

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

FEBRUARY 22, 2022

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

ENG- Greg Fries Jun 24, 2022
ENG- Greg Fries (Jun 24, 2022 15:20 CDT)

City Engineer Date

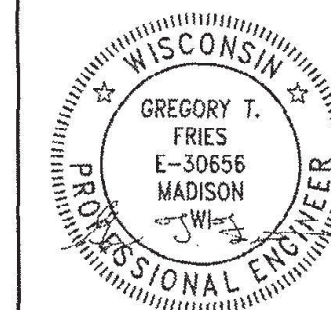
STREET GRADES DESIGNED BY:



Jun 24, 2022

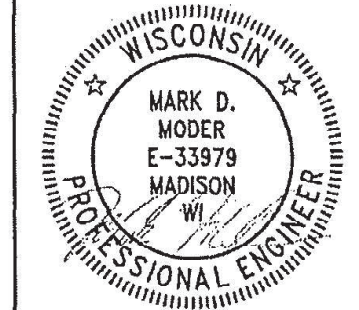
REVISED 8/31/22 BY IO

STORM SEWER DESIGNED BY:



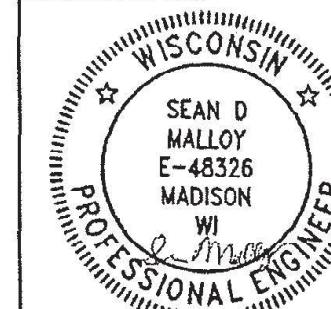
Jun 24, 2022

SANITARY SEWER DESIGNED BY:



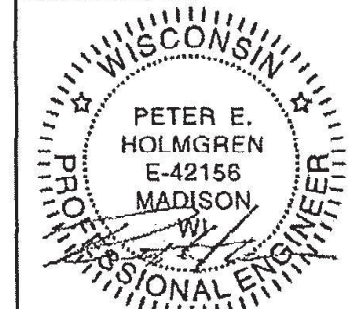
Jun 24, 2022

STREET GEOMETRICS DESIGNED BY:



Jun 24, 2022

WATER DESIGNED BY:



Jun 24, 2022

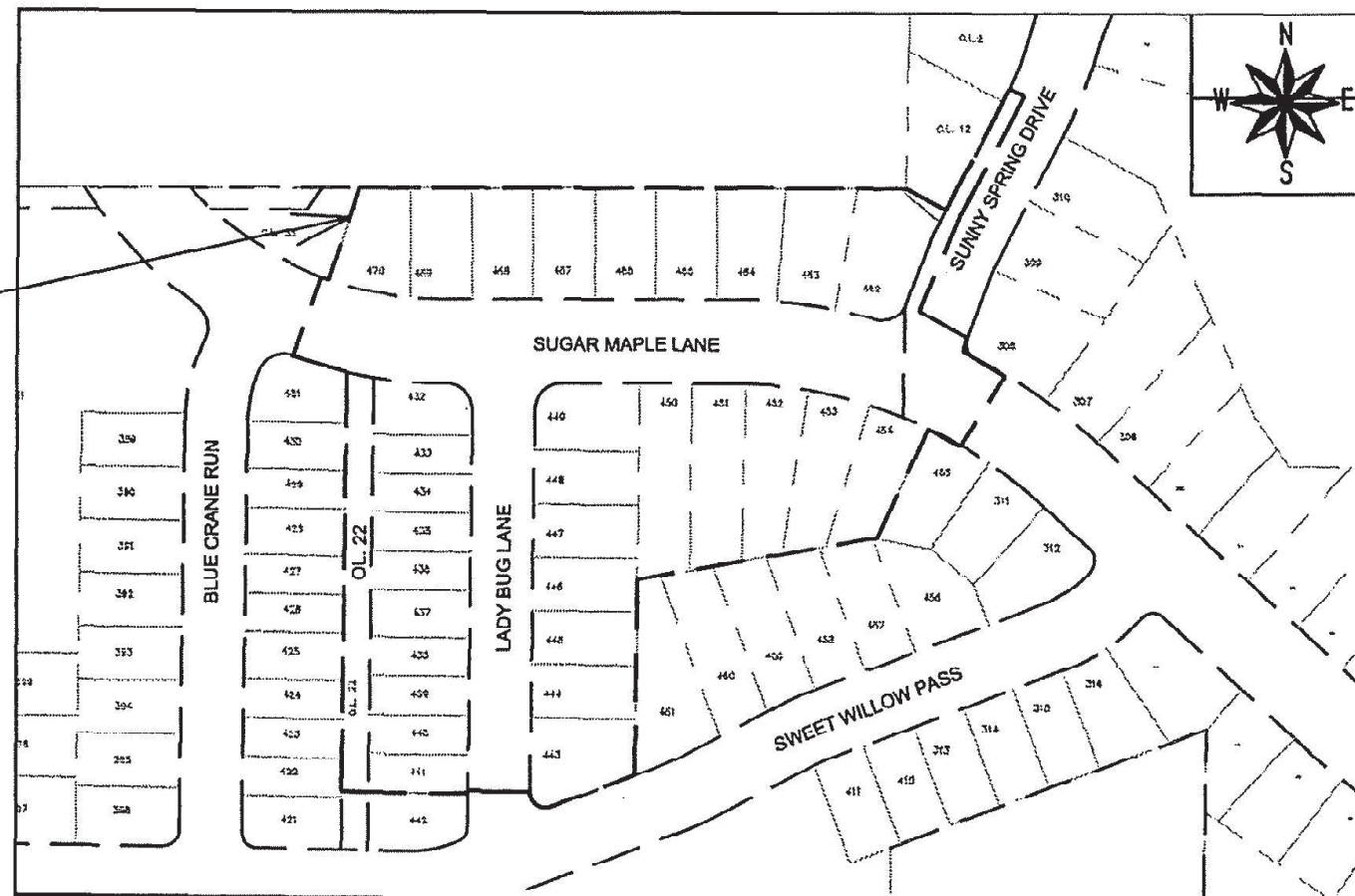
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SHEET NO.	MN1	MAINTENANCE PLAN

WESTERN ADDITION TO 1000 OAKS PHASE 3

CITY PROJECT NO.13855
 CONTRACT NO. 9096

PROJECT LOCATION






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 FILE NAME: M:\DESIGN\Projects\13855\CAD\Streets\13855EN-TitleSheet.dwg
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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 IKE OKAFOR AT IOKAFOR@CITYOFMADISON.COM FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

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

ALL PAVEMENT IN LADY BUG LANE RIGHT-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02

ALL PAVEMENT IN SUNNY SPRING DRIVE RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02

ALL PAVEMENT IN SUGAR MAPLE LANE RIGHTS-OF-WAY SHALL BE TYPE C PAVEMENT PER STANDARD DETAIL DRAWING 4.02..

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

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

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

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

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

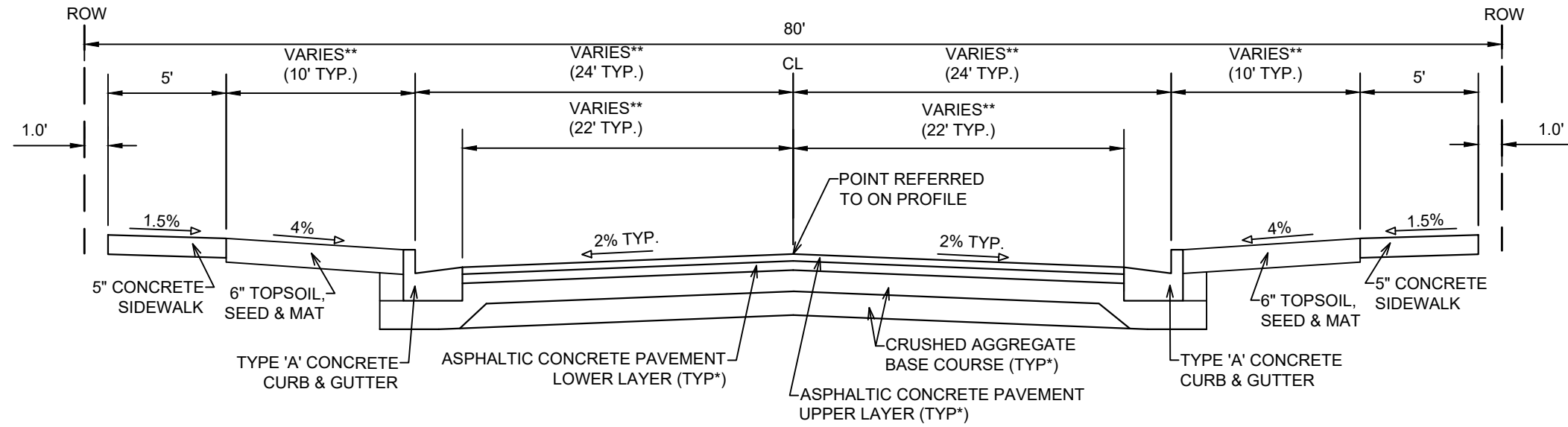
ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

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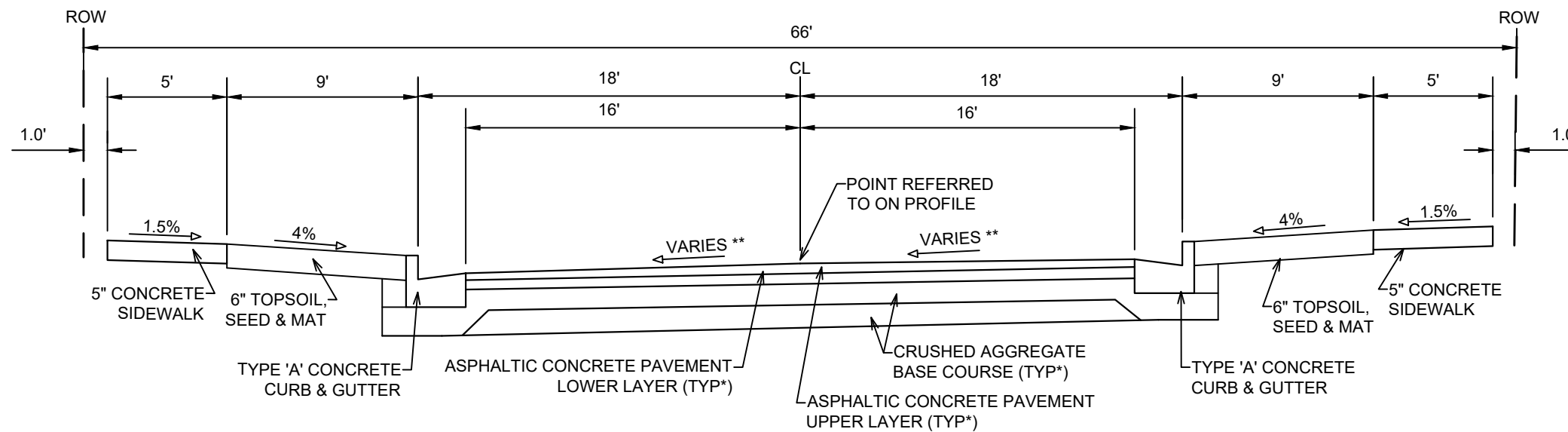
13855
MADISON, WI
9096
CONTRACT NO:

STANDARD NOTES & COMMENTS
WESTERN ADDITION TO 1000 OAKS PHASE 3
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TYPICAL SECTION
SUGAR MAPLE LANE
NOT TO SCALE



TYPICAL SECTION
SUNNY SPRING DRIVE
(STA 401+25 TO 401+40)
NOT TO SCALE

NOTES:

* SUGAR MAPLE LANE SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN. SUNNY SPRING DRIVE SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN.

** SEE PLAN AND CROSS SECTIONS FOR DETAILS AND DIMENSIONS.

- THE DEVELOPER SHALL BE RESPONSIBLE FOR ALL SURFACE PAVING.
(PROJECT NO: 13855, CONTRACT NO: 9097)

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"

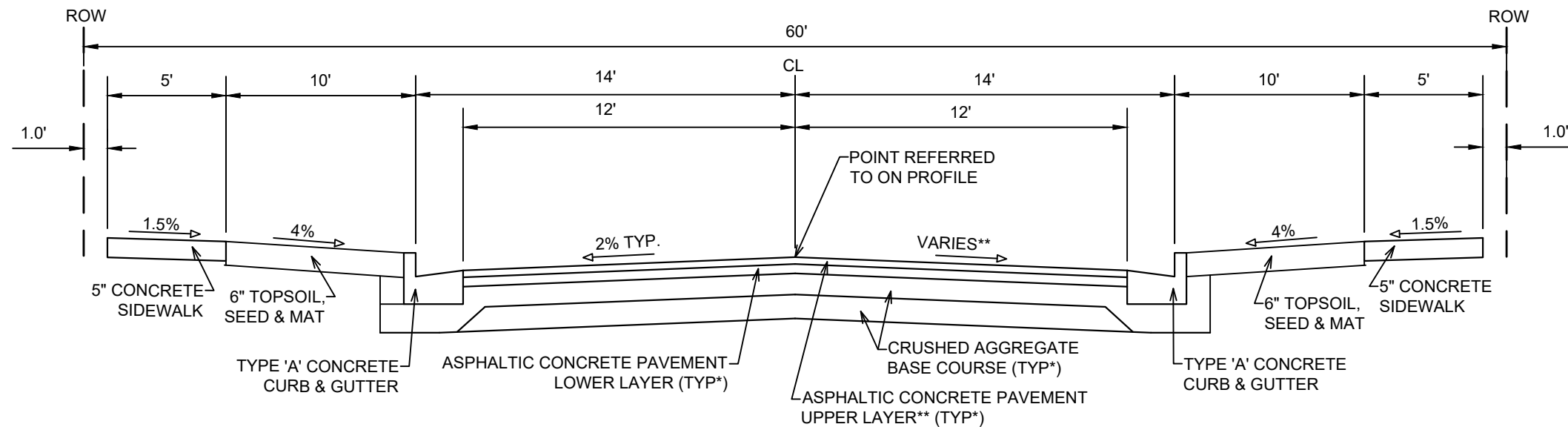
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13855
MADISON, WI
9096
CONTRACT NO:

TYPICAL SECTION
WESTERN ADDITION TO 1000 OAKS PHASE 3
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13855
D-2



TYPICAL SECTION

LADY BUG LANE
NOT TO SCALE

NOTES:

* LADY BUG LANE SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN.

** SEE PLAN AND CROSS SECTIONS FOR DETAILS AND DIMENSIONS.

THE DEVELOPER SHALL BE RESPONSIBLE FOR ALL SURFACE PAVING.
(PROJECT NO: 13855, CONTRACT NO: 9097)

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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			D-3

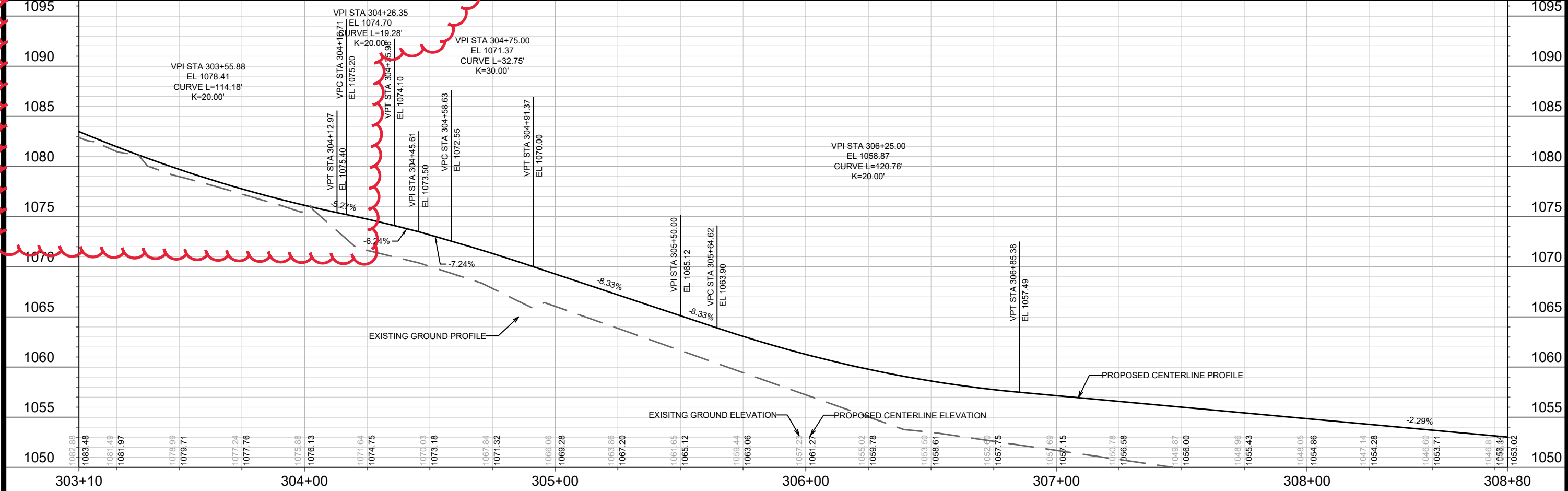
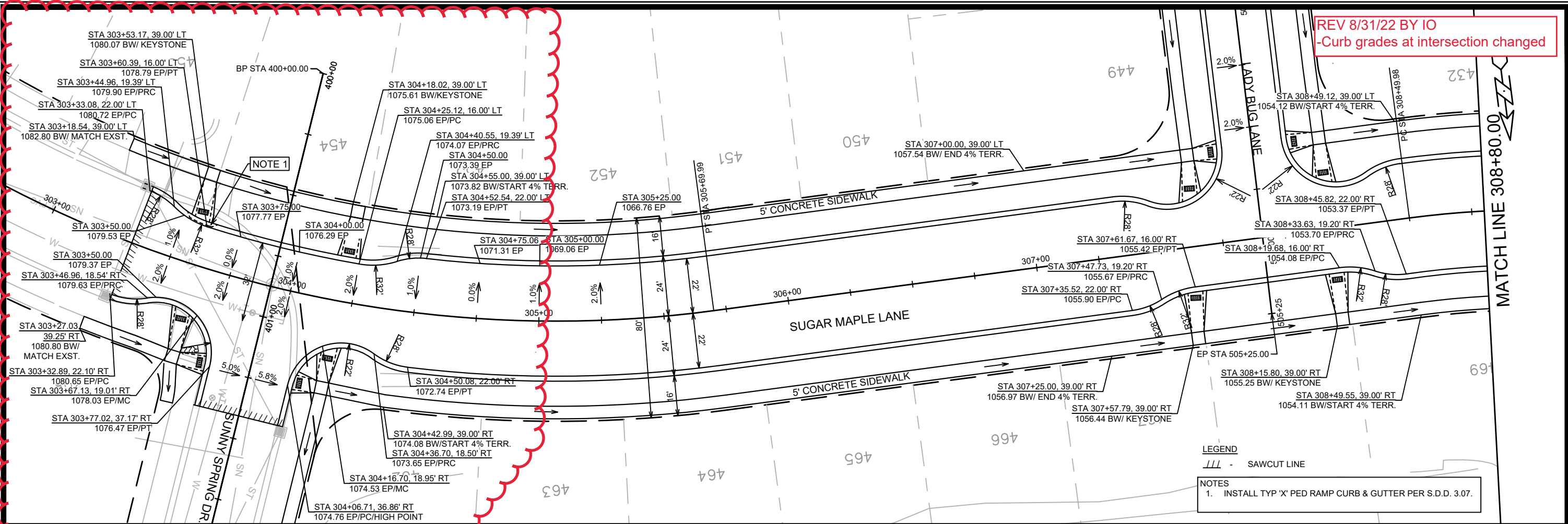
13855
MADISON, WI
CONTRACT NO: 9096

TYPICAL SECTION
WESTERN ADDITION TO 1000 OAKS PHASE 3
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13855
D-3

REV 8/31/22 BY IO
 -Curb grades at intersection changed



LEGEND
 --- SAWCUT LINE

NOTES
 1. INSTALL TYP 'X' PED RAMP CURB & GUTTER PER S.D.D. 3.07.

13855
 MADISON, WI
 CONTRACT NO: 9096

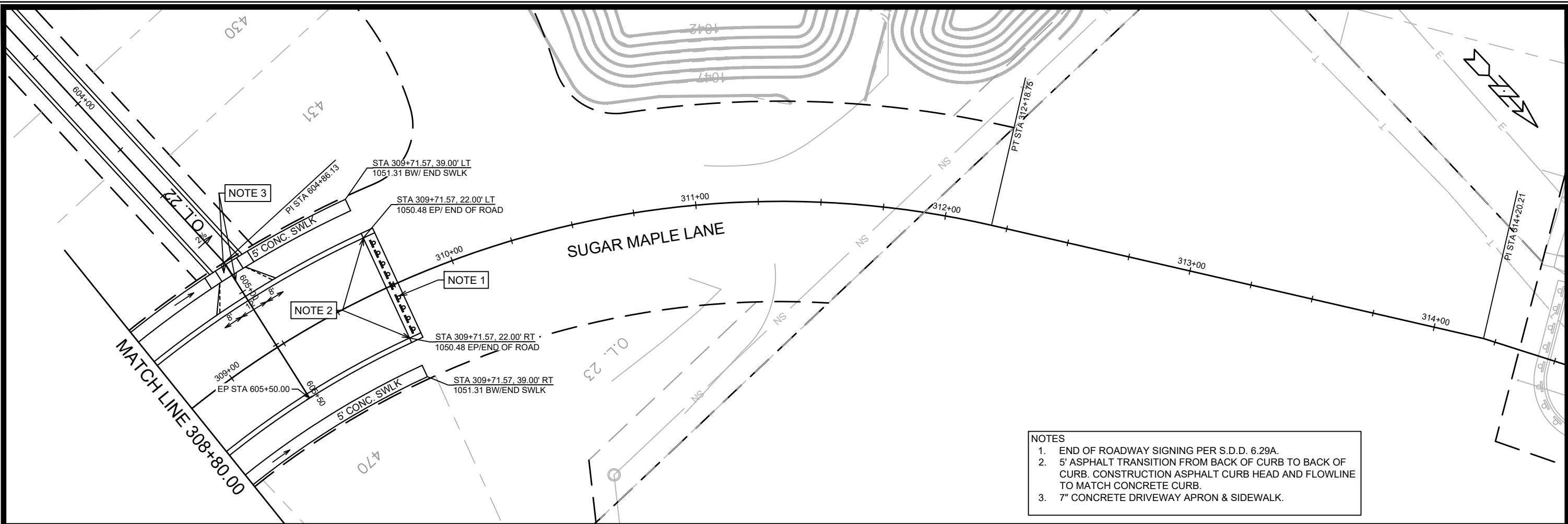
STREET PLAN & PROFILE- SUGAR MAPLE LANE
 WESTERN ADDITION TO 1000 OAKS PHASE 3

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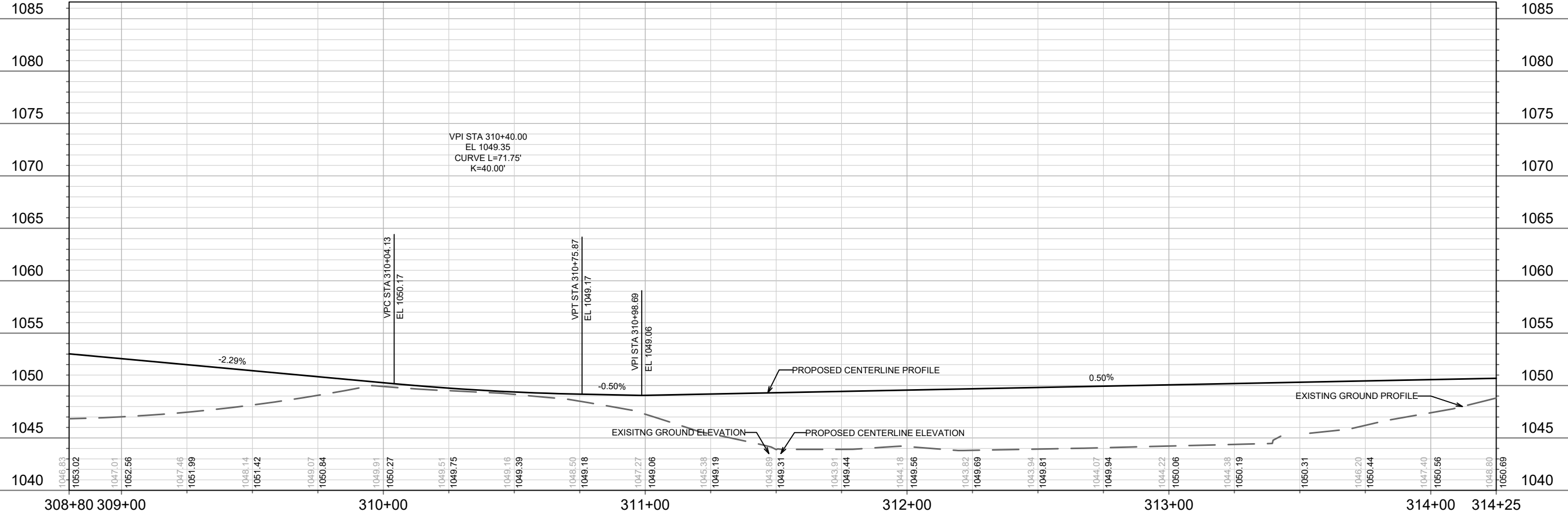
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Scale: 1" = 40'



- 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.
 3. 7" CONCRETE DRIVEWAY APRON & SIDEWALK.



