



Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

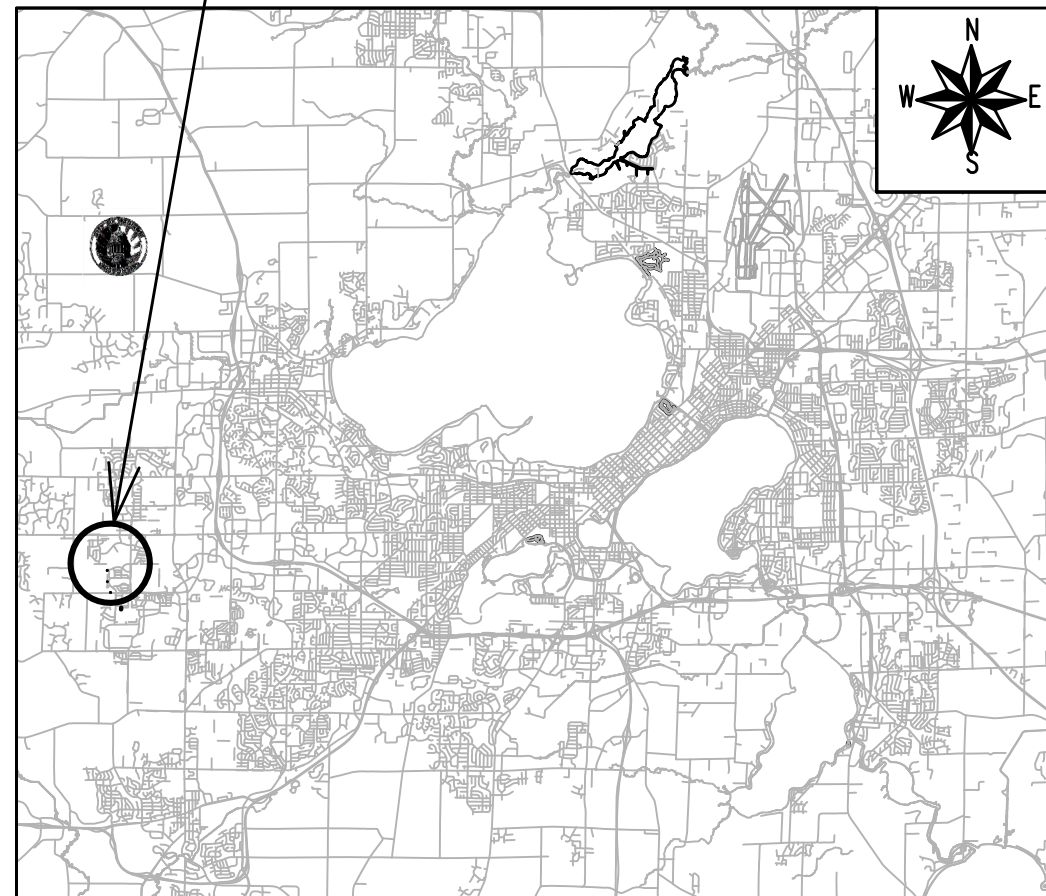
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

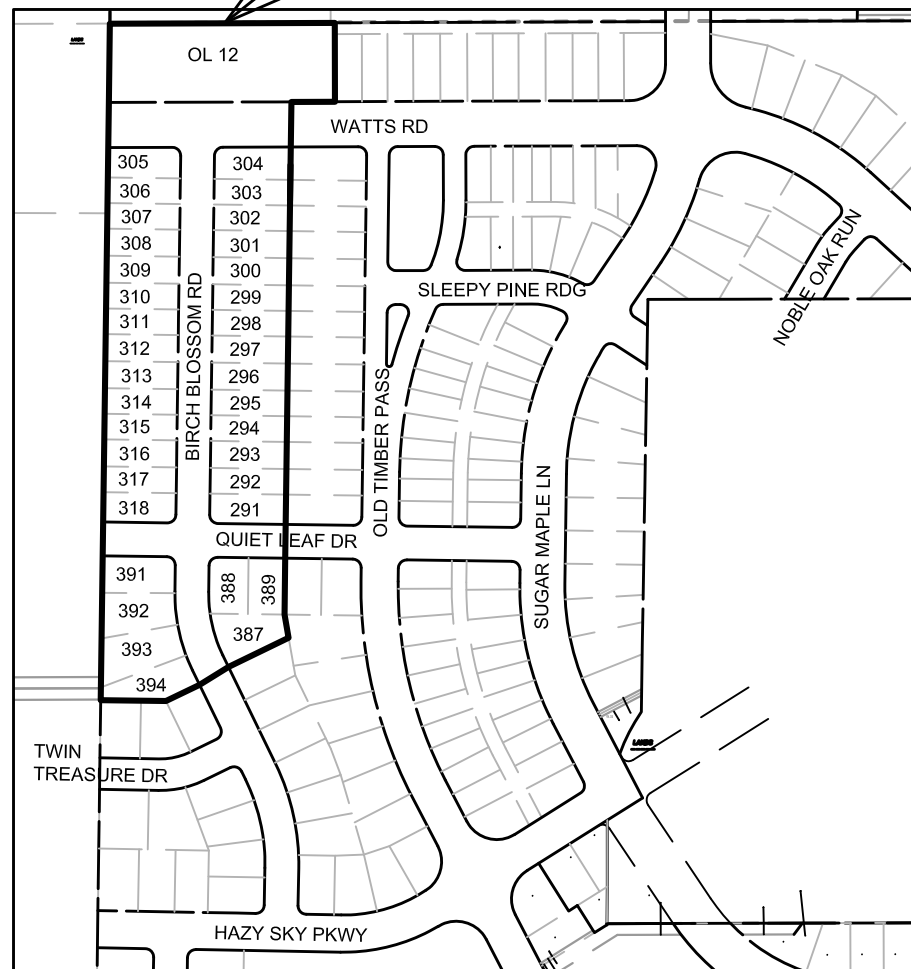
BIRCHWOOD POINT SOUTH PHASE 4

CITY PROJECT NO. 13295
CONTRACT NO. 8968

PROJECT LOCATION



PHASE LIMITS



PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE: JANUARY 19, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Greg Fries

May 26, 2021

City Engineer

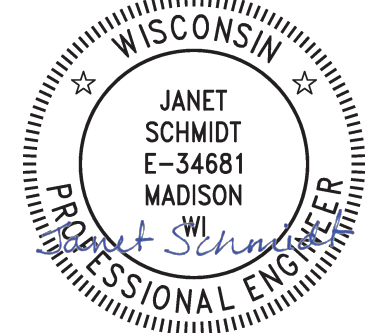
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STREET DESIGNED BY:



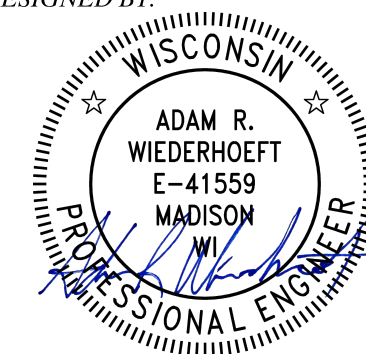
May 26, 2021

STORM SEWER DESIGNED BY:



May 26, 2021

WATER DESIGNED BY:



May 26, 2021

SANITARY SEWER DESIGNED BY:



May 26, 2021

PLOT SCALE: 1 IN:1 FT_XREF

PLOT NAME: ---




REV. DATE: 5/19/2021 7:37 AM

ORIGINATOR: CITY_OF_MADISON

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, REFERRING 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 BIRCH BLOSSOM ROAD & QUIET LEAF DRIVE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE WATTS 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.

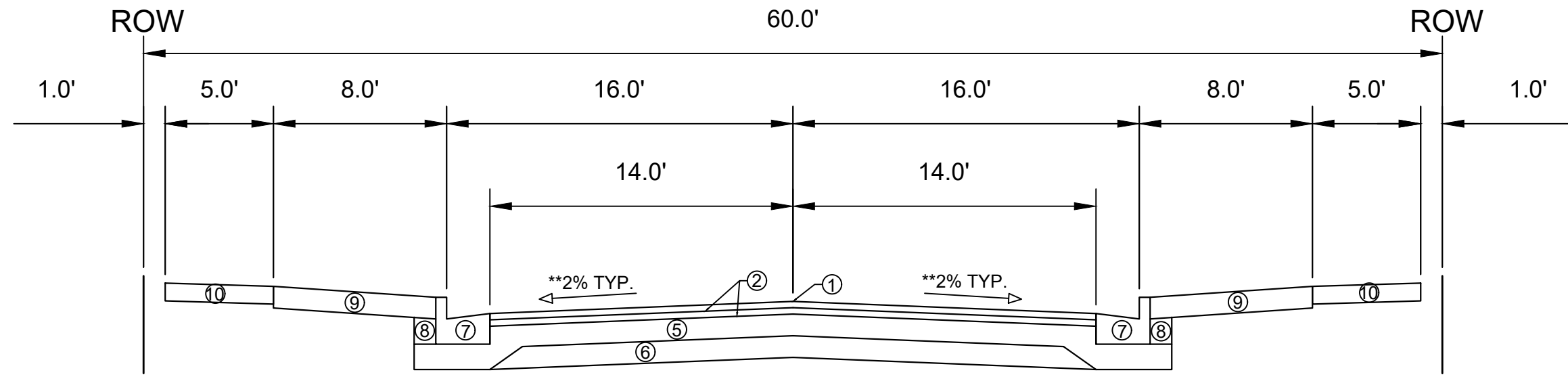
THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

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

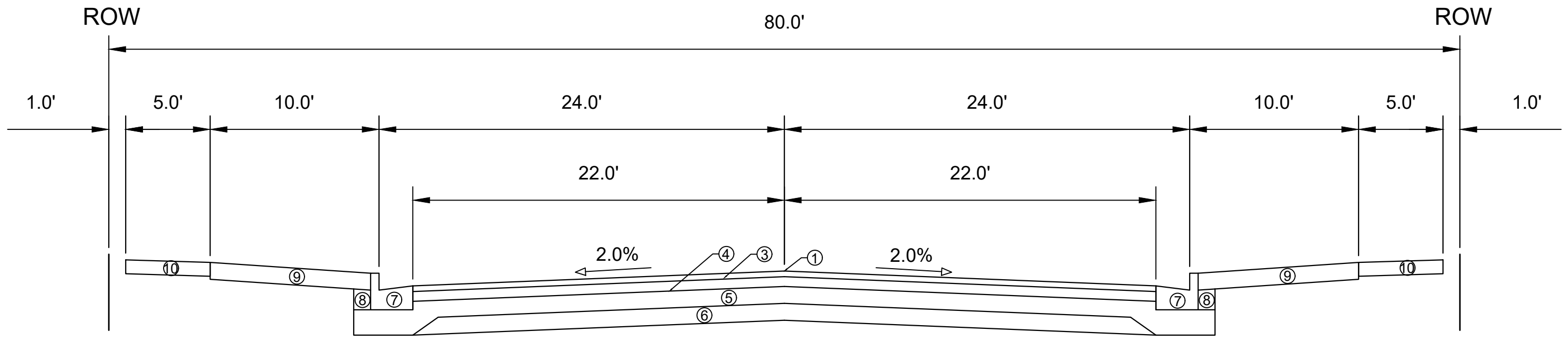
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO S.D.D 3.05.

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

STANDARD NOTES	13295	MADISON, WI	8968	CONTRACT NO:
BIRCHWOOD POINT SOUTH - PHASE 4				
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	13295			
	D-1			



TYPICAL SECTION
*BIRCH BLOSSOM ROAD



TYPICAL SECTION
*WATTS ROAD

SPECIAL NOTES:

- * SURFACE PAVING BY THE CITY.
- ** SEE P-SHEETS FOR CROSS SLOPES.

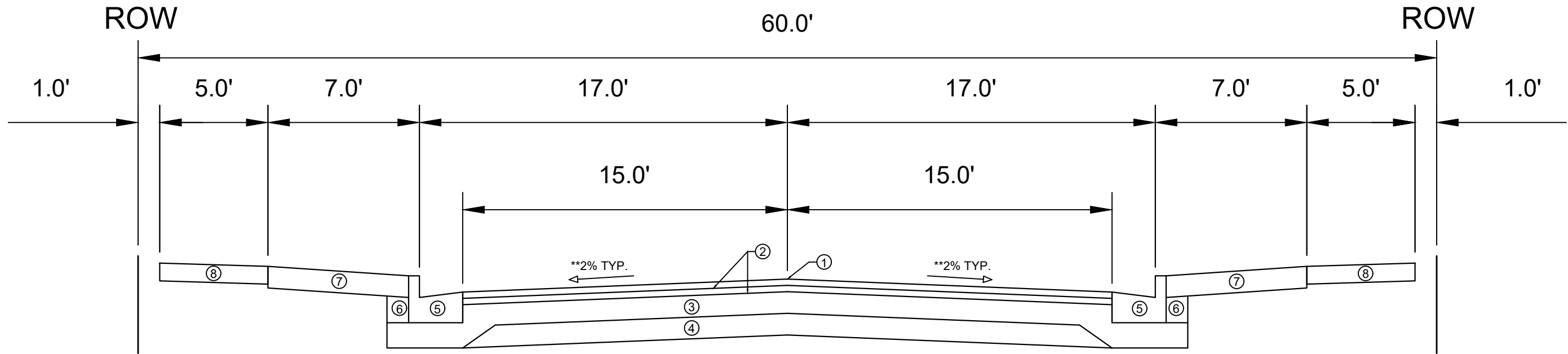
- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S
- ③ 2.00" HMA PAVEMENT- TYPE 4 MT 58-28 S
- ④ 3.50" HMA PAVEMENT- TYPE 3 MT 58-28 S
- ⑤ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- ⑥ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
- ⑦ CONCRETE CURB AND GUTTER TYPE 'A'.
- ⑧ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑨ 6" TOPSOIL, SEED, & MAT
- ⑩ 5" CONCRETE SIDEWALK

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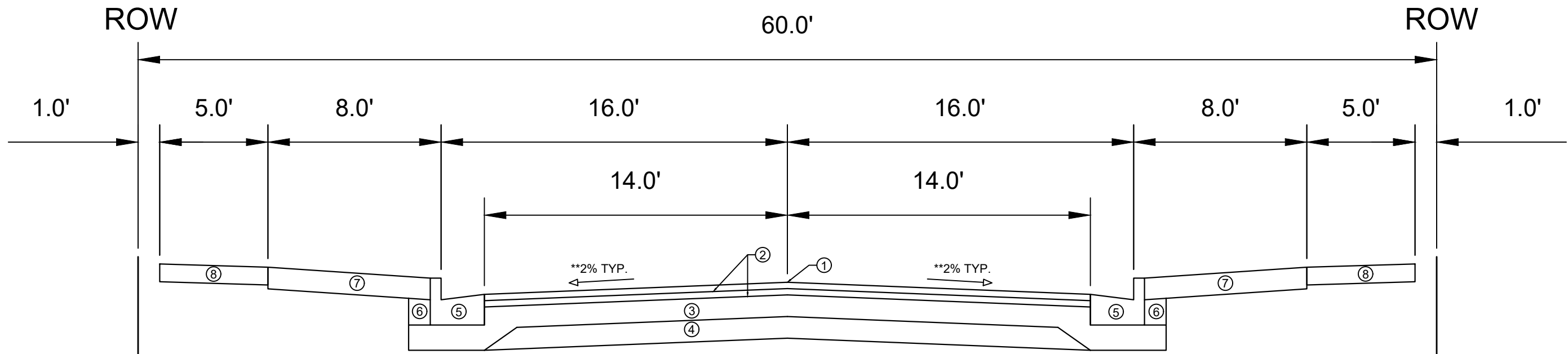
13295
MADISON, WI
CONTRACT NO: 8968

