

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS

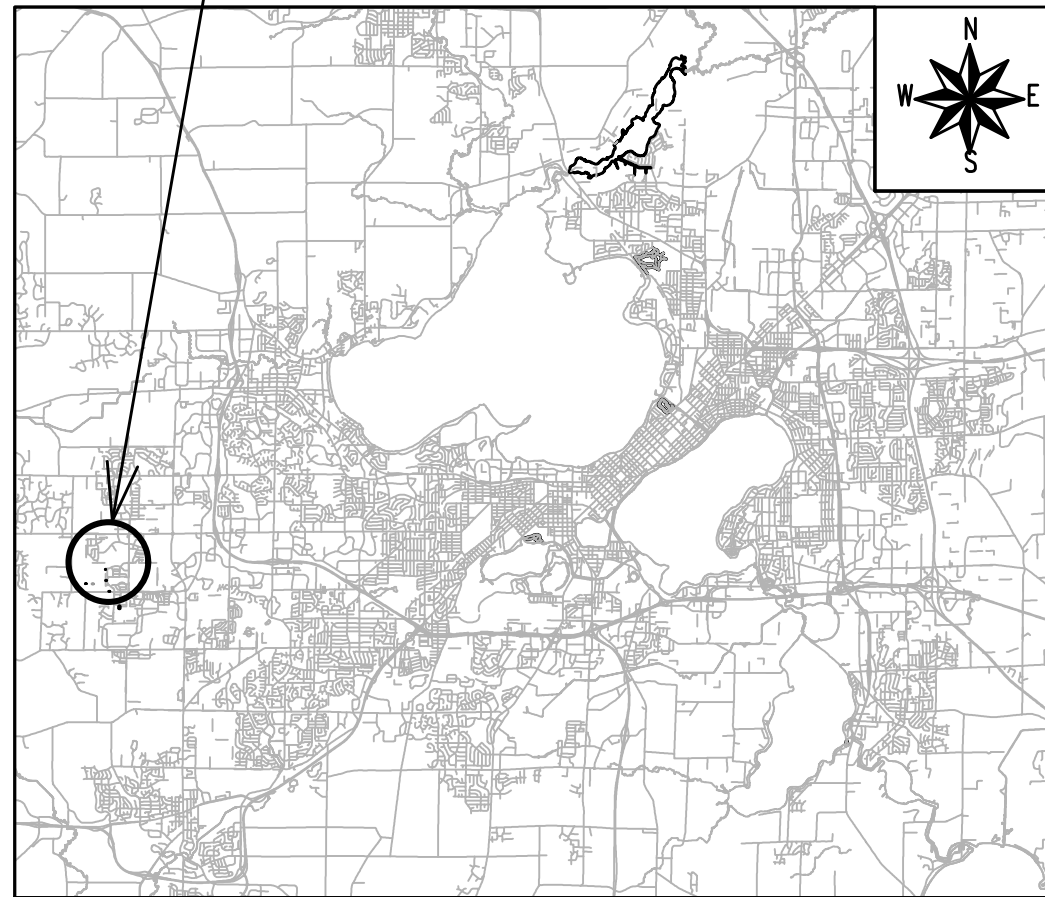
SHEET NO.	TITLE
1	
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D2-D3	TYPICAL SECTIONS
O1	OVERVIEW PLAN
P1-P7	PLAN & PROFILES
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U-SAN	SANITARY SEWER SCHEDULE
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PBM-1	PROP. BOUNDARY MARKERS PLAN
MN-1	MAINTENANCE PLAN

REVISED BY EEA 8/17/2023

CITY PROJECT NO. 14343
CONTRACT NO. 9217

SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6

PROJECT LOCATION



PHASE LIMITS



PUBLIC IMPROVEMENT PROJECT
APPROVED

APPROVED DATE: DECEMBER 6, 2022

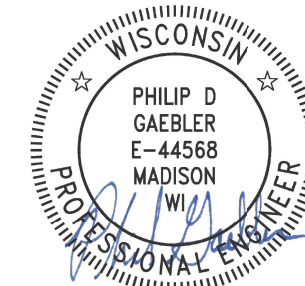
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

 Apr 12, 2023

City Engineer Date

PARK GRADING
DESIGNED BY:



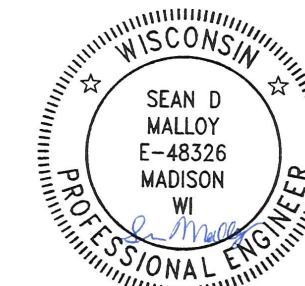
Apr 12, 2023

STREET
DESIGNED BY:



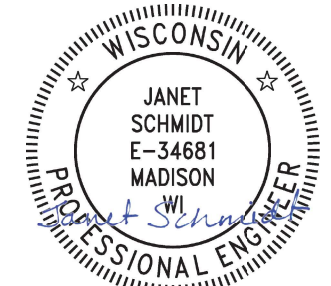
Apr 12, 2023

STREET GEOMETRY
DESIGNED BY:



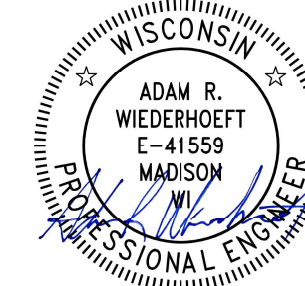
Apr 12, 2023

STORM SEWER
DESIGNED BY:



Apr 13, 2023

WATER
DESIGNED BY:



Apr 12, 2023

SANITARY SEWER
DESIGNED BY:



Apr 12, 2023

PLOT SCALE: 1 IN=1 FT_XREF

PLOT NAME: STREETS-A-C

REV. DATE: 4/5/2023 8:53 AM




ORIGINATOR: CITY_OF_MADISON

ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.

AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm)

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

CONTACT PROJECT ENGINEER AND STREET DESIGNER EMMA ALMY AT EALMY@CITYOFMADISON.COM FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

CONVENTIONAL SIGNS	
<i>FIELD VERIFY ALL UTILITY LOCATIONS</i>	
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 BARN SWALLOW CIRCLE AND AMBER NEST ROAD RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

UNDERDRAINS SHALL BE INSTALLED PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT 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.

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.

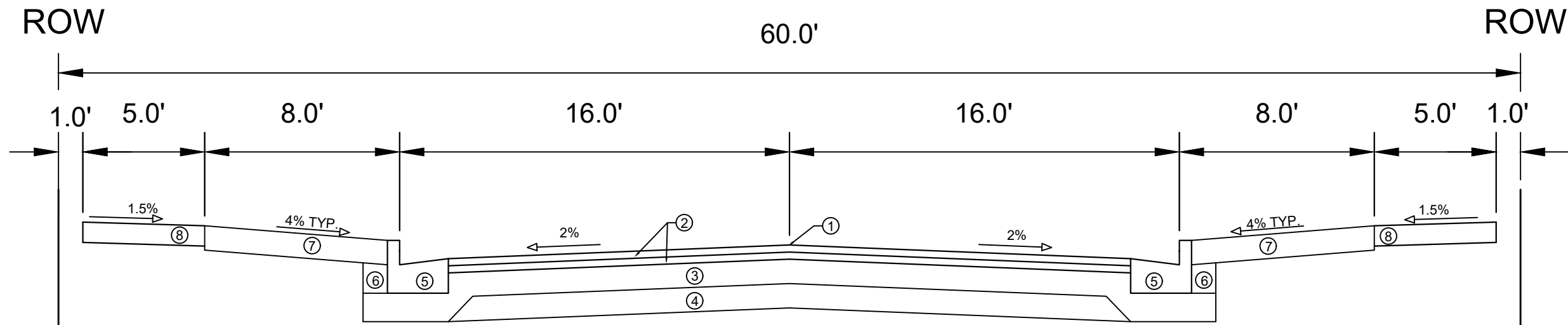
THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

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

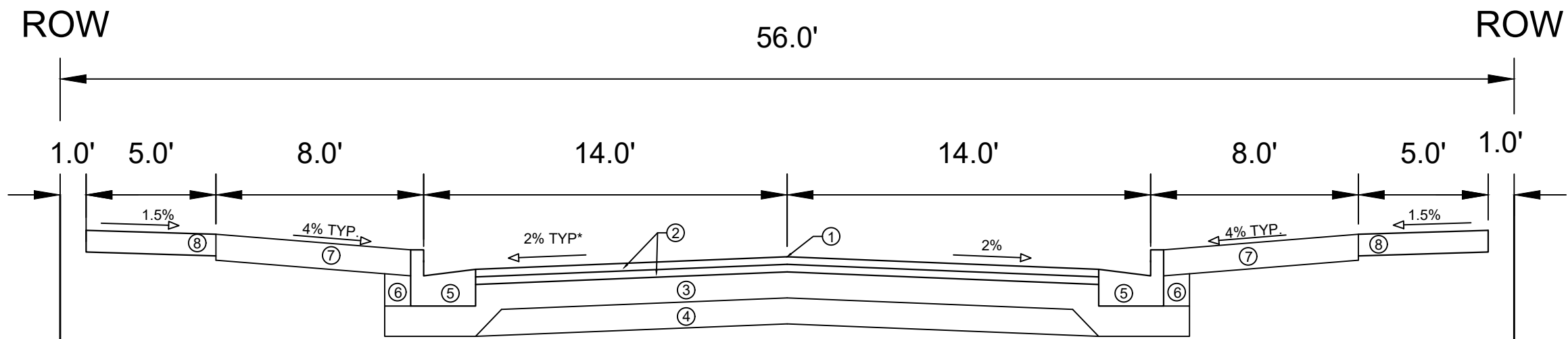
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO S.D.D 3.05.

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 LATEST EDITION.

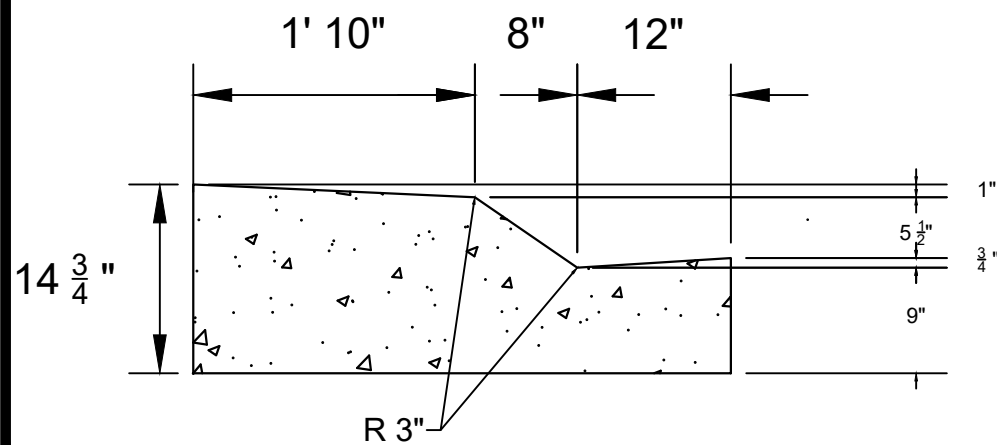
14343	MADISON, WI	9217	14343	D-1
STANDARD NOTES		CONTRACT NO:	14343	D-1
SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6				
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14343				
D-1				



TYPICAL SECTION
BARN SWALLOW CIRCLE



TYPICAL SECTION
AMBER NEST ROAD



DETAIL 1 - CULDESAC TRAFFIC CIRCLE
MOUNTABLE CONCRETE CURB & GUTTER

SPECIAL NOTES:

* SEE X-SHEETS FOR CROSS SLOPES

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

14343	MADISON, WI	9217	14343	D - 2
SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6				
CONTRACT NO:				
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14343				
D-2				

PHASE BOUNDARY

AMBER NEST ROAD

BARN SWALLOW CIRCLE

PARK SWALE

PATH

OUTLOT 18
DEDICATED TO THE
PUBLIC FOR PARK
PURPOSES

PUBLIC
STORM SEWER AND
SANITARY SEWER
EASEMENT

O.L. 30

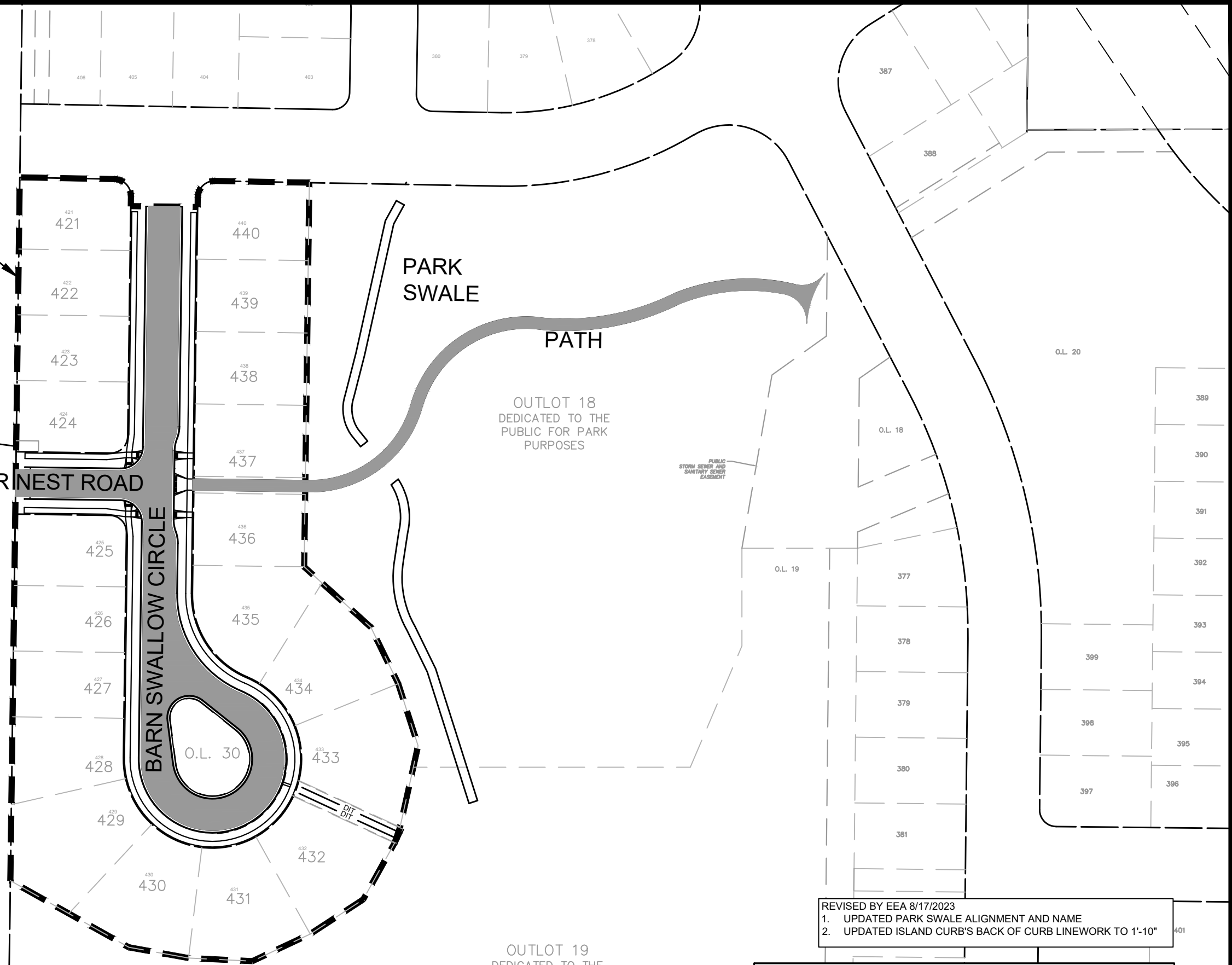
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DIT

OUTLOT 19
DEDICATED TO THE
PUBLIC FOR STORMWATER
MANAGEMENT AND
DRAINAGE PURPOSES

REVISED BY EEA 8/17/2023
1. UPDATED PARK SWALE ALIGNMENT AND NAME
2. UPDATED ISLAND CURB'S BACK OF CURB LINEWORK TO 1'-10"