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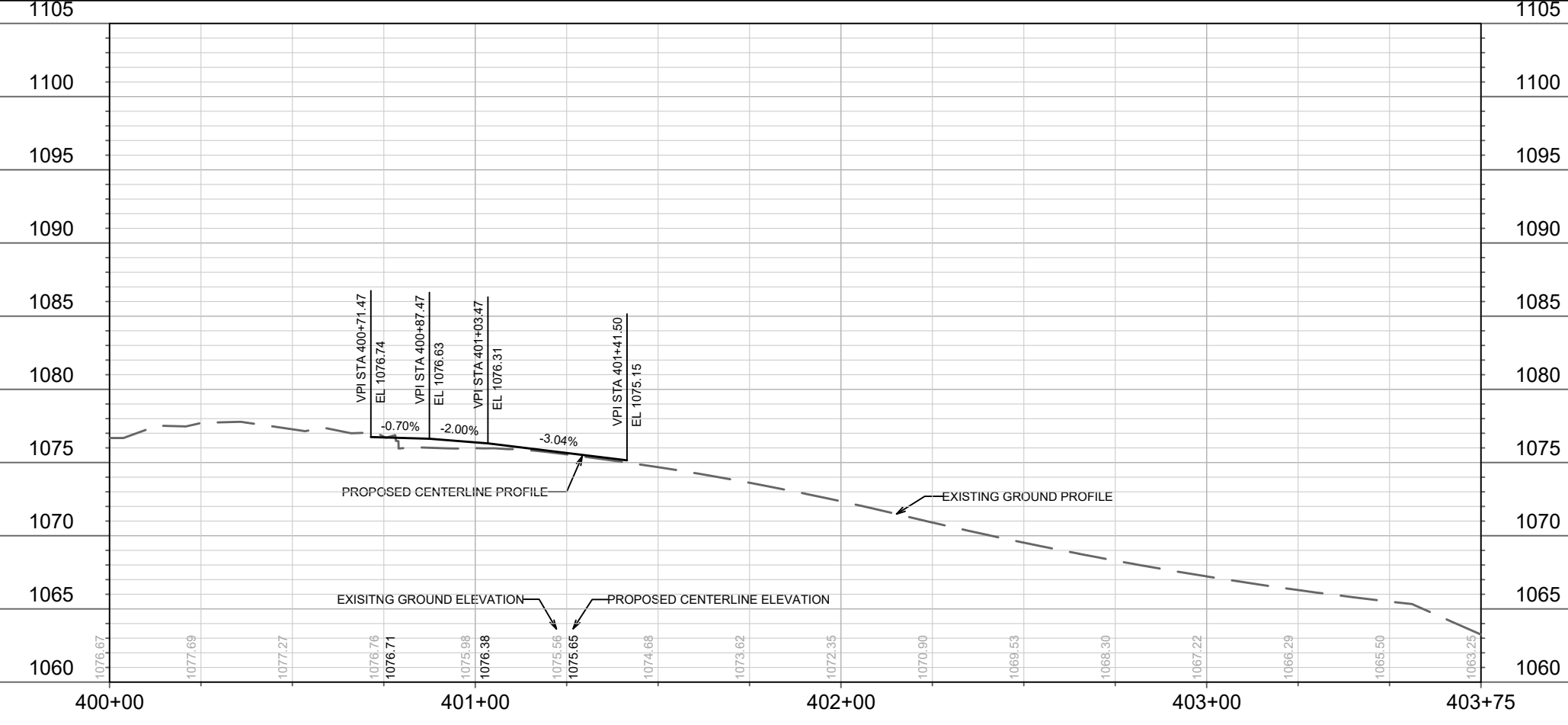
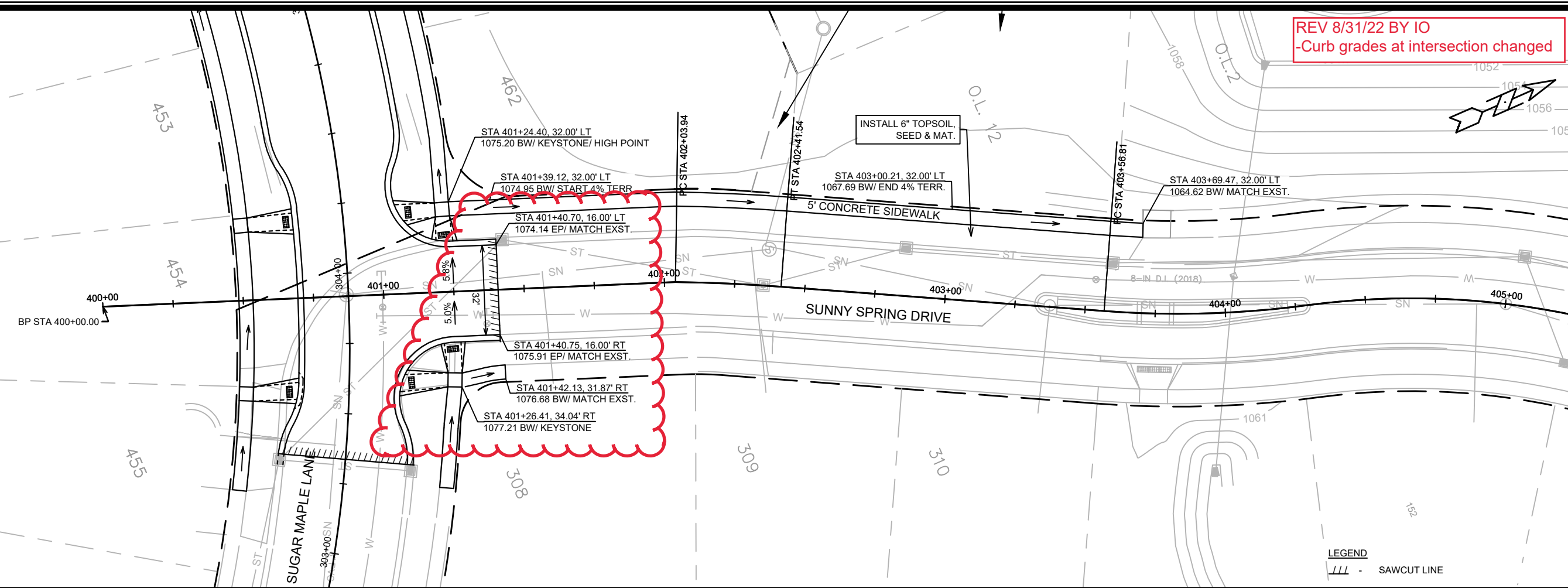
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MADISON, WI
CONTRACT NO: 9096

STREET PLAN & PROFILE- SUGAR MAPLE LANE
WESTERN ADDITION TO 1000 OAKS PHASE 3
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P-2

REV 8/31/22 BY IO
 -Curb grades at intersection changed



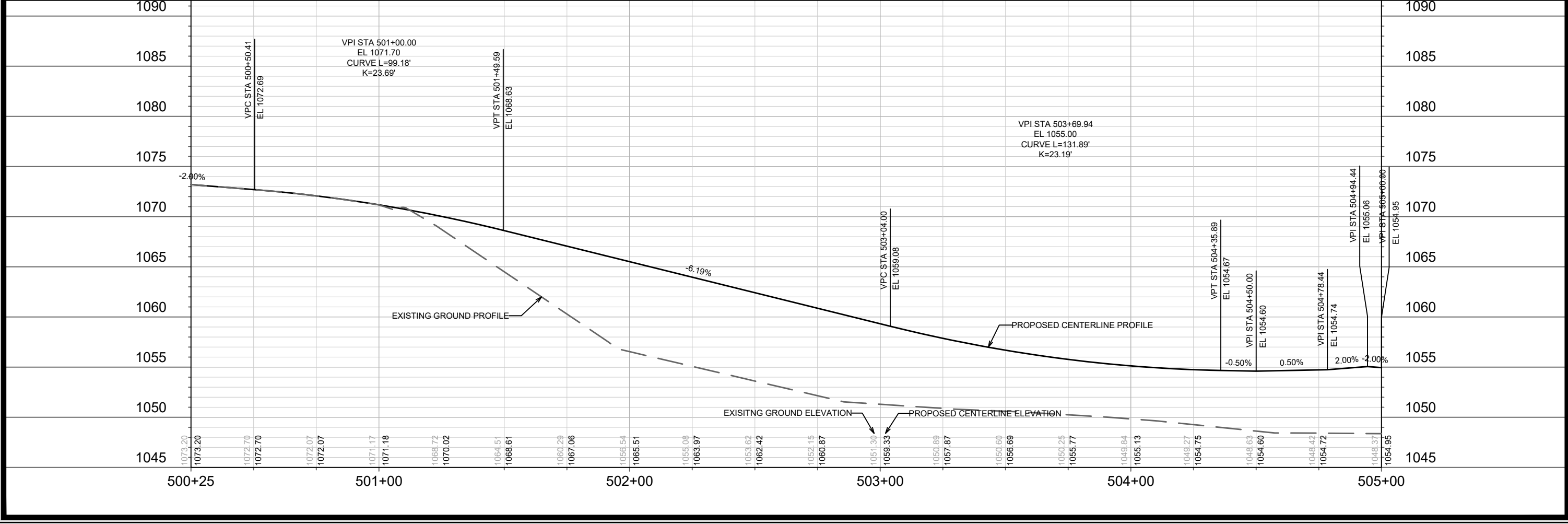
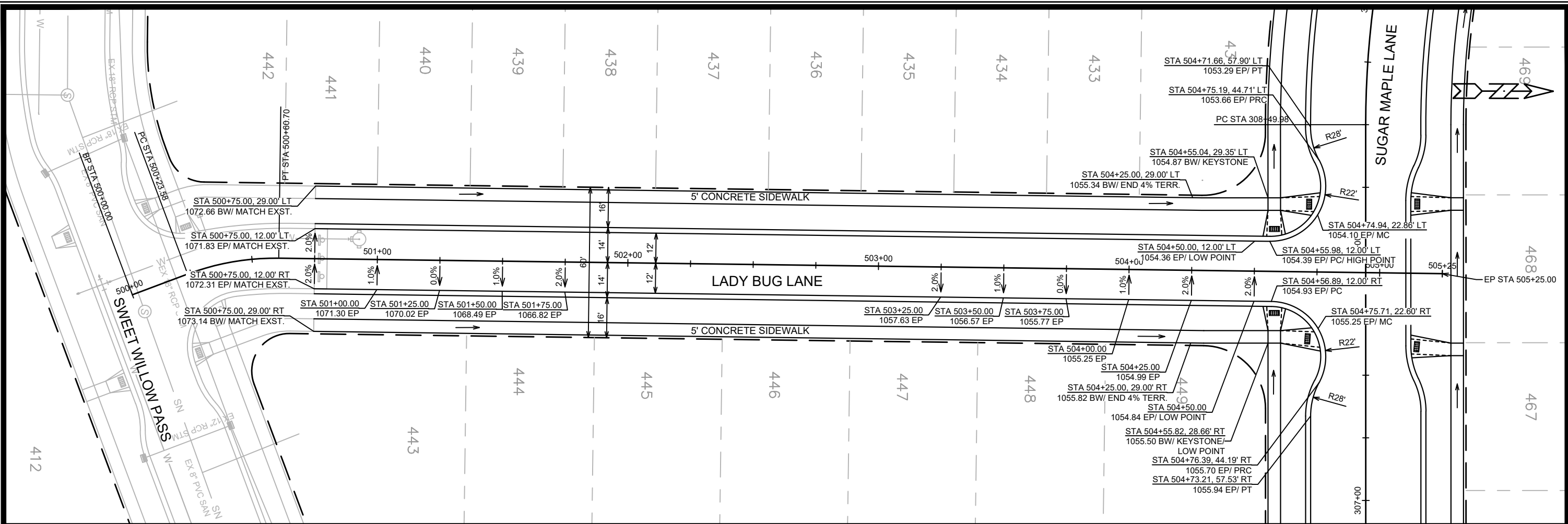
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 MADISON, WI
 CONTRACT NO: 9096

STREET PLAN & PROFILE- SUNNY SPRING DRIVE
 WESTERN ADDITION TO 1000 OAKS PHASE 3
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 P-3



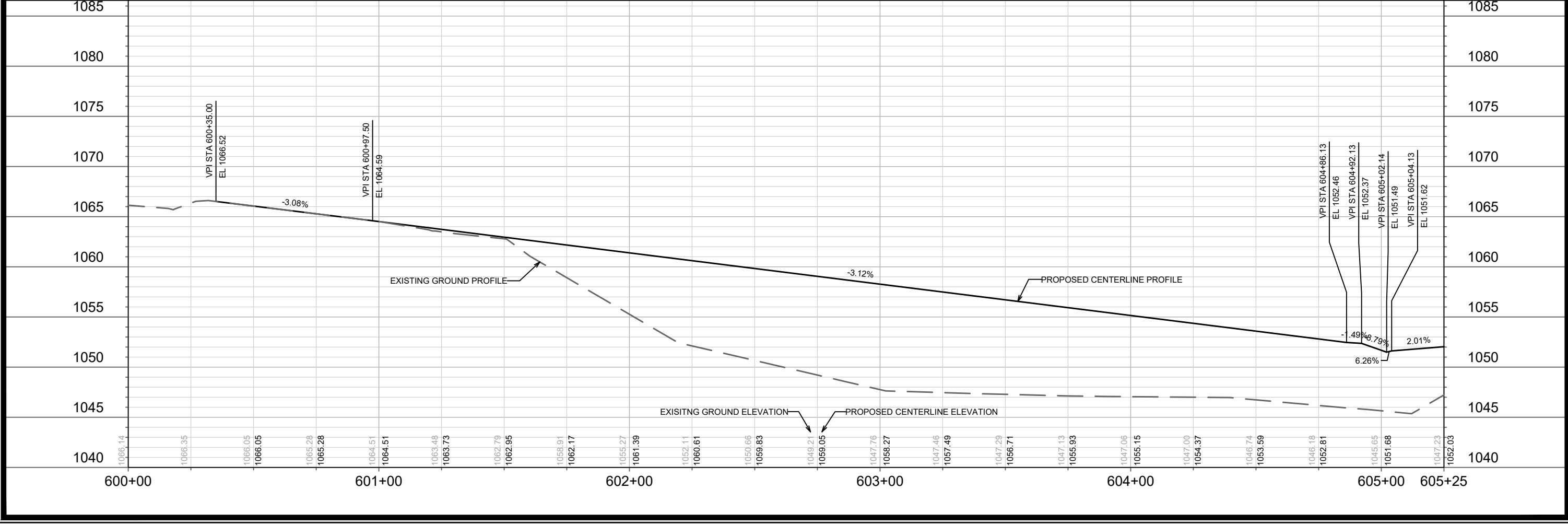
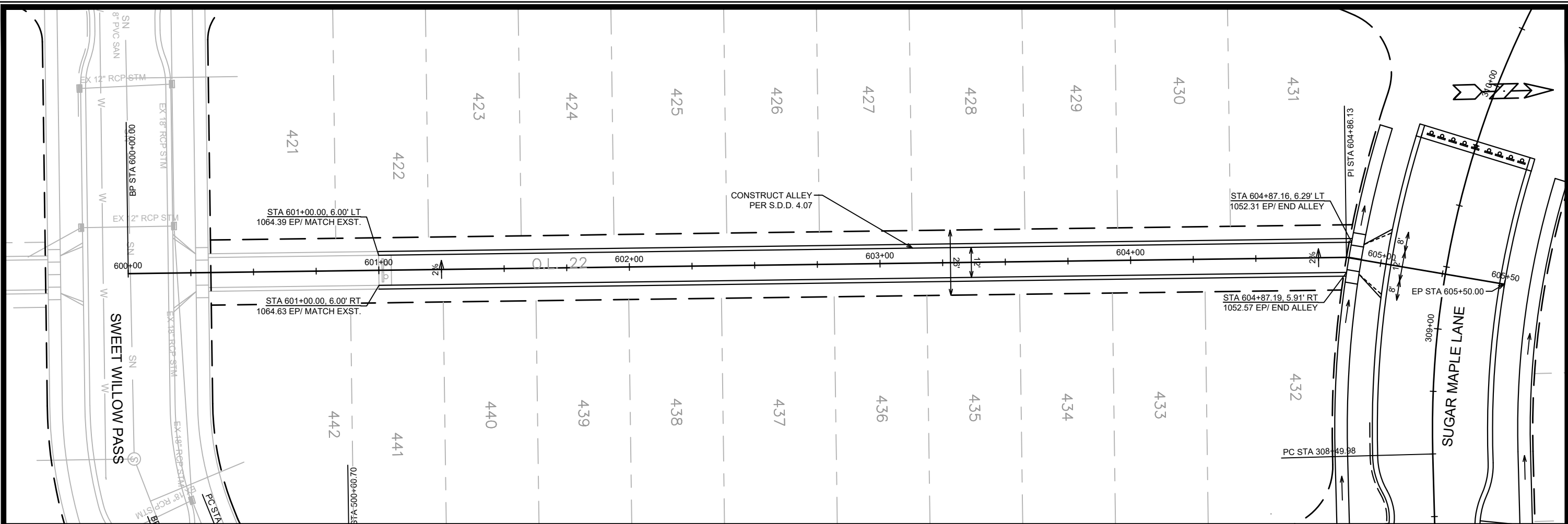
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 MADISON, WI
 CONTRACT NO: 9096

STREET PLAN & PROFILE- LADY BUG LANE
 WESTERN ADDITION TO 1000 OAKS PHASE 3
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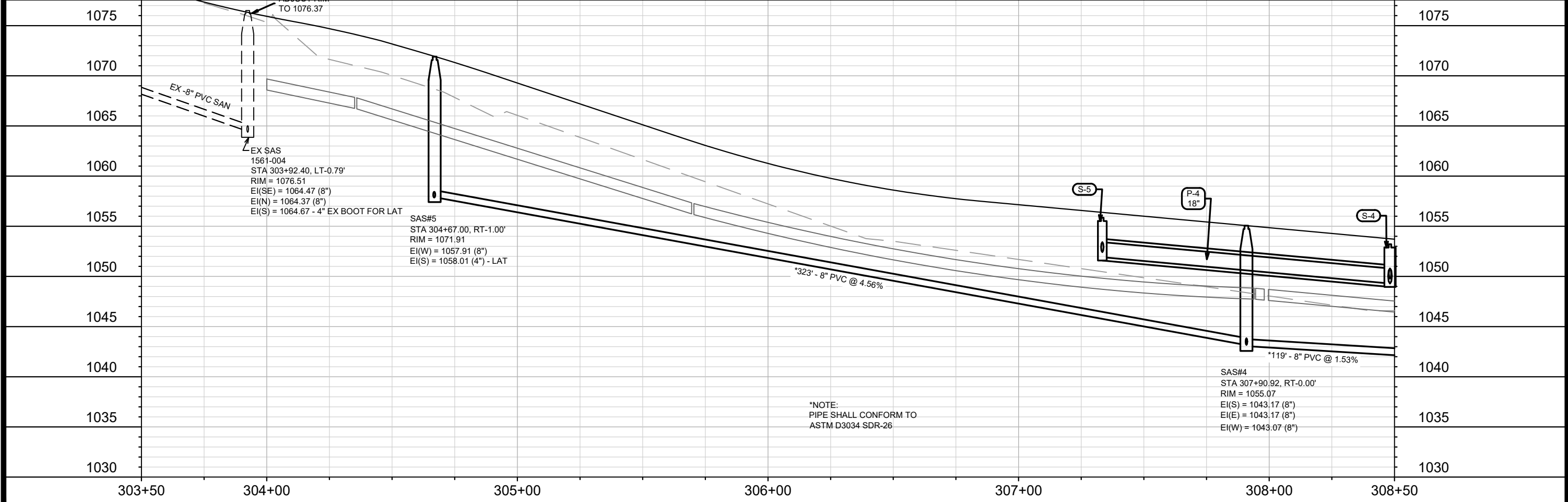
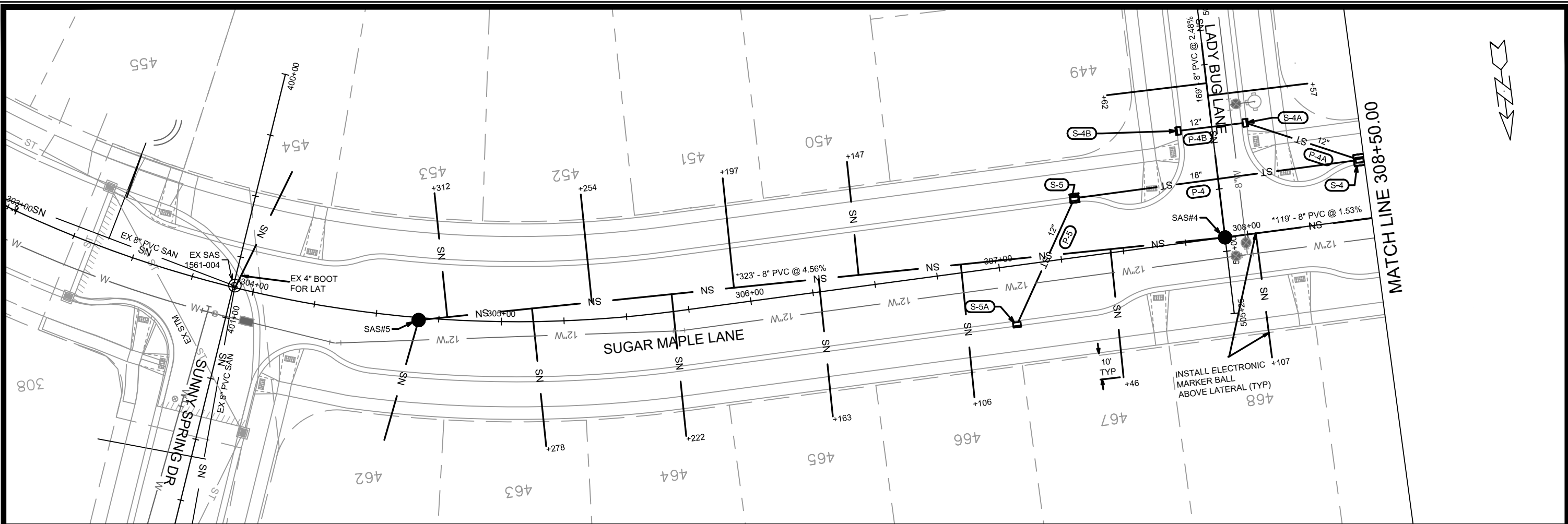


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MADISON, WI
CONTRACT NO: 9096

STREET PLAN & PROFILE- OUTLOT 22
WESTERN ADDITION TO 1000 OAKS PHASE 3
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MADISON, WI
CONTRACT NO.: 9096

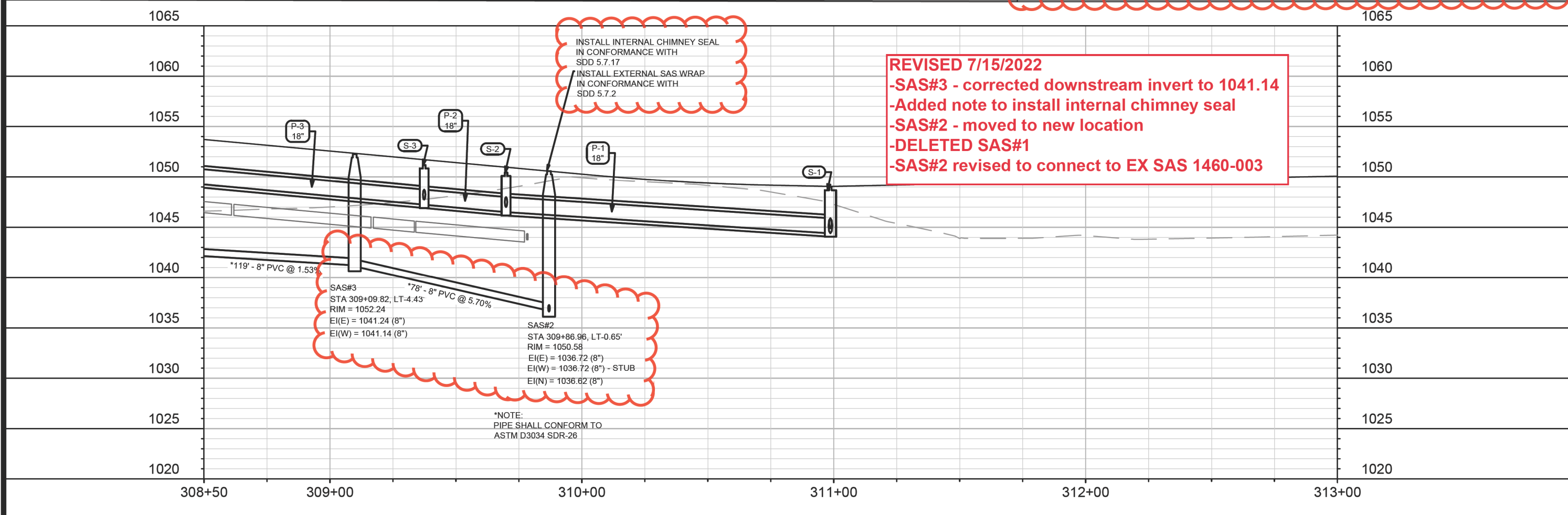
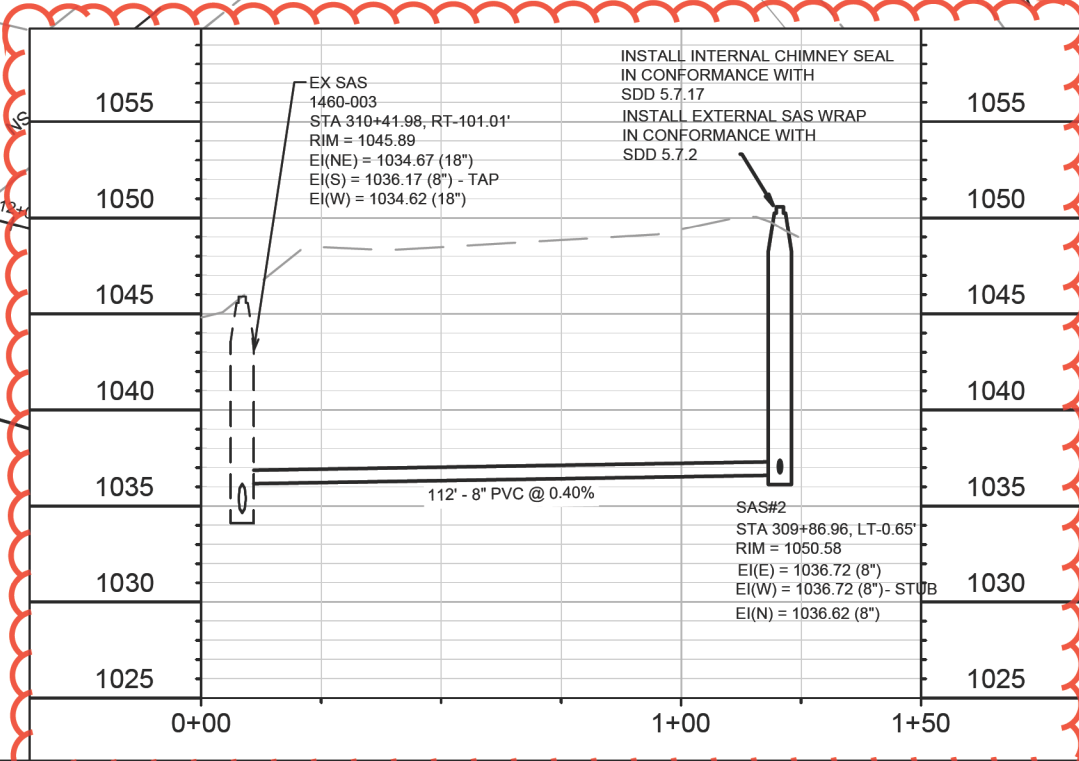
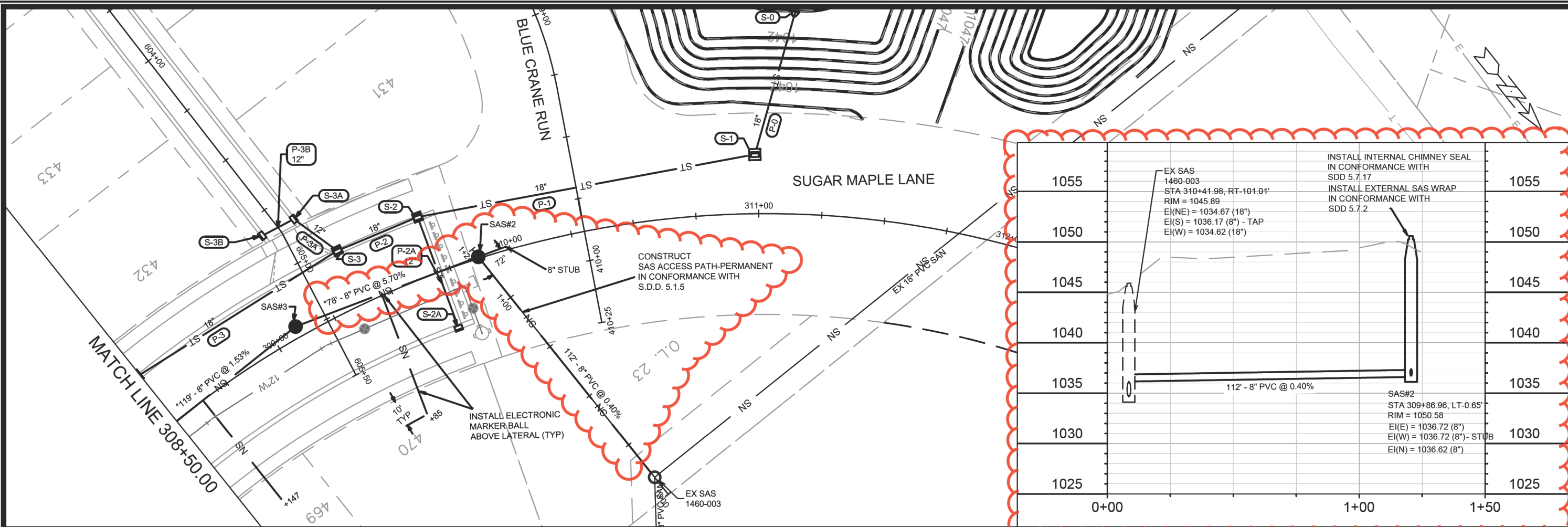
SUGAR MAPLE LANE - UTILITIES PLAN & PROFILE
WESTERN ADDITION TO 1000 OAKS PHASE 3