TYPICAL SECTIONS
BIRCHWOOD POINT SOUTH - PHASE 4
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TYPICAL SECTION
 *QUIET LEAF DRIVE
 STA 52+00 TO 53+24



TYPICAL SECTION
 *QUIET LEAF DRIVE
 STA 50+00 TO 51+25

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S
- ③ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- ④ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
- ⑤ CONCRETE CURB AND GUTTER TYPE 'A'.
- ⑥ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑦ 6" TOPSOIL, SEED, & MAT
- ⑧ 5" CONCRETE SIDEWALK

SPECIAL NOTES:

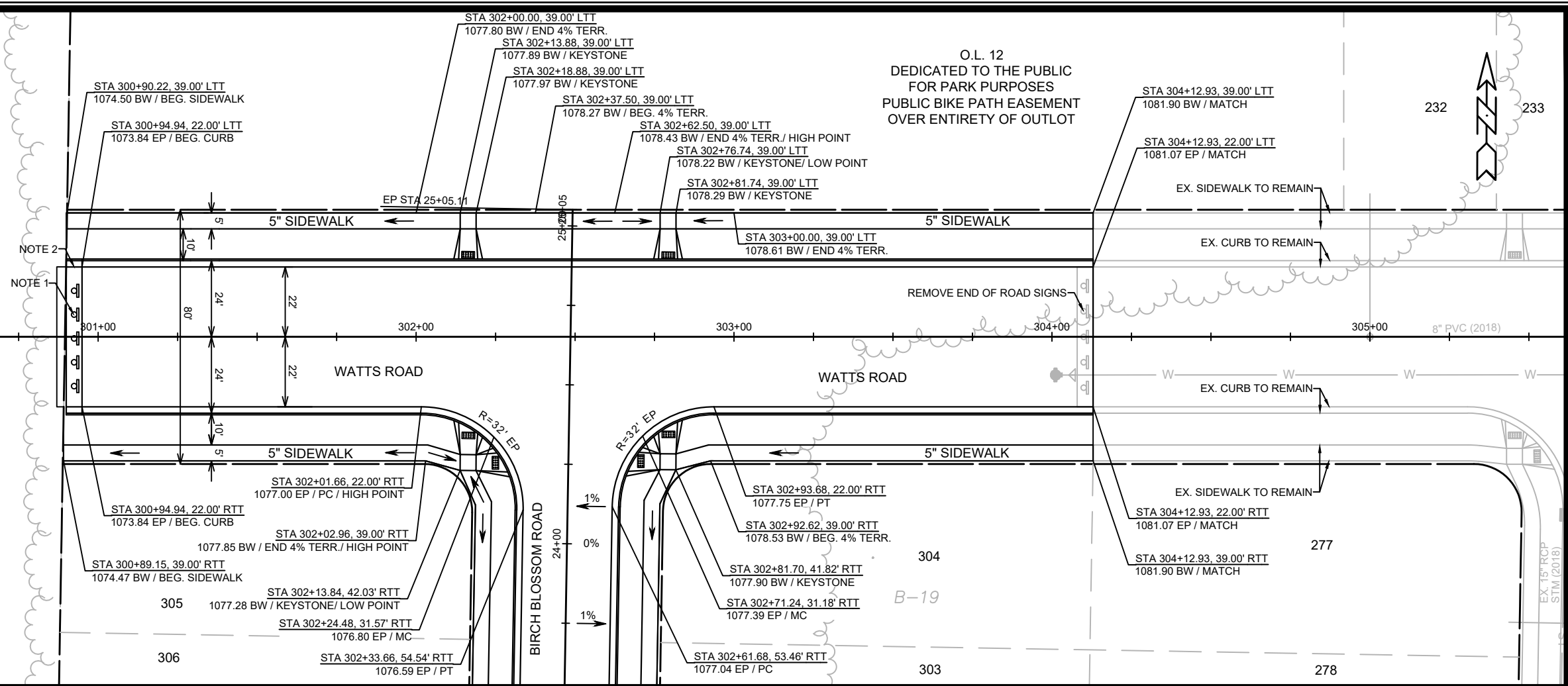
- * SURFACE PAVING BY THE CITY.
- ** SEE P-SHEETS FOR CROSS SLOPES.

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 MADISON, WI
 CONTRACT NO: 8968

TYPICAL SECTIONS
 BIRCHWOOD POINT SOUTH - PHASE 4
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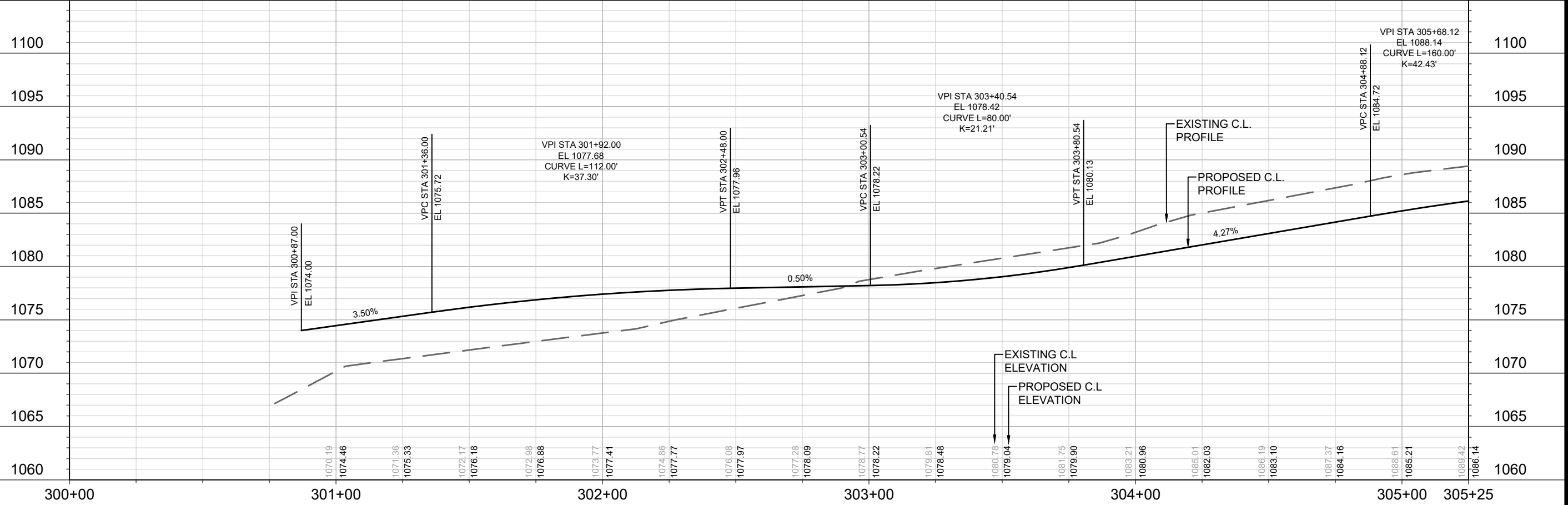




- SIDEWALK DRAINAGE PATH
- DETECTABLE WARNING FIELD
- X TREE REMOVAL

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

O.L. 12
 DEDICATED TO THE PUBLIC
 FOR PARK PURPOSES
 PUBLIC BIKE PATH EASEMENT
 OVER ENTIRETY OF OUTLOT



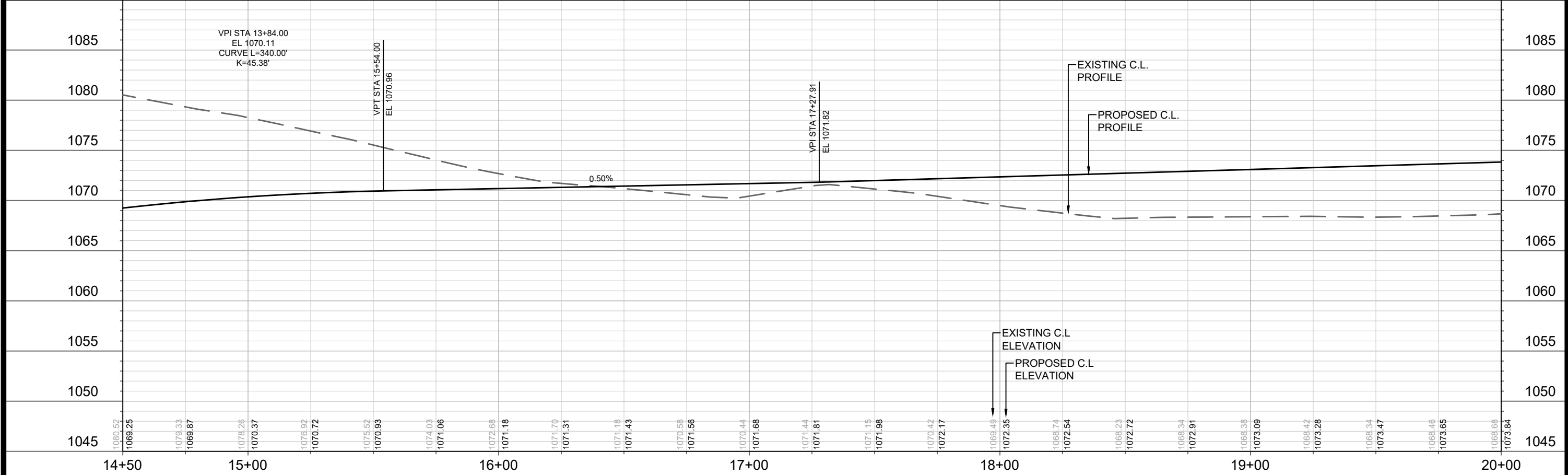
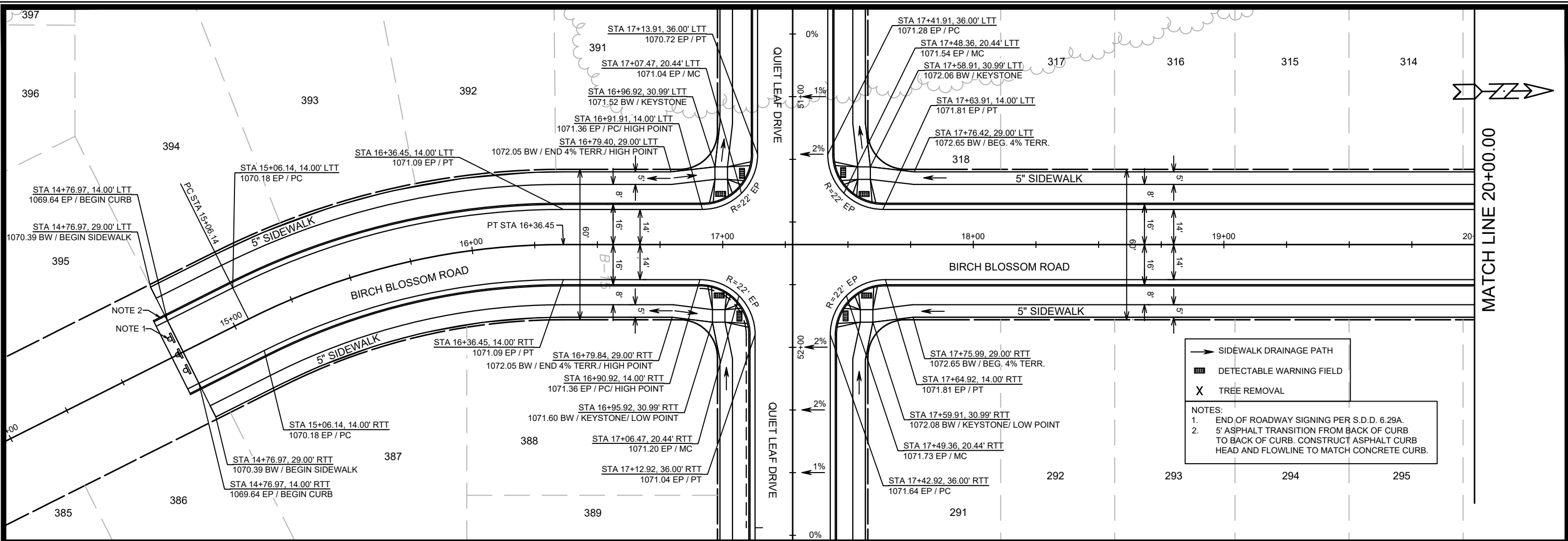
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 MADISON, WI
 8968
 CONTRACT NO:

PLAN & PROFILE- WATTS ROAD
 BIRCHWOOD POINT SOUTH - PHASE 4
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13295
 P-1



- SIDEWALK DRAINAGE PATH
 DETECTABLE WARNING FIELD
 X TREE REMOVAL
- NOTES:**
 1. END OF ROADWAY SIGNING PER S.D.D. 6.29A.
 2. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.

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MARK	BY
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PLAN & PROFILE- BIRCH BLOSSOM ROAD
 BIRCHWOOD POINT SOUTH - PHASE 4
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MATCH LINE 20+00.00

313 312 311 310 309 308 307 306 305

21+00 22+00 23+00 24+00 25+00

296 297 298 299 300 301 302 303 304

- NOTES:
1. END OF ROADWAY SIGNING PER S.D.D. 6.29A.
 2. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
- SIDEWALK DRAINAGE PATH
 - DETECTABLE WARNING FIELD
 - X TREE REMOVAL

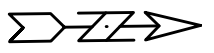
STA 24+11.69, 29.00' LTT
1077.37 BW / END 4% TERR. / HIGH POINT

STA 23+50.00, 14.00' RTT
1076.15 EP

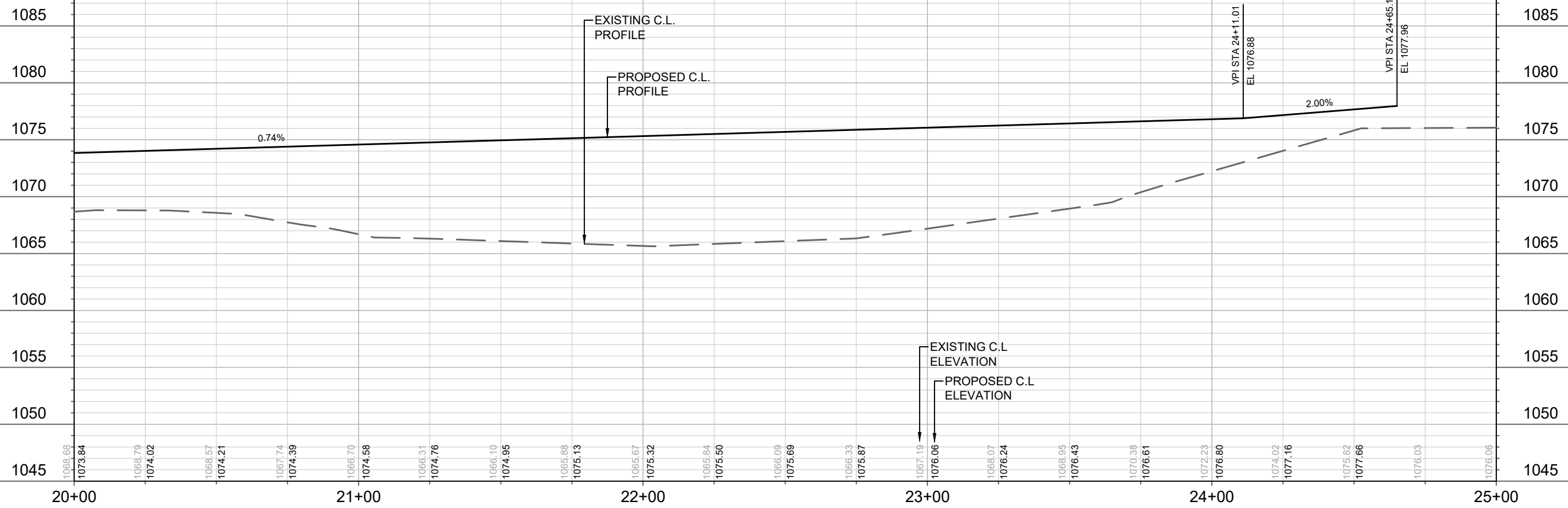
STA 23+75.00, 14.00' RTT
1076.47 EP

STA 24+00.00, 14.00' RTT
1076.80 EP

STA 24+13.04, 29.00' RTT
1077.78 BW / END 4% TERR.



