

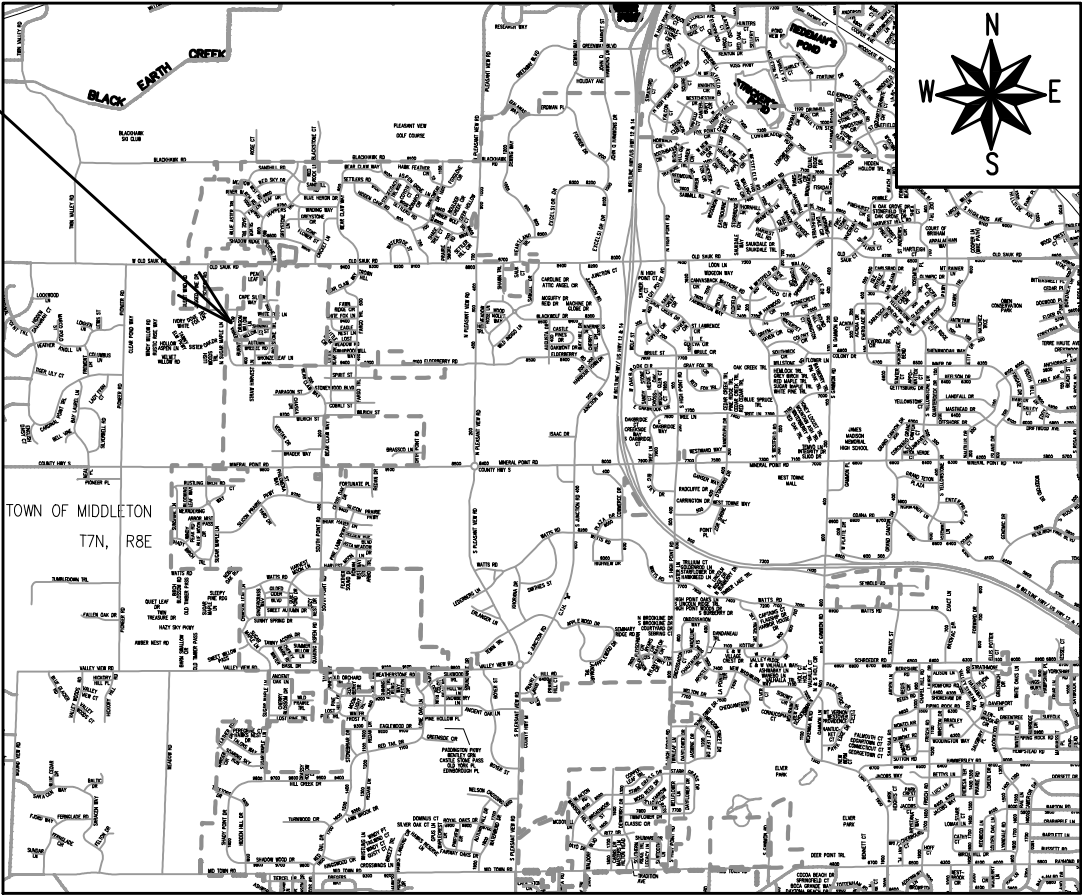
Madison, Wisconsin

CITY OF MADISON
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS

SHEET NO. D-1	DETAILS
SHEET NO. O-1	OVERVIEW PLAN
SHEET NO. EX-1	EXISTING CONDITIONS PLAN
SHEET NO. GE-1	GRADING & EROSION CONTROL PLAN
SHEET NO. U-1 - U-3	UTILITY PLANS
SHEET NO. U-4	STORM SCHEDULE
SHEET NO. P1-P2	PLAN AND PROFILES
SHEET NO. X-1 - X-5	CROSS SECTIONS
SHEET NO. MN-1	MAINTENANCE PLAN (CITY USE ONLY)

PROJECT
LOCATION



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS

STORM SEWER

SANITARY SEWER

WATER

BURIED ELECTRIC

OVERHEAD ELECTRIC

POWER POLE

ADA COMPLIANT RAMP W/
DETECTABLE WARNING FIELD

COMBUSTIBLE FLUIDS

G

ST

SN

W

E

OH

PUBLIC IMPROVEMENT PROJECT
APPROVED

APPROVED DATE

JULY 21, 2026

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

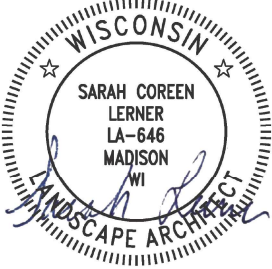
07/16/2026

ENG- Gregory T. Fries for JMW
ENG- Gregory T. Fries for JMW (Jul 16, 2026 15:23:01 CDT)

City Engineer

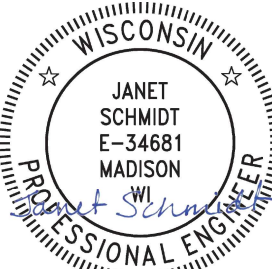
Date

STORMWATER DESIGNED BY:

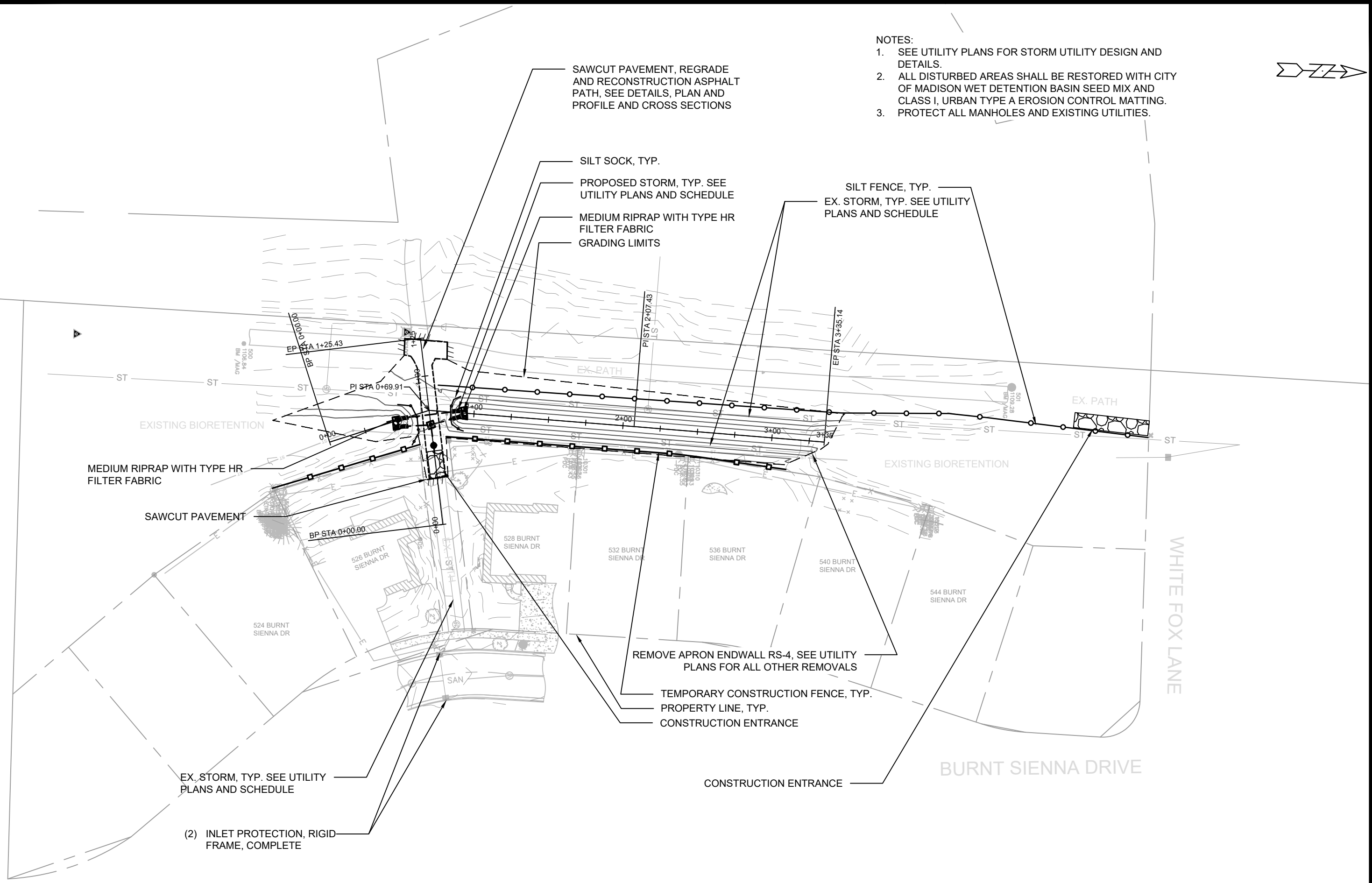


07/16/2026

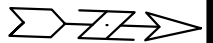
STORM & SANITARY SEWER
DESIGNED BY:



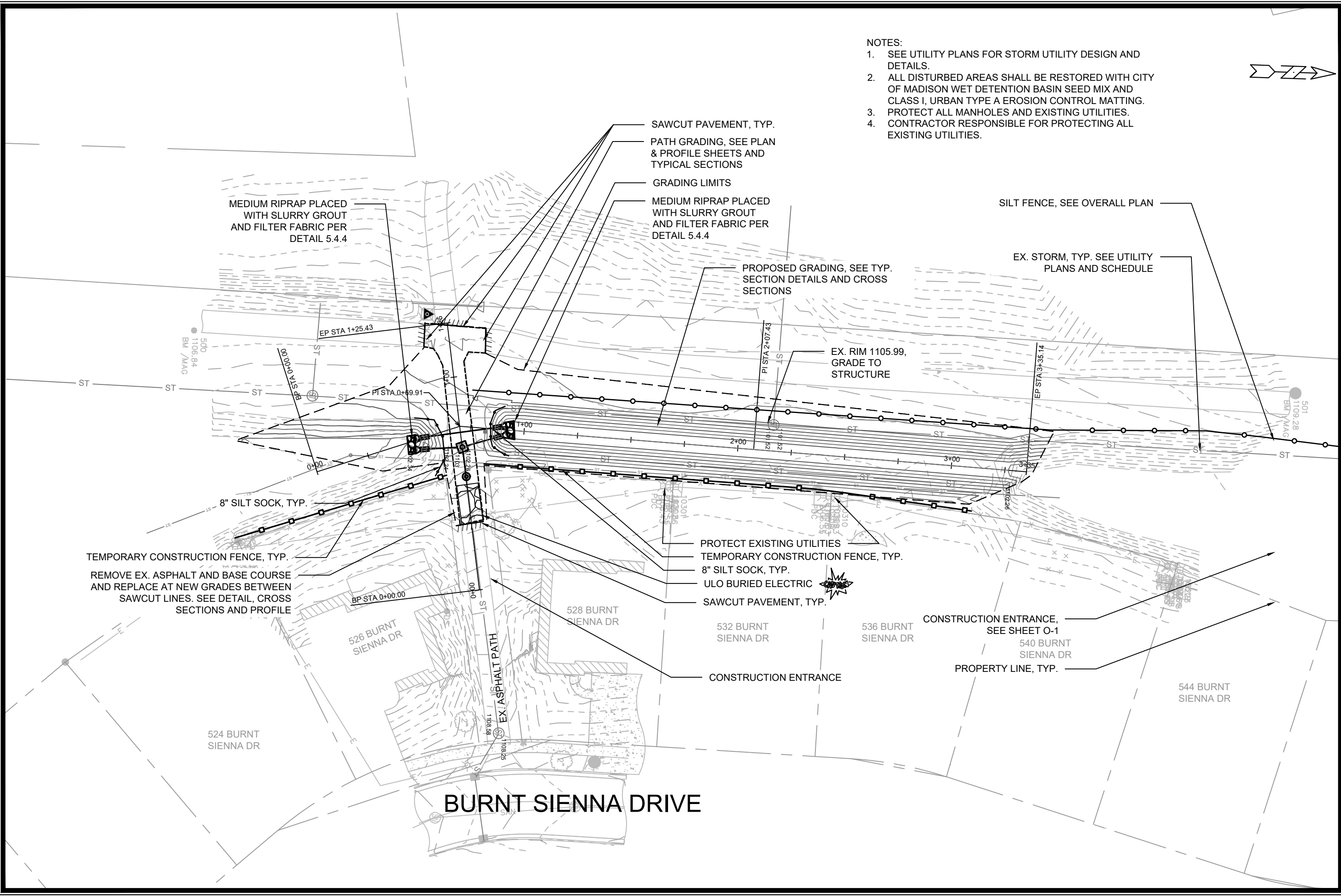
07/16/2026



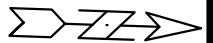
- NOTES:
1. SEE UTILITY PLANS FOR STORM UTILITY DESIGN AND DETAILS.
 2. ALL DISTURBED AREAS SHALL BE RESTORED WITH CITY OF MADISON WET DETENTION BASIN SEED MIX AND CLASS I, URBAN TYPE A EROSION CONTROL MATTING.
 3. PROTECT ALL MANHOLES AND EXISTING UTILITIES.



OVERVIEW PLAN		15960									
WILLOWS BIOBASIN REPAIR		MADISON, WI									
M:\DESIGN\Projects\15960\CAD\Storm\15960STM-Design.dwg		CONTRACT NO: 9733									
		<table border="1"> <tr> <th>MARK</th> <th>REVISION</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		MARK	REVISION	DATE	BY				
MARK	REVISION	DATE	BY								
15960		O-1									