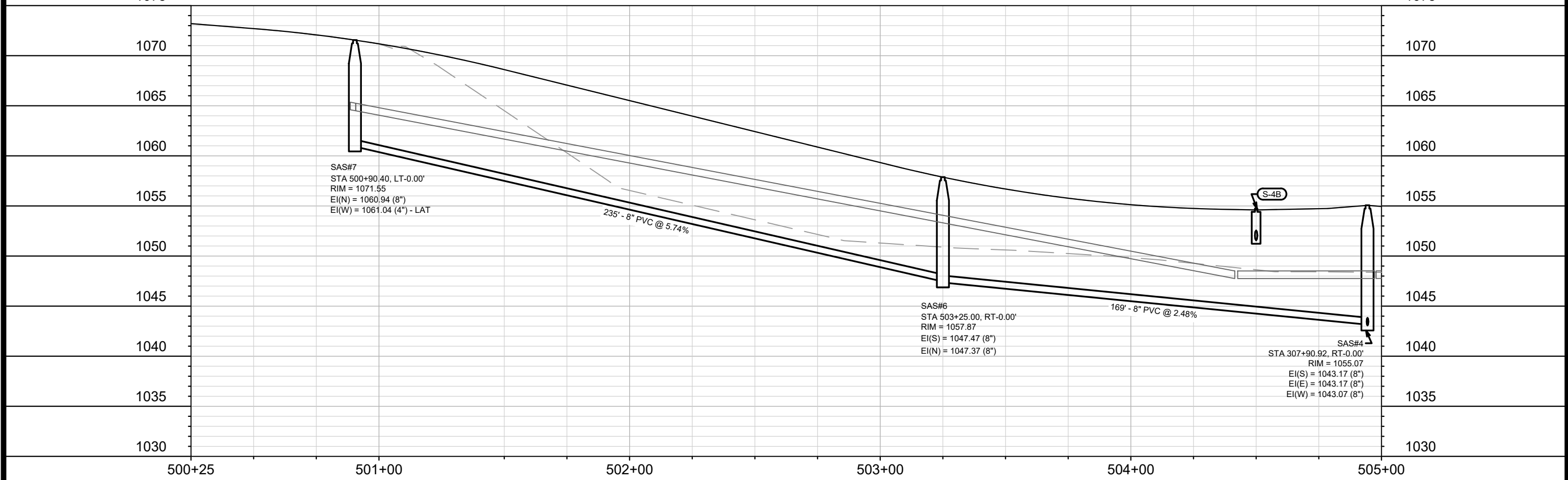
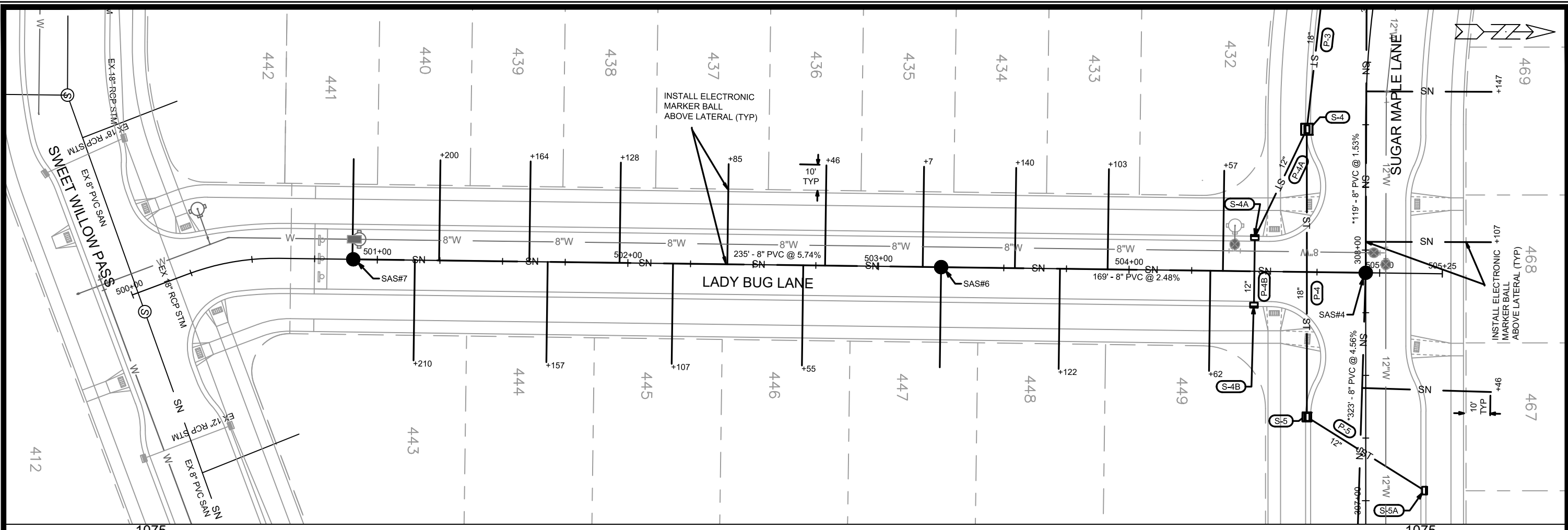
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REVISED 7/15/2022
 -SAS#3 - corrected downstream invert to 1041.14
 -Added note to install internal chimney seal
 -SAS#2 - moved to new location
 -DELETED SAS#1
 -SAS#2 revised to connect to EX SAS 1460-003



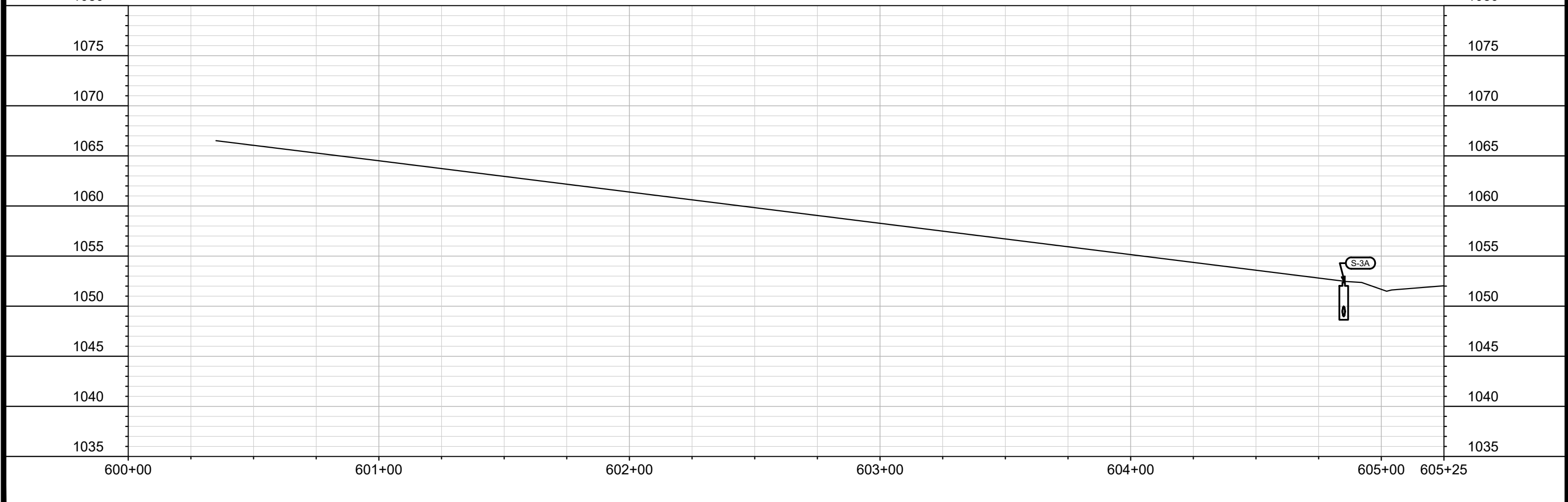
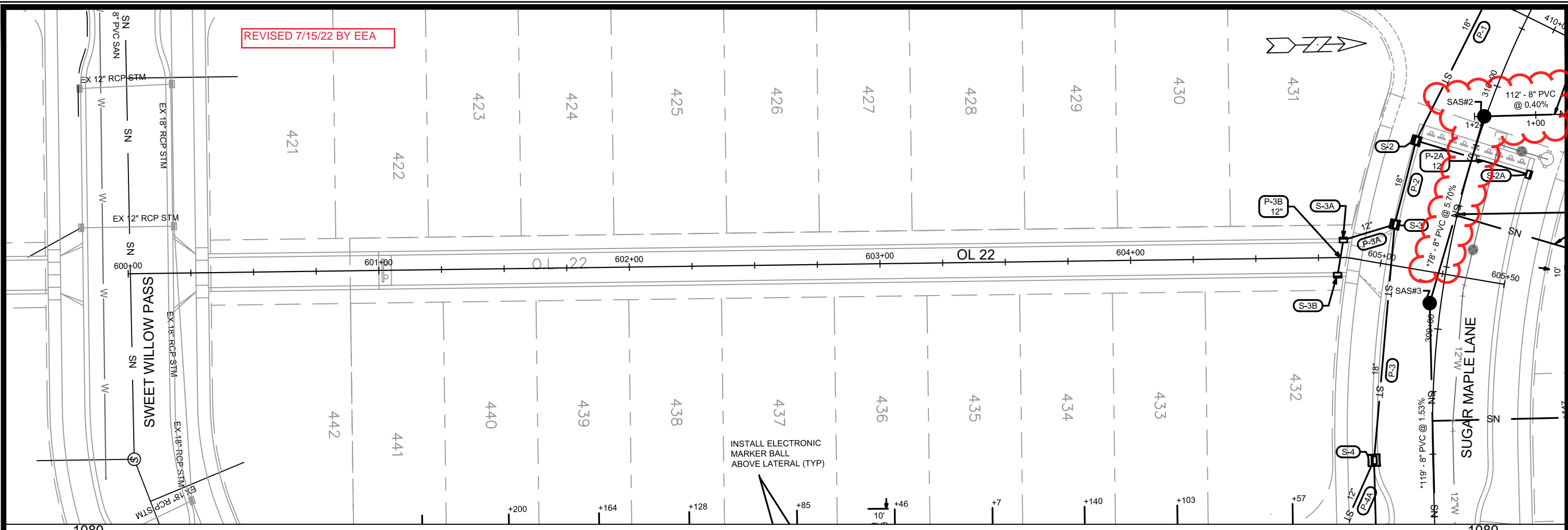
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13855
MADISON, WI
CONTRACT NO: 9096

LADY BUG LANE - UTILITIES PLAN & PROFILE
WESTERN ADDITION TO 1000 OAKS PHASE 3
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MARK	REVISION	DATE	BY
13855	U-4	7/15/2022	EEA

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MADISON, WI
CONTRACT NO: 9096

OL 22 - UTILITIES PLAN & PROFILE
WESTERN ADDITION TO 1000 OAKS PHASE 3
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U-4

SANITARY SEWER SCHEDULE

* REVISED 7/15/2022

WESTERN ADD TO 1000 OAKS PH 3

SHEET NO.

PROJECT NO. 13855

U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

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

* SAS#1	311+79.97	CL	1049.46	1033.86	15.00	5' DIA SAS, (1)
* SAS#2	309+86.96	LT-0.65	1050.58	1036.62	13.96	(1); (2)
* SAS#3	309+09.82	LT-4.43	1052.24	1041.14	11.10	-
SAS#4	307+90.92	CL	1055.07	1043.07	12.00	-
SAS#5	304+67.00	RT-1.00	1071.91	1057.91	14.00	-

LADY BUG LANE

SAS#6	503+25.00	CL	1057.87	1047.37	10.50	-
SAS#7	500+90.40	CL	1071.44	1060.94	10.50	-

ADJUST SANITARY STRUCTURES

STRUC. ID NO.	STATION	LOCATION (OFFSET)	EX. RIM	PROP. RIM	NOTES
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SUGAR MAPLE LANE

1561-004	303+92.40	LT-0.79	1076.48	1076.37	-
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NOTES:

- ALL STRUCTURES SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

(1) INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2

* (2) INSTALL INTERNAL CHIMNEY SEAL IN CONFORMANCE WITH S.D.D. 5.7.17

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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* SAS#1	SAS#2	1035.36	1035.96	130	0.40%	8"	SDR-26	-
* EX SAS 1460-003	SAS#2	1036.17	1036.62	112	0.40%	8"	SDR-26	-
* SAS#2	SAS#3	1036.72	1041.14	78	5.70%	8"	SDR-26	-
SAS#3	SAS#4	1041.24	1043.07	119	1.53%	8"	SDR-26	-
SAS#4	SAS#5	1043.17	1057.91	323	4.56%	8"	SDR-26	-
SAS#4	SAS#6	1043.17	1047.37	169	2.49%	8"	SDR-35	-
SAS#6	SAS#7	1047.47	1060.94	235	5.74%	8"	SDR-35	-

STORM SEWER SCHEDULE

* REVISED 7/12/2022

WESTERN ADD TO 1000 OAKS PH 3	SHEET NO.
PROJECT NO. 13855	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
SUGAR MAPLE LANE							
S-0	311+12.46	LT-80.12	18" RCP APRON END	-	1041.00	-	W/ GATE
S-1	310+98.69	LT-23.50	4X4 SAS	1049.00	1044.40	4.60	LP; W/ R-3067-7004-VB; (1); (3)
S-2	309+69.90	LT-23.50	3X3 SAS	1050.90	1046.50	4.40	W/ R-3067-7004-V
S-2A	309+69.90	RT-23.50	H INLET	1050.90	1047.30	3.60	W/ R-3067-7004-V
S-3	309+37.40	LT-23.50	3X3 SAS	1051.64	1047.24	4.40	W/ R-3067-7004-V
S-4	308+48.20	LT-23.50	4X4 SAS	1053.69	1049.29	4.40	W/ R-3067-7004-V
S-5	307+33.40	LT-23.50	3X3 SAS	1056.32	1051.92	4.40	W/ R-3067-7004-V
S-5A	307+04.00	RT-23.50	H INLET	1057.00	1052.72	4.28	W/ R-3067-7004-V

LADY BUG LANE

S-4A	504+50.00	LT-13.50	H INLET	1054.74	1051.14	3.60	LP; W/ R-3067-7004-VB
S-4B	504+50.00	RT-13.50	H INLET	1055.22	1051.56	3.66	LP; W/ R-3067-7004-VB

OL 22

S-3A	604+85.00	LT-6.75	H INLET	1052.38	1048.98	3.40	W/ R-3362-L; PER SDD 5.7.33; (2)
S-3B	604+82.50	RT-6.75	H INLET	1052.69	1049.29	3.40	W/ R-3362-L; PER SDD 5.7.33; (2)

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
SUGAR MAPLE LANE										
P-0	S-0	S-1	1041.00	1044.40	59	57	5.96%	18"	TYPE II	-
P-1	S-1	S-2	1044.40	1046.50	136	133	1.58%	18"	TYPE I	-
P-2	S-2	S-3	1046.50	1047.24	35	32	2.31%	18"	TYPE II	-
P-2A	S-2	S-2A	1047.00	1047.30	47	45	0.67%	12"	TYPE I	-
P-3	S-3	S-4	1047.24	1049.29	94	91	2.25%	18"	TYPE I	-
P-4	S-4	S-5	1049.29	1051.92	115	111	2.37%	18"	TYPE I	-
P-5	S-5	S-5A	1052.42	1052.72	55	52	0.58%	12"	TYPE I	-
LADY BUG LANE										
P-4A	S-4	S-4A	1049.79	1051.14	48	45	3.00%	12"	TYPE II	-
P-4B	S-4A	S-4B	1051.14	1051.56	27	25	1.68%	12"	TYPE I	-
OL 22										
P-3A	S-3	S-3A	1047.74	1048.98	21	18	6.89%	12"	TYPE II	-
P-3B	S-3A	S-3B	1048.98	1049.29	14	12	2.58%	12"	TYPE I	-

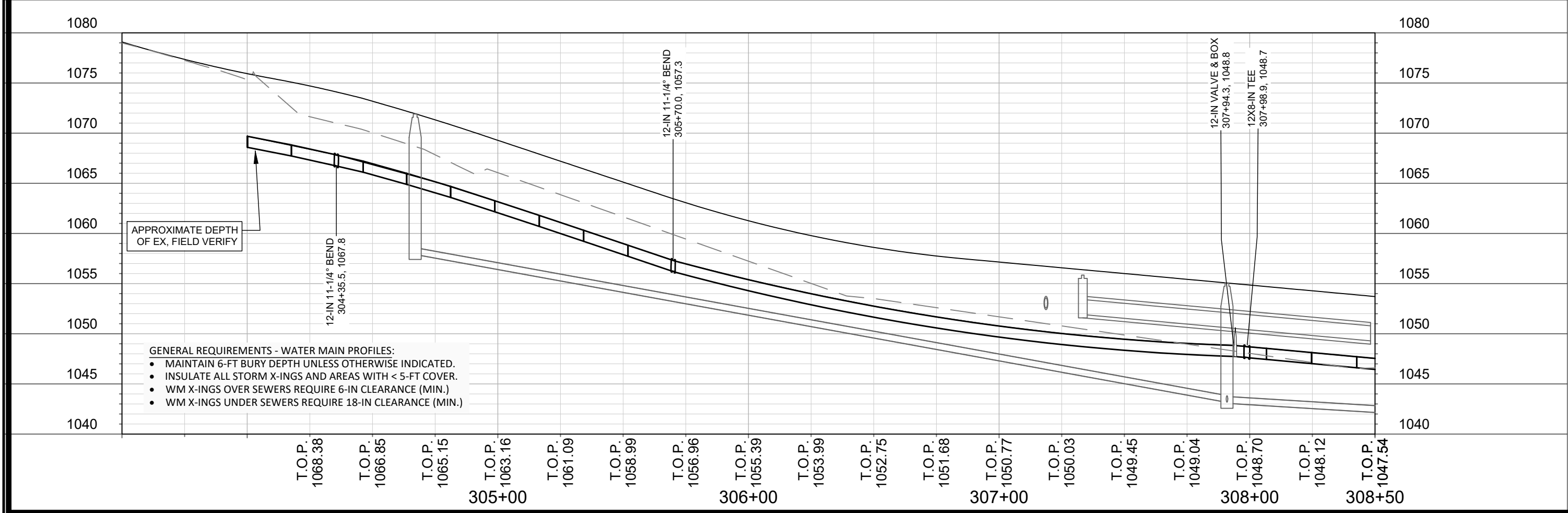
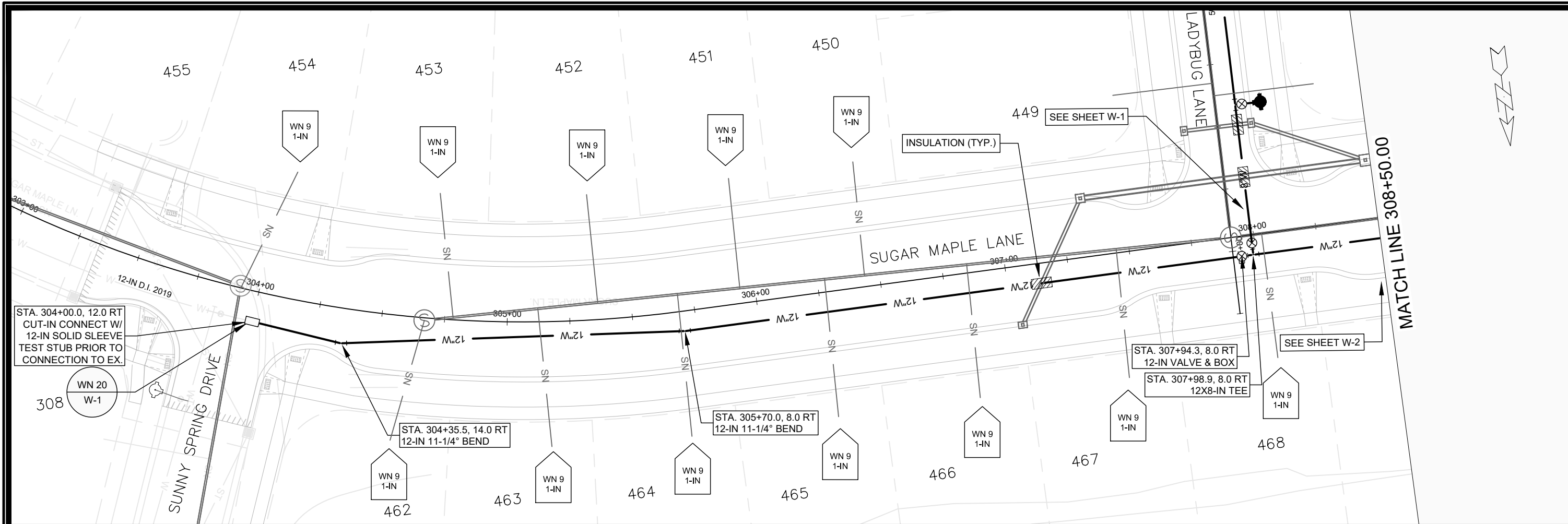
SPECIFIC NOTES:

- (1) INSTALL LOW POINT PVC DRAIN; SEE S.D.D. 5.7.7A
- (2) TC IS AT FLOWLINE; STATIONING IS TO CENTER OF STRUCTURE
- * (3) BOX OUT TO ~~SOUTH~~ FOR FUTURE 12" AT EI = 1044.90
NORTH

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

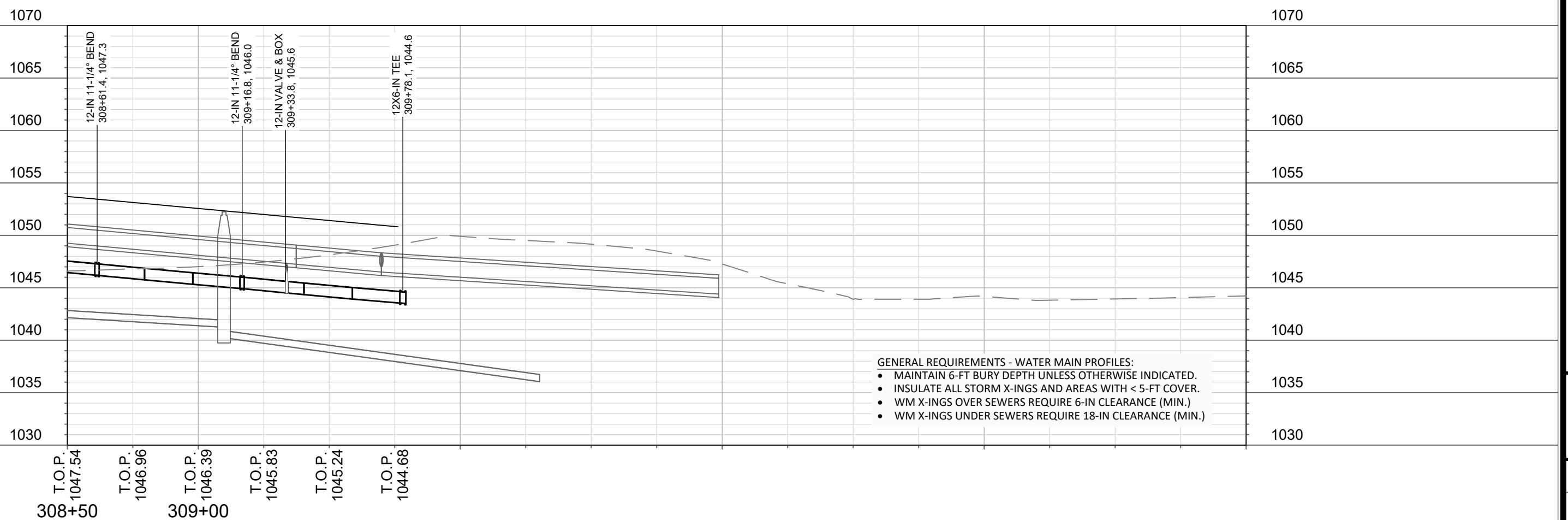
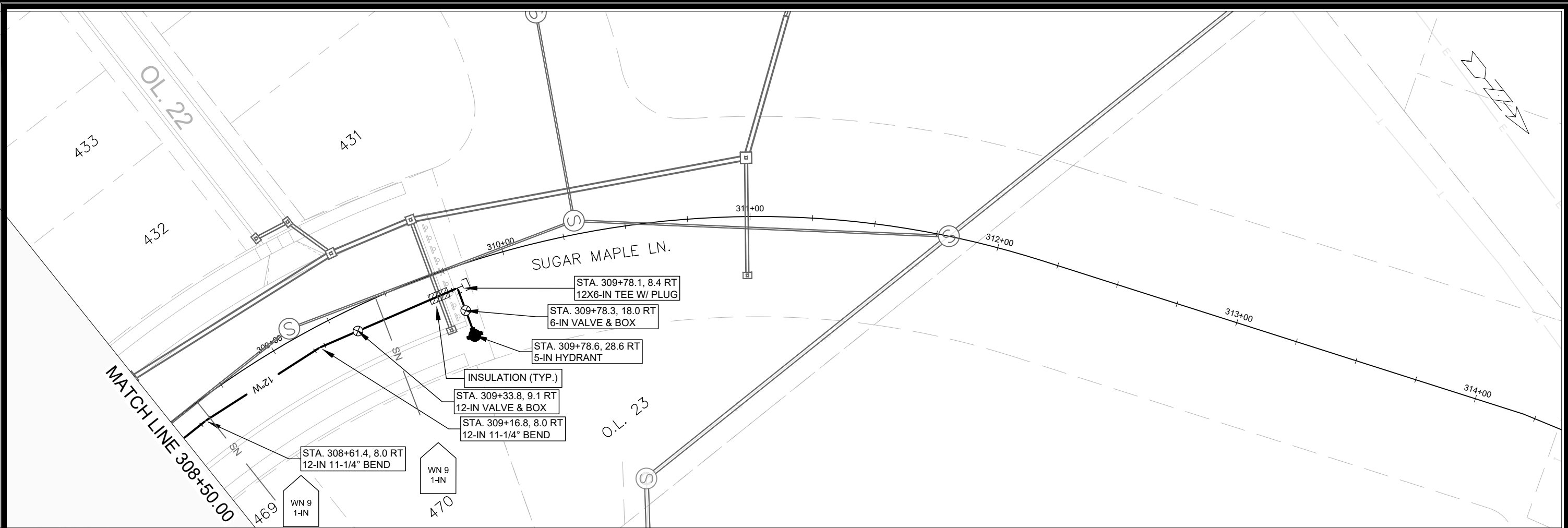


SCALE: 1" = 40'
 DESIGNED BY: TDP
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/24/22

CONTRACT NO: 9096

WESTERN ADDITION TO 1000 OAKS PHASE 3
SUGAR MAPLE LANE - WATER PLAN & PROFILE
CITY OF MADISON, WISCONSIN

13855
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.)