O.L. 12
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FOR PARK PURPOSES
PUBLIC BIKE PATH EASEMENT
OVER ENTIRETY OF OUTLOT



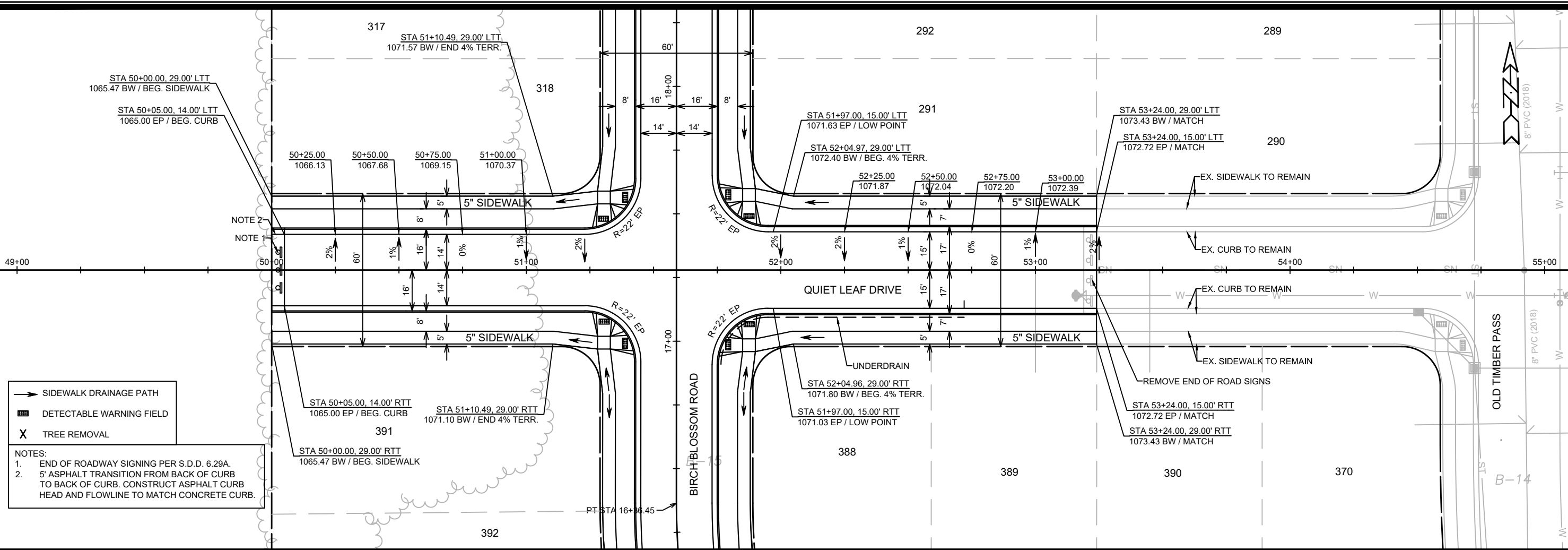
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MADISON, WI
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CONTRACT NO:

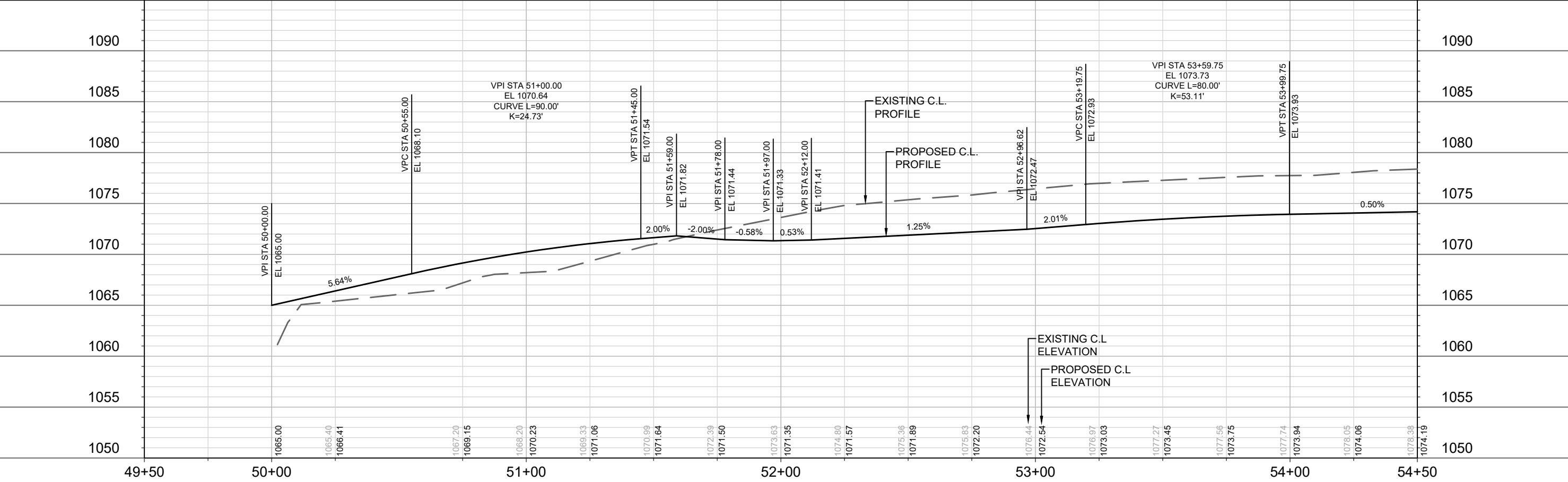
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BIRCHWOOD POINT SOUTH - PHASE 4
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13295
P-3



- SIDEWALK DRAINAGE PATH
- DETECTABLE WARNING FIELD
- X TREE REMOVAL

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

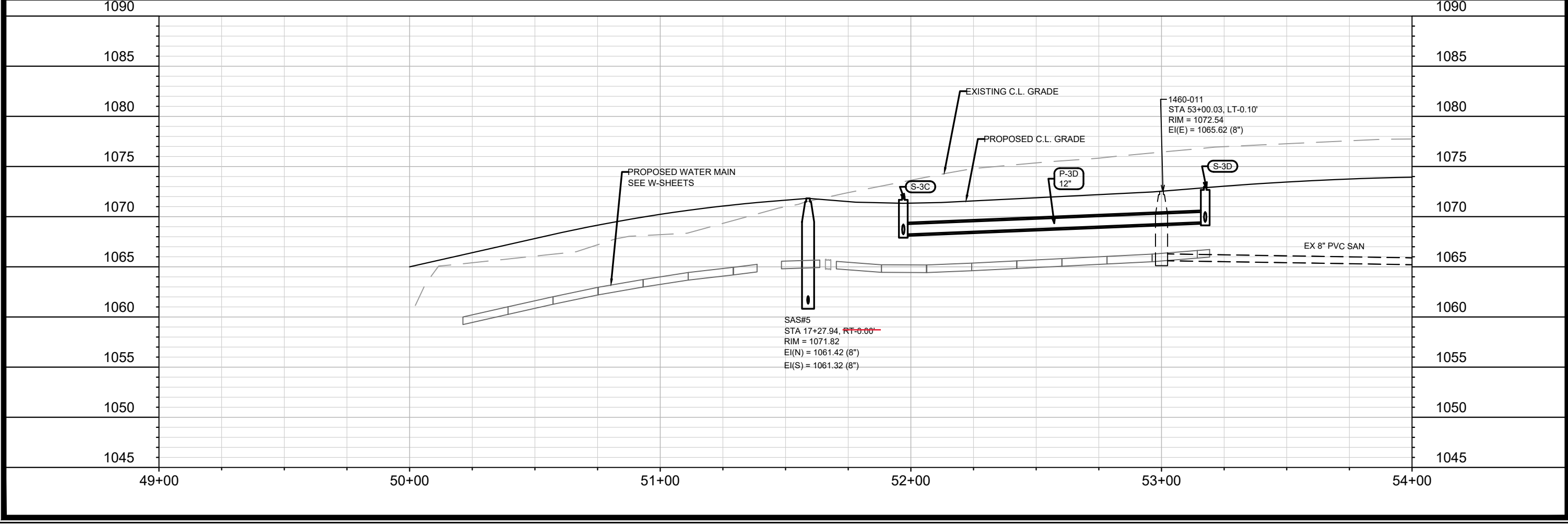
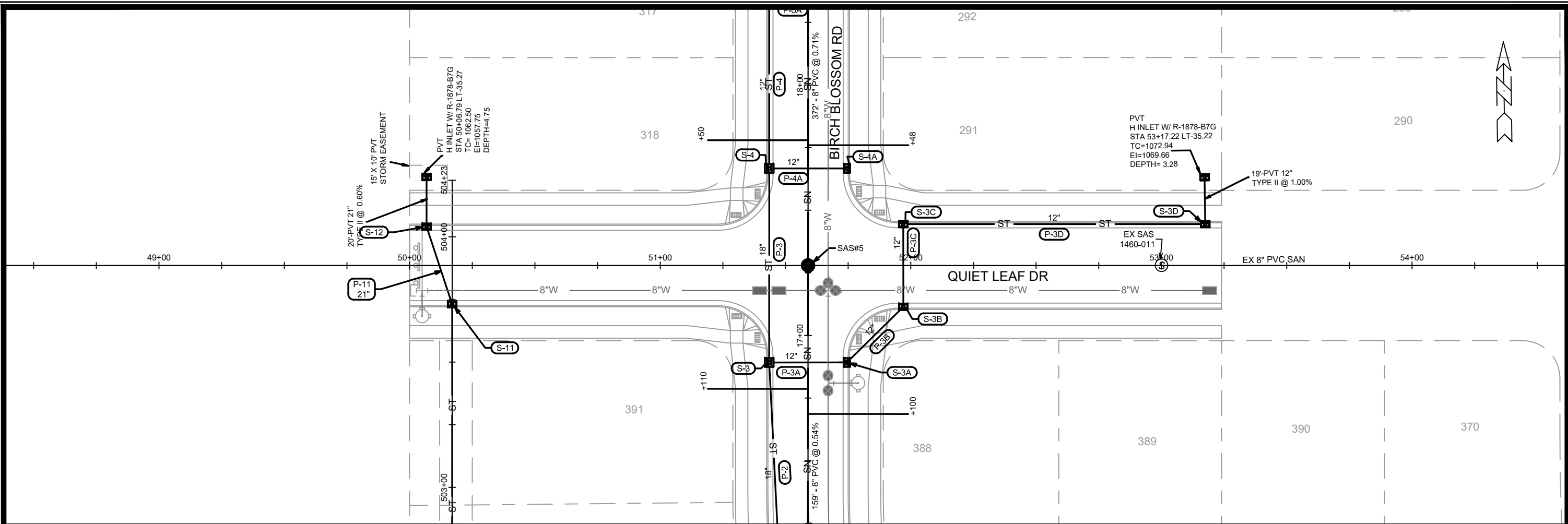


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 CONTRACT NO:

PLAN & PROFILE- QUIET LEAF DRIVE
 BIRCHWOOD POINT SOUTH - PHASE 4
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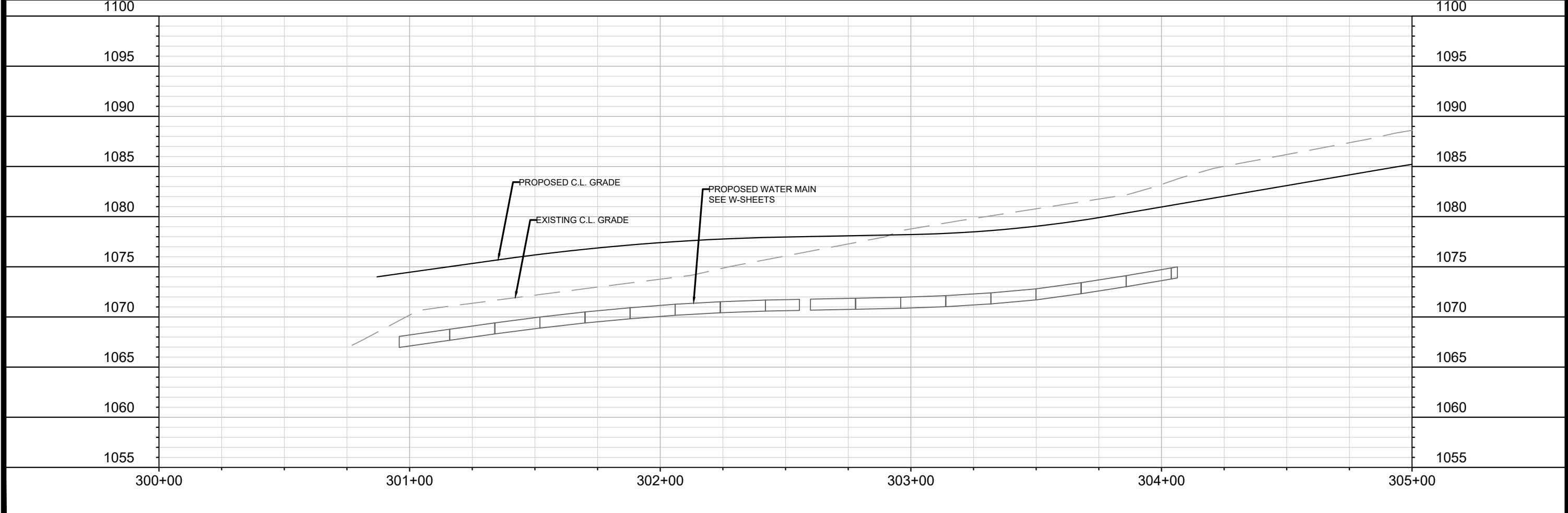
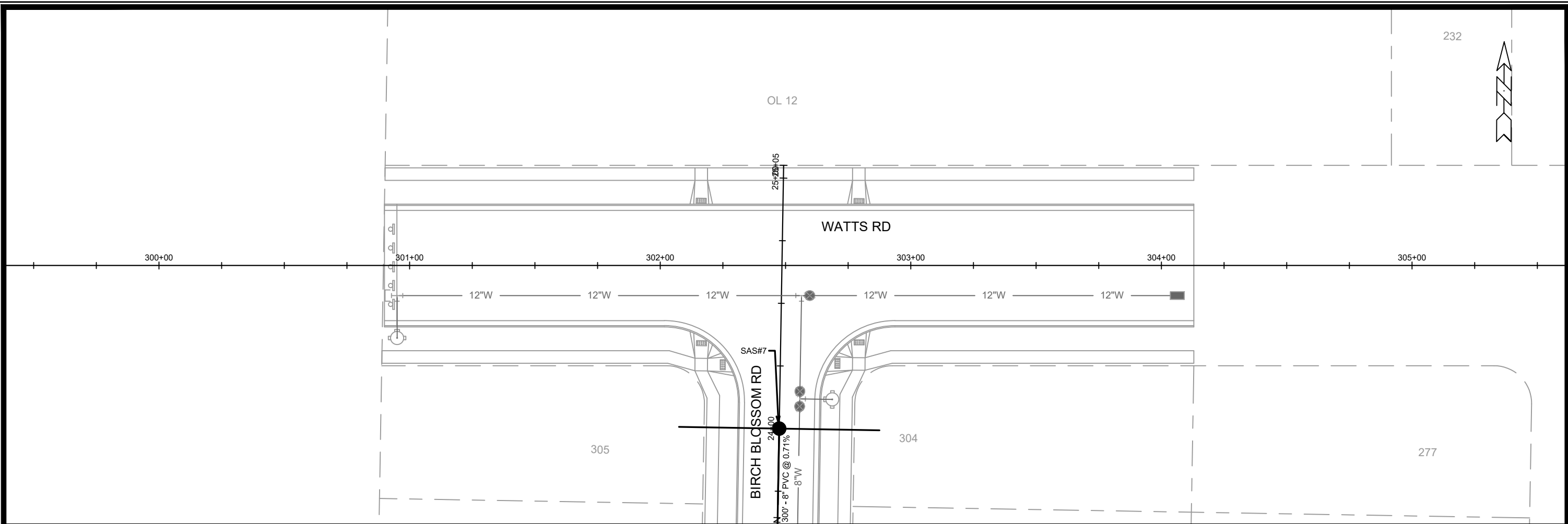
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UTILITIES PLAN & PROFILE - QUIET LEAF DR
 BIRCHWOOD POINT SOUTH - PHASE 4
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13295
 U-1