LEGEND

 SURFACE PAVING BY DEVELOPER
PER CONTRACT 9218



MARK	REVISION	DATE	BY
14343	Designed By: EEA	Date: 2/8/2023 3:40 PM	Scale: O-1

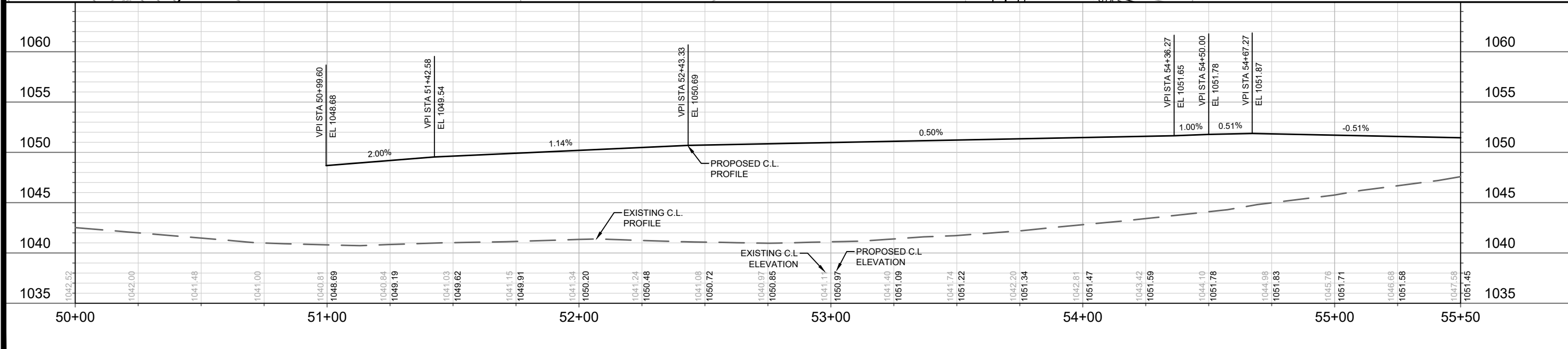
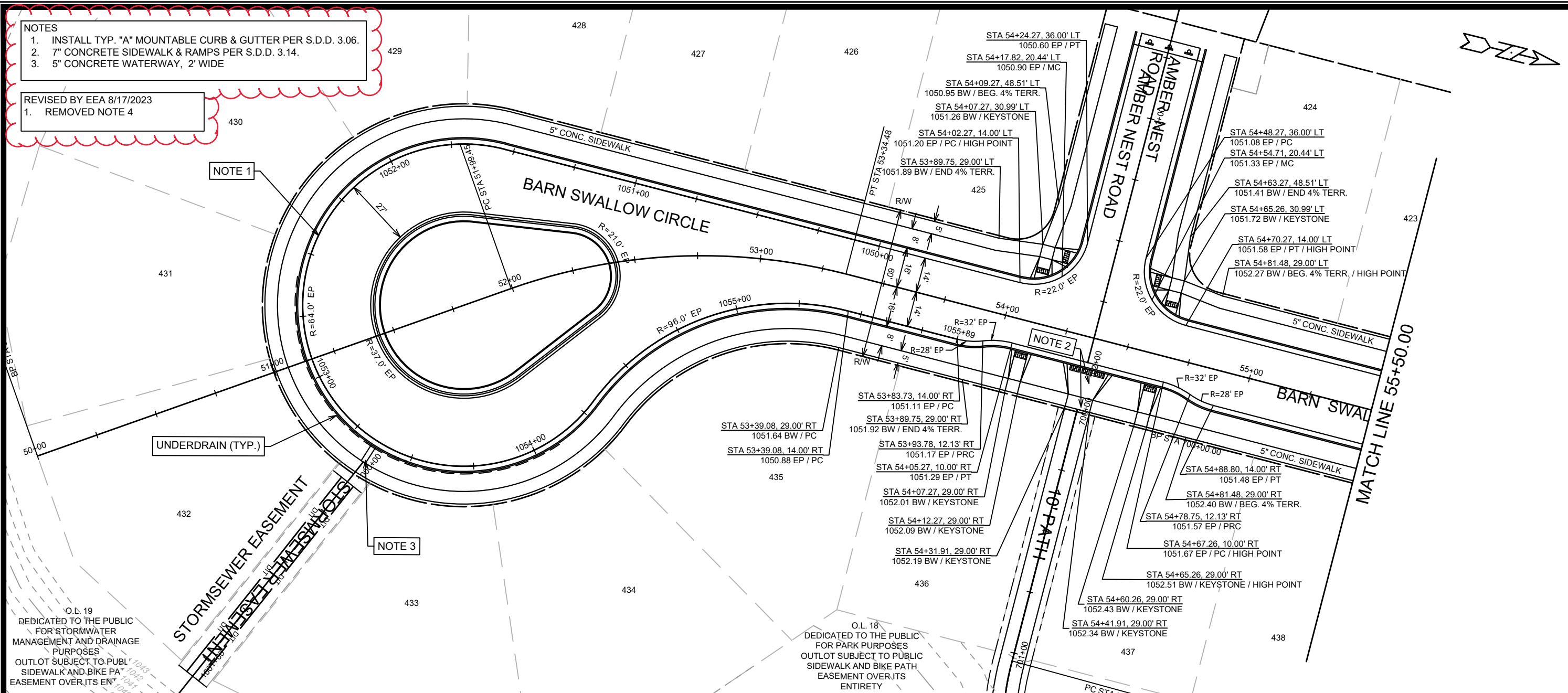
14343
MADISON, WI
SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6
CONTRACT NO: 9217
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14343
O-1

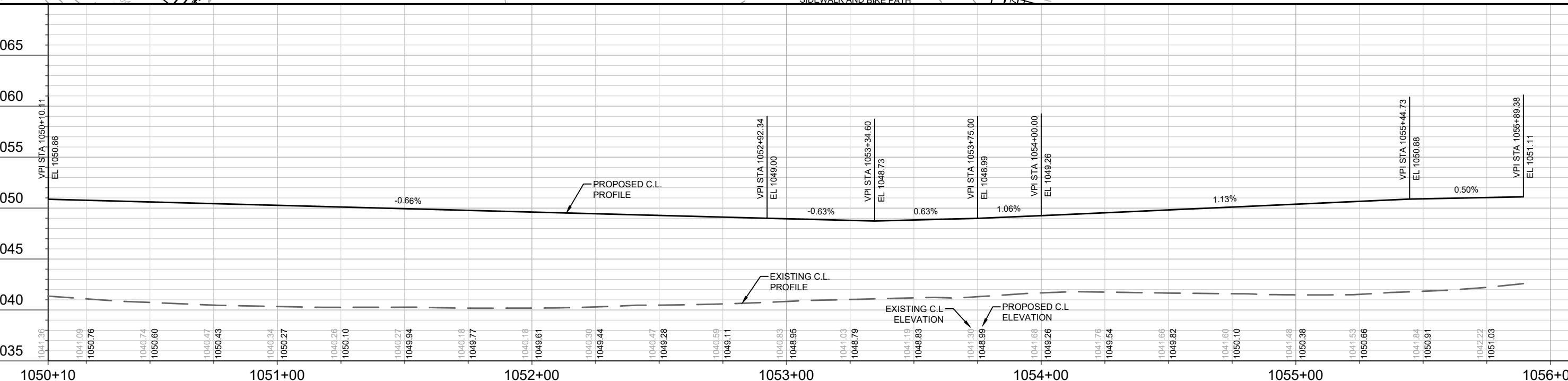
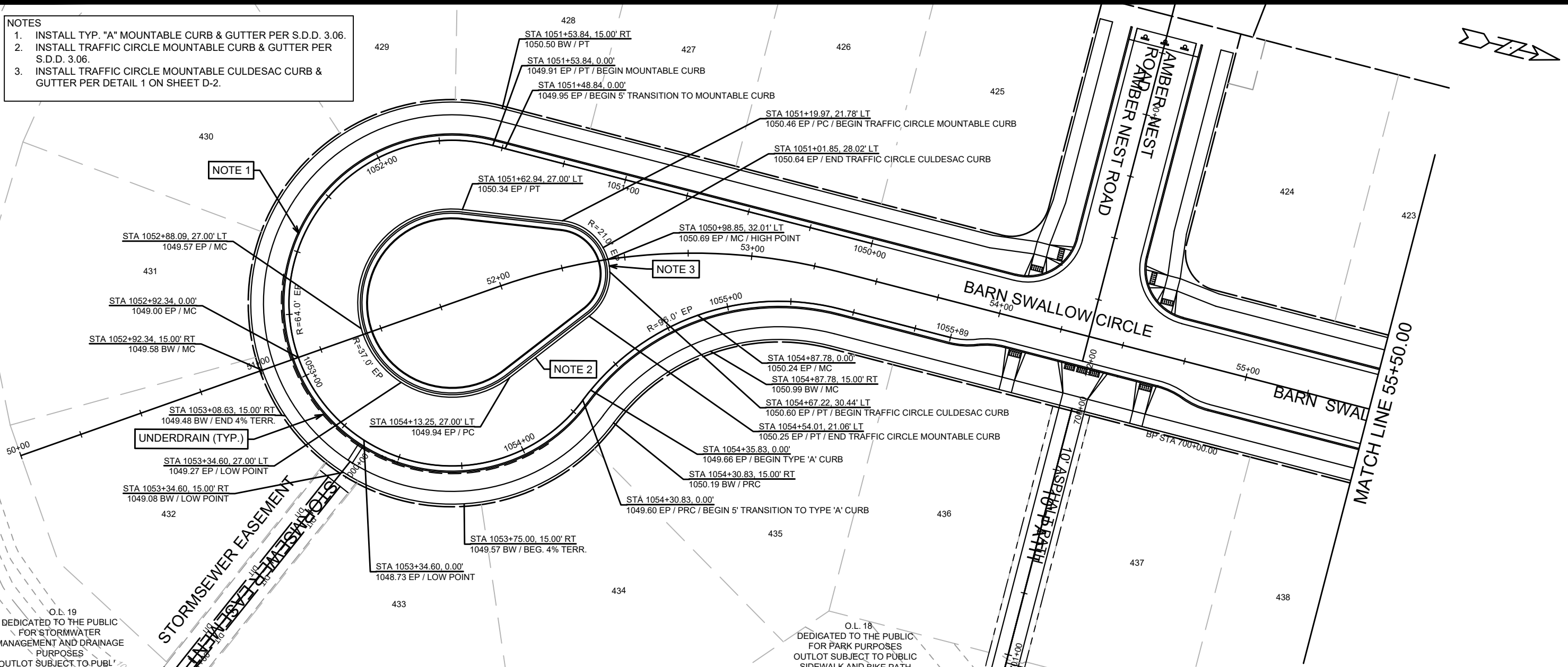
- NOTES**
1. INSTALL TYP. "A" MOUNTABLE CURB & GUTTER PER S.D.D. 3.06.
 2. 7" CONCRETE SIDEWALK & RAMPS PER S.D.D. 3.14.
 3. 5" CONCRETE WATERWAY, 2' WIDE

REVISED BY EEA 8/17/2023
1. REMOVED NOTE 4



14343	14343	9217	P-1A
MADISON, WI	CONTRACT NO.:	14343	14343
SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6	DESIGNED BY:	EA	11/17/2022 1:34 PM
PLAN & PROFILE - BARN SWALLOW CIRCLE	DATE:	11/17/2022	1:34 PM
CITY OF MADISON WISCONSIN	BY:	EA	EA
14343	MARK:	EA	EA
P-1A	REVISION:	EA	EA

- NOTES
1. INSTALL TYP. "A" MOUNTABLE CURB & GUTTER PER S.D.D. 3.06.
 2. INSTALL TRAFFIC CIRCLE MOUNTABLE CURB & GUTTER PER S.D.D. 3.06.
 3. INSTALL TRAFFIC CIRCLE MOUNTABLE CULDESAC CURB & GUTTER PER DETAIL 1 ON SHEET D-2.



MARK	REVISION	DATE	BY
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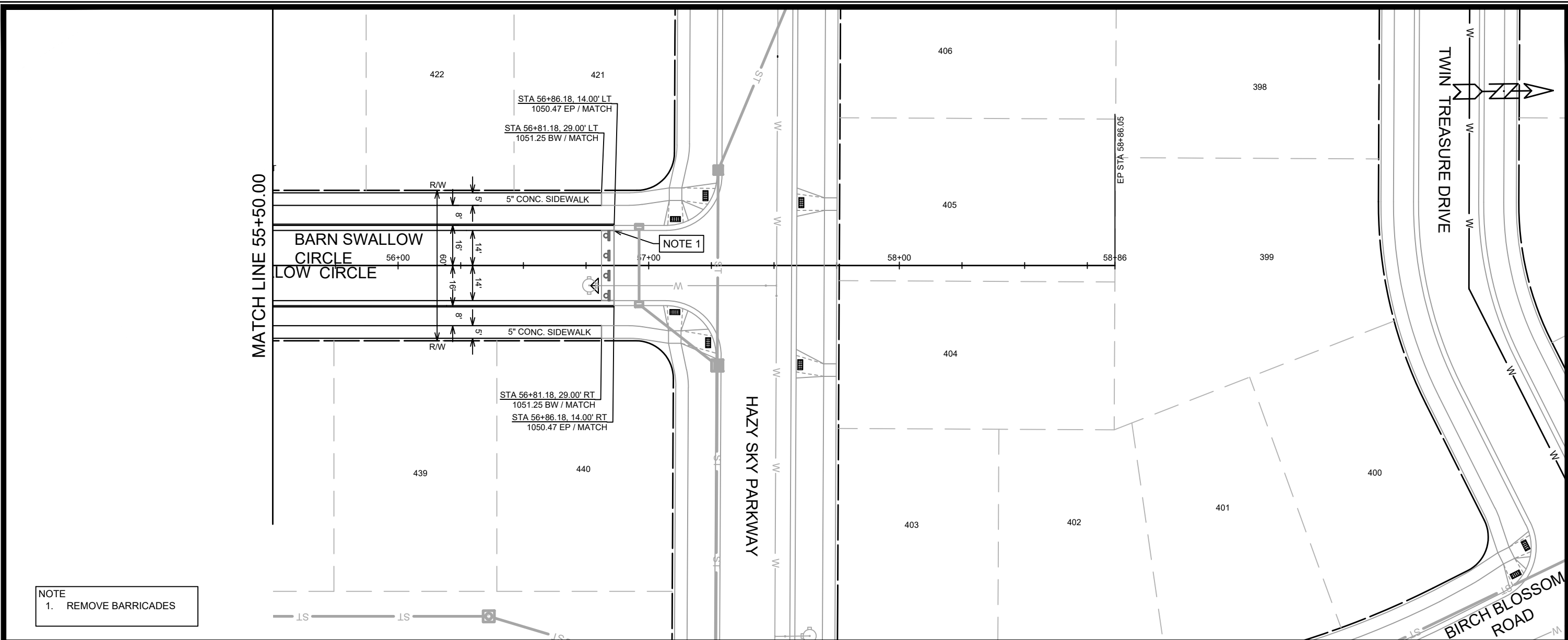
14343
 MADISON, WI
 CONTRACT NO: 9217

PLAN & PROFILE - BARN SWALLOW CIRCLE CULDESAC
 SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6

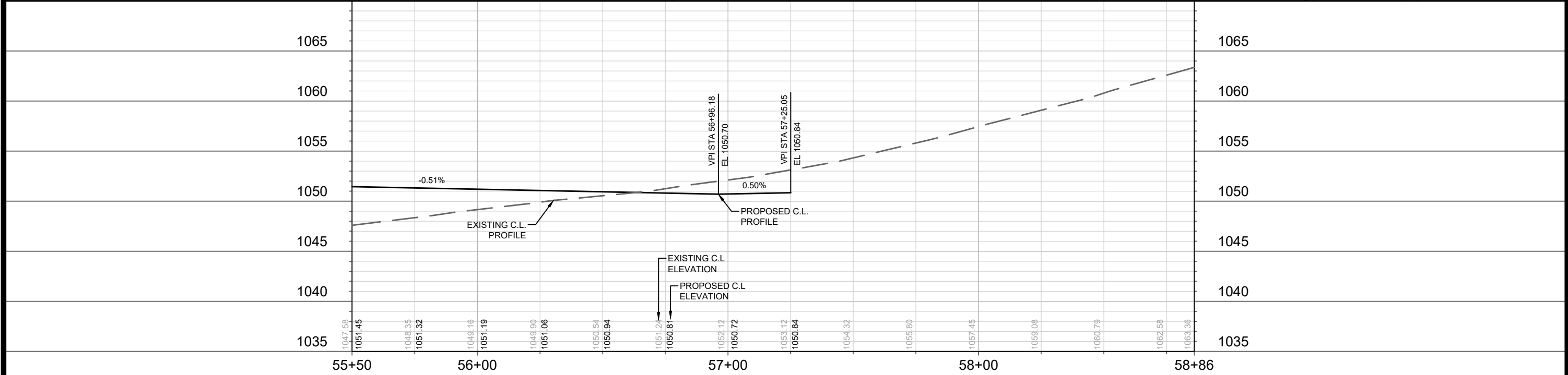
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14343
 P-1B