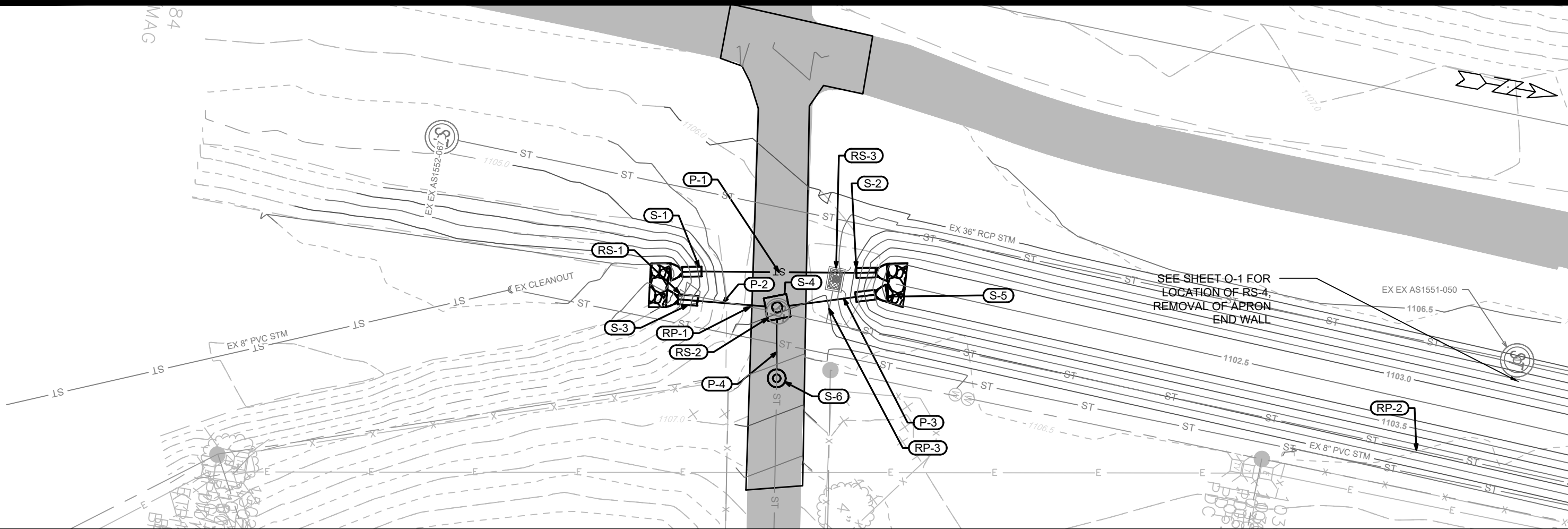


- NOTES:
1. SEE UTILITY PLANS FOR STORM UTILITY DESIGN AND DETAILS.
 2. ALL DISTURBED AREAS SHALL BE RESTORED WITH CITY OF MADISON WET DETENTION BASIN SEED MIX AND CLASS I, URBAN TYPE A EROSION CONTROL MATTING.
 3. PROTECT ALL MANHOLES AND EXISTING UTILITIES.
 4. CONTRACTOR RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES.

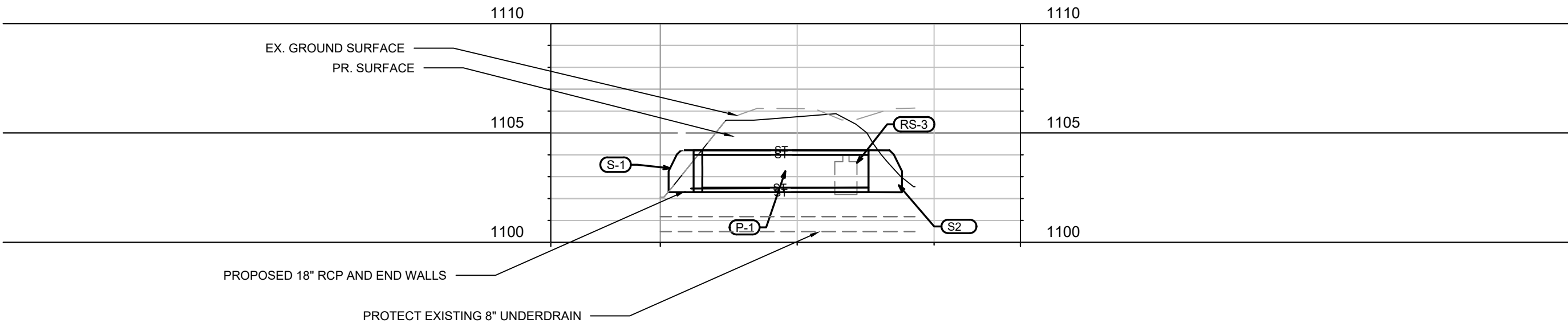


15960		MADISON, WI		CONTRACT NO: 9733	
GRADING AND EROSION CONTROL		WILLOWS BIOBASIN REPAIR		M:\DESIGN\Projects\15960\CAD\Storm\15960STM-Design.dwg	
		15960		GE-1	
		REVISION		DATE	
		BY		BY	
		MARK		Scale: 1" = 40'	
		Designed By: SCL		Date: 7/15/2026 7:26 PM	
		15960		GE-1	

84
MAG



PROFILE VIEW OF P1



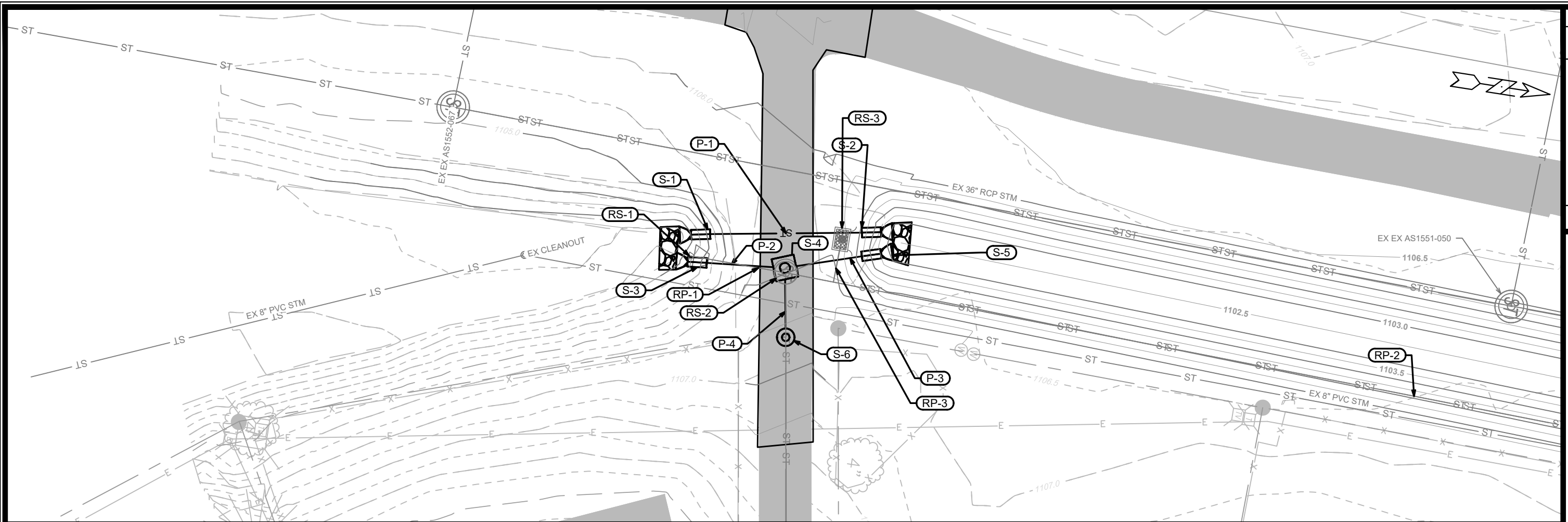
MARK	REVISION	DATE	BY
15960	7/15/2026 7:26 PM	15960	U-1