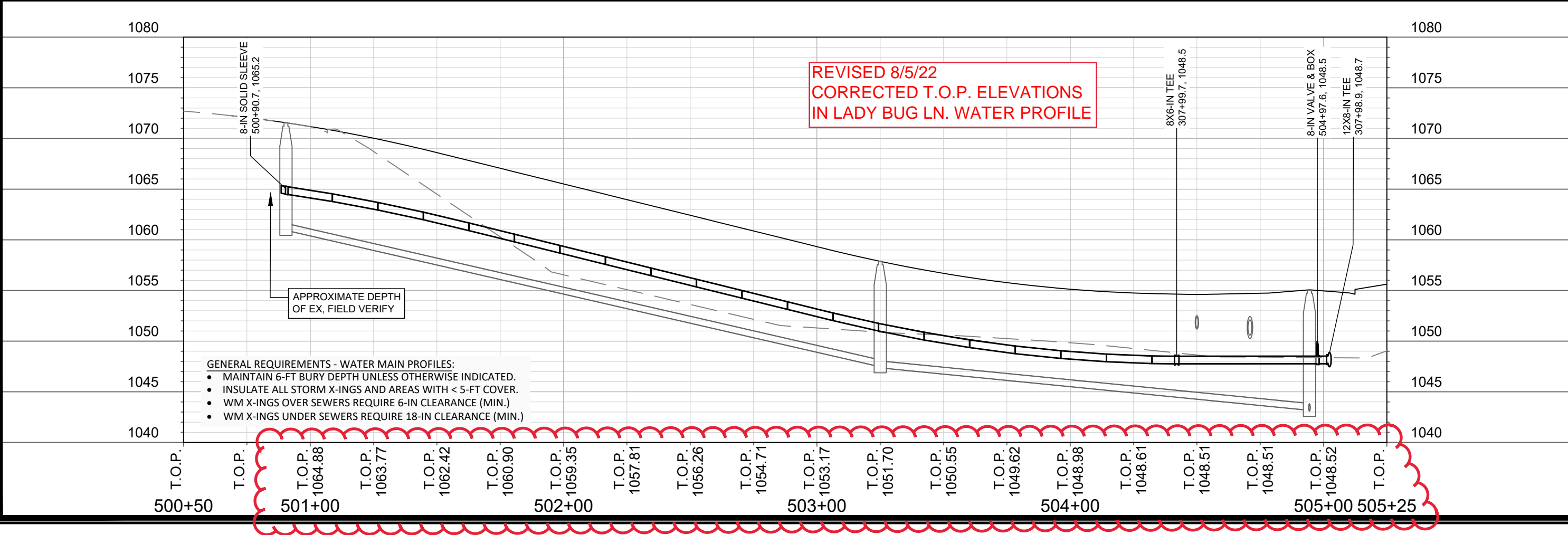
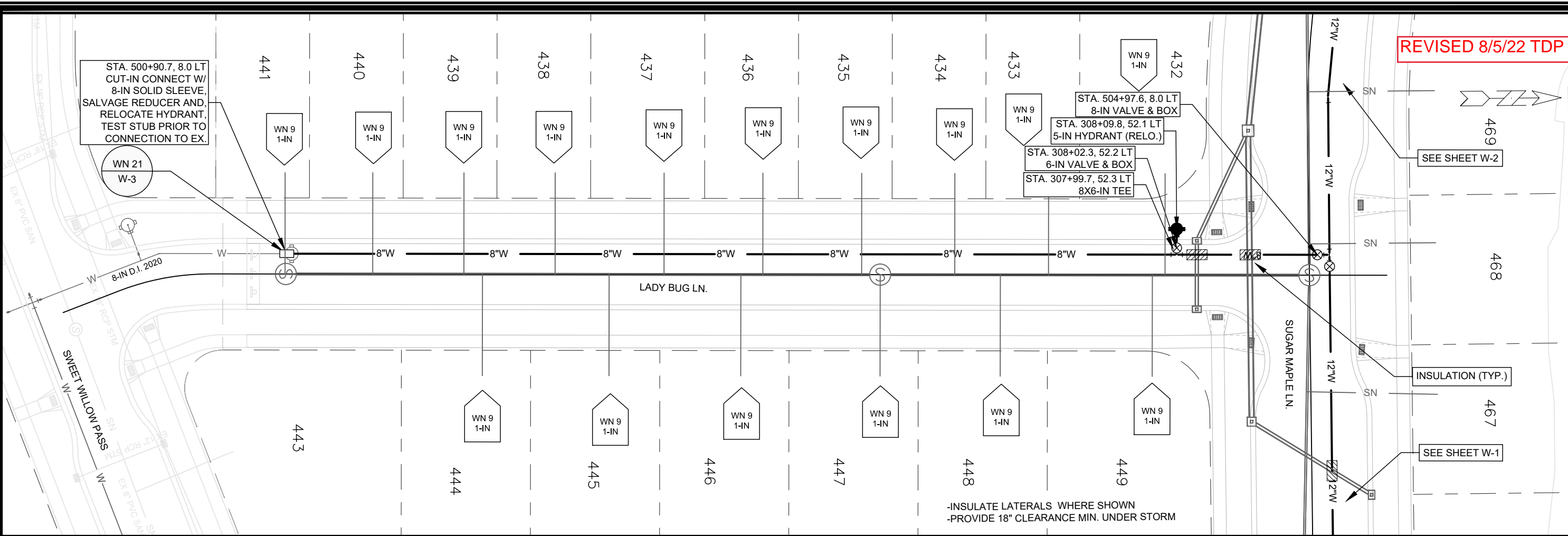
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 DESIGNED BY: TDP
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/24/22

CONTRACT NO: 9096

WESTERN ADDITION TO 1000 OAKS PHASE 3
 SUGAR MAPLE LANE - WATER PLAN & PROFILE
 CITY OF MADISON, WISCONSIN



13855
 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.)

REVIS 8/5/22 TDP

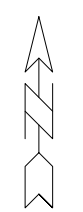
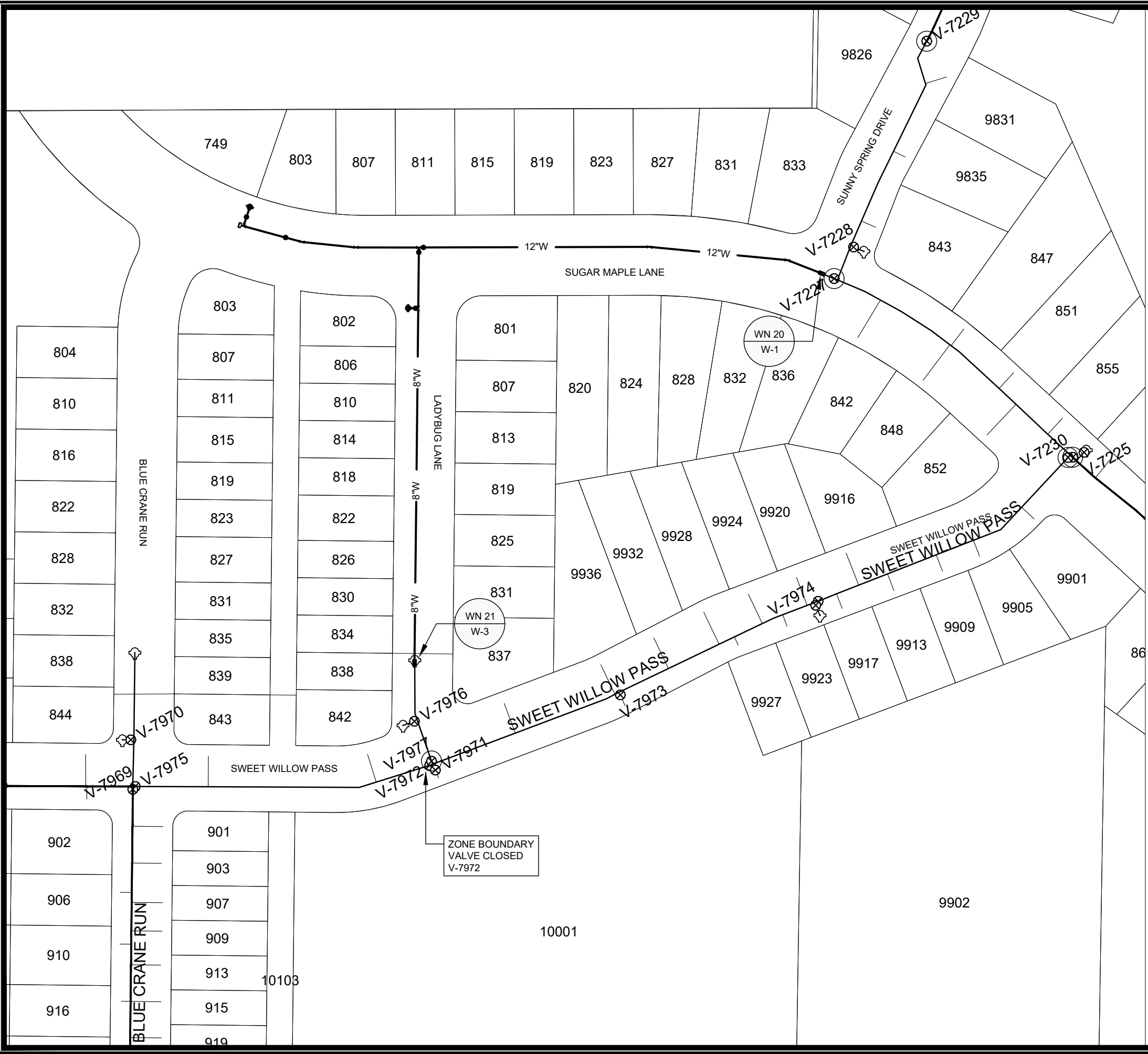
**REVIS 8/5/22
CORRECTED T.O.P. ELEVATIONS
IN LADY BUG LN. WATER PROFILE**

SCALE: 1" = 40'
DESIGNED BY: TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 8/5/22

CONTRACT NO: 9096

**WESTERN ADDITION TO 1000 OAKS PHASE 3
LADYBUG LANE - WATER PLAN & PROFILE
CITY OF MADISON, WISCONSIN**

**13855
W-3**



1" = 100'



WN20 W-1 CUT-IN CONNECT TO EXISTING 12-IN AT SUGAR MAPLE LANE & SUNNY SPRING DRIVE
 ISOLATION VALVE: V-7227 AT SUGAR MAPLE LANE & SUNNY SPRING DRIVE, SEE MAP FOR ADDITIONAL ISOLATION VALVES, AS NEEDED FOR SAFETY
 NOTIFY: NONE

WN21 W-3 CUT-IN CONNECT TO EXISTING 8-IN AT LADYBUG LANE & SWEET WILLOW PASS
 ISOLATION VALVE: V-7997 AT LADYBUG LANE & SWEET WILLOW PASS
 NOTIFY: NONE

NOTE: V-7972 IS PRESSURE ZONE BOUNDARY VALVE, NORMALLY CLOSED

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'
 DESIGNED BY: TDP
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 04/20/22

WESTERN ADDITION TO 1000 OAKS PHASE 3
 WATER IMPACT PLAN
CITY OF MADISON, WISCONSIN
 CONTRACT NO: 9096



13855
 W-4



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 PREPARATION. CONTRACTOR IS RESPONSIBLE FOR 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> |
|---|---|

WATER UTILITY ULO SCHEDULE

ULO	UTILITY	STATION	OFFSET	SHEET
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***ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	20	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	420	LNFT
70005	FURNISH AND INSTALL 12-INCH PIPE & FITTINGS	600	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	2	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	1	EACH
70034	FURNISH AND INSTALL 12-INCH WATER VALVE	2	EACH
70040	FURNISH AND INSTALL AND SALVAGE HYDRANT	2	EACH
70050	FURNISH AND INSTALL 1-INCH SERVICE LATERALS	30	EACH
70101	FURNISH AND INSTALL STYROFOAM	4	EACH
71016	12-IN MJ PLUG	1	EACH
71026	8-IN SOLID SLEEVE	1	EACH
71028	12-IN SOLID SLEEVE	1	EACH
71149	12-IN 11-1/4° BEND	4	EACH
71210	8X6-IN TEE	1	EACH
71217	12X6-IN TEE	1	EACH
71218	12X8-IN TEE	1	EACH

***ESTIMATE OF MATERIALS SALVAGED:**

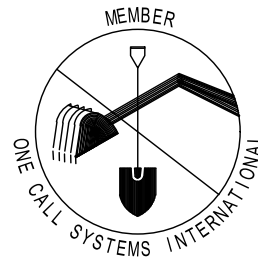
SALVAGE AND RELOCATE EXISTING HYDRANT	1	EACH
SALVAGE EXISTING 8X6 REDUCER	1	EACH

* 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.

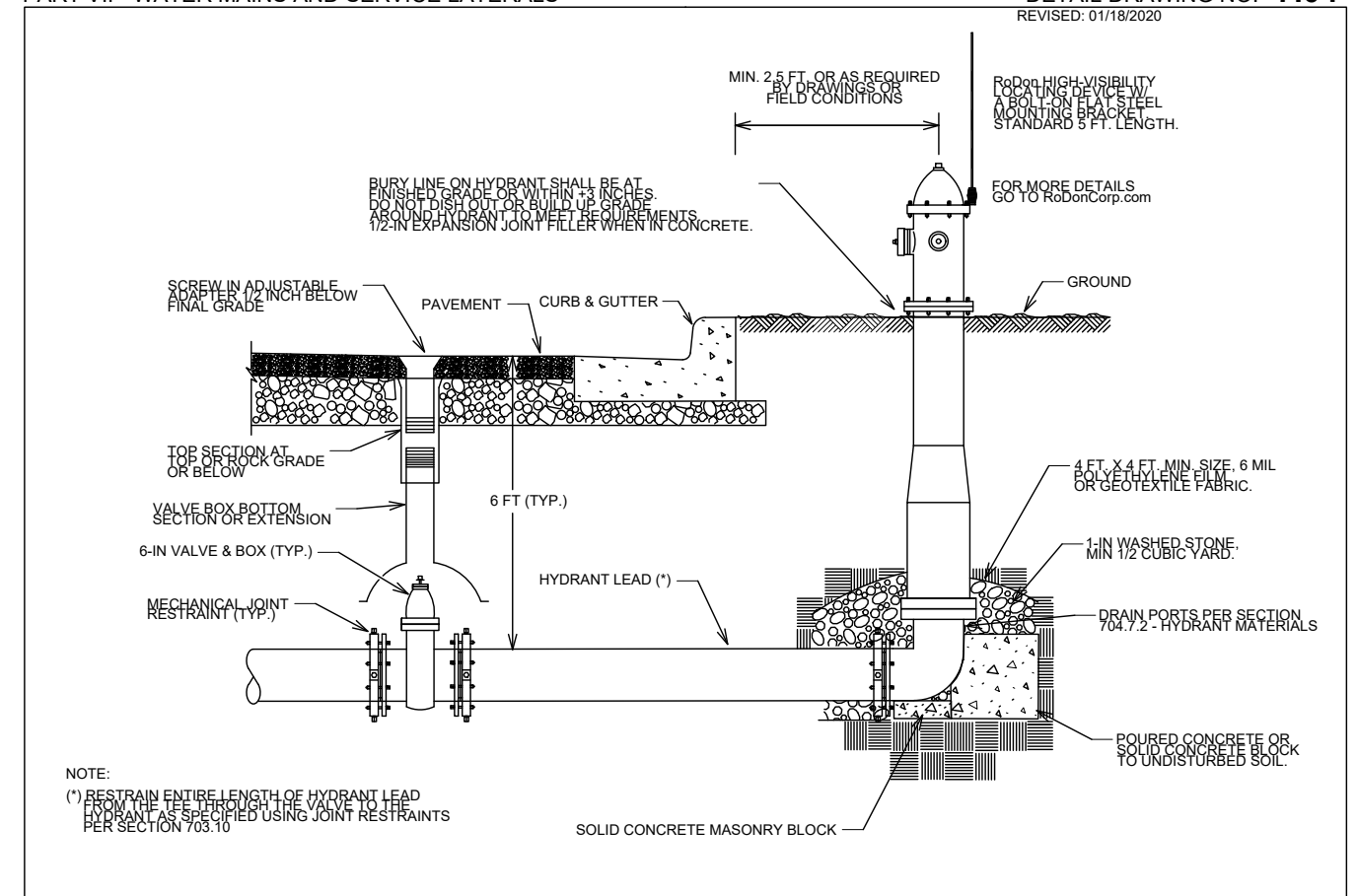


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 01/18/2020



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

WESTERN ADDITION TO 1000 OAKS PHASE 3

WATER ESTIMATE OF MATERIALS

CITY OF MADISON, WISCONSIN

SCALE: N/A

DESIGNED BY: TDP

MADISON WATER UTILITY

119 E OLIN AVE, MADISON, WI 53713

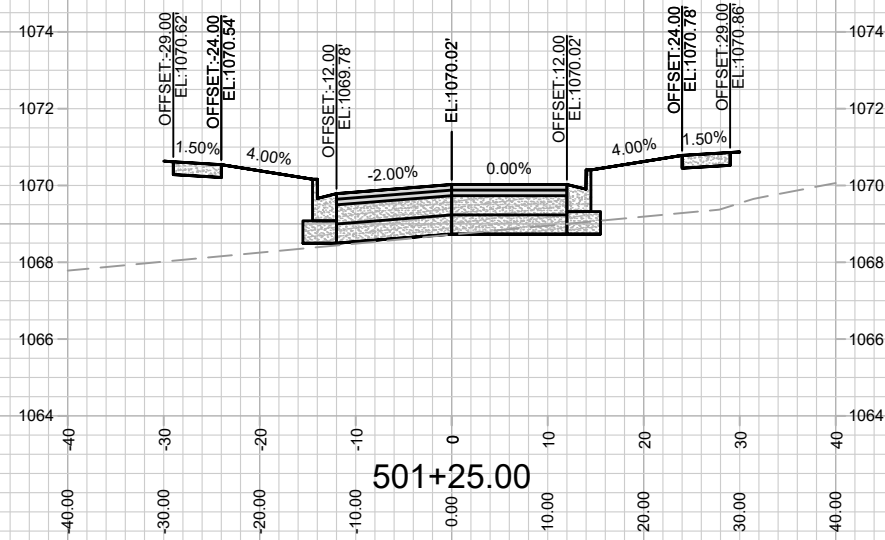
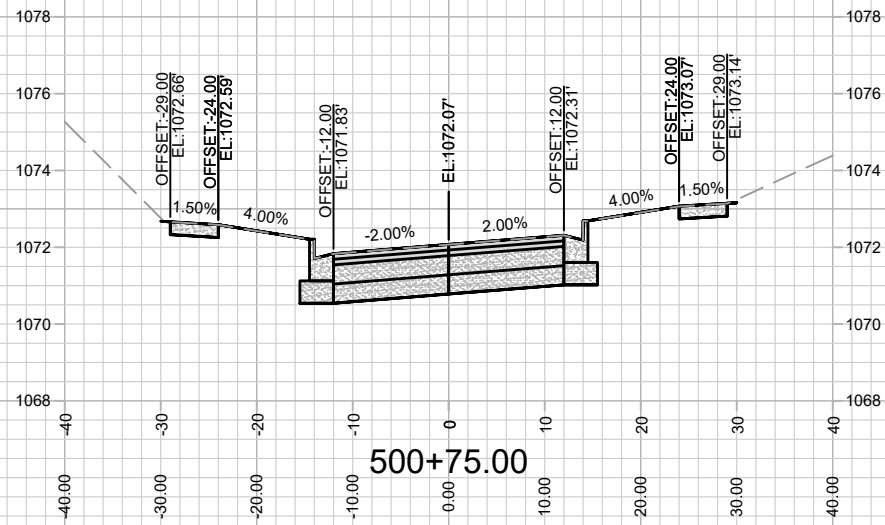
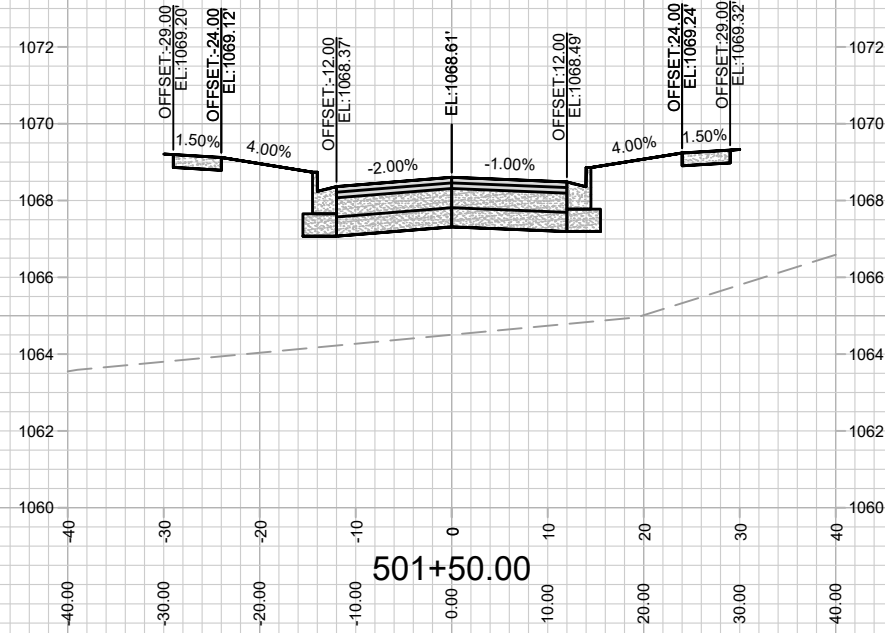
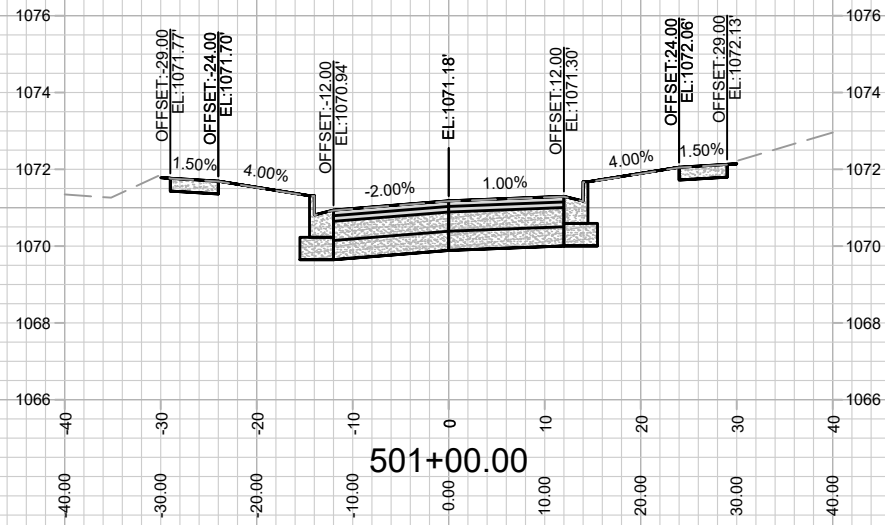
PRINTING DATE: 6/9/22

CONTRACT NO: 9096



13855

W-5



MARK	REVISION	DATE	BY

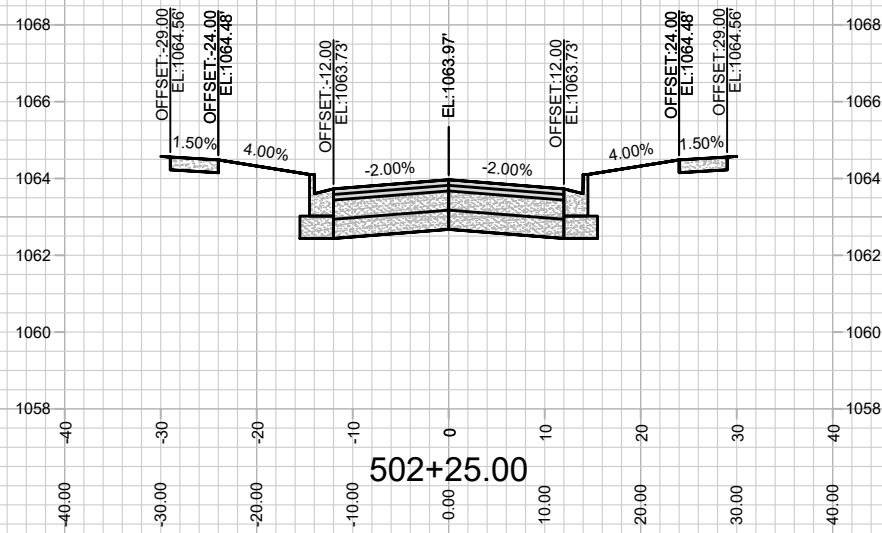
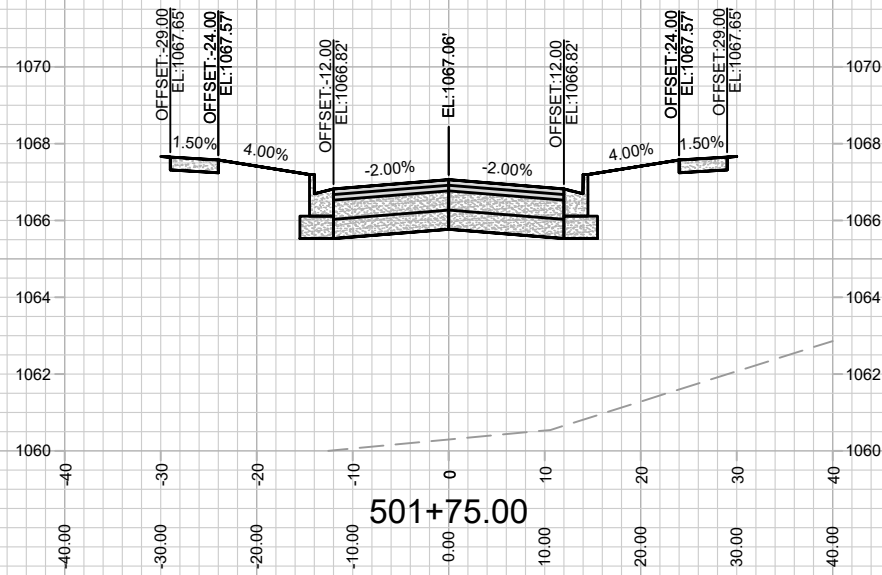
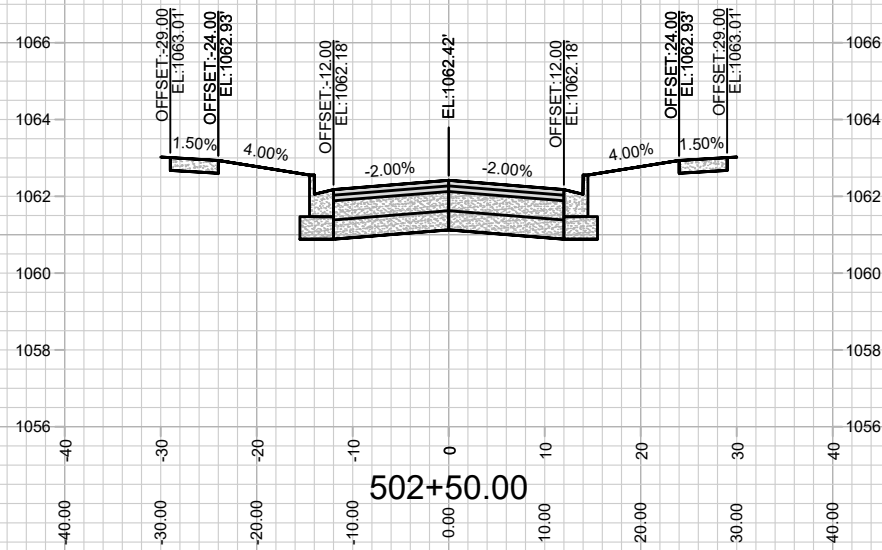
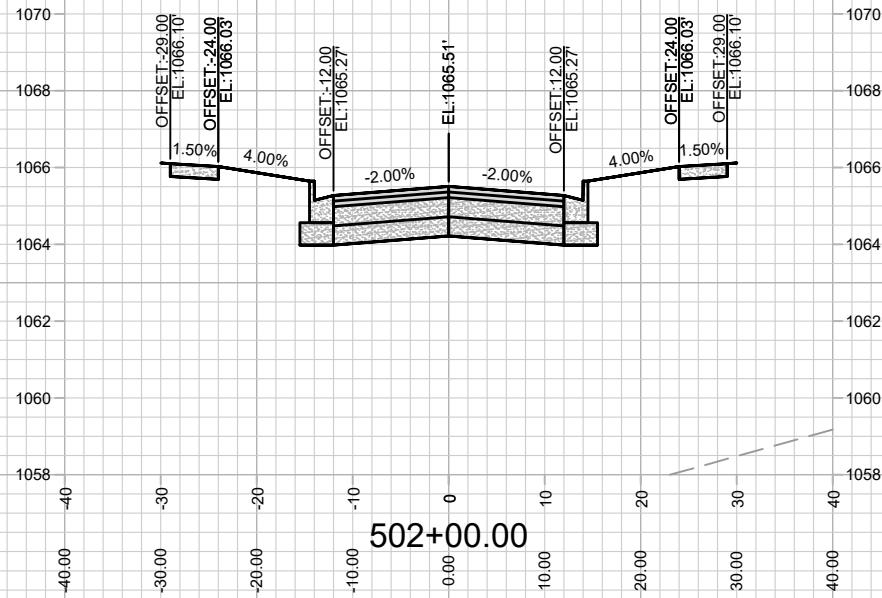
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13855
MADISON, WI
9096
CONTRACT NO:

CROSS SECTIONS- LADY BUG LANE
WESTERN ADDITION TO 1000 OAKS PHASE 3
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13855
X-1



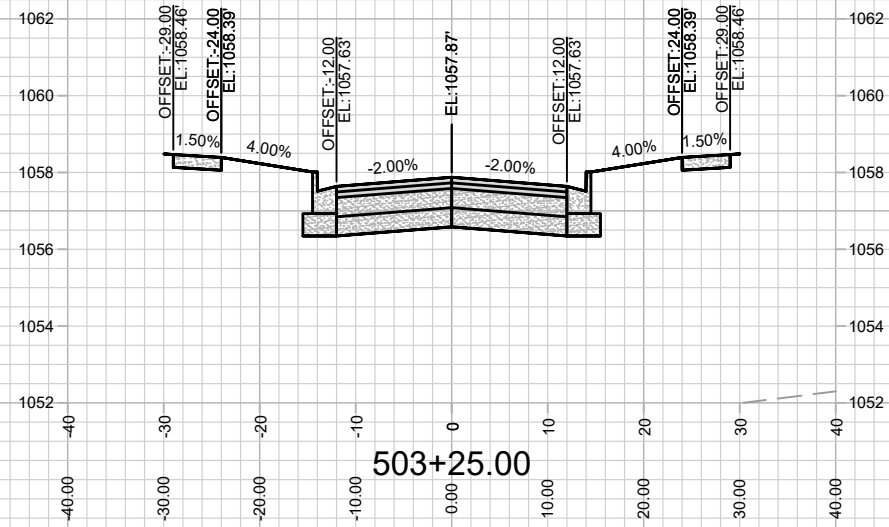
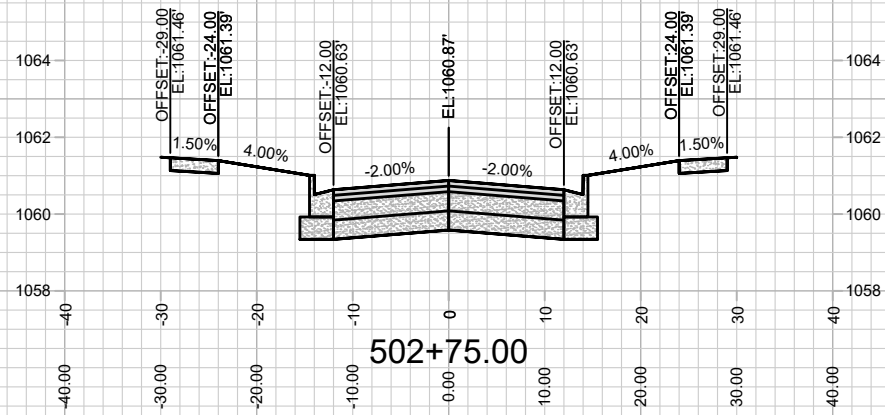
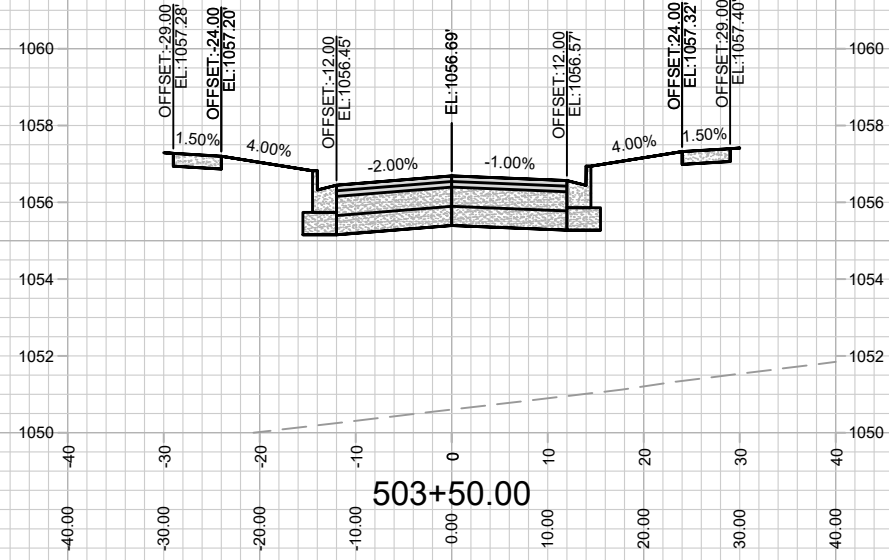
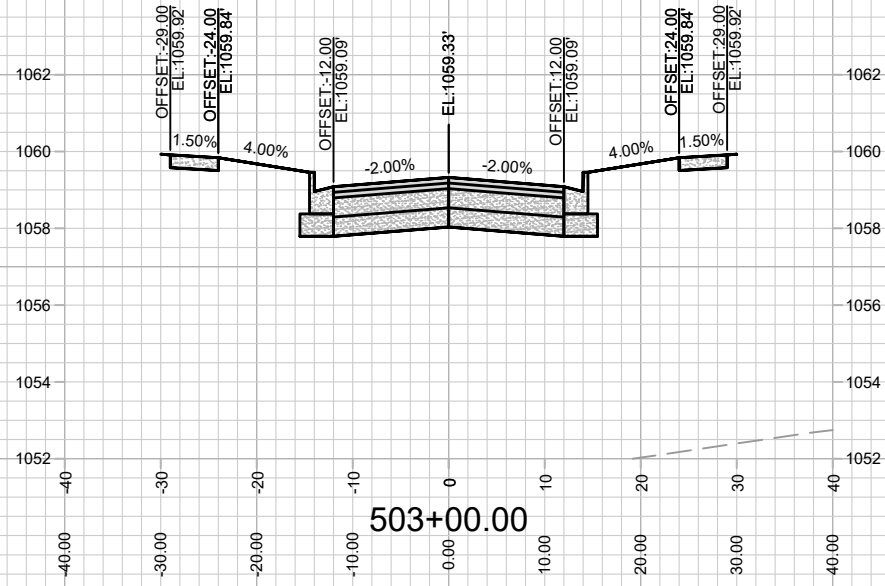
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CROSS SECTIONS- LADY BUG LANE
WESTERN ADDITION TO 1000 OAKS PHASE 3

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13855
MADISON, WI
9096
CONTRACT NO:

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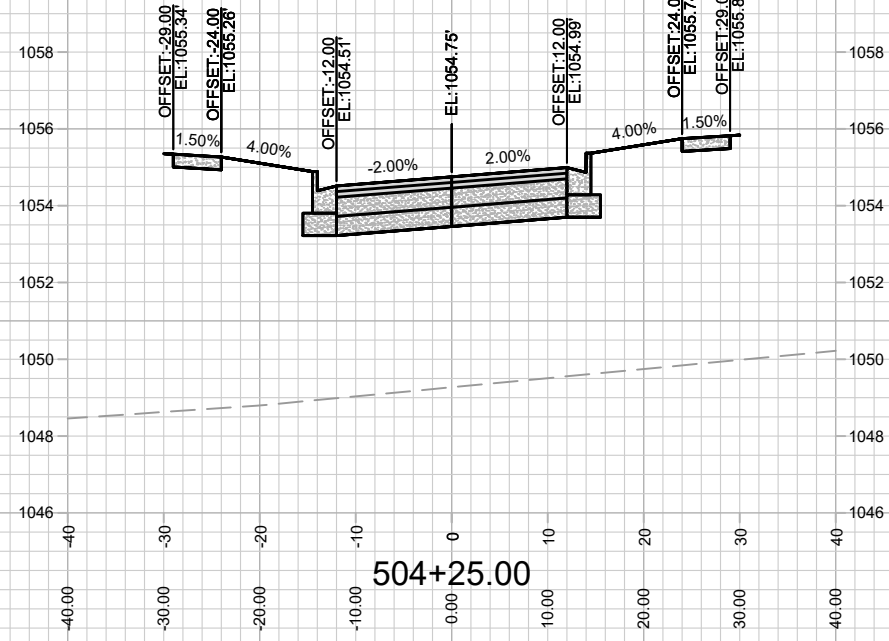
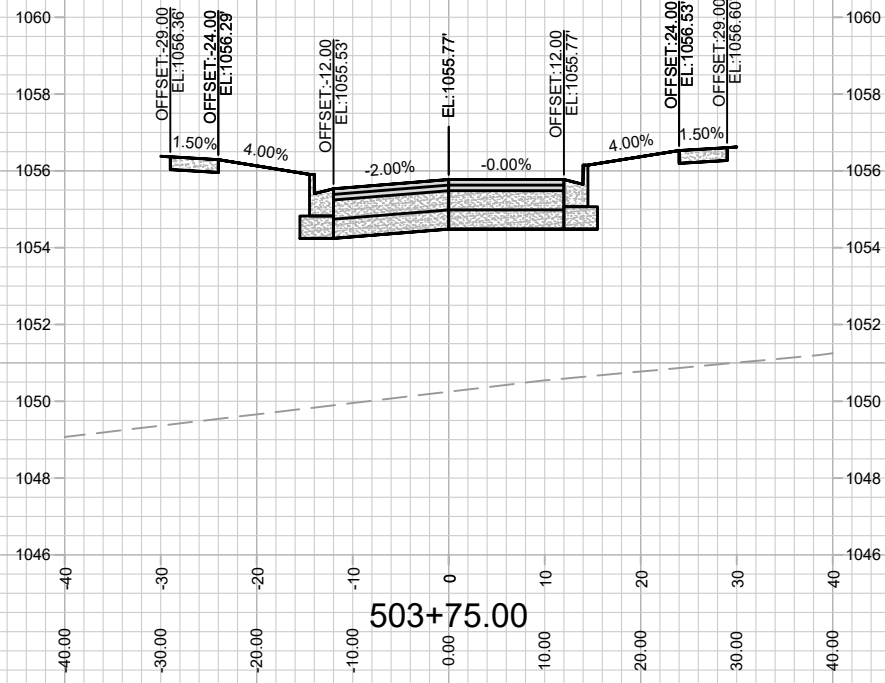
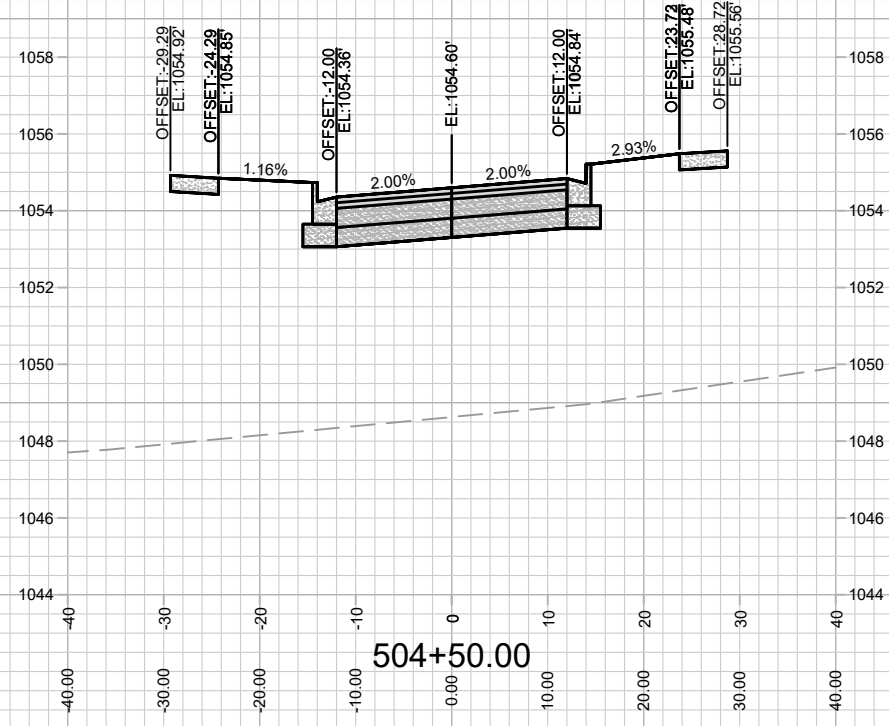
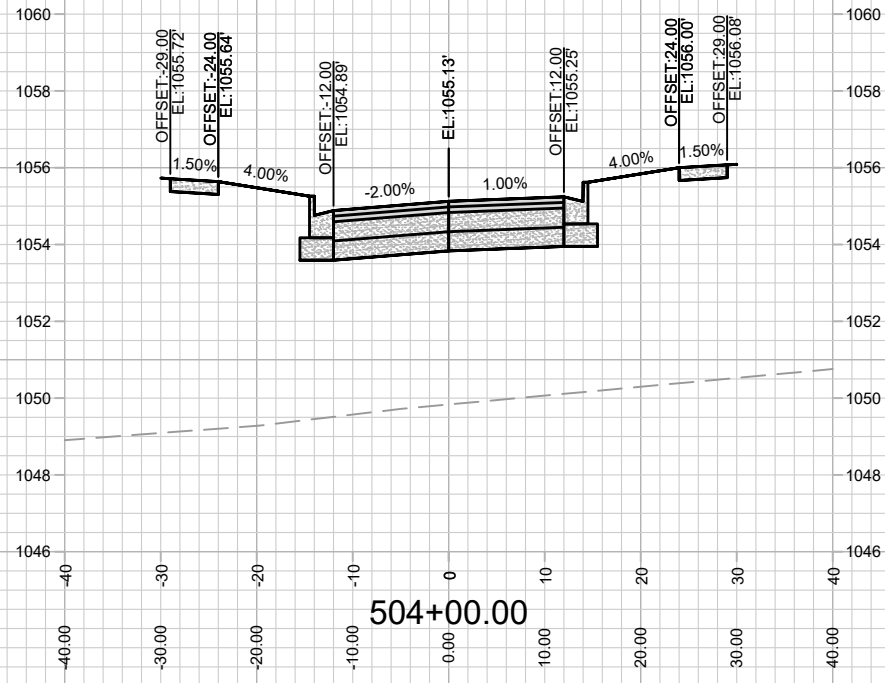
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13855
MADISON, WI
9096
CONTRACT NO:

CROSS SECTIONS- LADY BUG LANE
WESTERN ADDITION TO 1000 OAKS PHASE 3
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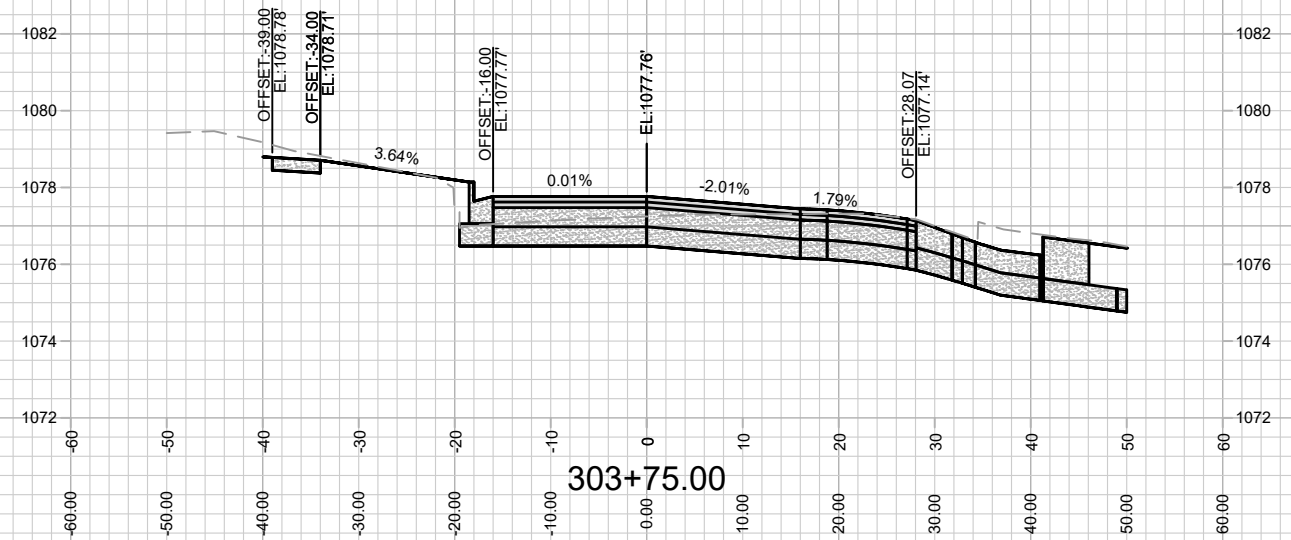
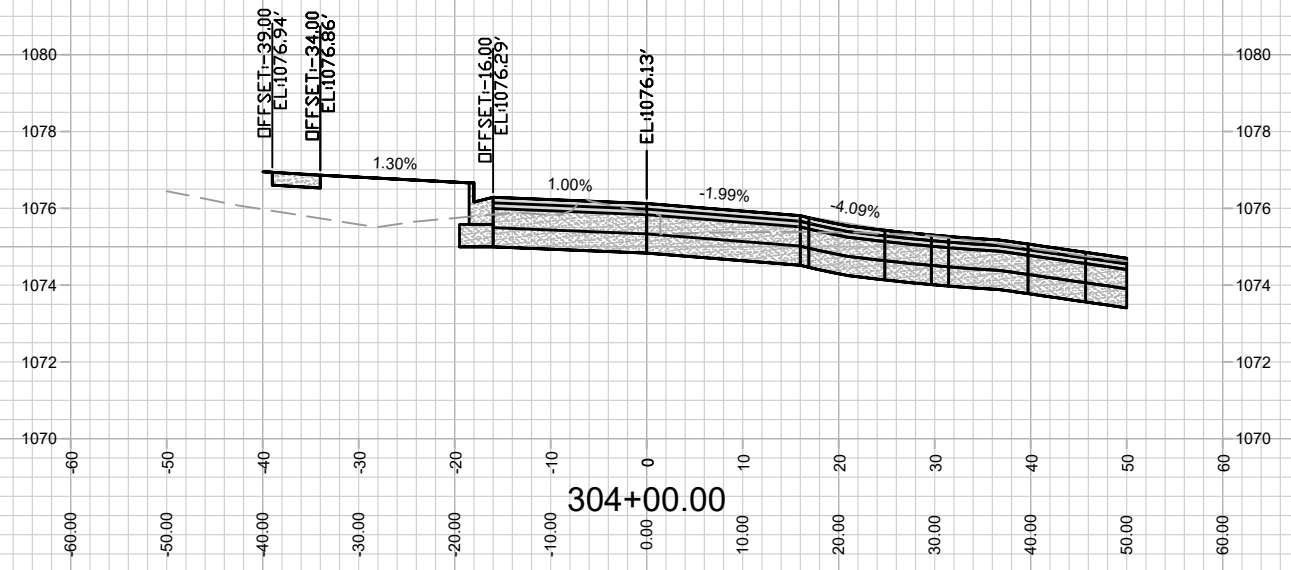
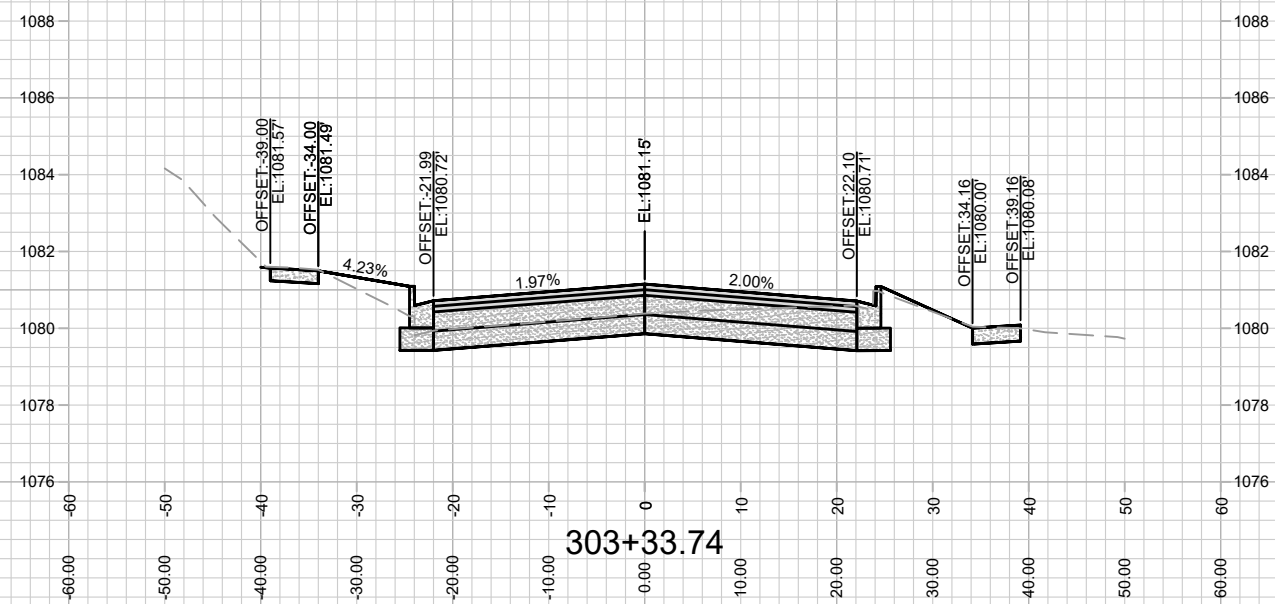
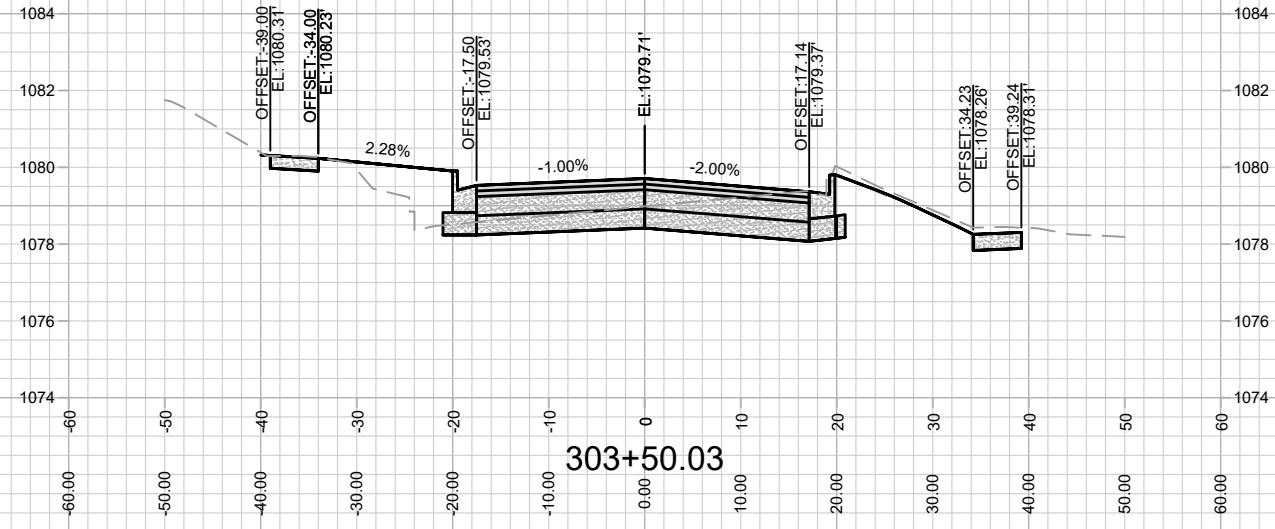
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 MADISON, WI
 9096
 CONTRACT NO:

CROSS SECTIONS- LADY BUG LANE
 WESTERN ADDITION TO 1000 OAKS PHASE 3
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13855
 X-4

