

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT
APPROVED

NOVEMBER 19, 2019

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Alfred Fries

City Engineer

May 28, 2020

Date

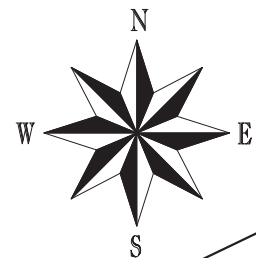
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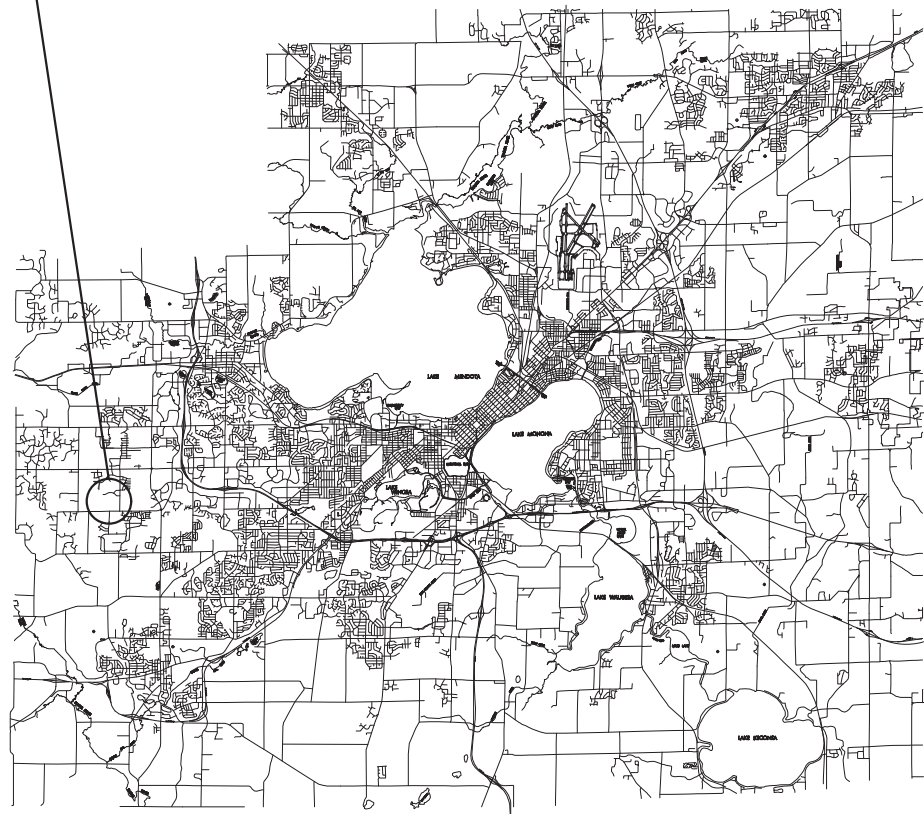
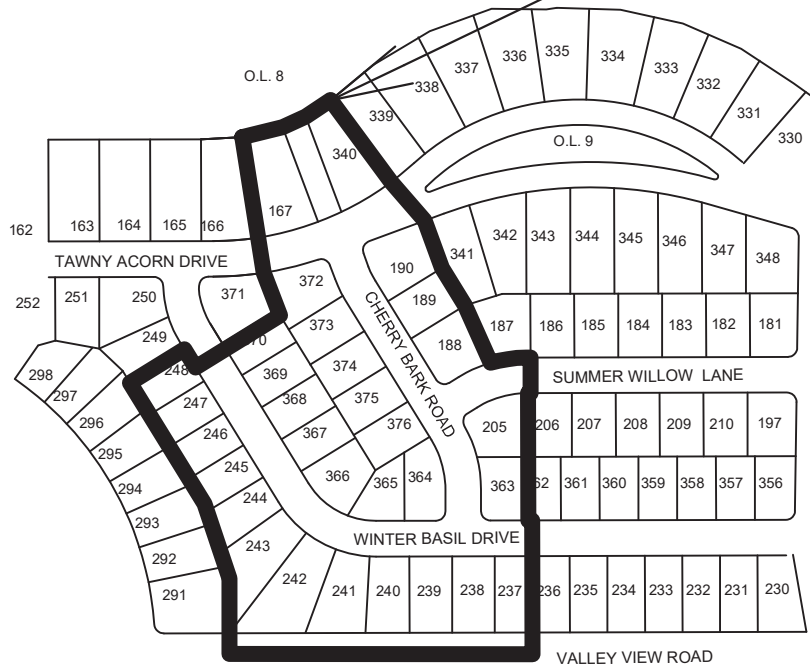
FIRST ADDITION TO 1000 OAKS - PHASE 8

CITY PROJECT NO. 12711

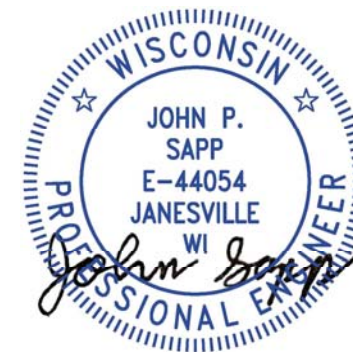
CITY CONTRACT NO. 8486



PROJECT LOCATION



STREET GRADES
DESIGNED BY:



May 28, 2020

STREET GEOMETRICS &
PAVEMENT MARKINGS
DESIGNED BY:



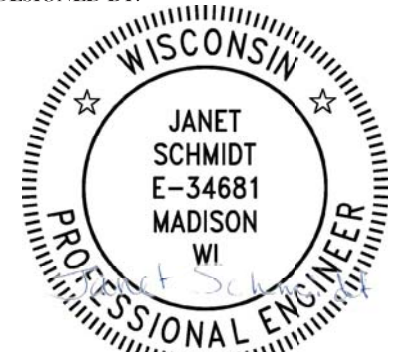
May 28, 2020

SANITARY SEWER
DESIGNED BY:



May 28, 2020

STORM SEWER
DESIGNED BY:



May 28, 2020

WATER
DESIGNED BY:



May 28, 2020

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 14 DAYS PRIOR TO THE START OF WORK. WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE

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

ALL PAVEMENT IN THE CHERRY BARK ROAD, TAWNY ACORN DRIVE, SUMMER WILLOW LANE, AND WINTER BASIL DRIVE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE VALLEY VIEW 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 EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENTS FROM THE CITY PROJECT ENGINEER PRIOR TO STAKING THIS PROJECT.

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.

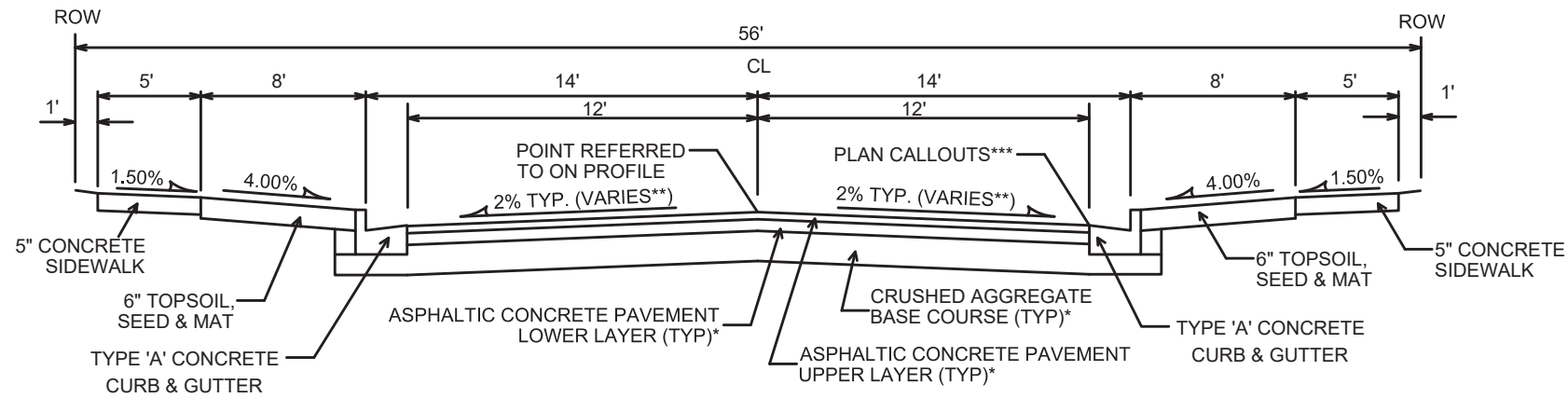
THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

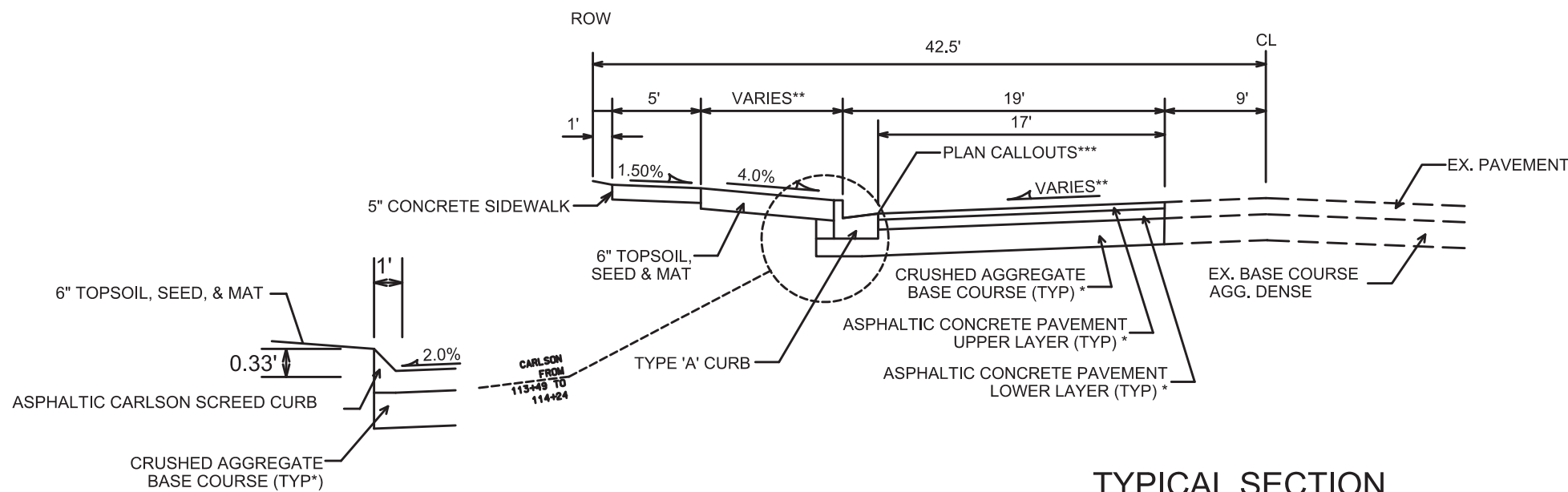
ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

MARK	#1	REVISION	DATE		BY
			DATE	SCALE	
12711					
12711					
MADISON, WI					
8486					
CONTRACT NO:					
12711					
CITY OF MADISON					
FIRST ADDITION TO 1000 OAKS - PHASE 8					
STANDARD NOTES AND COMMENTS					
12711					
D-1					





TYPICAL SECTION
 CHERRY BARK ROAD, SUMMER WILLOW LANE,
 TAWNY ACORN DRIVE AND WINTER BASIL DRIVE
 NOT TO SCALE



CARLSON SCREED CURB
 (STA 113+49 TO STA 114+24)
 NOT TO SCALE

TYPICAL SECTION
 VALLEY VIEW RD.
 (STA 108+73 TO STA 113+49)
 NOT TO SCALE

NOTES:

- * CHERRY BARK ROAD, SUMMER WILLOW LANE, TAWNY ACORN DRIVE & WINTER BASIL DRIVE SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN. VALLEY VIEW ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN.
- ** SEE PLAN AND PROFILE SHEETS FOR DIMENSIONS, DETAILS, AND STREET CROSS SLOPES
- *** STATION OFFSET ELEVATION CALLOUTS AT EDGE OF PAVEMENT
- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 8. SEE CONTRACT NO. 7650, PROJECT NO. 11313

CITY OF MADISON MINIMUM PAVEMENT DESIGN †

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

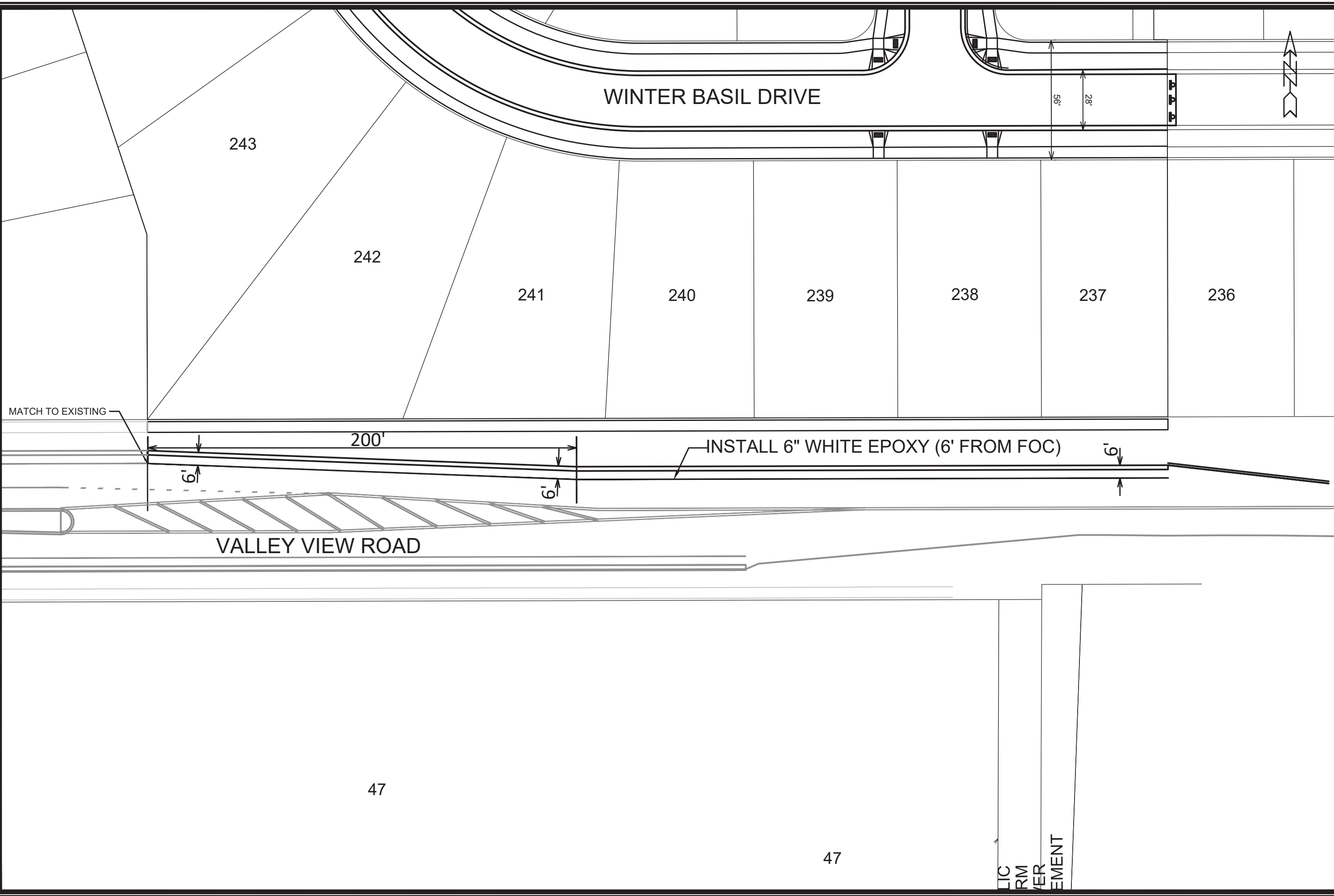
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12711
 MADISON, MADISON, WI
 CONTRACT NO: 8486

TYPICAL SECTIONS
 FIRST ADDITION TO 1000 OAKS - PHASE 8
 CITY OF MADISON



12711
 D-2



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Designed By: ###			Scale: ###/###
12711			M-1

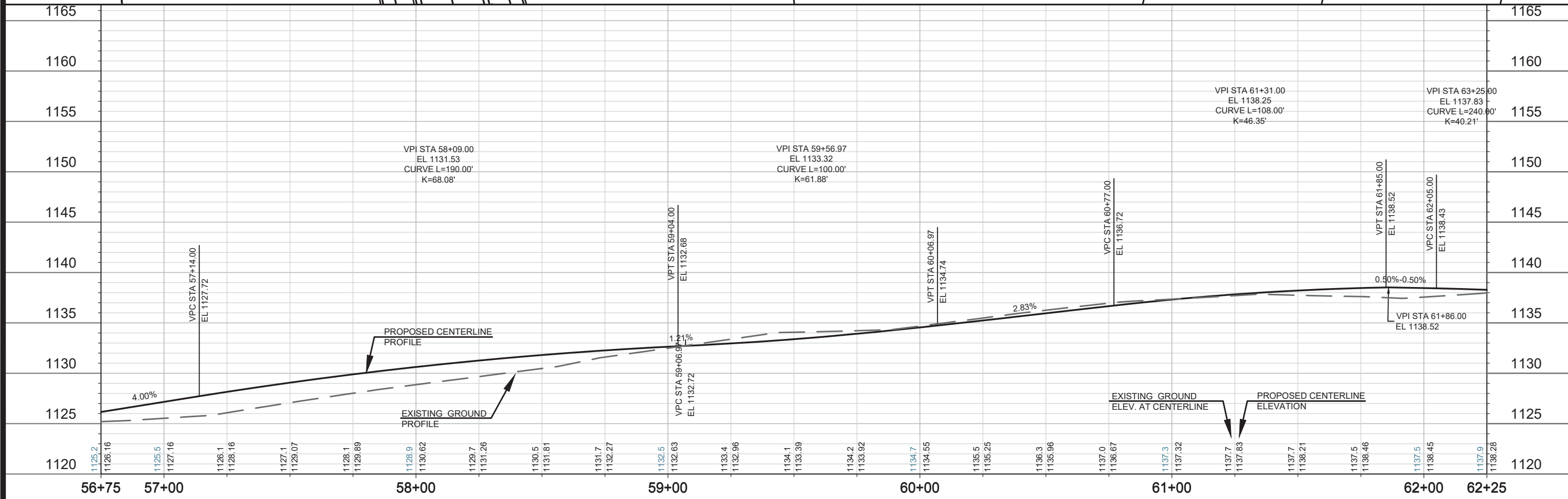
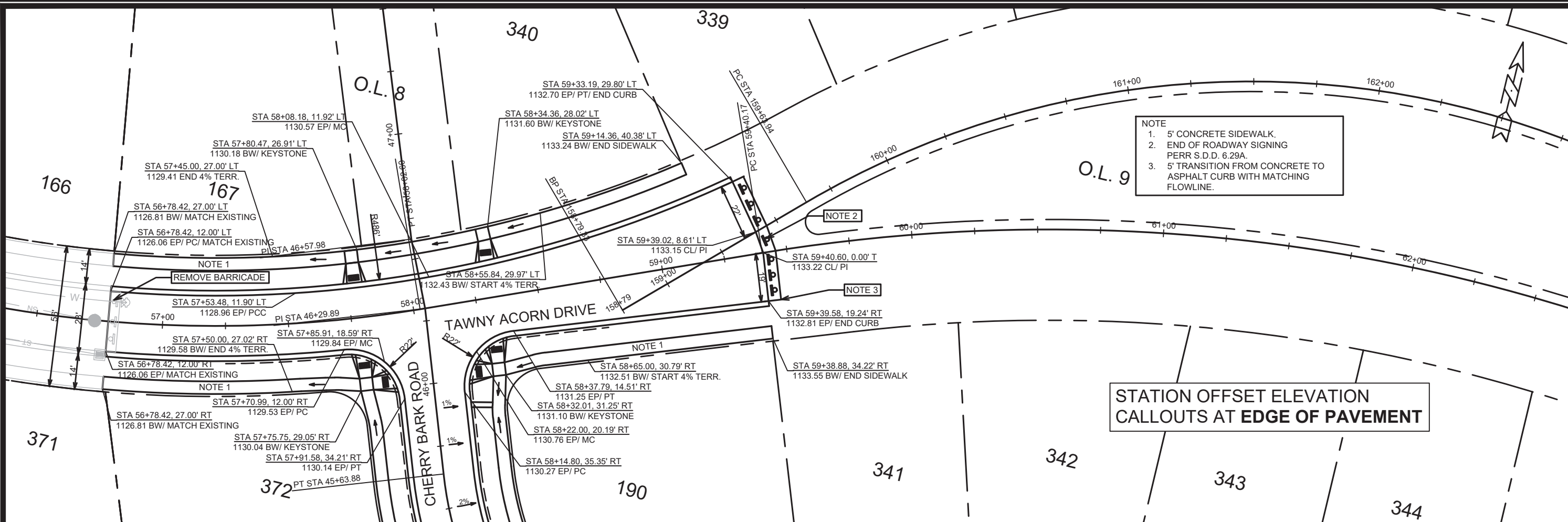
12711
 MADISON, WI
 CONTRACT NO: 8486

PAVEMENT MARKING PLAN
 1000 OAKS PHASE 8
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 M-1

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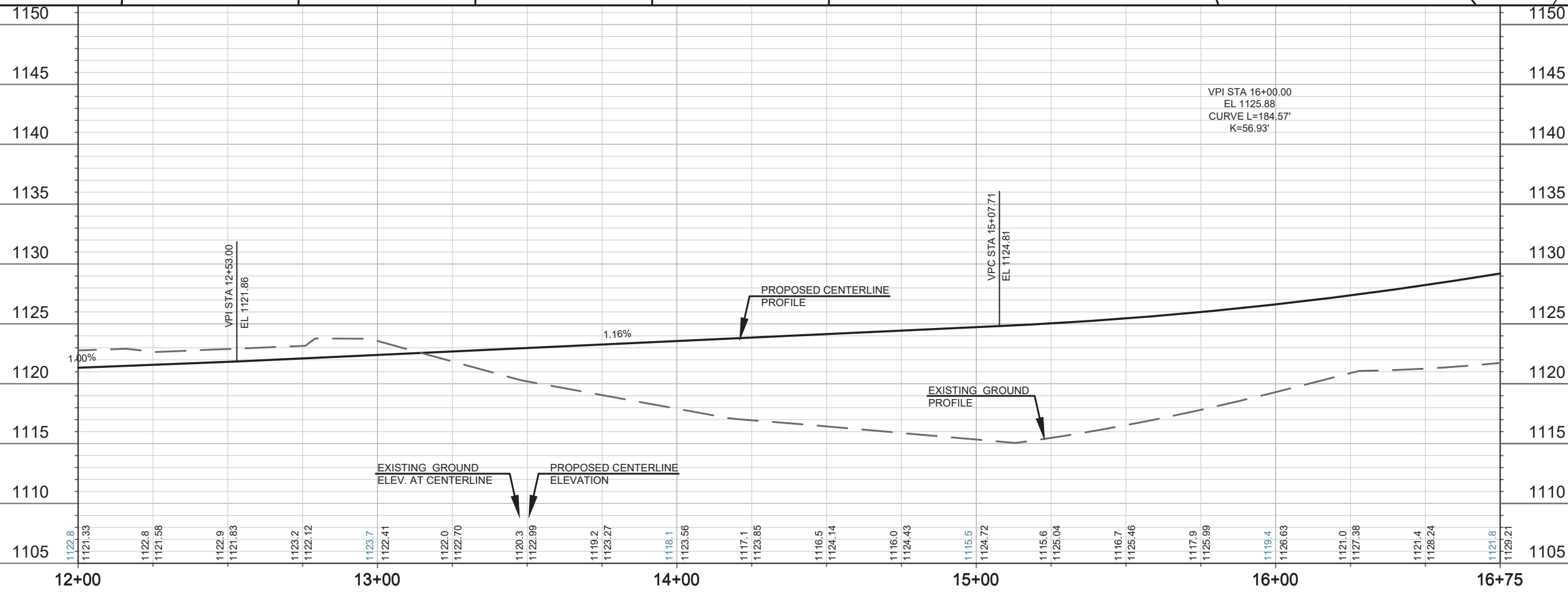
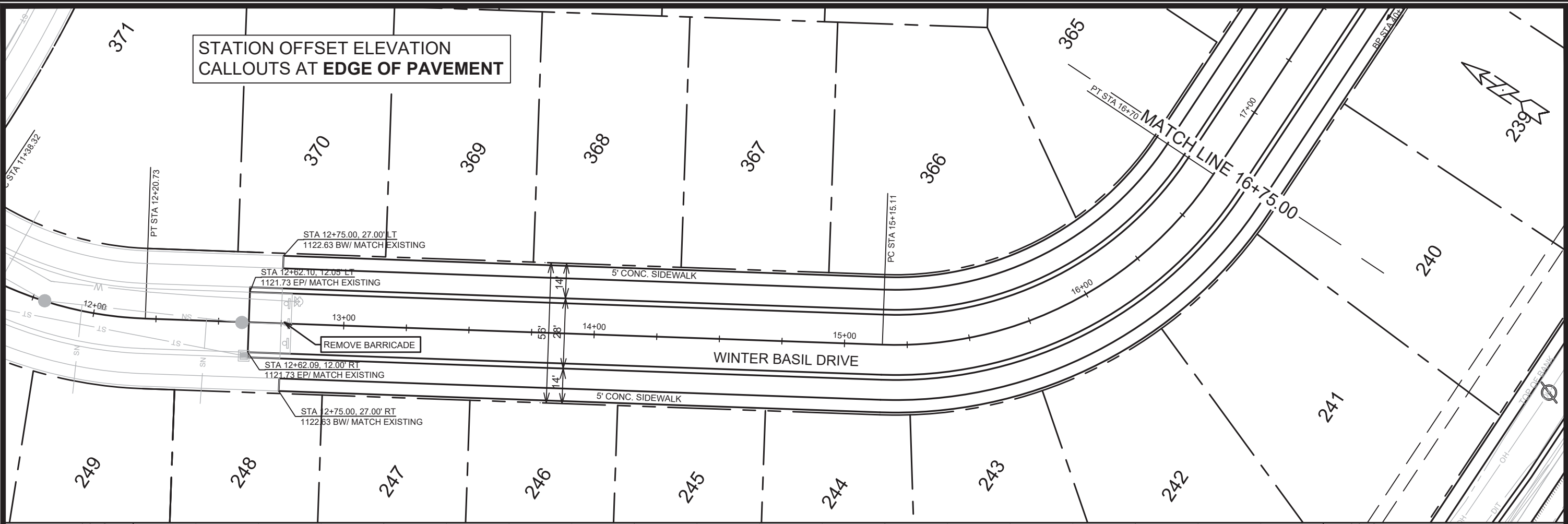


NOTE
 1. 5' CONCRETE SIDEWALK.
 2. END OF ROADWAY SIGNING
 PERR S.D.D. 6.29A.
 3. 5' TRANSITION FROM CONCRETE TO
 ASPHALT CURB WITH MATCHING
 FLOWLINE.

