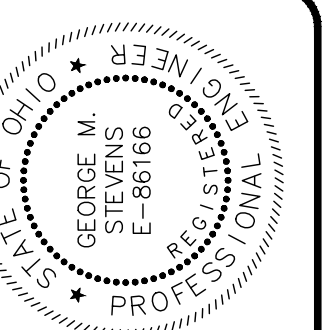
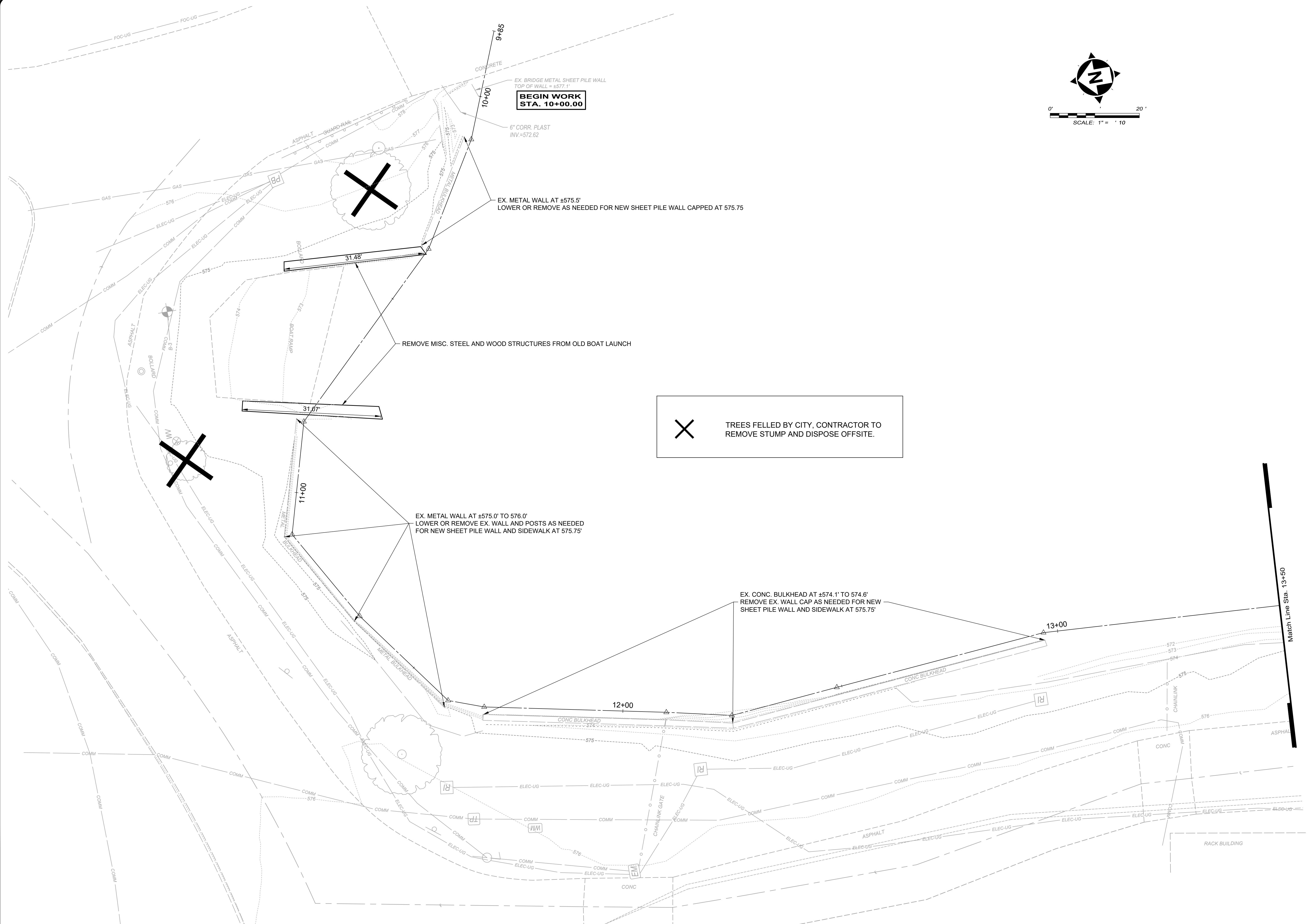
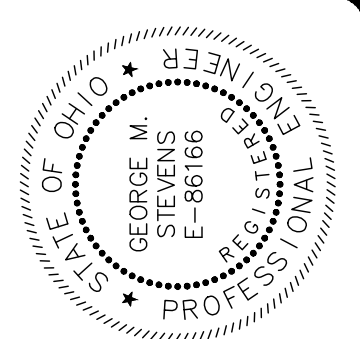
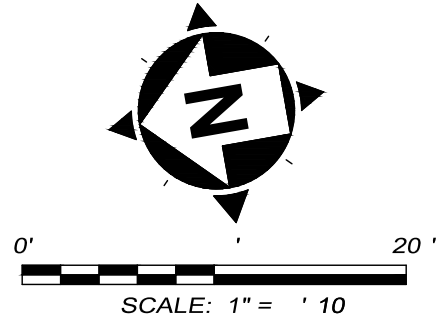
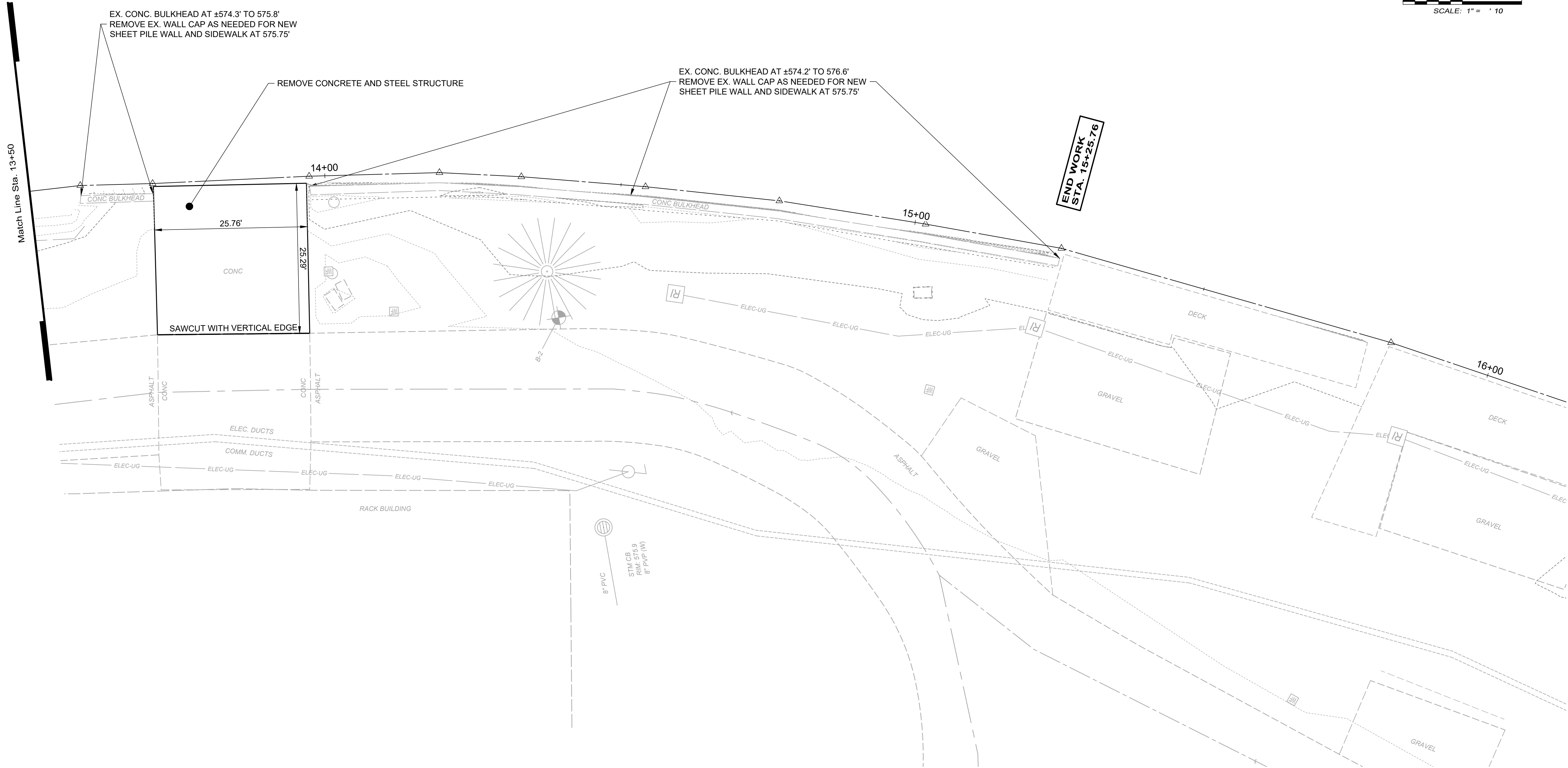




ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	3/25/25			
SCALE:	AS SHOWN			
DESIGNED BY:	GMS			
DRAWN BY:	GMS			
CHECKED BY:	GEA			