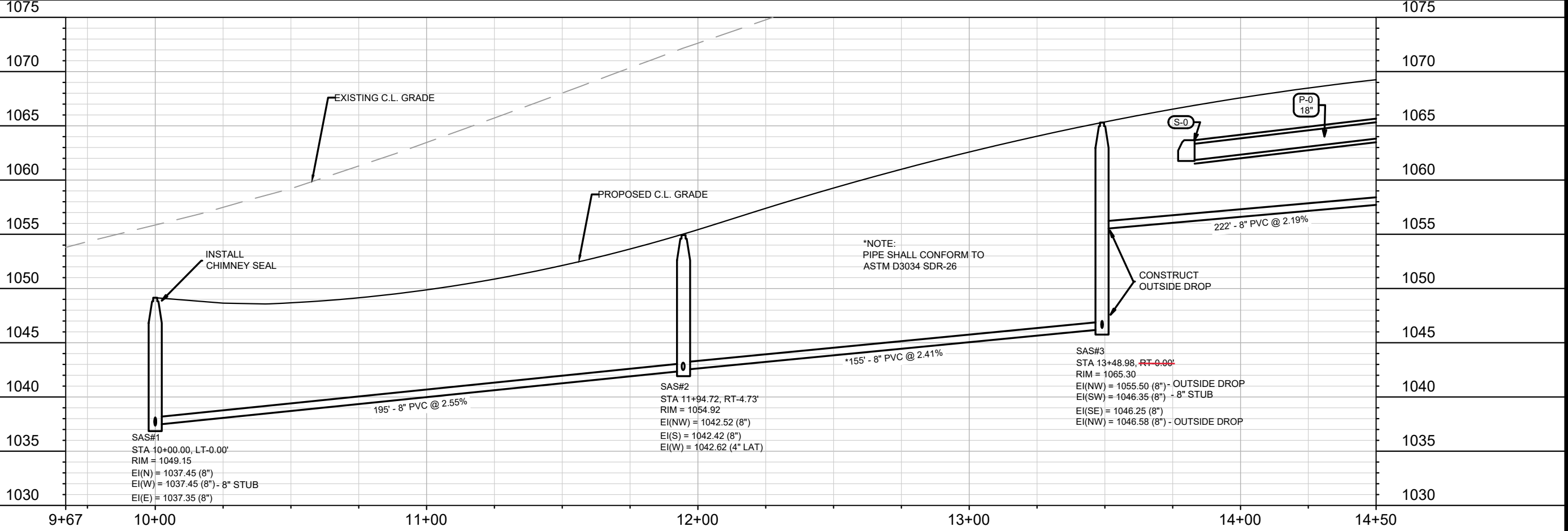
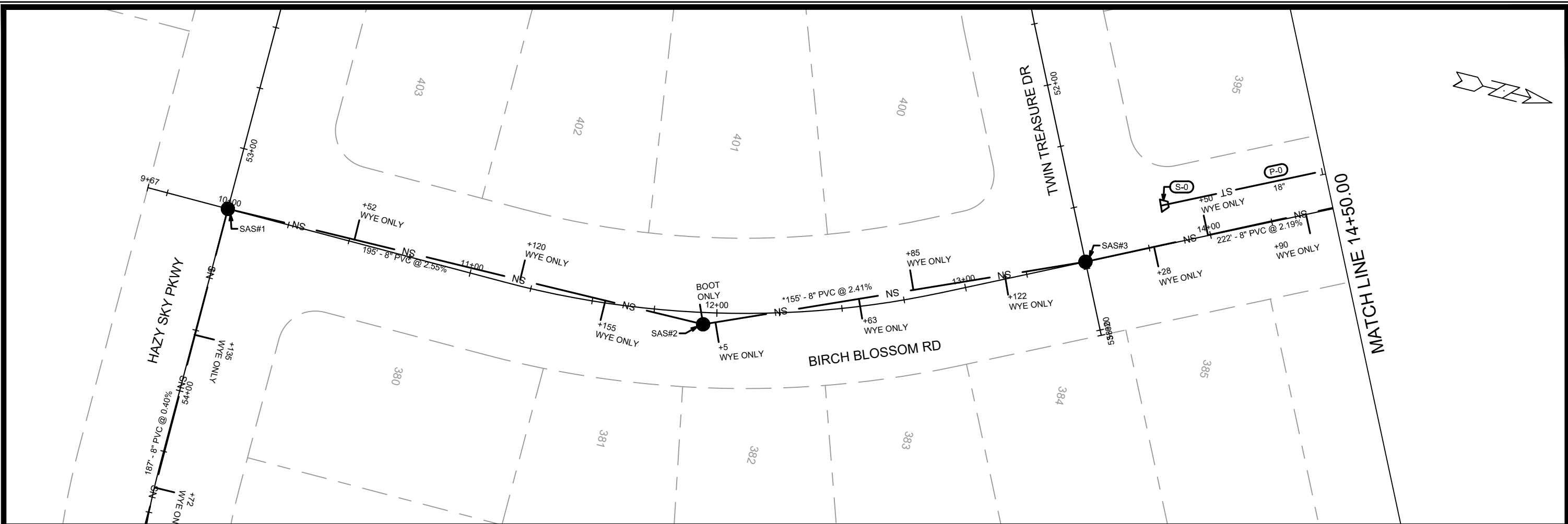
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 MADISON, WI
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UTILITIES PLAN & PROFILE - WATTS RD
 BIRCHWOOD POINT SOUTH - PHASE 4
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13295
 U-2



SAS#1
 STA 10+00.00, LT-0.00'
 RIM = 1049.15
 EI(N) = 1037.45 (8")
 EI(W) = 1037.45 (8") - 8" STUB
 EI(E) = 1037.35 (8")

SAS#2
 STA 11+94.72, RT-4.73'
 RIM = 1054.92
 EI(NW) = 1042.52 (8")
 EI(S) = 1042.42 (8")
 EI(W) = 1042.62 (4" LAT)

SAS#3
 STA 13+48.98, ~~RT-0.00'~~
 RIM = 1065.30
 EI(NW) = 1055.50 (8") - OUTSIDE DROP
 EI(SW) = 1046.35 (8") - 8" STUB
 EI(SE) = 1046.25 (8")
 EI(NW) = 1046.58 (8") - OUTSIDE DROP

*NOTE:
 PIPE SHALL CONFORM TO
 ASTM D3034 SDR-26

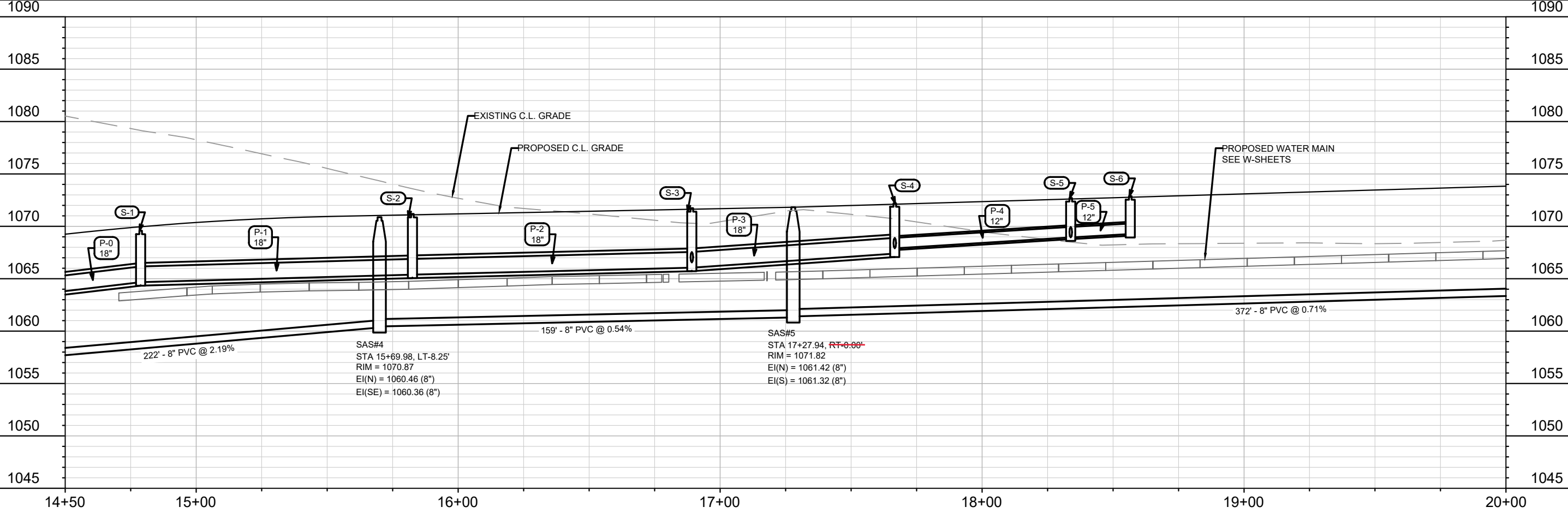
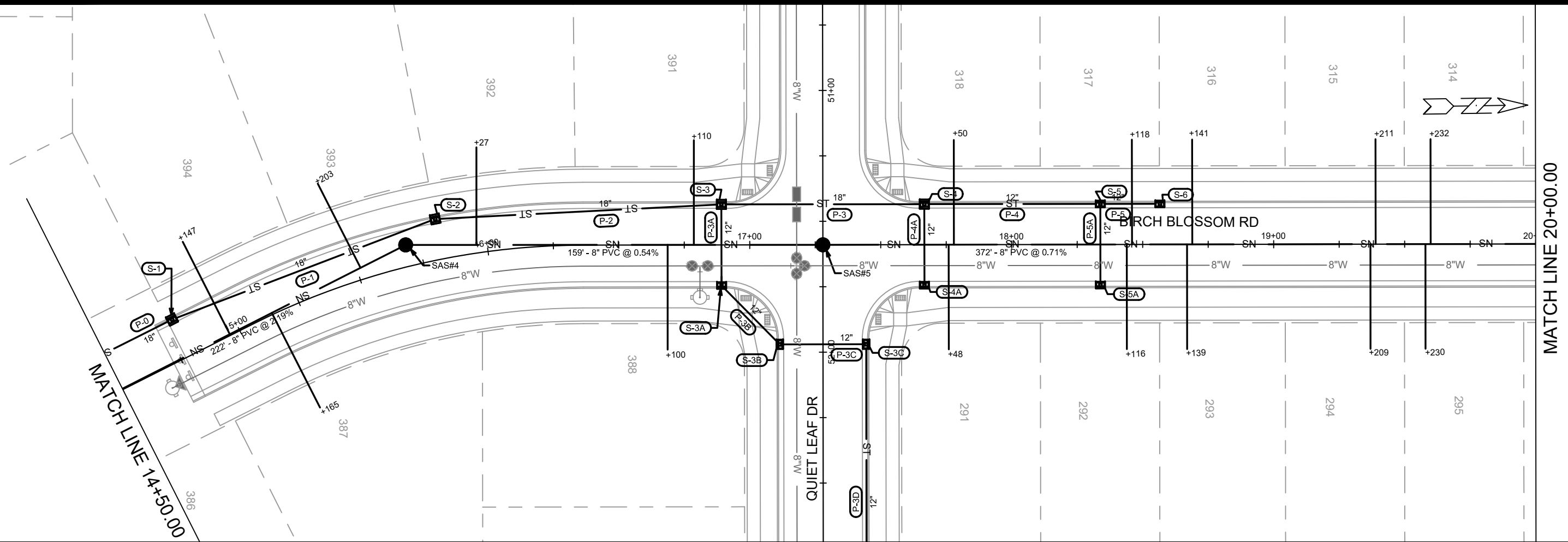
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UTILITIES PLAN & PROFILE - BIRCH BLOSSOM RD
 BIRCHWOOD POINT SOUTH - PHASE 4
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13295
 U-3