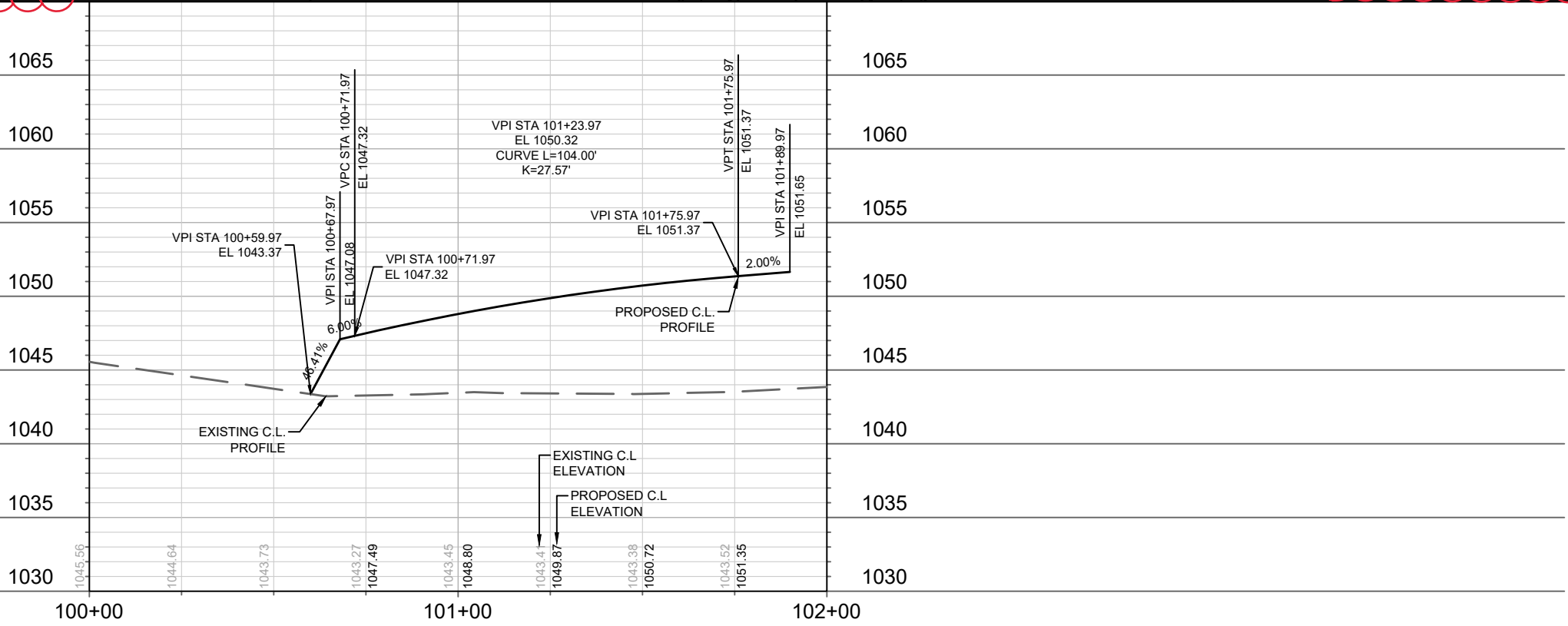
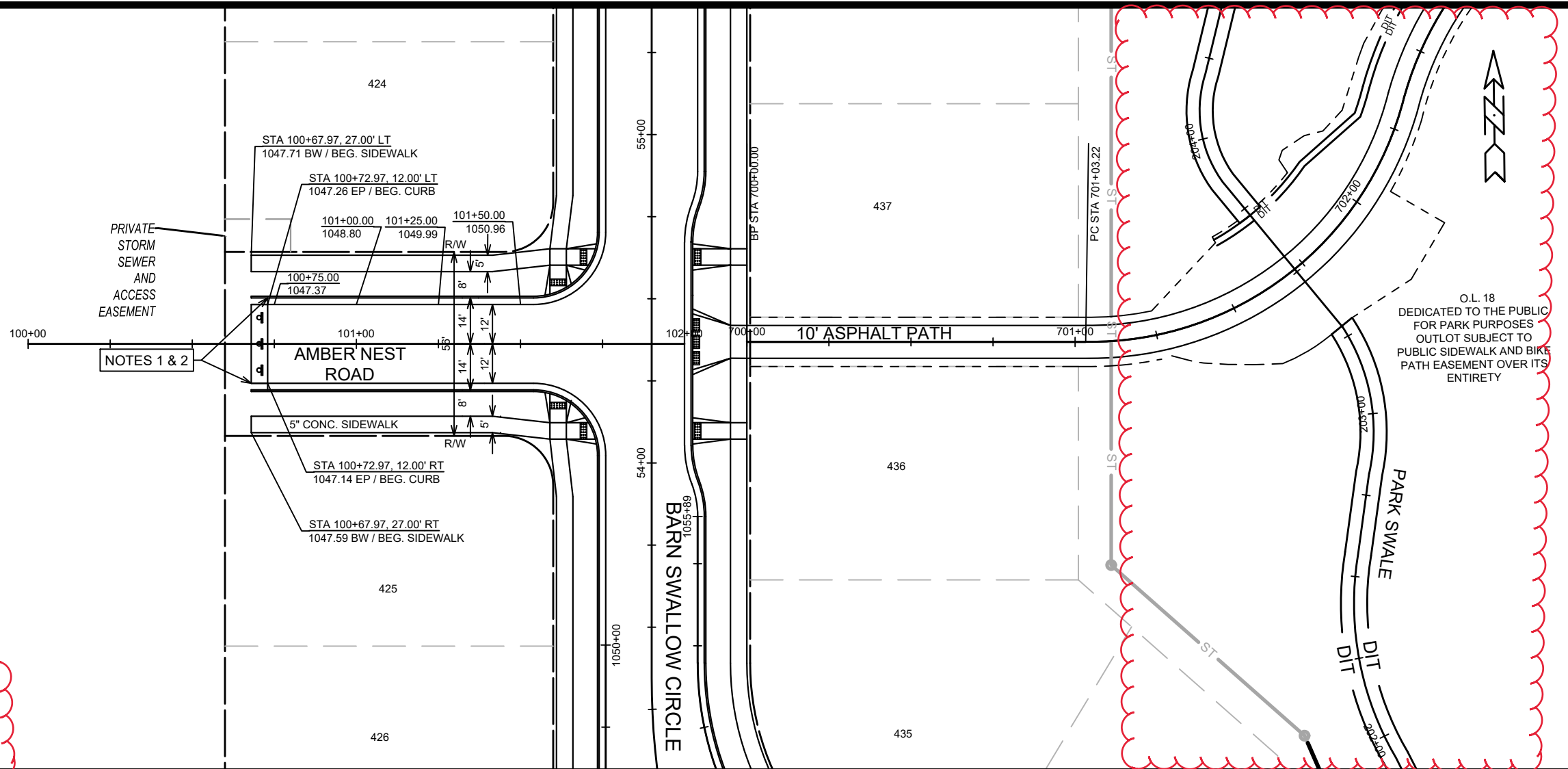
NOTE
1. REMOVE BARRICADES



 14343 P-2	PLAN & PROFILE - BARN SWALLOW CIRCLE SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6	14343 MADISON, WI 9217 CONTRACT NO:
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- REVISED BY EEA 8/17/2023
1. REMOVED NOTE 3
 2. ADDED PARK SWALE LABEL
 3. UPDATED PARK SWALE ALIGNMENT
 4. UPDATED 10' ASPHALT PATH DITCH AND SLOPE INTERCEPT

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



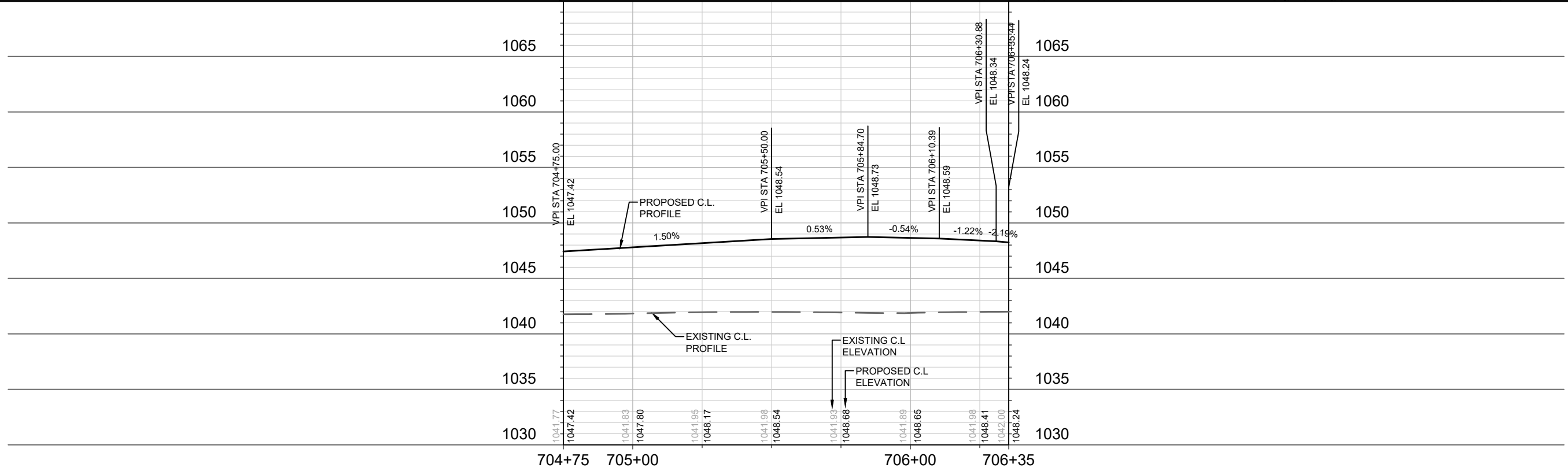
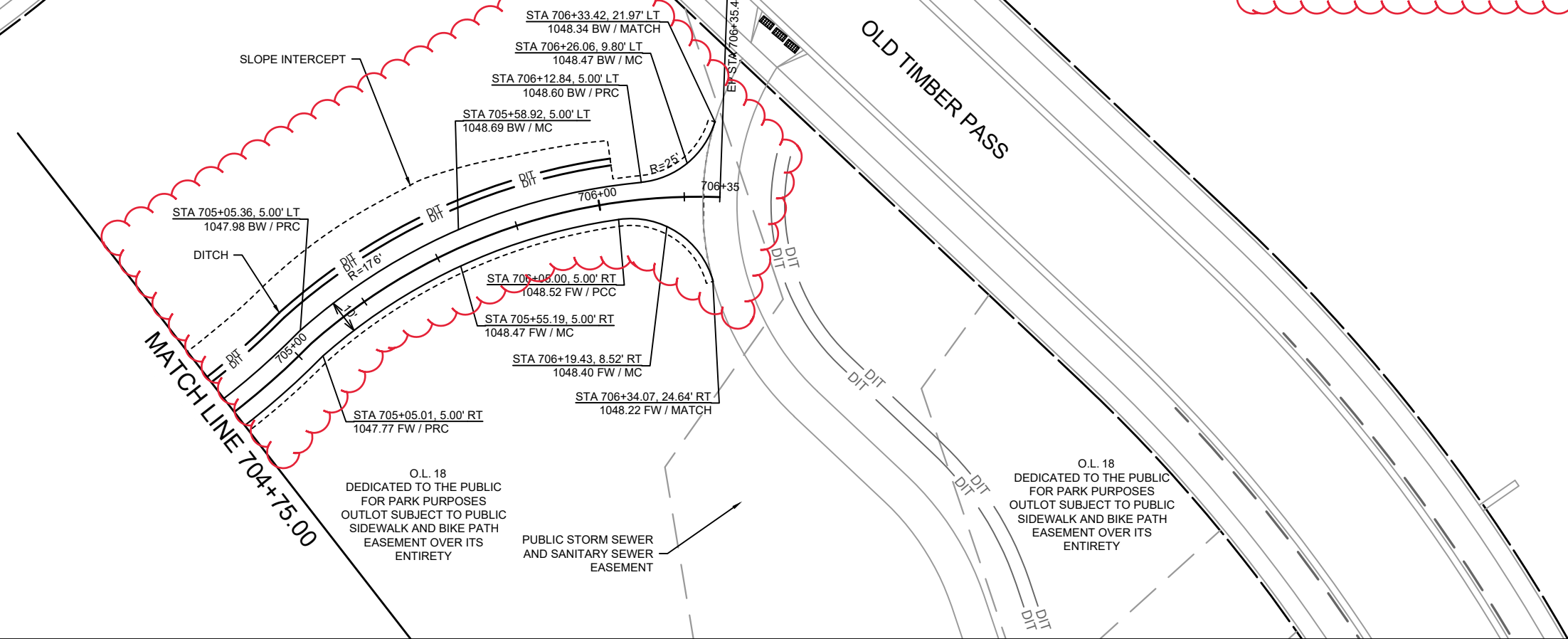
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Scale: #####
 Date: 11/7/2022 1:35 PM
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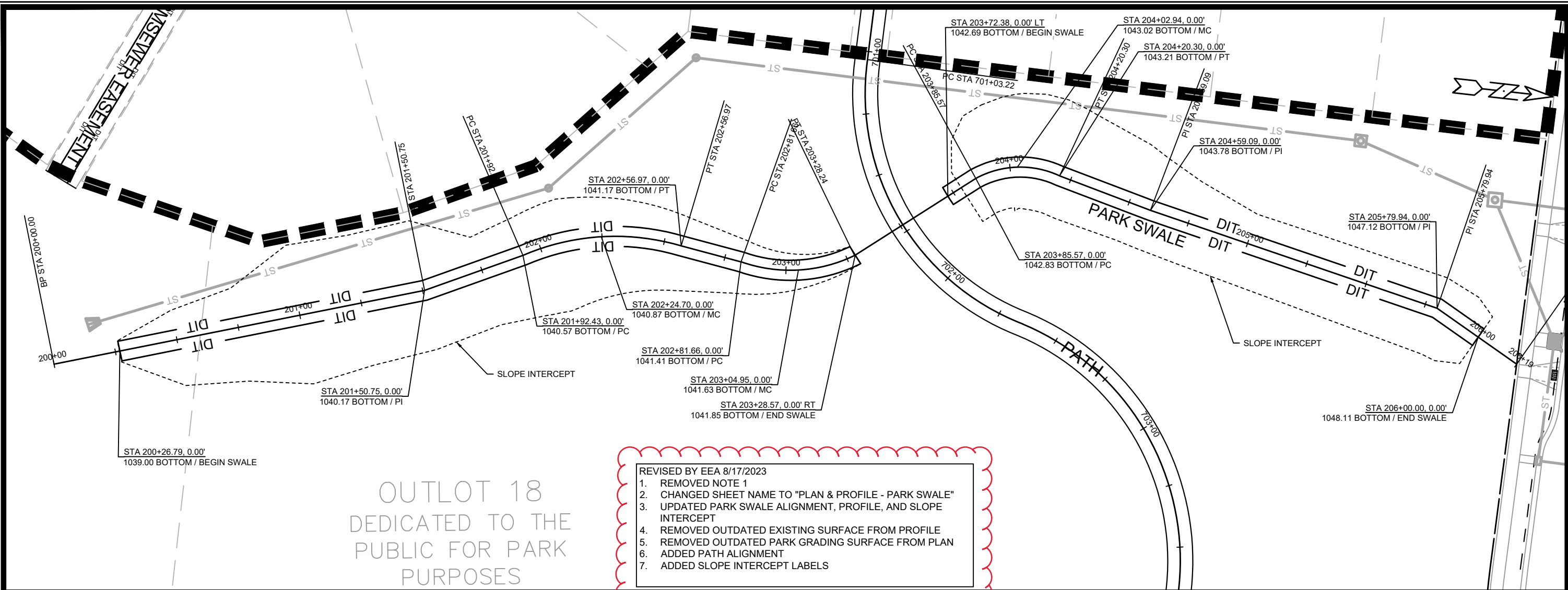
14343
 MADISON, WI
 SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6
 CONTRACT NO: 9217

HAZY SKY
PARKWAY

REVISED BY EEA 8/17/2023
 1. REMOVED NOTE 1
 2. UPDATED 10' ASPHALT PATH DITCH AND SLOPE INTERCEPT
 3. ADDED SLOPE INTERCEPT AND DITCH LABELS

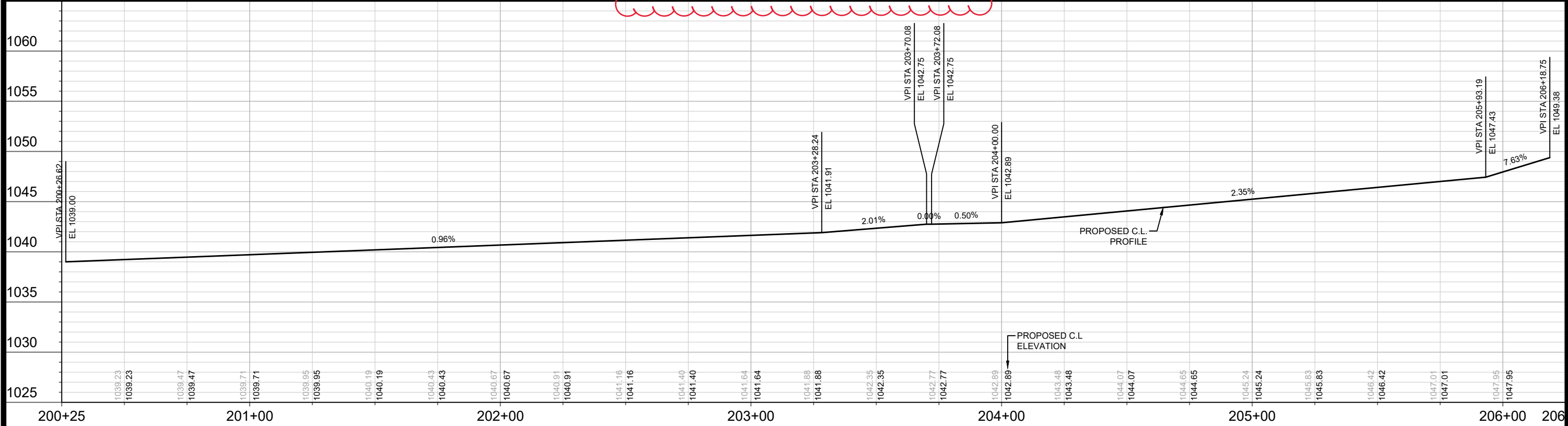


14343	MADISON, WI	9217	P-5
PLAN & PROFILE - BIKE PATH		CONTRACT NO.:	
SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6		14343	
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14343		P-5	



OUTLOT 18
DEDICATED TO THE
PUBLIC FOR PARK
PURPOSES

REVISED BY EEA 8/17/2023
 1. REMOVED NOTE 1
 2. CHANGED SHEET NAME TO "PLAN & PROFILE - PARK SWALE"
 3. UPDATED PARK SWALE ALIGNMENT, PROFILE, AND SLOPE INTERCEPT
 4. REMOVED OUTDATED EXISTING SURFACE FROM PROFILE
 5. REMOVED OUTDATED PARK GRADING SURFACE FROM PLAN
 6. ADDED PATH ALIGNMENT
 7. ADDED SLOPE INTERCEPT LABELS