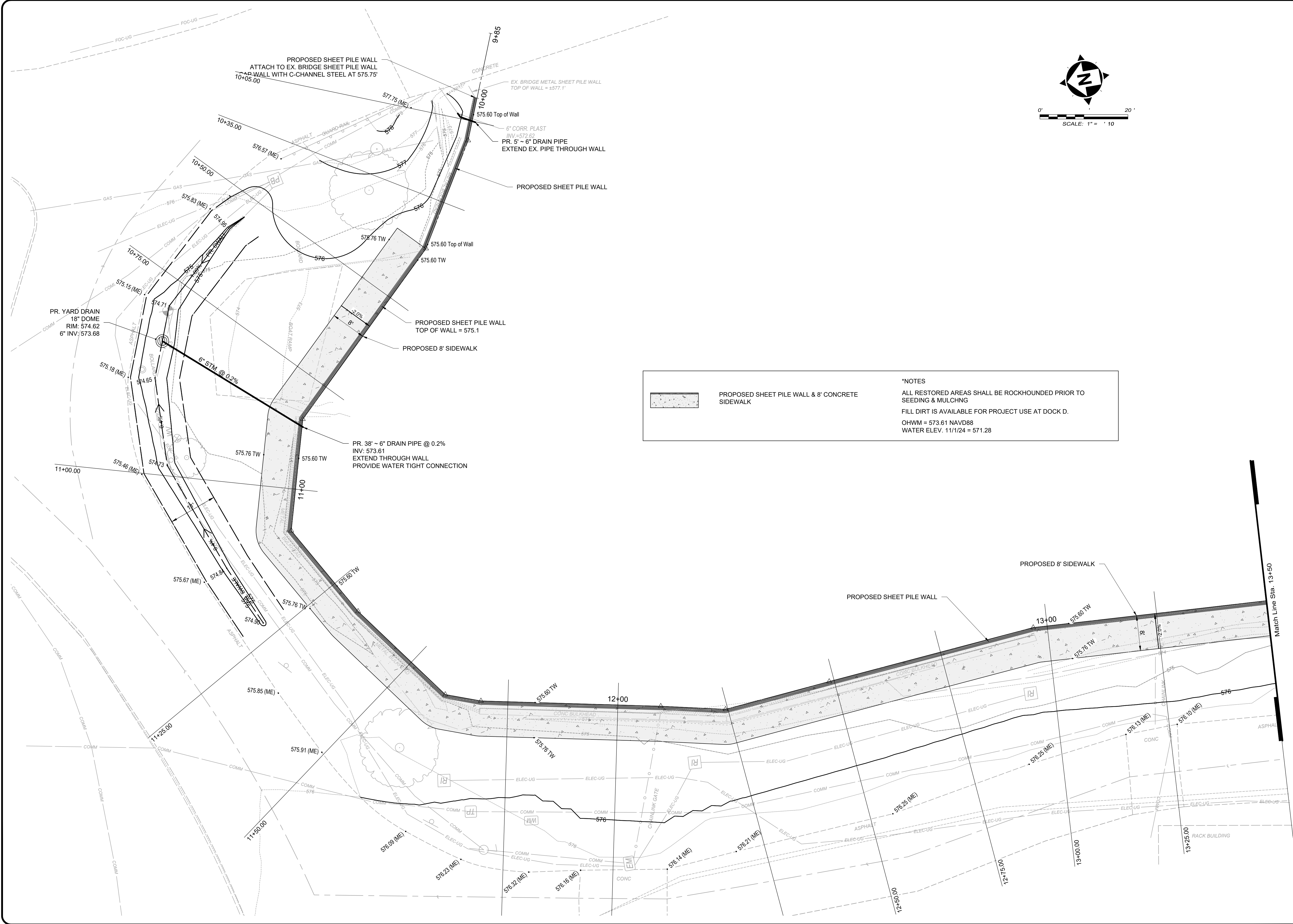
PROJECT NO.	
242584	
DISCIPLINE	
CIVIL	
SHEET NAME	
DEMO-1	
SHEET	OF
2	10



ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	3/25/25			
SCALE:	AS SHOWN			
DESIGNED BY:	GMS			
DRAWN BY:	GMS			
CHECKED BY:	GEA			

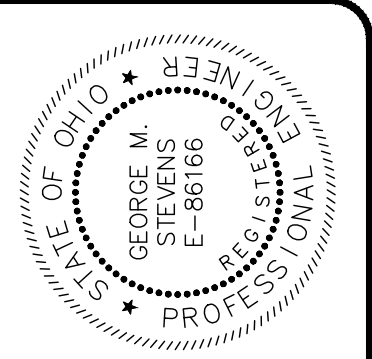
CITY OF MENTOR	
MENTOR LAGOONS BULKHEAD REPLACEMENT	
PHASE 6	
LAKE COUNTY	MENTOR, OHIO
EXISTING CONDITIONS AND DEMO PLAN - 2	
STA. 13+50 TO 15+00	

PROJECT NO.	
242584	
DISCIPLINE	
CIVIL	
SHEET NAME	
DEMO-2	
SHEET	OF
3	10



PROPOSED SHEET PILE WALL & 8' CONCRETE
SIDEWALK

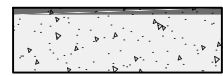
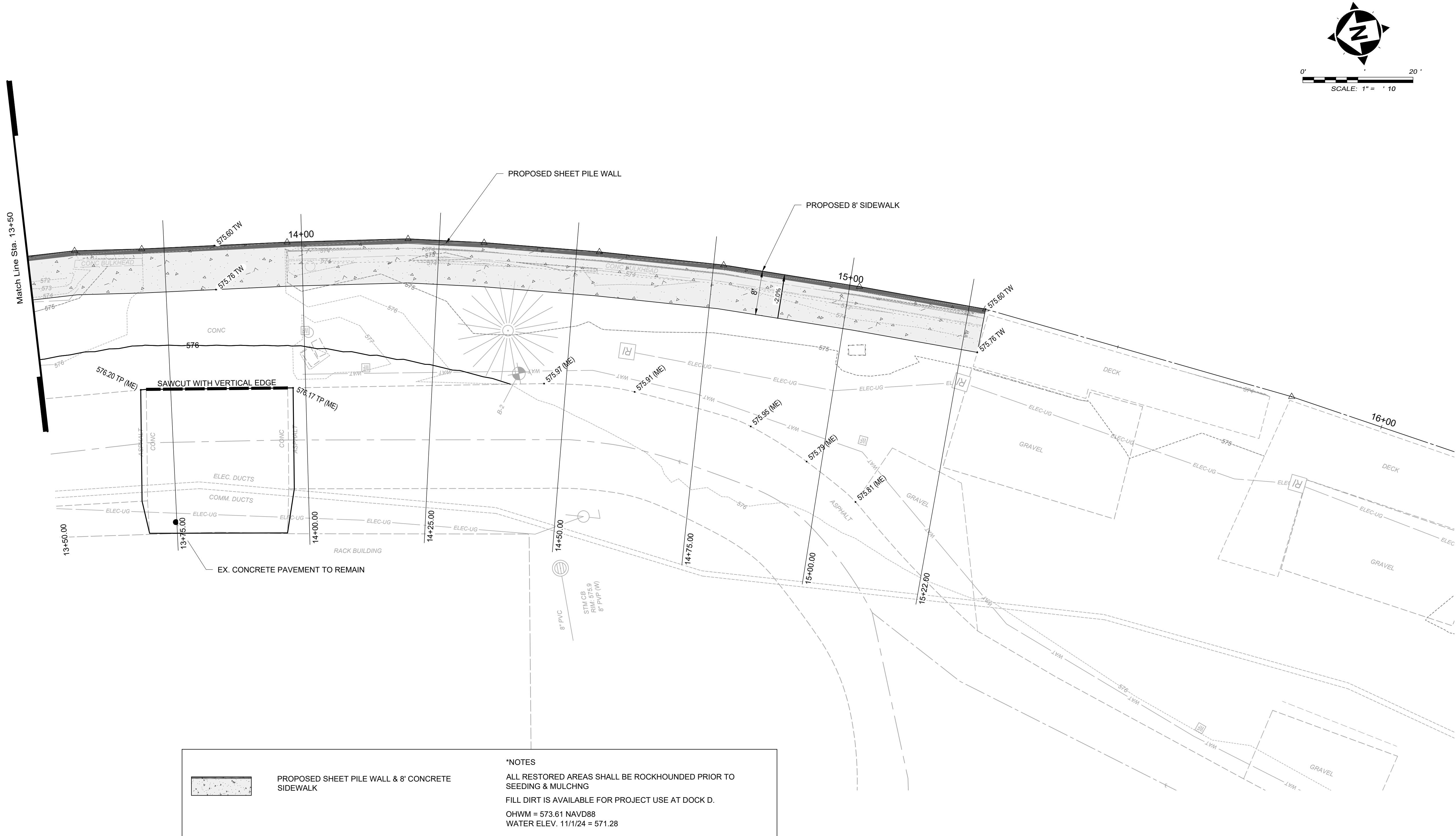
***NOTES**
ALL RESTORED AREAS SHALL BE ROCKHOUSED PRIOR TO
SEEDING & MULCHNG
FILL DIRT IS AVAILABLE FOR PROJECT USE AT DOCK D.
OHWM = 573.61 NAVD88
WATER ELEV. 11/1/24 = 571.28



ISSUED FOR:	BID SET:	NO.	REVISION	DATE
	3/25/25			
ISSUE DATE:	AS SHOWN			
SCALE:				
DESIGNED BY:	GMS			
DRAWN BY:	GMS			
CHECKED BY:	GEA			

