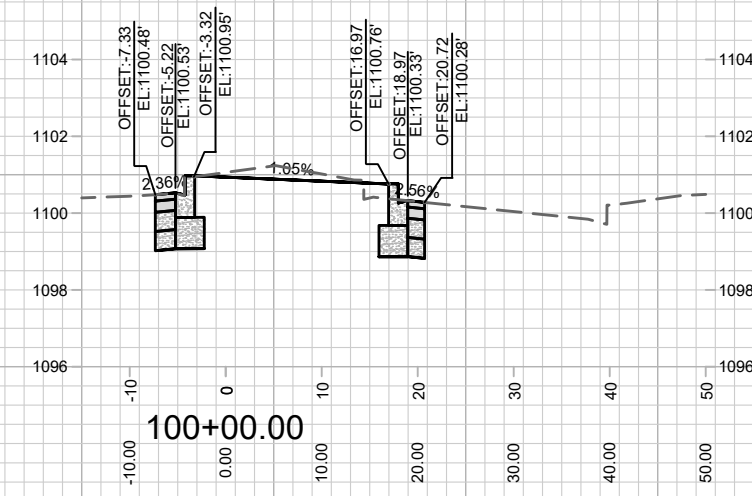
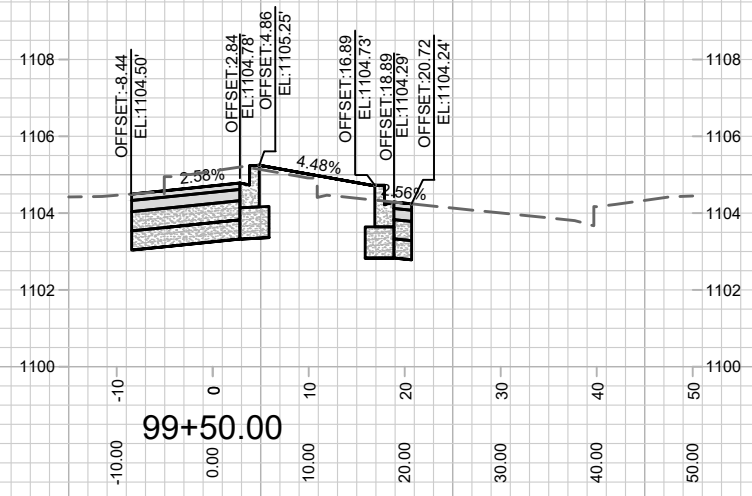
13208
 MADISON, WI
 8944
 CONTRACT NO:

SOUTH POINT RD - CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_SouthPoint.dwg



13208
 X-20

REV 02/23/2021 JPS
 NEW SHEET ADDED FOR
 STREET DESIGN



MARK	REVISION	DATE	BY
13208	13208	3/2/2021 6:48 PM	JPS

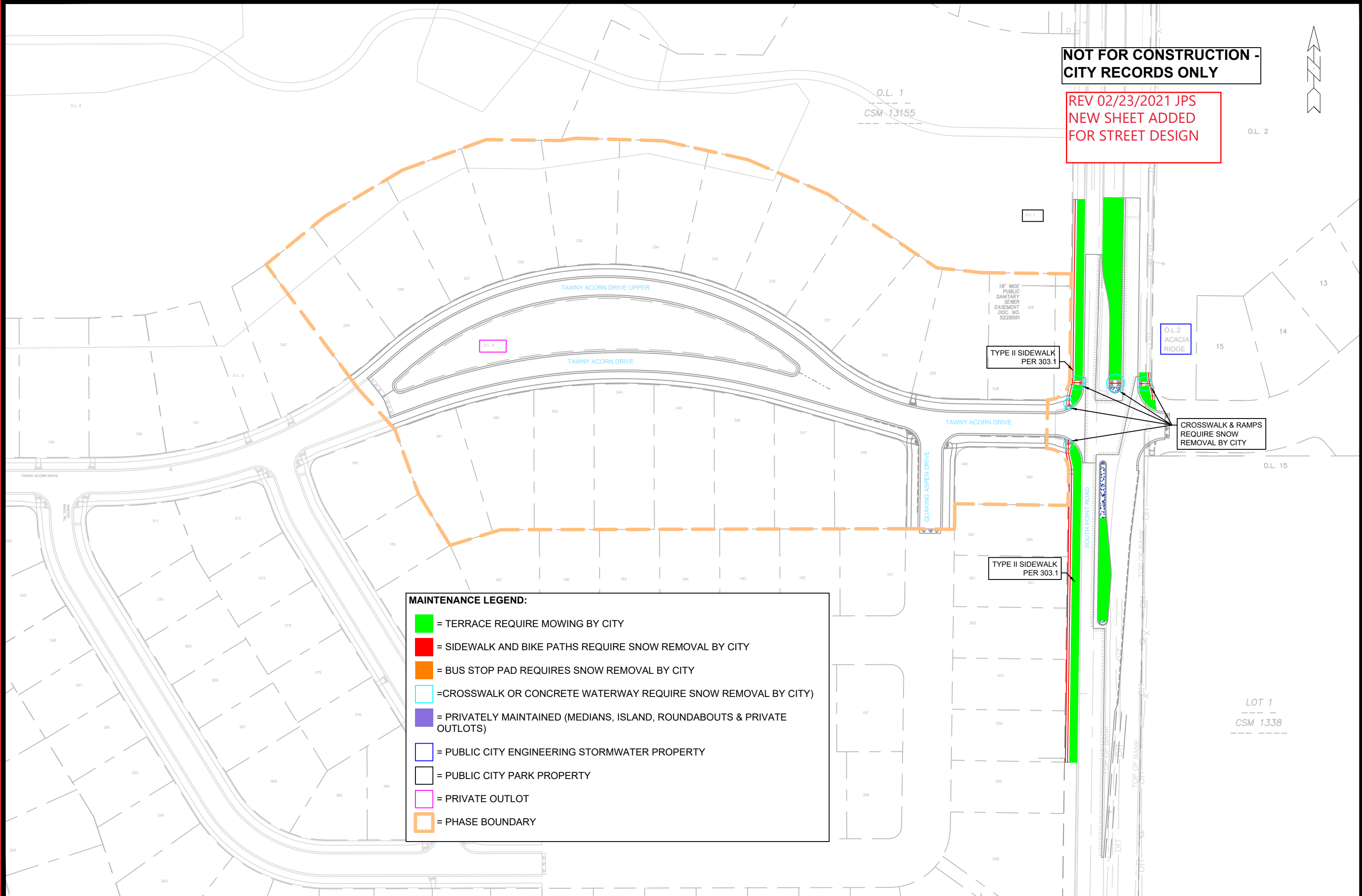
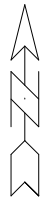
13208
 MADISON, WI
 8944
 CONTRACT NO:

SOUTH POINT RD - CROSS SECTIONS
 1000 OAKS - PHASE 9
 M:\DESIGN\Projects\13208\CAD\Streets\13208EN-Corridor_SouthPoint.dwg

13208
 X-21

**NOT FOR CONSTRUCTION -
CITY RECORDS ONLY**

**REV 02/23/2021 JPS
NEW SHEET ADDED
FOR STREET DESIGN**



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

MARK	REVISION	DATE	BY

13208
MADISON, WI
8944
CONTRACT NO:

13208
MADISON, WI
8944
CONTRACT NO:



13208
MN-1