STATION OFFSET ELEVATION
 CALLOUTS AT EDGE OF PAVEMENT

MARK	REVISION	DATE	BY
12711		5-16-20	
Scale:	1"=40 FT		
Designed By:	12711		
Contract No.:	8486		
12711			
MADISON, WI			
TAWNY ACORN DRIVE PLAN & PROFILE			
FIRST ADDITION TO 1000 OAKS - PHASE 8			
CITY OF MADISON			
			
12711			
P-1			

STATION OFFSET ELEVATION
CALLOUTS AT **EDGE OF PAVEMENT**

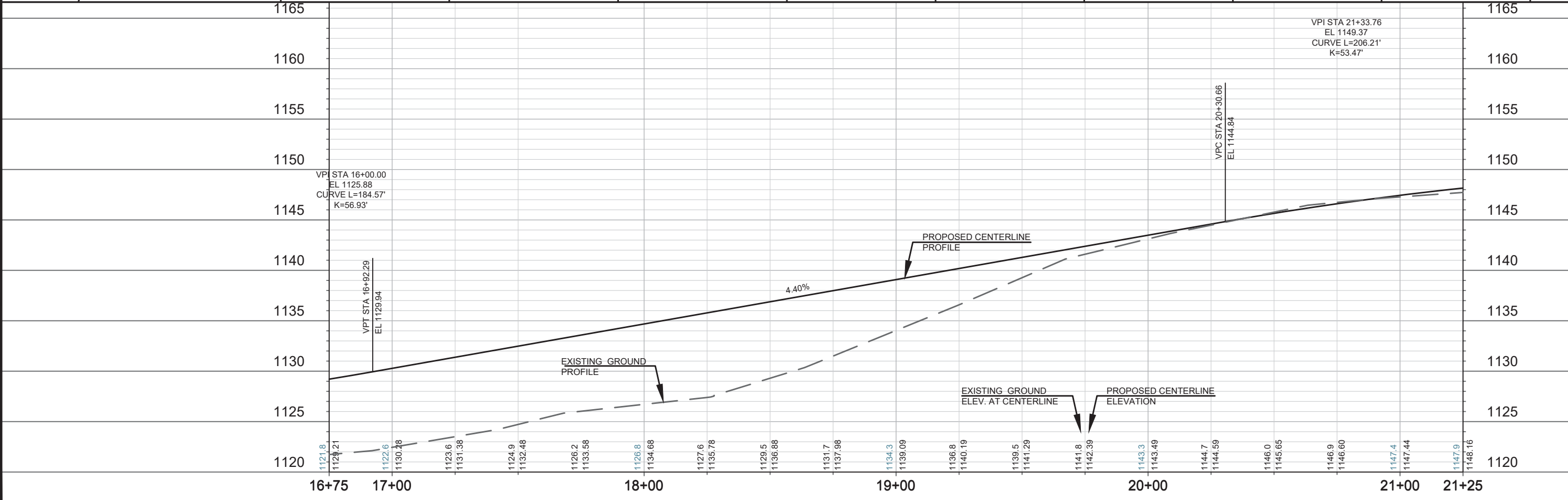
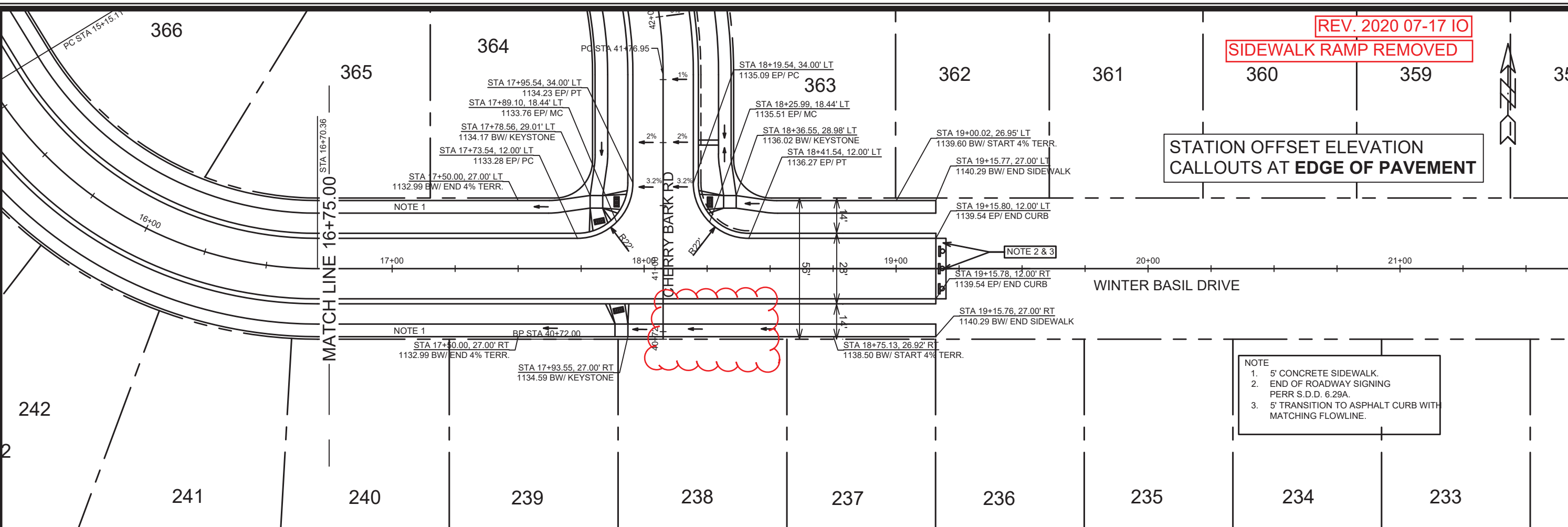


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MARK	REVISION	DATE	BT		
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12711	12711				P-2
WINTER BASIL DRIVE PLAN & PROFILE					
FIRST ADDITION TO 1000 OAKS - PHASE 8					
CITY OF MADISON					
12711					
P-2					

REV. 2020 07-17 IO
 SIDEWALK RAMP REMOVED

STATION OFFSET ELEVATION
 CALLOUTS AT EDGE OF PAVEMENT

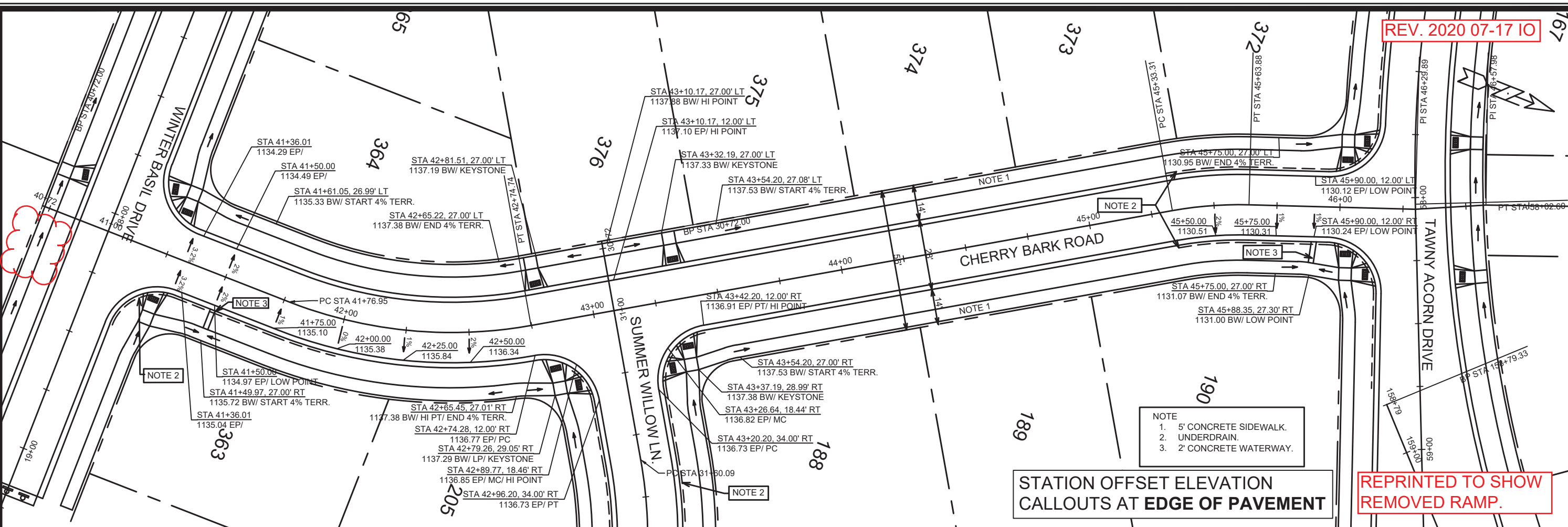
- NOTE
- 5' CONCRETE SIDEWALK.
 - END OF ROADWAY SIGNING
 PERR S.D.D. 6.29A.
 - 5' TRANSITION TO ASPHALT CURB WITH
 MATCHING FLOWLINE.



REVISION 2	16/07/20	IO
REVISION 1	06/03/20	IO
MARK	DATE	BY
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12711		P-3

12711
 MADISON, WI
 CONTRACT NO: 8486
 WINTER BASIL DRIVE PLAN & PROFILE
 FIRST ADDITION TO 1000 OAKS - PHASE 8
 CITY OF MADISON

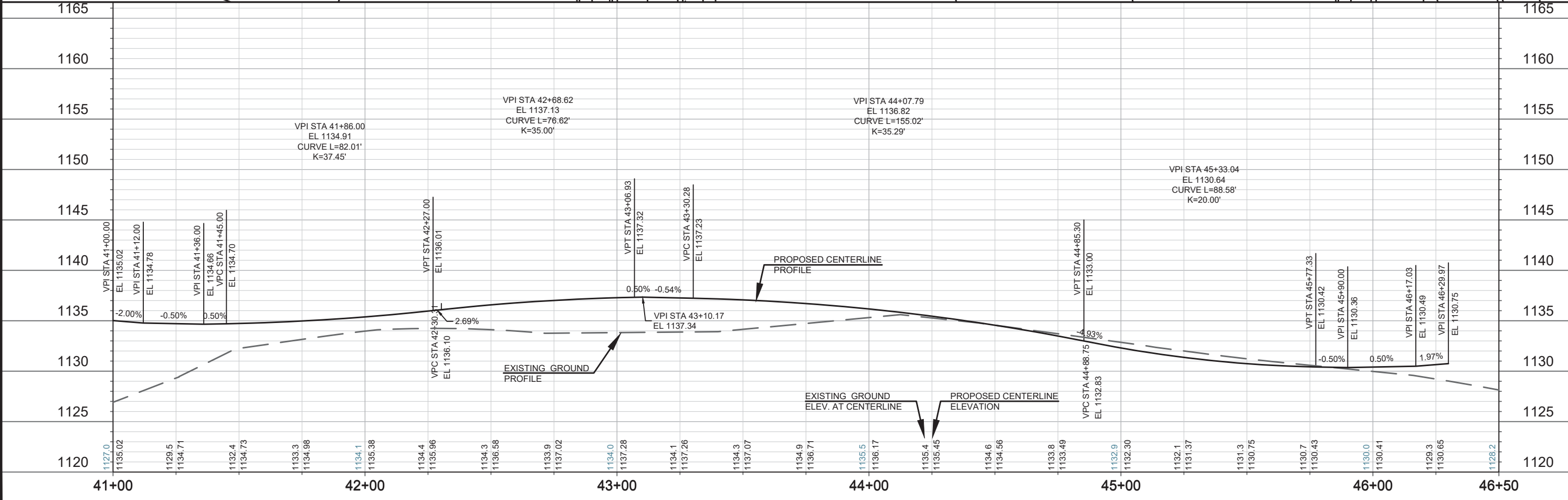
REV. 2020 07-17 IO



NOTE
 1. 5' CONCRETE SIDEWALK.
 2. UNDERDRAIN.
 3. 2' CONCRETE WATERWAY.

STATION OFFSET ELEVATION
 CALLOUTS AT EDGE OF PAVEMENT

REPRINTED TO SHOW
 REMOVED RAMP.



12711
 MADISON, WI
 CONTRACT NO: 8486

CITY OF MADISON
 CHERRY BARK ROAD PLAN & PROFILE
 FIRST ADDITION TO 1000 OAKS - PHASE 8

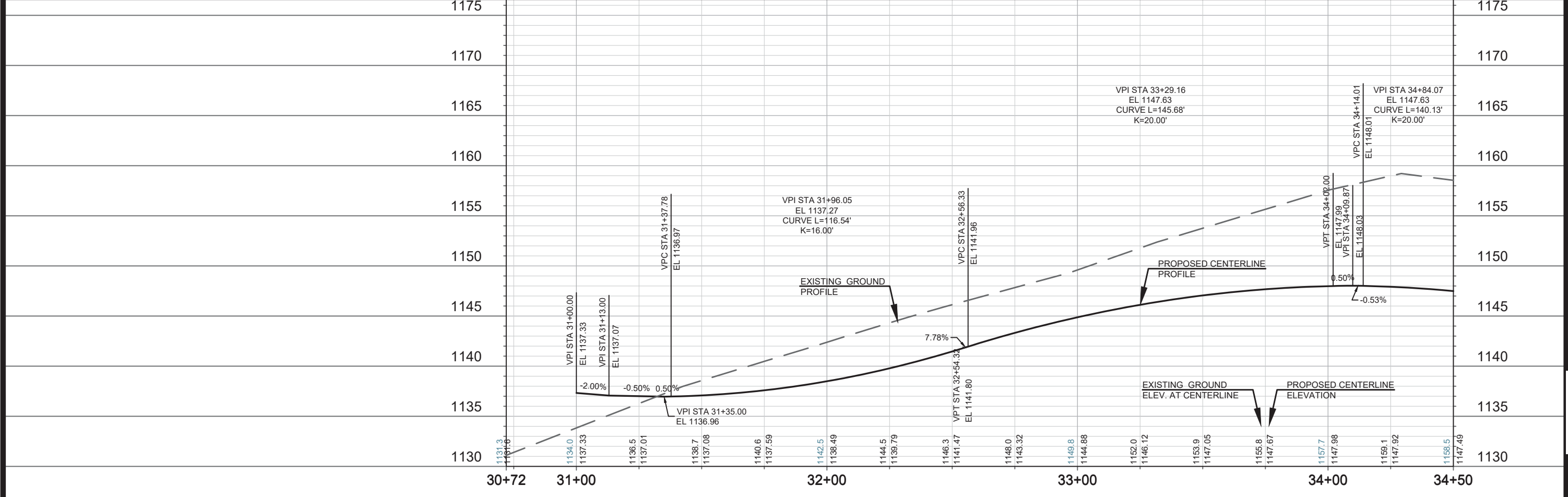
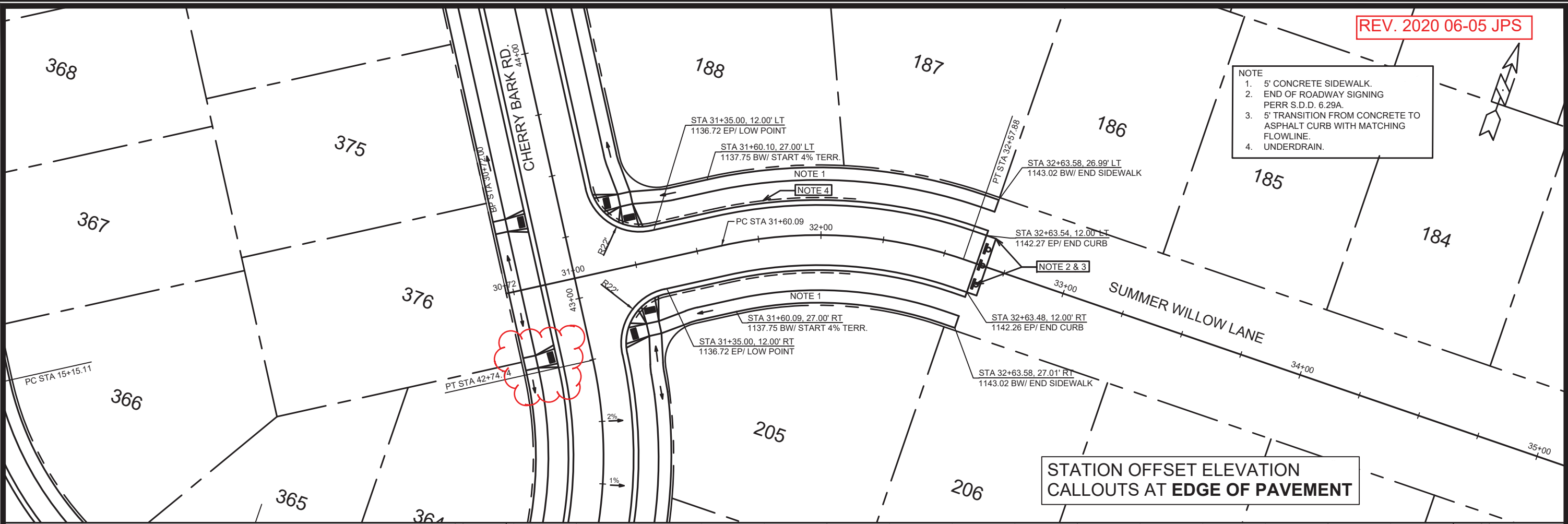
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Designed By: IO Date: 5-8-20 Scale: 1"=40' P-4

REV. 2020 06-05 JPS

- NOTE
1. 5' CONCRETE SIDEWALK.
 2. END OF ROADWAY SIGNING PERR S.D.D. 6.29A.
 3. 5' TRANSITION FROM CONCRETE TO ASPHALT CURB WITH MATCHING FLOWLINE.
 4. UNDERDRAIN.

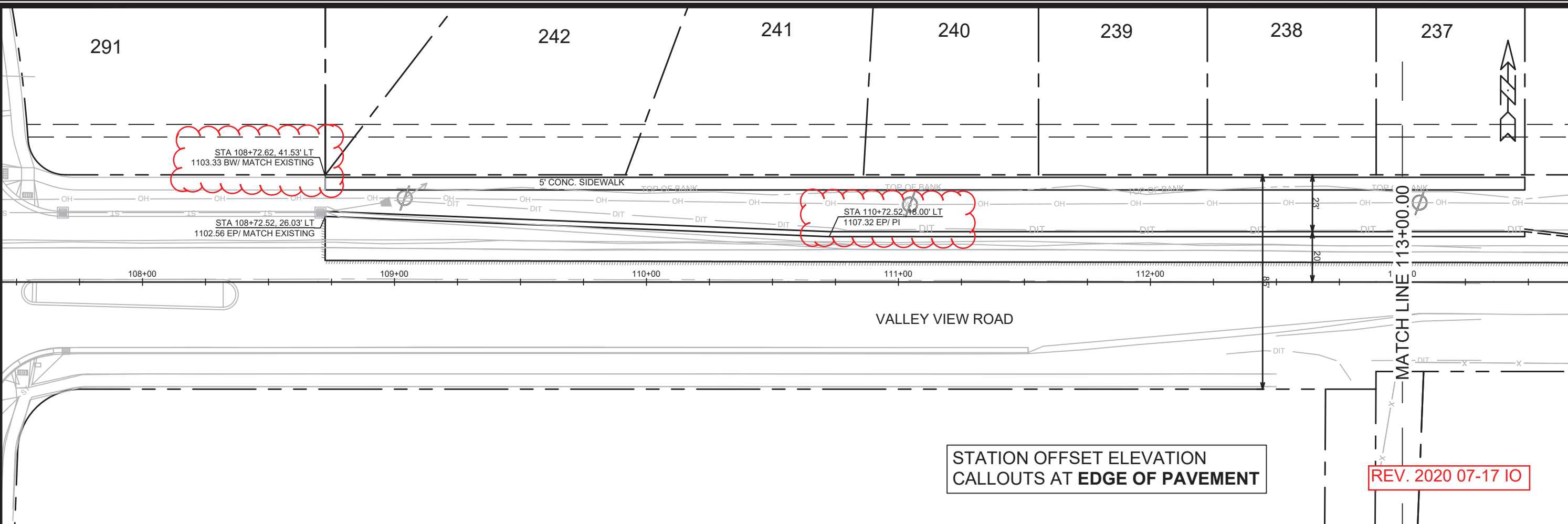


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12711 MADISON, WI 8486 CONTRACT NO. 12711

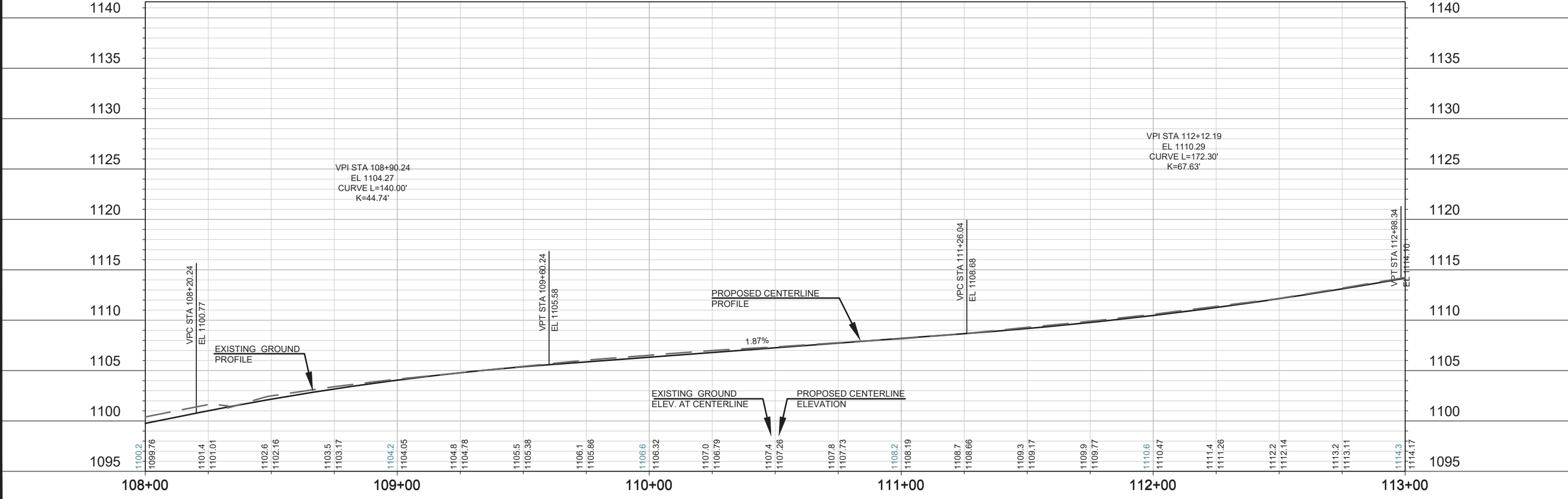
SUMMER WILLOW LANE PLAN & PROFILE
FIRST ADDITION TO 1000 OAKS - PHASE 8
CITY OF MADISON

12711
P-5



STATION OFFSET ELEVATION
CALLOUTS AT EDGE OF PAVEMENT

REV. 2020 07-17 IO



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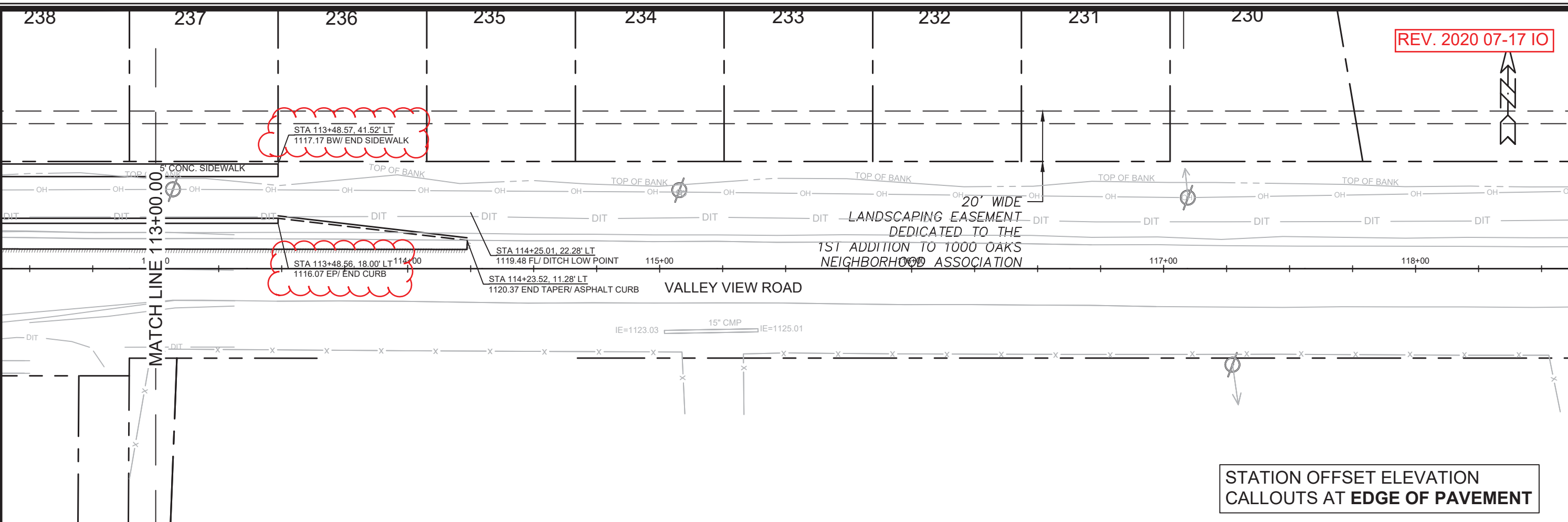
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MADISON, WI
CONTRACT NO: 8486

VALLEY VIEW ROAD PLAN & PROFILE
FIRST ADDITION TO 1000 OAKS - PHASE 8

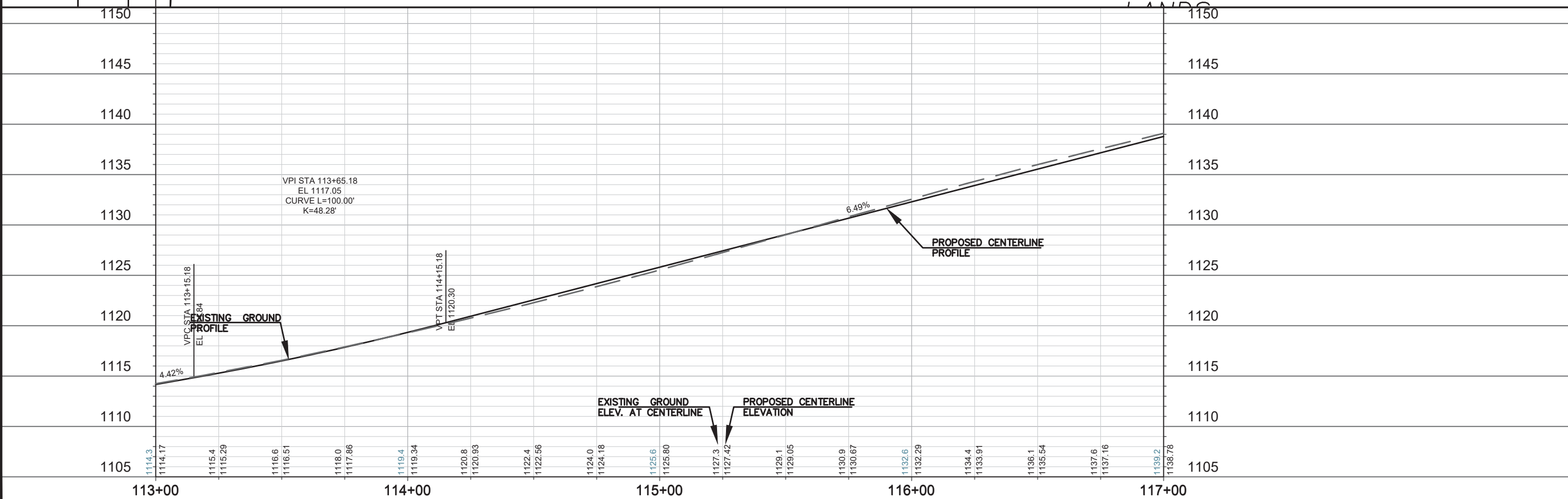


REV. 2020 07-17 IO

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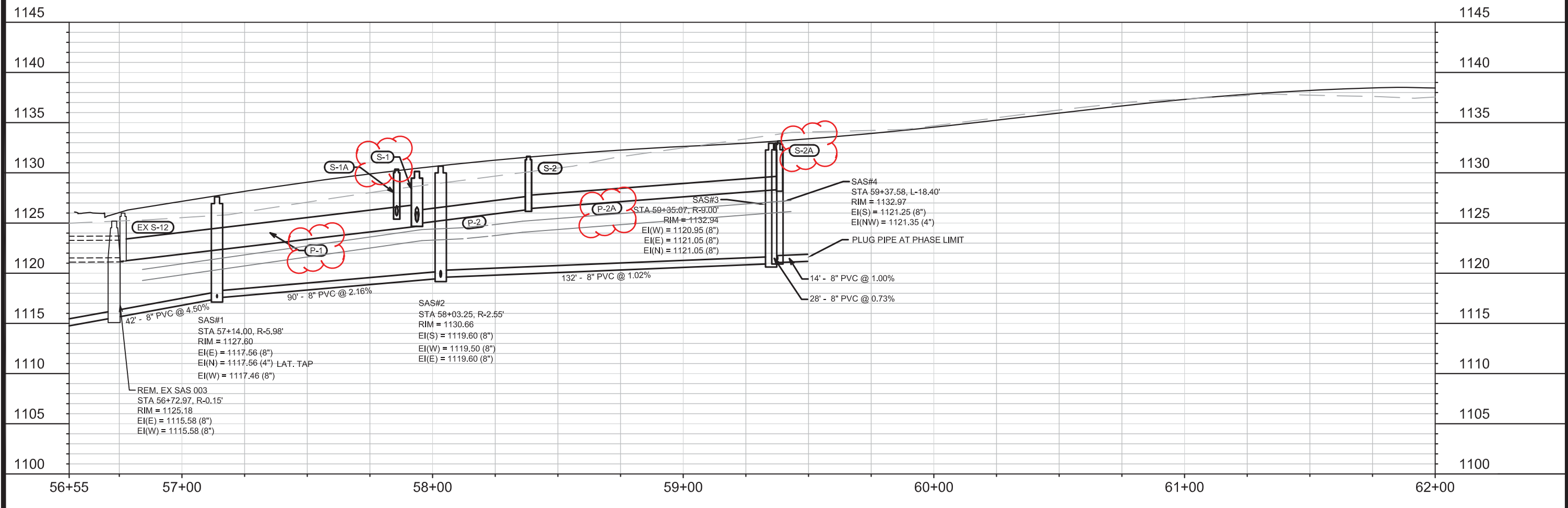
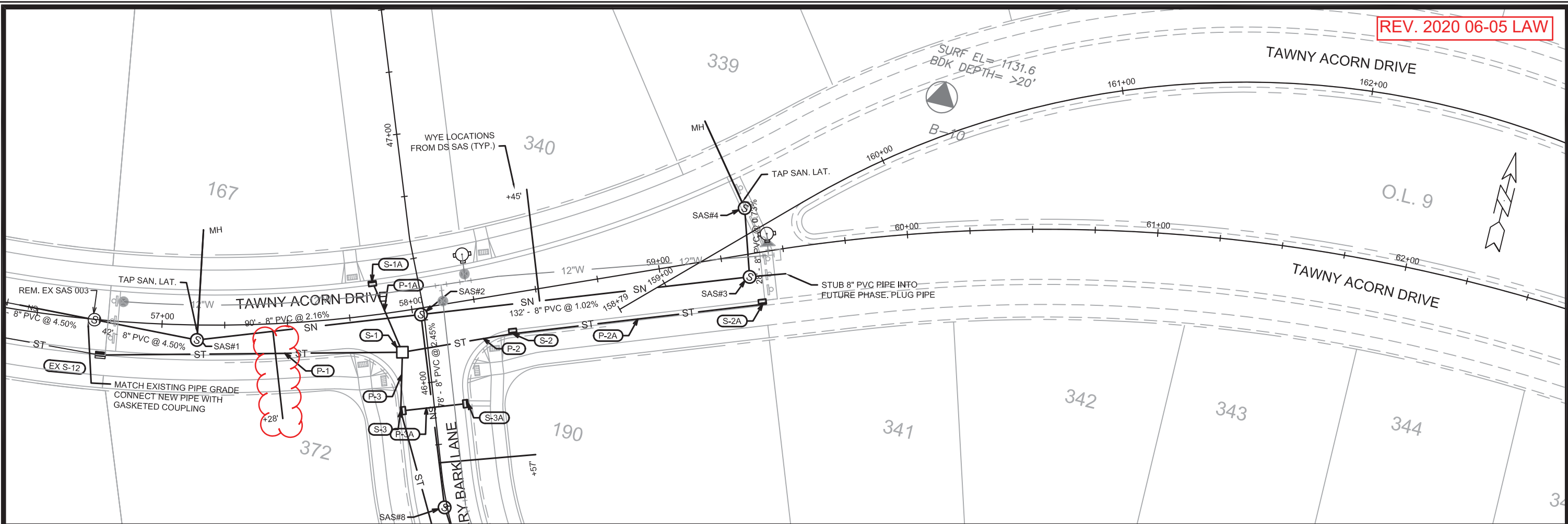