15960
MADISON, WI
CONTRACT NO: 9733

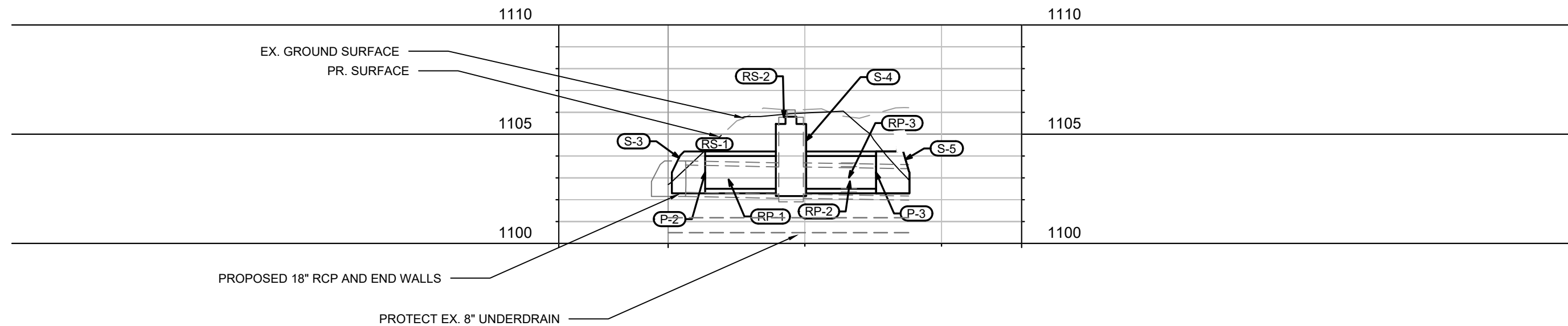
UTILITY PLANS
WILLOWS BIOBASIN REPAIR
M:\DESIGN\Projects\15960\CAD\Sewers\15960SWR-PnP.dwg



15960
U-1



PROFILE VIEW OF P2-P3

[illegible]

15960
MADISON, WI
CONTRACT NO: 9733

UTILITY PLANS
WILLOWS BIOBASIN REPAIR
M:\DESIGN\Projects\15960\CAD\Sewers\15960SWR-PnP.dwg



15960
U-2

STORM SEWER SCHEDULE

WEST BADGER MILL GREENWAY IMPROVEMENTS	SHEET NO.
PROJECT NO. 15960	U-4
STORM SEWER SCHEDULE	
CITY OF MADISON	

U-4

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	0+47.08	LT-0.57	18 INCH RCP AE	-	1102.50	-	
S-2	91+73	LT-1.17	18 INCH RCP AE	-	1102.50	-	
S-3	46+36	RT-4.58	18 INCH RCP AE	-	1102.50	-	w/ gate
S-4	67+98	RT-10.27	4X4 STORM SAS	1105.80	1102.50	-	w/R-1550-0054
S-5	92+51	RT-2.84	18 INCH RCP AE	-	1102.50	-	w/ gate
S-6	0+75.20	RT-23.92	4'X4' CATCH BASIN w/ 3' SUMP	1106.61	1103.00	-	w/R-1550-0054

STORM STRUCTURE REMOVALS & ADJUSTMENTS

ID NO.	STATION	LOCATION	TYPE	DEPTH	NOTES	ID NO.
RS-1			15 INCH RCP AE			EX AE2472-014
RS-2			4' DIA. STORM SAS			EX AS1551-032
RS-3			H INLET			EX IN1551-076
RS-4			15 INCH RCP AE			EX AE 1551-077

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1	S-2	1102.50	1102.50	31	31	0.00%	18"	RCP	-
P-2	S-3	S-4	1102.50	1102.50	16	16	0.00%	18"	RCP	-
P-3	S-4	S-5	1102.50	1102.50	16	16	0.00%	18"	RCP	-
P-4	S-4	S-6	1102.5	1103.00	14	14	3.57%	18"	RCP	

STORM PIPE REMOVALS & ADJUSTMENTS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAID LGTH (FT)	PIPE SIZE	PIPE TYPE	NOTES
RP-1	S-1	S-2	20.00	0.00	15"	PVC	
RP-2	S-3	S-4	256.00	0.00	15"	PVC	
RP-3	S-5	S-6	8.70	0.00	8"	PVC	
RP-4	RS-1	S-6	13.00	18.00	18"	RCP	

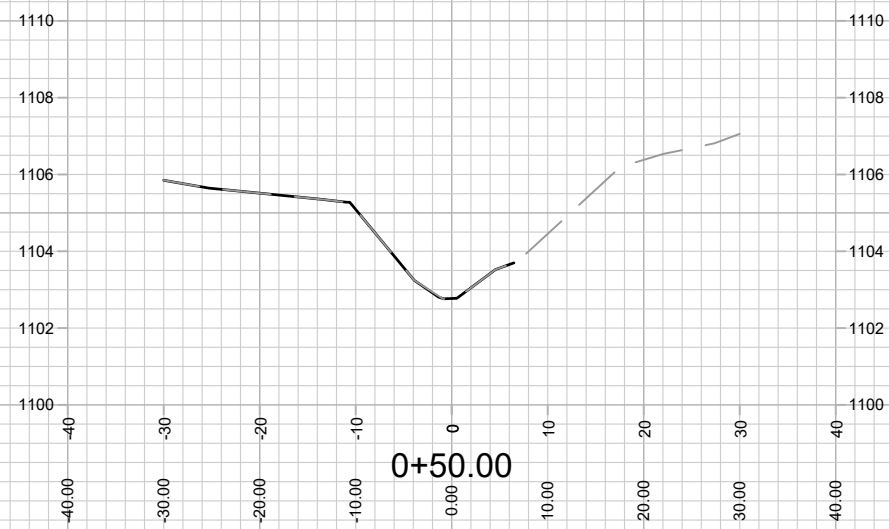
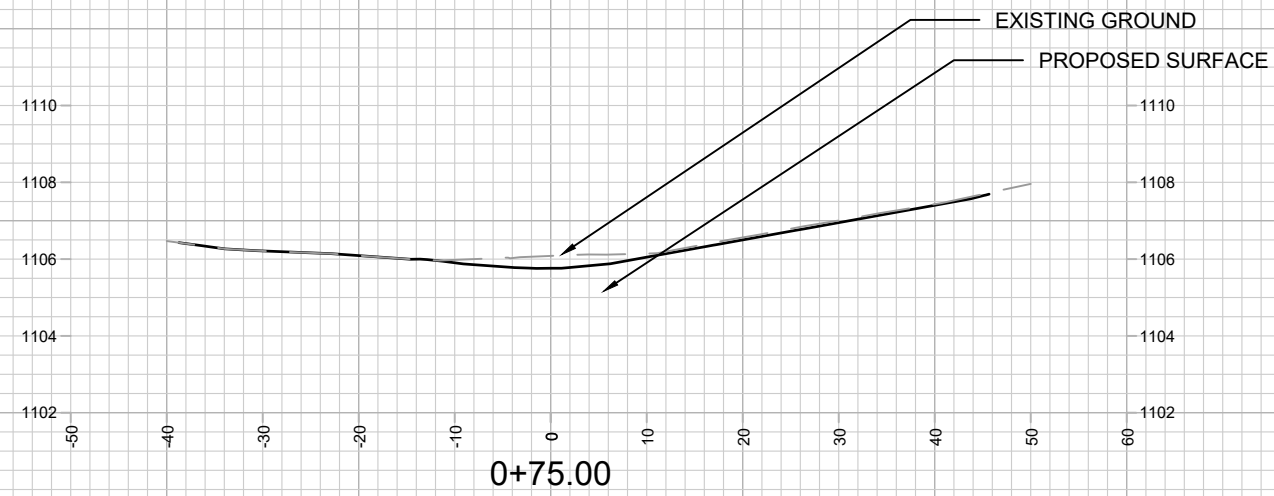
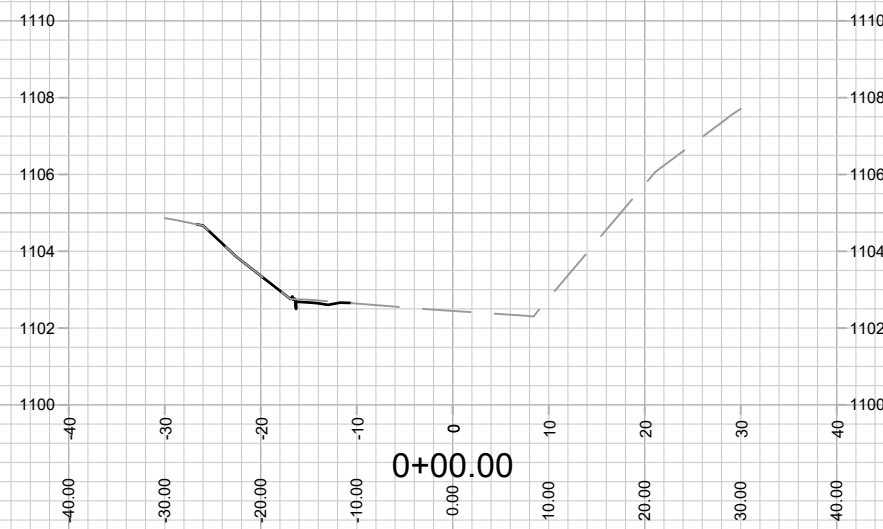
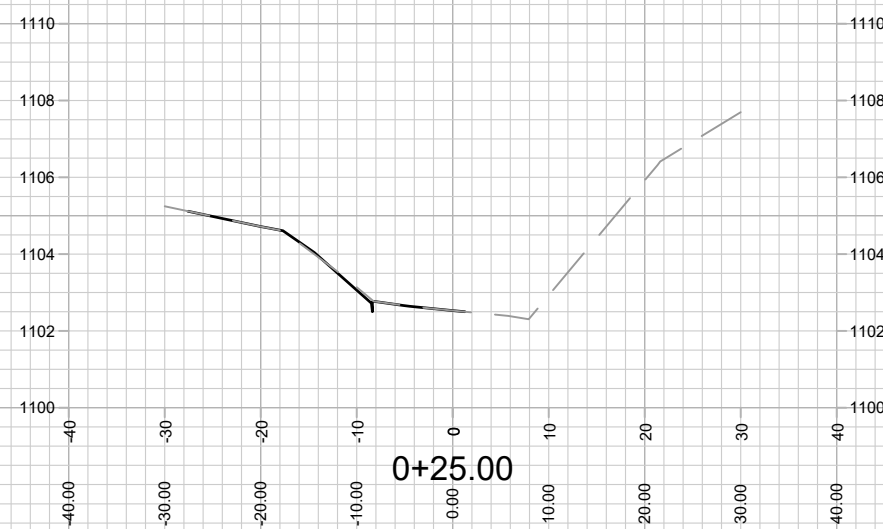
SPECIFIC NOTES:

- [1] CONSTRUCTION PER SDD 5.7.3A WITH A 3' SUMP
- [2] CONTRACTOR TO VERIFY EXISTING PIPE SIZES, LOCATIONS, AND INVERTS PRIOR TO CONSTRUCTION
- [3] APRONG ENDWALL LOCATIONS COORDINATES ARE TO THE END(INV) OF APRON ENDWALL

STANDARD NOTES:

- 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
- PLAN LENGTH (PAY LENGTH) IS FROM BACK OF STRUCTURE TO BACK OF STRUCTURE FOR APRON END WALLS, AND CENTER OF STRUCTURE FOR STORM SAS AND CATCH BASINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECT PLAN LENGTHS BASED ON MEASURED PLANS AND CONSTRUCTION SHOP DRAWINGS. NO ADDITIONAL COMPENSATION WILL BE GIVEN BASED ON DISCREPANCIES IN PLAN LENGTH.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS.
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS 3 UNLESS OTHERWISE NOTED.

- 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 IF PRECAST IS PREFERRED CONSTRUCTION FOR APPROVAL SLERNER@CITYOFMADISON.COM
- ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
- SURVEYOR TO CONFIRM STATION/OFFSETS FOR ALL STRUCTURES AND PIPES.



15960

X-1

CROSS SECTIONS - SWALE

WILLOWS BIOBASIN REPAIR

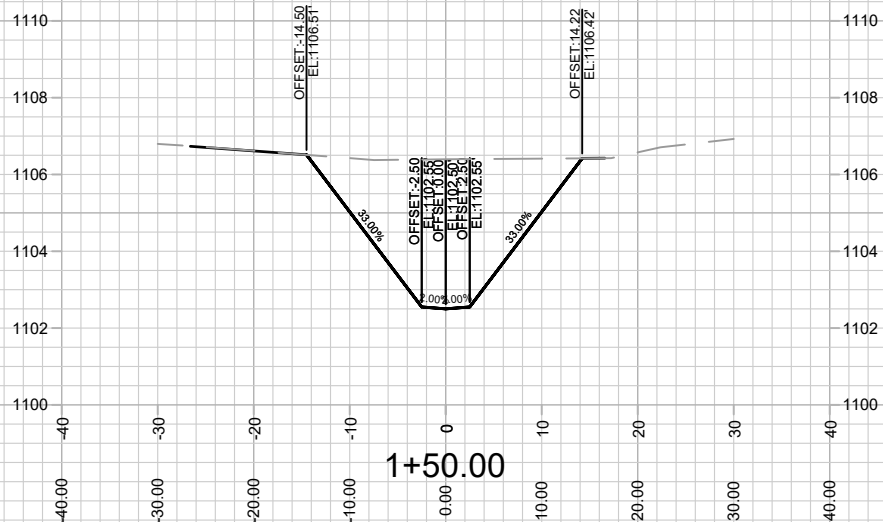
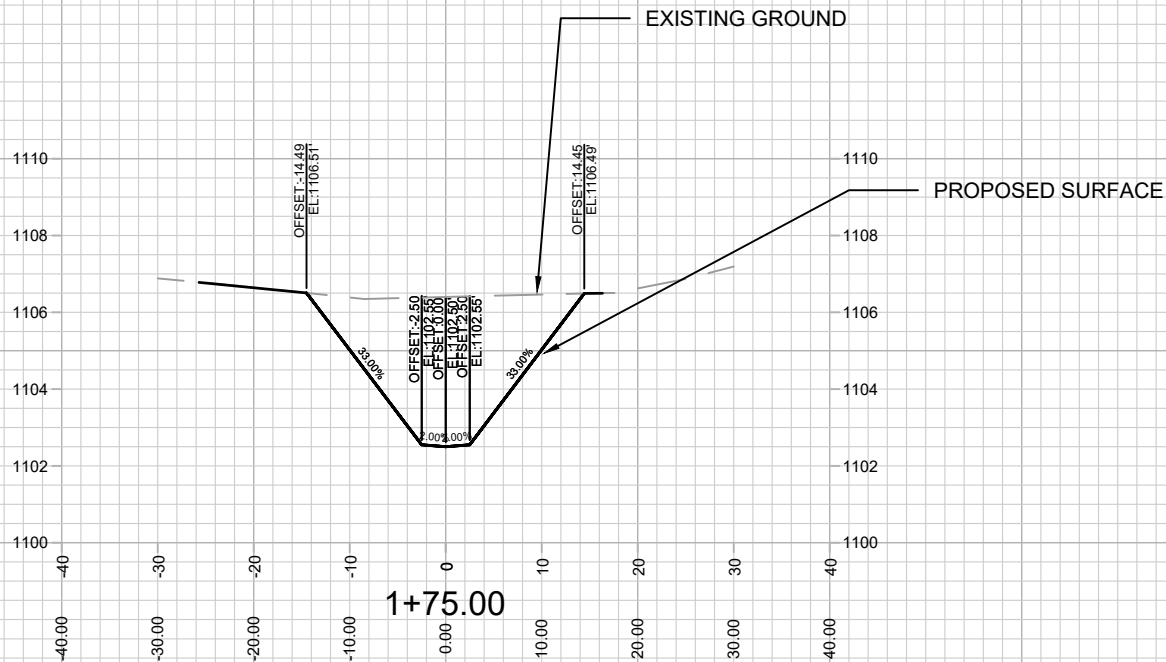
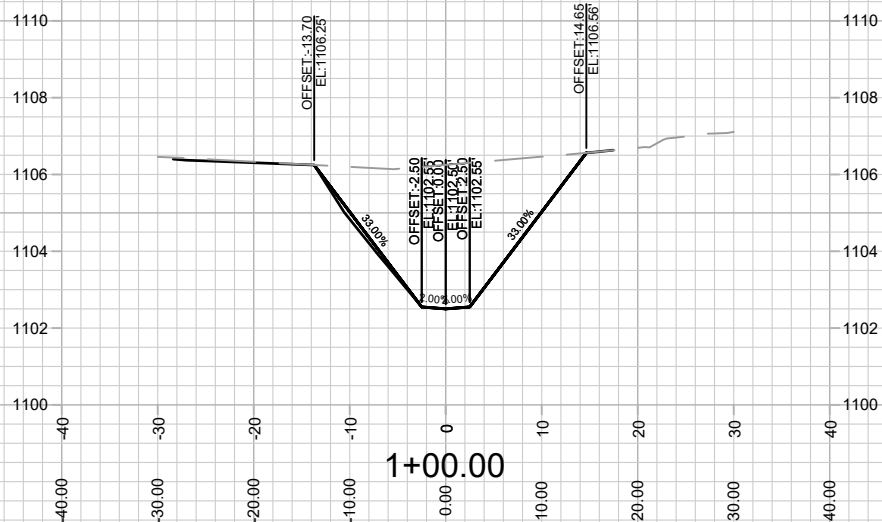
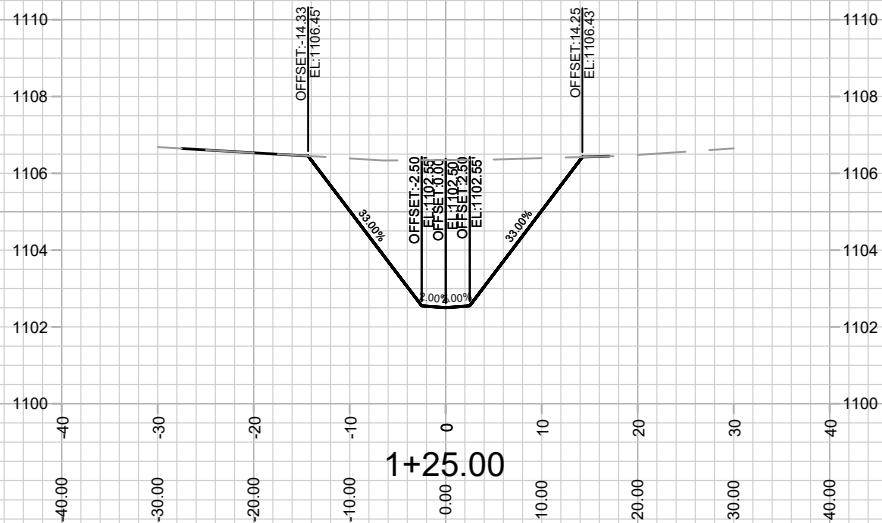
M:\DESIGN\Projects\15960\CAD\Storm\15960S IM-Design.dwg