MATCH LINE 20+00.00

MATCH LINE 14+50.00

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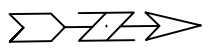
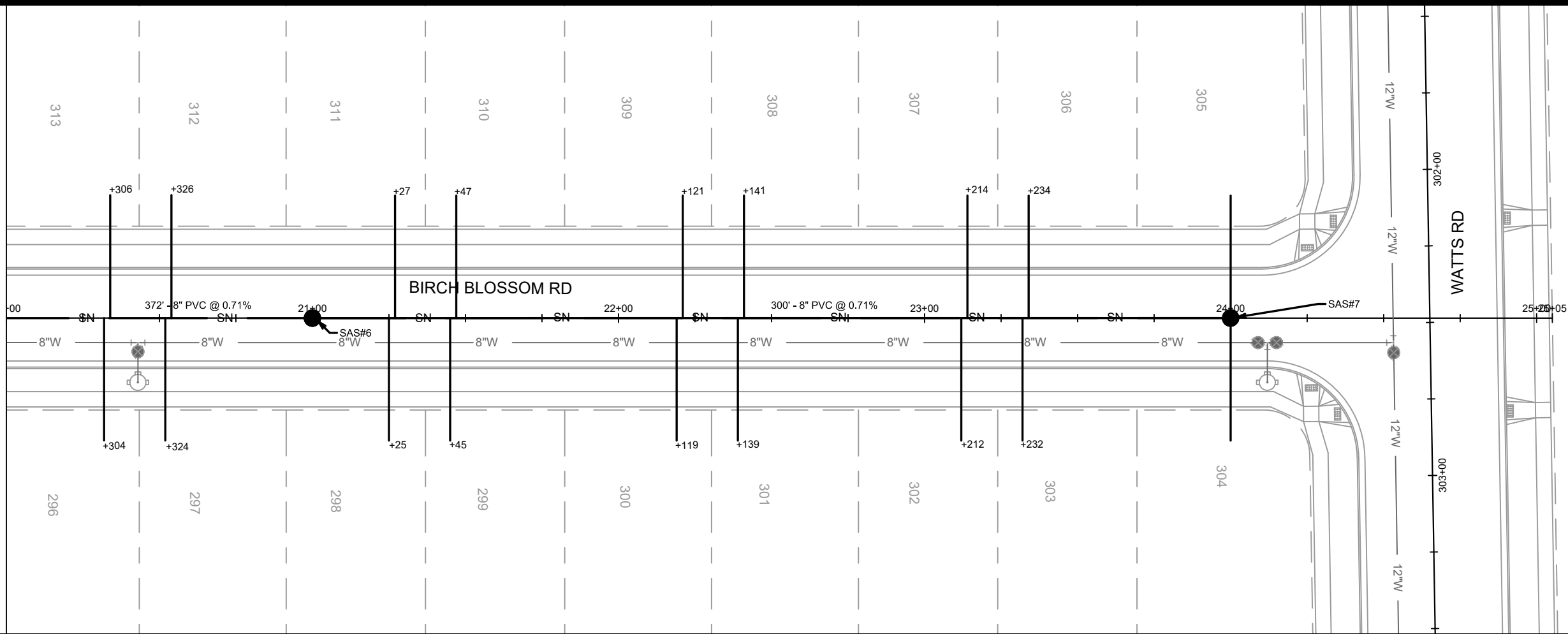
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UTILITIES PLAN & PROFILE - BIRCH BLOSSOM RD
BIRCHWOOD POINT SOUTH - PHASE 4
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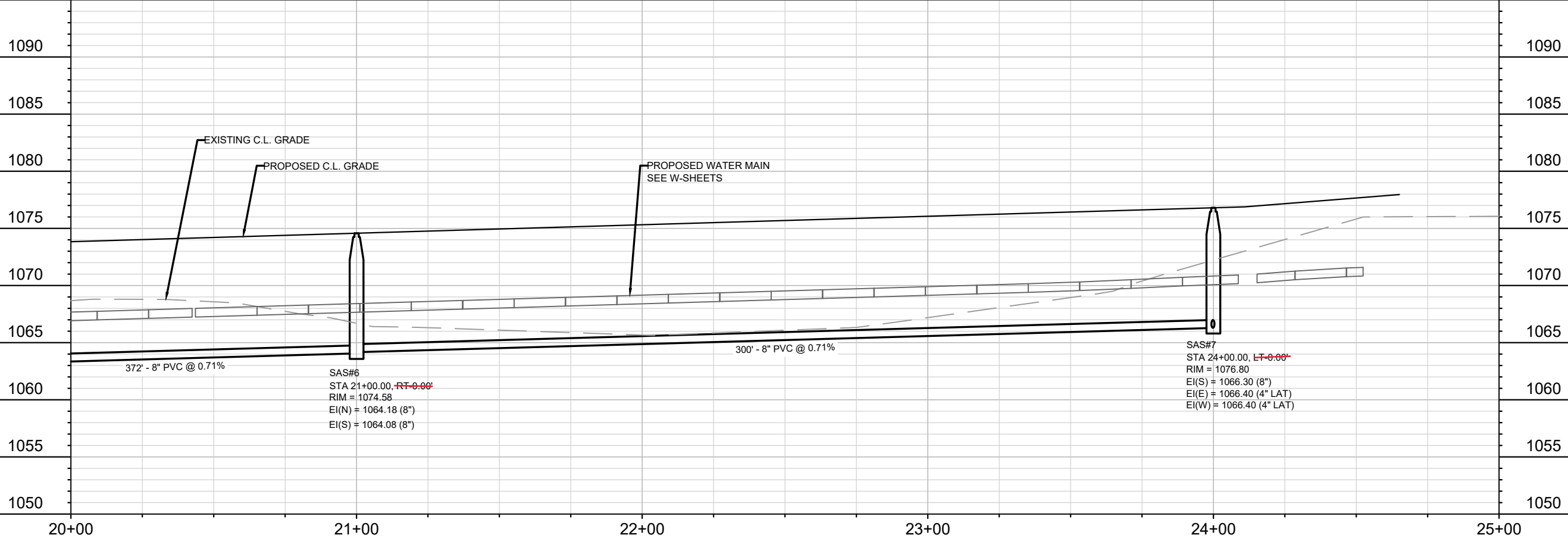
13295
U-4

MATCH LINE 20+00.00



1095

1095



SAS#6
 STA 21+00.00, ~~RT-0.00~~
 RIM = 1074.58
 EI(N) = 1064.18 (8")
 EI(S) = 1064.08 (8")

SAS#7
 STA 24+00.00, ~~LT-0.00~~
 RIM = 1076.80
 EI(S) = 1066.30 (8")
 EI(E) = 1066.40 (4" LAT)
 EI(W) = 1066.40 (4" LAT)

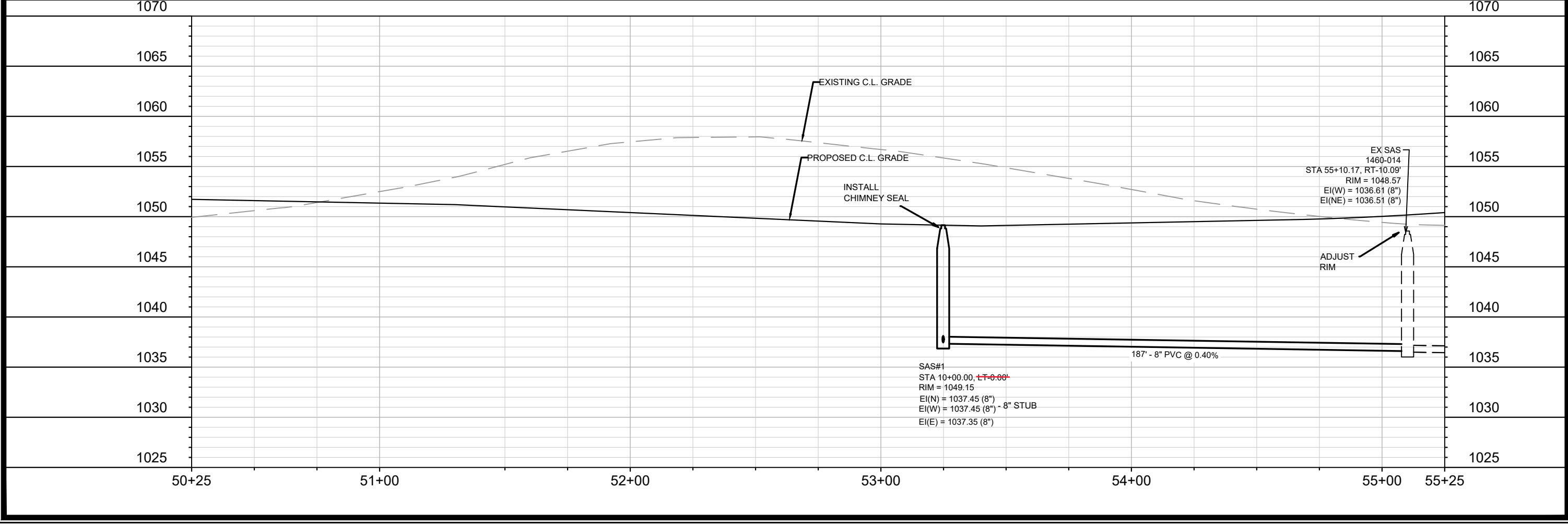
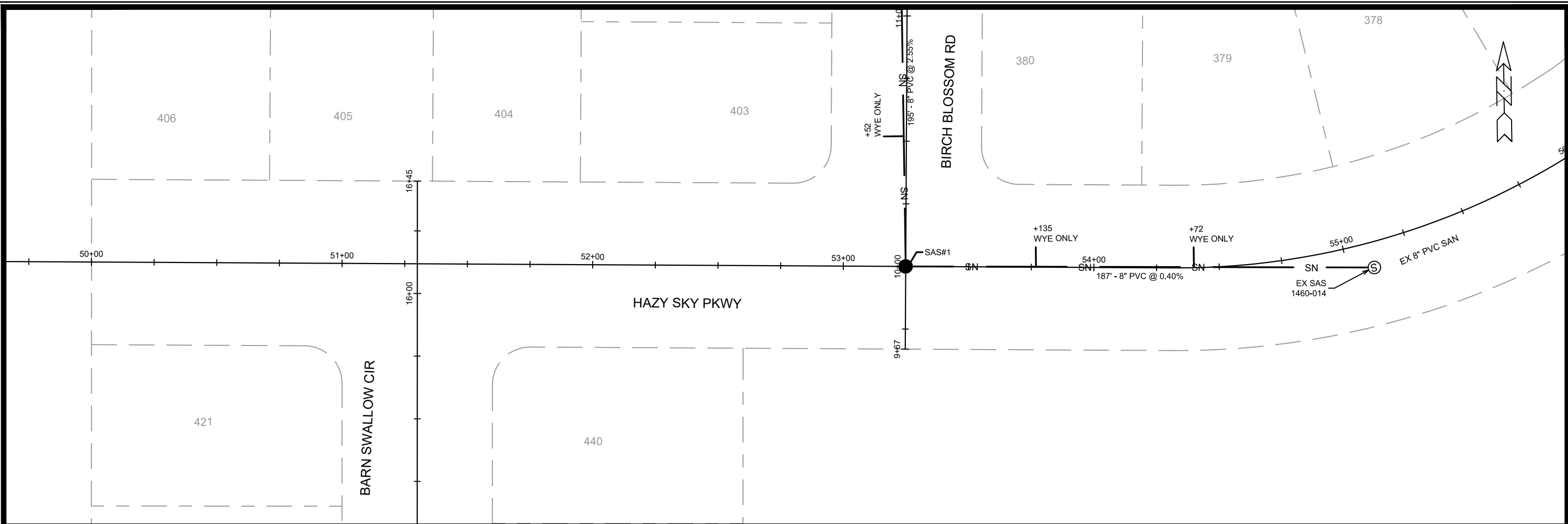
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 MADISON, WI
 8968
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UTILITIES PLAN & PROFILE - BIRCH BLOSSOM RD
 BIRCHWOOD POINT SOUTH - PHASE 4
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13295
 U-5



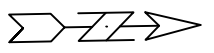
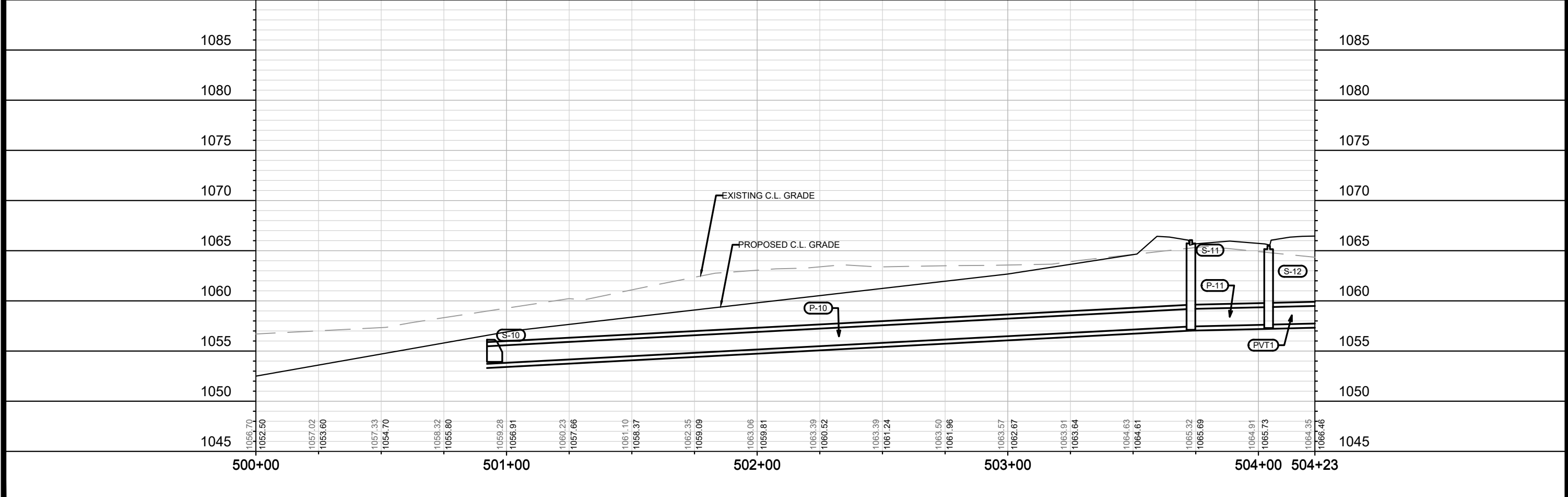
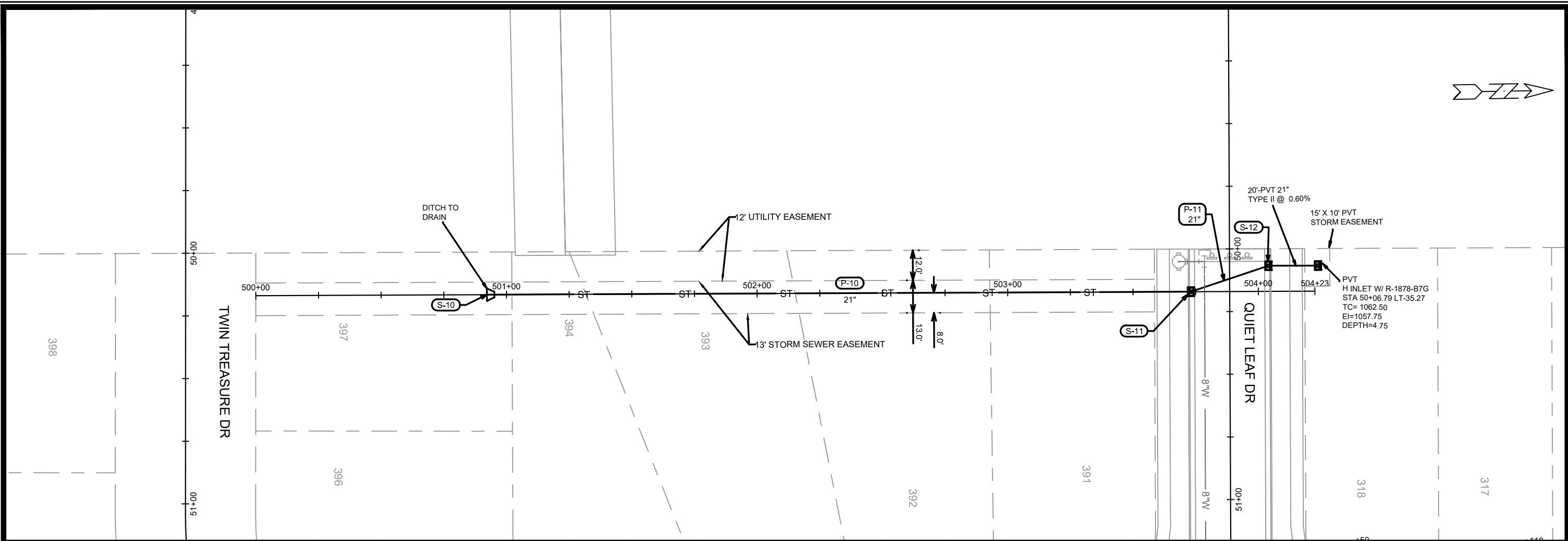
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UTILITIES PLAN & PROFILE - HAZY SKY PKWY
 BIRCHWOOD POINT SOUTH - PHASE 4
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13295
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 CONTRACT NO:

UTILITIES PLAN & PROFILE - STORM EASEMENT
 BIRCHWOOD POINT SOUTH - PHASE 4
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13295
 U-7

SANITARY SEWER SCHEDULE

BIRCHWOOD POINT SOUTH PH 4

SHEET NO.