REV 8/31/22 BY IO
-Curb grades at intersection changed

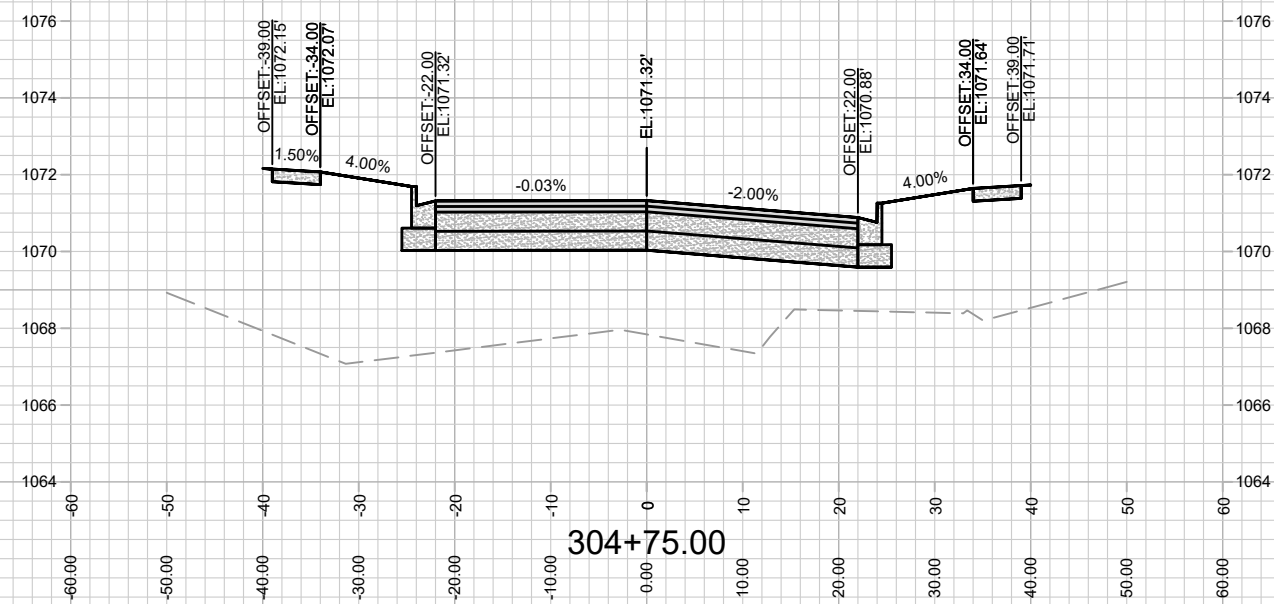
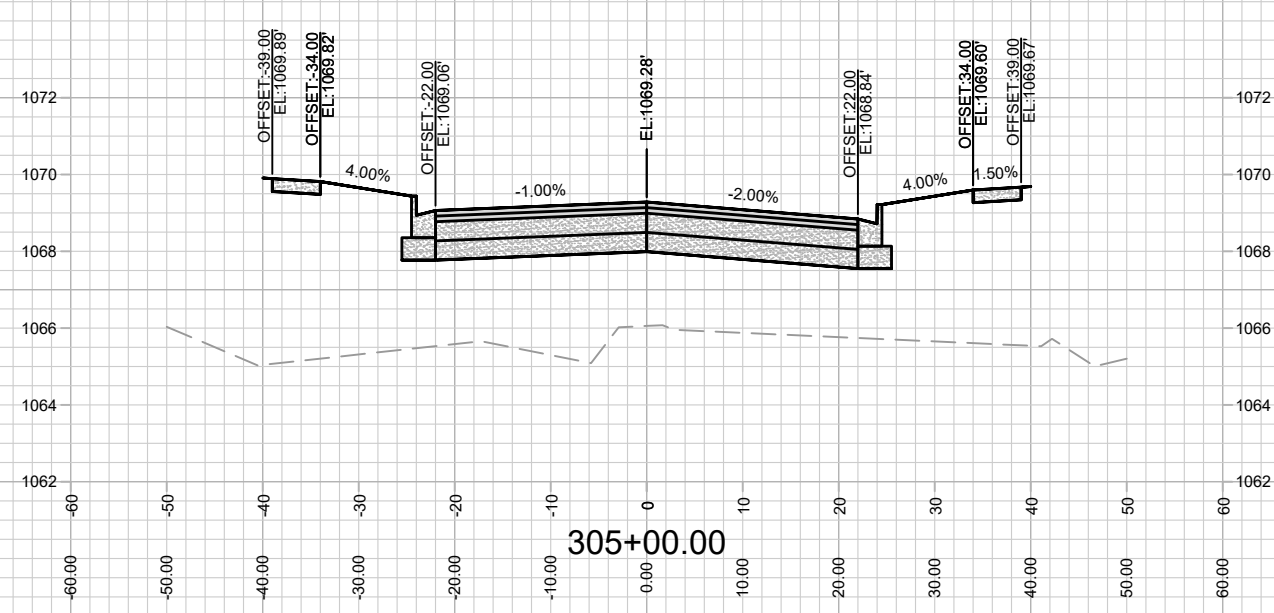
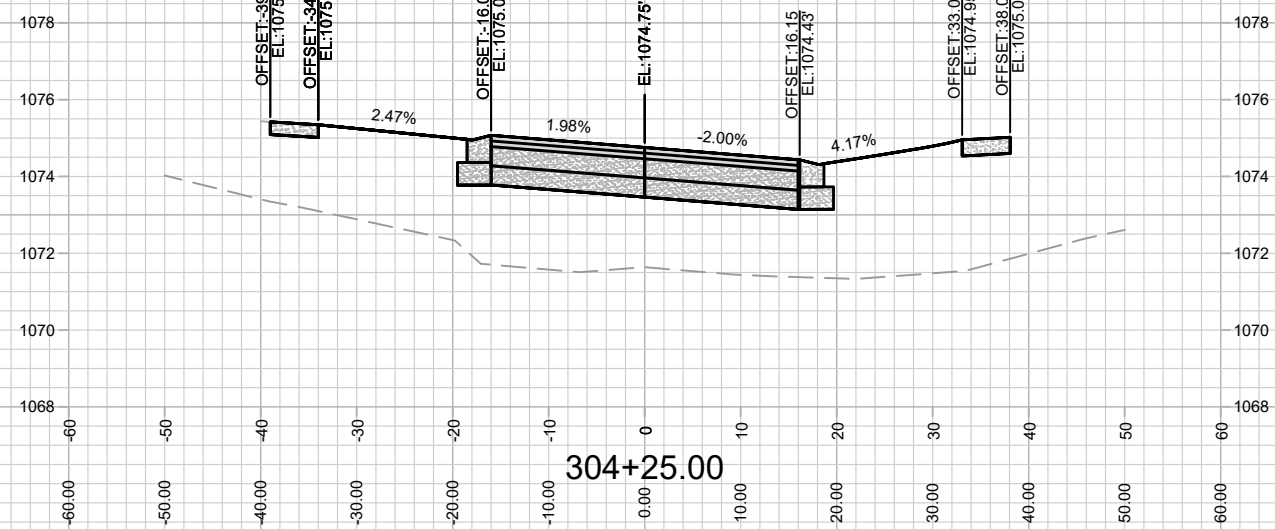
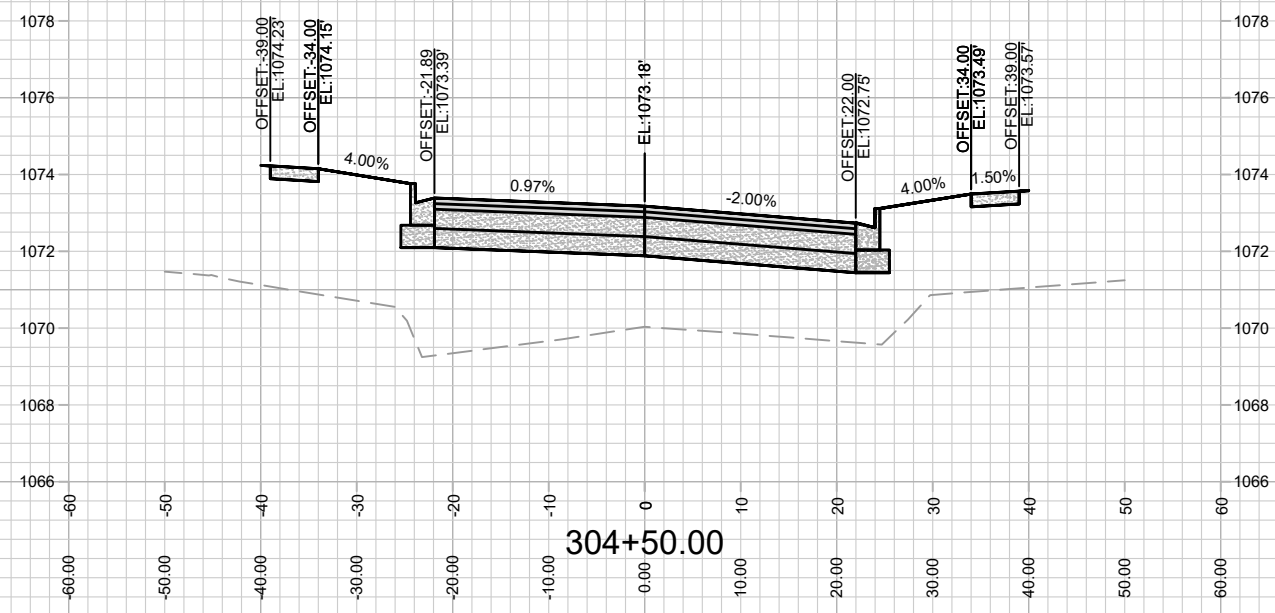


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13855
MADISON, WI
CONTRACT NO: 9096

CROSS SECTIONS- SUGAR MAPLE LANE
WESTERN ADDITION TO 1000 OAKS PHASE 3
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REV 8/31/22 BY IO
 -Curb grades at intersection changed

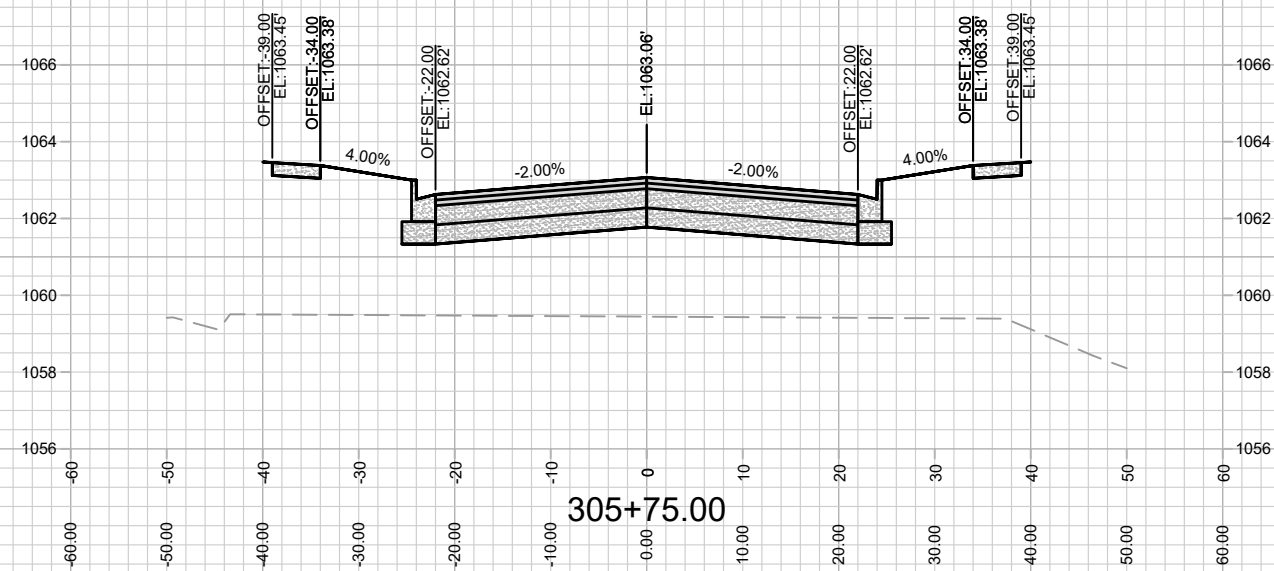
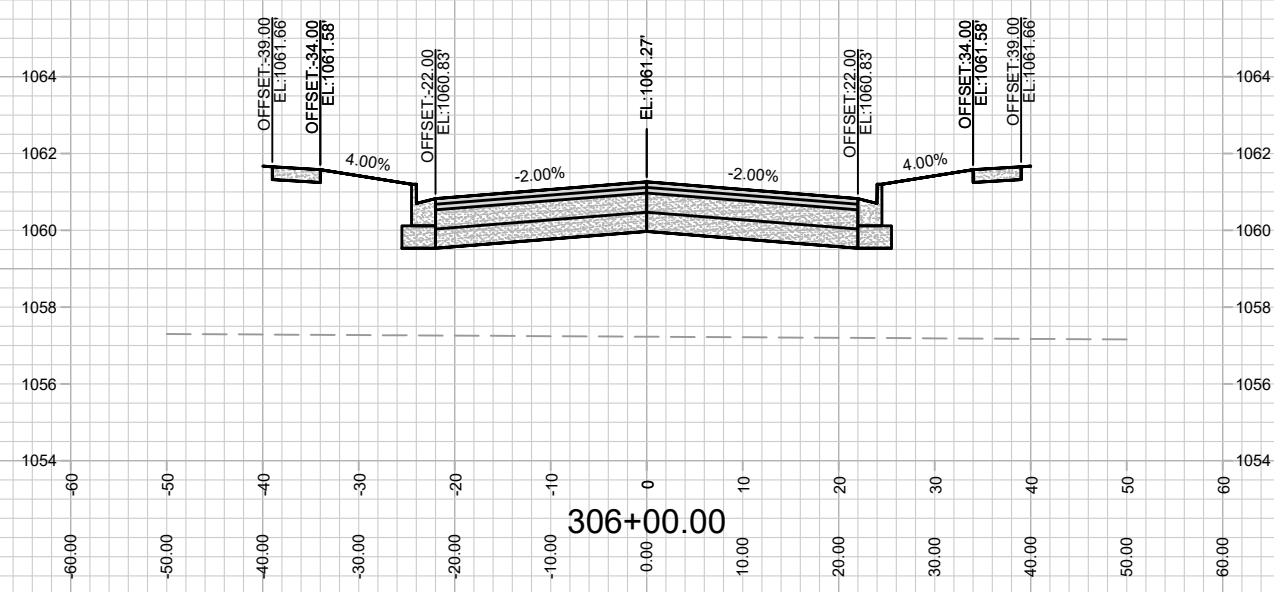
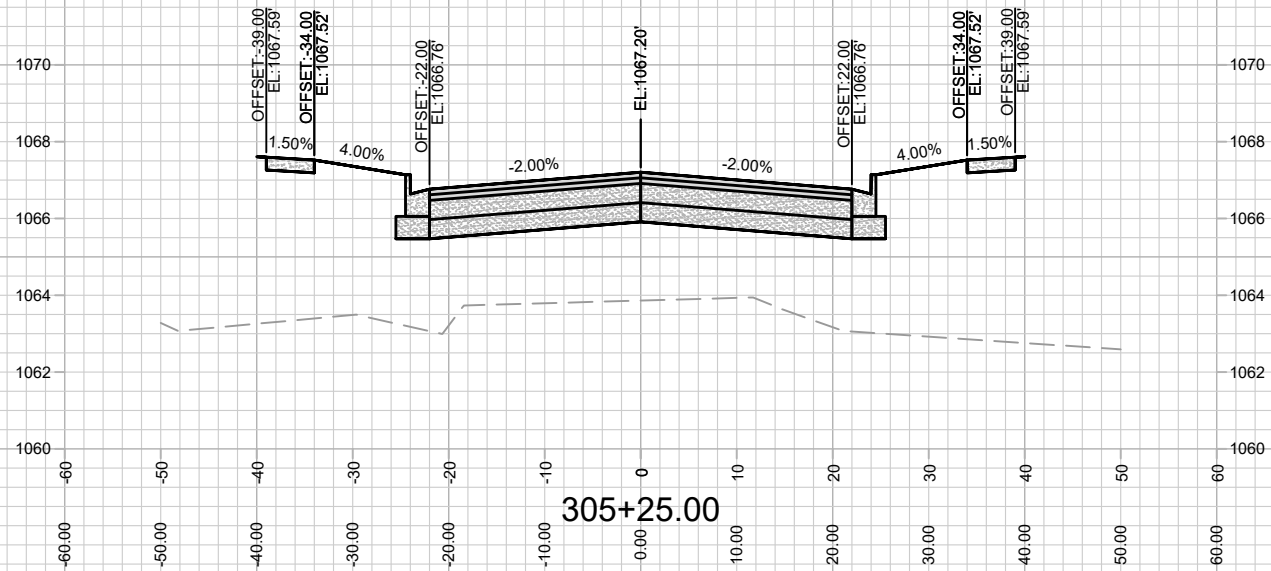
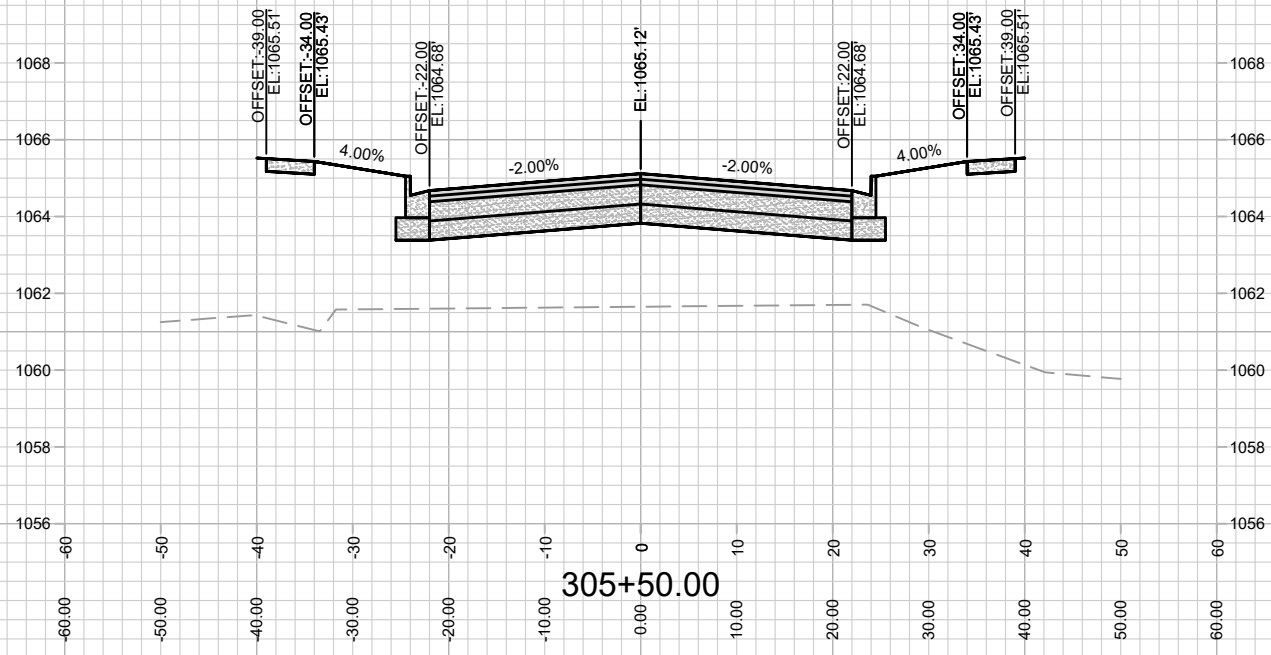


CROSS SECTIONS- SUGAR MAPLE LANE
 13855
 MADISON, WI
 WESTERN ADDITION TO 1000 OAKS PHASE 3
 M:\DESIGN\Projects\13855\CAD\Streets\13855EN-Corridor.dwg
 CONTRACT NO: 9096
 13855



13855
 X-6

MARK	REVISION	DATE	BY
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			X-6



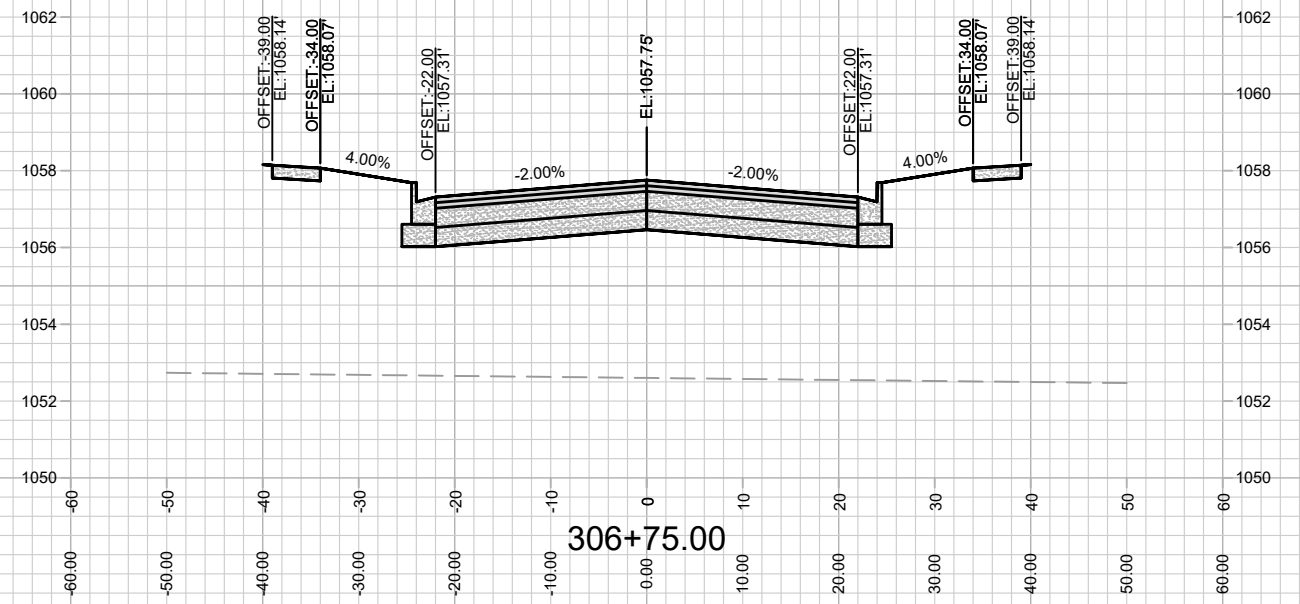
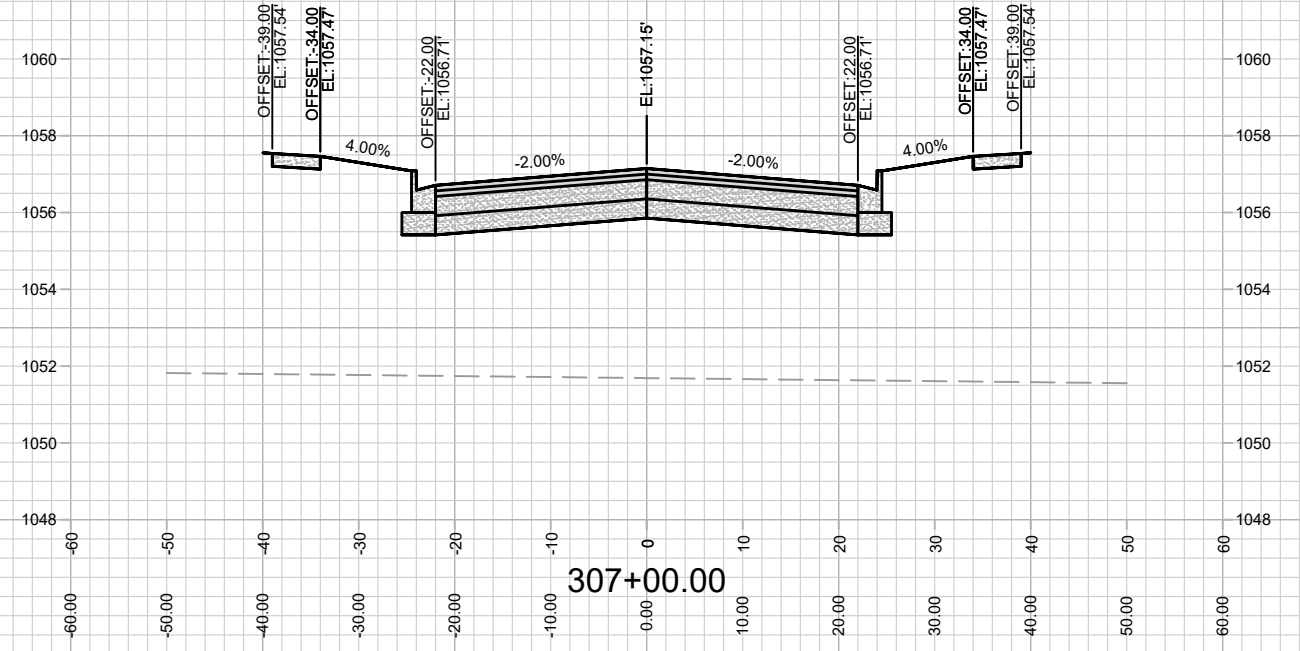
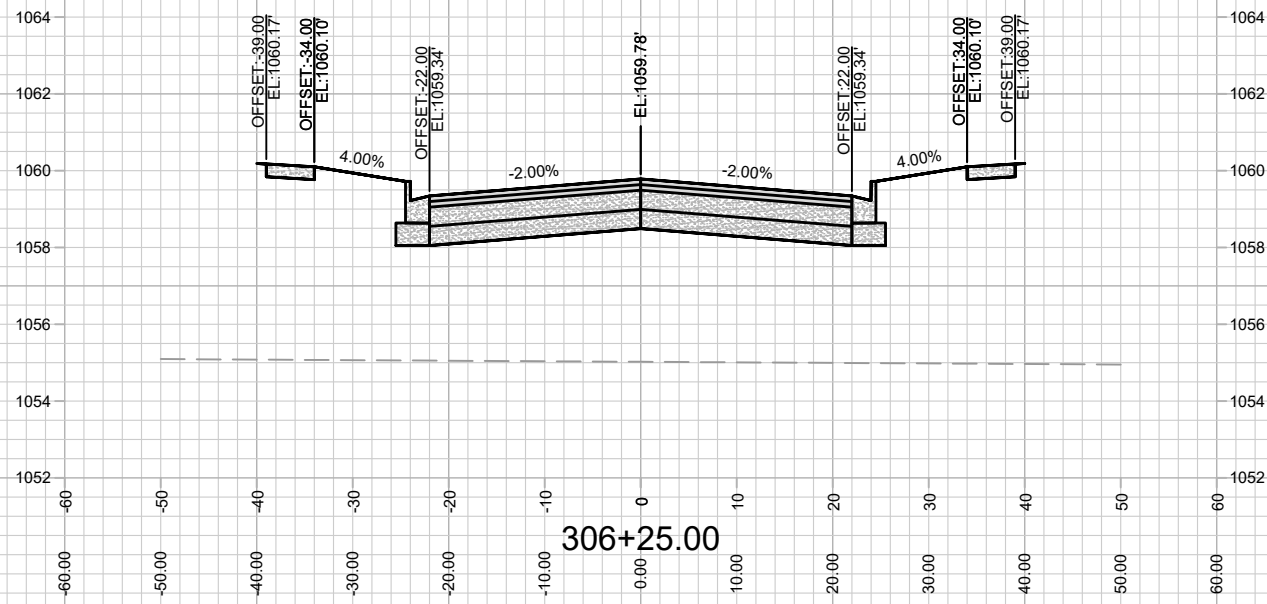
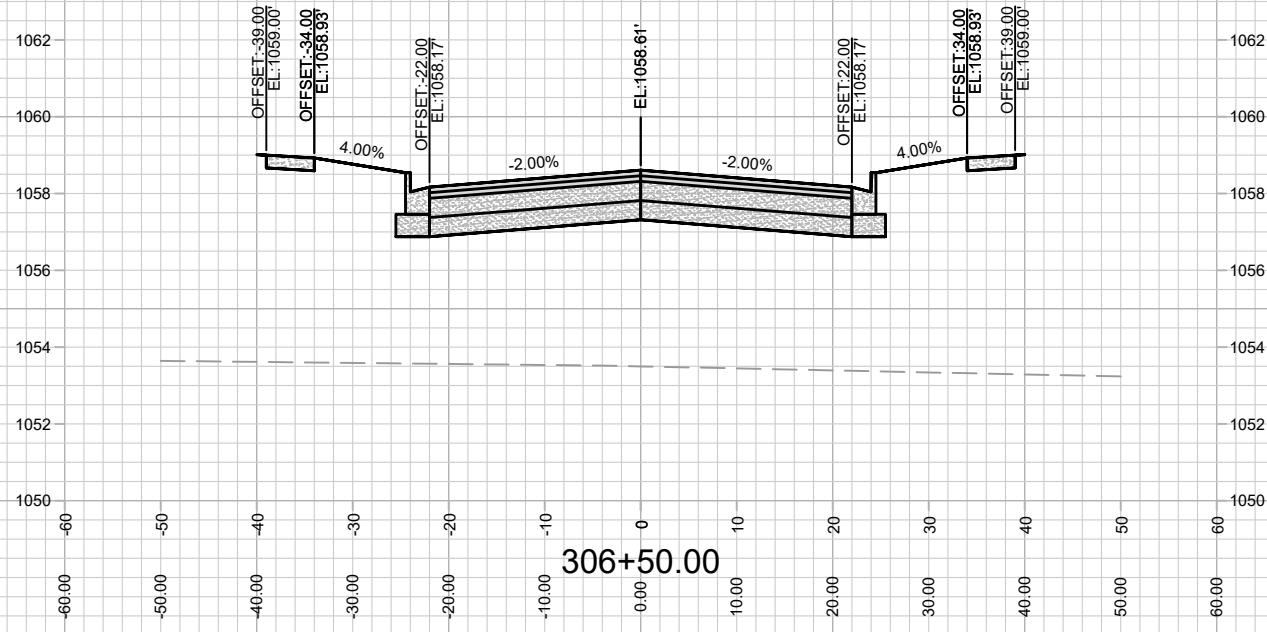
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13855
MADISON, WI
9096
CONTRACT NO:

CROSS SECTIONS- SUGAR MAPLE LANE
WESTERN ADDITION TO 1000 OAKS PHASE 3
M:\DESIGN\Projects\13855\CAD\Streets\13855EN-Corridor.dwg