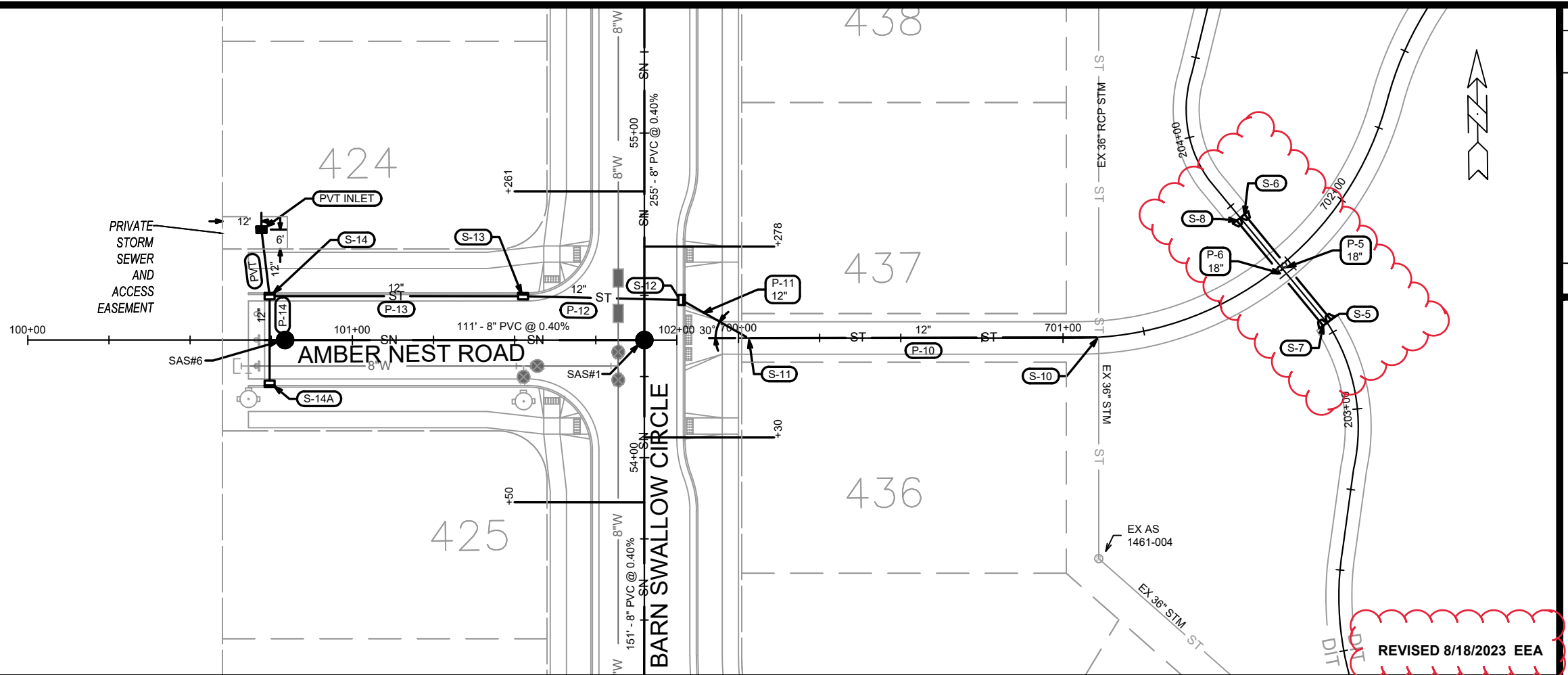


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14343
MADISON, WI
9217
CONTRACT NO:

PLAN & PROFILE - PARK SWALE
SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6
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REVISED 8/18/2023 EEA

1070

1065

1060

1055

1050

1045

1040

1035

1030

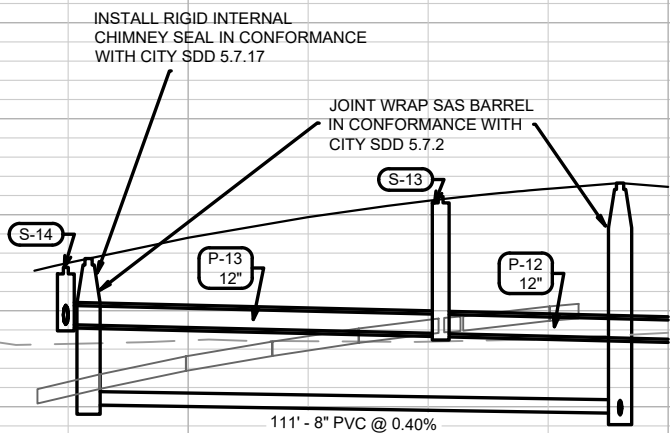
1025

100+00

101+00

102+00

103+00 103+20



SAS#6
 STA 100+79.25, -0.00'
 RIM = 1047.72
 EI(E) = 1040.11 (8")
 EI(W) = 1040.21 (8") - STUB

SAS#1
 STA 54+36.26, LT-0.00'
 RIM = 1051.65
 EI(S) = 1039.67 (8")
 EI(W) = 1039.67 (8")
 EI(N) = 1039.57 (8")

1055

1050

1045

1040

1035

699+50

700+00

701+00

701+50

1055

1050

1045

1040

1035

DATE	BY
REVISION	
DESIGNED BY: EEA	DATE: 8/18/2023 6:54 AM
SCALE: 1"=40'	
MARK	14343
CONTRACT NO:	9217
PROJECT NO:	14343
U-3	

14343
 CITY OF MADISON
 CONTRACT NO: 9217
 AMBER NEST ROAD - UTILITIES PLAN & PROFILE
 SOUTHERN ADDITION TO BIRCHWOOD POINT PHASE 6
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14343
 U-3

SANITARY SEWER SCHEDULE

SOUTHERN ADDITION TO BIRCHWOOD POINT PH 6 PROJECT NO. 14343	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
<u>BARN SWALLOW CIRCLE</u>						
SAS#1	54+36.26	CL	1051.65	1039.57	12.08	(1)
SAS#2	52+86.03	LT-5.34	1050.80	1040.27	10.53	-
SAS#3	51+68.12	LT-56.11	1049.70	1040.91	8.79	(2)
SAS#4	51+24.03	RT-12.46	1049.05	1041.34	7.71	(2)
SAS#5	51+69.75	RT-44.84	1049.39	1040.85	8.54	(2)
<u>AMBER NEST ROAD</u>						
SAS#6	100+79.25	CL	1047.72	1040.11	7.61	(1), (2)

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
<u>BARN SWALLOW CIRCLE</u>								
1460-027	SAS#1	1038.55	1039.57	255	0.40%	8"	SDR-35	-
SAS#1	SAS#2	1039.67	1040.27	151	0.40%	8"	SDR-35	-
SAS#2	SAS#3	1040.37	1040.91	136	0.40%	8"	SDR-35	-
SAS#3	SAS#4	1041.01	1041.34	82	0.40%	8"	SDR-35	-
SAS#2	SAS#5	1040.37	1040.85	121	0.40%	8"	SDR-35	-
<u>AMBER NEST ROAD</u>								
SAS#1	SAS#6	1039.67	1040.11	111	0.40%	8"	SDR-35	-

SANITARY STRUCTURE REMOVALS

STRUC. NO.	STATION	LOCATION (OFFSET)	NOTES
<u>BARN SWALLOW CIRCLE</u>			
1460-027	56+89.05	CL	-

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.

- (1) JOINT WRAP SAS BARREL IN CONFORMANCE WITH CITY SDD 5.7.2
- (2) INSTALL RIGID INTERNAL CHIMNEY SEAL IN CONFORMANCE WITH CITY SDD 5.7.17

STORM SEWER SCHEDULE

* REVISED 8/18/2023 EEA

SOUTHERN ADDITION TO BIRCHWOOD POINT PHASE 6	SHEET NO.
PROJECT NO. 14343	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
STORM EASEMENT							
S-1	1001+49.86	CL	12" RCP APRON END	-	1037.50	-	W/ GATE
BARN SWALLOW CIRCLE							
S-2	51+27.86	RT-40.16	H INLET	1048.94	1045.34	3.60	LP; W/ R-3067-7004-VB
S-3	51+30.76	RT-43.70	H INLET	1048.97	1045.37	3.60	W/ R-3067-7004-V
S-4	51+24.88	RT-36.03	H INLET	1048.97	1045.47	3.50	W/ R-3067-7004-V
S-12	54+48.60	RT-11.50	H INLET	1051.80	1043.51	8.29	W/ R-3067-7004-V
BIKE PATH							
* S-5	701+73.40	RT-22.69	18" RCP APRON END	-	1041.85	-	-
* S-6	701+73.95	LT-19.30	18" RCP APRON END	-	1042.70	-	-
* S-7	701+70.96	RT-22.59	18" RCP APRON END	-	1041.85	-	-
* S-8	701+70.12	LT-19.30	18" RCP APRON END	-	1042.70	-	-
S-10	701+11.00	CL	STORM TAP	-	1039.19	-	FITTING REQUIRED
S-11	700+03.00	CL	30 DEGREE FIELD BEND	-	1042.66	-	-
AMBER NEST ROAD							
S-13	101+52.60	LT-13.50	H INLET	1051.42	1043.81	7.61	W/ R-3067-7004-V
S-14	100+74.50	LT-13.50	H INLET	1047.72	1044.28	3.44	W/ R-3067-7004-V
S-14A	100+74.50	RT-13.50	H INLET	1047.60	1044.44	3.16	W/ R-3067-7004-V
PVT INLET	100+71.97	LT-34.00	H INLET	1047.40	1044.40	3.00	W/ R-1878-B7G

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
STORM EASEMENT										
P-1	S-1	S-2	1037.50	1045.34	158	158	4.96%	12"	TYPE I	(1)
BARN SWALLOW CIRCLE										
P-2	S-2	S-3	1045.34	1045.37	5	2	1.50%	12"	TYPE II	-
* P-3	S-2	S-4	1045.34	1045.47	5	2	6.50%	12"	TYPE II	-
P-12	S-12	S-13	1043.51	1043.81	49	46	0.65%	12"	TYPE I	-
BIKE PATH										
* P-5	S-5	S-6	1041.85	1042.70	42	42	2.02%	18"	TYPE I	-
* P-6	S-7	S-8	1041.85	1042.70	42	42	2.02%	18"	TYPE I	-
P-10	S-10	S-11	1039.19	1042.66	108	108	3.21%	12"	TYPE II	-
P-11	S-11	S-12	1042.66	1043.51	24	22	3.86%	12"	TYPE II	-
AMBER NEST ROAD										
P-13	S-13	S-14	1043.81	1044.28	78	75	0.63%	12"	TYPE II	-
P-14	S-14	S-14A	1044.28	1044.44	27	25	0.64%	12"	TYPE I	-
PVT	S-14	PVT INLET	1044.28	1044.40	21	19	0.63%	12"	TYPE II	-

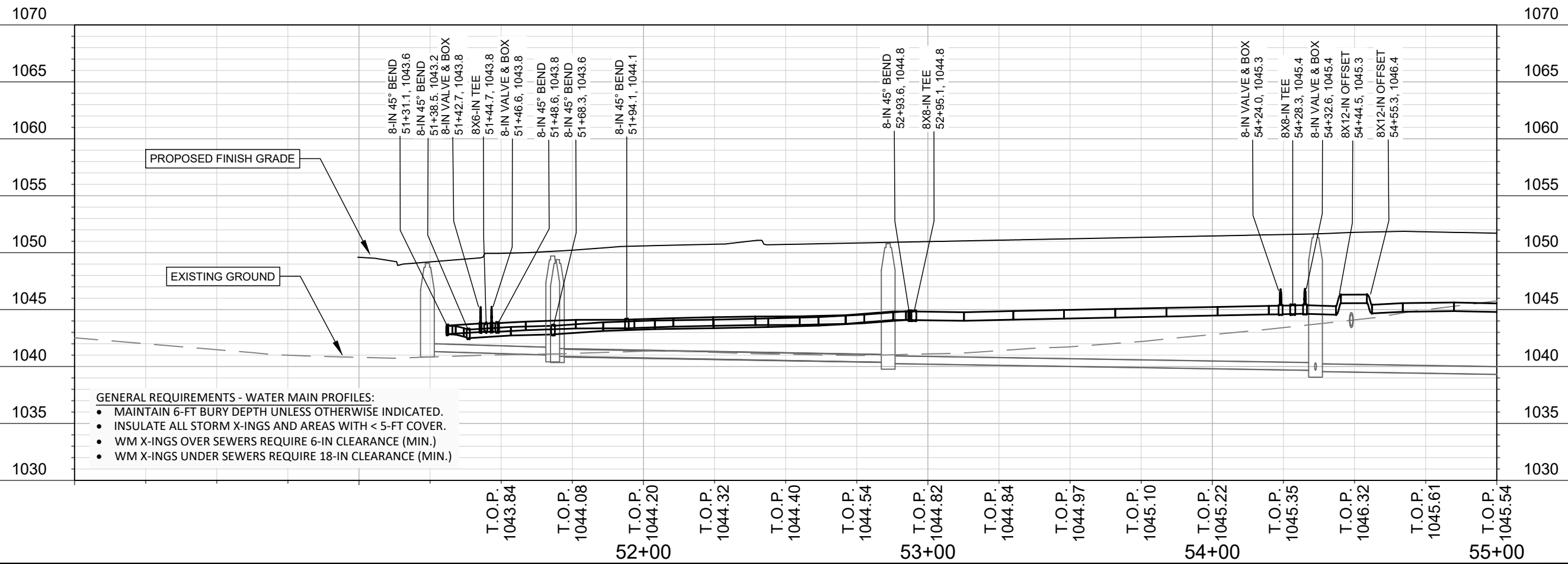
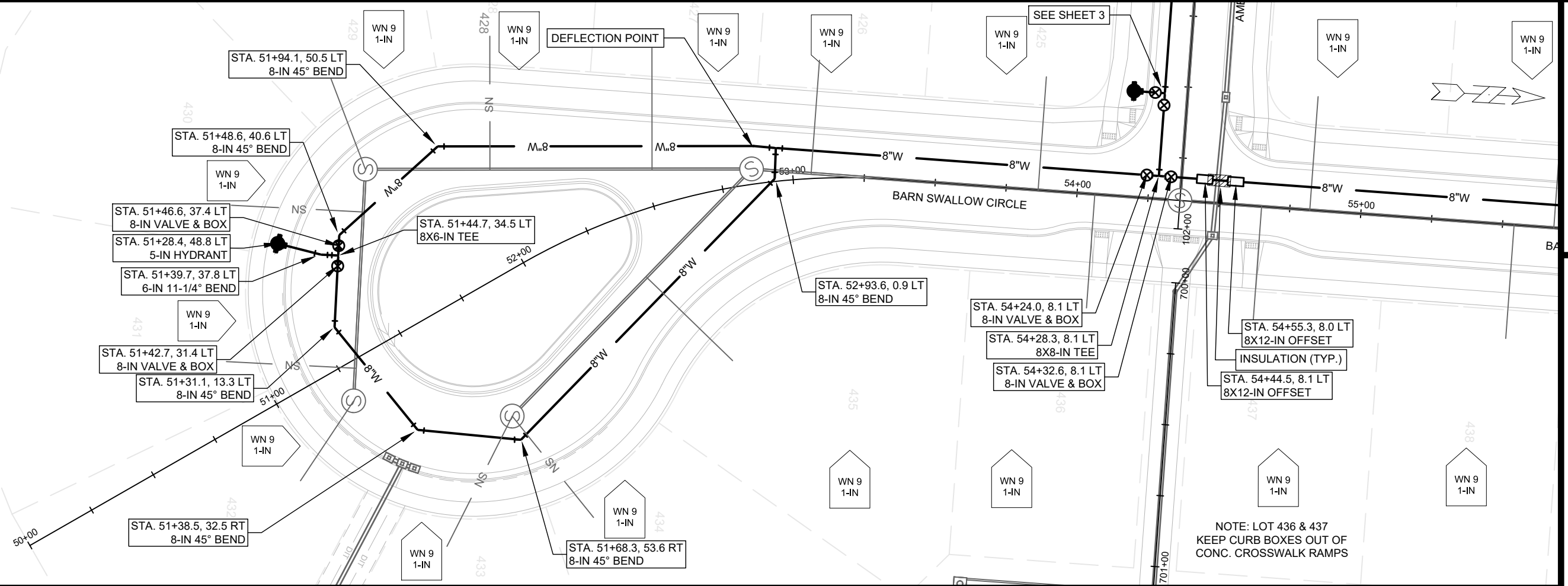
SPECIFIC NOTES:

(1) INCLUDE PIPE TIES

STANDARD NOTES:

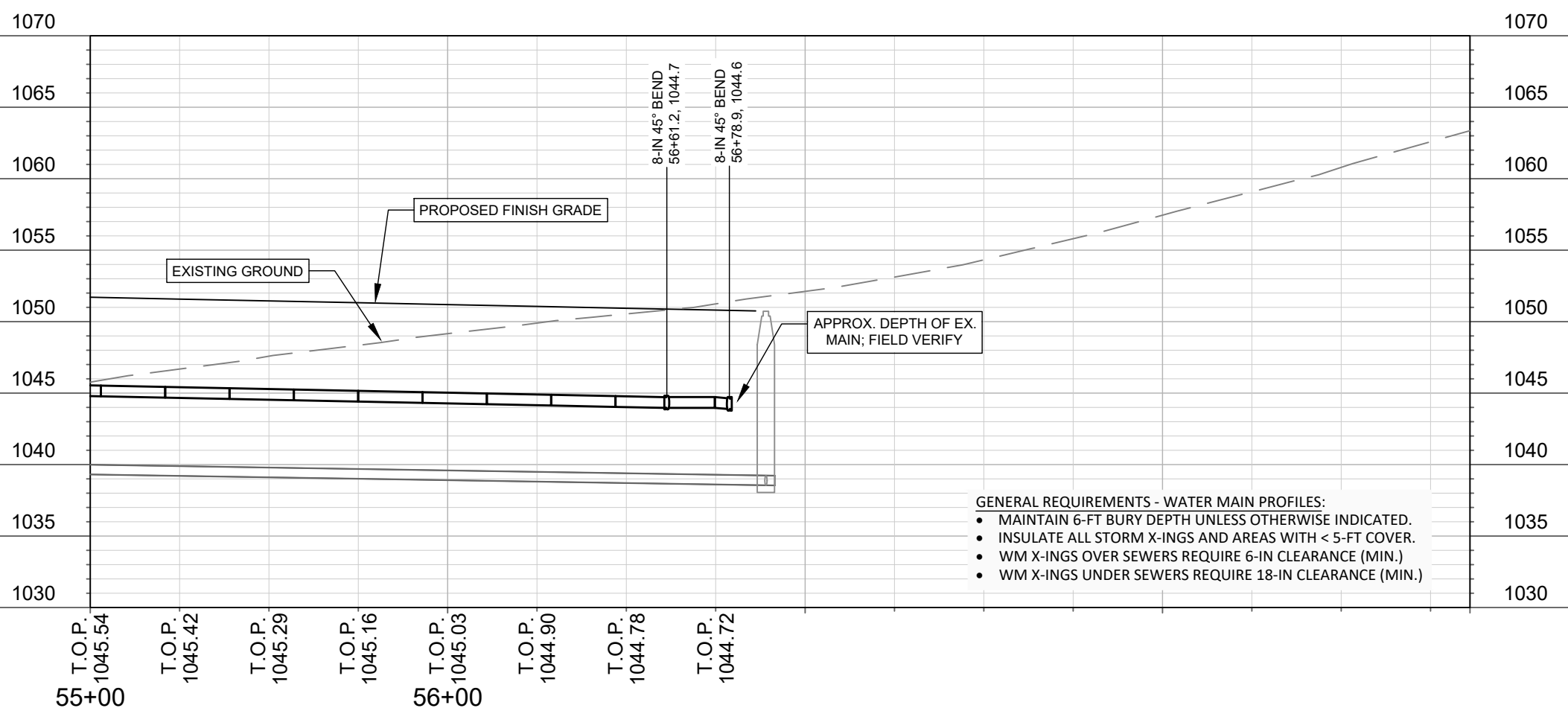
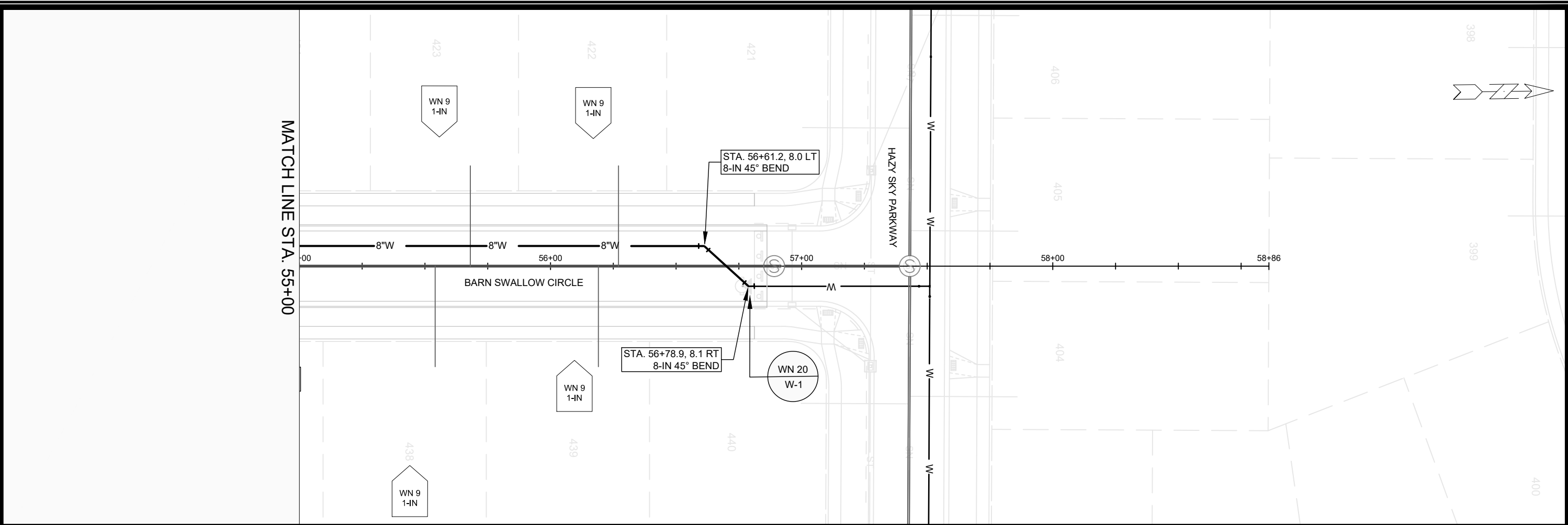
-PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.
 - ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED 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



- 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: TDP
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 8/15/23
 CONTRACT NO: 9127
 SOUTHERN ADDITION TO BIRCHWOOD POINT PHASE 6
 WATER PLAN & PROFILE BARN SWALLOW CIRCLE
 CITY OF MADISON, WISCONSIN
 14343
 W-1



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

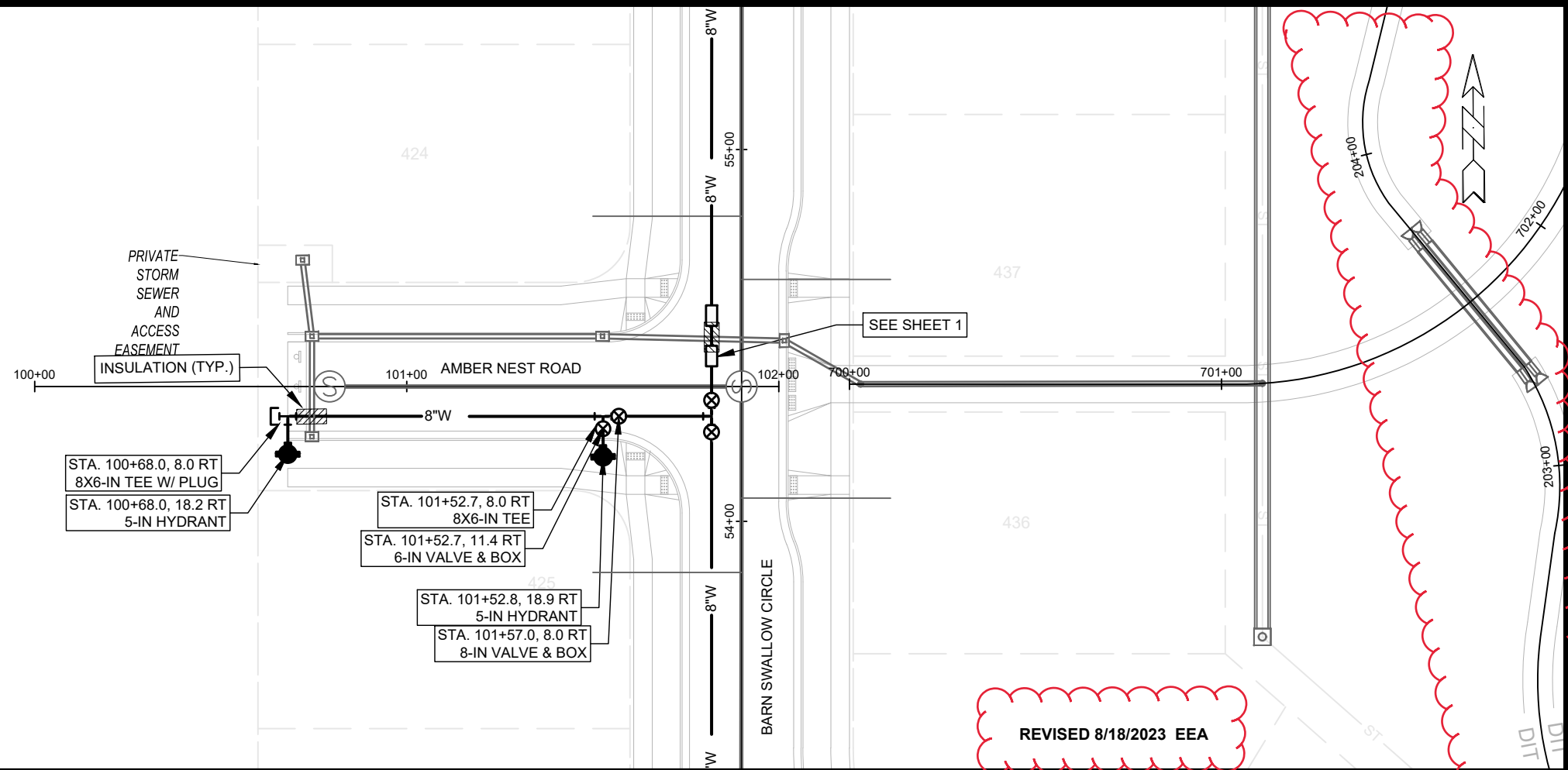
SOUTHERN ADDITION TO BIRCHWOOD POINT PHASE 6
 WATER PLAN & PROFILE BARN SWALLOW CIRCLE
 CITY OF MADISON, WISCONSIN

SCALE: 1" = 40'
 DESIGNED BY: TDP
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 8/15/23

CONTRACT NO: 9127



14343
 W-2



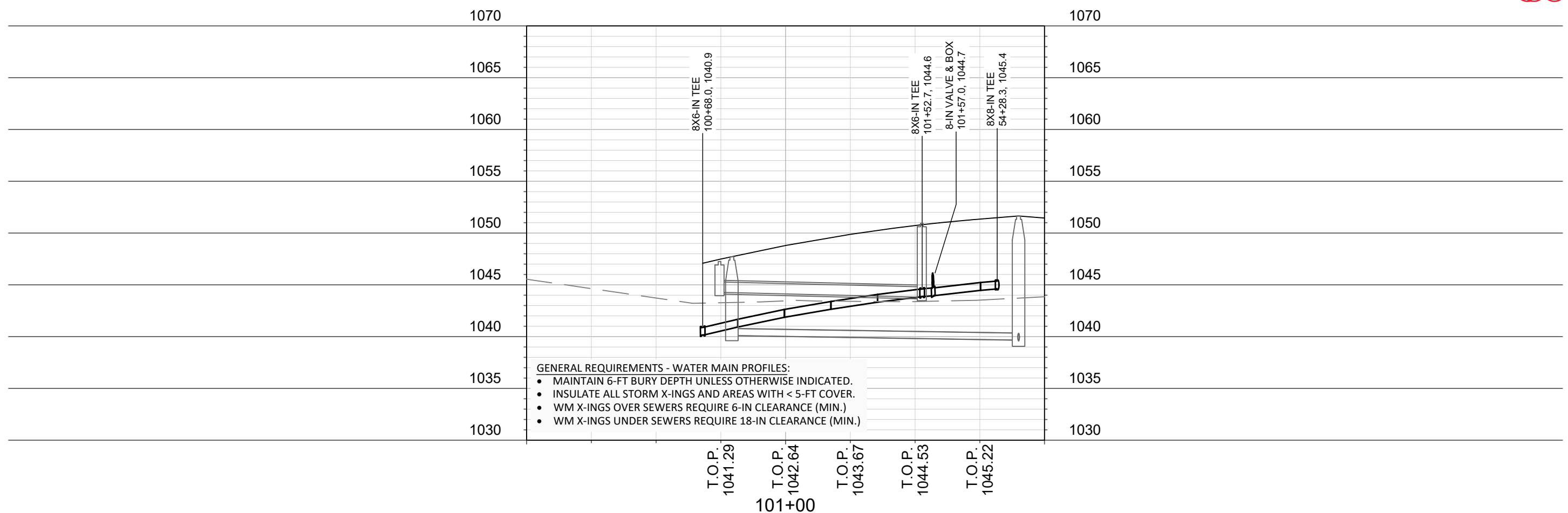
STA. 100+68.0, 8.0 RT
8X6-IN TEE W/ PLUG
STA. 100+68.0, 18.2 RT
5-IN HYDRANT

STA. 101+52.7, 8.0 RT
8X6-IN TEE
STA. 101+52.7, 11.4 RT
6-IN VALVE & BOX

STA. 101+52.8, 18.9 RT
5-IN HYDRANT
STA. 101+57.0, 8.0 RT
8-IN VALVE & BOX

REVISED 8/18/2023 EEA

- 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.)



SOUTHERN ADDITION TO BIRCHWOOD POINT PHASE 6
WATER PLAN & PROFILE AMBER NEST ROAD

CITY OF MADISON, WISCONSIN

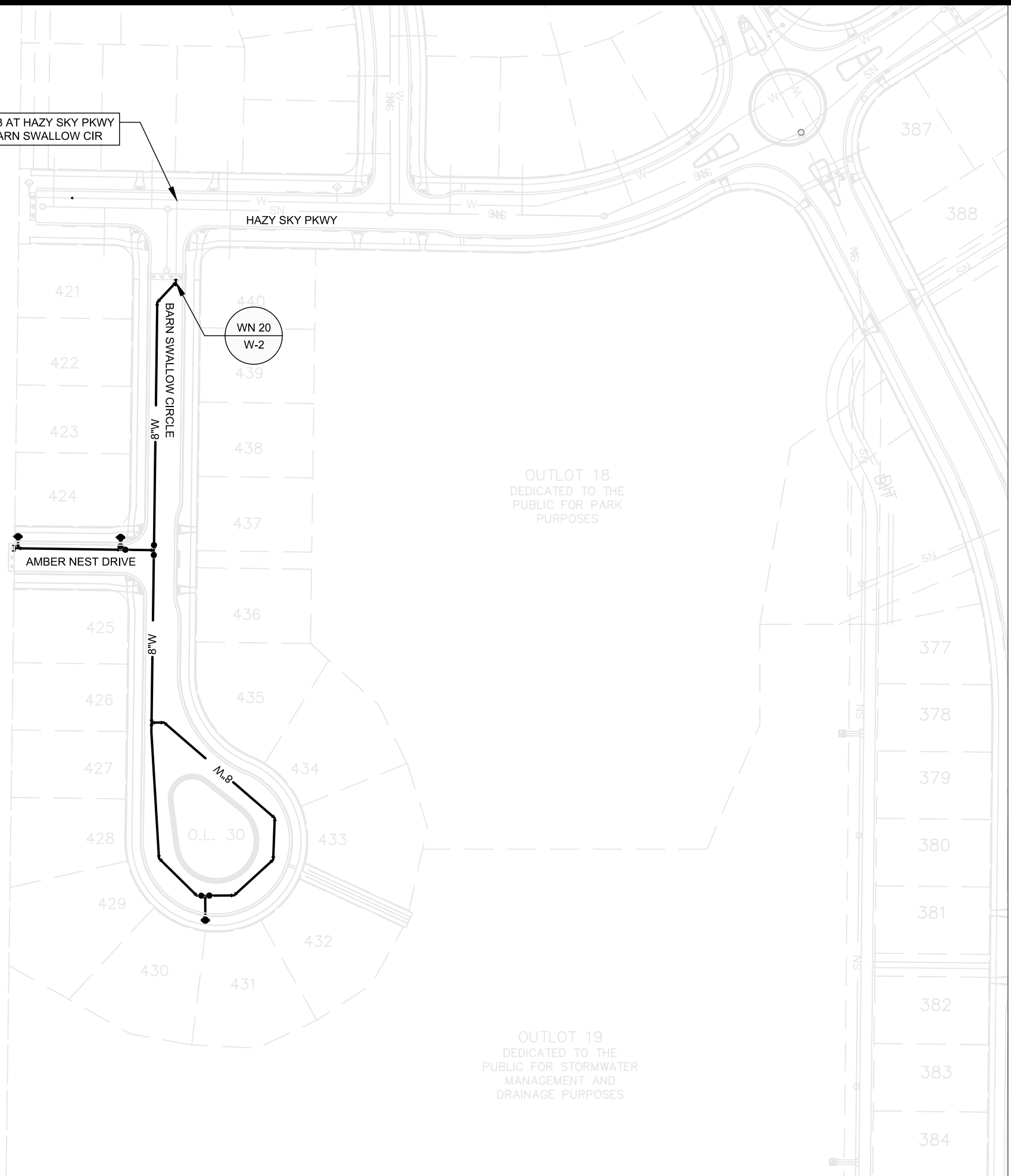


14343
W-3

SCALE: 1" = 40'
DESIGNED BY: TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 8/15/23

CONTRACT NO: 9127

V-8723 AT HAZY SKY PKWY
& BARN SWALLOW CIR



1" = 100'



WN20 W-2: CONNECTION TO EXISTING 8-IN AT BARN SWALLOW CIRCLE
 SALVAGE AND RELOCATE EX HYDRANT, PRESSURE TEST EXISTING SUB PRIOR TO
 CONNECTION.
 ISOLATION VALVE: V-8723 ST BARN SWALLOW CIRCLE AT HAZY SKY PARKWAY
 NOTIFICATIONS: NONE REQUIRED