PROJECT NO. 13295

U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY

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

BIRCH BLOSSOM ROAD

SAS#1	10+00.00	CL	1049.15	1037.35	11.80	INSTALL CHIMNEY SEAL
SAS#2	11+94.72	RT-4.73	1054.92	1042.42	12.50	-
SAS#3	13+48.98	CL	1065.30	1046.25	19.05	OUTSIDE DROP
SAS#4	15+69.98	LT-8.25	1070.87	1060.36	10.51	-
SAS#5	17+27.94	CL	1071.82	1061.32	10.50	-
SAS#6	21+00.00	CL	1074.58	1064.08	10.50	-
SAS#7	24+00.00	CL	1076.80	1066.30	10.50	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EX SAS 1460-014	SAS#1	1036.61	1037.35	187	0.40%	8"	SDR-35	-
SAS#1	SAS#2	1037.45	1042.42	195	2.55%	8"	SDR-35	-
SAS#2	SAS#3	1042.52	1046.25	155	2.41%	8"	SDR-26	-
SAS#3	SAS#4	1055.50	1060.36	222	2.19%	8"	SDR-35	-
SAS#4	SAS#5	1060.46	1061.32	159	0.54%	8"	SDR-35	-
SAS#5	SAS#6	1061.42	1064.08	372	0.72%	8"	SDR-35	-
SAS#6	SAS#7	1064.18	1066.30	300	0.71%	8"	SDR-35	-

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

BIRCHWOOD POINT SOUTH PH 4 PROJECT NO. 13295	SHEET NO. U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
BIRCH BLOSSOM RD							
S-0	13+83.09	LT-15.50	18" RCP APRON END	-	1061.84	-	W/ GATE; (2)
S-1	14+78.79	LT-15.50	3X3 SAS	1070.05	1064.67	5.38	W/ R-3067-7004-V
S-2	15+82.55	LT-15.50	3X3 SAS	1071.18	1065.39	5.79	W/ R-3067-7004-V
S-3	16+89.20	LT-15.50	3X3 SAS	1071.73	1066.05	5.68	W/ R-3067-7004-V
S-3A	16+89.22	RT-15.50	H INLET	1071.73	1067.61	4.12	W/ R-3067-7004-V
S-4	17+66.67	LT-15.50	3X3 SAS	1072.20	1067.40	4.80	W/ R-3067-7004-V
S-4A	17+66.67	RT-15.50	H INLET	1072.20	1068.80	3.40	W/ R-3067-7004-V
S-5	18+33.84	LT-15.50	H INLET	1072.70	1068.94	3.76	W/ R-3067-7004-V
S-5A	18+33.84	RT-15.50	H INLET	1072.70	1069.14	3.56	W/ R-3067-7004-V
S-6	18+56.58	LT-15.50	H INLET	1072.87	1069.27	3.60	W/ R-3067-7004-V
QUIET LEAF DR							
S-3B	51+97.00	RT-16.50	H INLET	1071.41	1067.90	3.51	LP; W/ R-3067-7004-VB; (1)
S-3C	51+97.00	LT-16.50	H INLET	1072.01	1068.23	3.78	LP; W/ R-3067-7004-VB
S-3D	53+17.46	LT-16.50	H INLET	1073.00	1069.47	3.53	W/ R-3067-7004-V
S-11	50+17.00	RT-15.50	H INLET	1066.06	1057.45	8.61	W/ R-3067-7004-V
S-12	50+06.78	LT-15.50	H INLET	1065.48	1057.63	7.85	W/ R-3067-7004-V
STORM SEWER EASEMENT							
S-10	500+92.18	CL	21" RCP APRON END	-	1053.73	-	W/ GATE; (2)

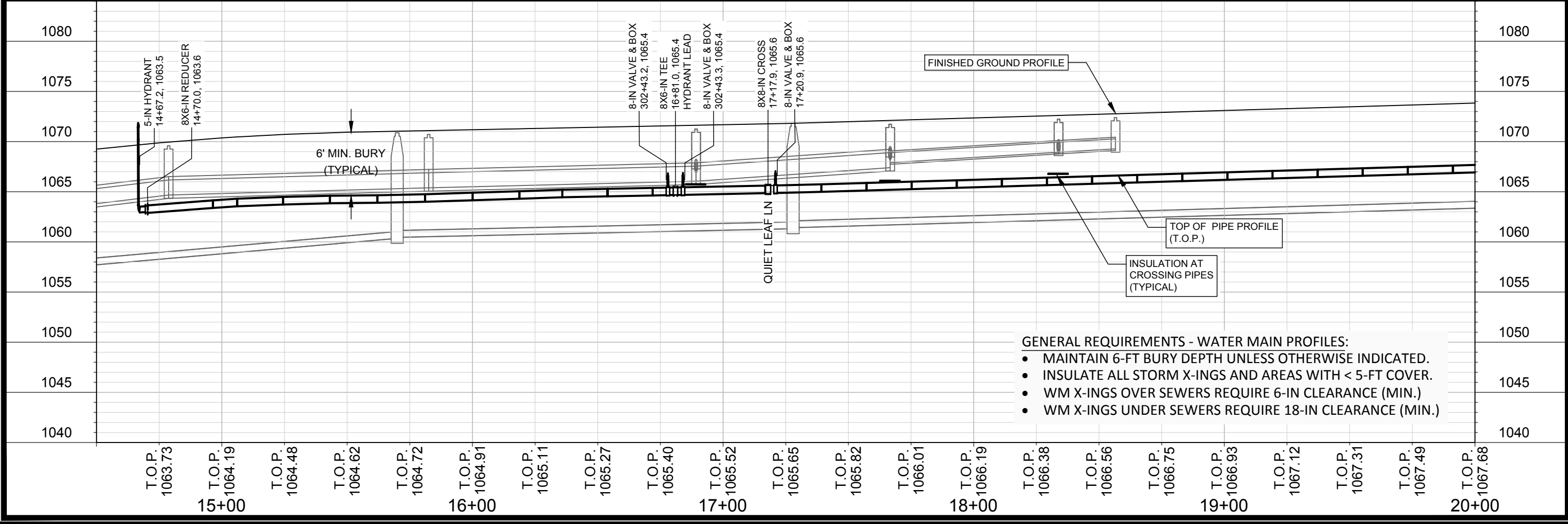
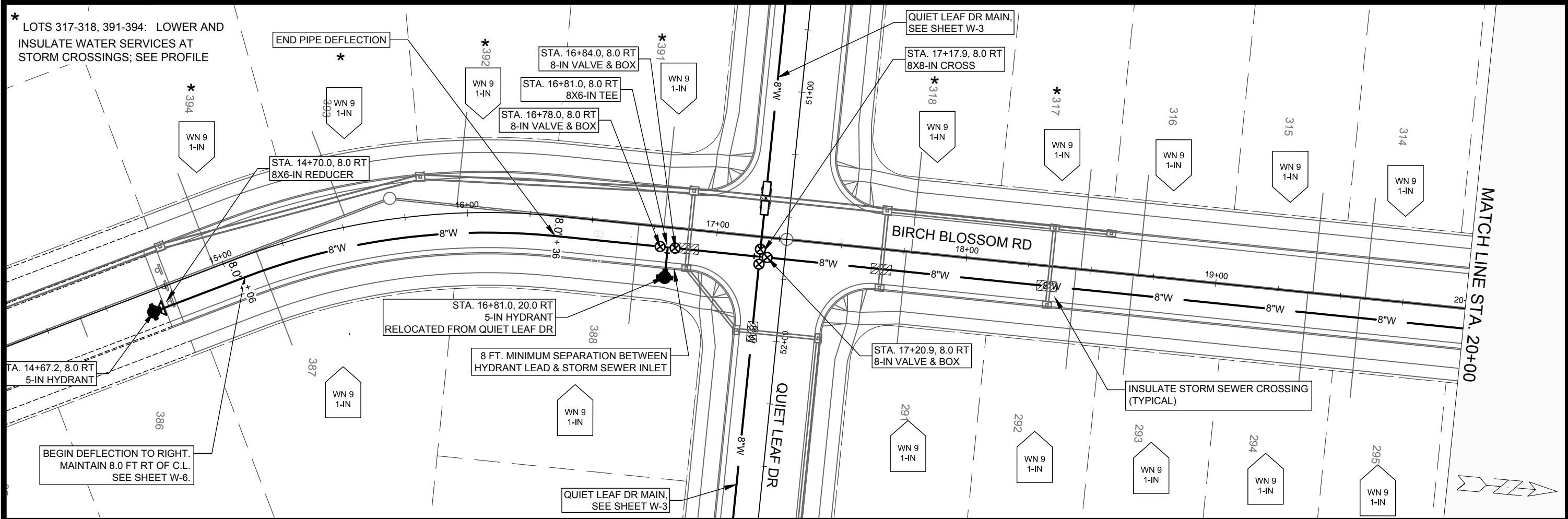
SPECIFIC NOTES:

- (1) INSTALL LOW POINT PVC DRAIN; SEE S.D.D. 5.7.7A
- (2) STATION AND OFFSET TO THE FRONT CENTER OF AE

STANDARD NOTES:

- PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR STORM SEWER PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.
- FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

* LOTS 317-318, 391-394: LOWER AND INSULATE WATER SERVICES AT STORM CROSSINGS; SEE PROFILE



SCALE: 1" = 40'

DESIGNED BY: DAR
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/25/21

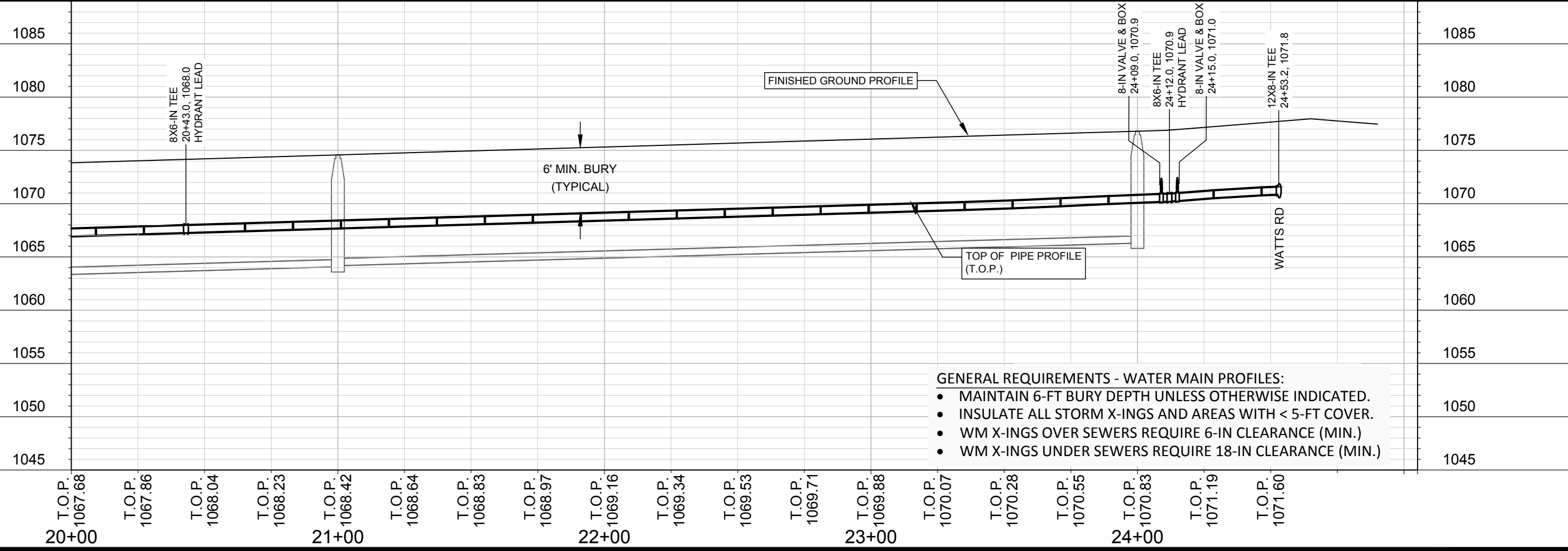
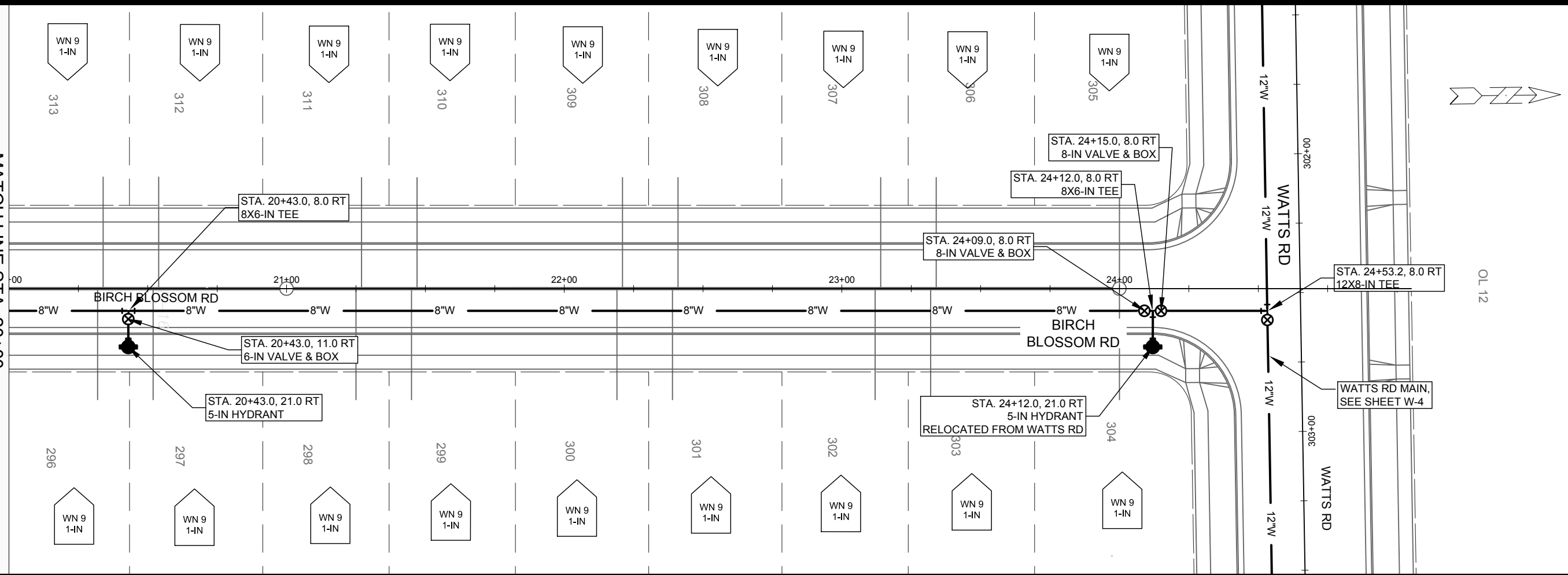
CONTRACT NO: 8968