STATION OFFSET ELEVATION CALLOUTS AT **EDGE OF PAVEMENT**



12711
 MADISON, WI
 VALLEY VIEW ROAD PLAN & PROFILE
 FIRST ADDITION TO 1000 OAKS - PHASE 8
 CONTRACT NO: 8486
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REV. 2020 06-05 LAW



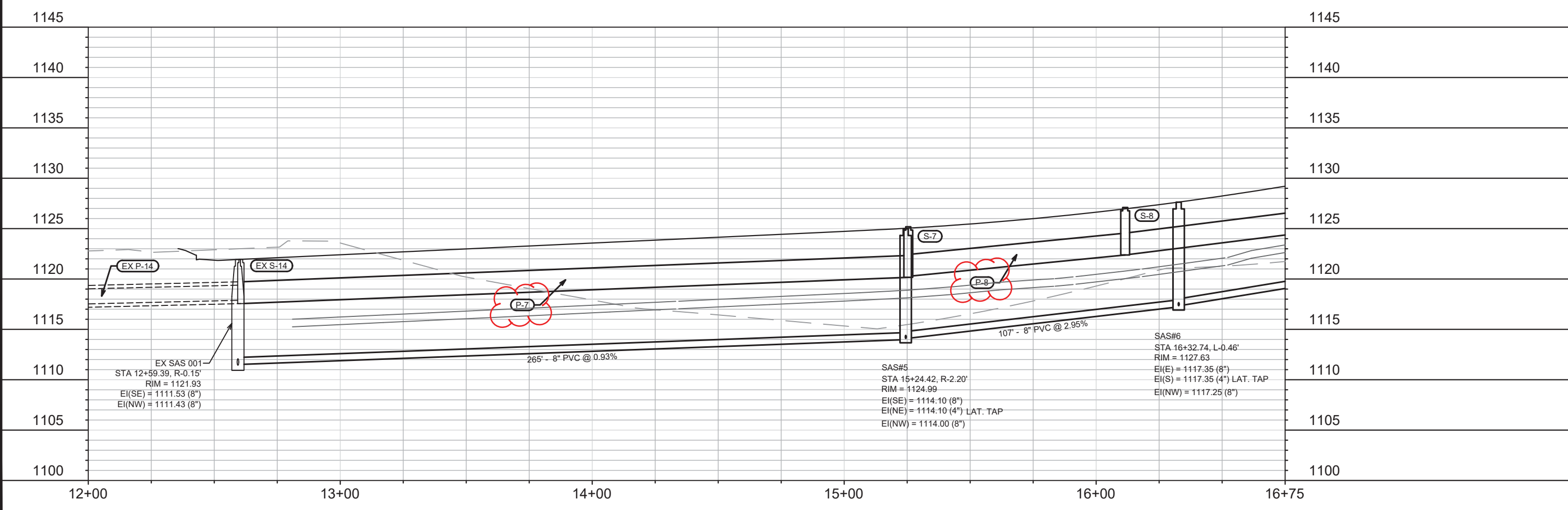
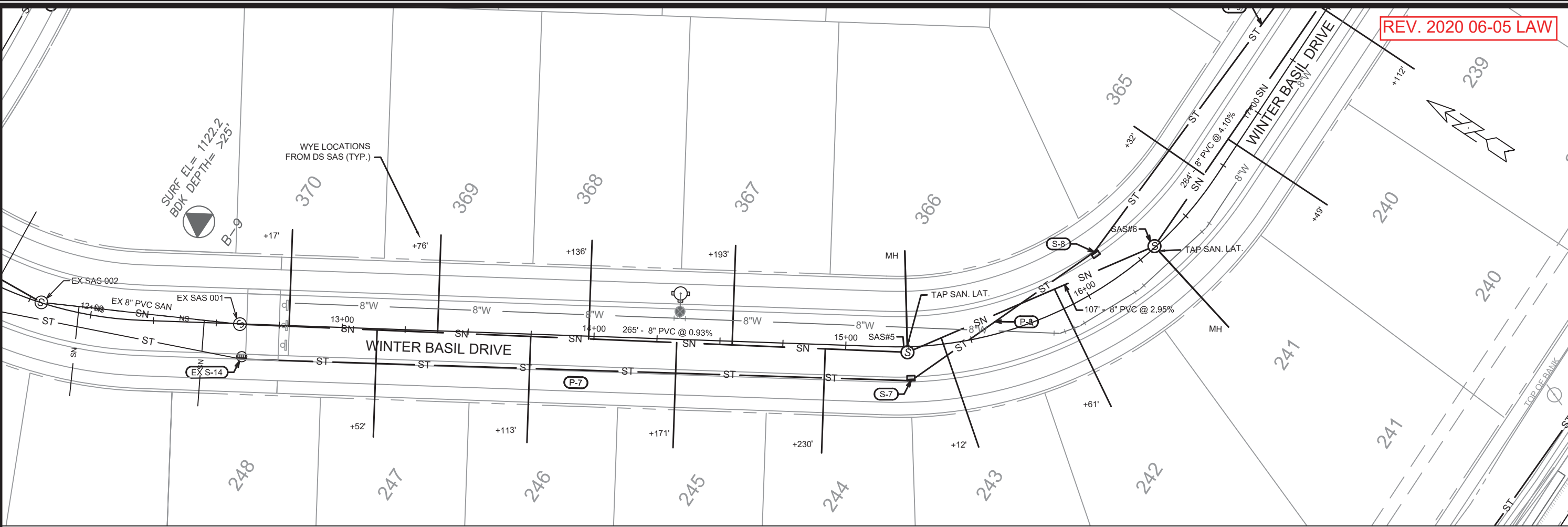
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12711
MADISON, WI
8486
CONTRACT NO:

SEWER PLAN & PROFILES
1000 OAKS PH8
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U-1

REV. 2020 06-05 LAW



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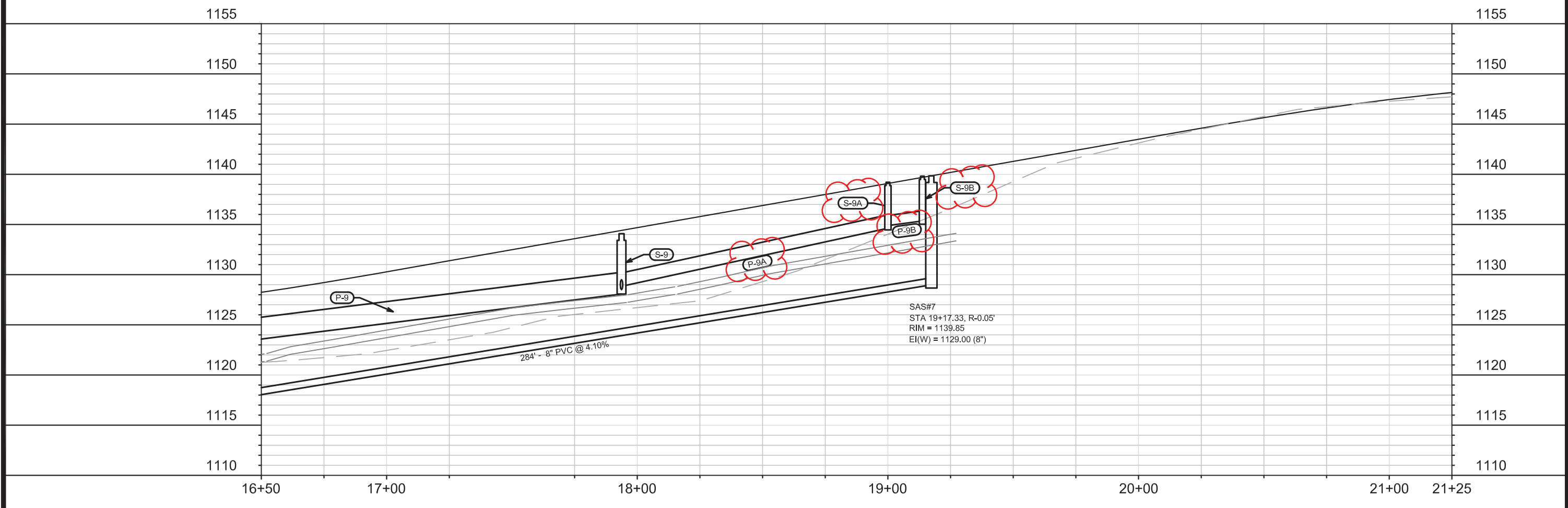
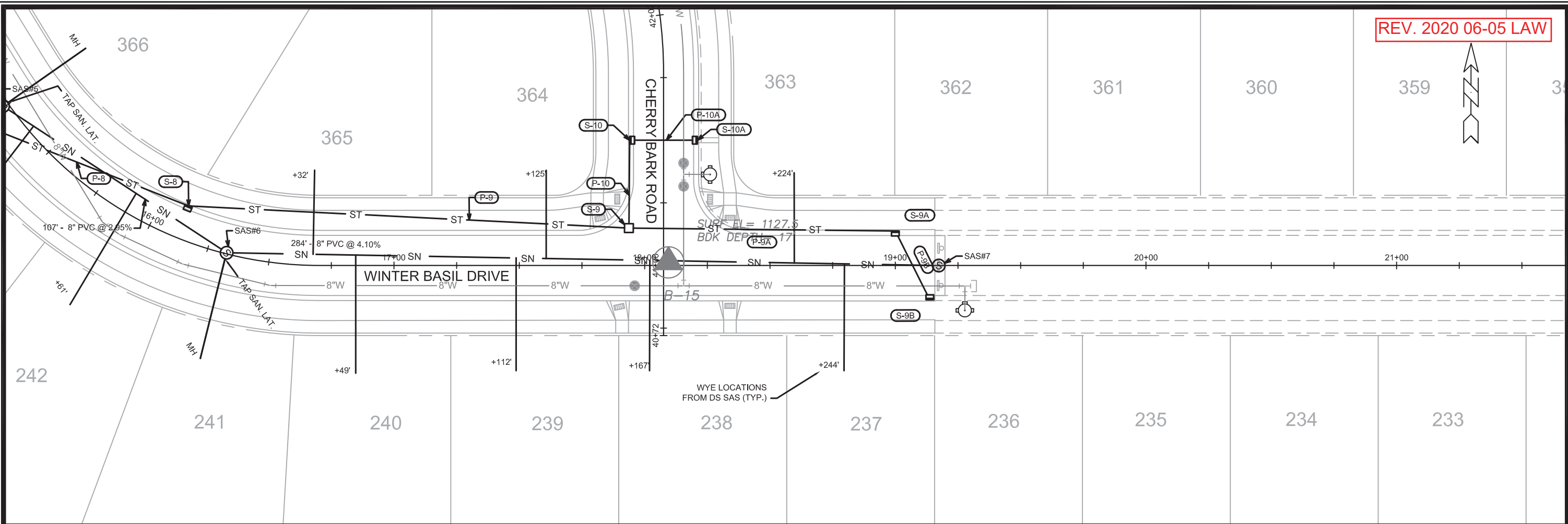
12711
MADISON, WI
CONTRACT NO: 8486

SEWER PLAN & PROFILES
1000 OAKS PH8
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U-2

REV. 2020 06-05 LAW



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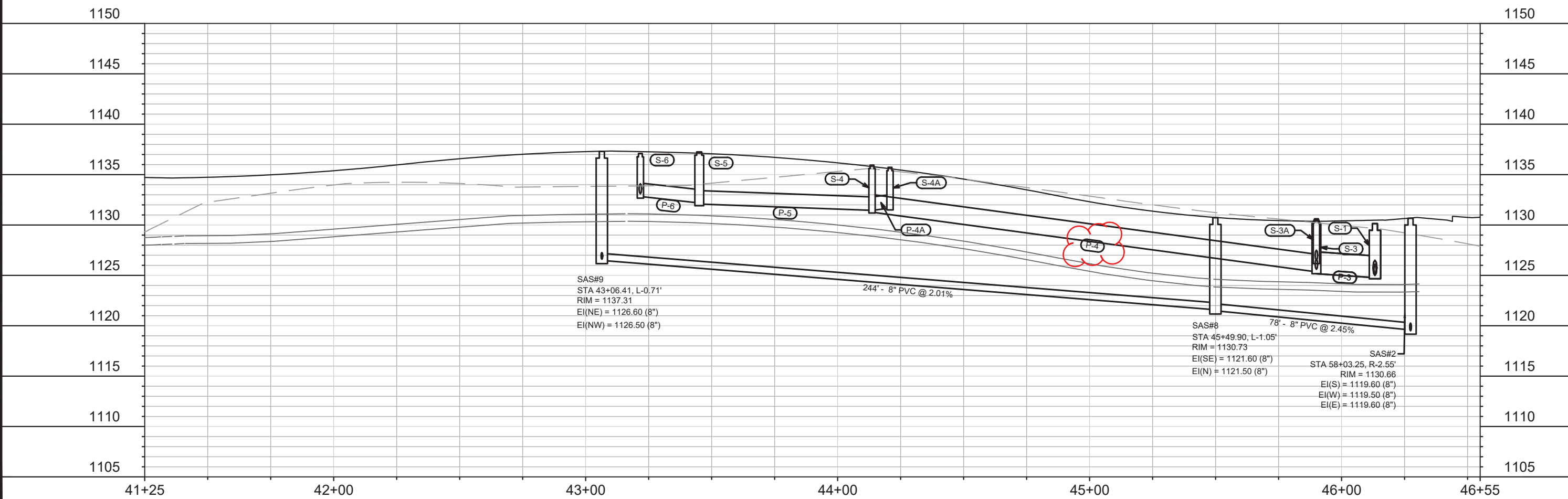
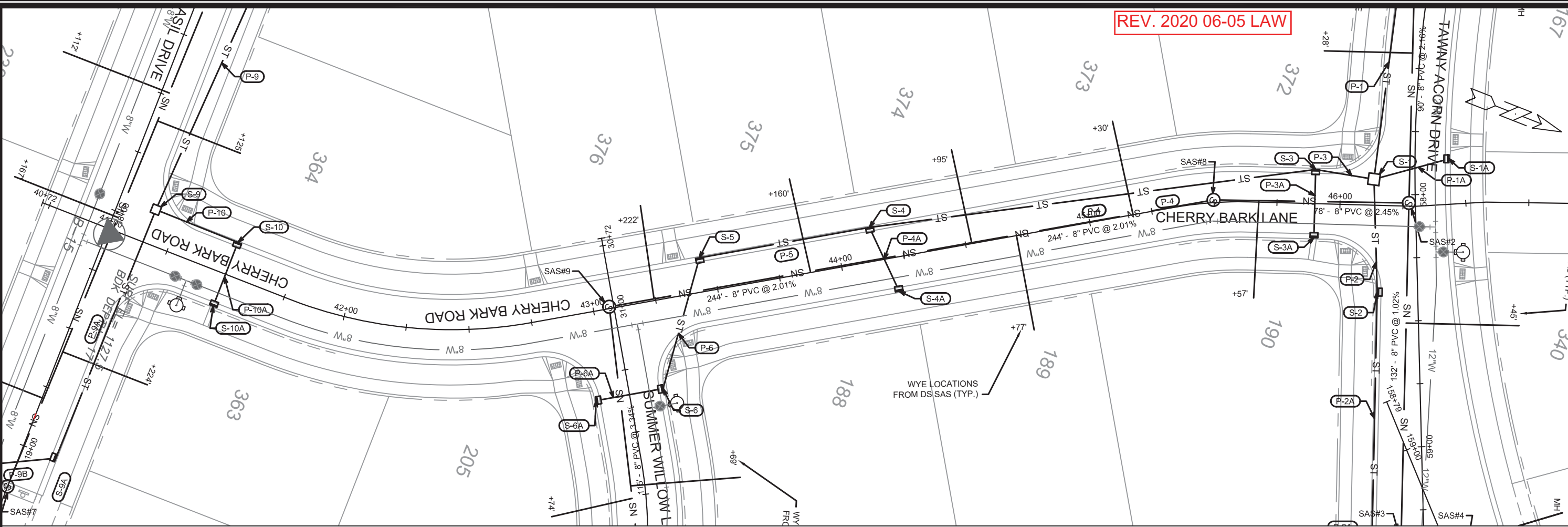
12711
 MADISON, WI
 CONTRACT NO: 8486

SEWER PLAN & PROFILES
 1000 OAKS PH8
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 U-3

REV. 2020 06-05 LAW

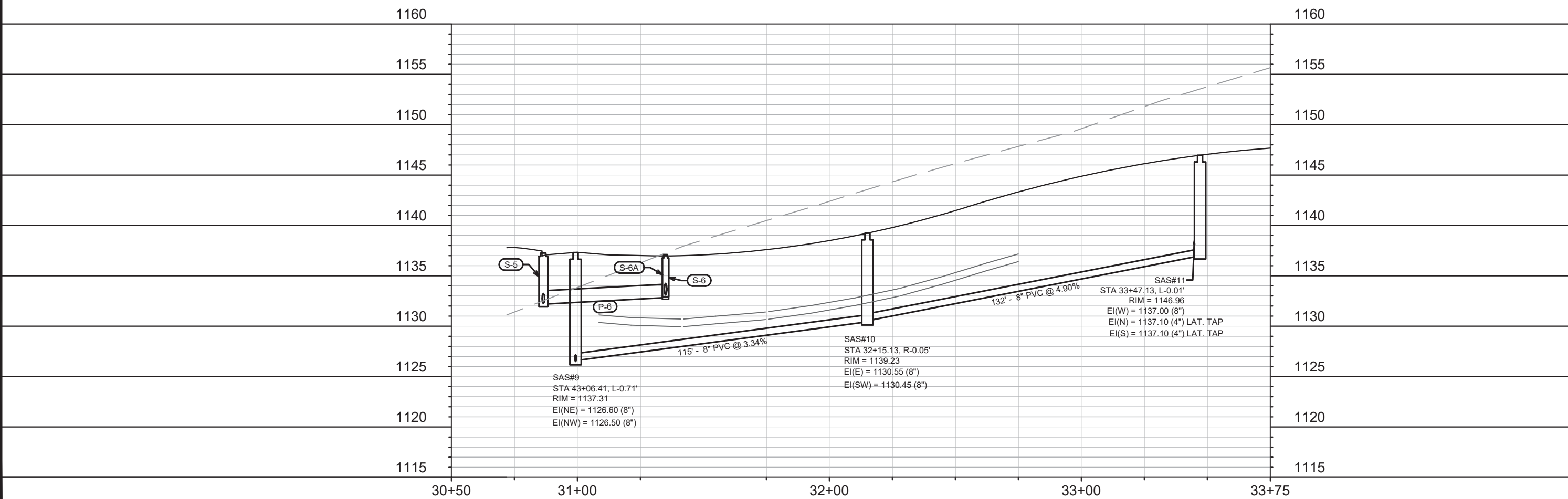
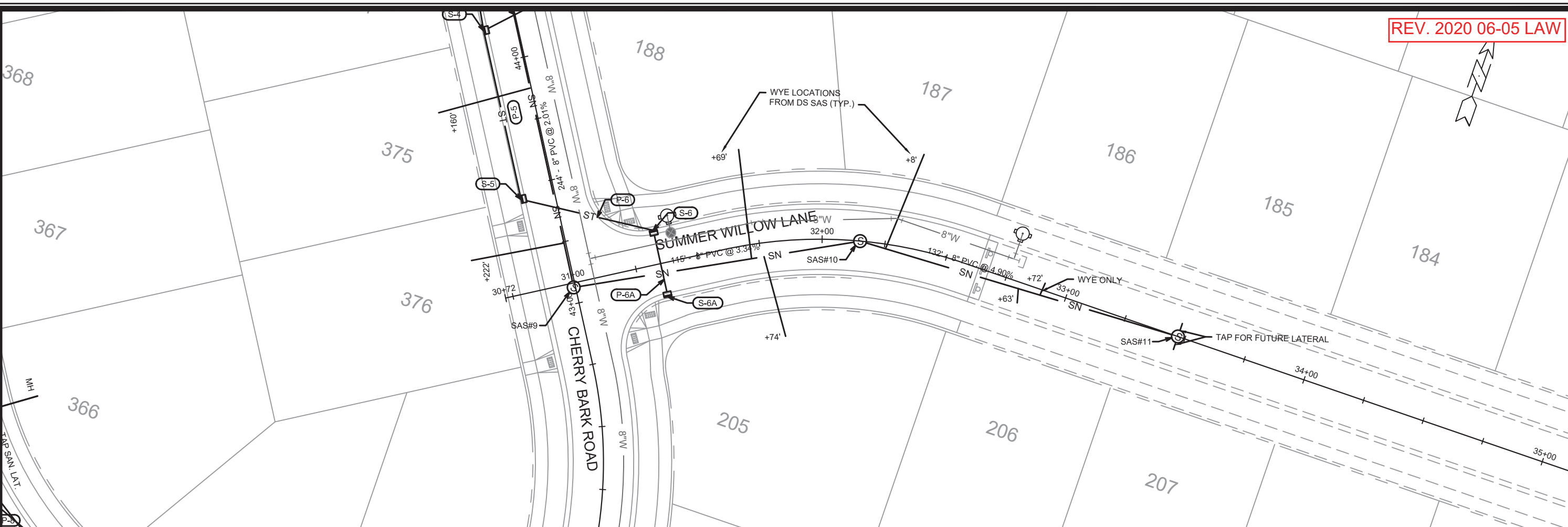


12711
 MADISON, WI
 CONTRACT NO: 8486

SEWER PLAN & PROFILES
 1000 OAKS PH8
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 U-4

REV. 2020 06-05 LAW

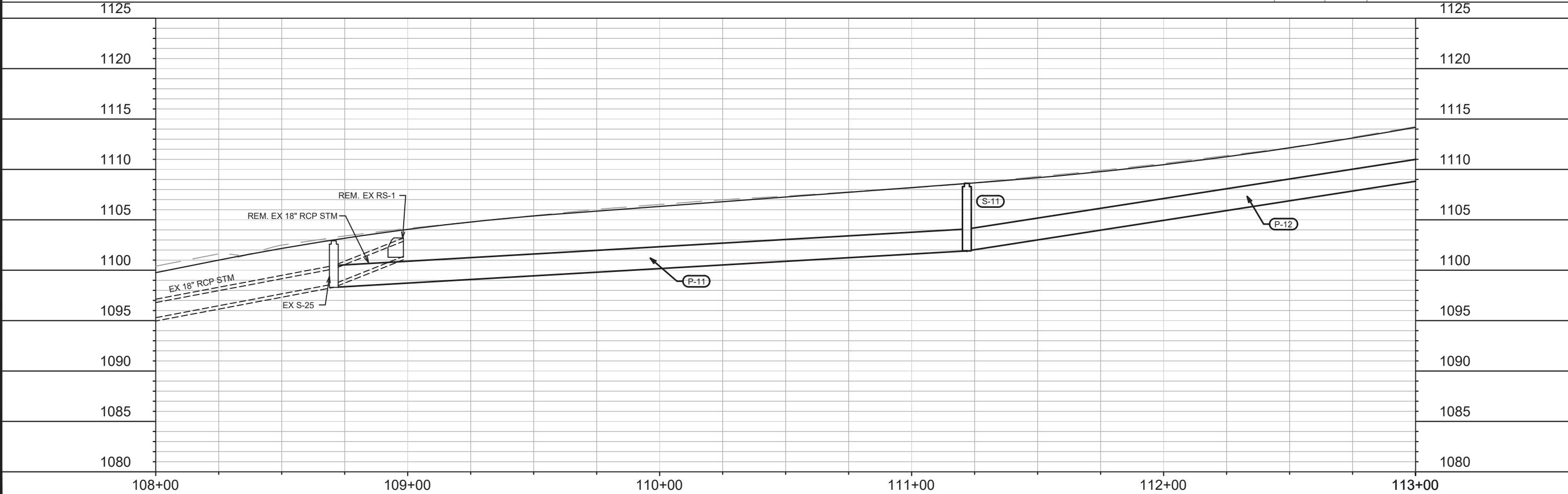
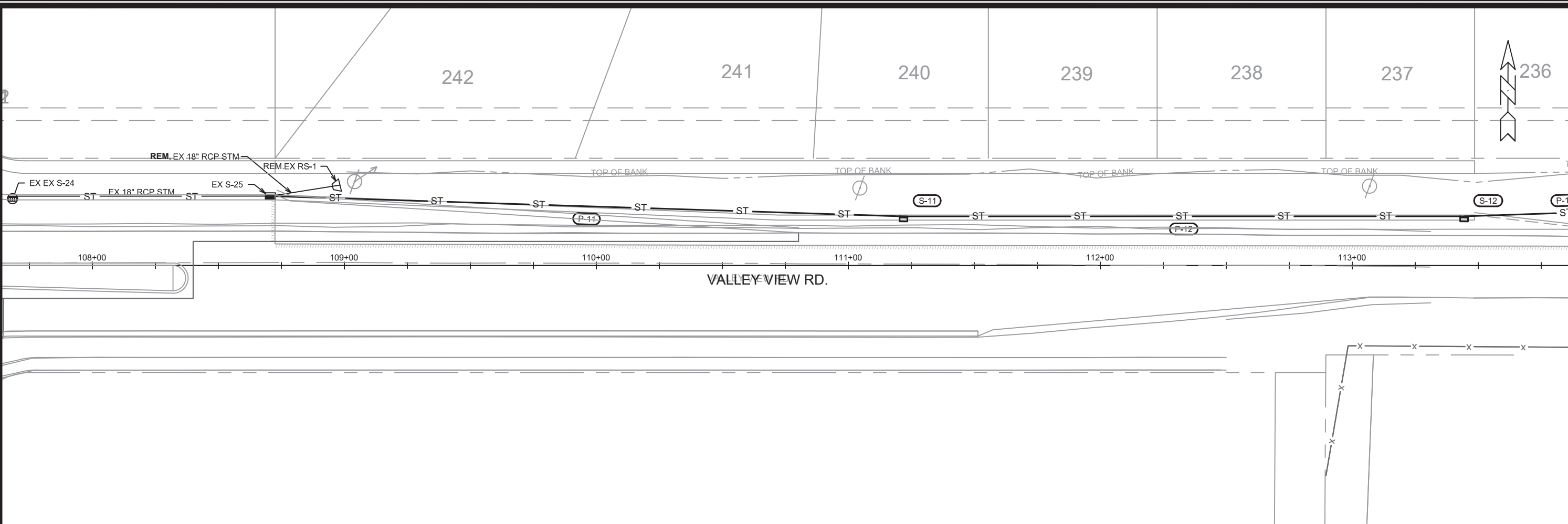


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12711
MADISON, WI
CONTRACT NO: 8486

SEWER PLAN & PROFILES
1000 OAKS PH8
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12711
U-5