13855
X-7



MARK	REVISION	DATE	BY

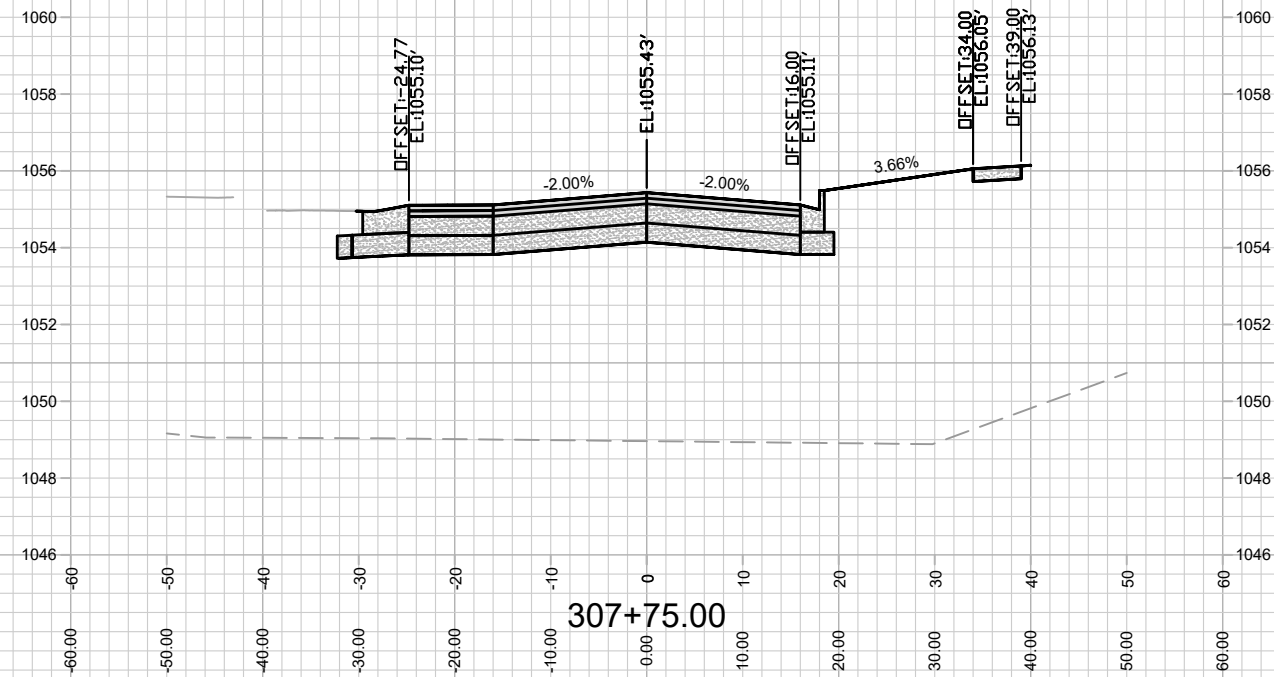
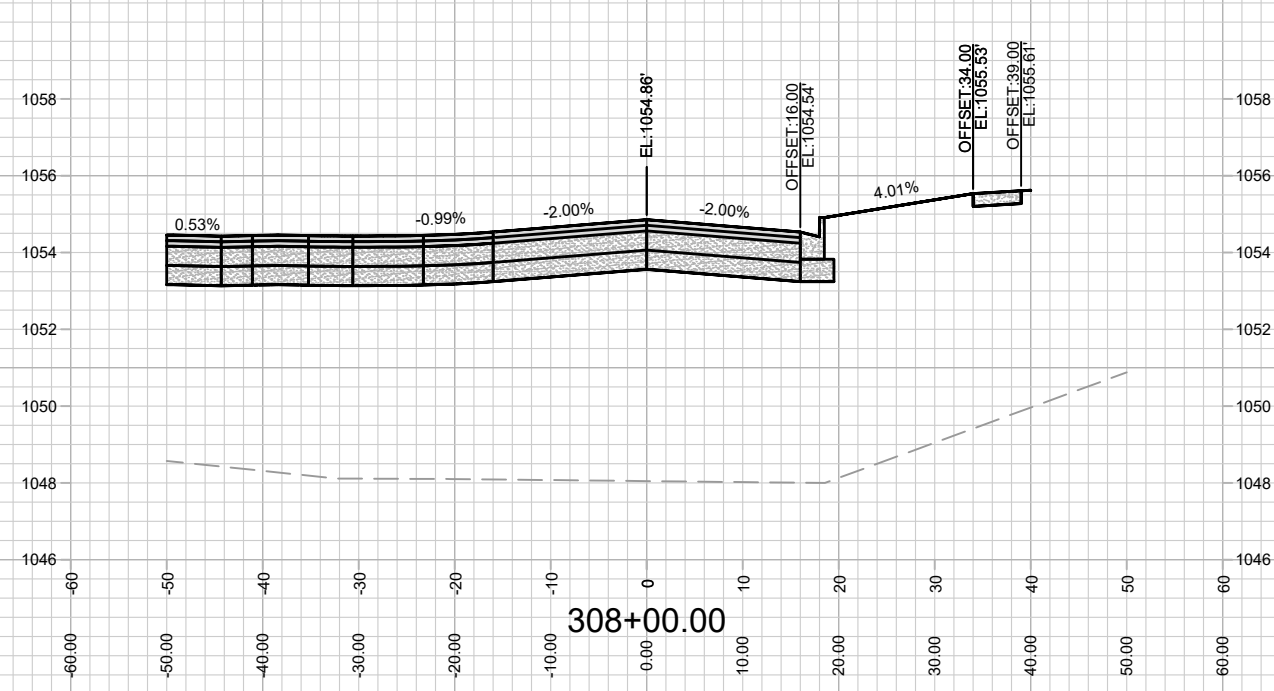
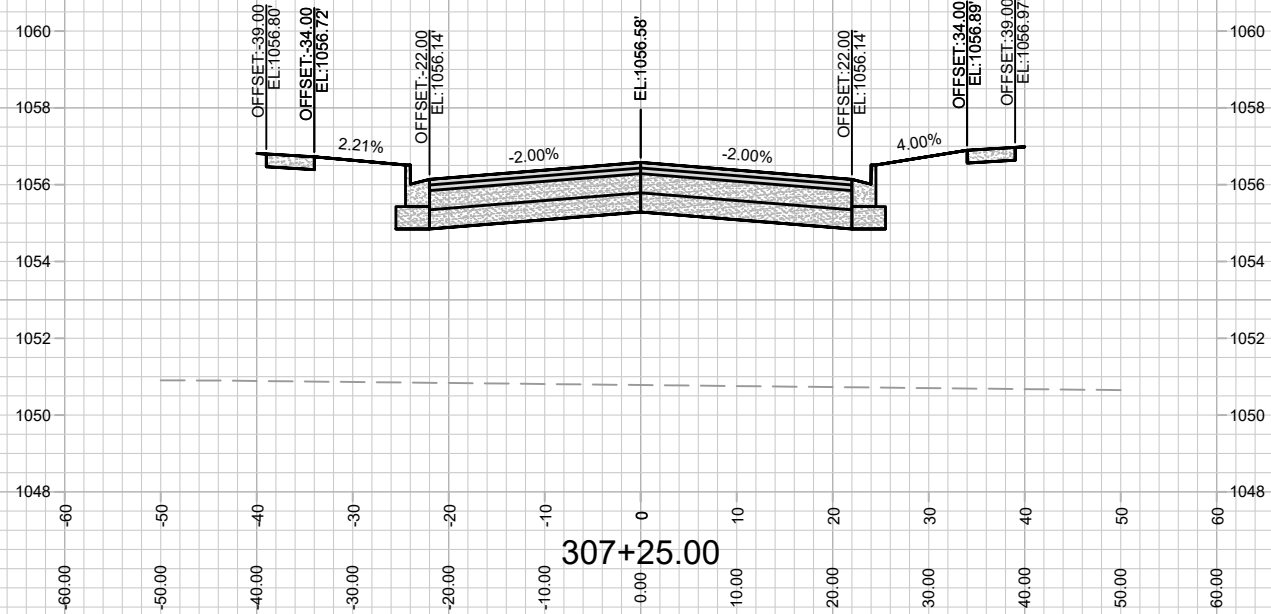
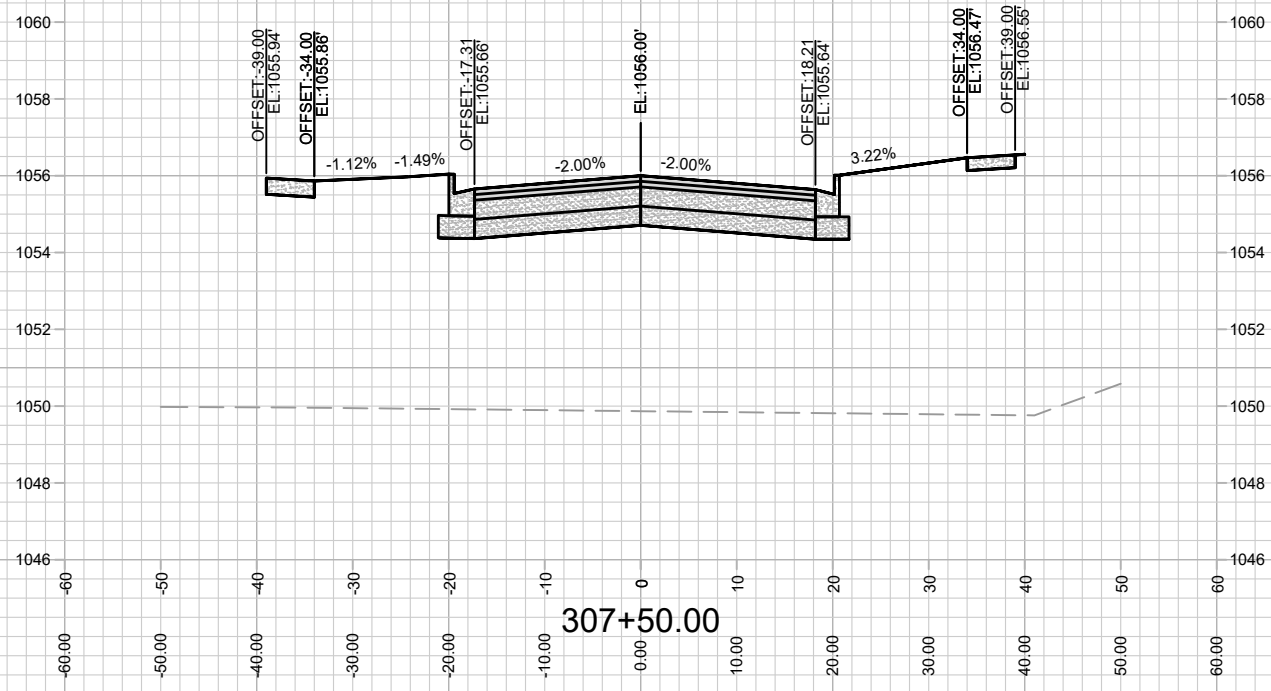
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13855
MADISON, WI
9096
CONTRACT NO:

CROSS SECTIONS- SUGAR MAPLE LANE
WESTERN ADDITION TO 1000 OAKS PHASE 3
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13855
X-8



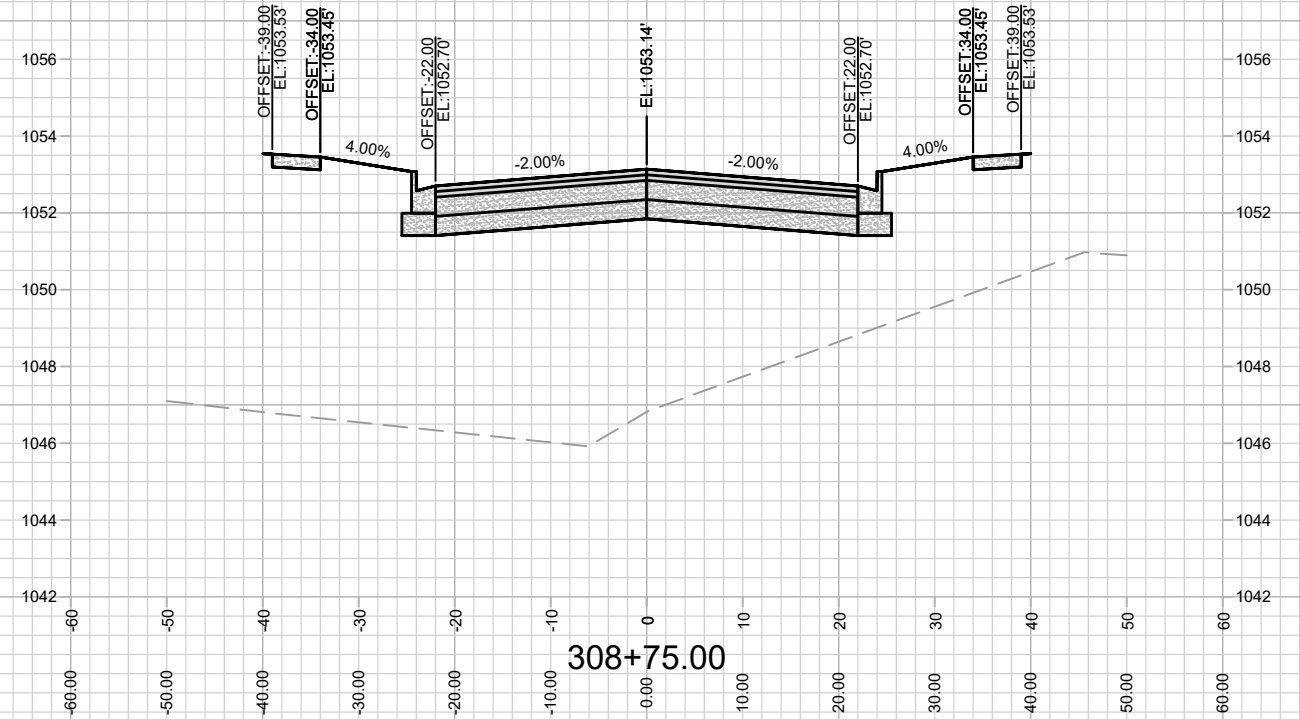
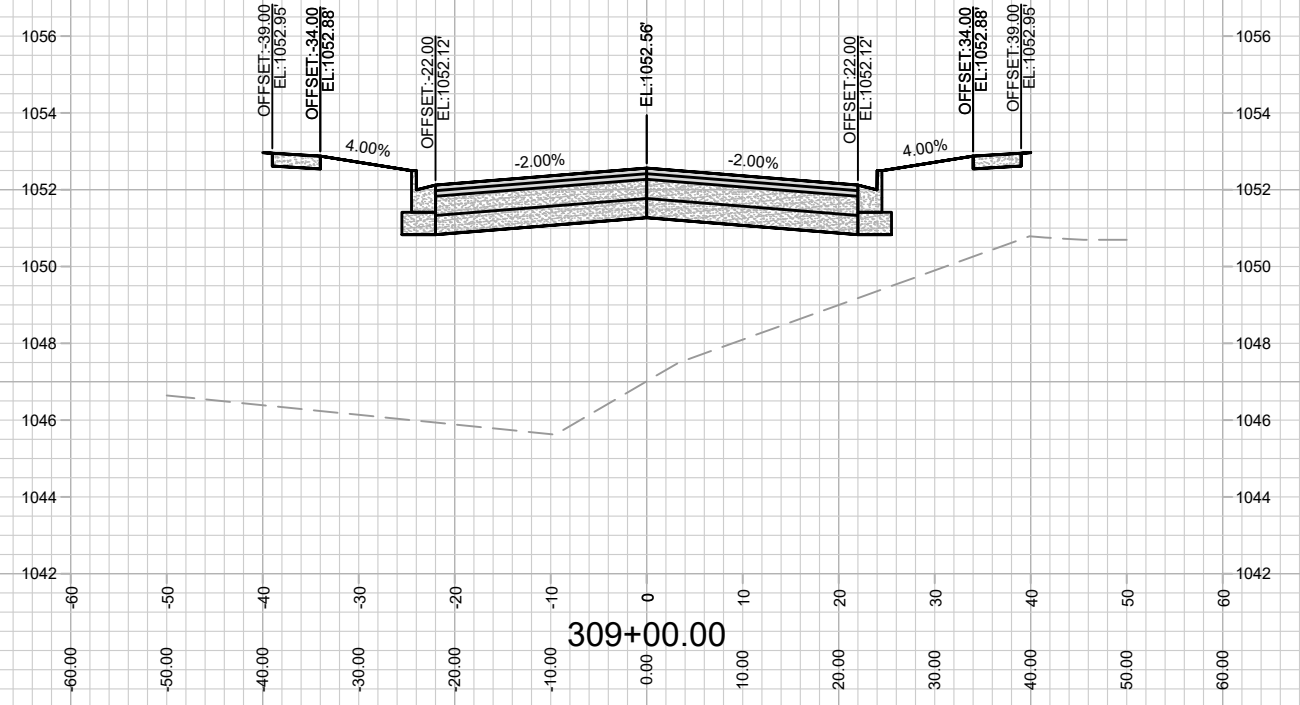
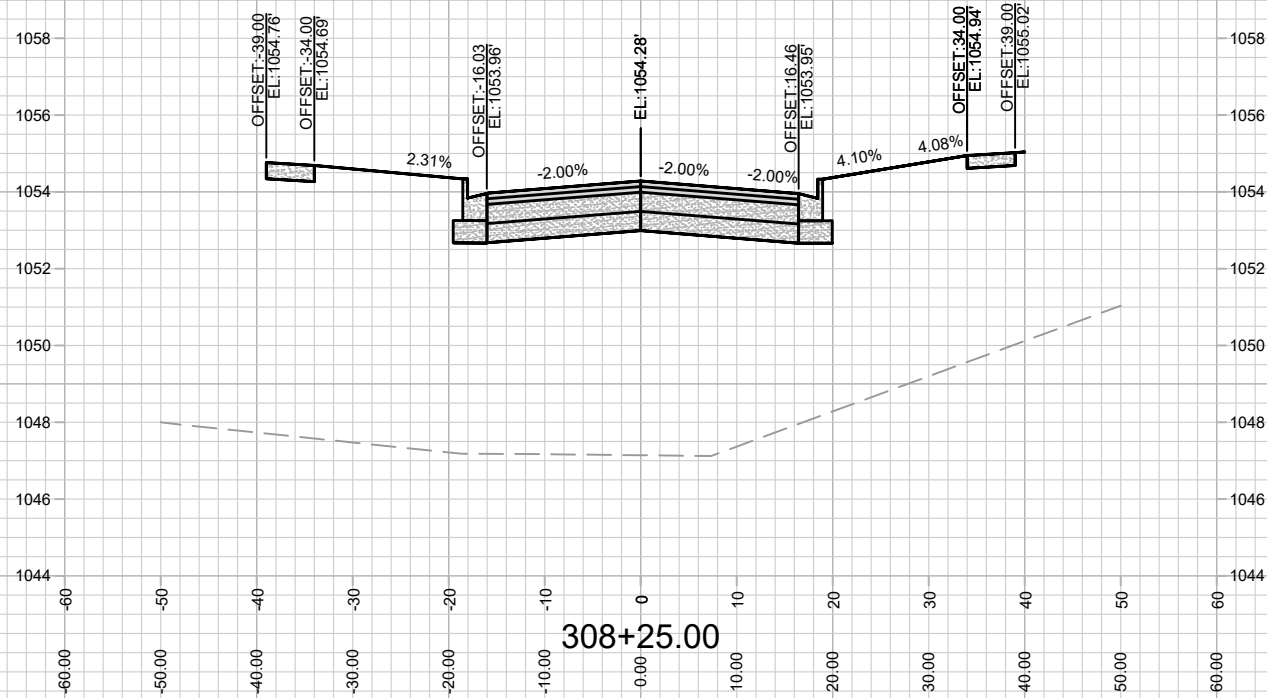
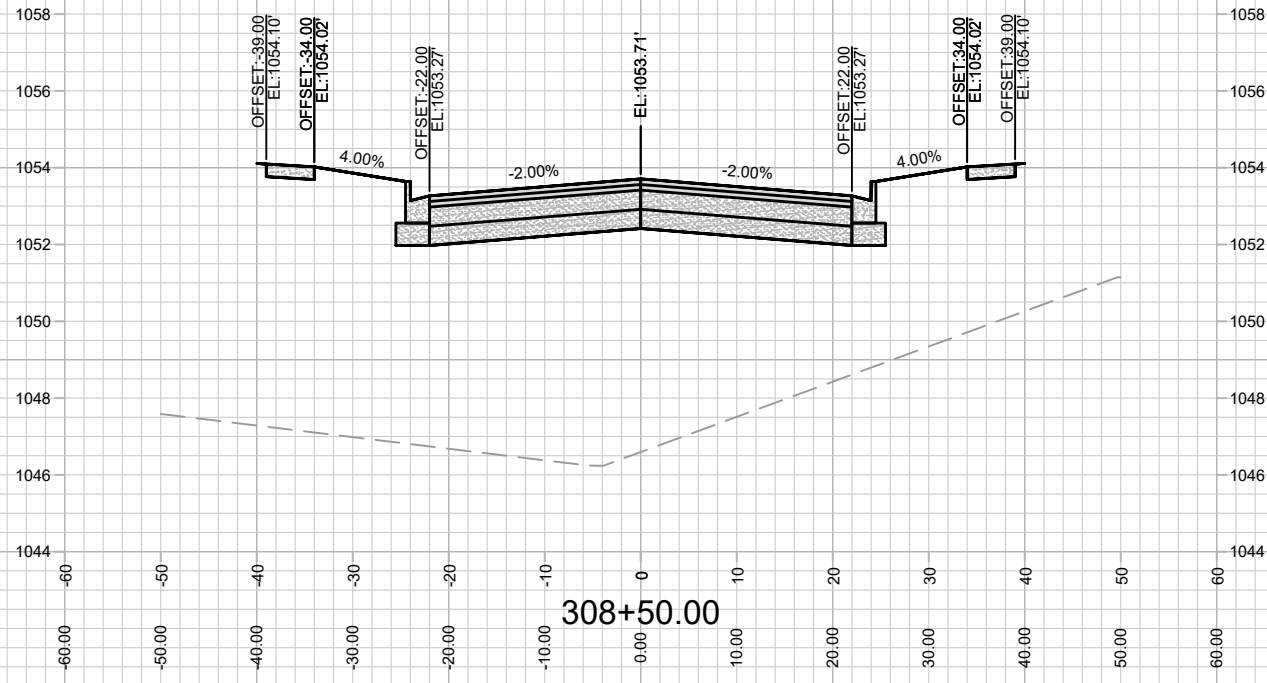
MARK	REVISION	DATE	BY

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 Date: 06/20/22 8:32 AM
 Scale: 1" = 20'
 X-9

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MADISON, WI
9096
CONTRACT NO:

13855
X-9

CROSS SECTIONS- SUGAR MAPLE LANE
WESTERN ADDITION TO 1000 OAKS PHASE 3
 M:\DESIGN\Projects\13855\CAD\Streets\13855EN-Corridor.dwg



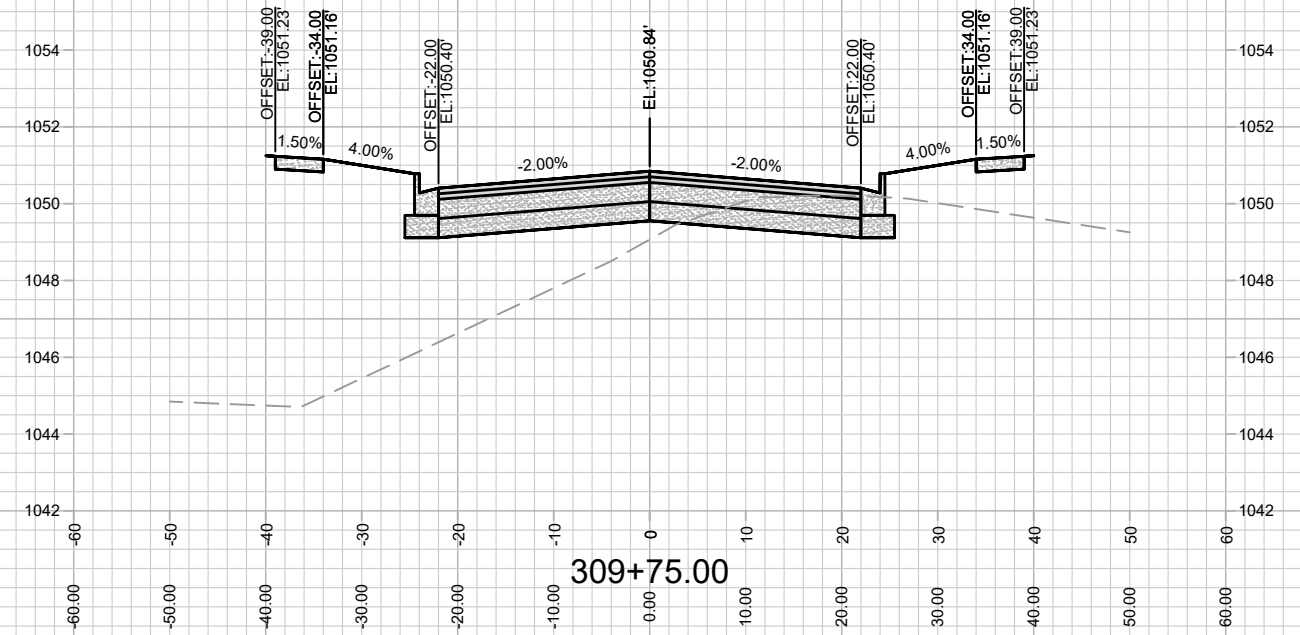
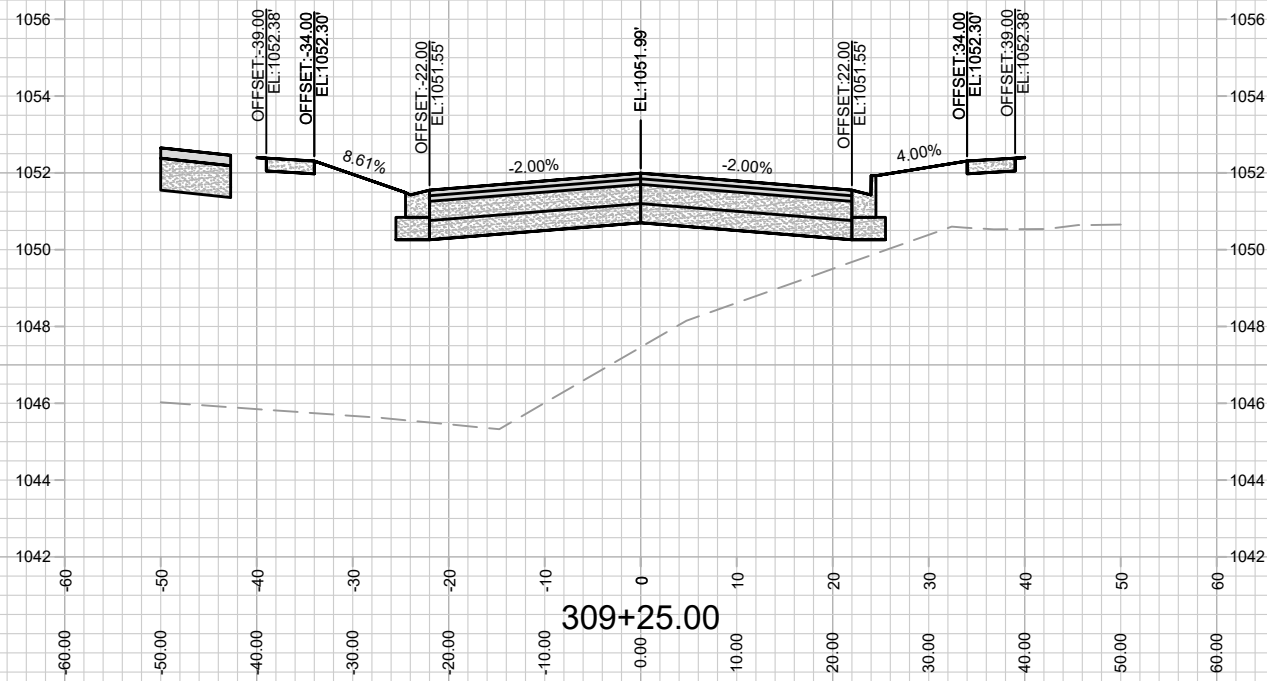
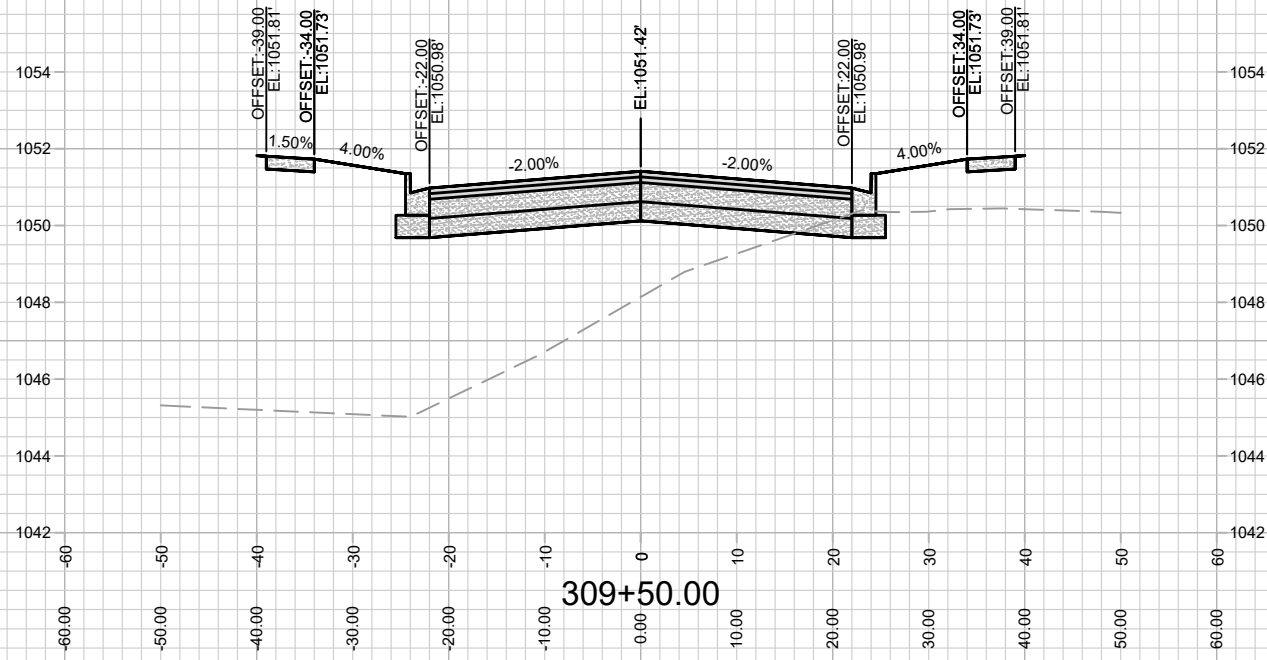
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Date: 6/6/2022 10:19 AM
Scale: 1" = 20'