BIRCHWOOD POINT SOUTH - PHASE 4
PLAN & PROFILE: BIRCH BLOSSOM RD
CITY OF MADISON, WISCONSIN

13295
W-1

M:\DESIGN\PROJECTS\13295\CAD\WATER\13295WU-WATER.DWG

MATCH LINE STA. 20+00



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

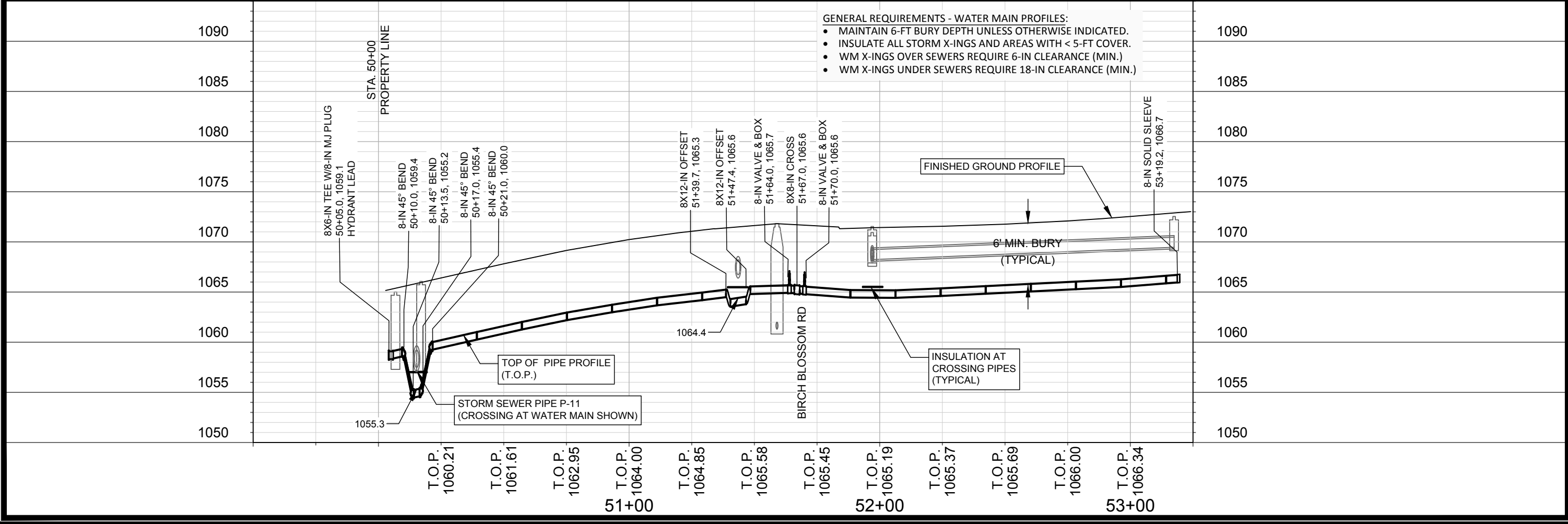
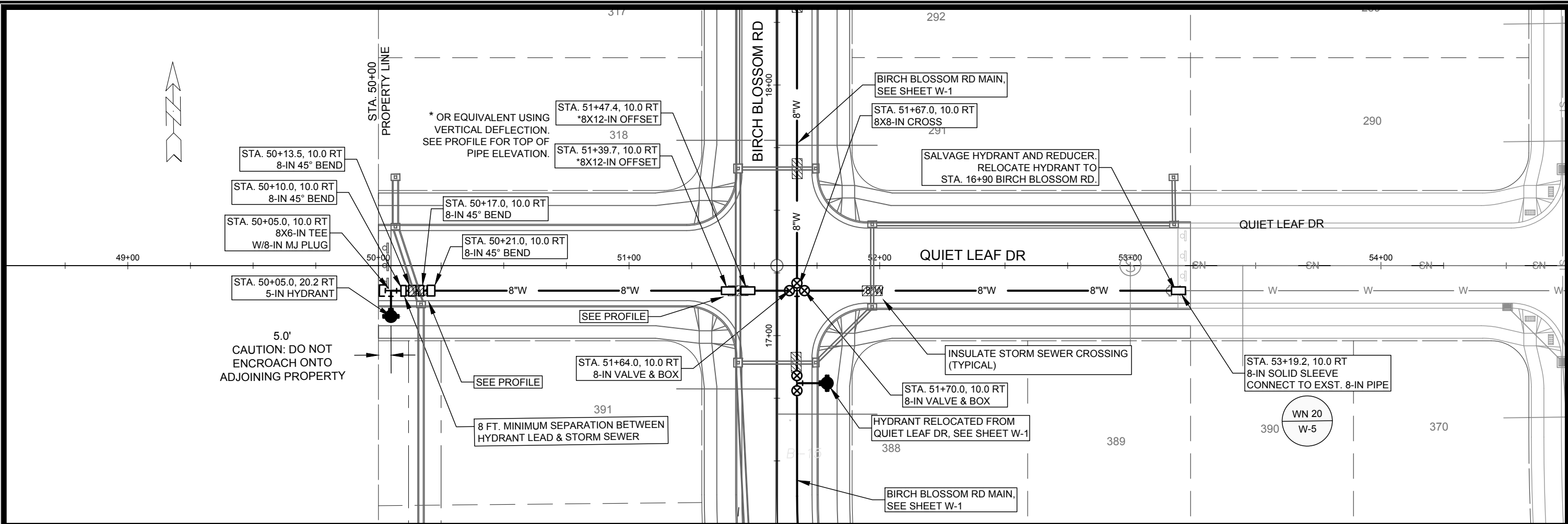
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 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 5/25/21

CONTRACT NO: 8968

BIRCHWOOD POINT SOUTH - PHASE 4
 PLAN & PROFILE: BIRCH BLOSSOM RD
 CITY OF MADISON, WISCONSIN



13295
 W-2



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

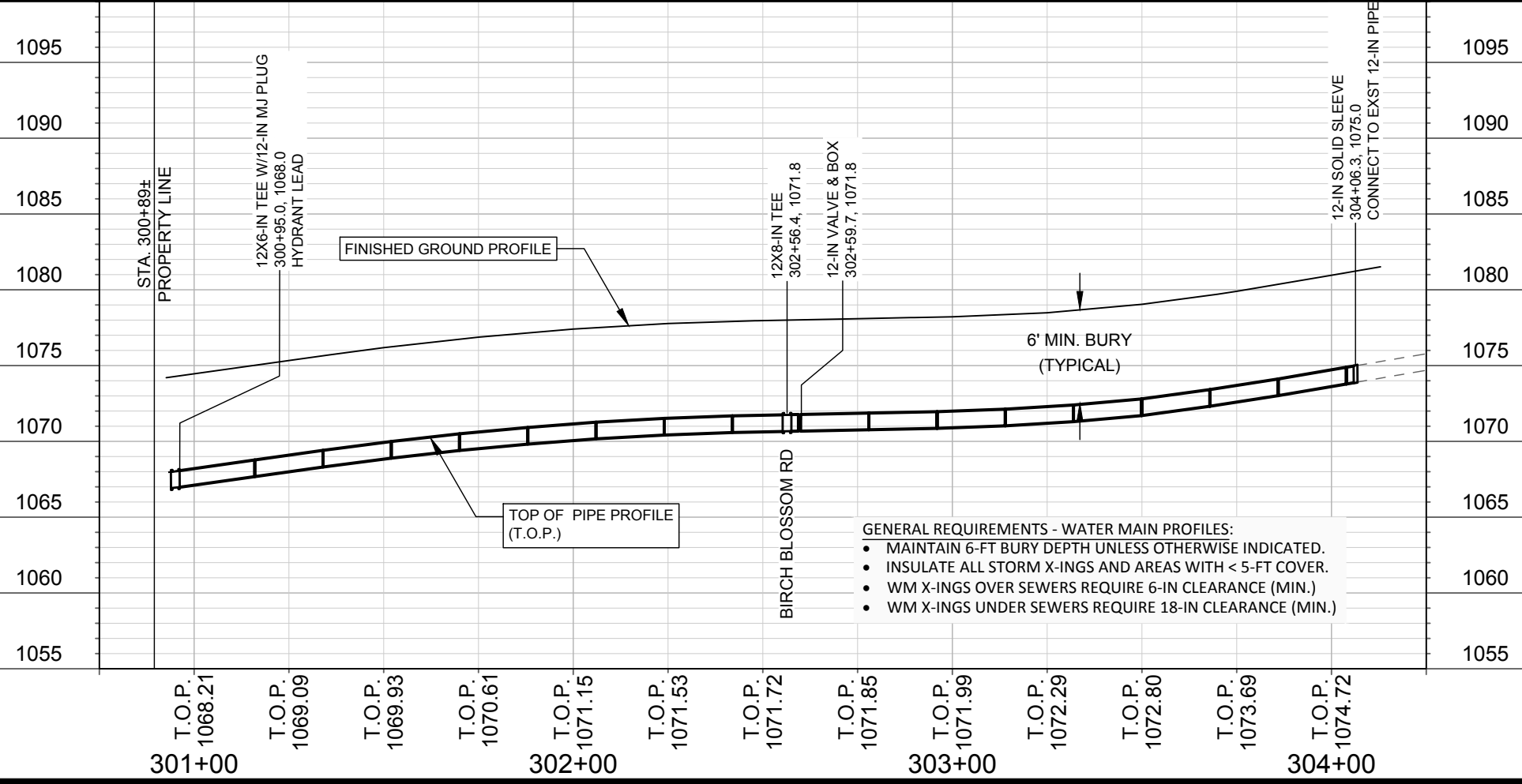
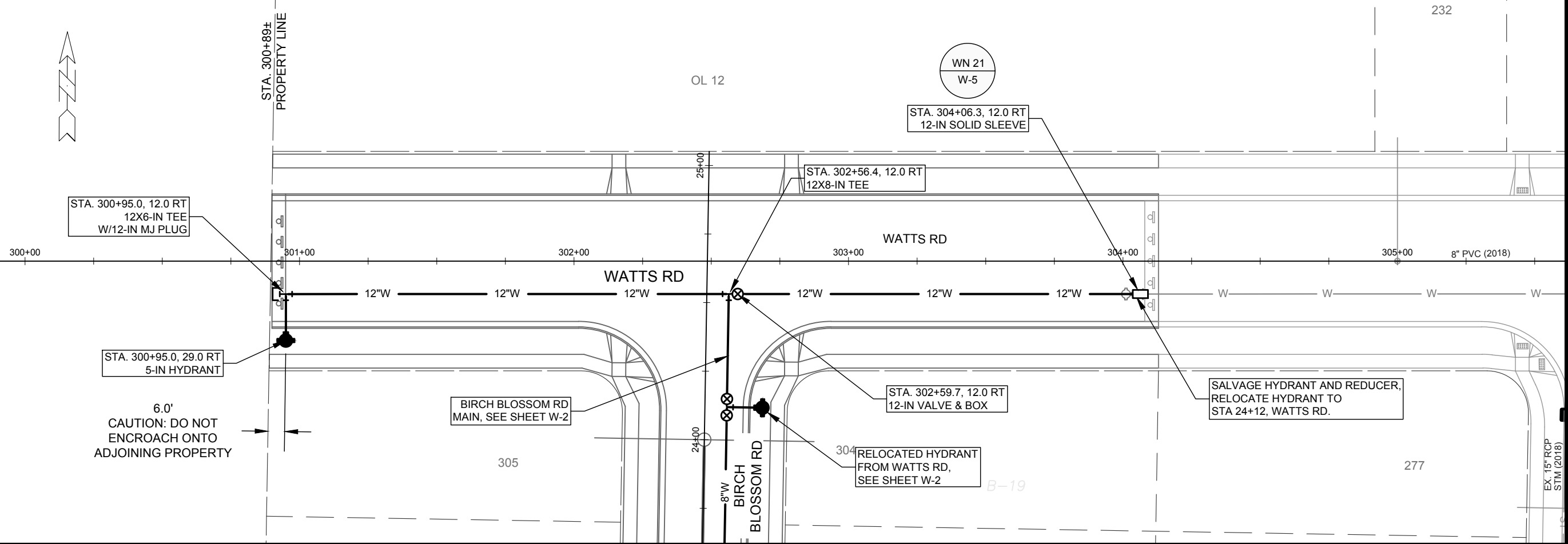
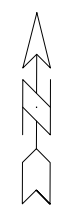
SCALE: 1" = 40'
 DESIGNED BY: DAR
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 5/25/21