CITY OF MENTOR	MENTOR, OHIO
MENTOR LAGOONS BULKHEAD REPLACEMENT	PHASE 6
LAKE COUNTY	SITE LAYOUT PLAN - 1
	STA. 10+00 TO 13+50

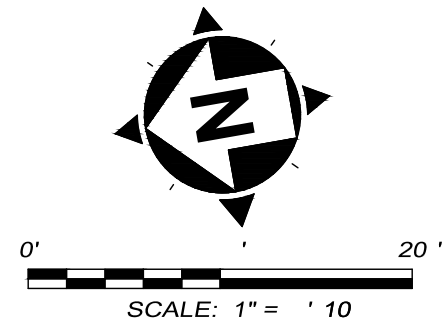
PROJECT NO.	242584
DISCIPLINE	CIVIL
SHEET NAME	SITE-1
SHEET	OF
4	10



PROPOSED SHEET PILE WALL & 8' CONCRETE
SIDEWALK

*NOTES

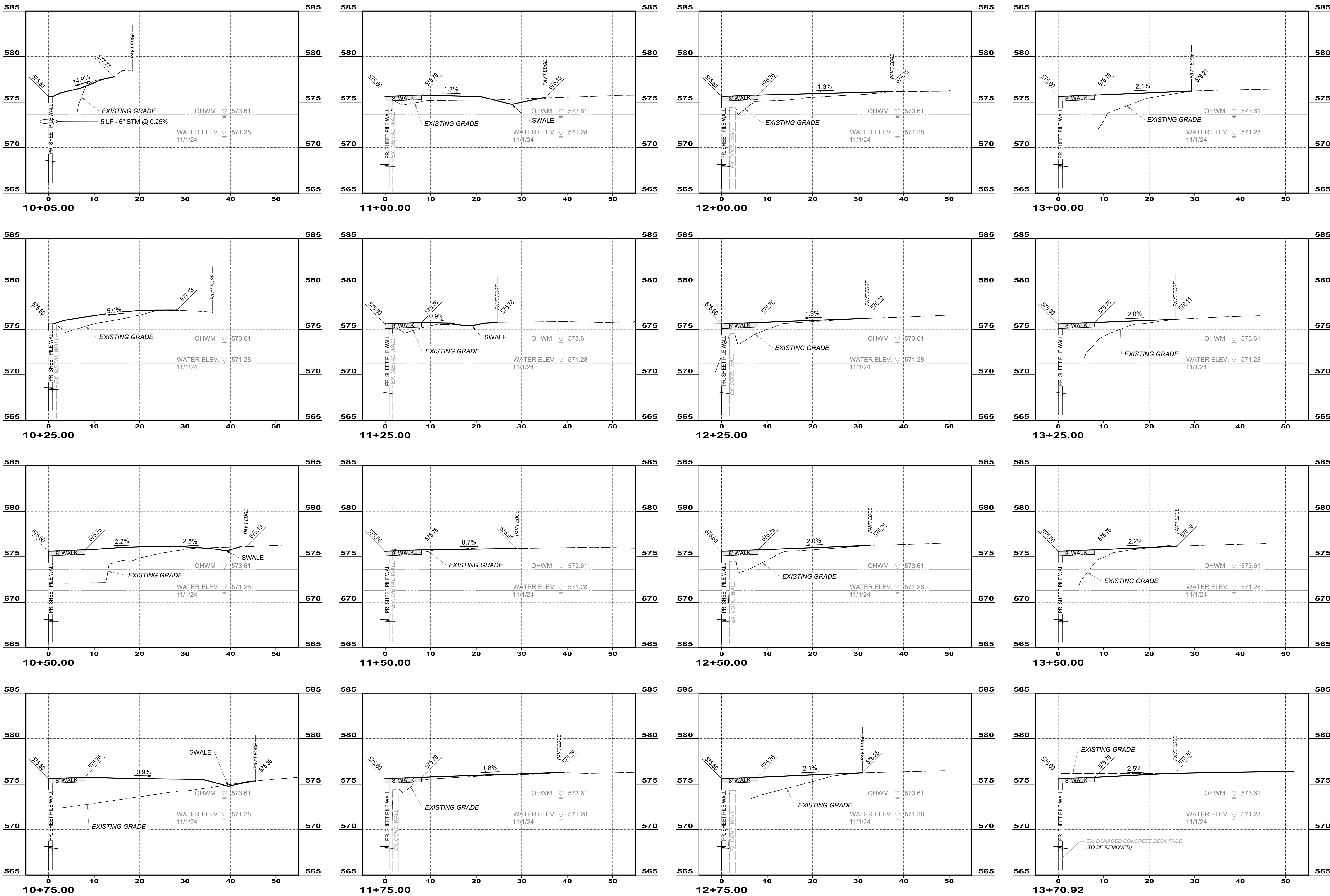
ALL RESTORED AREAS SHALL BE ROCKHOUNDED PRIOR TO
SEEDING & MULCHNG
FILL DIRT IS AVAILABLE FOR PROJECT USE AT DOCK D.
OHWM = 573.61 NAVD88
WATER ELEV. 11/1/24 = 571.28



ISSUED FOR:	BID SET	NO	REVISION	DATE
3/25/25				
ISSUE DATE:	3/25/25			
SCALE:	AS SHOWN			
DESIGNED BY:	GMS			
DRAWN BY:	GMS			
CHECKED BY:	GEA			

CITY OF MENTOR	
MENTOR LAGOONS BULKHEAD REPLACEMENT	
PHASE 6	
LAKE COUNTY MENTOR, OHIO	
SITE LAYOUT PLAN - 2	
STA. 13+50 TO 15+25.76	