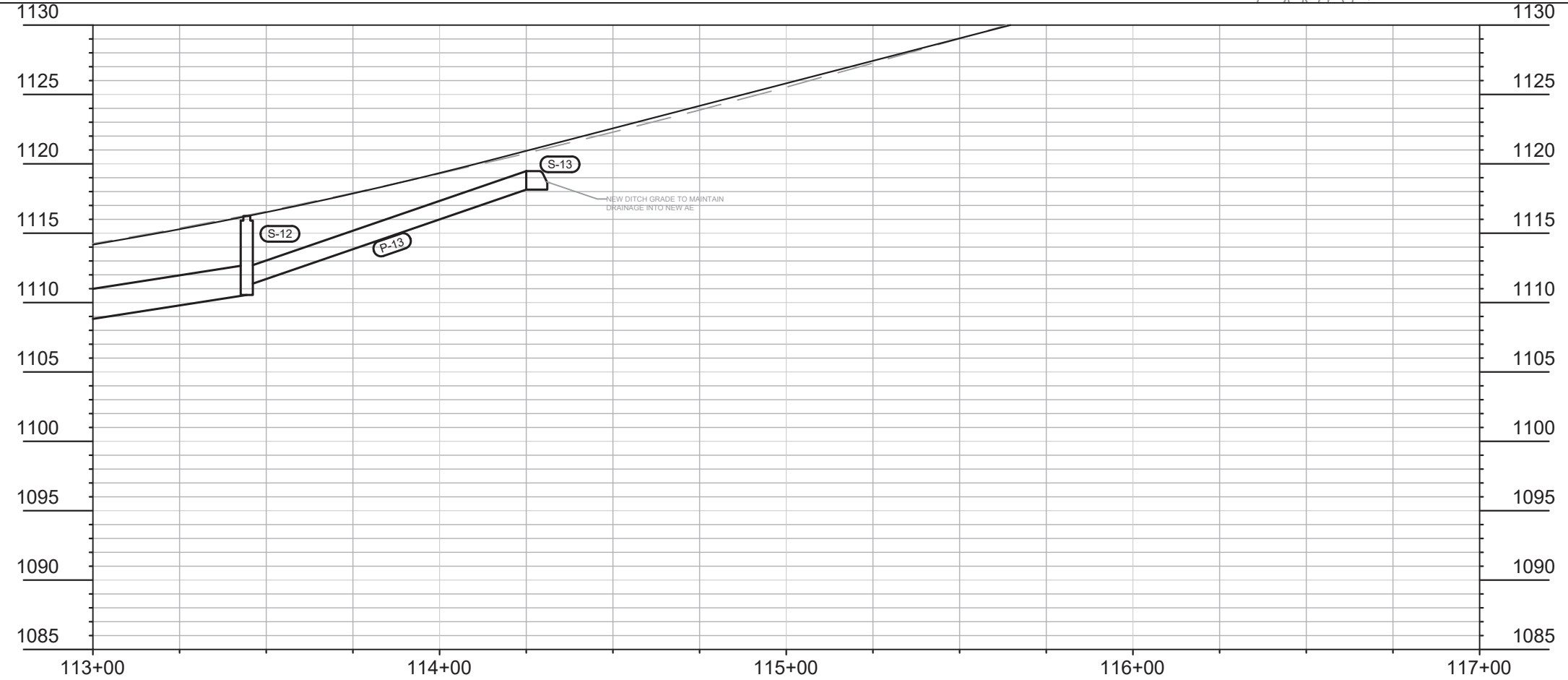
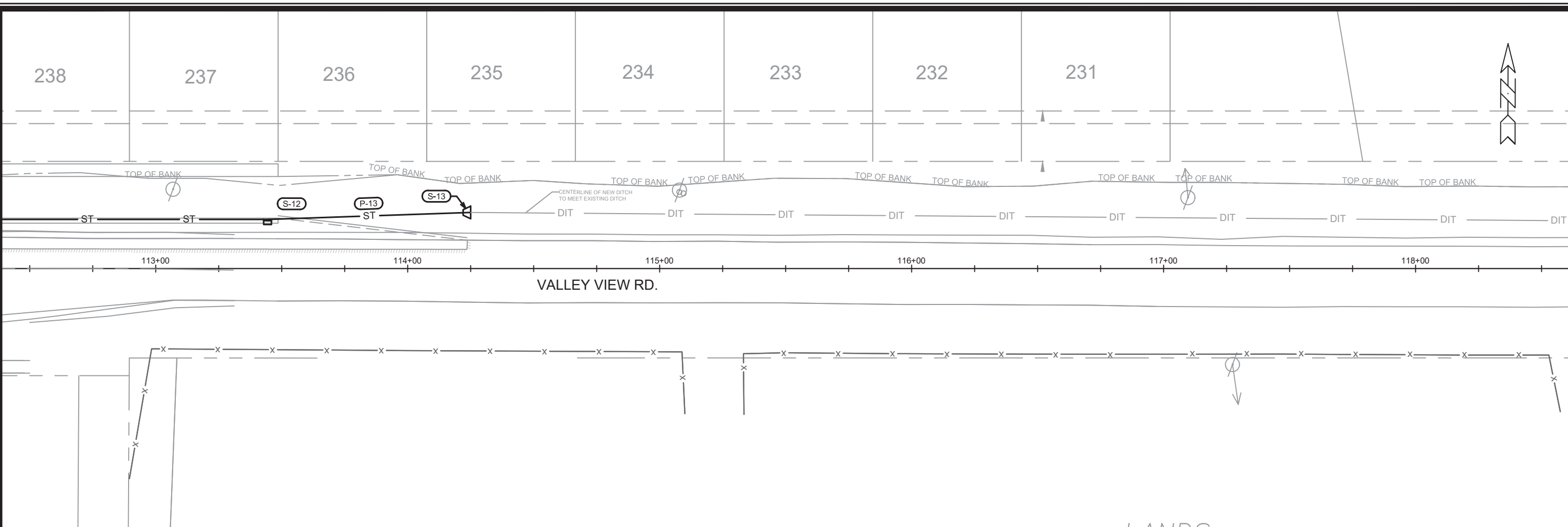


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12711
 MADISON, WI
 CONTRACT NO: 8486

SEWER PLAN & PROFILES
 FIRST ADDITION TO 1000 OAKS - PHASE 8
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12711
 U-6



REVISION	DATE	BY

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12711
 MADISON, WI
 CONTRACT NO: 8486

SEWER PLAN & PROFILES
 FIRST ADDITION TO 1000 OAKS - PHASE 8
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12711
 U-7

SANITARY SEWER SCHEDULE

6/5 REVISIONS INDICATED WITH BOLD TEXT

REV. 2020 06-05 LAW

1000 OAKS PH 8
12711

SHEET NO.
U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

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

TAWNY ACORN DRIVE

SAS#1	57+14.00	RT-5.98	1127.60	1117.46	10.14	-
SAS#2	58+03.25	RT-2.55	1130.66	1119.50	11.16	-
SAS#3	59+35.07	RT-9.00	1132.94	1120.95	11.99	-
SAS#4	59+37.58	LT-18.40	1132.97	1121.25	11.72	-

WINTER BASIL & QUAKING ASPEN

SAS#5	15+24.42	RT-2.20	1124.99	1114.00	10.99	-
SAS#6	16+32.74	LT-0.46	1127.63	1117.25	10.38	-
SAS#7	19+17.33	CL	1139.56	1129.00	10.56	[3]

CHERRY BARK LANE

SAS#8	45+49.90	LT-1.05	1130.73	1121.50	9.23	-
SAS#9	43+06.41	LT-0.71	1137.31	1126.50	10.81	-

SUMMER WILLOW WAY

SAS#10	32+15.13	RT-0.05	1139.23	1130.45	8.78	-
SAS#11	33+47.13	RT-0.01	1146.96	1137.00	9.96	-

VALLEY VIEW RD

-	-	-	-	-	-	-
---	---	---	---	---	---	---

SANITARY STRUCTURE REMOVALS

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
REM. EX SAS 003	56+72.97	RT-0.15	1125.18	1115.58	9.60	-

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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REM. EX SAS 003	SAS#1	1115.58	1117.46	42	4.51%	8"	SDR- 35	[2]
SAS#1	SAS#2	1117.56	1119.50	90	2.16%	8"	SDR- 35	-
SAS#2	SAS#3	1119.6	1120.95	132	1.02%	8"	SDR- 35	-
SAS#3	SAS#4	1121.05	1121.25	28	0.73%	8"	SDR- 35	-

EX SAS 001	SAS#5	1111.53	1114.00	265	0.93%	8"	SDR- 35	-
SAS#5	SAS#6	1114.10	1117.25	107	2.95%	8"	SDR- 35	-
SAS#6	SAS#7	1117.35	1129	278	4.20%	8"	SDR- 35	-

SAS#2	SAS#8	1119.60	1121.50	78	2.45%	8"	SDR- 35	-
SAS#8	SAS#9	1121.60	1126.50	244	2.01%	8"	SDR- 35	-

SAS#9	SAS#10	1126.60	1130.45	115	3.34%	8"	SDR- 35	-
SAS#10	SAS#11	1130.55	1137.00	132	4.90%	8"	SDR- 35	-

NOTES:

[1] INSTALL EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL IN ACCORDANCE WITH S.D.D. 5.7.2

[2] CONNECT EXISTING 8" PVC TO NEW WITH GASKETED REPAIR COUPLING IN ACCORDANCE WITH S.D.D. 5.3.3

[3] SAS TO BE PLACED AT PHASE LIMIT FOR FUTURE CONNECTION

#REF!

STORM SEWER SCHEDULE

6/5 REVISIONS INDICATED WITH BOLD TEXT

REV. 2020 06-05 LAW

1000 OAKS PH 8	SHEET NO.
PROJECT NO. 12711	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*	57+93.78	RT-16.27	4X4 SAS	1130.14	1125.00	5.14	R-1550-0055
S-1A	57+85.69	LT-13.50	H INLET	1130.35	1125.72	4.63	R-3067-7004V
S-2	58+38.24	RT-16.04	H INLET	1131.63	1126.50	5.13	R-3067-7004V
S-2A	59+38.40	RT-20.69	H INLET	1133.17	1128.50	4.67	R-3067-7004V
CHERRY BARK LANE							
S-3*	45+90	LT-13.50	H INLET	1130.50	1125.50	5.00	LP w/R-3067-7004VB [3]
S-3A*	45+90	RT-13.50	H INLET	1130.62	1126.50	4.12	LP w/R-3067-7004VB [3]
S-4	44+13.63	LT-13.50	H INLET	1135.94	1131.52	4.42	R-3067-7004V
S-4A	44+20.77	RT-13.50	H INLET	1135.72	1131.83	3.89	R-3067-7004V
S-5	43+45.06	LT-13.50	3X3 SAS + INLET	1137.26	1132.25	5.01	R-3067-7004V
S-10*	41+50	LT-13.50	H INLET	1134.87	1130.10	4.77	R-3067-7004V
S-10A*	41+50	RT-13.50	H INLET	1135.35	1130.75	4.60	LP w/R-3067-7004VB
SUMMER WILLOW WAY							
S-6*	31+35.00	LT-13.50	H INLET	1137.10	1133	4.10	LP w/R-3067-7004VB [3]
S-6A*	31+35.00	RT-13.50	H INLET	1137.10	1133.25	3.85	LP w/R-3067-7004VB [3]
WINTER BASIL & QUAKING ASPEN DRIVE							
S-7	15+25.43	RT-13.50	3X3 SAS + INLET	1125.18	1120.50	4.68	R-3067-7004V
S-8	16+11.51	LT-13.50	H INLET	1127.10	1122.72	4.38	R-3067-7004V
S-9*	17+93.72	LT-14.92	3X3 SAS	1134.09	1128.40	5.69	R-1550-0055
S-9A*	19+00	LT-13.76	H INLET	1139.21	1134.79	4.42	R-3067-7004V
S-9B*	19+13.77	RT-13.70	H INLET	1139.81	1135.86	3.95	R-3067-7004V
VALLEY VIEW							
S-11	111+21.94	LT-19.50	3X3 SAS + INLET	1108.62	1102.25	6.37	R-3067-7004V
S-12	113+44.41	LT-19.50	3X3 SAS + INLET	1116.24	1110.88	5.36	R-3067-7004V
S-13	114+25.00	LT-22.28	12" AE	---	1119.48	---	12" AE GRATE [1][2]

STORM STRUCTURE REMOVALS

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
VALLEY VIEW							
RS-1	108+98.29	RT-31.92	18" AE	1103.20	1101.37	1.83	REMOVE

SPECIFIC NOTES

- [1] INLET STRUCTURE IE @ FLOWLINE OF PROPOSED DITCH
- [2] 12" AE GRATE CONSTRUCTED & INSTALLED IN ACCORDANCE WITH S.D.D. 5.6.1
- [3] INSTALL 2" PVC DRAIN PIPE PER CITY OF MADISON 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.
- KOR N SEAL BOOTS OR EQUIVALENT SHALL BE USED FOR ALL PIPE CONNECTIONS TO 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 S-12	S-1	1121.54	1125.00	121	118	2.93%	18"	RCP	-
P-1A	S-1	S-1A	1125.10	1125.72	31	28	2.23%	12"	RCP	-
P-2	S-1	S-2	1125.10	1126.50	45	42	3.31%	12"	RCP	-
P-2A*	S-2	S-2A	1126.60	1128.50	100	98	1.93%	12"	RCP	-
P-3*	S-1	S-3	1125.10	1125.50	23	20	1.96%	18"	RCP	-
P-3A	S-3	S-3A	1125.60	1126.50	27	24	3.74%	12"	RCP	-
P-4*	S-3	S-4	1125.60	1131.52	179	176	3.36%	15"	RCP	-
P-4A	S-4	S-4A	1131.62	1131.83	28	25	0.85%	12"	RCP	-
P-5	S-4	S-5	1131.62	1132.25	69	66	0.95%	12"	RCP	-
P-10A	S-10	S-10A	1130.20	1130.75	27	24	2.29%	12"	RCP	-
P-10	S-9	S-10	1128.50	1130.10	35	33	4.90%	12"	RCP	-
P-6	S-5	S-6	1132.35	1133.00	54	51	1.27%	12"	RCP	-
P-6A	S-6	S-6A	1133.10	1133.25	27	24	0.62%	12"	RCP	-
P-7*	EX S-14	S-7	1117.89	1120.50	266	263	0.99%	18"	RCP	-
P-8*	S-7	S-8	1120.60	1122.72	89	86	2.46%	18"	RCP	-
P-9	S-8	S-9	1122.72	1128.40	176	173	3.28%	15"	RCP	-
P-9A*	S-9	S-9A	1129.00	1134.79	106	104	5.57%	12"	RCP	-
P-9B*	S-9A	S-9B	1134.89	1135.36	31	27	1.72%	12"	RCP	-
P-11	EX S-25	S-11	1098.63	1102.25	251	248	1.46%	18"	RCP	-
P-12	S-11	S-12	1102.25	1110.88	222	220	3.93%	18"	RCP	-
P-13	S-12	S-13	1111.38	1119.48	81	80	10.19%	12"	RCP	-

STORM PIPE REMOVALS

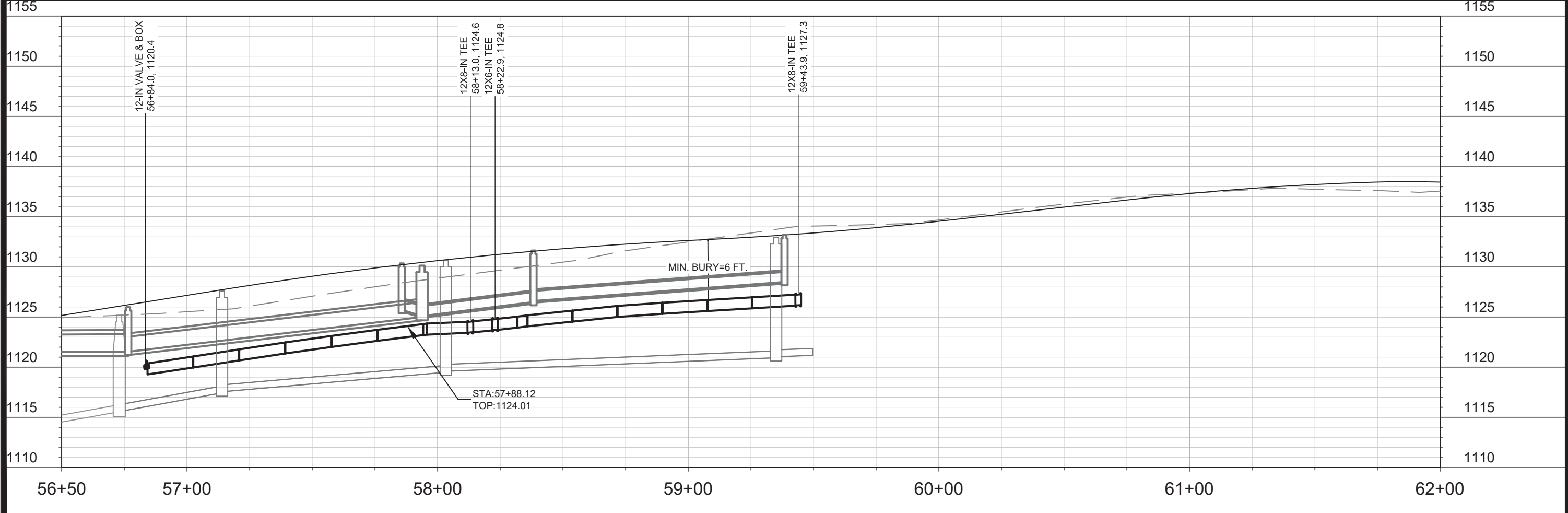
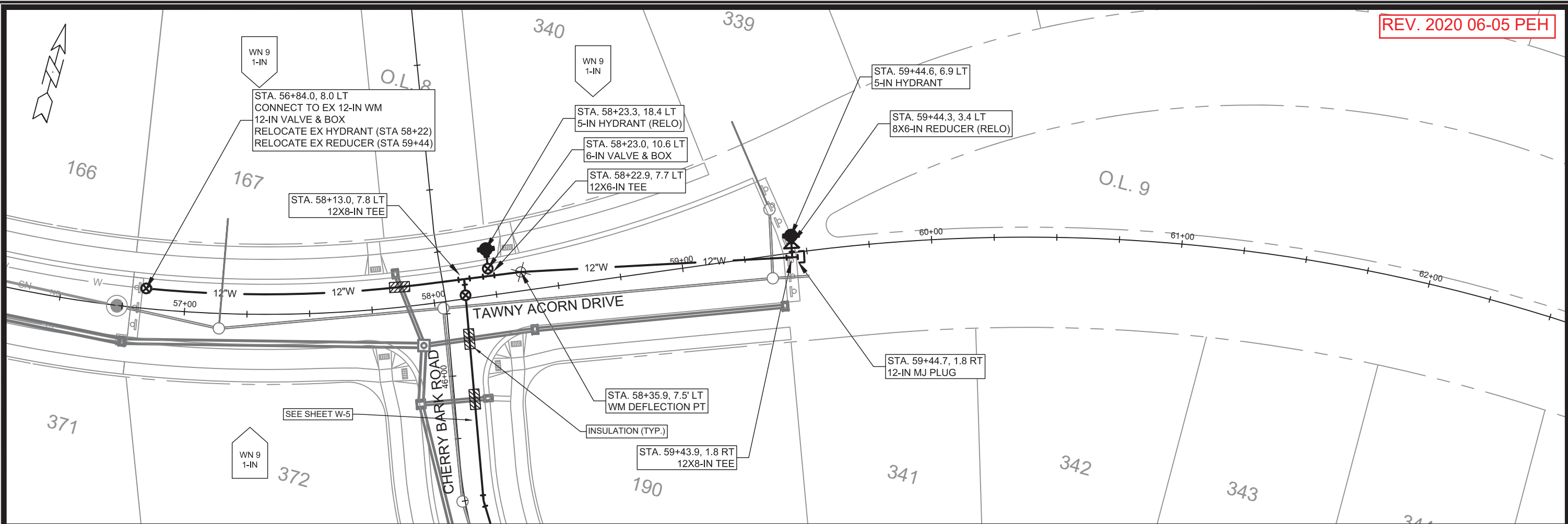
PIPE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
VALLEY VIEW							
RP-1	108.98.29	108+70.67	26	18"	RCP	Y	REMOVE TO INLET

GENERAL 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 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 LUCAS WARDELL OF CITY ENGINEERING AT (608) 243-5894 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO LWARDELL@CITYOFMADISON.COM.

REV. 2020 06-05 PEH



SCALE: 1" = 40'
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/8/20

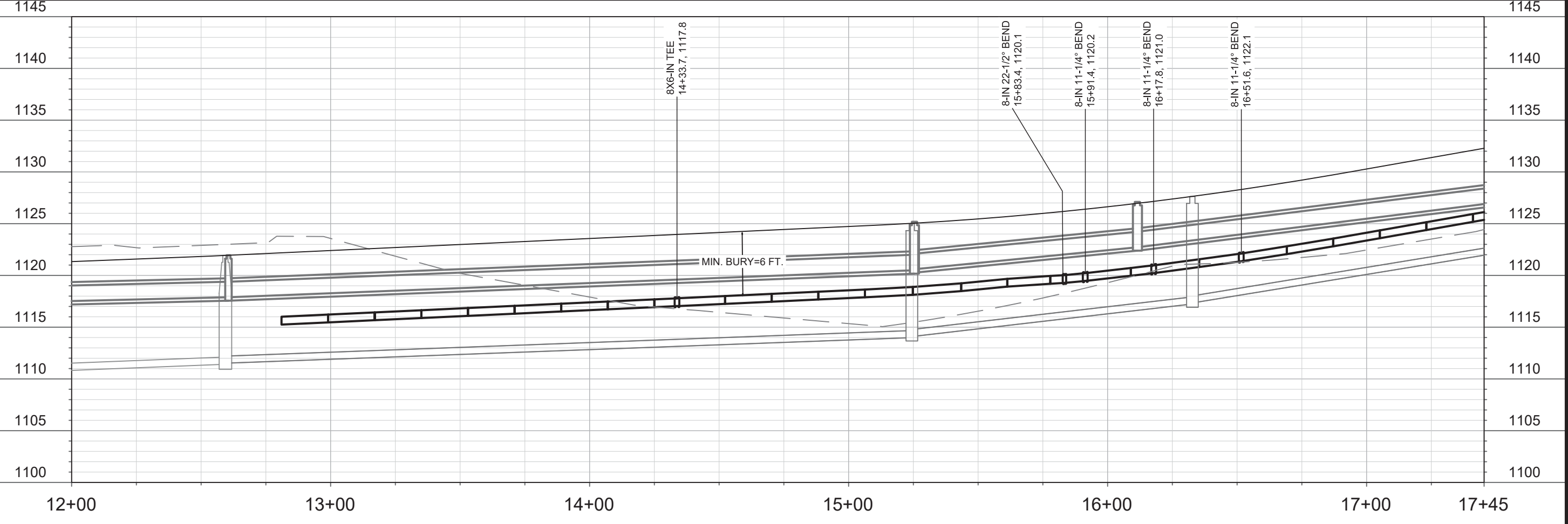
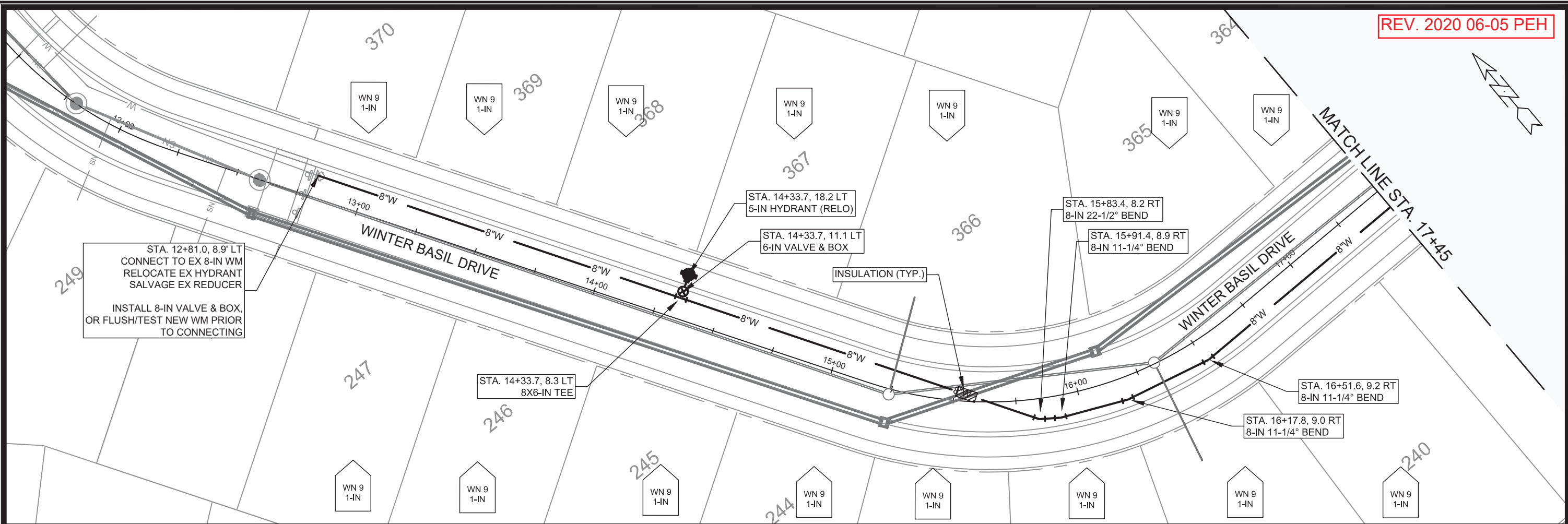
CONTRACT NO: 8486

FIRST ADDITION TO 1000 OAKS - PHASE 8
 WATER PLAN & PROFILE: TAWNY ACORN DRIVE
CITY OF MADISON, WISCONSIN



12711
 W-1

REV. 2020 06-05 PEH



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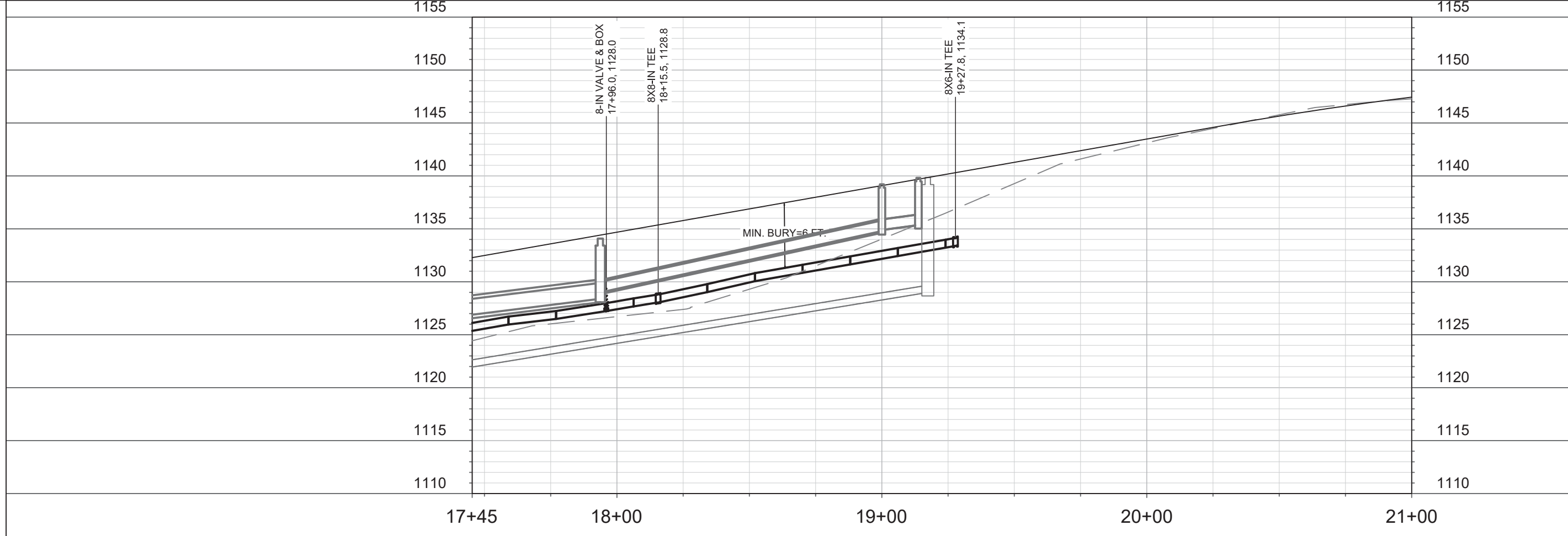
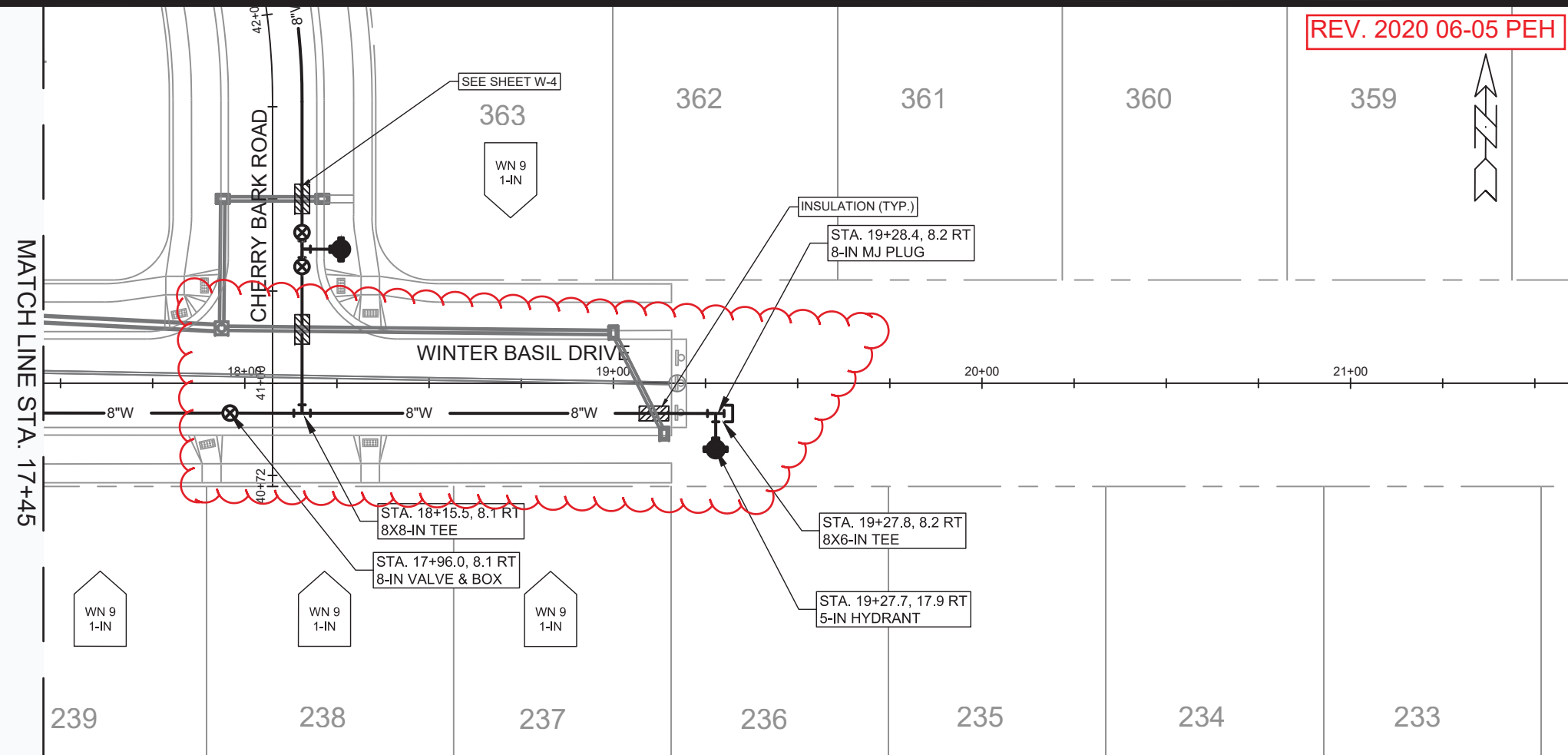
CONTRACT NO: 8486