CONTRACT NO: 8968

BIRCHWOOD POINT SOUTH - PHASE 4
 PLAN & PROFILE: QUIET LEAF DR
 CITY OF MADISON, WISCONSIN



13295
 W-3



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

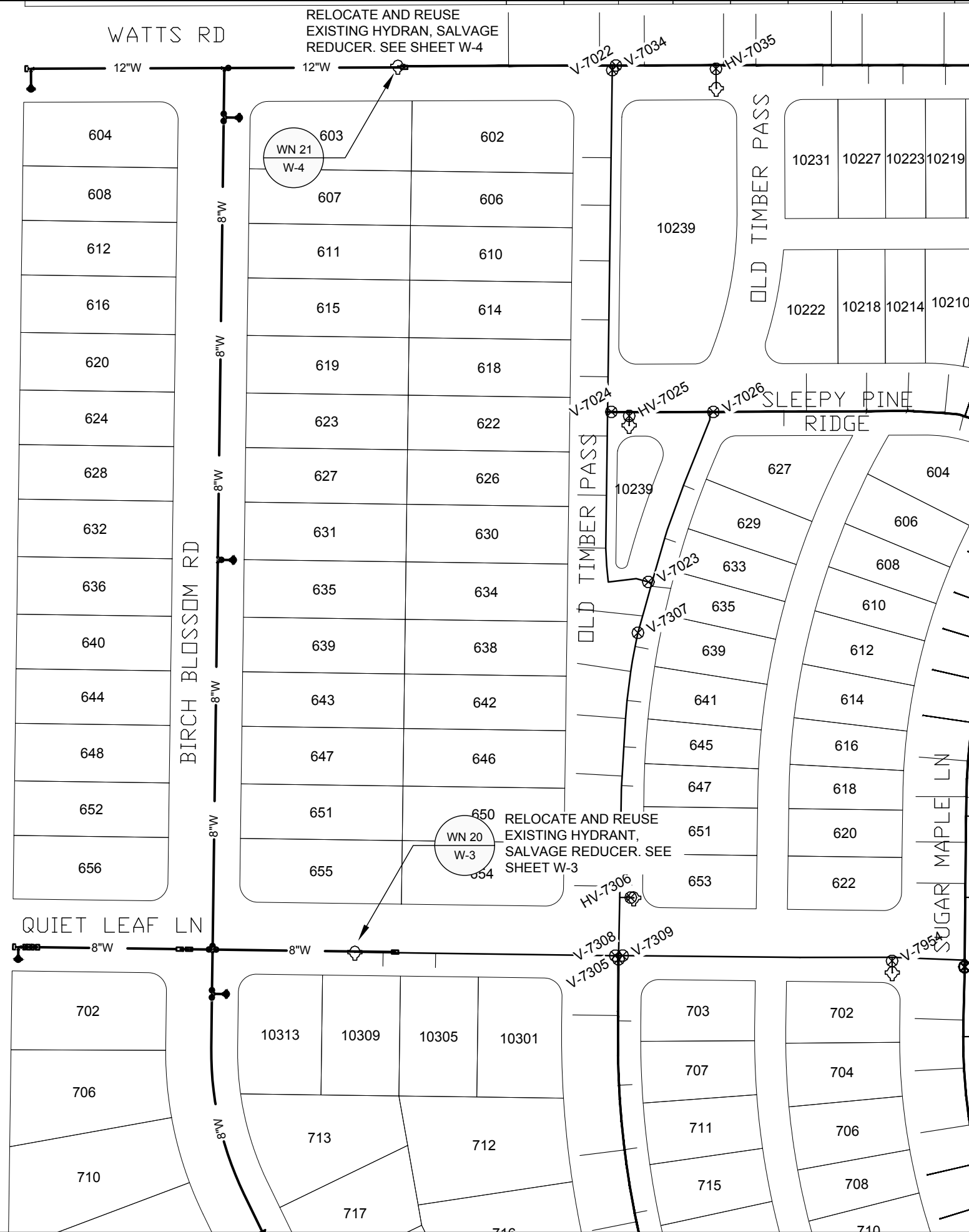
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 DESIGNED BY: DAR
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 5/25/21

CONTRACT NO: 8968

BIRCHWOOD POINT SOUTH - PHASE 4
 PLAN & PROFILE: WATTS RD
 CITY OF MADISON, WISCONSIN



13295
 W-4



DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

SCALE: 1"=100'
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MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 3/24/21

BIRCHWOOD POINT SOUTH - PHASE 4
WATER IMPACT PLAN
CITY OF MADISON, WISCONSIN
CONTRACT NO: 8968

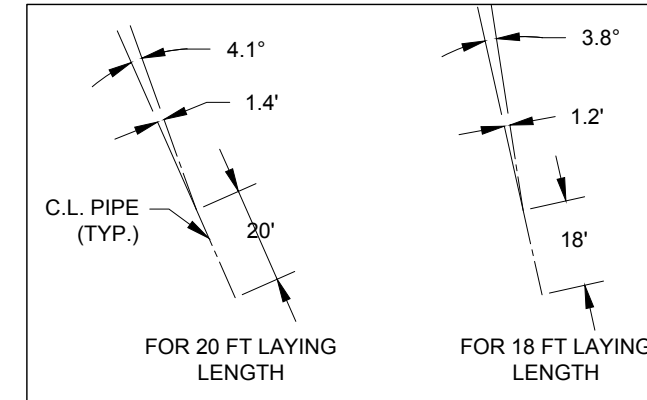


13295
W-5



CONSTRUCTION NOTES:

- | | |
|---|---|
| <ol style="list-style-type: none"> CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. CONTRACTOR IS RESPONSIBLE OR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK. | <p>WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|---|---|



DETAIL: TYPICAL PIPE DEFLECTION SHOWN ON SHEET W-1. THIS DETAIL SHOWN FOR INFORMATIONAL PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE WATER MAIN IS INSTALLED 8 FT RT OF C.L. OF BIRCH BLOSSOM RD

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

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	65	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	1280	LNFT
70005	FURNISH AND INSTALL 12-INCH PIPE & FITTINGS	310	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	1	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	7	EACH
70034	FURNISH AND INSTALL 12-INCH WATER VALVE	1	EACH
70040	FURNISH INSTALL AND SALVAGE HYDRANT	4	EACH
70041	RELOCATE HYDRANT	2	EACH
70050	FURNISH AND INSTALL 1-INCH SERVICE LATERALS	34	EACH
70101	FURNISH AND INSTALL STYROFOAM	48	LNFT
71014	8-IN MJ PLUG	1	EACH
71016	12-IN MJ PLUG	1	EACH
71041	8X8-IN CROSS	1	EACH
71123	8-IN 45° BEND	4	EACH
71159	8X6-IN REDUCER	1	EACH
71210	8X6-IN TEE	4	EACH
71217	12X6-IN TEE	1	EACH
71218	12X8-IN TEE	1	EACH
71340	8X12-IN OFFSET	2	EACH

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

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***ESTIMATE OF MATERIALS SALVAGED:**

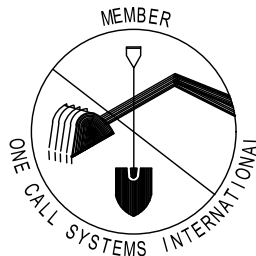
71159	8X6-IN REDUCER	1	EACH
71164	12X6-IN REDUCER	1	EACH
70041	HYDRANT (RELOCATE)	2	EACH

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

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

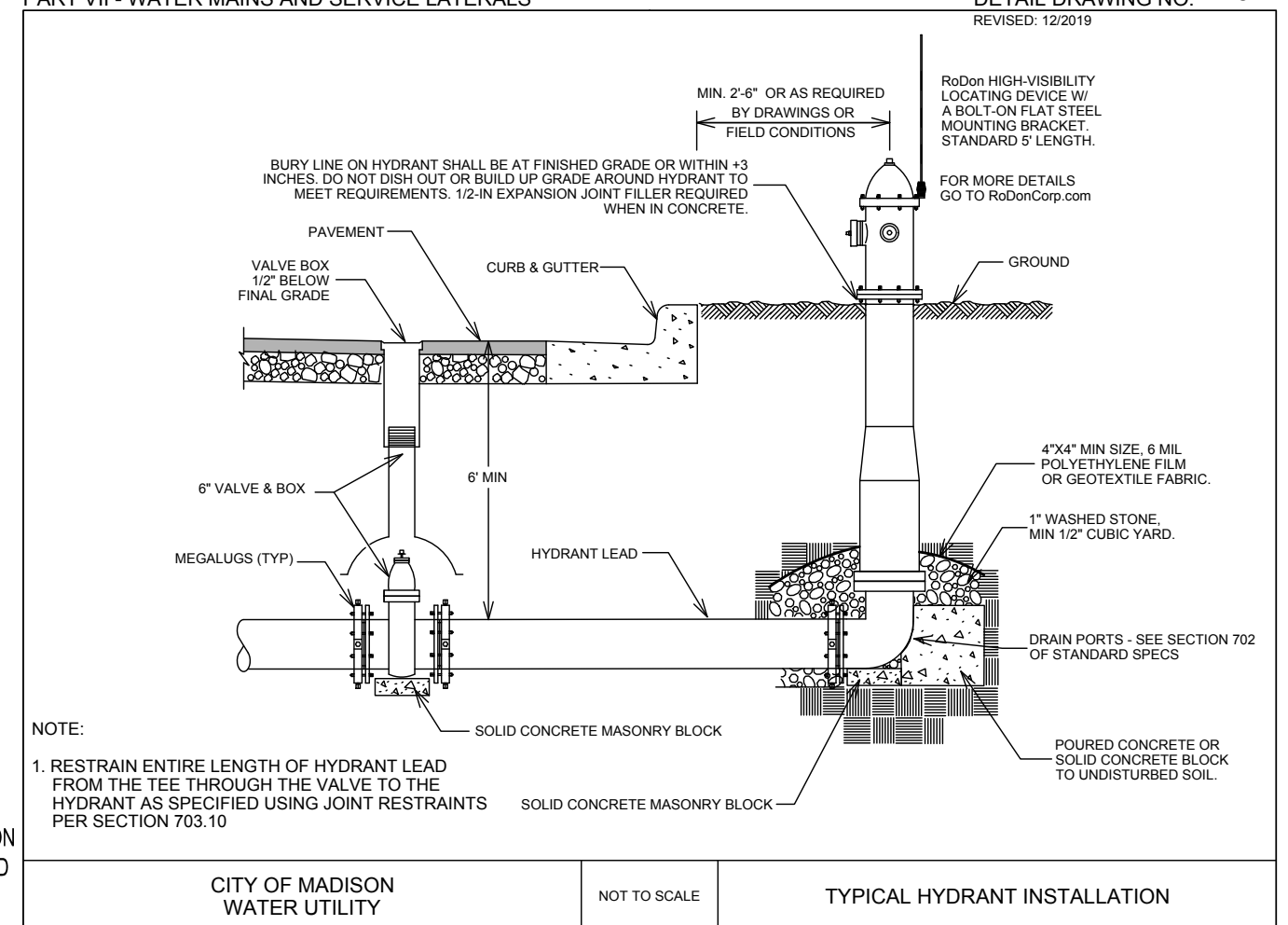


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2019



NOTE:

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

CITY OF MADISON
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

SCALE: #####

DESIGNED BY: FBEG
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/25/21

CONTRACT NO: 8968

BIRCHWOOD POINT SOUTH - PHASE 4

WATER ESTIMATE OF MATERIALS

CITY OF MADISON, WISCONSIN



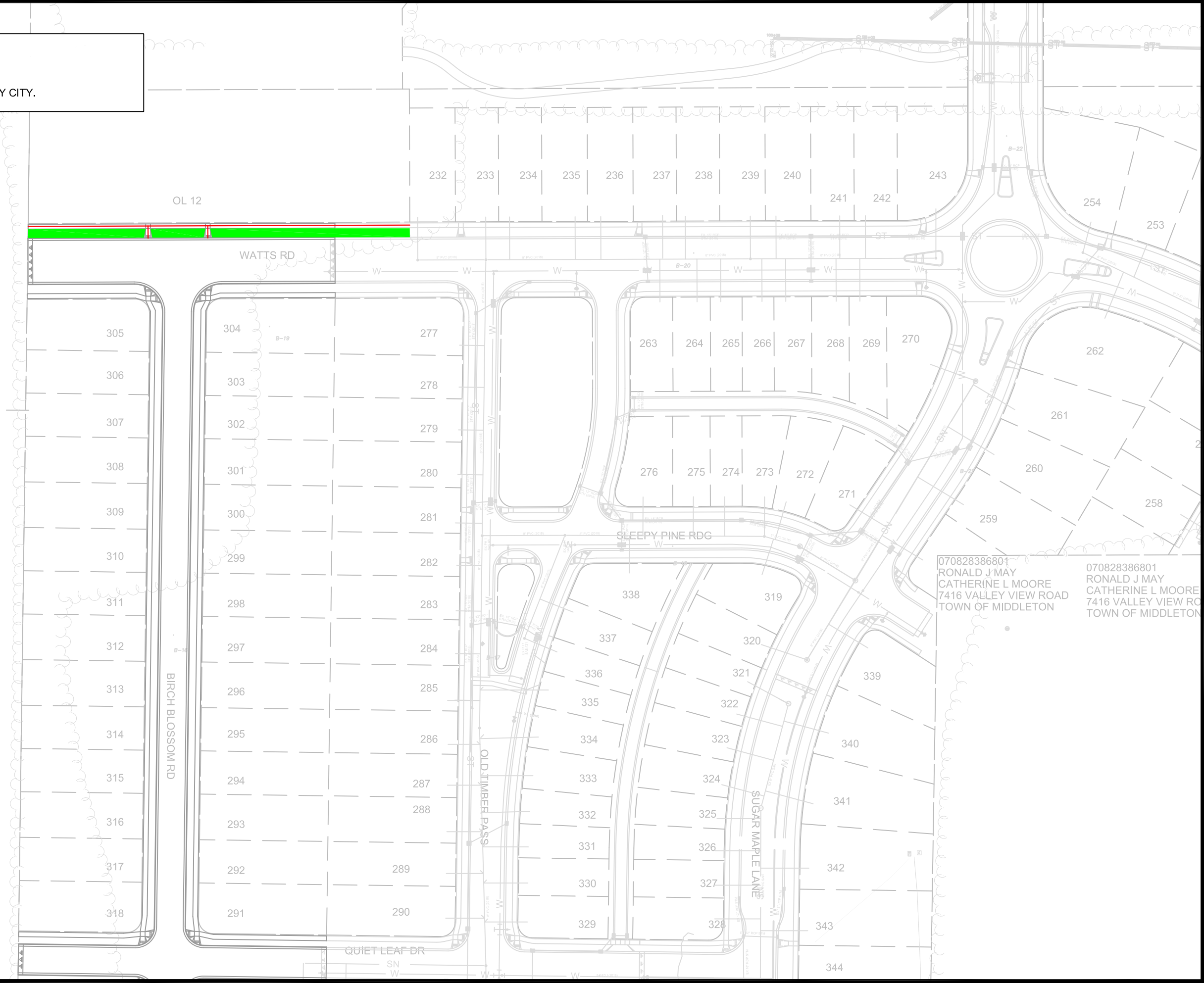
13295

W-6

MAINTENANCE LEGEND:

- = TERRACE REQUIRE MOWING BY CITY.
- = SIDEWALK REQUIRE SNOW REMOVAL BY CITY.

LANDS



070828386801
 RONALD J MAY
 CATHERINE L MOORE
 7416 VALLEY VIEW ROAD
 TOWN OF MIDDLETON

070828386801
 RONALD J MAY
 CATHERINE L MOORE
 7416 VALLEY VIEW ROAD
 TOWN OF MIDDLETON

MARK	REVISION	DATE	BY

Designed By: **FEBC** Date: **07/02/2021 8:11 AM**
 Scale: **MP-1**
 13295

13295
MADISON, WI
8968

CONTRACT NO:

MAINTENANCE PLAN
SOUTHERN ADD. TO BIRCHWOOD POINT - PHASE 4
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13295
MP-1












13295 - Plan Set


Final Audit Report


2021-05-26


Created:	2021-05-26
By:	ENG- Christy Bachmann (CBACHMANN@CITYOFMADISON.COM)
Status:	Signed
Transaction ID:	CBJCHBCAABAA37V8Yi17kKEZjHWI1xI6UEuZOhKDdJ46


"13295 - Plan Set" History


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