13855
MADISON, WI
9096
CONTRACT NO:

CROSS SECTIONS- SUGAR MAPLE LANE
WESTERN ADDITION TO 1000 OAKS PHASE 3
M:\DESIGN\Projects\13855\CAD\Streets\13855EN-Corridor.dwg

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X-10



MARK	REVISION	DATE	BY

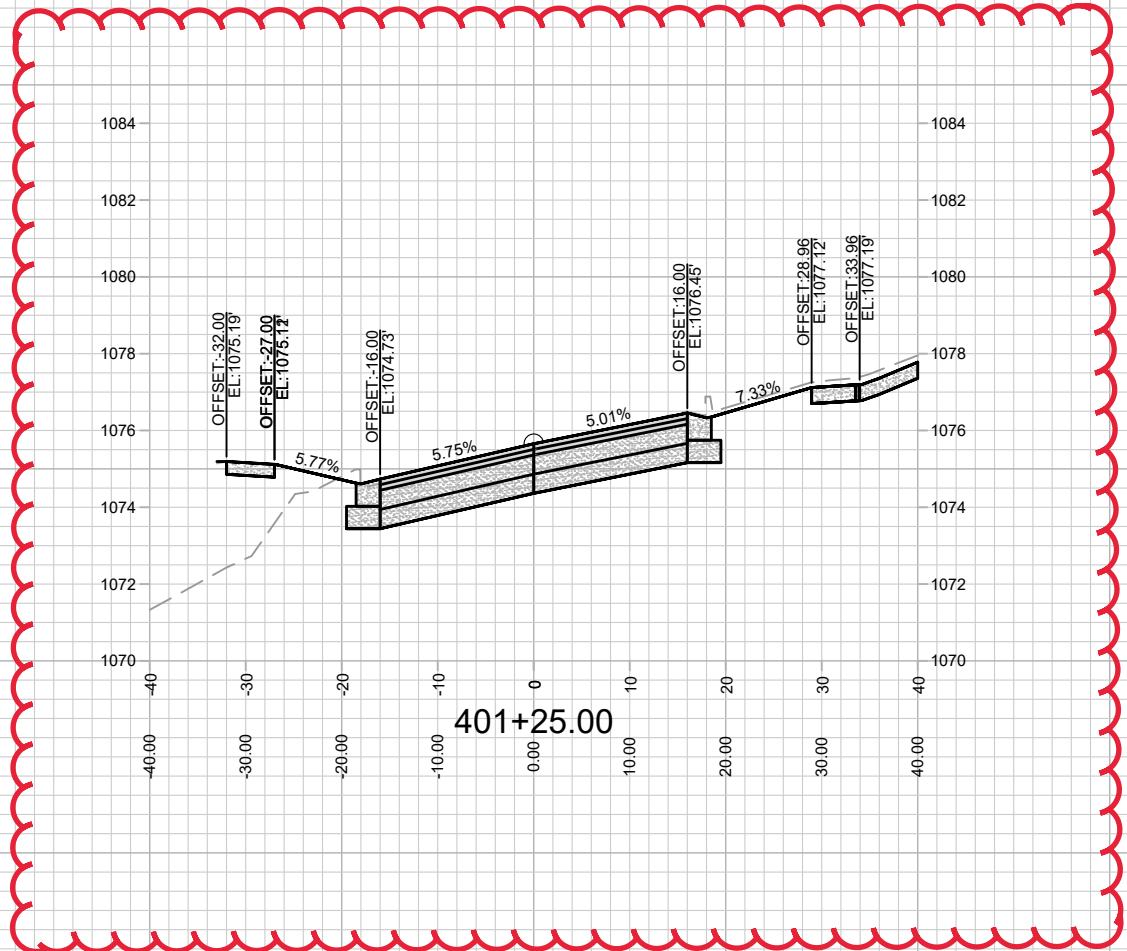
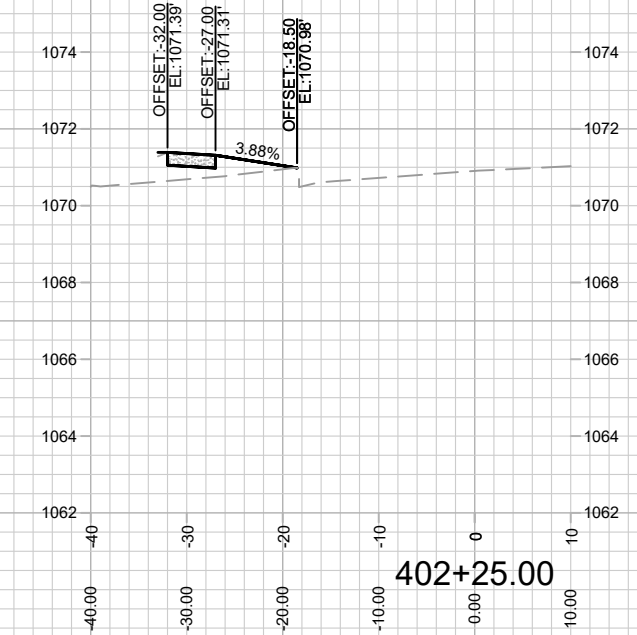
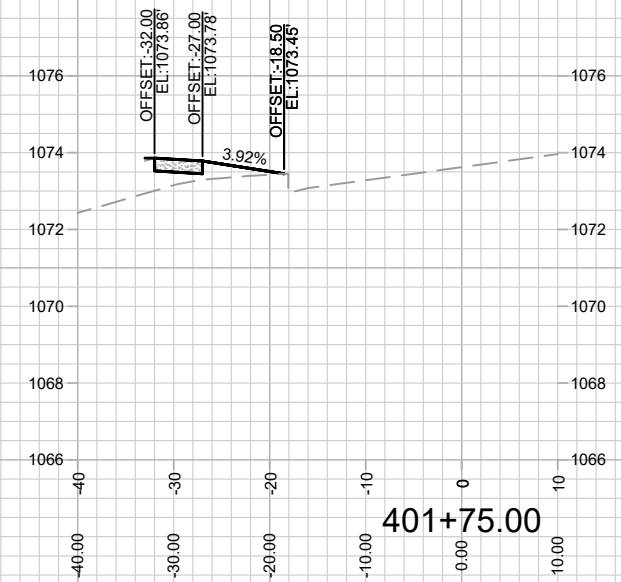
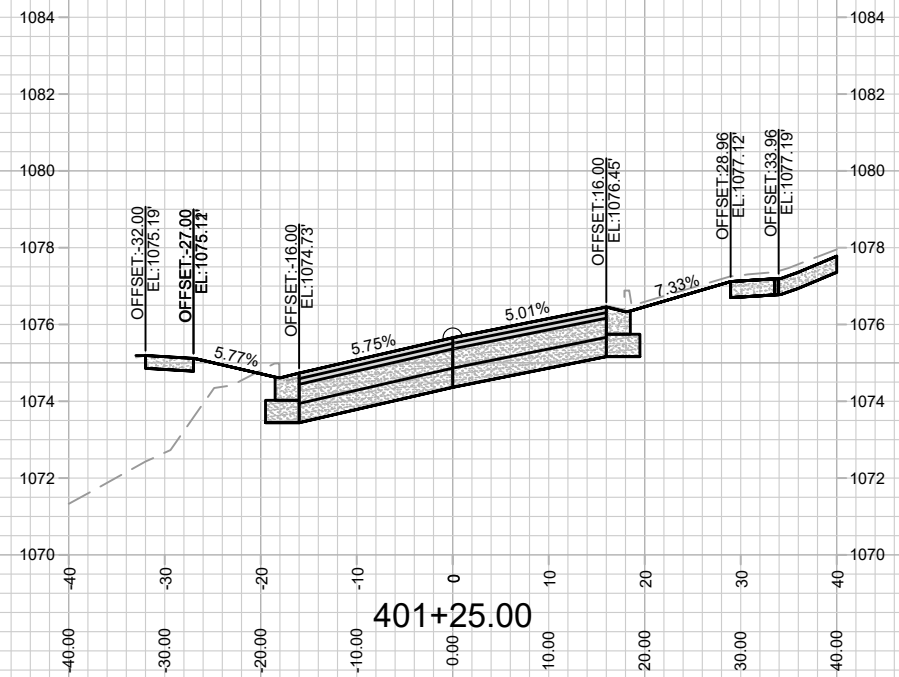
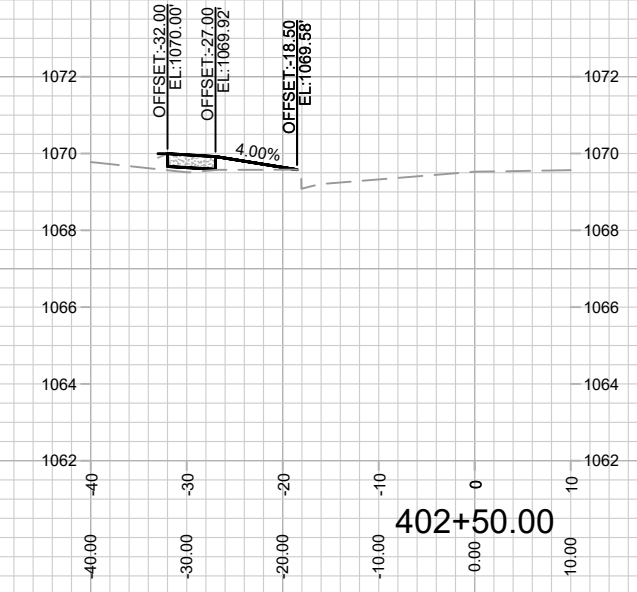
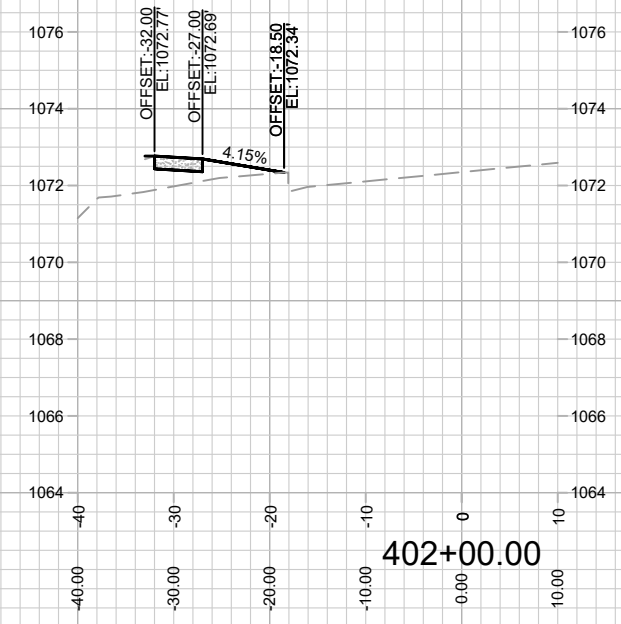
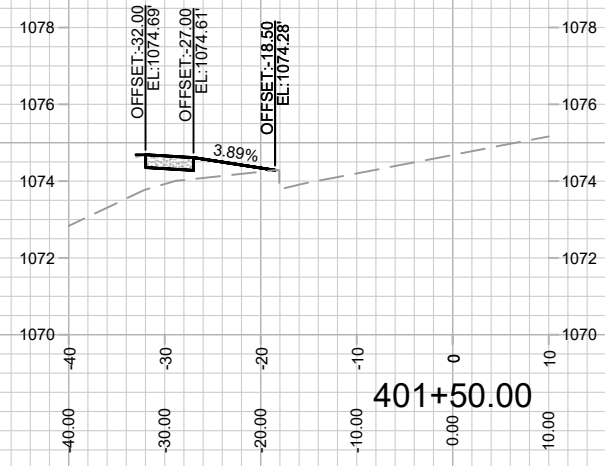
13855
 MADISON, WI
 CONTRACT NO: 9096
 Scale: 1" = 20'
 X-11

CROSS SECTIONS- SUGAR MAPLE LANE
 WESTERN ADDITION TO 1000 OAKS PHASE 3
 M:\DESIGN\Projects\13855\CAD\Streets\13855EN-Corridor.dwg



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 X-11

REV 8/31/22 BY IO
-Curb grades at intersection changed



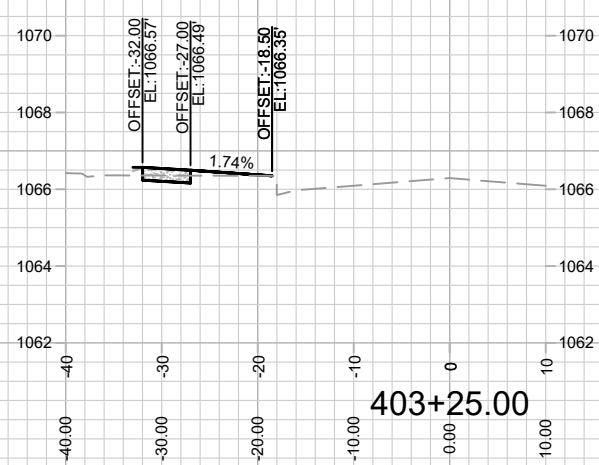
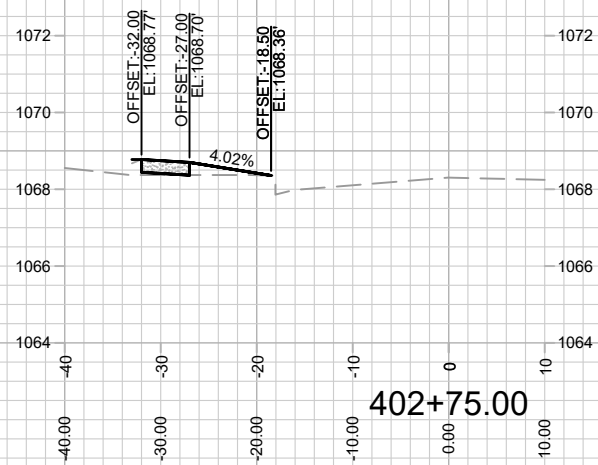
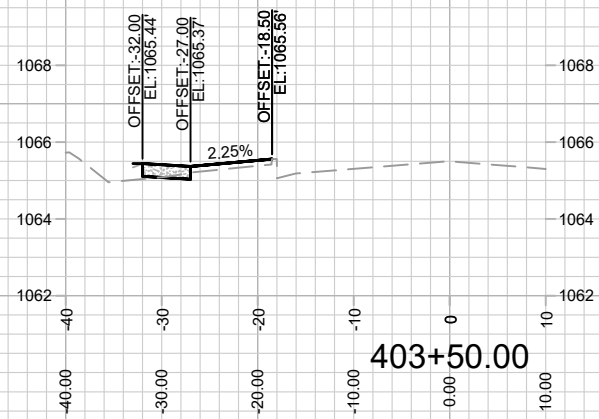
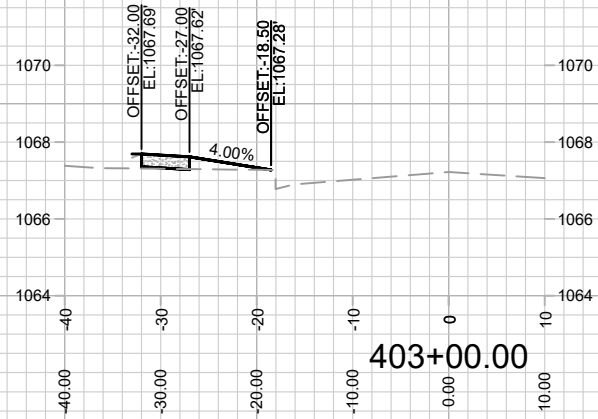
MARK	REVISION	DATE	BY
13855		8/31/2022 4:17 PM	X-12

13855
MADISON, WI
9096
CONTRACT NO:

CROSS SECTIONS- SUNNY SPRING DRIVE
WESTERN ADDITION TO 1000 OAKS PHASE 3
M:\DESIGN\Projects\13855\CAD\Streets\13855EN-Corridor.dwg



13855
X-12



13855

X-13

CROSS SECTIONS- SUNNY SPRING DRIVE
WESTERN ADDITION TO 1000 OAKS PHASE 3

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13855
MADISON, WI
9096

CONTRACT NO:

MARK	REVISION	DATE	BY
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LEGEND:

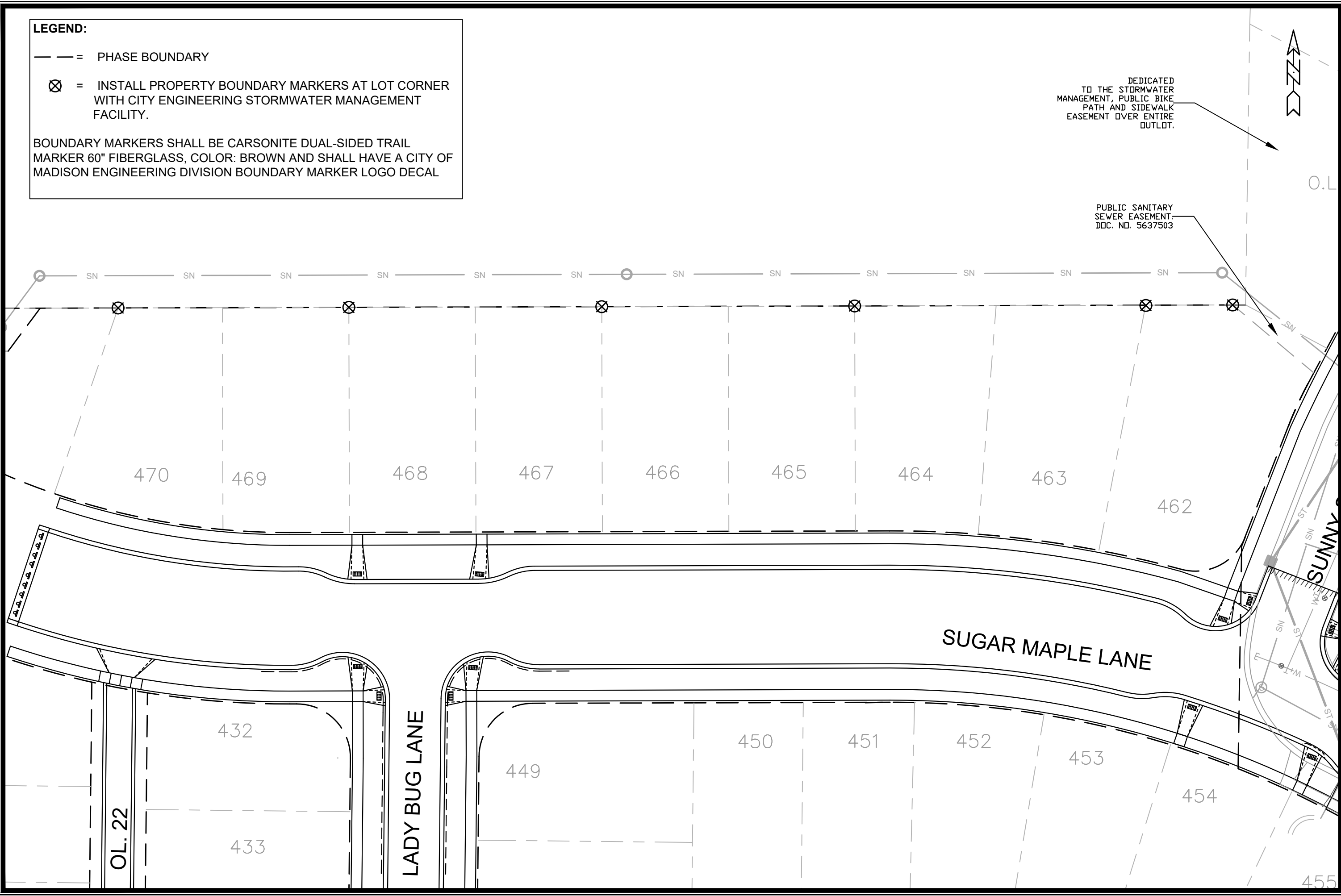
--- = PHASE BOUNDARY

⊗ = INSTALL PROPERTY BOUNDARY MARKERS AT LOT CORNER WITH CITY ENGINEERING STORMWATER MANAGEMENT FACILITY.

BOUNDARY MARKERS SHALL BE CARSONITE DUAL-SIDED TRAIL MARKER 60" FIBERGLASS, COLOR: BROWN AND SHALL HAVE A CITY OF MADISON ENGINEERING DIVISION BOUNDARY MARKER LOGO DECAL

DEDICATED TO THE STORMWATER MANAGEMENT, PUBLIC BIKE PATH AND SIDEWALK EASEMENT OVER ENTIRE OUTLOT.

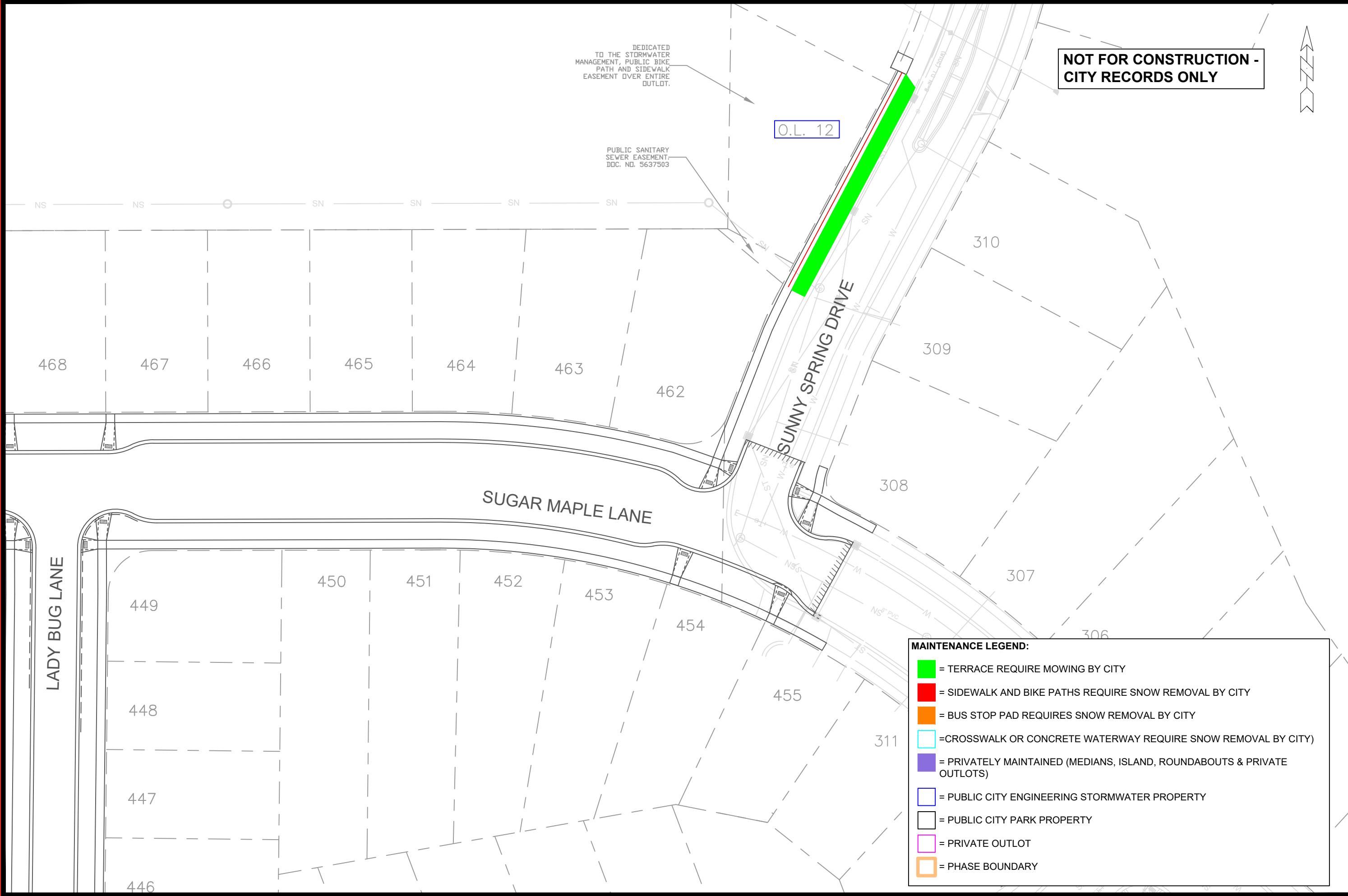
PUBLIC SANITARY SEWER EASEMENT. DDC. NO. 5637503



13855
MADISON, WI
CONTRACT NO: 9096
PROPERTY BOUNDARY MARKER PLAN
WESTERN ADDITION TO 1000 OAKS PHASE 3
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13855
PBM-1

MARK	REVISION	DATE	BY
13855		06/20/22 10:38 AM	PBM-1



NOT FOR CONSTRUCTION - CITY RECORDS ONLY

MAINTENANCE LEGEND:

- = TERRACE REQUIRE MOWING BY CITY
- = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- = CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY
- = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)
- = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- = PUBLIC CITY PARK PROPERTY
- = PRIVATE OUTLOT
- = PHASE BOUNDARY

MARK	REVISION	DATE	BY

Scale: 1"=50'
 Date: 06/20/22 10:30 AM
 Designed By: ID
 13855
 MN-1

13855
 MADISON, WI
 CONTRACT NO: 9096

MAINTENANCE PLAN
WESTERN ADDITION TO 1000 OAKS PHASE 3
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13855
 MN-1