FIRST ADDITION TO 1000 OAKS - PHASE 8
 WATER PLAN & PROFILE: WINTER BASIL DRIVE
 CITY OF MADISON, WISCONSIN



12711
 W-2

REV. 2020 06-05 PEH



SCALE: 1" = 40'
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/8/20

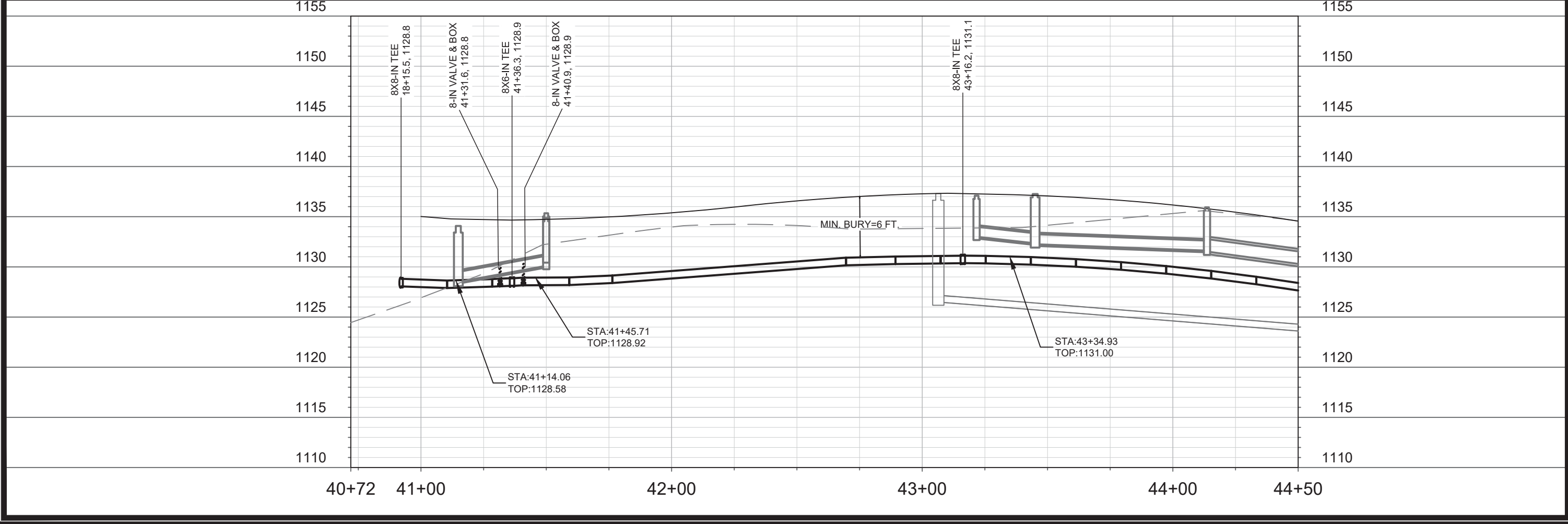
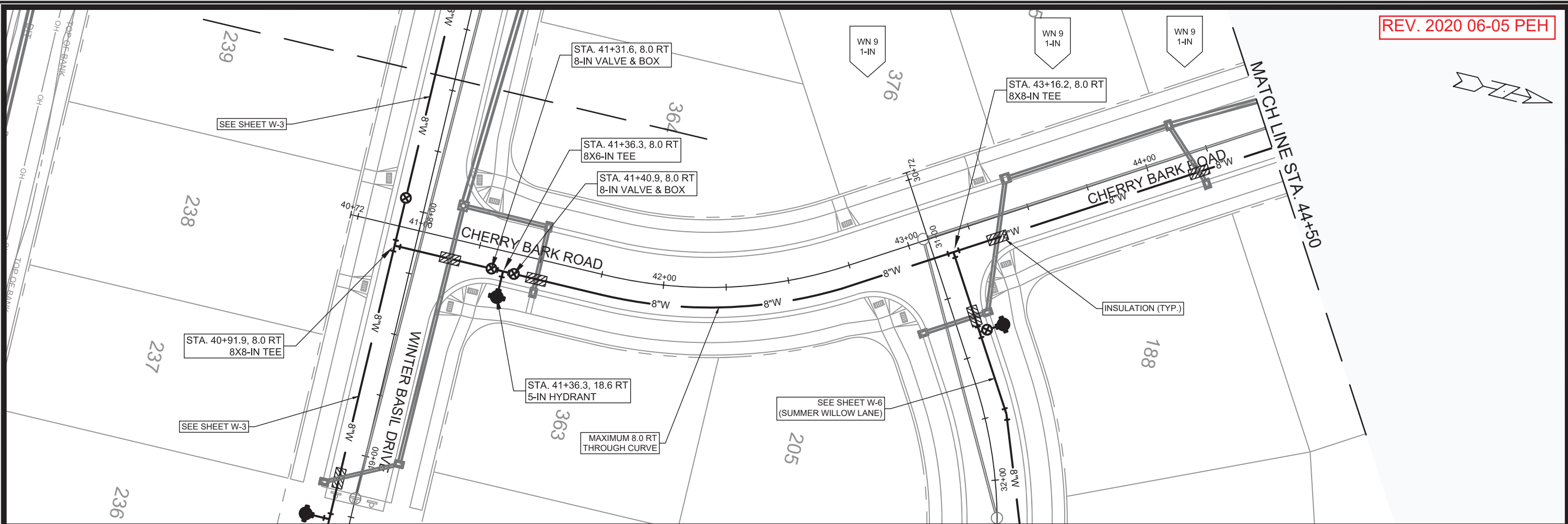
CONTRACT NO: 8486

FIRST ADDITION TO 1000 OAKS - PHASE 8
 WATER PLAN & PROFILE: WINTER BASIL DRIVE
CITY OF MADISON, WISCONSIN



12711
 W-3

REV. 2020 06-05 PEH



SCALE: 1" = 40'
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 119 E OLIN AVE, MADISON, WI 53713
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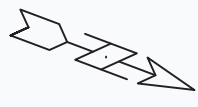
CONTRACT NO: 8486

FIRST ADDITION TO 1000 OAKS - PHASE 8
 WATER PLAN & PROFILE: CHERRY BARK ROAD
CITY OF MADISON, WISCONSIN

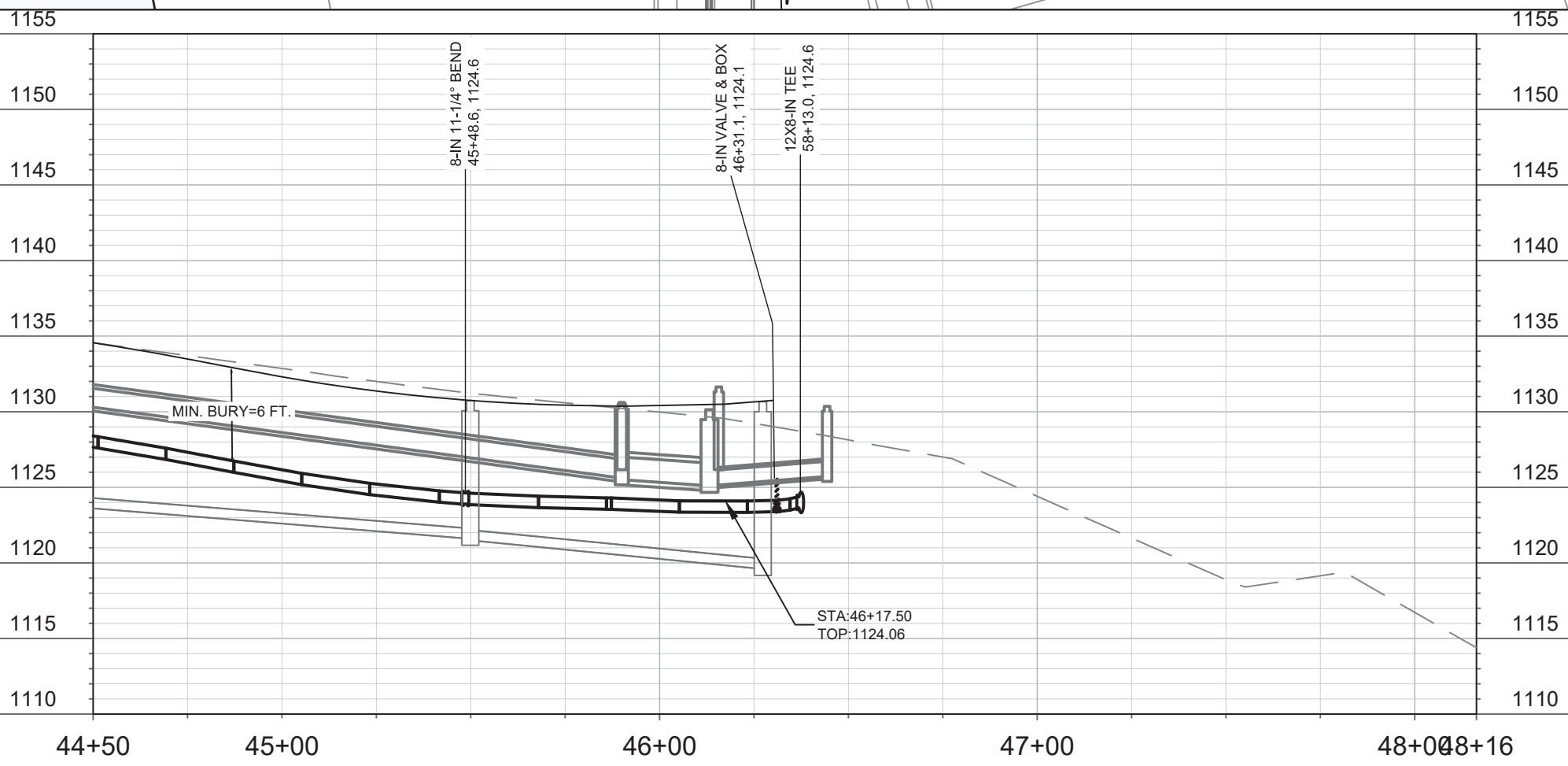
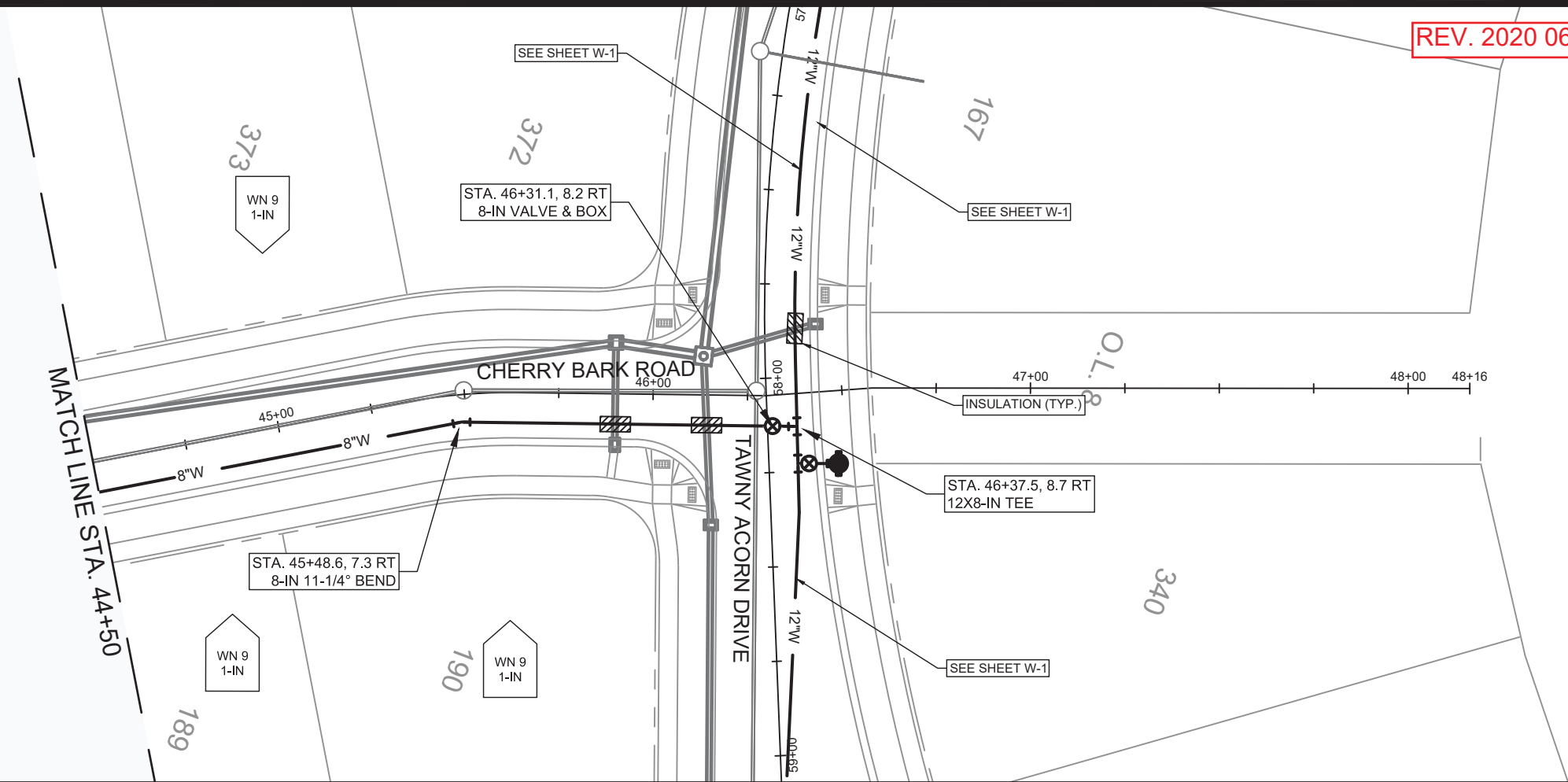


12711
 W-4

REV. 2020 06-05 PEH



MATCH LINE STA. 44+50



SCALE: 1" = 40'
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/8/20

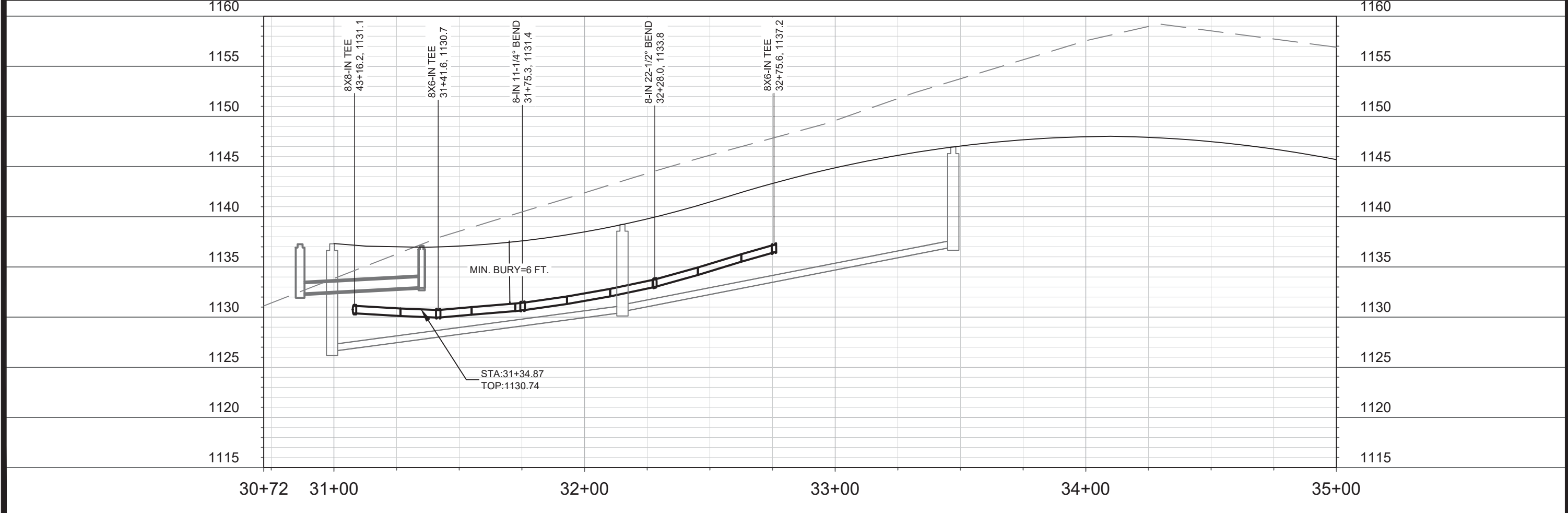
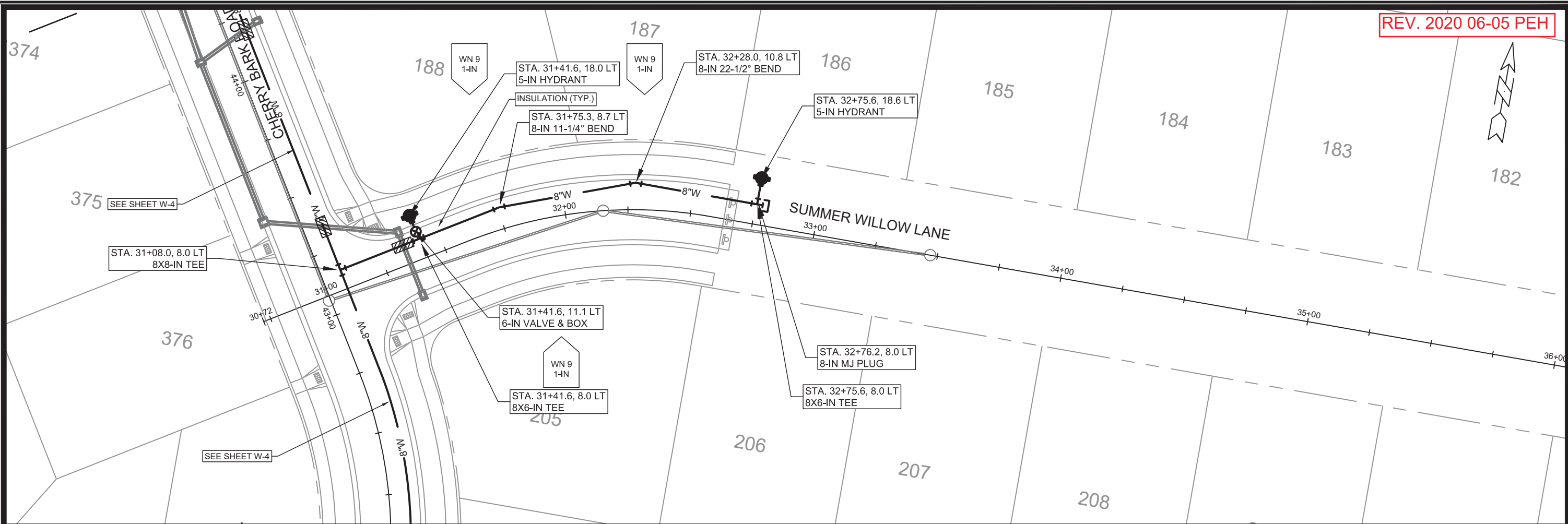
CONTRACT NO: 8486

FIRST ADDITION TO 1000 OAKS - PHASE 8
 WATER PLAN & PROFILE: CHERRY BARK ROAD
 CITY OF MADISON, WISCONSIN



12711
 W-5

REV. 2020 06-05 PEH



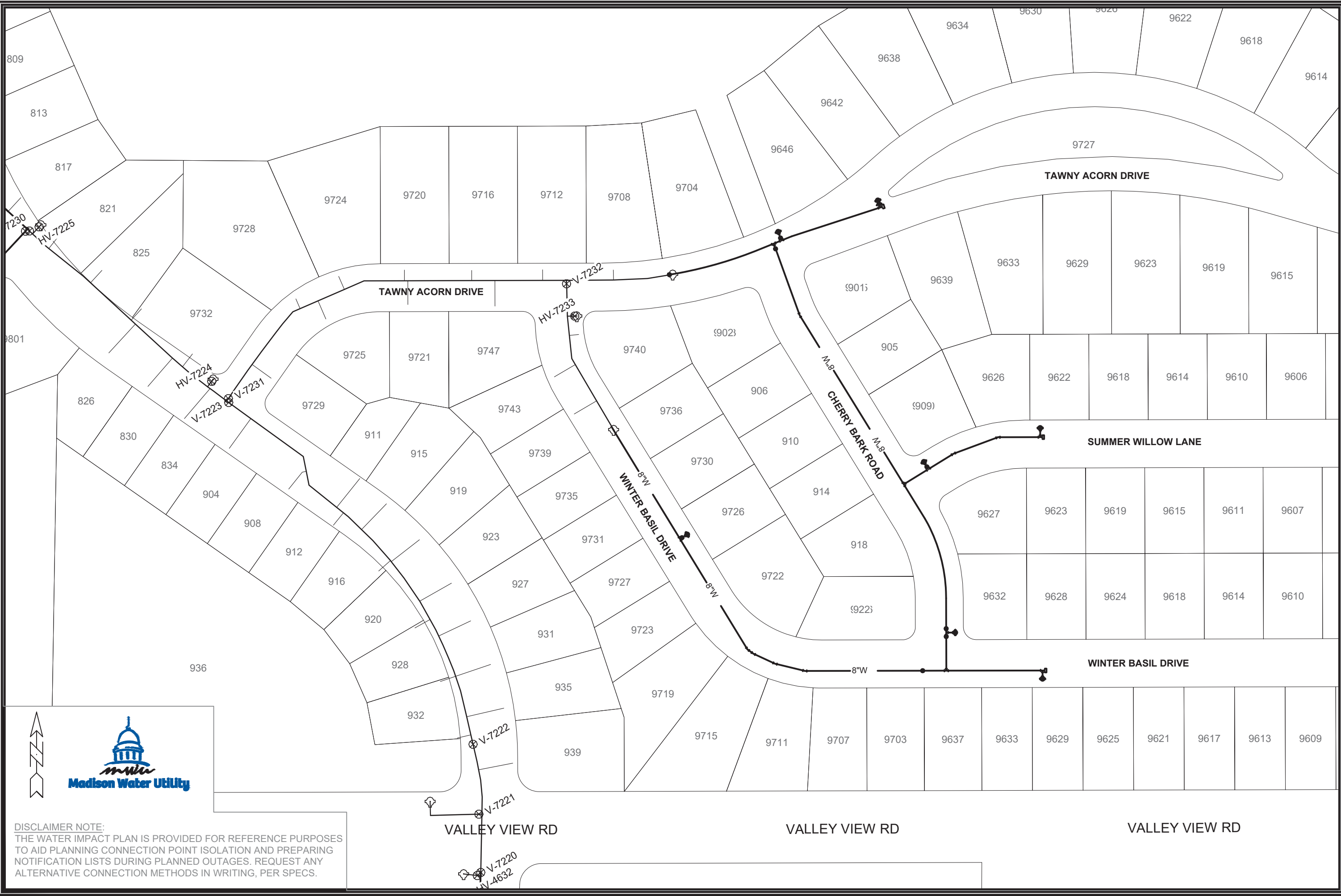
SCALE: 1" = 40'
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/8/20

CONTRACT NO: 8486

FIRST ADDITION TO 1000 OAKS - PHASE 8
 WATER PLAN & PROFILE: SUMMER WILLOW LANE
CITY OF MADISON, WISCONSIN



12711
 W-6



SCALE: 1" = 100'
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 5/28/2020

CONTRACT NO: 8486

FIRST ADDITION TO 1000 OAKS - PHASE 8
 WATER IMPACT PLAN
 CITY OF MADISON, WISCONSIN



12711
 W-7



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.

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

(VACANT)

ESTIMATE OF NEW MATERIALS*

DESCRIPTION	QUANTITY	UNIT
FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	70	LNFT
FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	1440	LNFT
FURNISH AND INSTALL 12-INCH PIPE & FITTINGS	270	LNFT
FURNISH AND INSTALL 6-INCH WATER VALVE	3	EACH
FURNISH AND INSTALL 8-INCH WATER VALVE	4	EACH
FURNISH AND INSTALL 12-INCH WATER VALVE	1	EACH
5-IN HYDRANT	5	EACH
FURNISH AND INSTALL 1-INCH SERVICE LATERALS	31	EACH
STYROFOAM INSULATION	80	LNFT
CUT-IN OR CONNECT TO EXISTING WATER SYSTEM	2	EACH
8-IN MJ PLUG	2	EACH
12-IN MJ PLUG	1	EACH
8-IN 22-1/2° BEND	2	EACH
8-IN 11-1/4° BEND	5	EACH
8X6-IN REDUCER	1	EACH
8X6-IN TEE	5	EACH
8X8-IN TEE	2	EACH
12X6-IN TEE	1	EACH
12X8-IN TEE	2	EACH

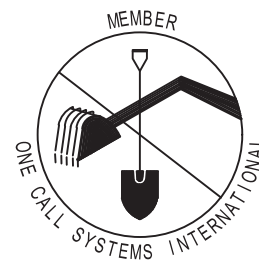
ESTIMATE OF REUSED AND SALVAGED MATERIALS*

DESCRIPTION	QUANTITY	TYPE
5-IN HYDRANT	2	REUSE
8X6-IN REDUCER	1	REUSE
8X6-IN REDUCER	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.