PROJECT NO.	
242584	
DISCIPLINE	
CIVIL	
SHEET NAME	
SITE-2	
SHEET	OF
5	10



REVISION		DATE
NO		

ISSUED FOR:	BID SET:	3/25/25
ISSUE DATE:	AS SHOWN	
SCALE:	DESIGNED BY:	GMS
	DRAWN BY:	GMS
	CHECKED BY:	GEA

CITY OF MENTOR

MENTOR LAGOONS BULKHEAD REPLACEMENT

LAKE COUNTY

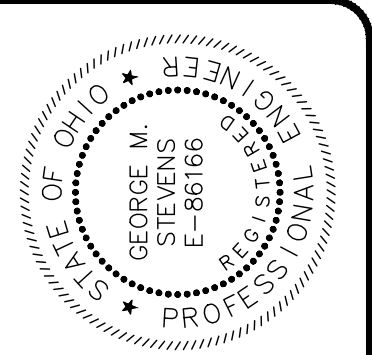
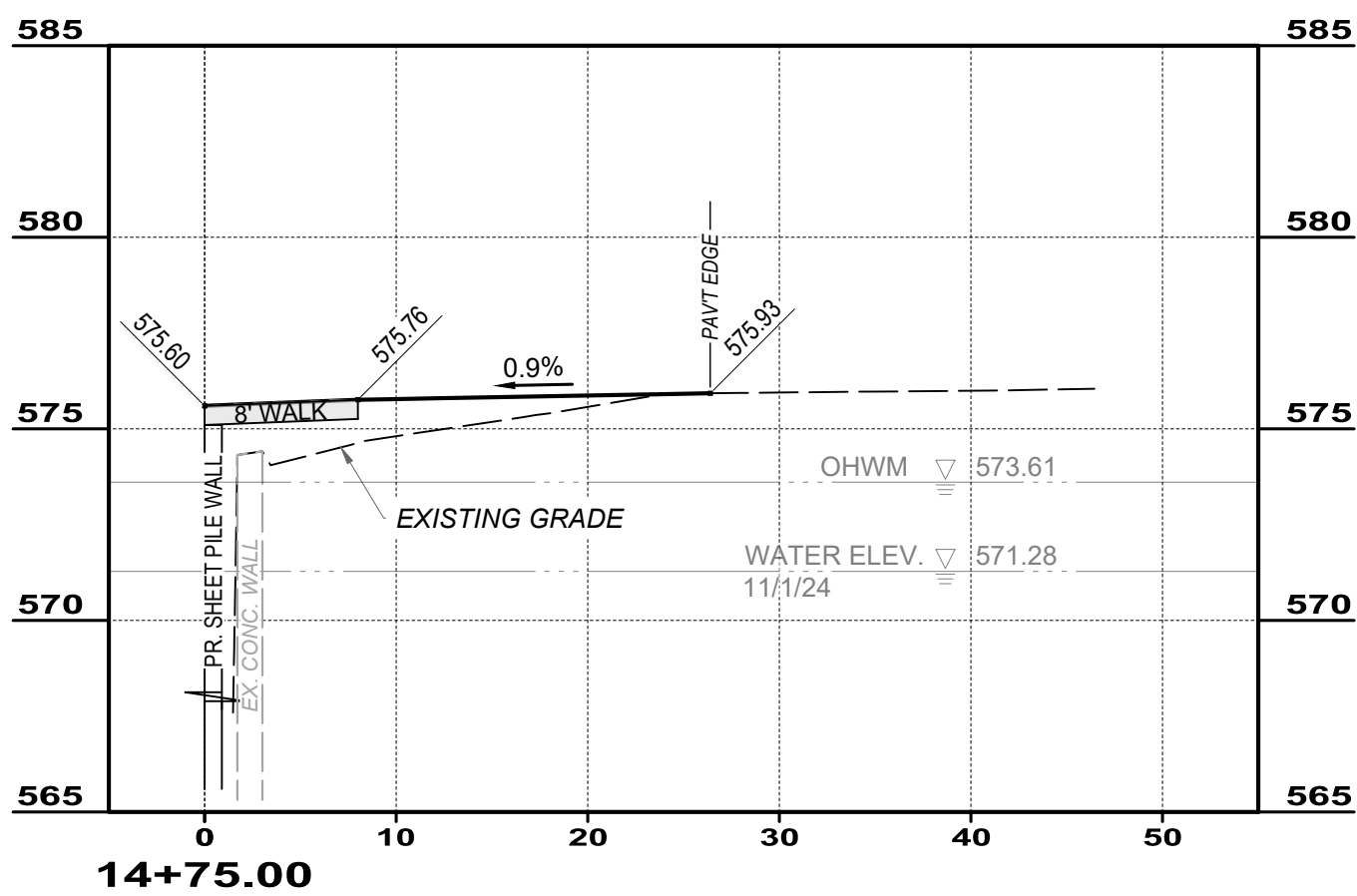
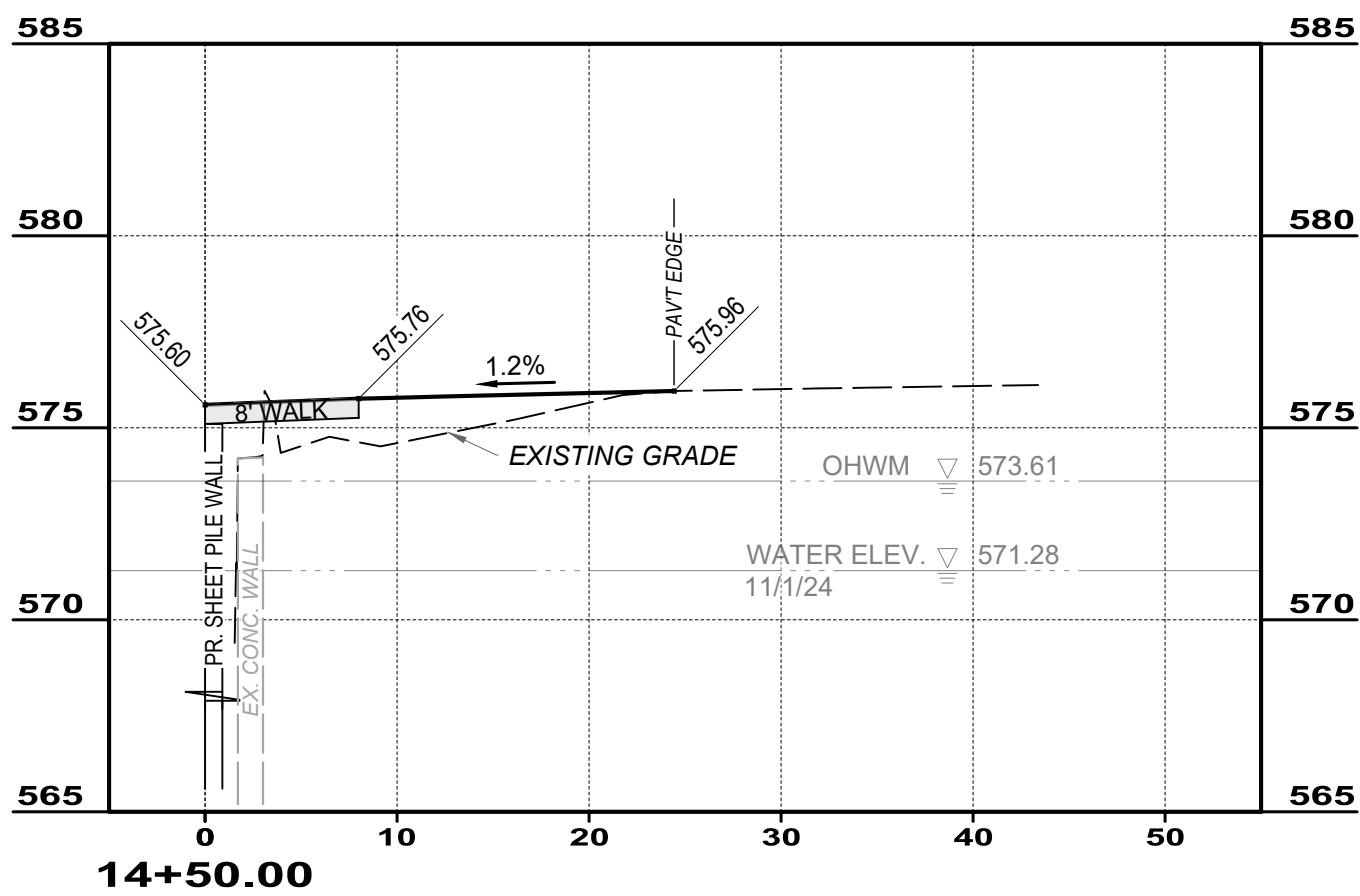
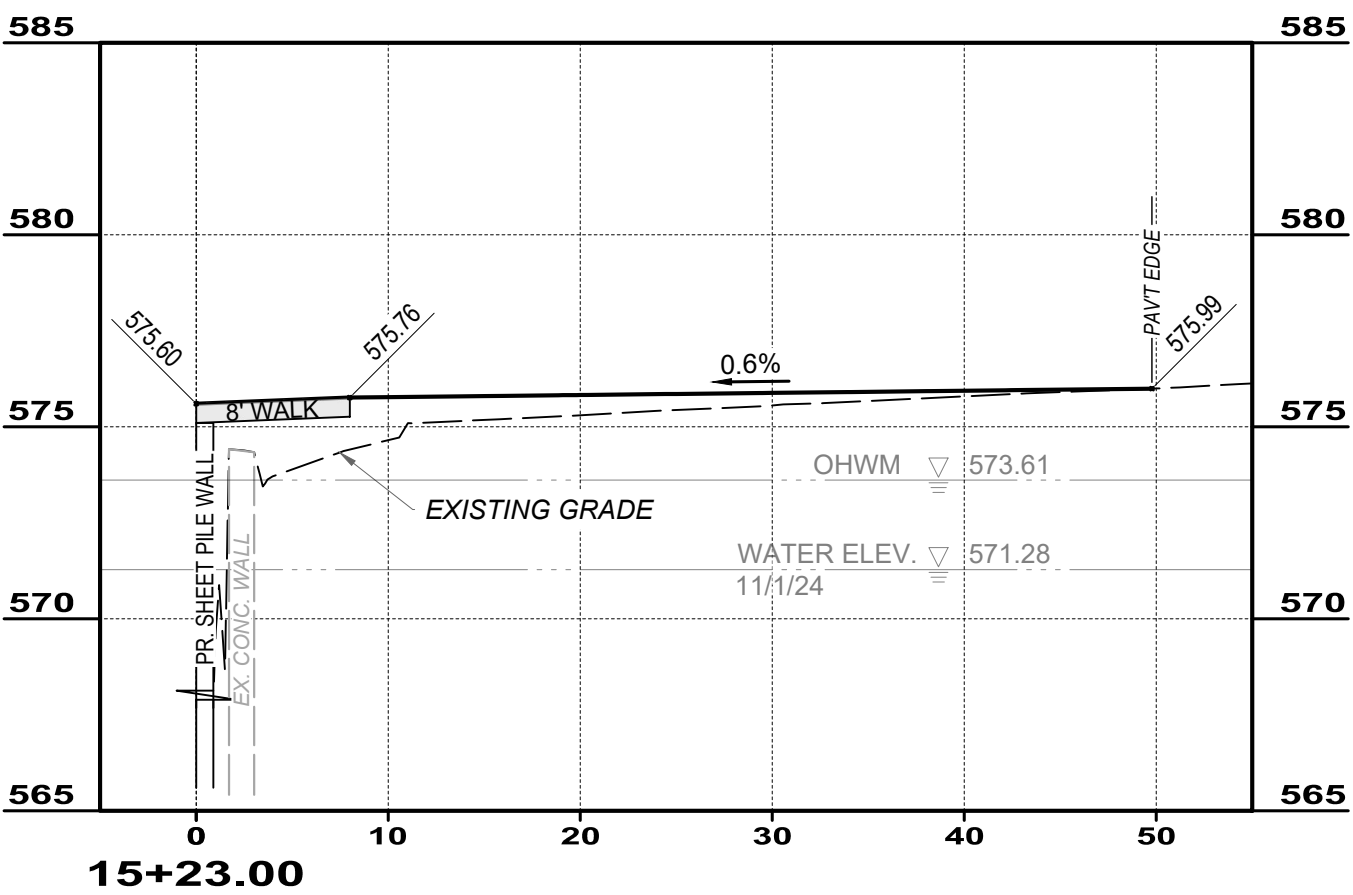
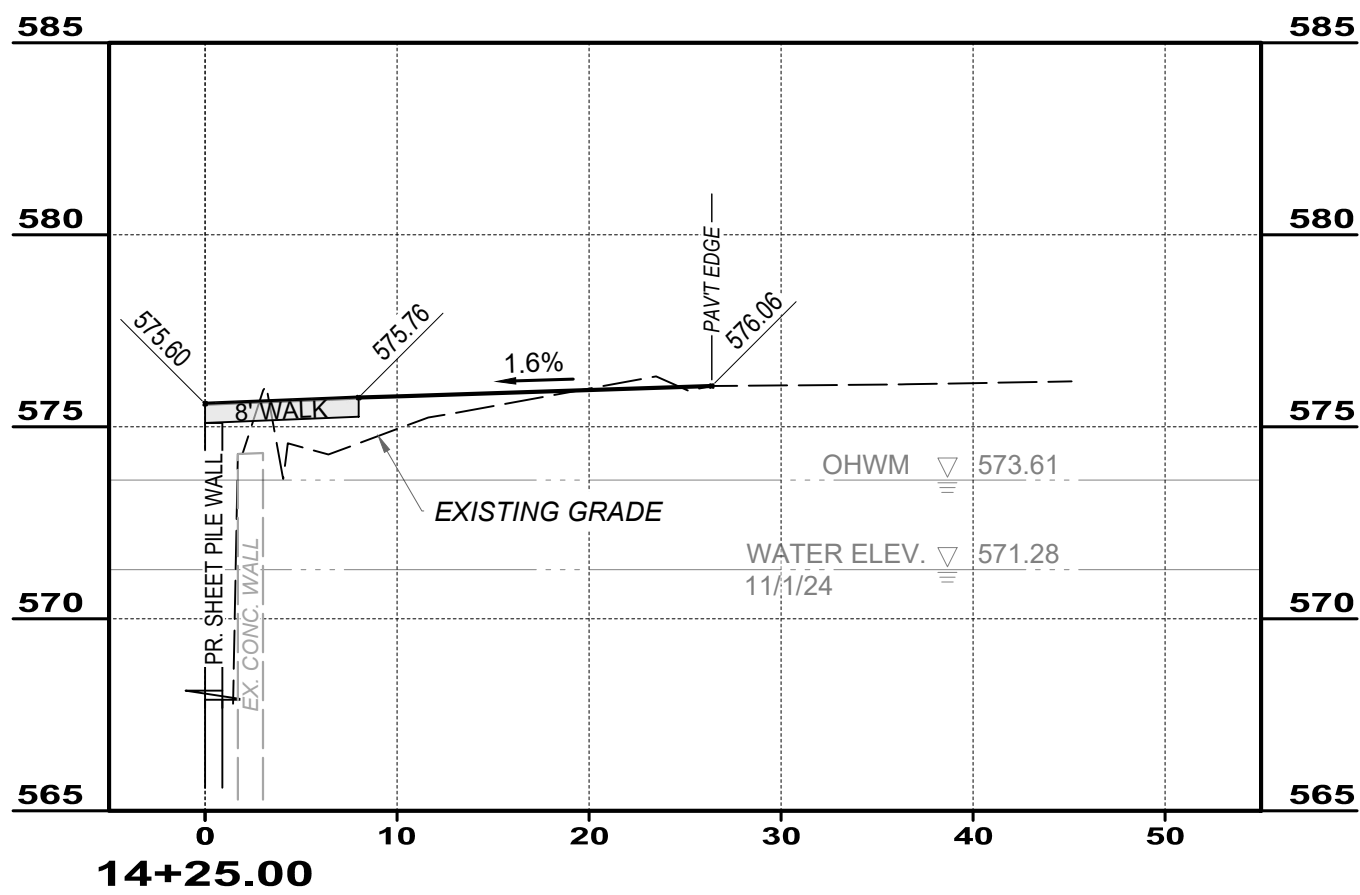
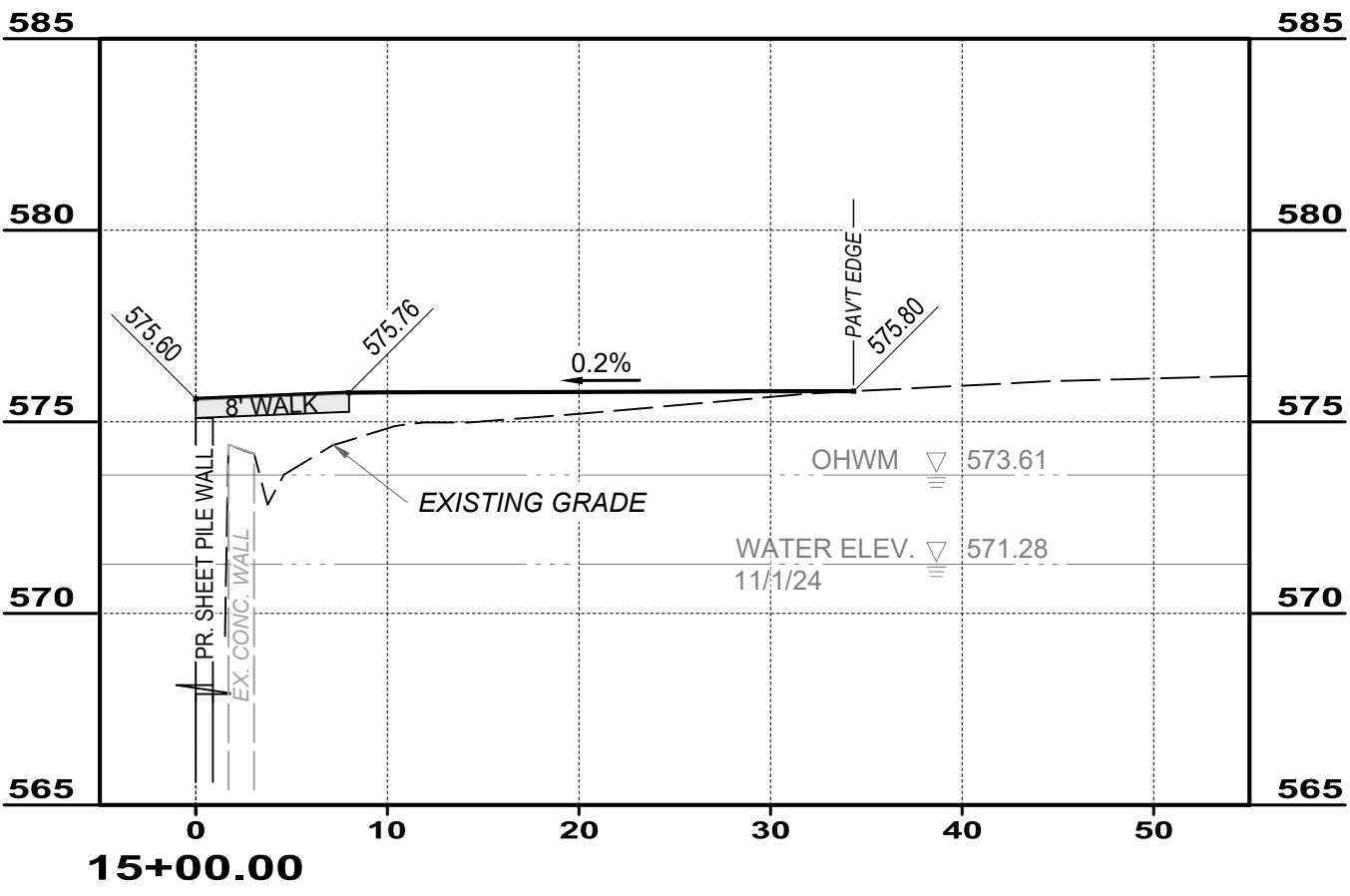
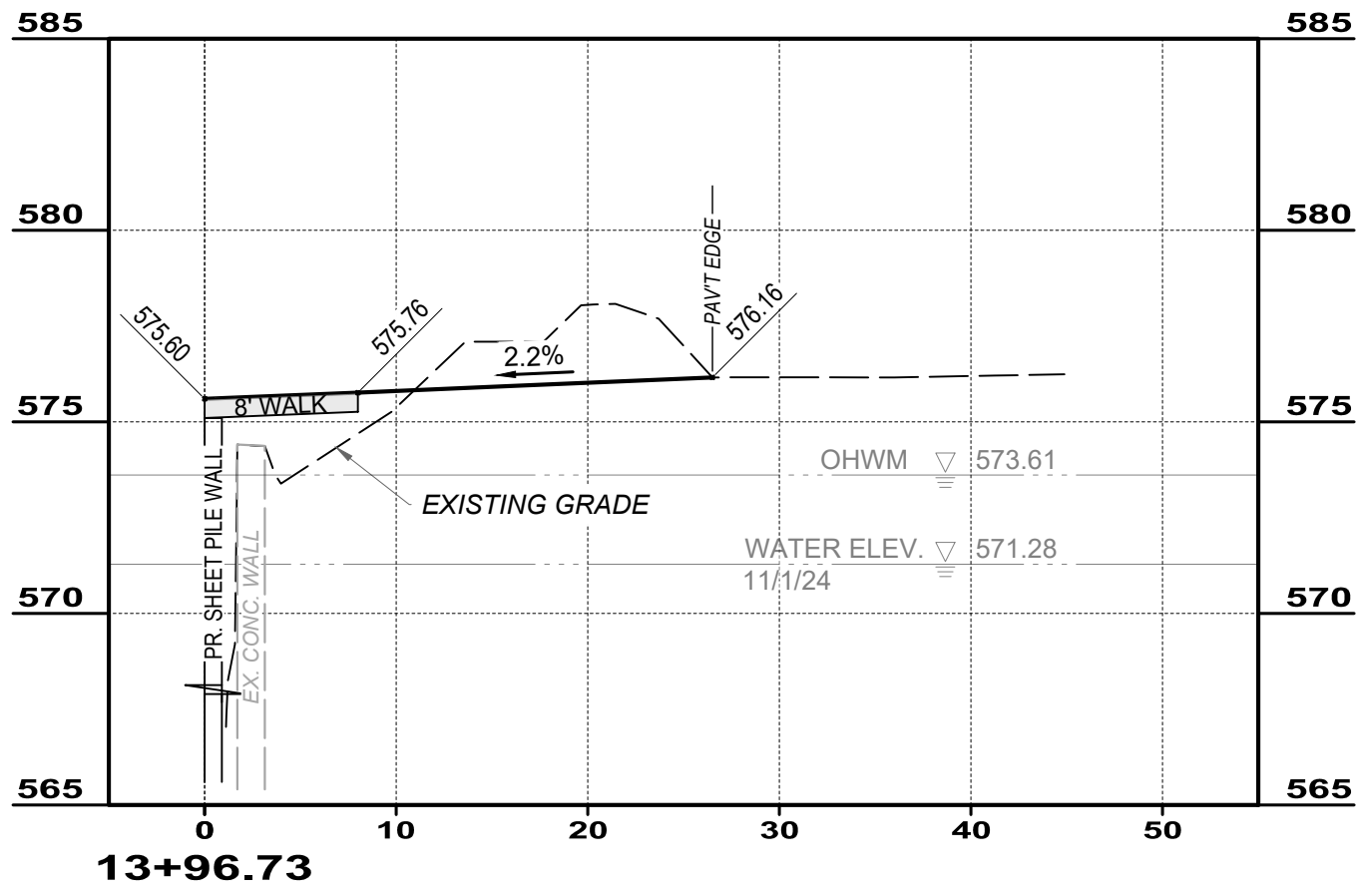
MENTOR, OHIO