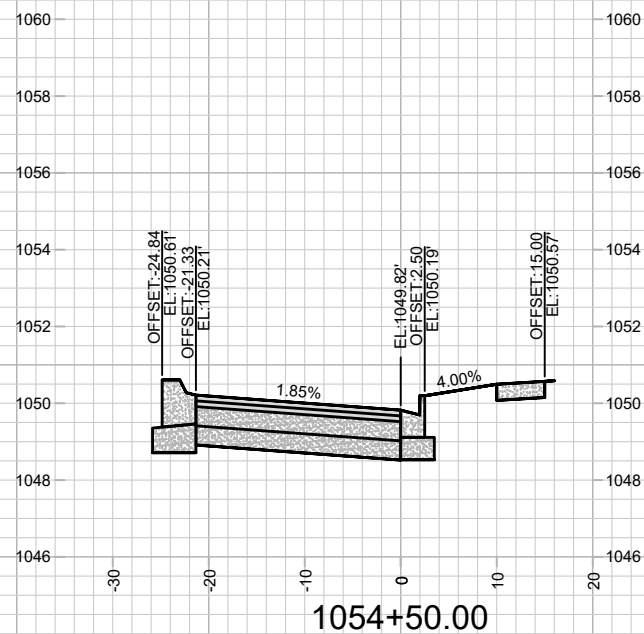
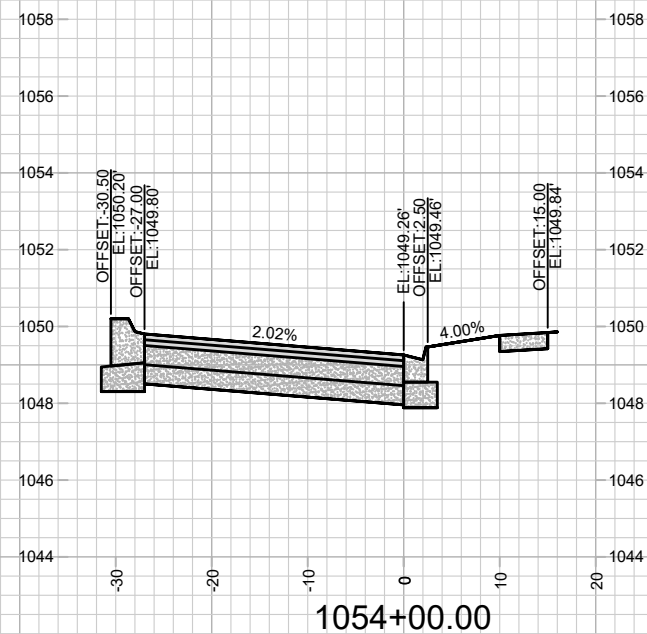
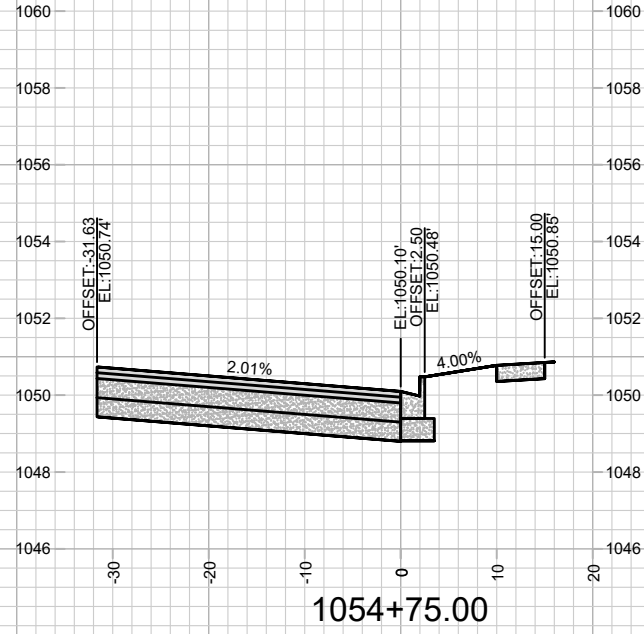
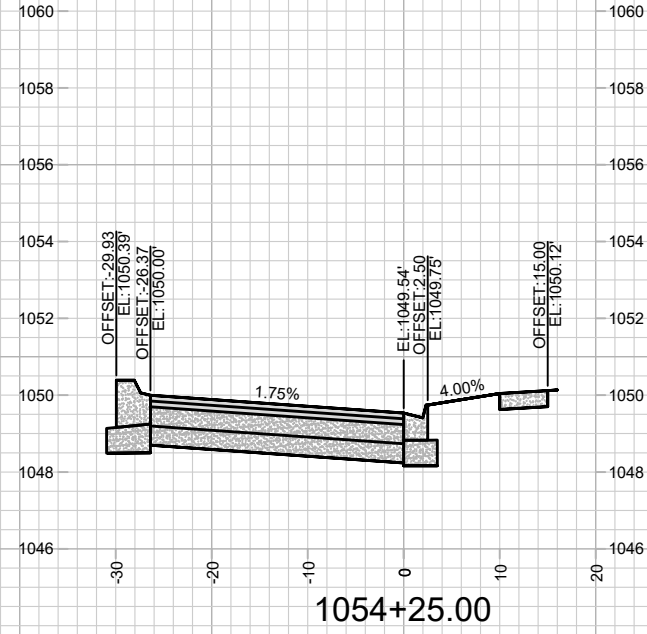
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 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 12/13/2022

SOUTHERN ADDITION TO BIRCHWOOD POINT PHASE 6
 WATER IMPACT PLAN CONNECTION AT BARN SWALLOW CIRCLE
 CITY OF MADISON, WISCONSIN
 CONTRACT NO: 9127



14343
 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.

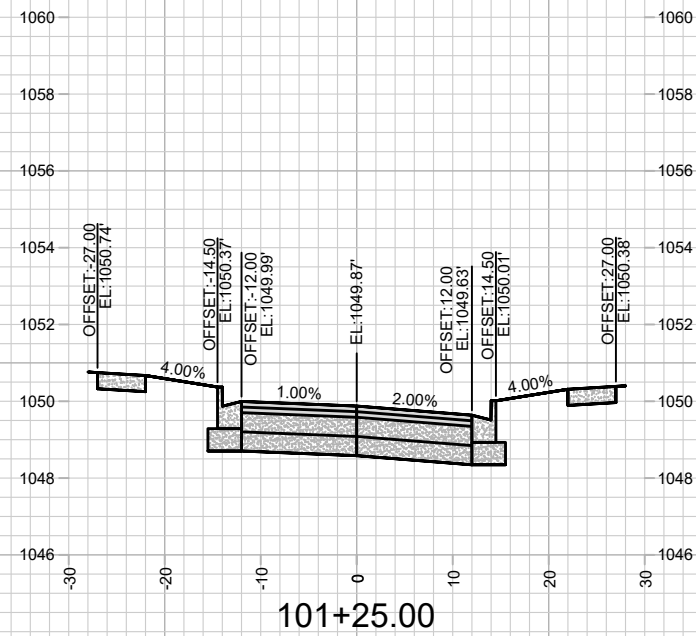
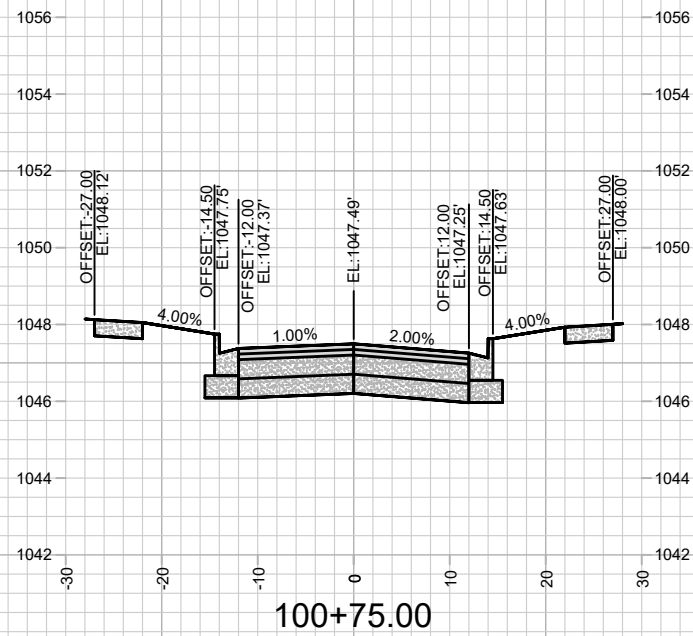
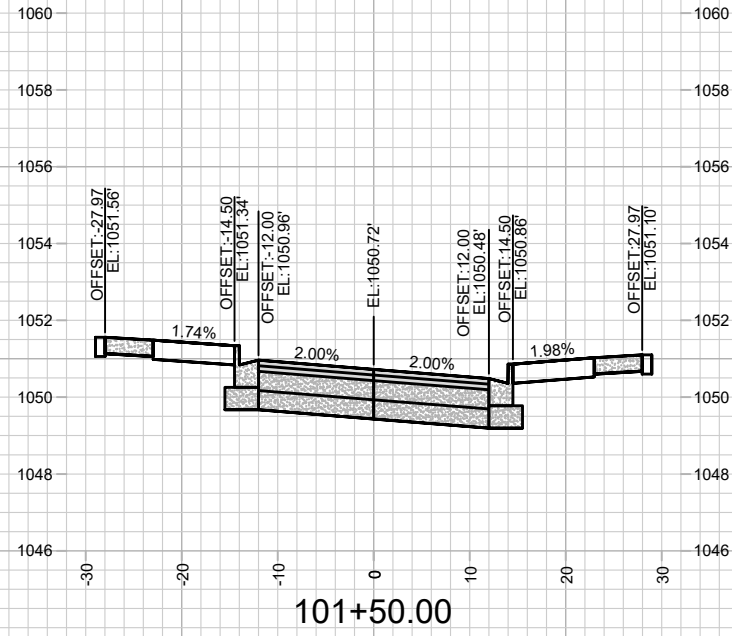
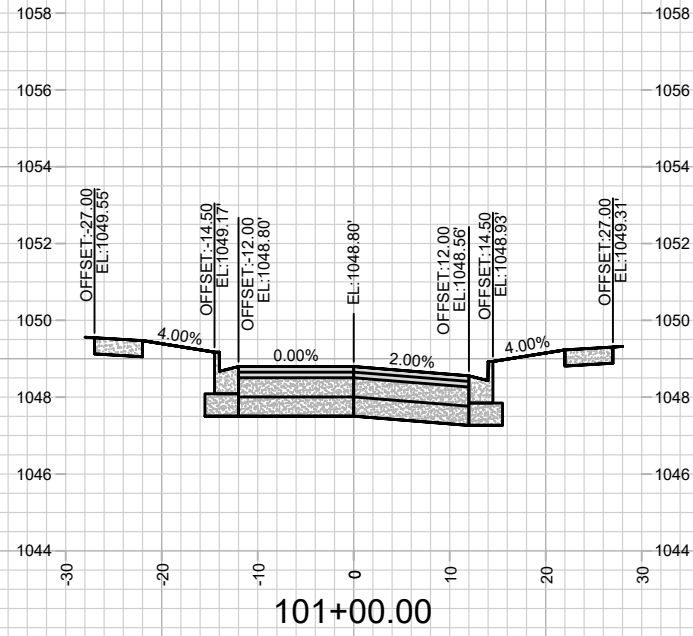


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14343
 MADISON, WI
 9217
 CONTRACT NO:
 CROSS SECTIONS - BARN SWALLOW CIRCLE CULDESAC
 SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6
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14343
 X-5



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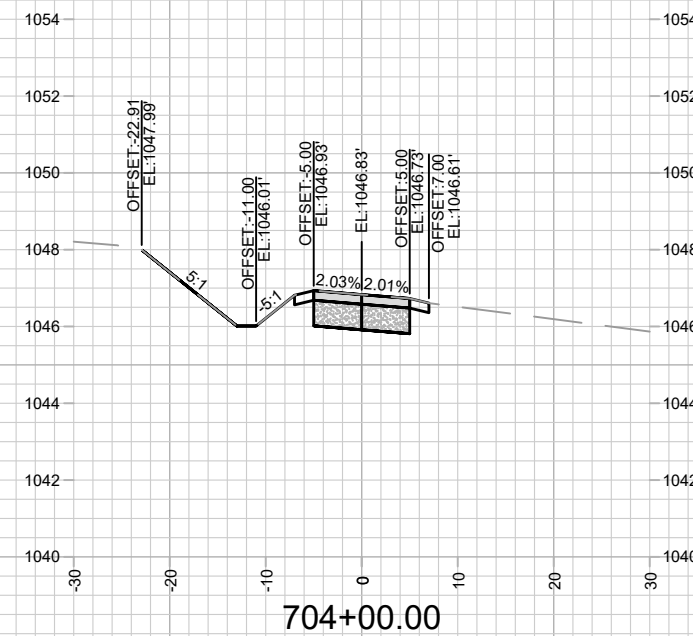
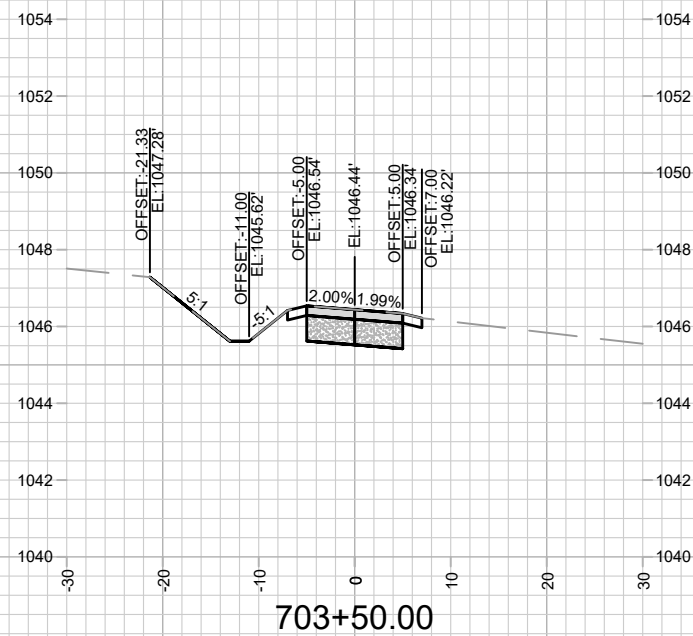
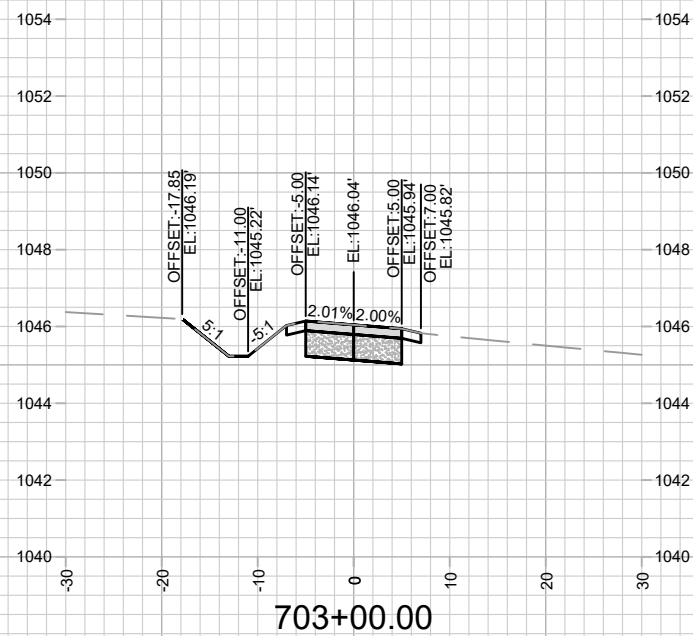
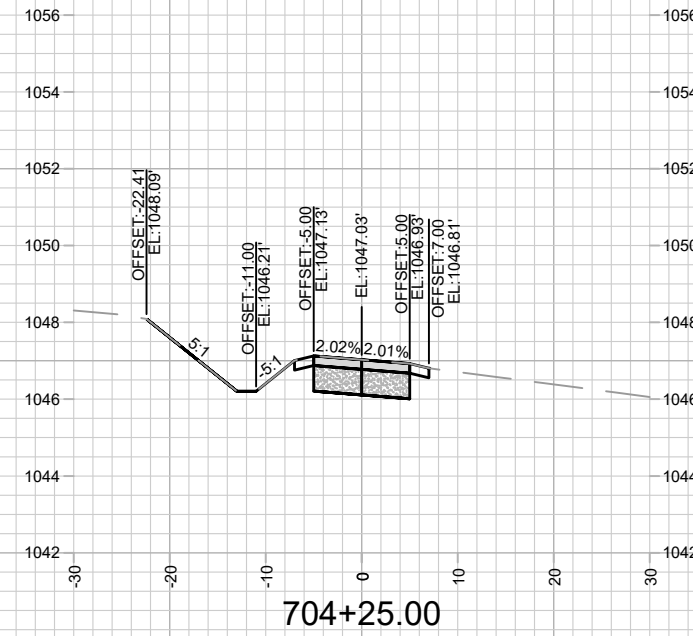
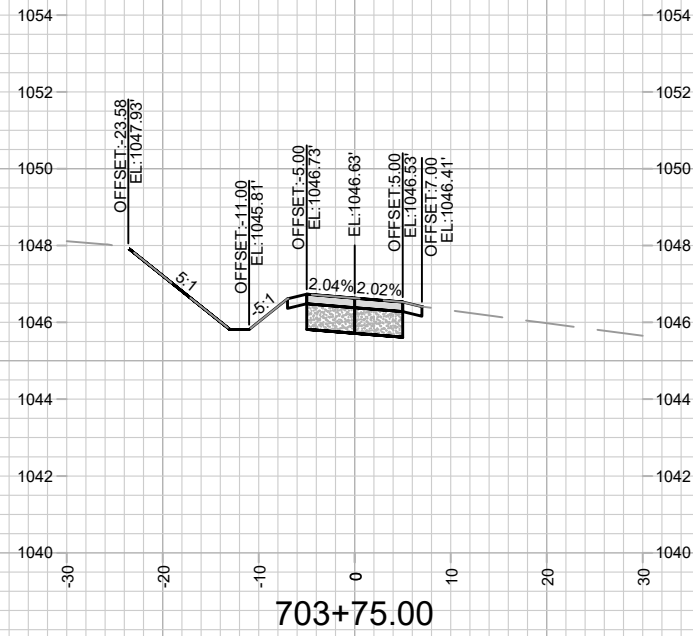
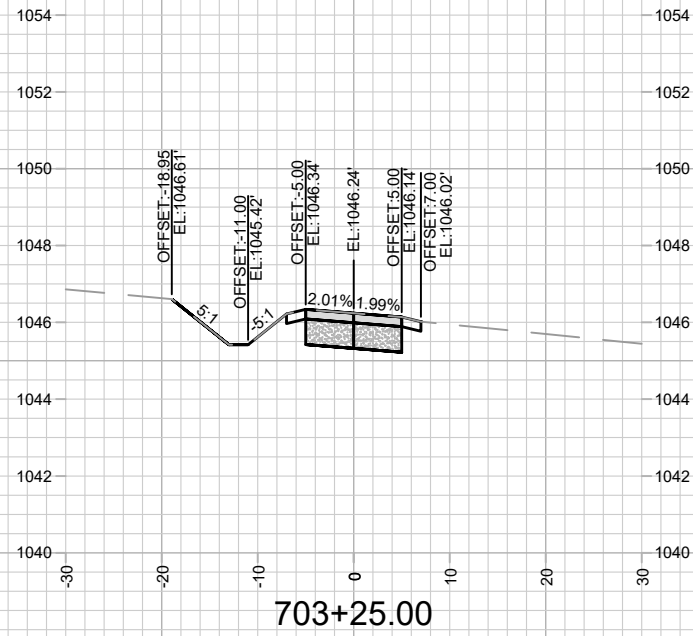
14343
MADISON, WI
9217

CROSS SECTIONS - AMBER NEST ROAD
SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6
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CONTRACT NO:



14343
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Date: 1/6/2023 4:00 PM