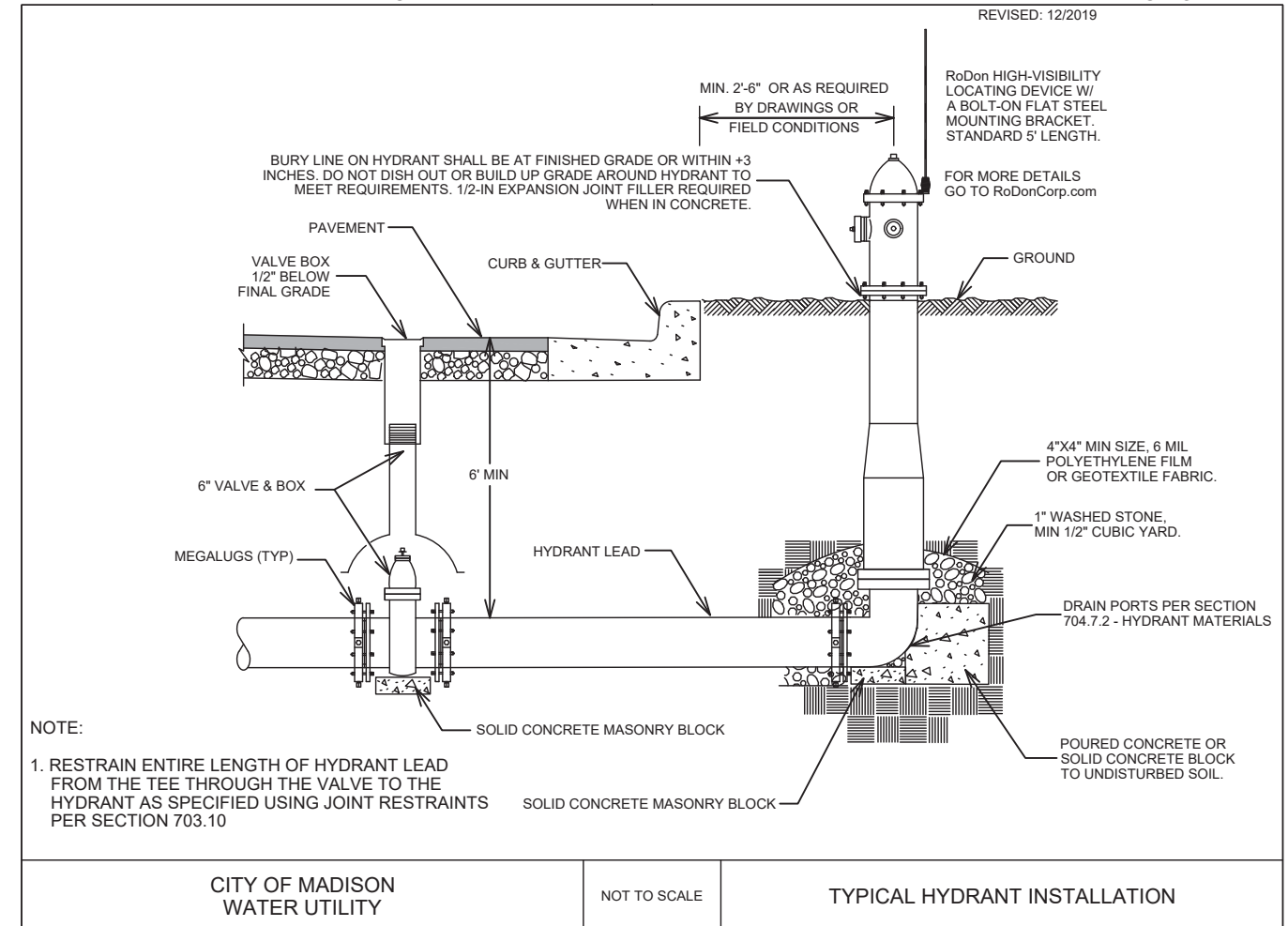


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2019



NOTE:

1. 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

SCALE: N/A

DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: ##-##-####

FIRST ADDITION TO 1000 OAKS - PHASE 8

WATER ESTIMATE OF MATERIALS

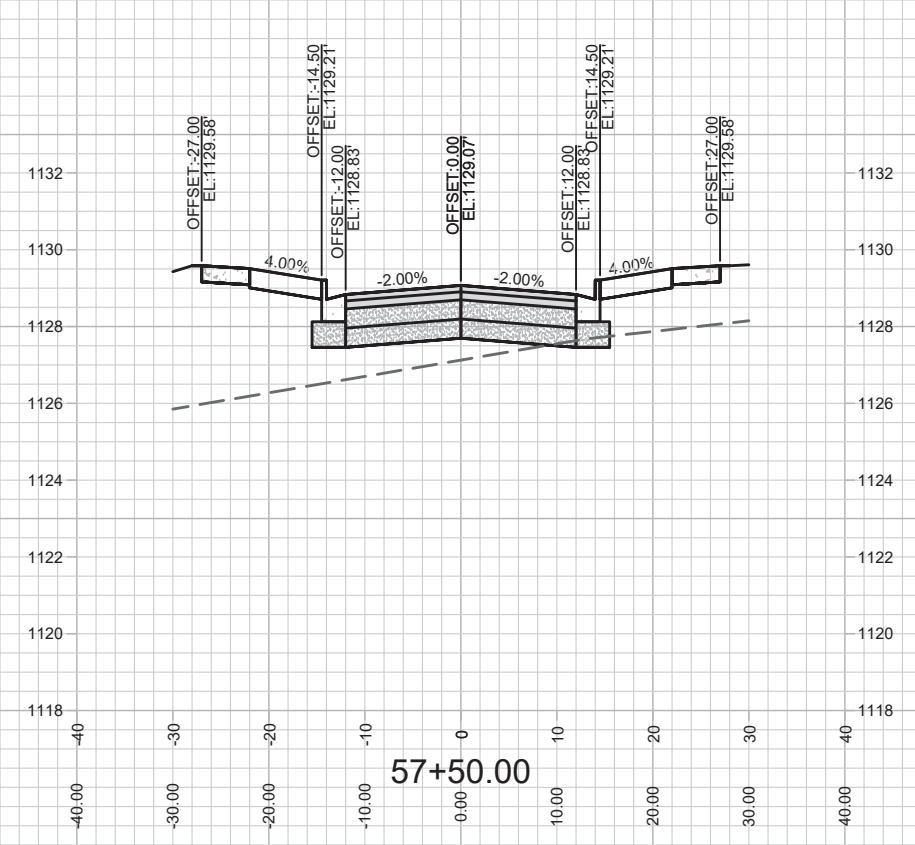
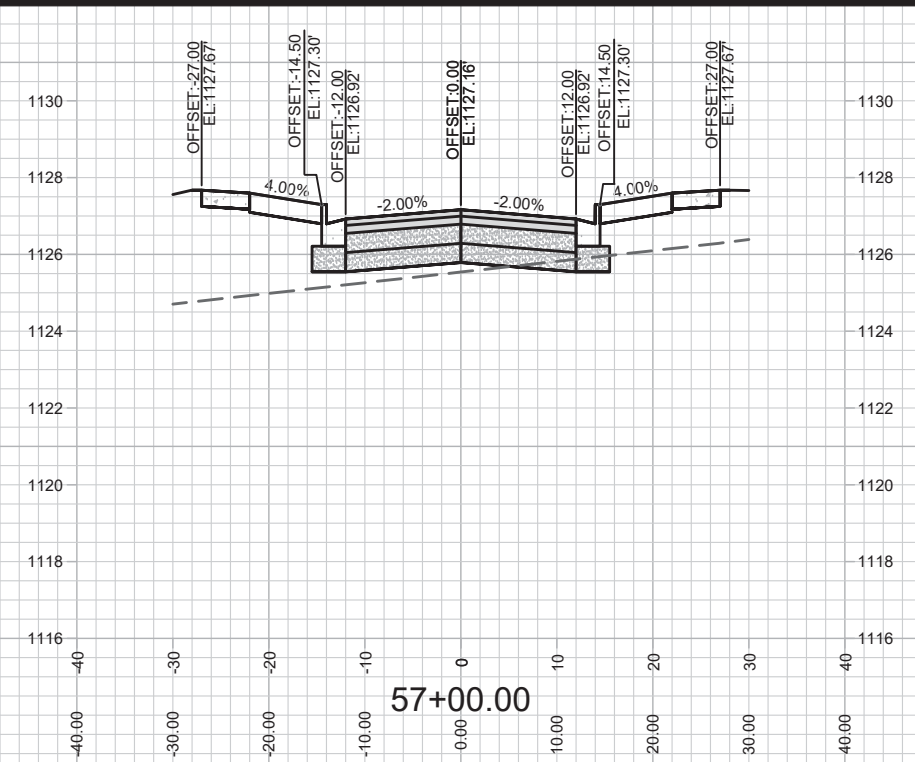
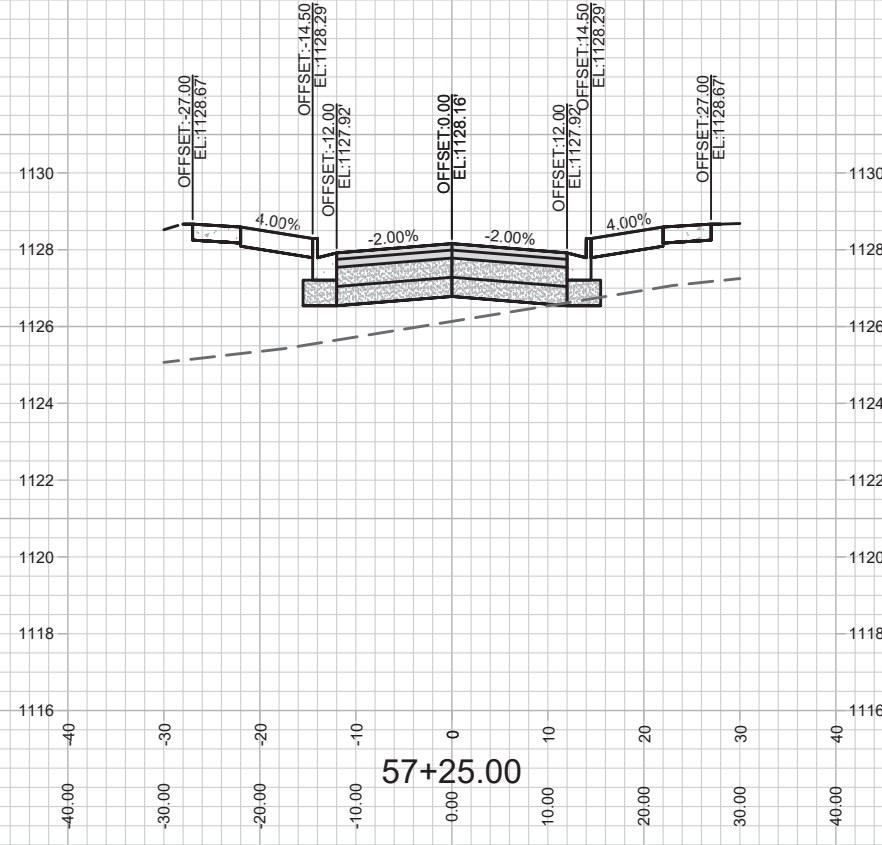
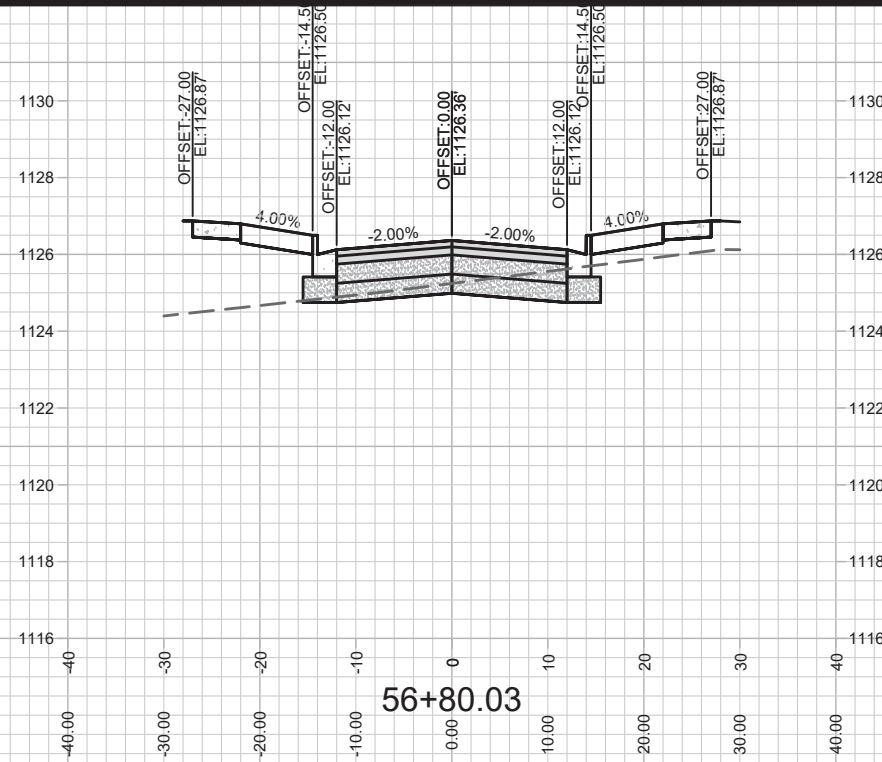
CITY OF MADISON, WISCONSIN



12711

W-8

CONTRACT NO: 8486



12711
X-1

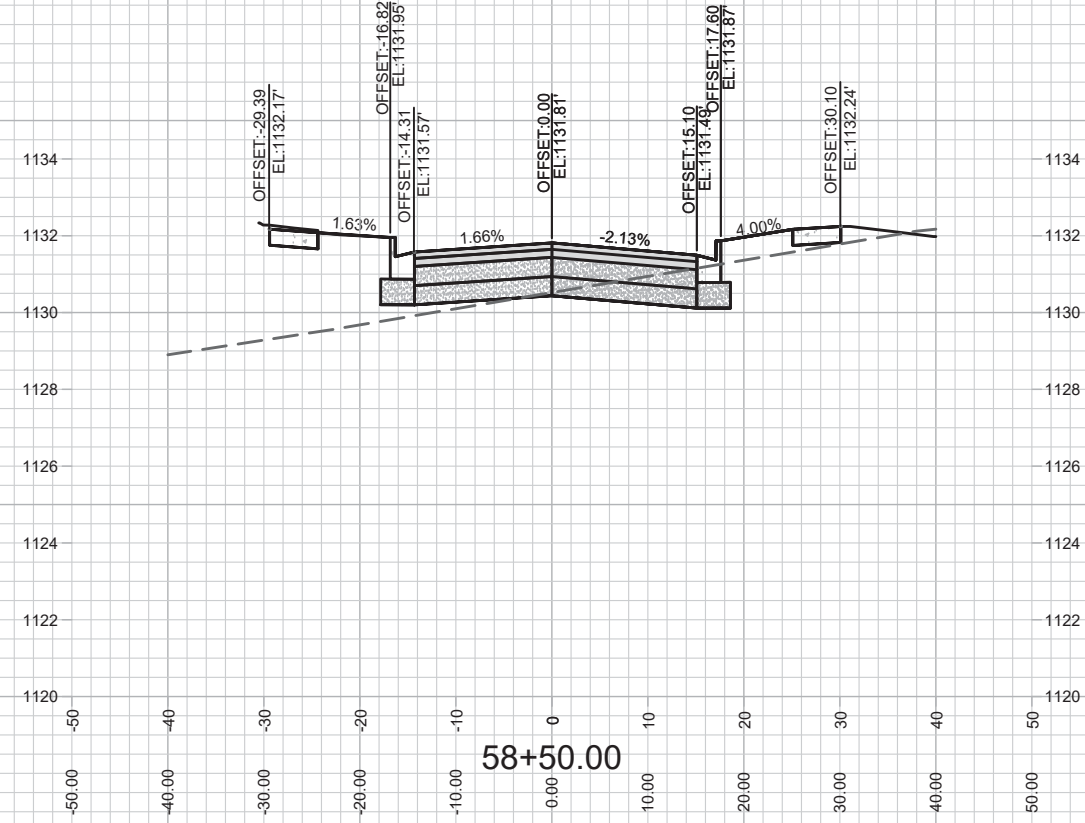
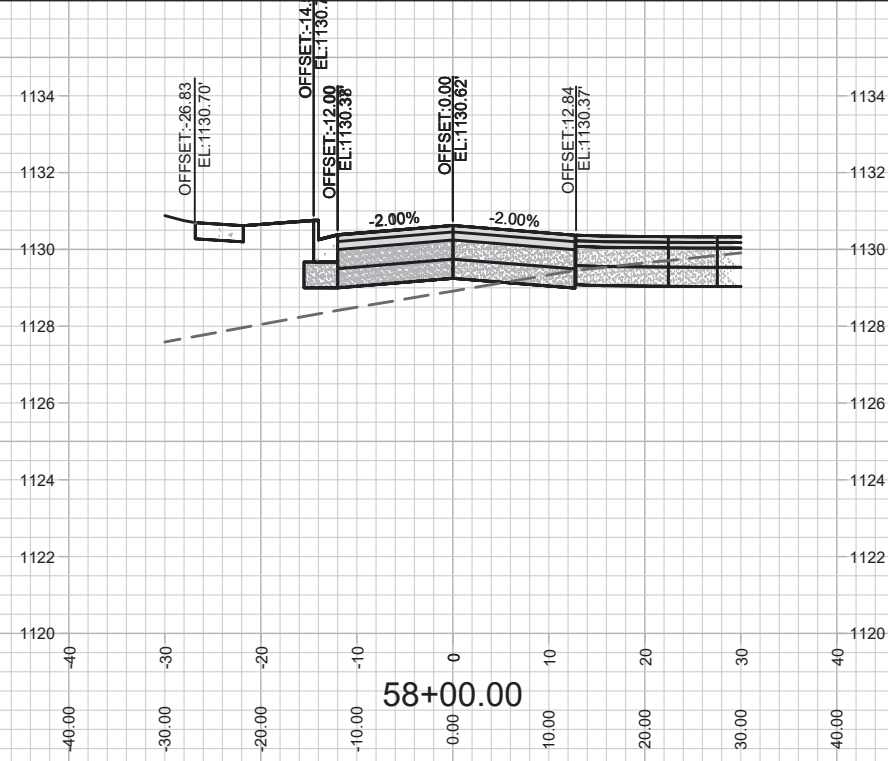
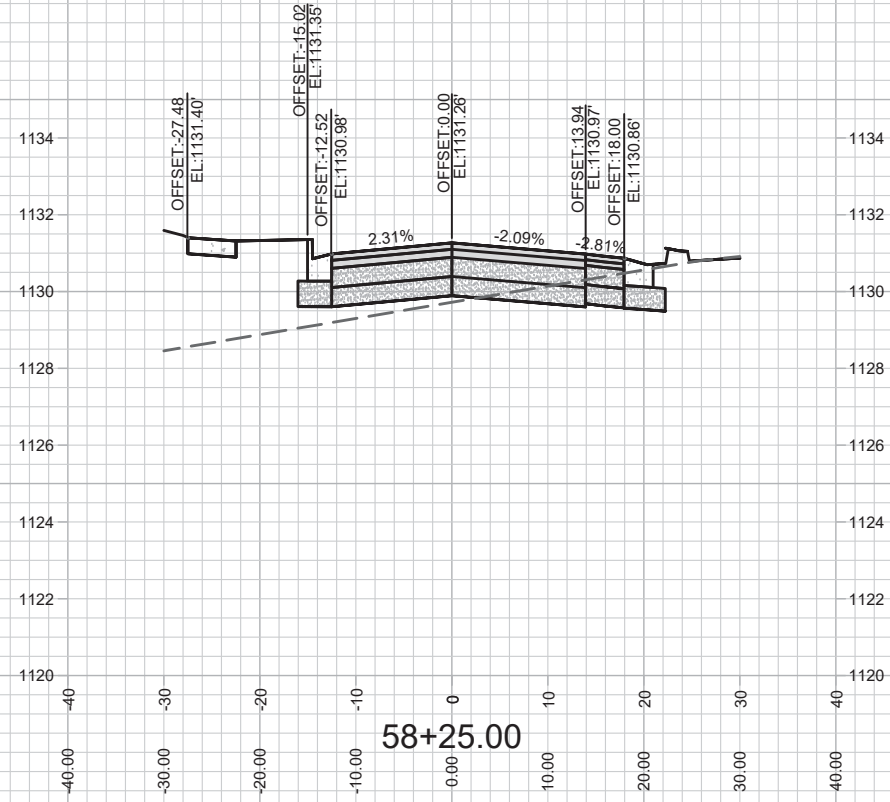
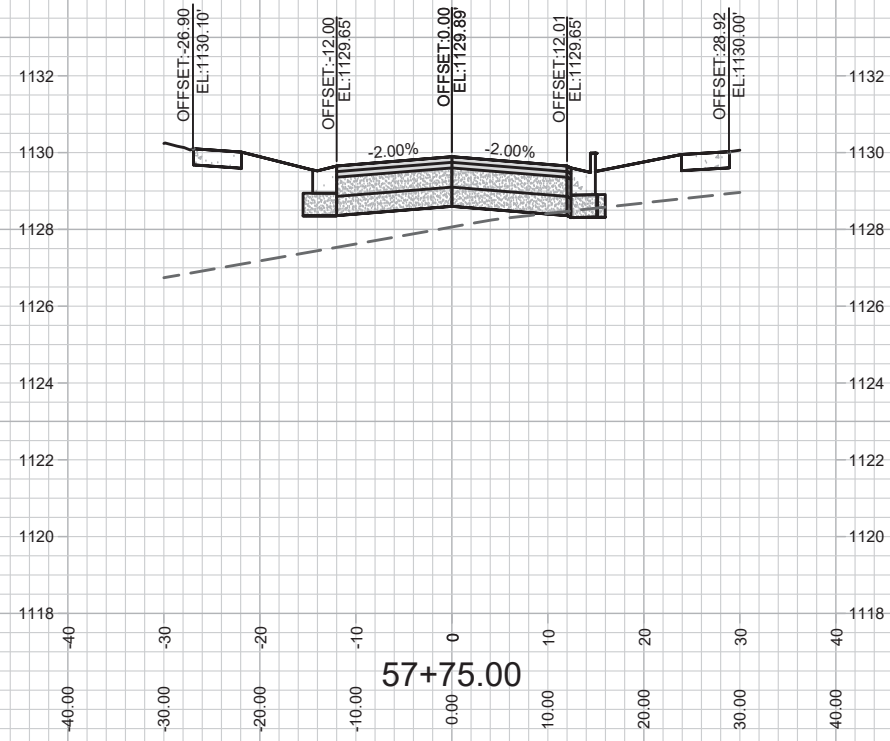
X-1 TAWNY ACORN DRIVE CROSS SECTION
FIRST ADDITION TO 1000 OAKS - PHASE 8

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12711
MADISON, WI
8486

CONTRACT NO:

MARK	REVISION	DATE	BY
12711			X-1
Designed By: LO	Date: 6/8/2020 10:06 AM	Scale: 1" = 20'	



12711
X-2

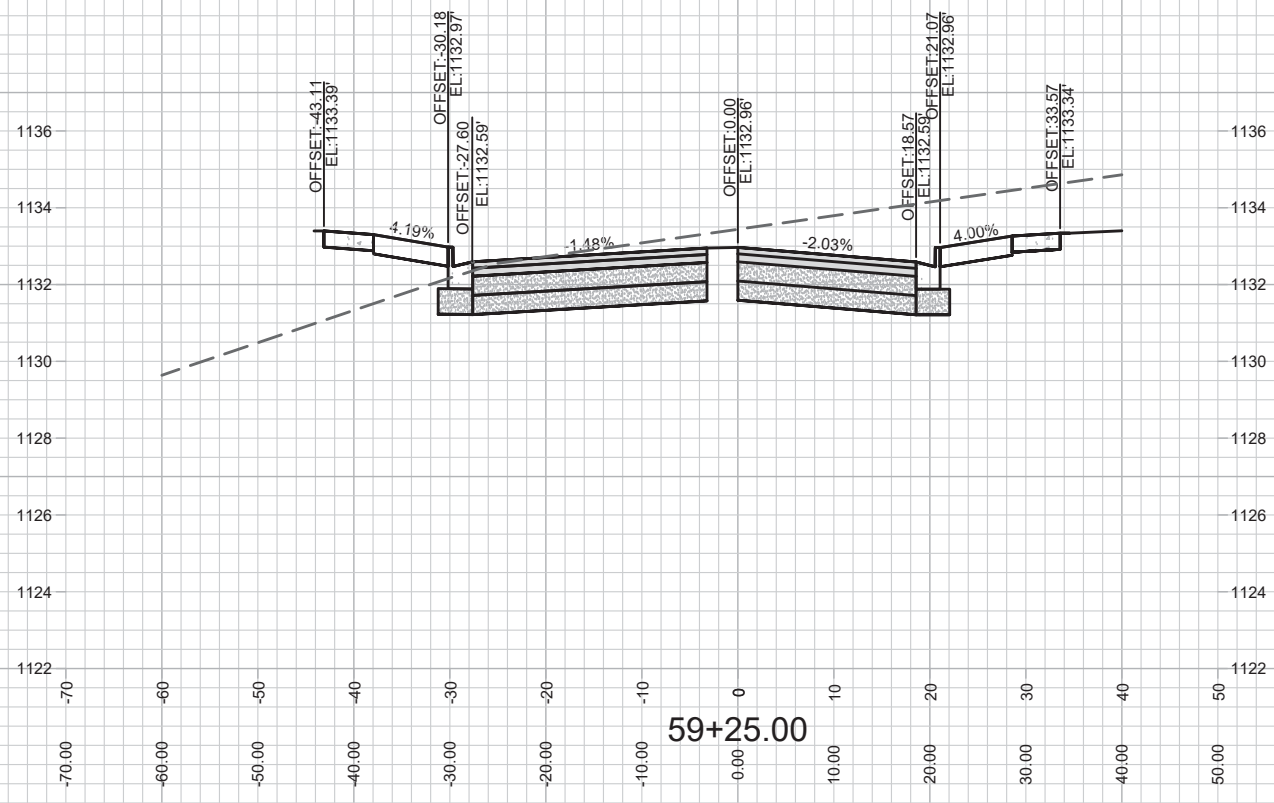
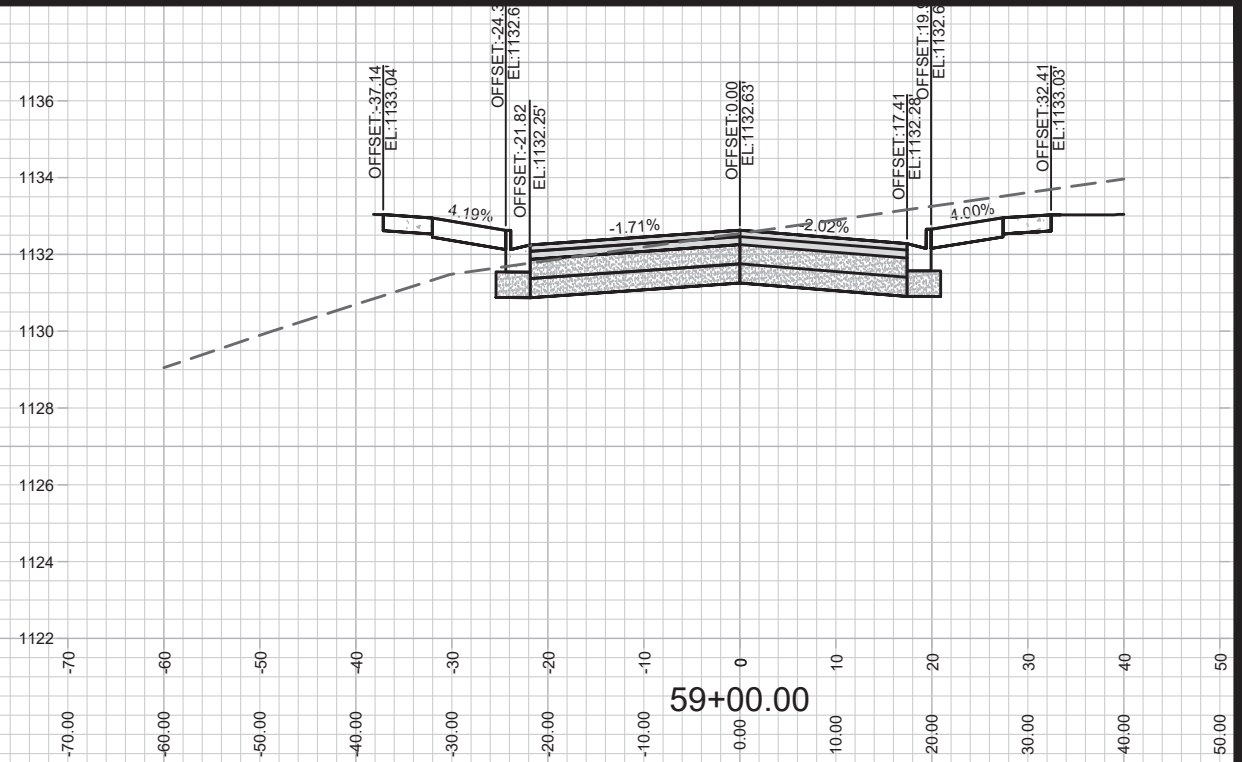
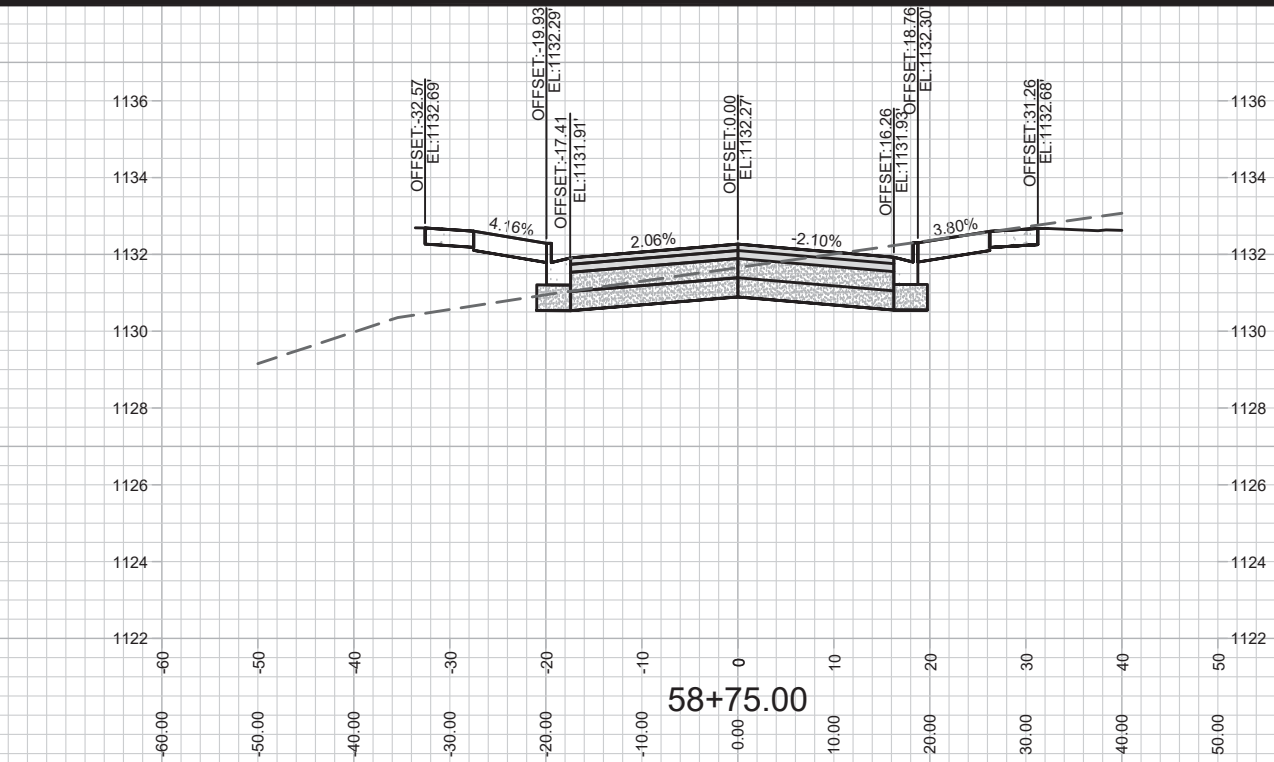
X-2 TAWNY ACORN DRIVE CROSS SECTION
FIRST ADDITION TO 1000 OAKS - PHASE 8