PHASE 6

CROSS SECTIONS - 1

STA. 10+15 TO 13+75

PROJECT NO.	
242584	
DISCIPLINE	
CIVIL	
SHEET NAME	
X-SECT-1	
SHEET	OF
6	10



ISSUED FOR:	BID SET:	NO.	REVISION	DATE
ISSUE DATE:	3/25/25			
SCALE:	AS SHOWN			
DESIGNED BY:	GMS			
DRAWN BY:	GMS			
CHECKED BY:	GEA			

CITY OF MENTOR	
MENTOR LAGOONS BULKHEAD REPLACEMENT	
PHASE 6	
LAKE COUNTY	
MENTOR, OHIO	
CROSS SECTIONS - 2	
STA. 14+00 TO 15+22	

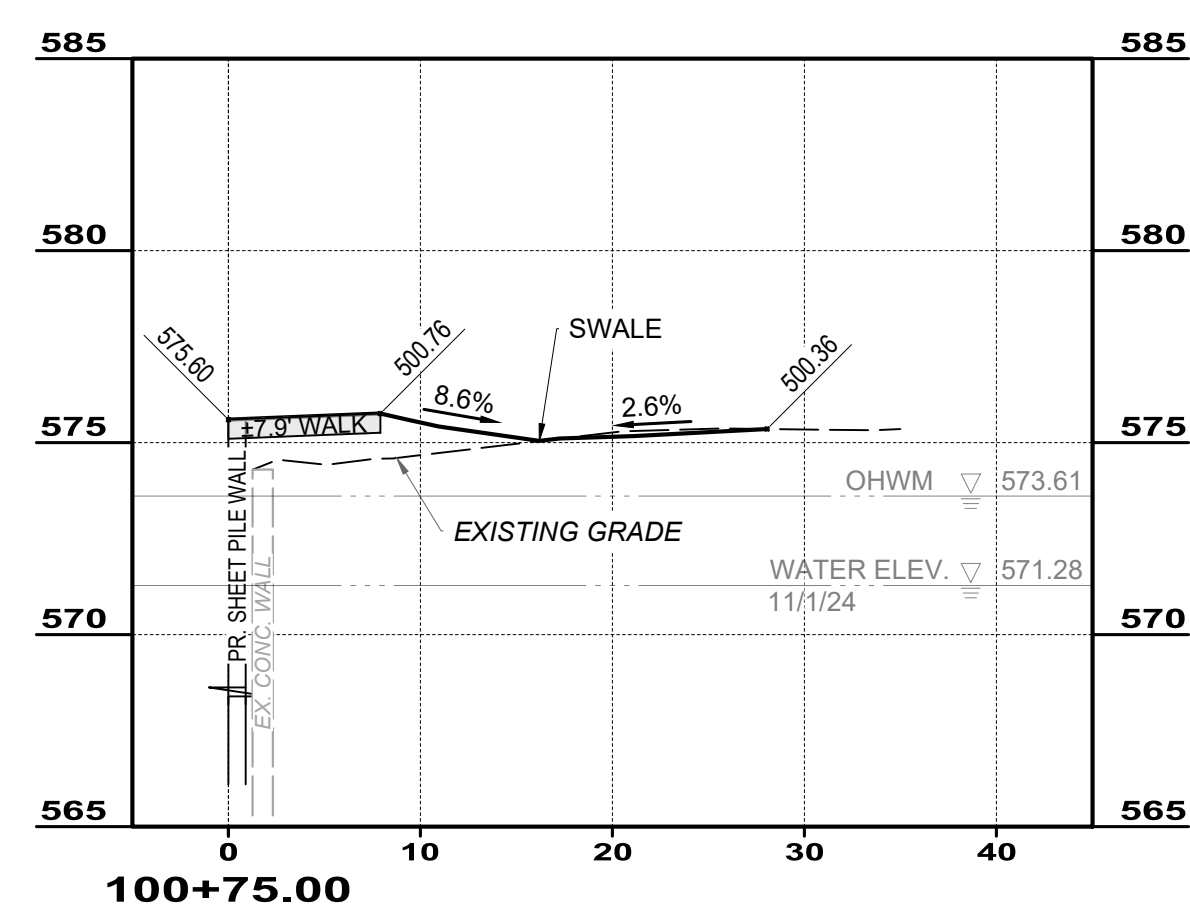
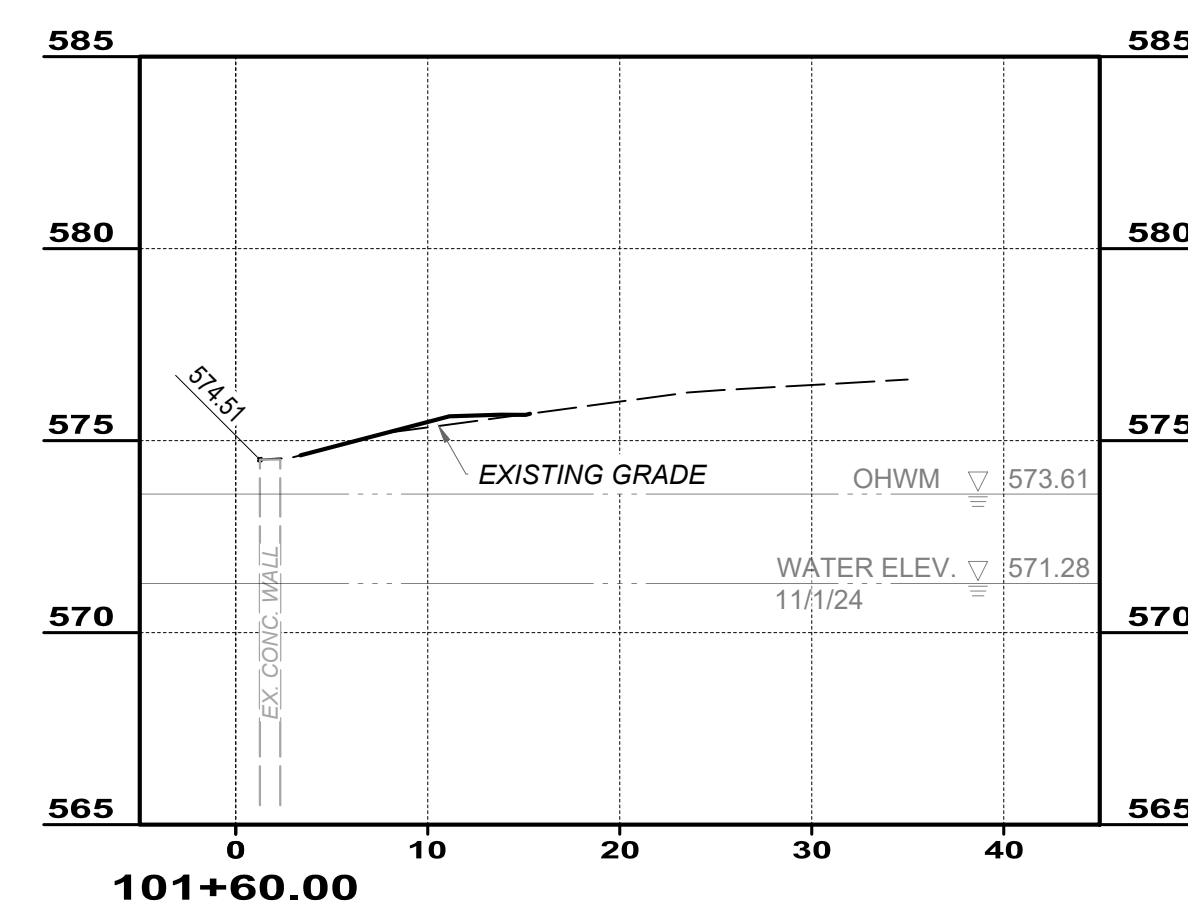
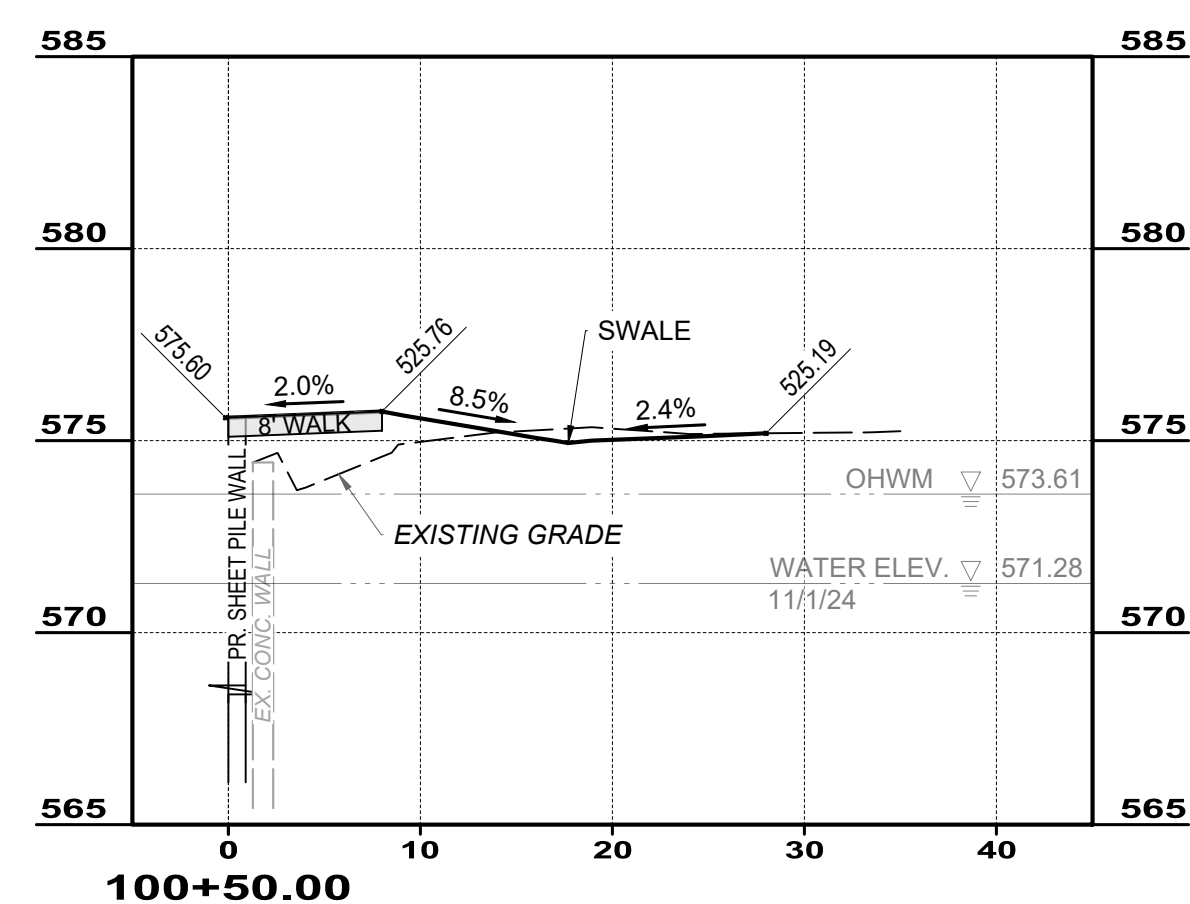
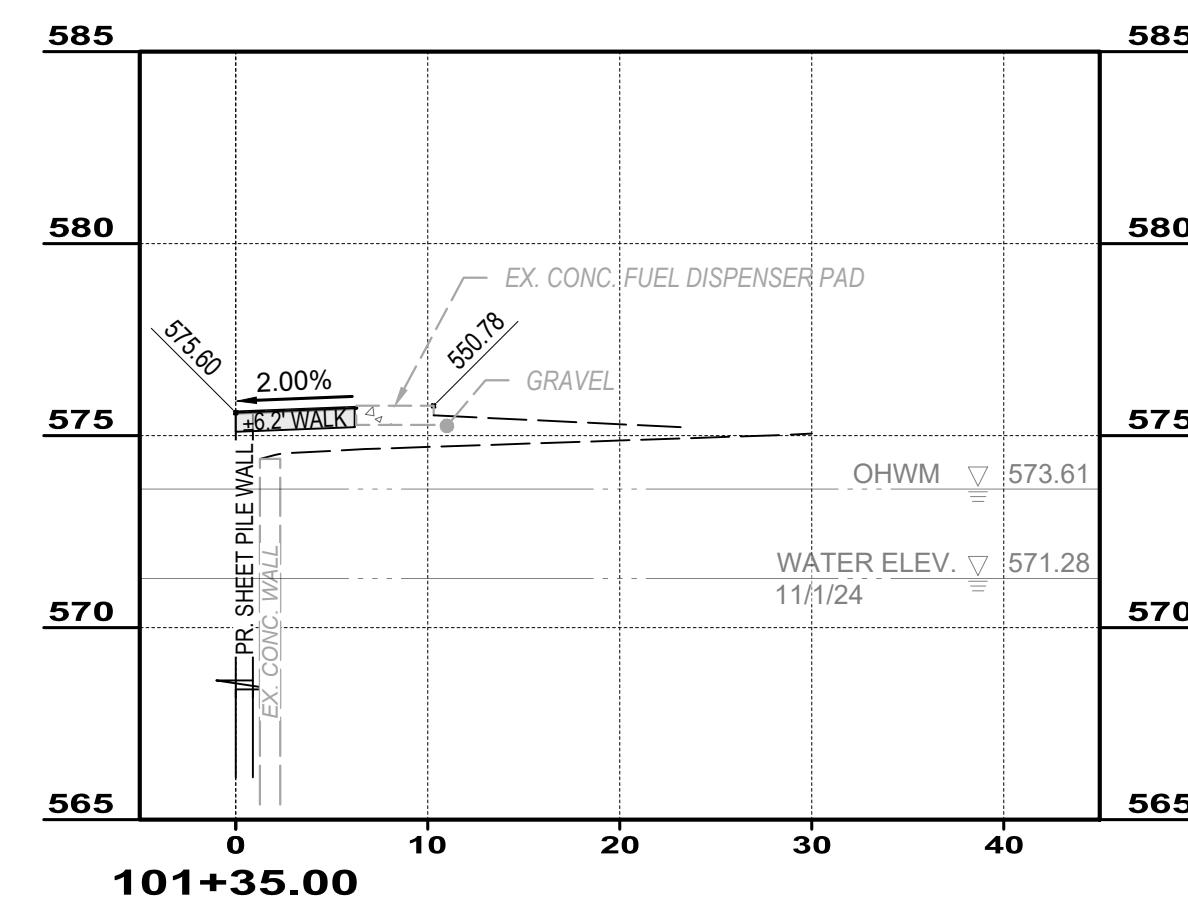
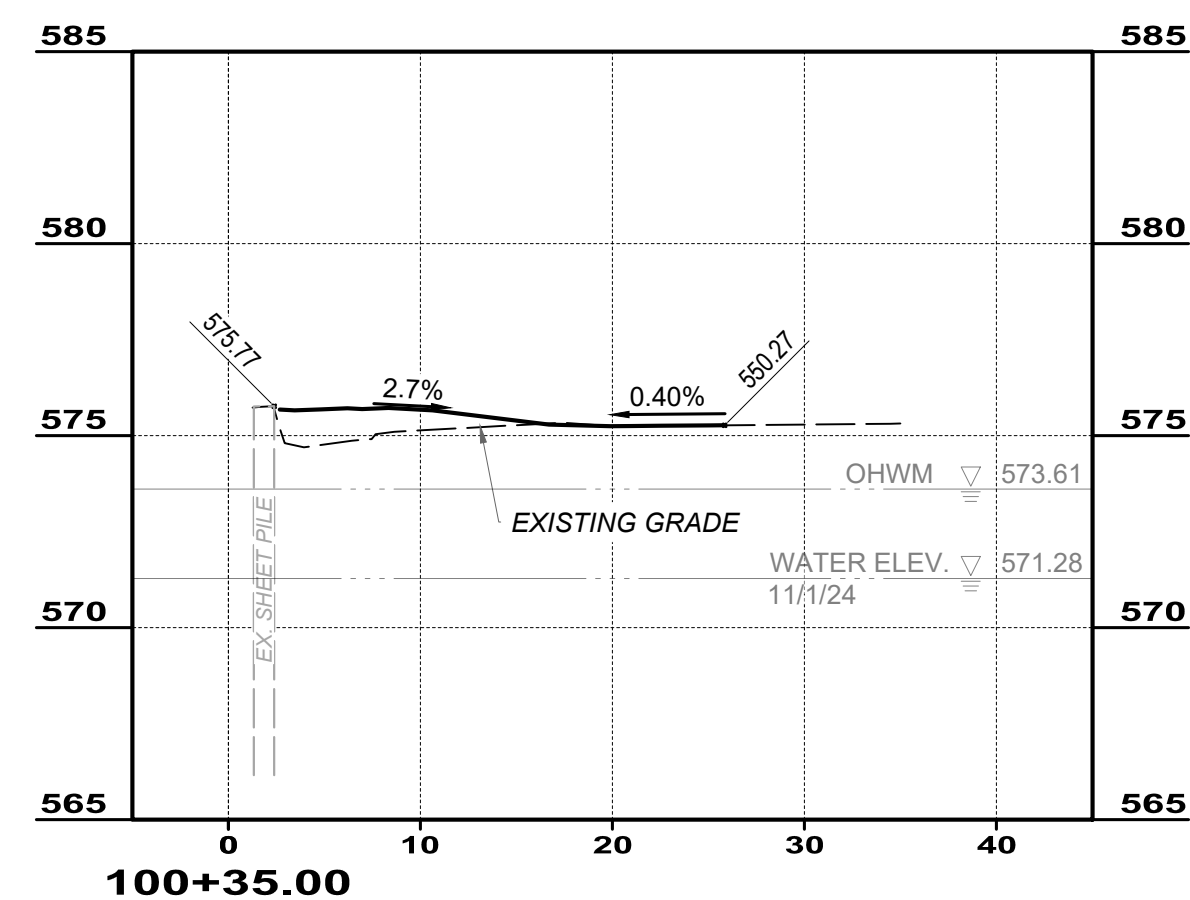
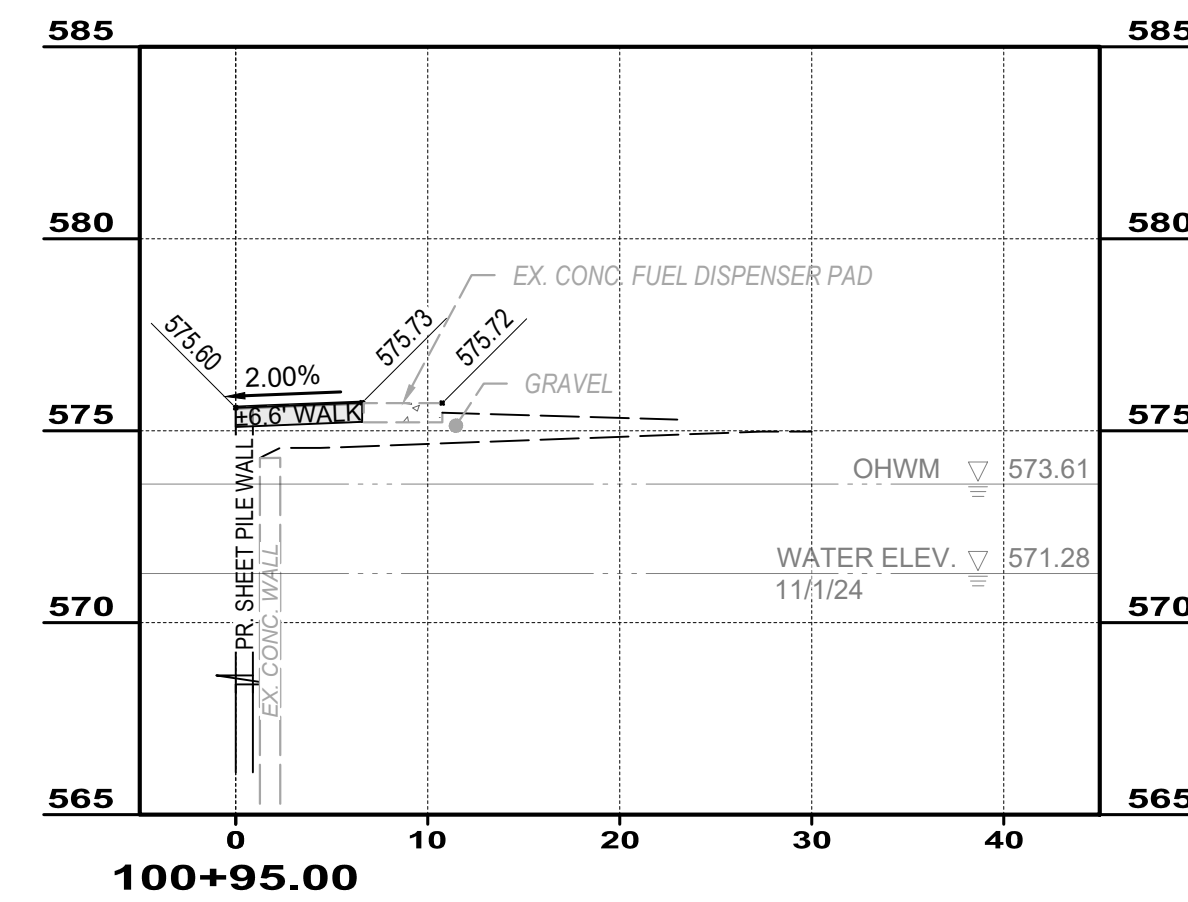