REVISED BY EEA 8/17/2023

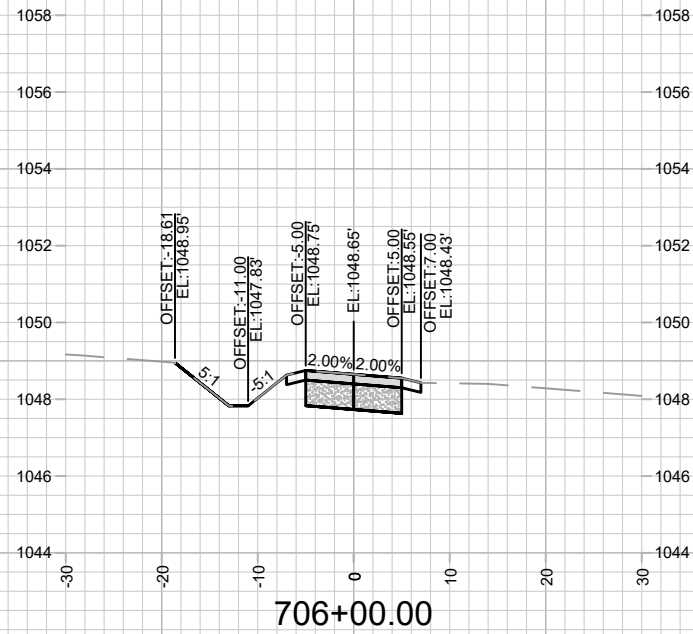
1. REMOVED NOTE STATING IMPROVEMENTS WITHIN PARK WERE NOT TO BE BUILT UNTIL REVISION WAS ISSUED
2. UPDATED 10' ASPHALT PATH DITCH AND SLOPE INTERCEPT
3. ADDED EXISTING SURFACE TO CROSS SECTIONS

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14343
MADISON, WI
SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6
CONTRACT NO: 9217

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REVISED BY EEA 8/17/2023

1. REMOVED NOTE STATING IMPROVEMENTS WITHIN PARK WERE NOT TO BE BUILT UNTIL REVISION WAS ISSUED
2. UPDATED 10' ASPHALT PATH DITCH AND SLOPE INTERCEPT
3. ADDED EXISTING SURFACE TO CROSS SECTIONS

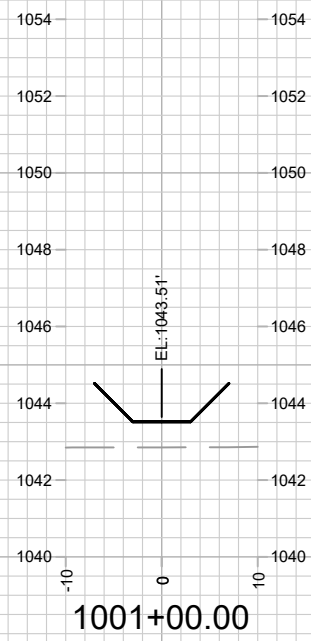
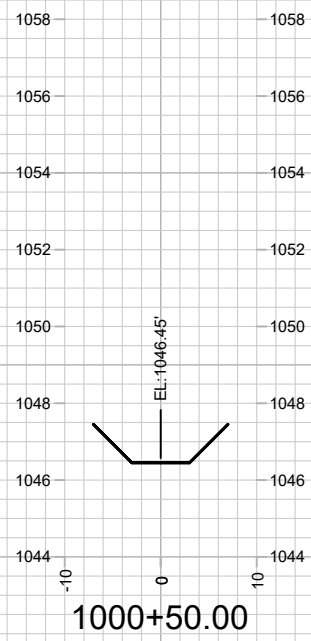
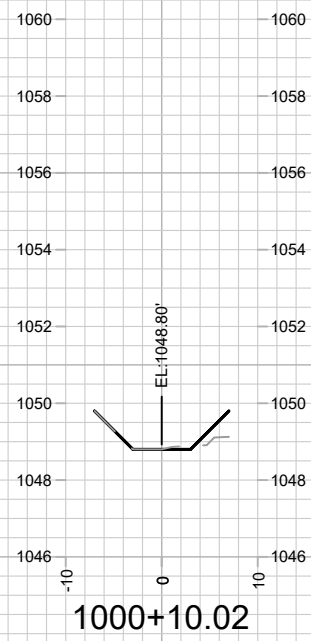
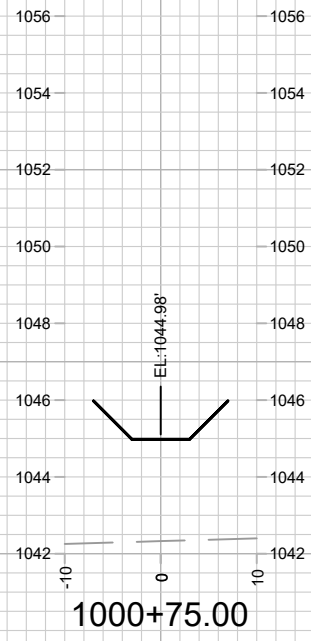
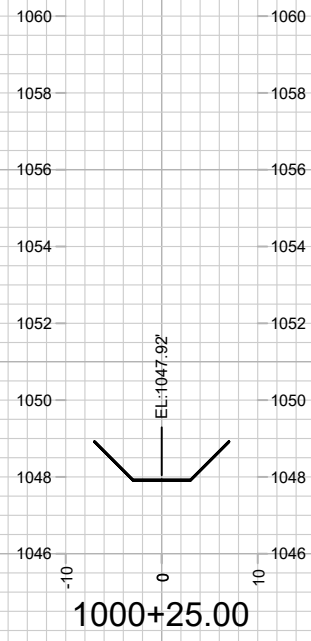
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14343
 MADISON, WI
 SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6
 CONTRACT NO: 9217
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Designed By: EEA
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 Date: 1/6/2023 4:00 PM
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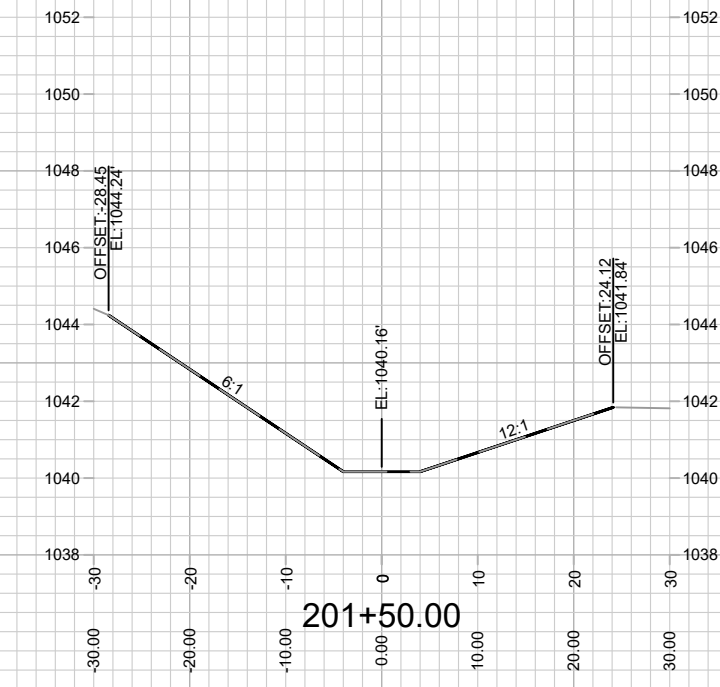
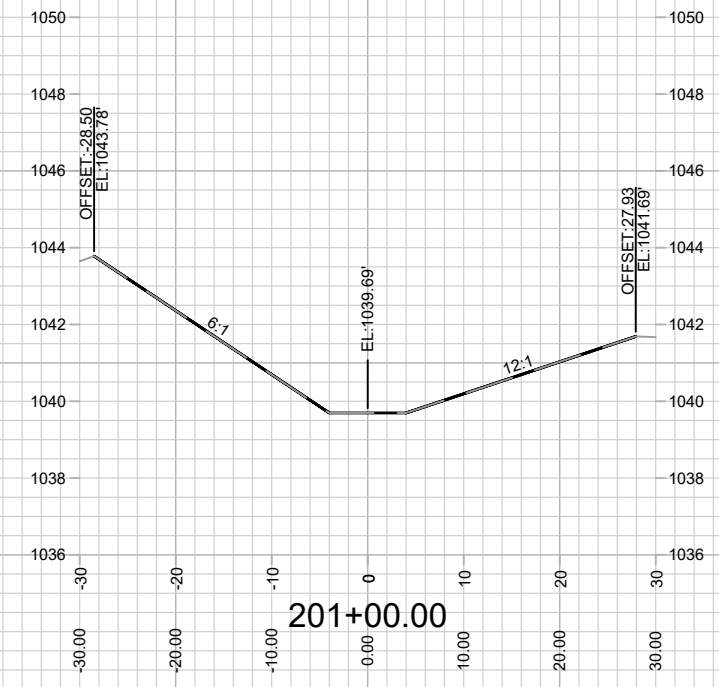
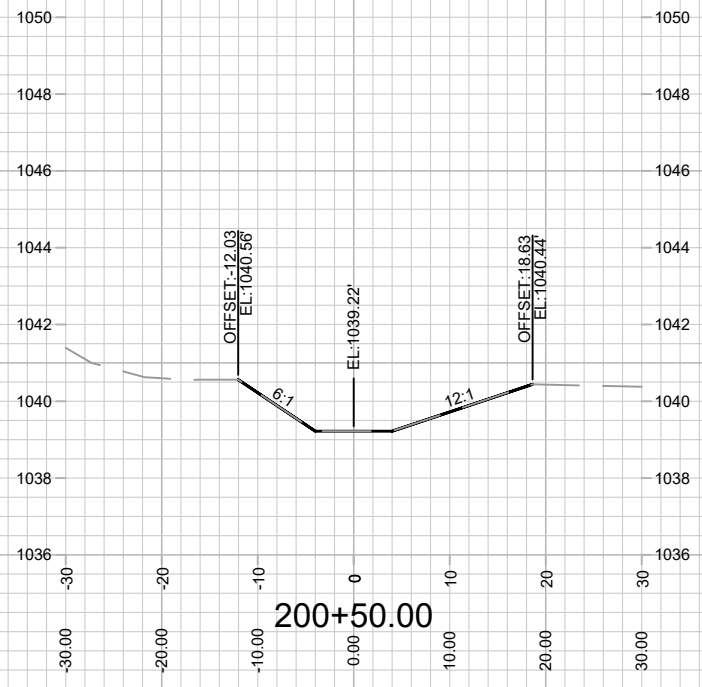
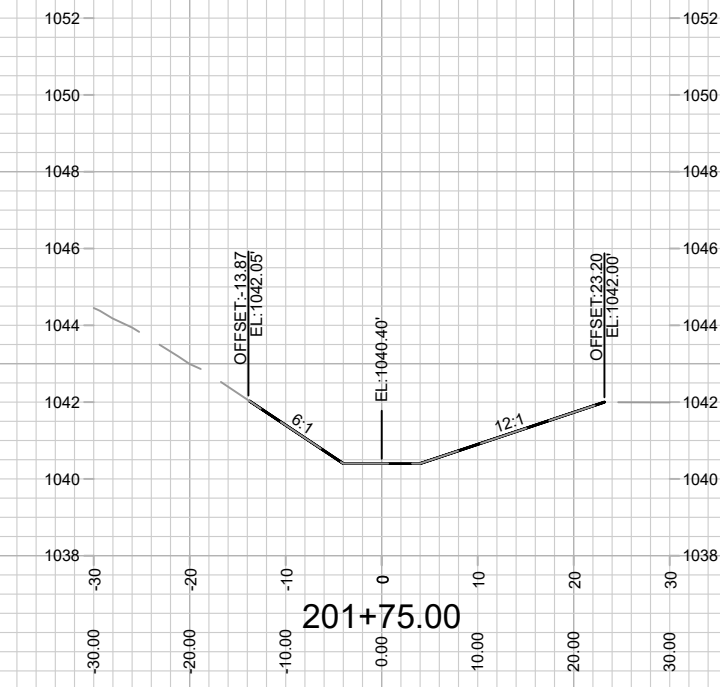
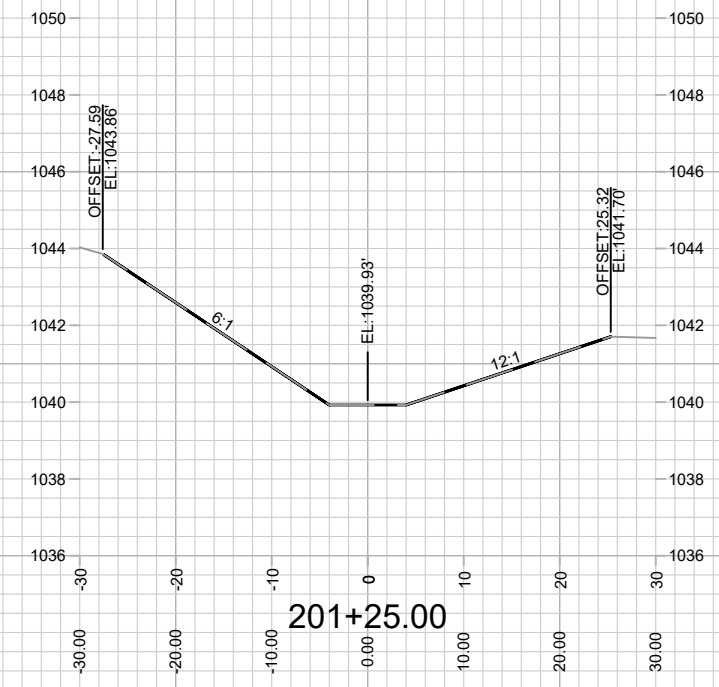
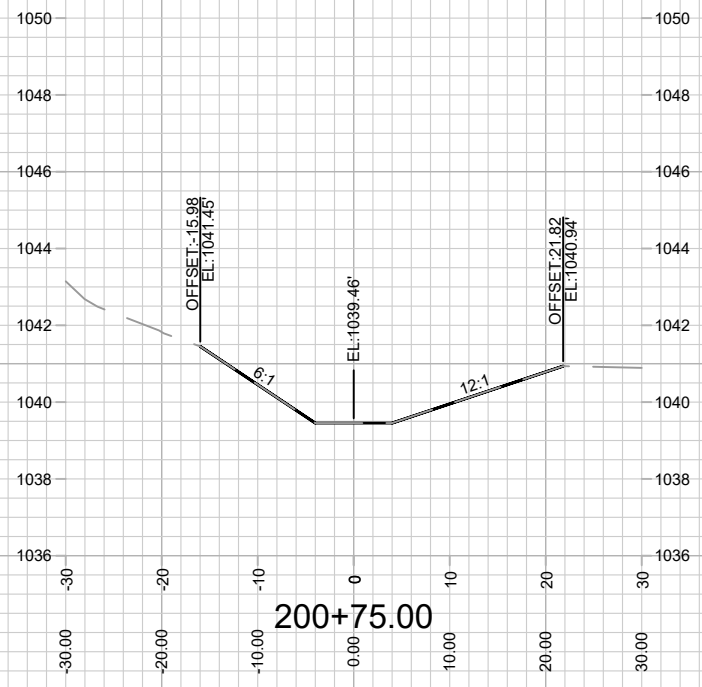


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14343
 CROSS SECTIONS - STORMSEWER EASEMENT CHANNEL
 MADISON, WI
 SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6
 M:\DESIGN\Projects\14343\CAD\Streets\14343EN-Corridor.dwg
 9217
 CONTRACT NO:
 14343
 Scale: #####
 X-12



14343
 X-12



REVISED BY EEA 8/17/2023
 1. REMOVED NOTE STATING IMPROVEMENTS WITHIN PARK WERE NOT TO BE BUILT UNTIL REVISION WAS ISSUED
 2. CHANGED SHEET NAME TO "CROSS SECTIONS - PARK SWALE"
 3. UPDATED PARK SWALE ALIGNMENT AND SLOPE INTERCEPT
 4. REMOVED OUTDATED EXISTING SURFACE