15960

MADISON, WI

CONTRACT NO: 9/33

MARK	REVISION	DATE	BY
Designed By: SCL	Date: 7/15/2026	7:25 PM	
15960			X-1

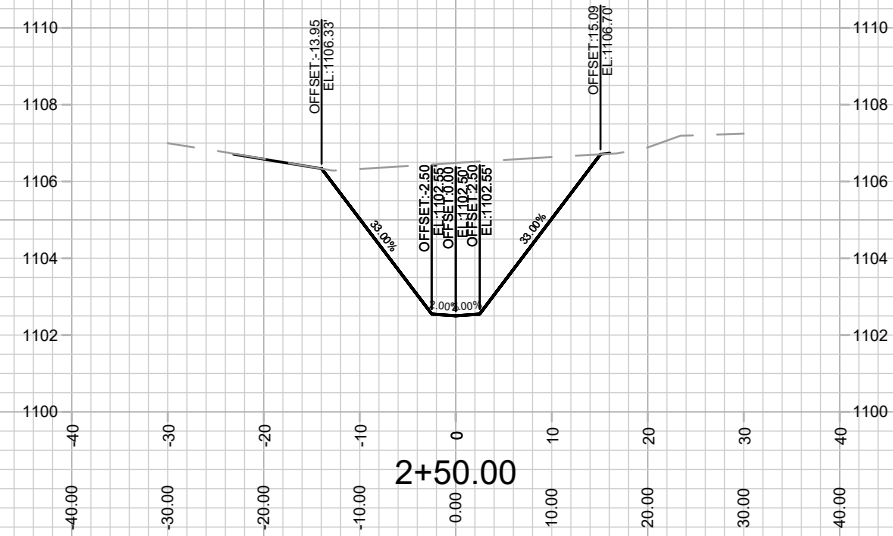
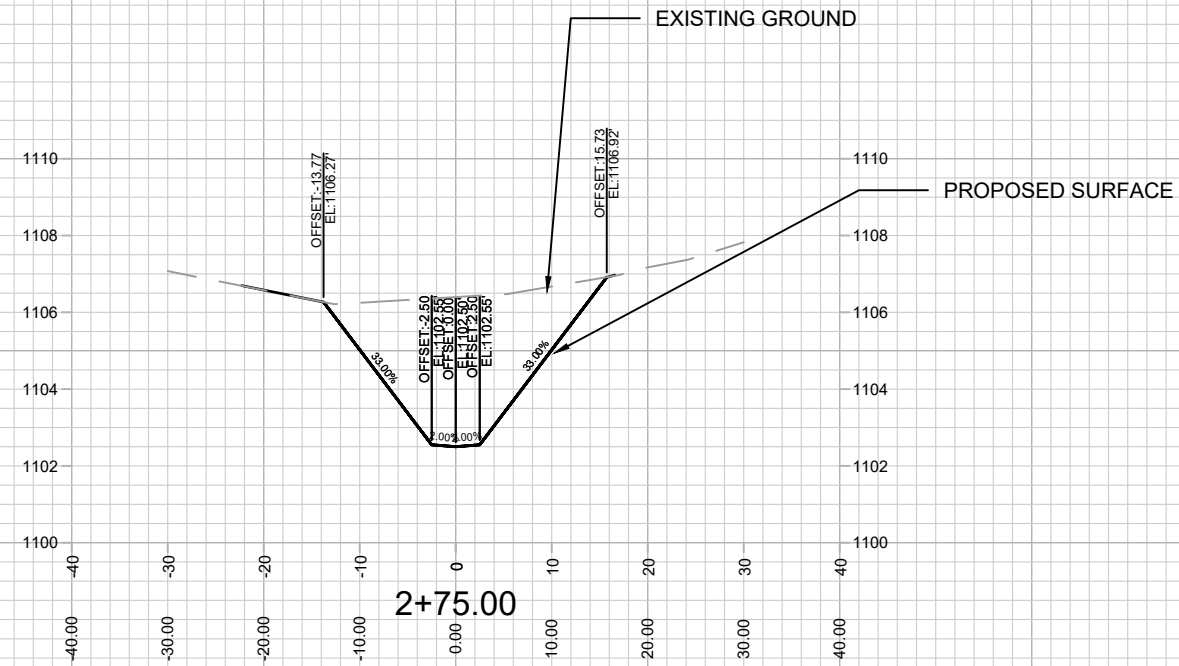
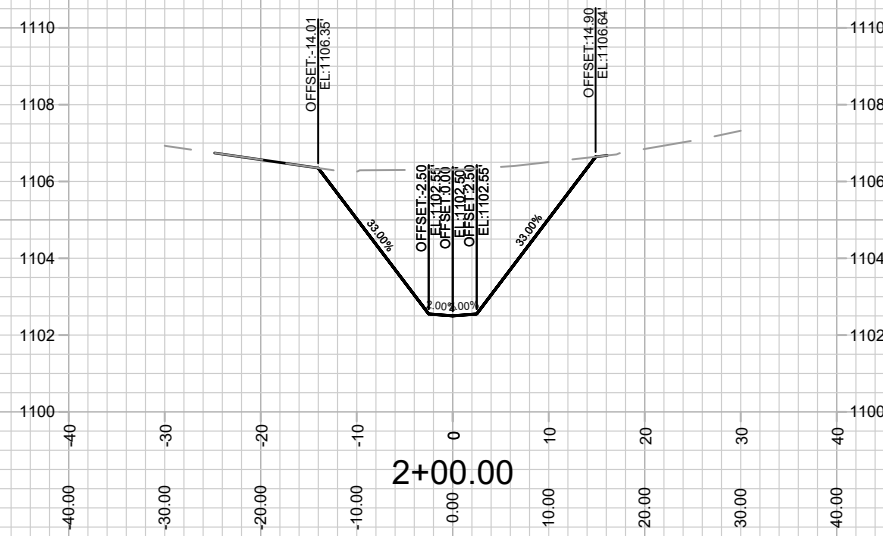
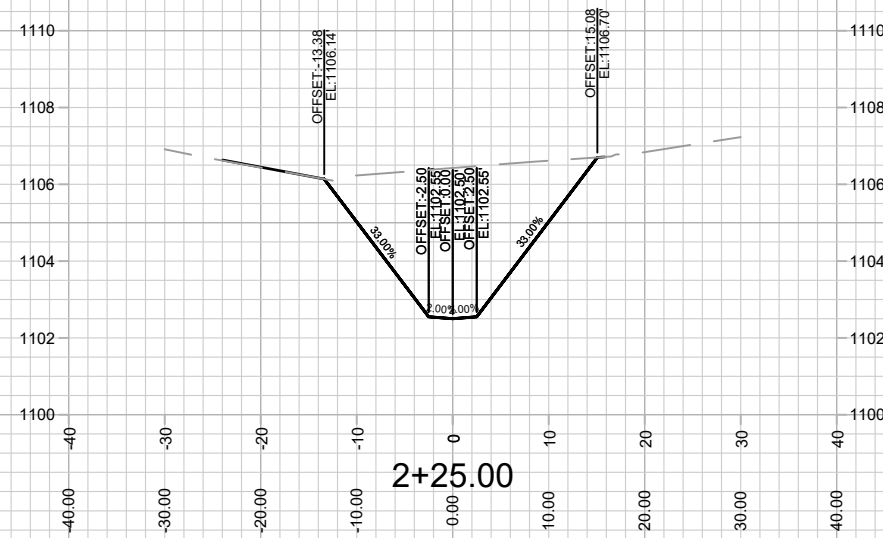