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12711
MADISON, WI

CONTRACT NO: 8486

MARK	REVISION	DATE	BY
12711	12711	5/8/2020 10:08 AM	X-2



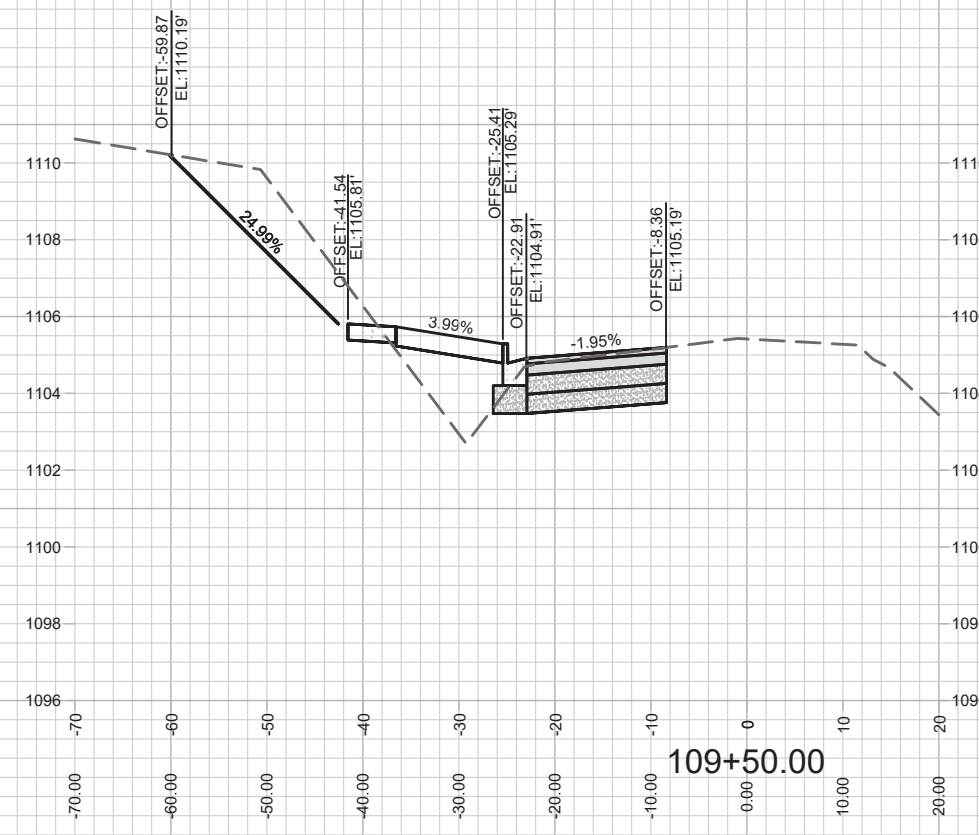
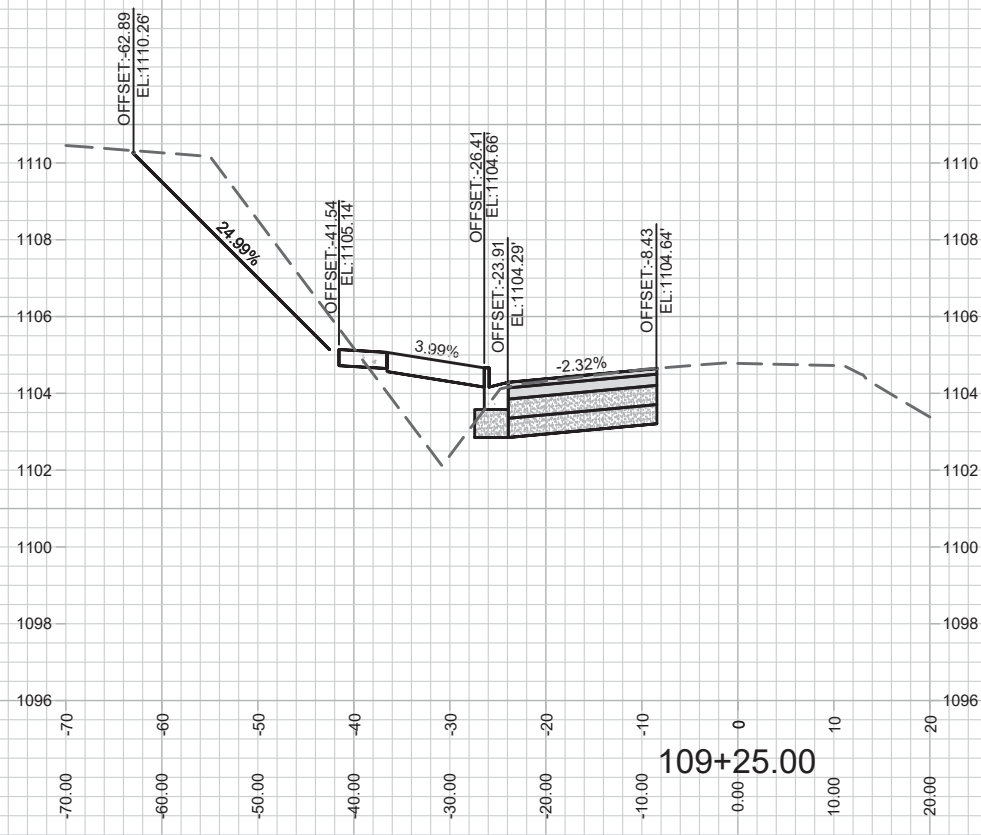
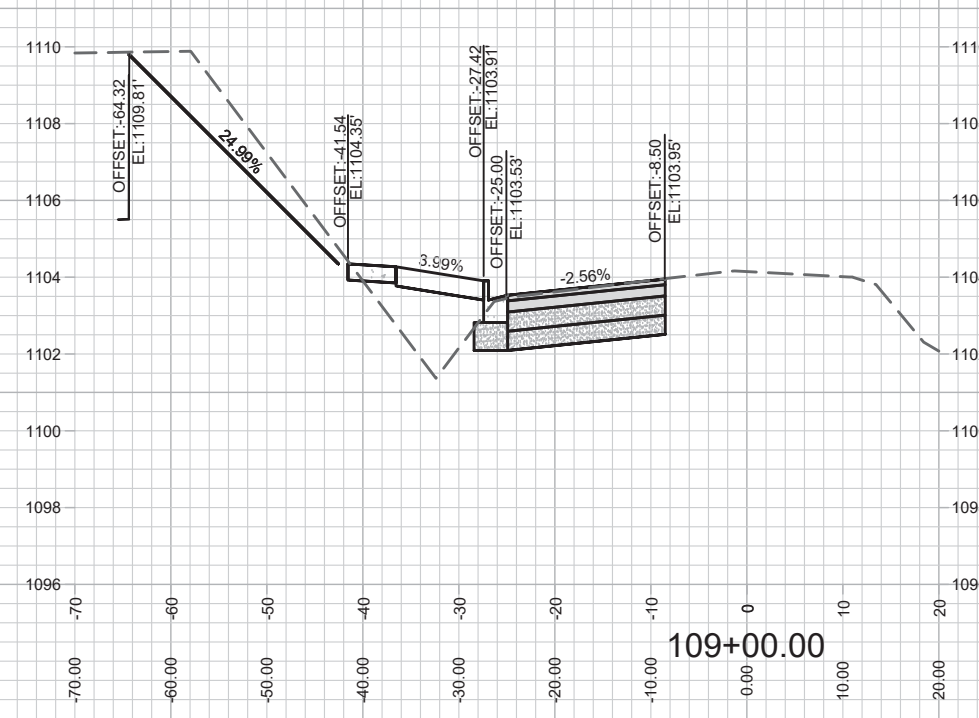
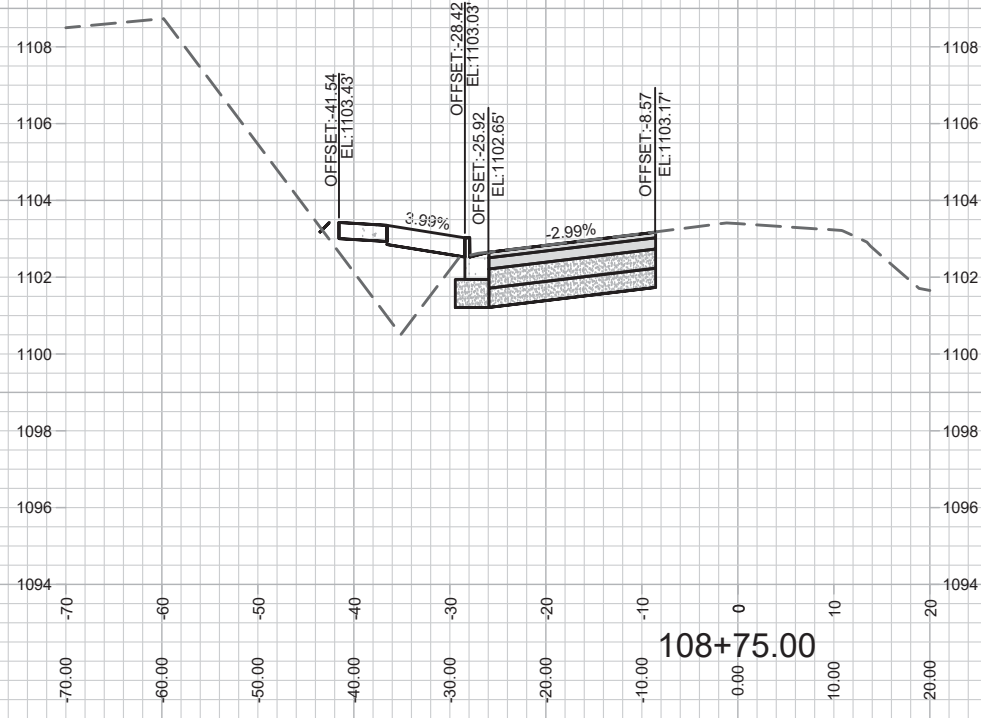
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12711		5/19/2020 8:00 AM	
Designed By: LO	Scale: 1" = 20'		

12711
 MADISON, WI
 8486
 CONTRACT NO:

X-3 TAWNY ACORN DRIVE CROSS SECTION
 FIRST ADDITION TO 1000 OAKS - PHASE 8
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 X-3



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X-4 VALLEY VIEW ROAD CROSS SECTION
FIRST ADDITION TO 1000 OAKS - PHASE 8
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X-4

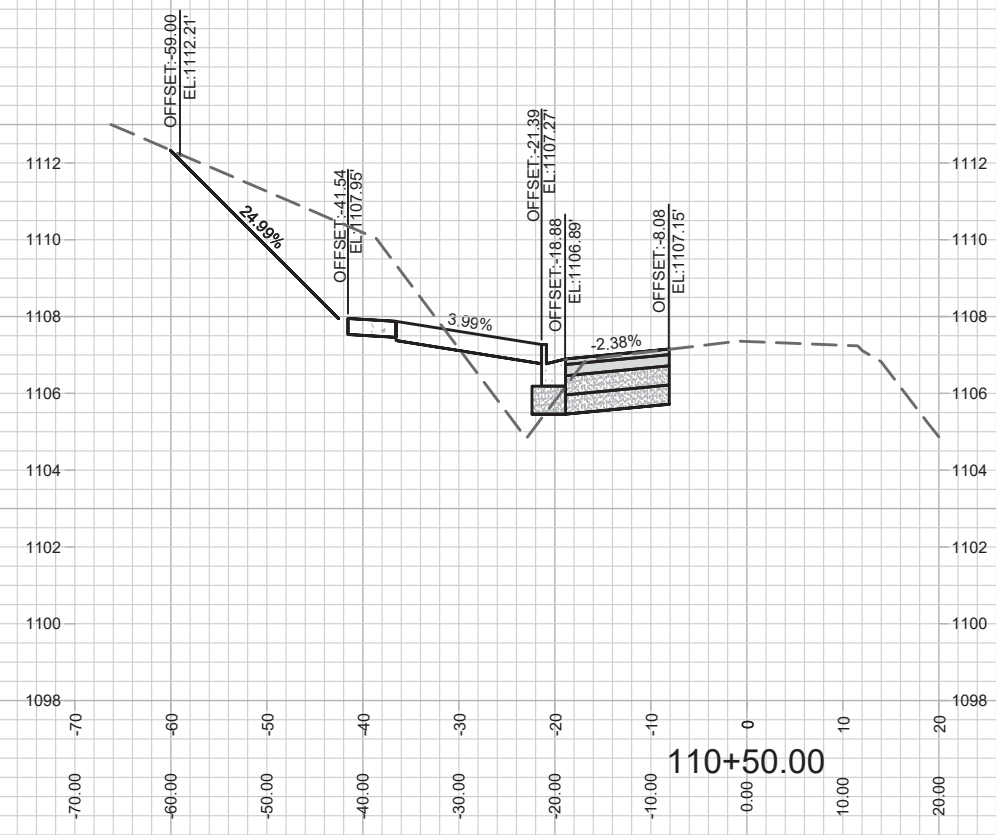
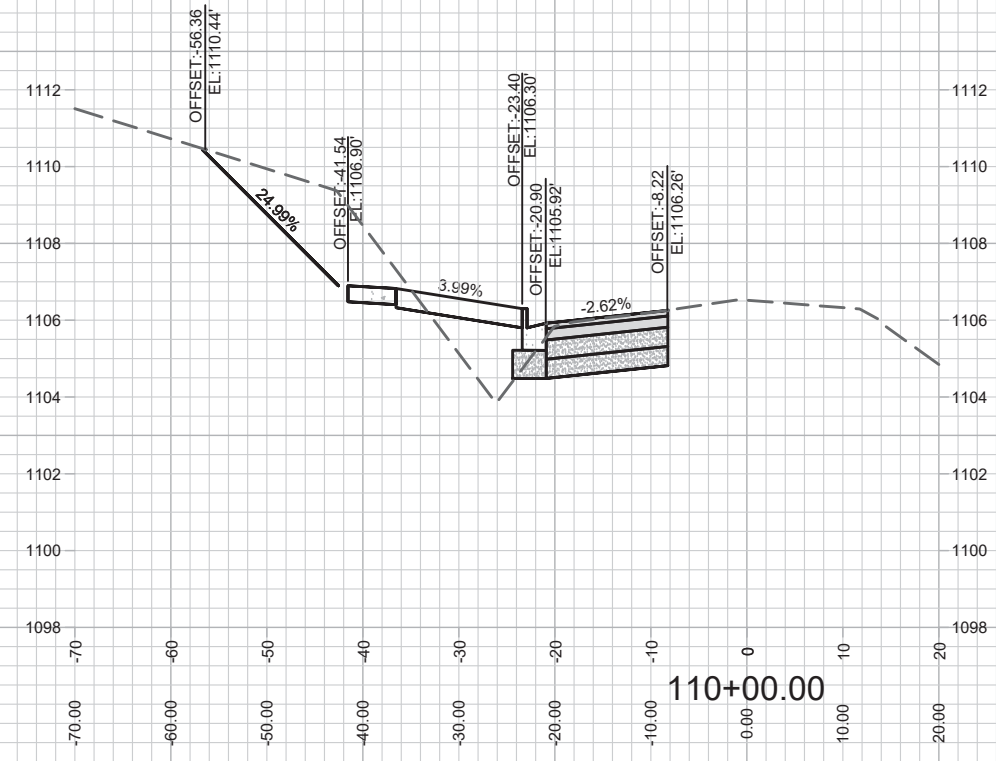
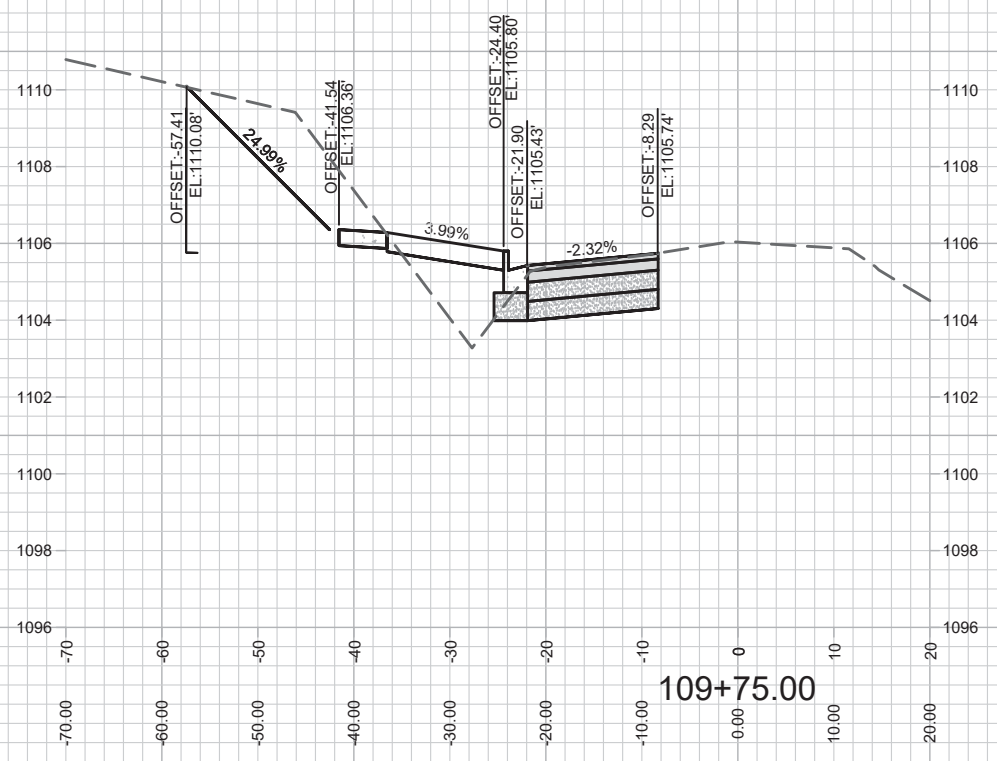
CONTRACT NO:

12711

Date: 6/8/2020 10:18 AM

Scale: 1" = 20'

X-4



12711
X-5

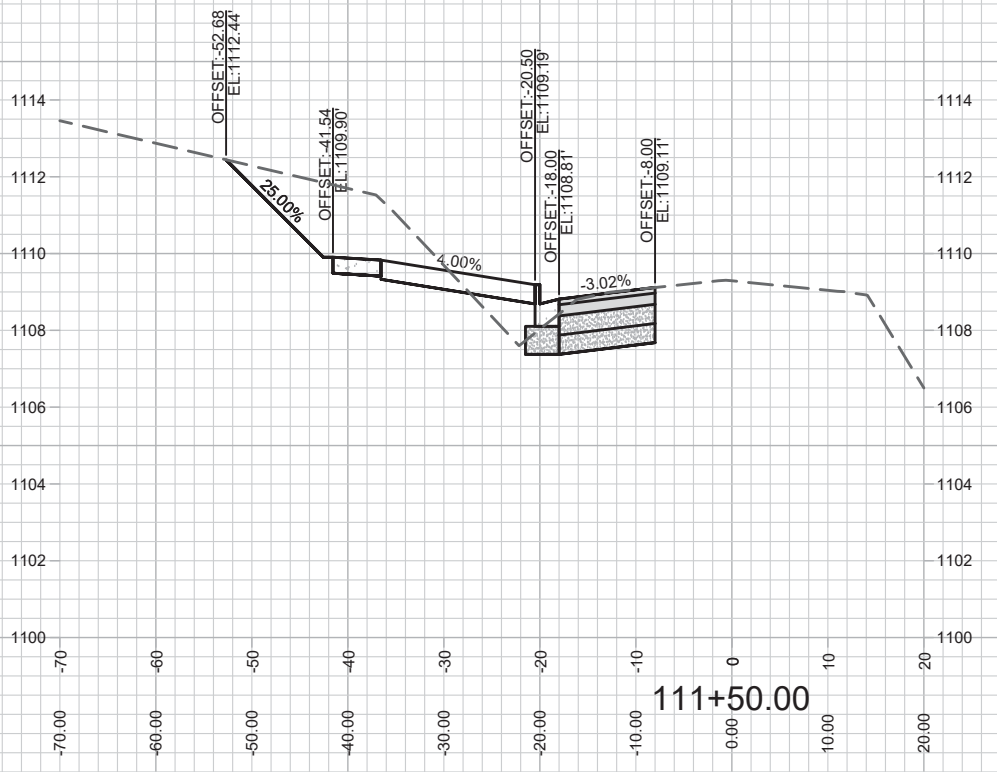
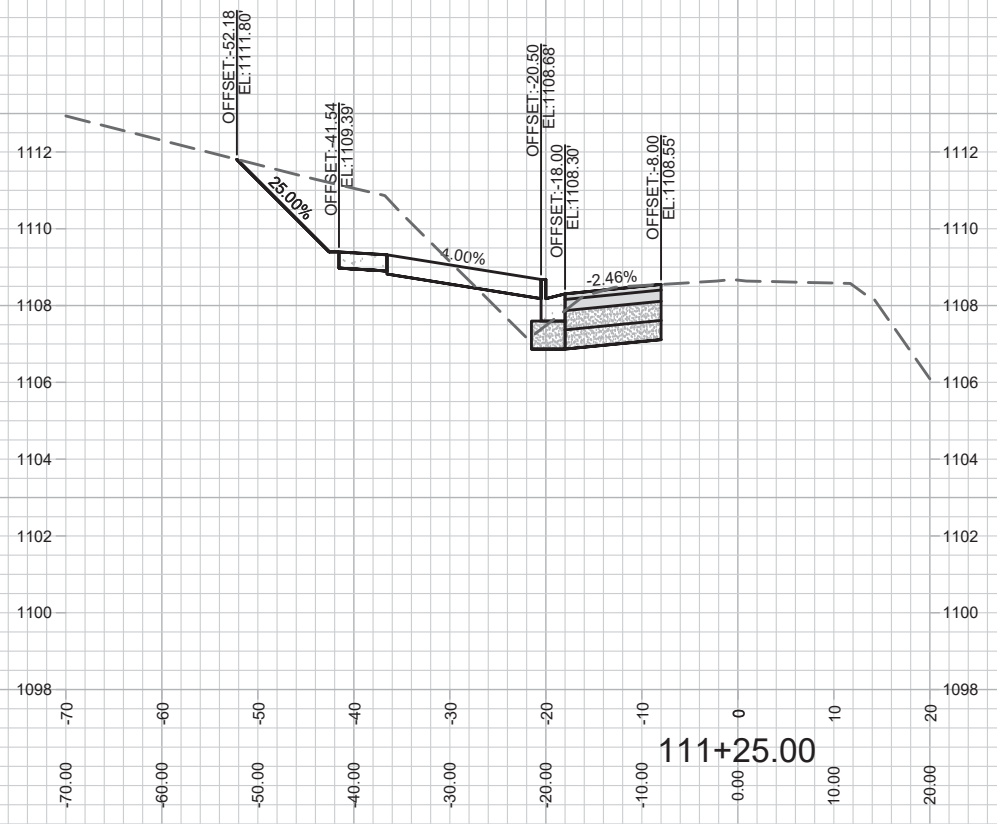
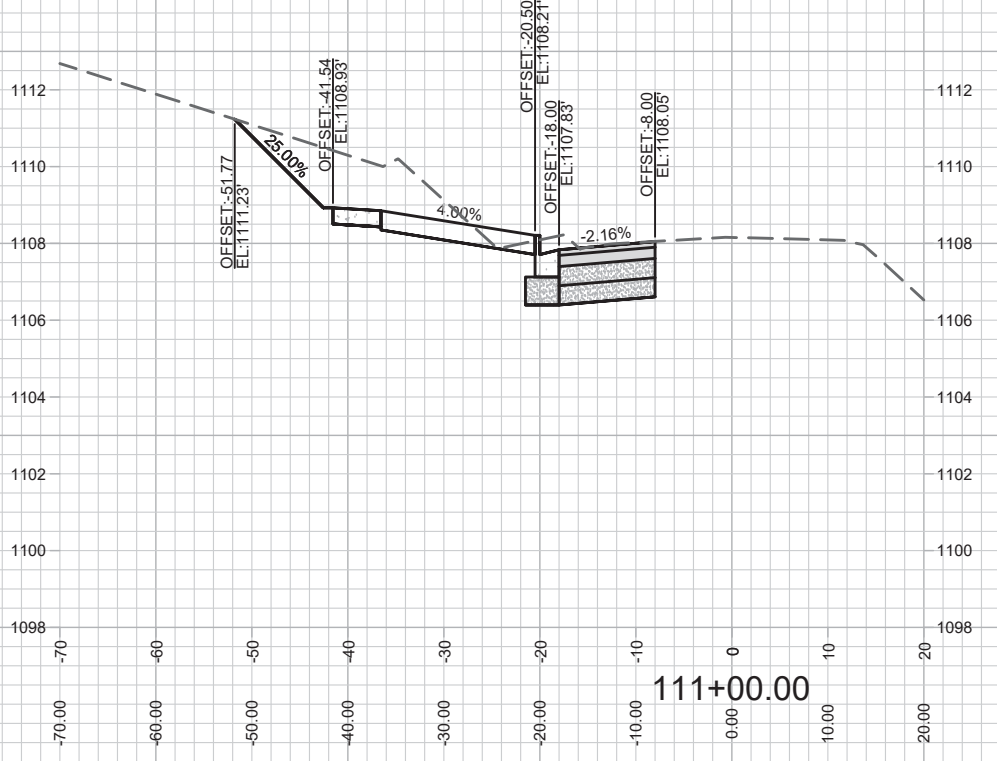
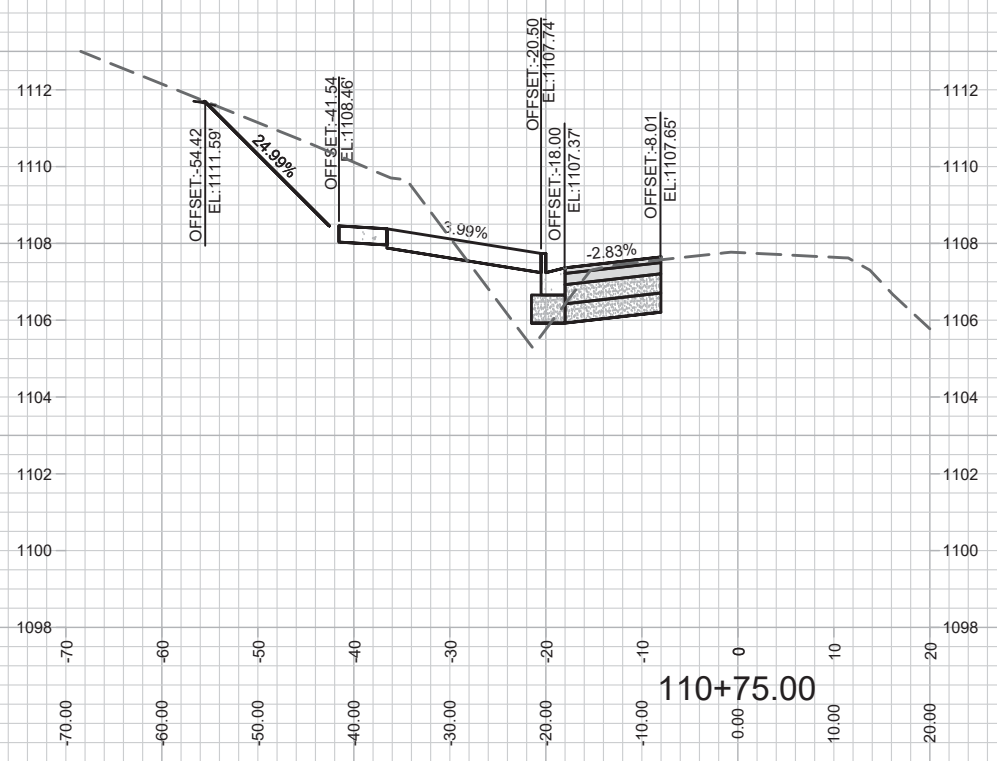
X-5 VALLEY VIEW ROAD CROSS SECTION
FIRST ADDITION TO 1000 OAKS - PHASE 8