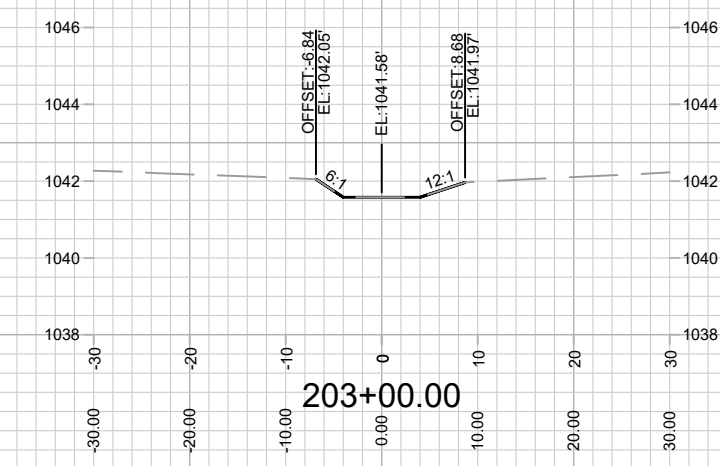
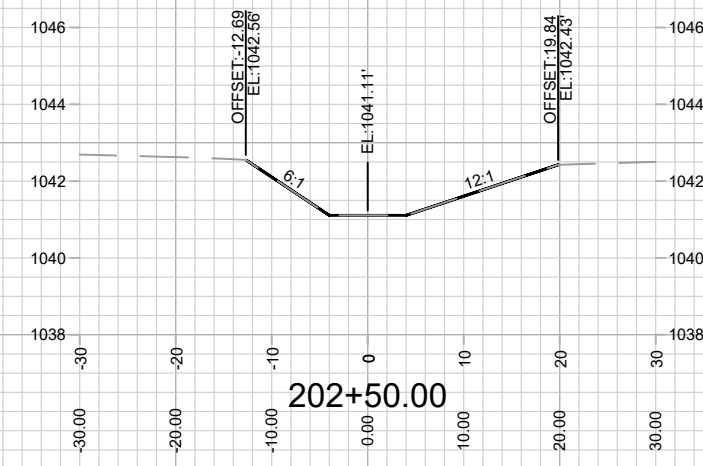
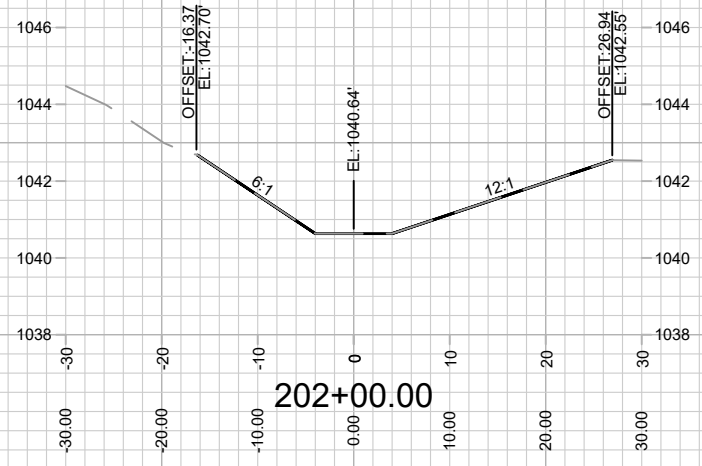
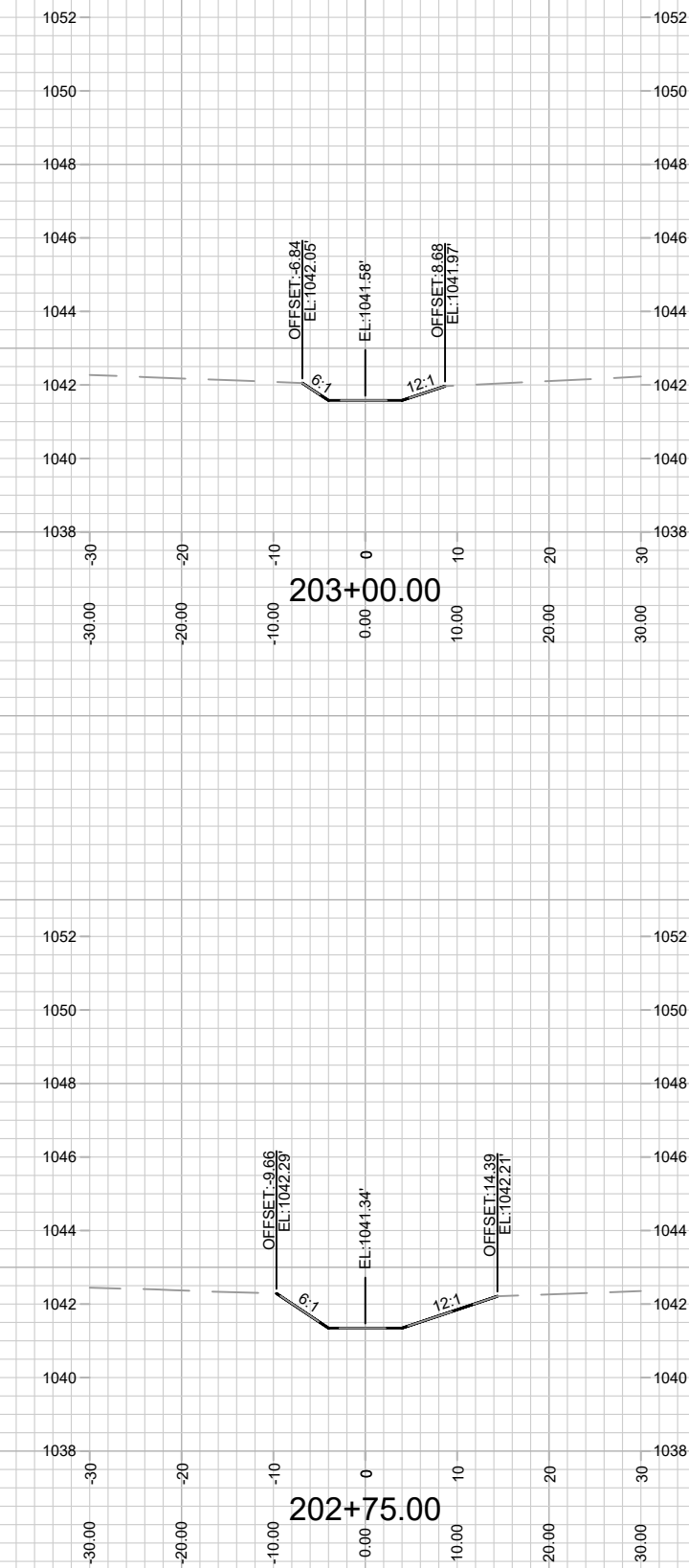
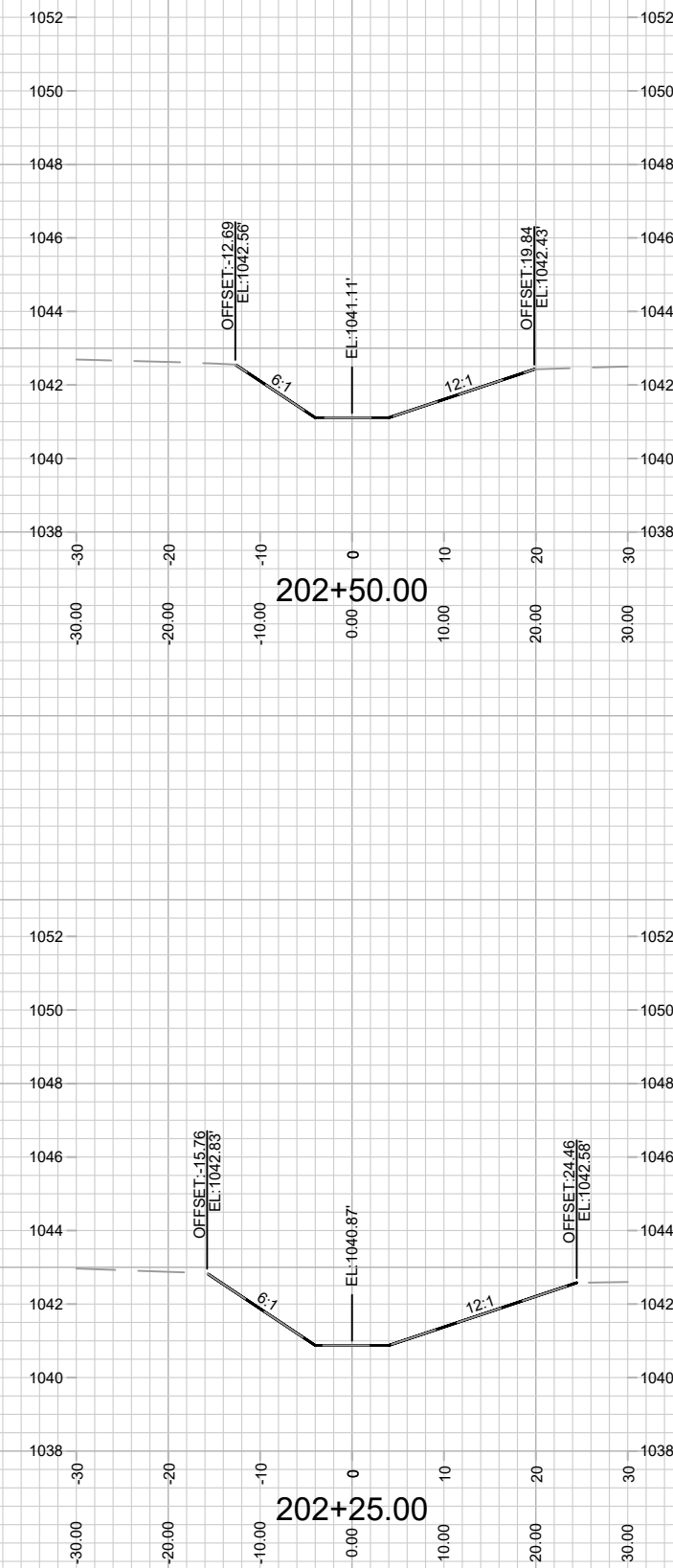
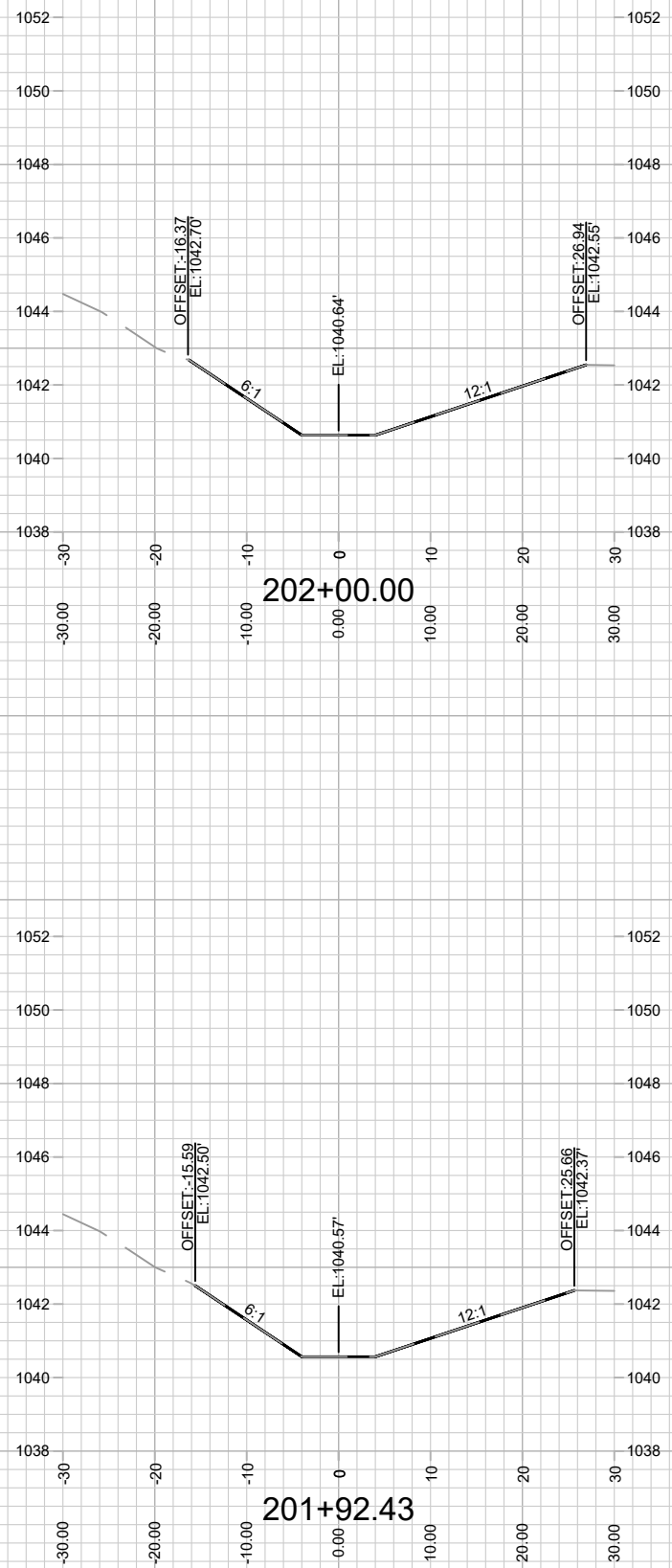
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14343
 MADISON, WI
 9217
 CONTRACT NO:

CROSS SECTIONS - PARK SWALE
 SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6
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14343
 X-13



REVISED BY EEA 8/17/2023
 1. REMOVED NOTE STATING IMPROVEMENTS WITHIN PARK WERE NOT TO BE BUILT UNTIL REVISION WAS ISSUED
 2. CHANGED SHEET NAME TO "CROSS SECTIONS - PARK SWALE"
 3. UPDATED PARK SWALE ALIGNMENT AND SLOPE INTERCEPT
 4. REMOVED OUTDATED EXISTING SURFACE

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Designed By: EEA
 Date: 8/27/2023 10:40 AM
 Scale: #####

14343
 MADISON, WI
 9217
 CONTRACT NO:

CROSS SECTIONS - PARK SWALE
 SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6
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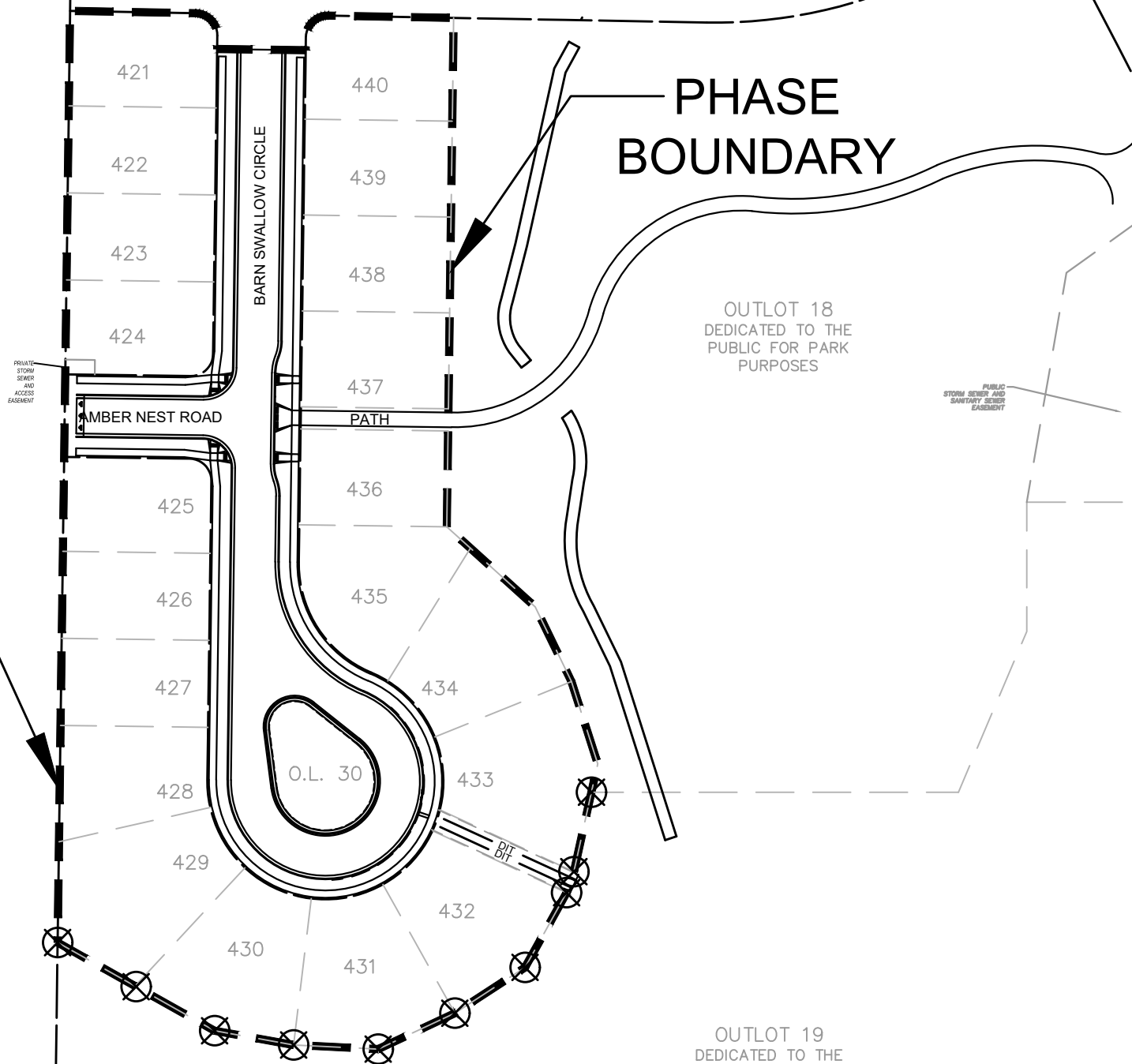
14343
 X-14

PHASE
BOUNDARY

PHASE
BOUNDARY

OUTLOT 18
DEDICATED TO THE
PUBLIC FOR PARK
PURPOSES

OUTLOT 19
DEDICATED TO THE
PUBLIC FOR STORMWATER
MANAGEMENT AND
DRAINAGE PURPOSES



REVISED BY EEA 8/17/2023
1. UPDATED PARK SWALE ALIGNMENT
2. UPDATED ISLAND CURB'S BACK OF CURB LINEWORK TO 1'-10"

LEGEND

⊗ INSTALL PROPERTY BOUNDARY
MARKERS PER S.D.D. 2.11

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14343
MADISON, WI
9217

PROP. BOUNDARY MARKERS PLAN
SOUTHERN ADDITION TO BIRCHWOOD POINT PHASE 6
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14343
PBM-1

PHASE BOUNDARY

PARK PATH - PARKS DIVISION TO MAINTAIN

OUTLOT 18 DEDICATED TO THE PUBLIC FOR PARK PURPOSES

PUBLIC STORM SEWER AND SANITARY SEWER EASEMENT

CONCRETE WATERWAY - CITY TO PERFORM SNOW REMOVAL

OUTLOT 19 DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT AND DRAINAGE PURPOSES

BARN SWALLOW CIRCLE

AMBER NEST ROAD

REVISED BY EEA 8/17/2023
 1. UPDATED PARK SWALE ALIGNMENT
 2. UPDATED ISLAND CURB'S BACK OF CURB LINEWORK TO 1'-10"
 3. UPDATED O.L. 30 MAINTAINED AREA

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

SPECIAL FEATURES LEGEND:

- = SUSPENDED PAVEMENT SYSTEM
- = STORM WATER FEATURE
- = UNDERDRAIN

NOT FOR CONSTRUCTION - CITY RECORDS ONLY



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14343
 MADISON, WI
 CONTRACT NO: 9217

SOUTHERN ADDITION TO BIRCHWOOD POINT - PHASE 6

MAINTENANCE PLAN



14343
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