DATE	BY
REVISION	DATE
MARK	REVISION
15960	7/15/2026 7:25 PM
15960	Scale: 1" = 20'
15960	X-2

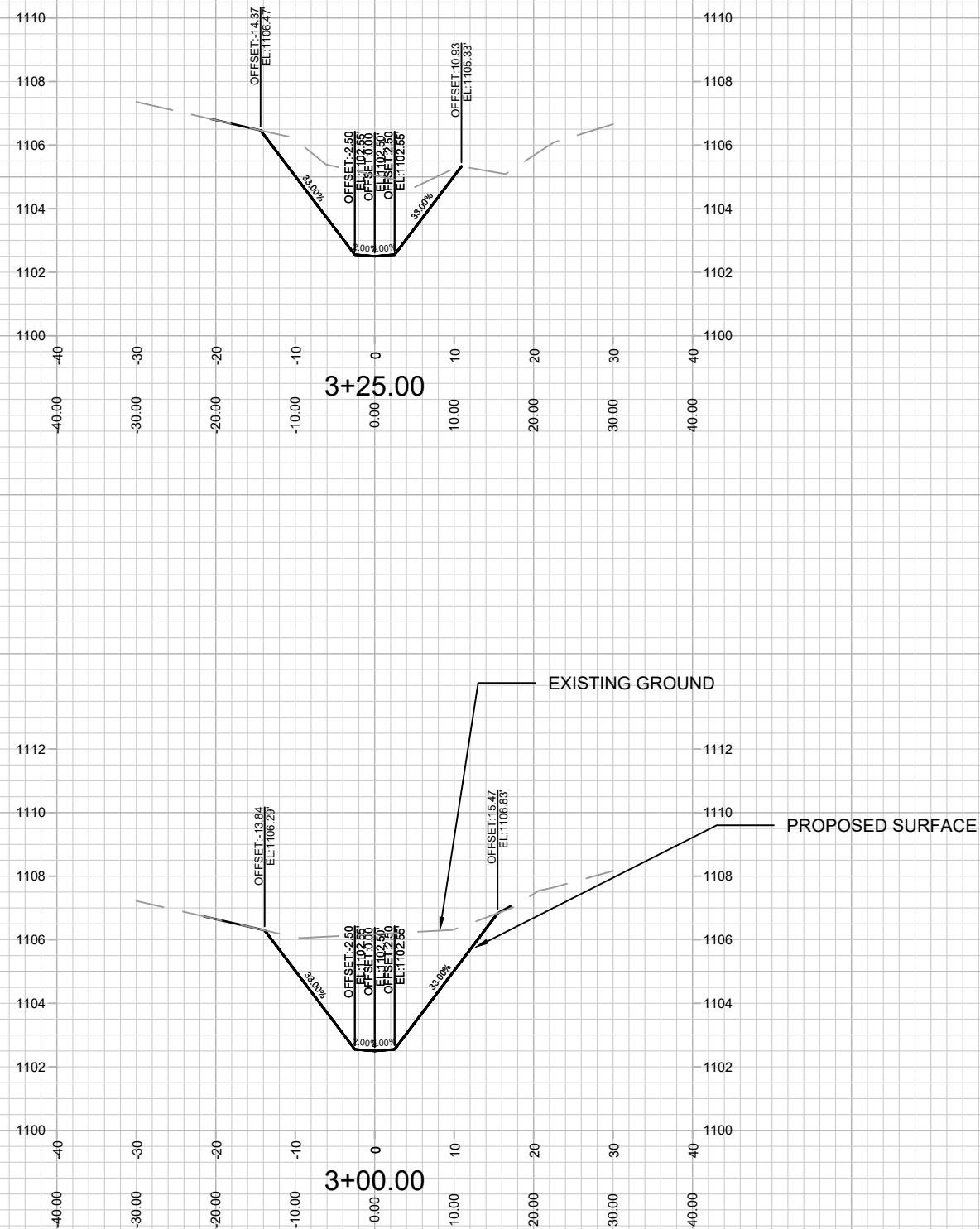
15960
MADISON, WI
CONTRACT NO: 9733
CROSS SECTIONS - SWALE
WILLOWS BIOBASIN REPAIR
M:\DESIGN\Projects\15960\CAD\Storm\15960STM-Design.dwg