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MADISON, WI
8486

CONTRACT NO:

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12711		5/8/2020 10:22 AM	
		Scale: 1" = 20'	X-5



12711
X-6

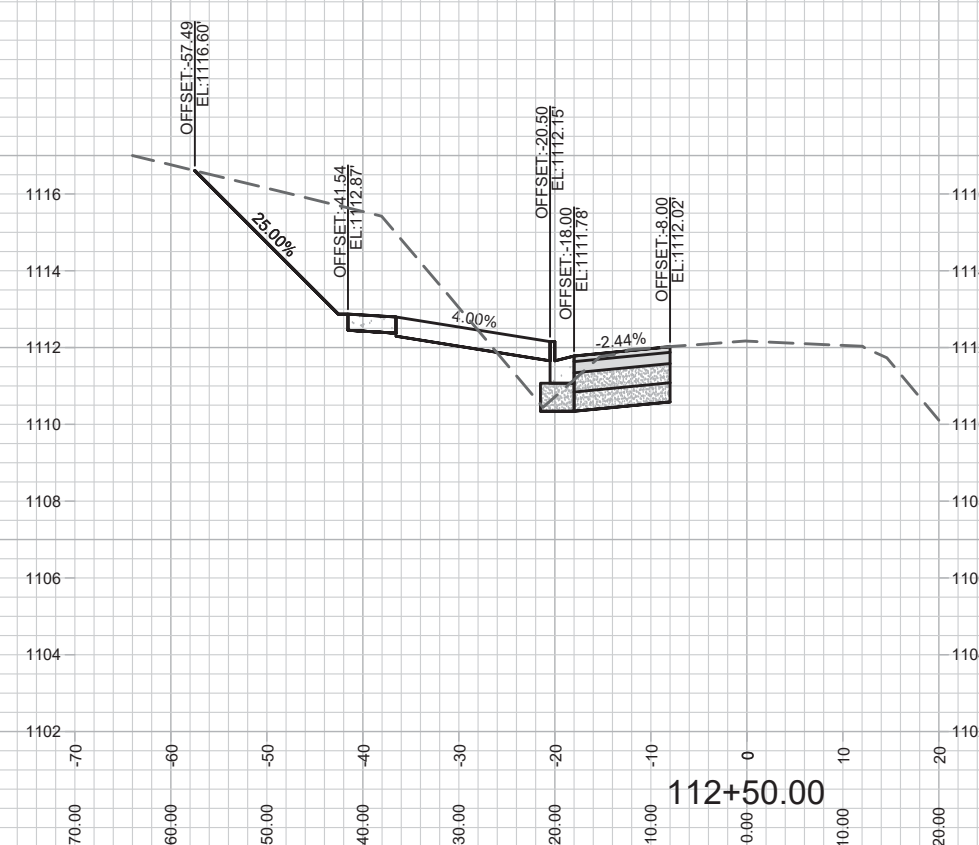
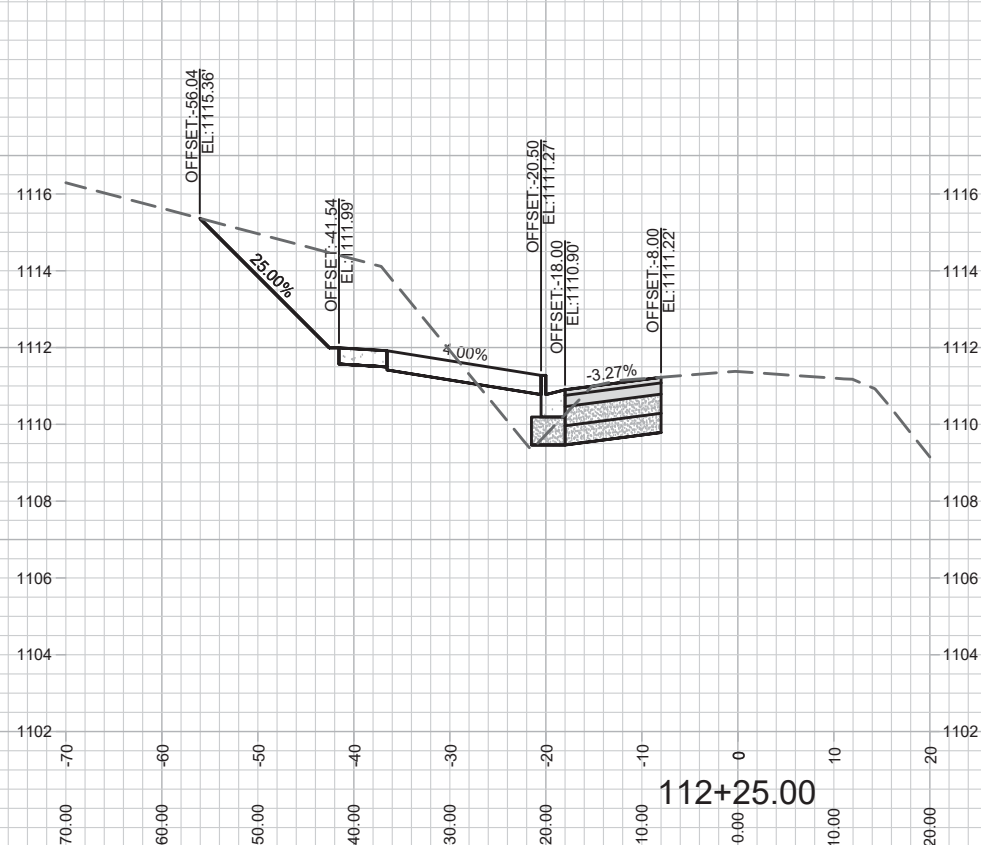
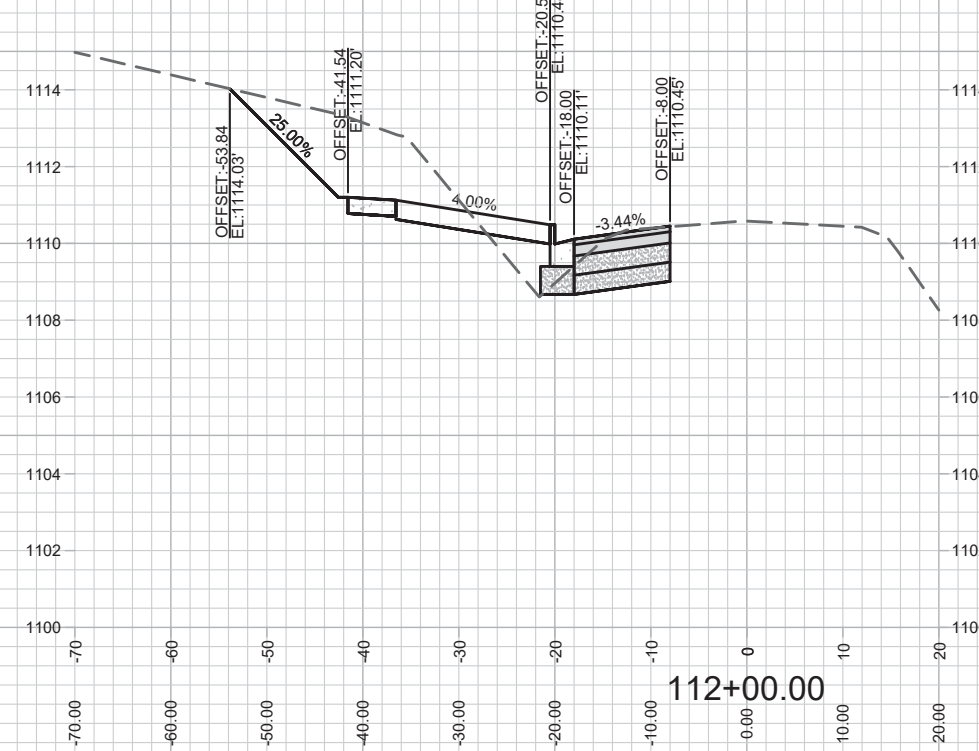
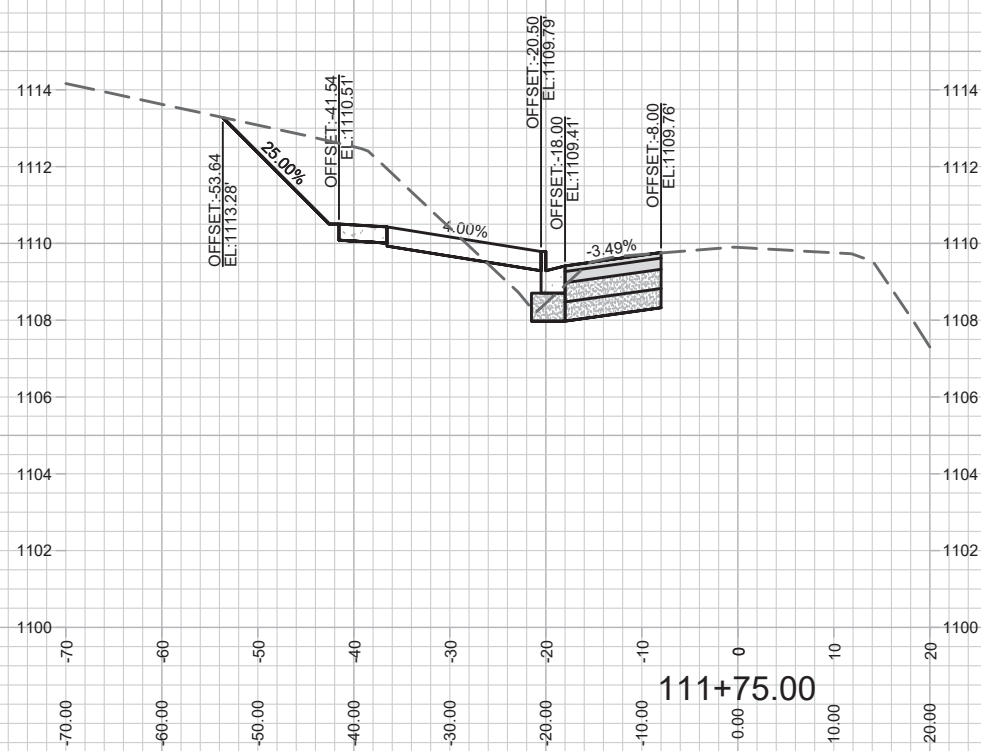
X-6 VALLEY VIEW ROAD CROSS SECTION
FIRST ADDITION TO 1000 OAKS - PHASE 8

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MADISON, WI
8486

CONTRACT NO:

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12711		5/8/2020 10:26 AM	
		Scale: 1" = 20'	X-6



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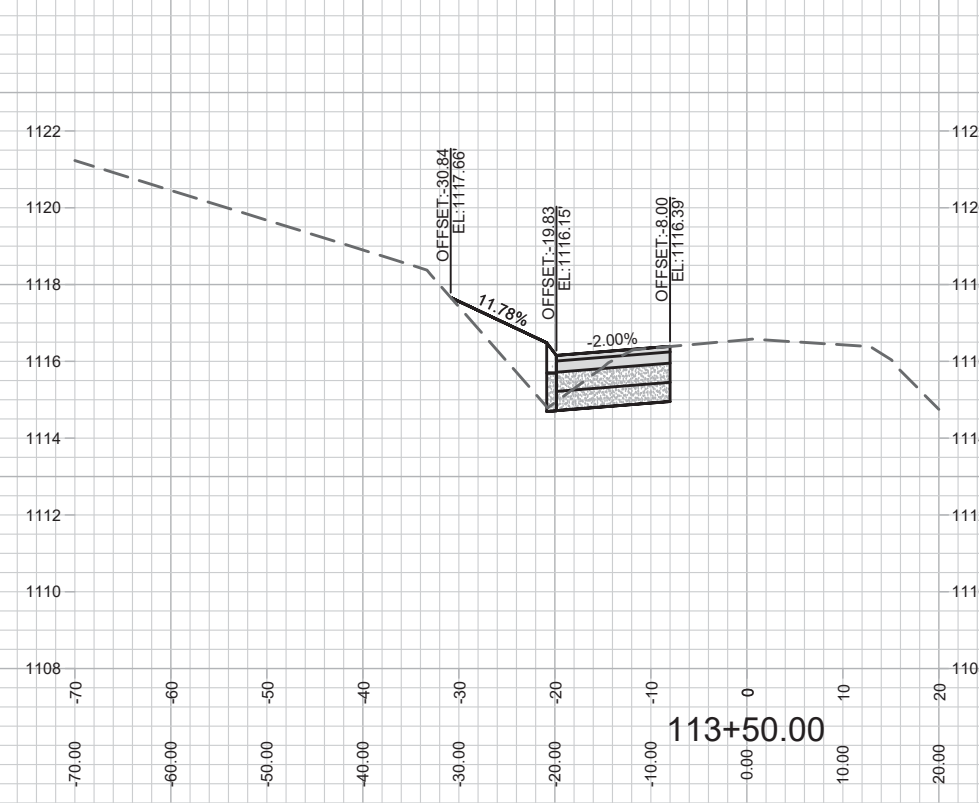
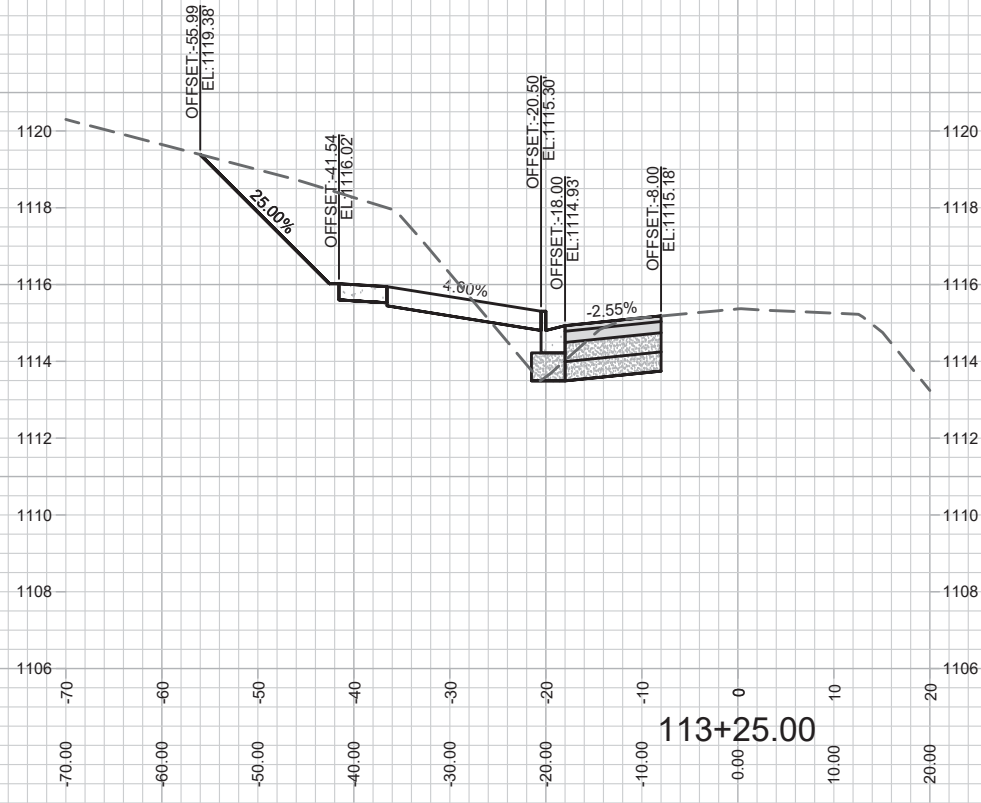
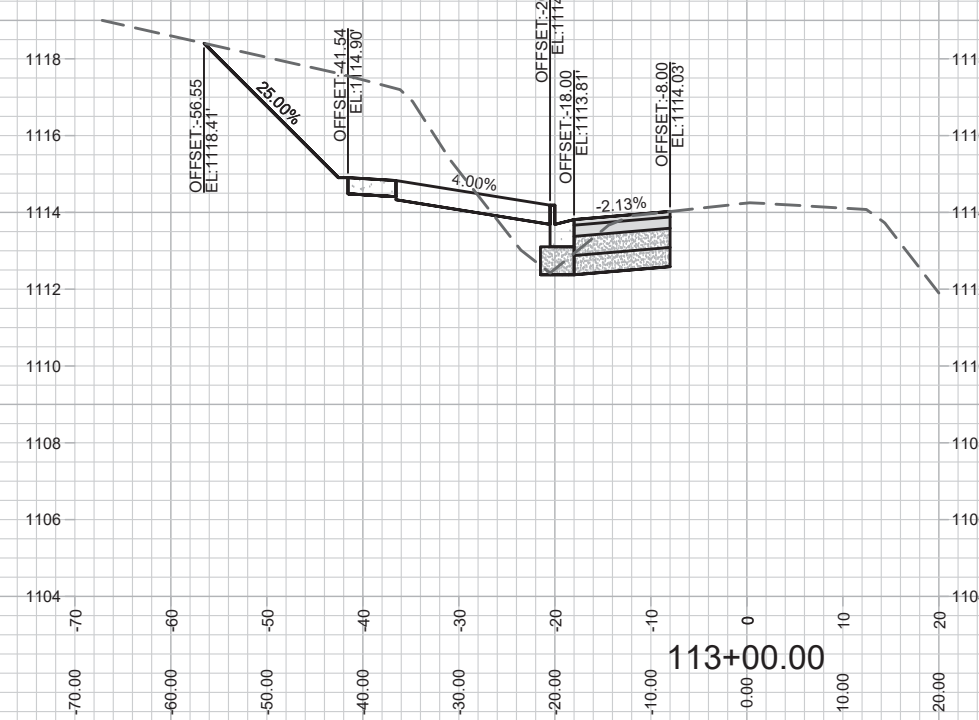
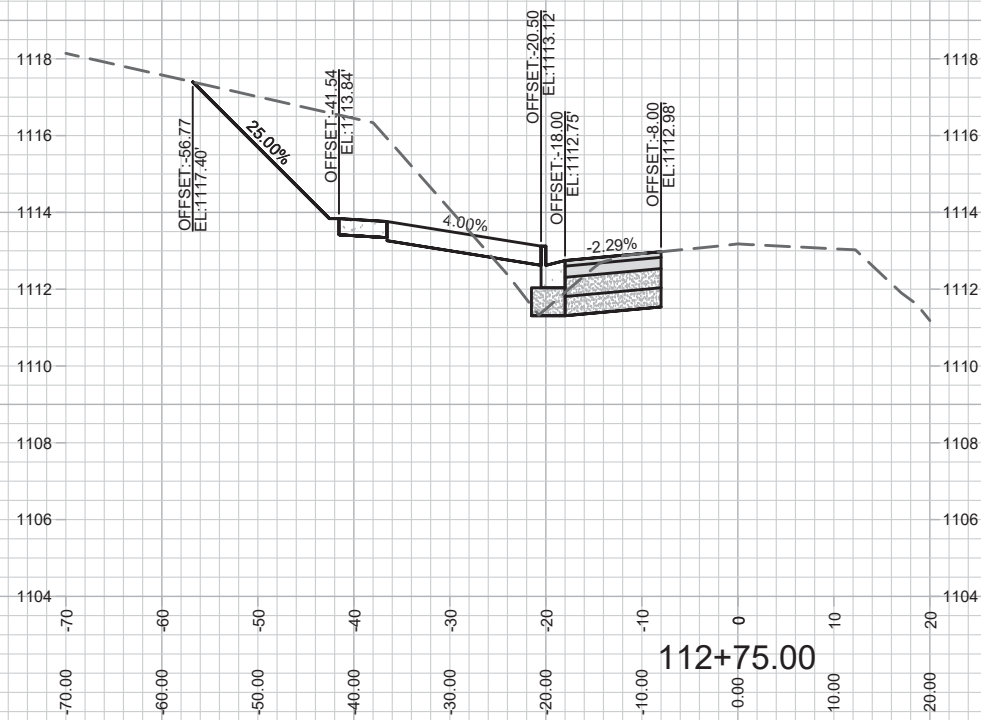
12711
MADISON, WI
8486

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FIRST ADDITION TO 1000 OAKS - PHASE 8
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X-7

CONTRACT NO:

X-7



MARK	REVISION	DATE	BY

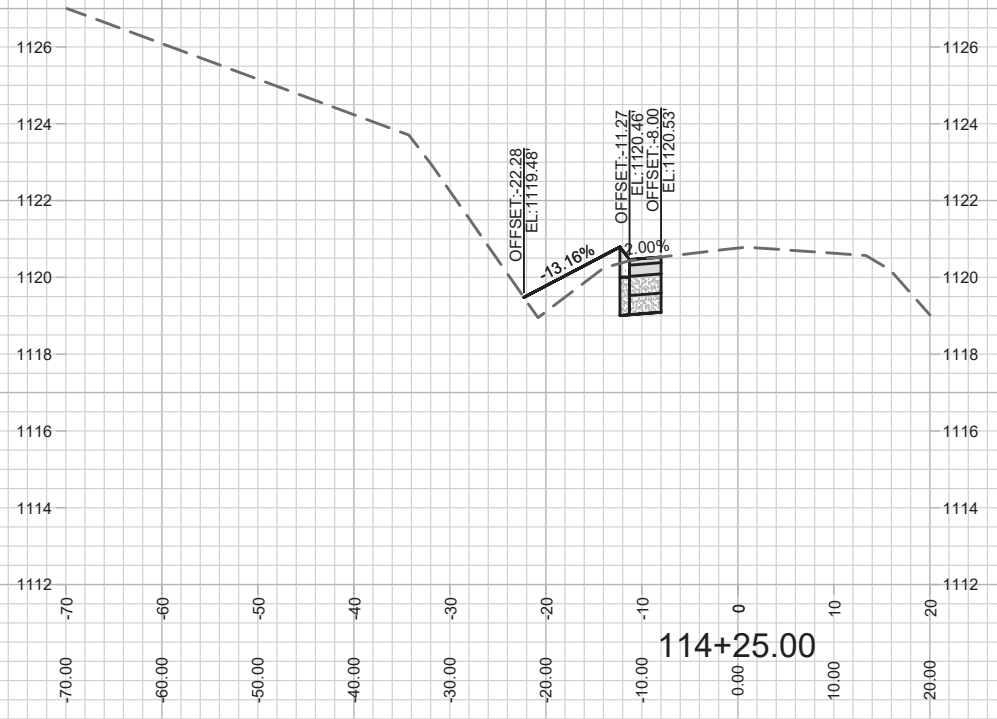
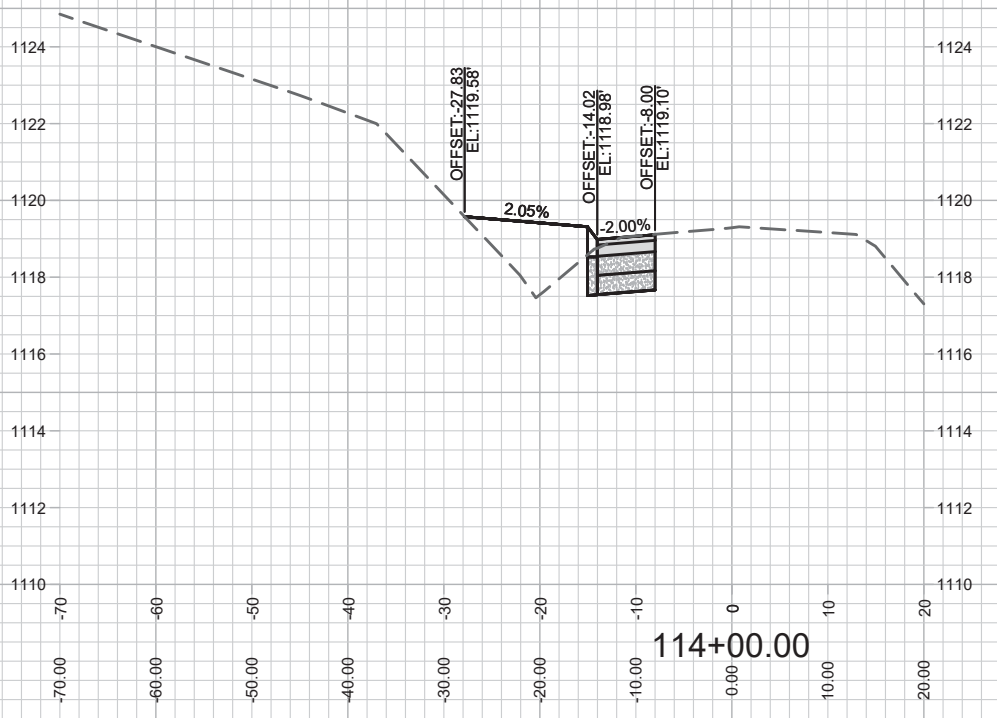
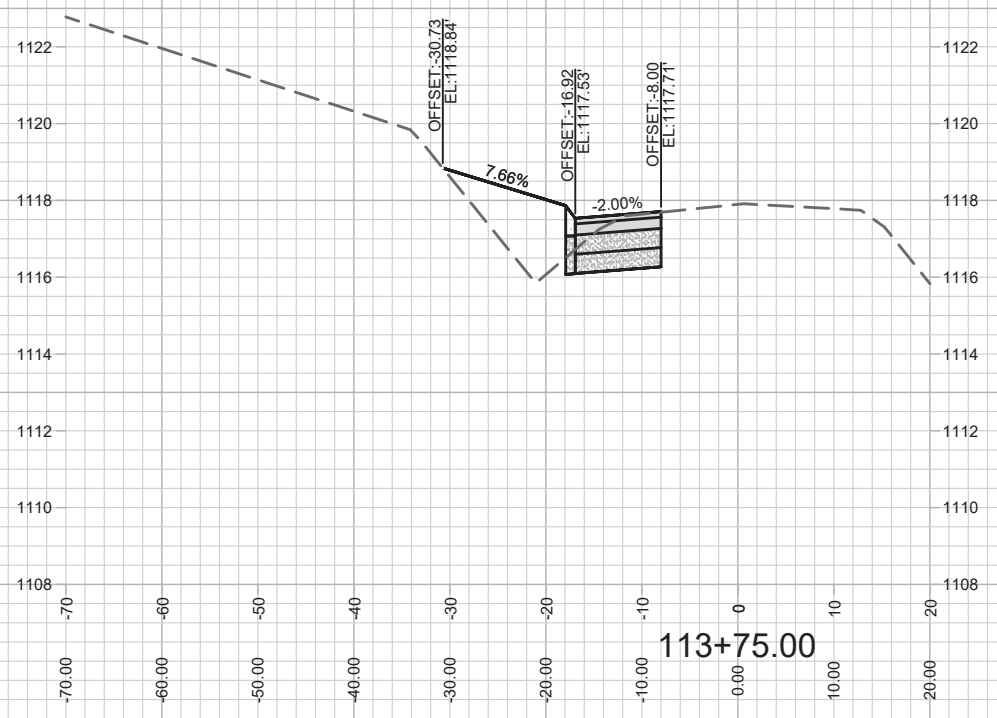
Designed By: LO
12711
Scale: 1" = 20'
X-8

12711
MADISON, WI
8486
CONTRACT NO:

X-8 VALLEY VIEW ROAD CROSS SECTION
FIRST ADDITION TO 1000 OAKS - PHASE 8
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X-8



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 8486
 CONTRACT NO:

X-9 VALLEY VIEW ROAD CROSS SECTION
 FIRST ADDITION TO 1000 OAKS - PHASE 8
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12711
 X-9

MAINTENANCE LEGEND:

- = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)
- = PUBLIC CITY PARKS PROPERTY
- = TERRACE REQUIRE MOWING BY CITY
- = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- = CROSSWALK OR CONCRETE WATERWAY MAINTAINED BY CITY (REQUIRES SNOW REMOVAL BY CITY)

SCALE 1" = 100'



TYPE II SIDEWALK PER 303.1

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12711	1	5/7/2020 8:28 AM	US

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MADISON, WI
CONTRACT NO: 8486

MAINTENANCE MAP
FIRST ADDITION TO 1000 OAKS - PHASE 8
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MN-1

FILE LOCATION:
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