15960
X-2



MARK	REVISION	DATE	BY
15960	Designed By: SCL	Date: 7/15/2026 7:26 PM	Scale: 1" = 20'
			X-3



15960
X-4

CROSS SECTIONS - SWALE
WILLOWS BIOBASIN REPAIR

M:\DESIGN\Projects\15960\CAD\Storm\15960STM-Design.dwg

15960	MADISON, WI	9733
CONTRACT NO:		

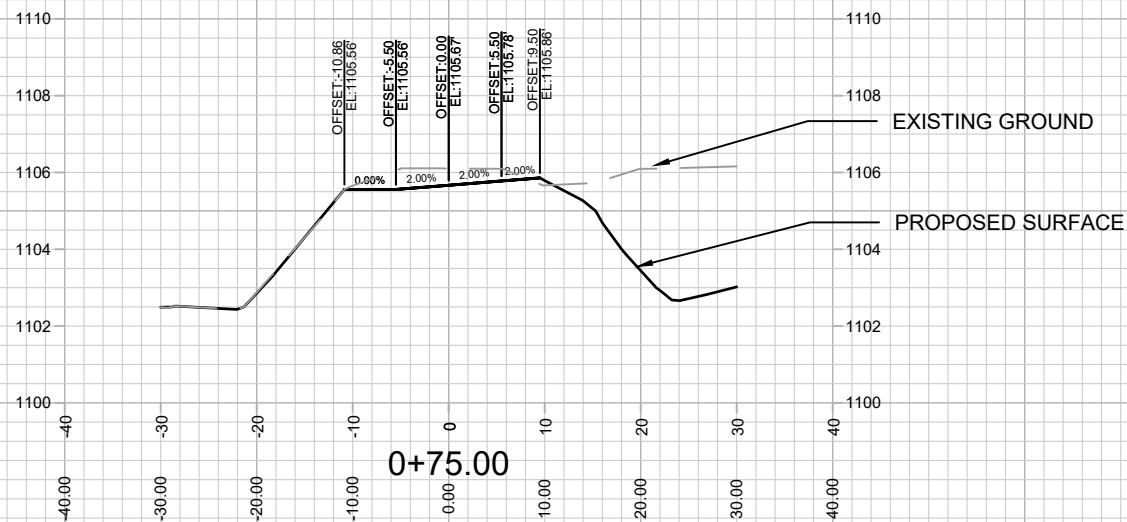
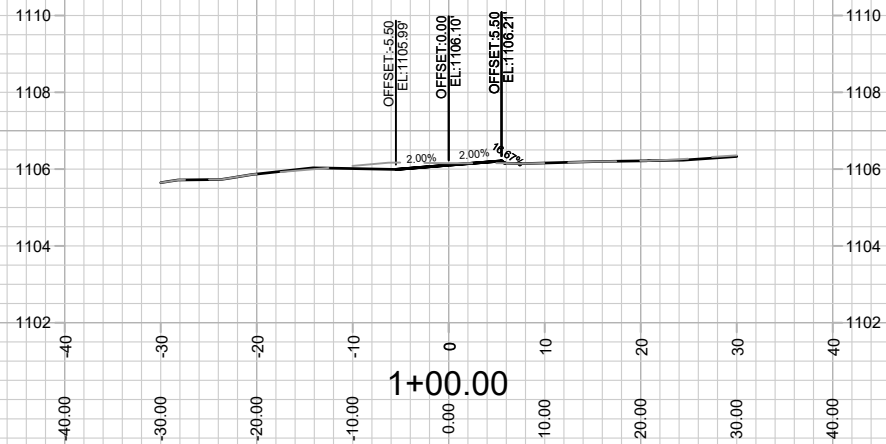
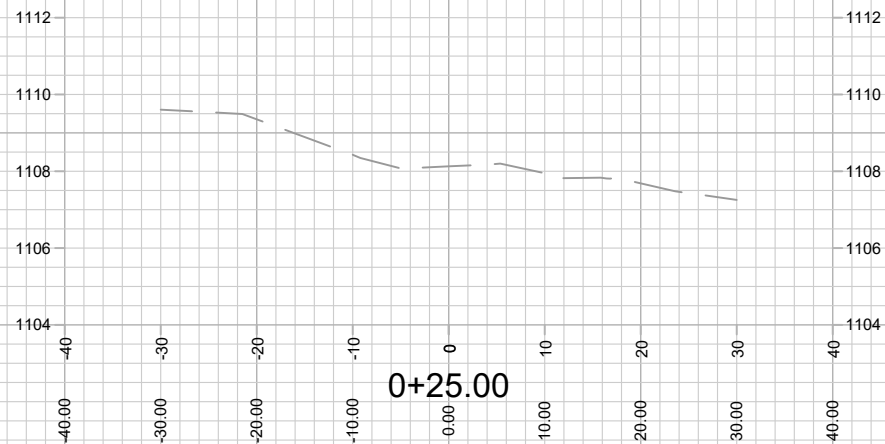
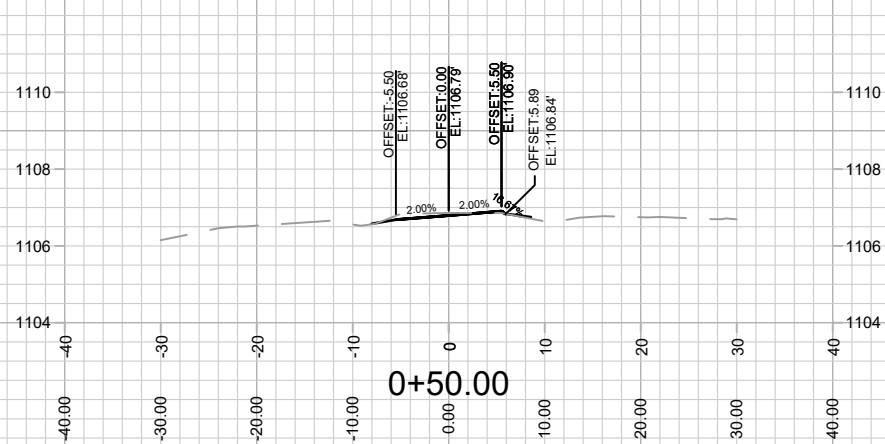
15960

MADISON, WI

9733

[illegible]

BY	0'	X-4
----	----	-----



DATE	BY
REVISION	DATE
MARK	15960
Designed By: SCL	15960
Date: 7/15/2026 7:25 PM	Scale: 1" = 20'

15960

MADISON, WI

9733

CONTRACT NO:

CROSS SECTIONS - PATH

WILLOWS BIOBASIN REPAIR

M:\DESIGN\Projects\15960\CAD\Storm\15960STM-Design.dwg



15960

X-5