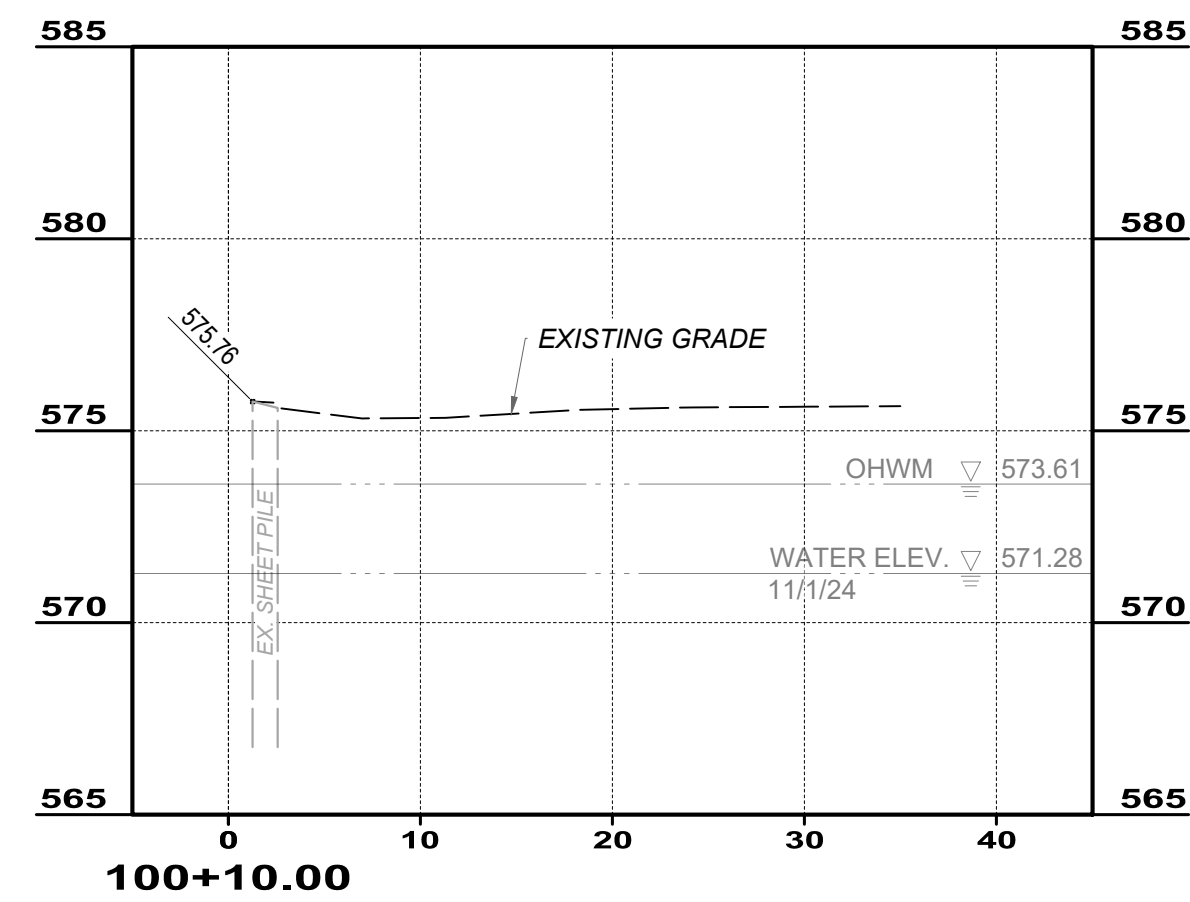
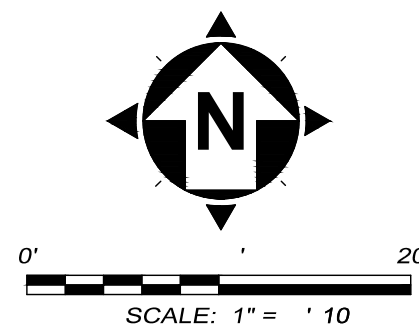
PROJECT NO.	
242584	
DISCIPLINE	
CIVIL	
SHEET NAME	
X-SECT-2	
SHEET	OF
7	10

PROVIDE CLEATS EVERY 10' ALONG
NEW WALK. TO BE LAID OUT BY
OWNER.

PROPOSED SHEET PILE WALL
TOP OF WALL = 575.1

PROPOSED 8' SIDEWALK

PR. 23' ~ 6" DRAIN PIPE @ 0.75%
INV. 573.62
EXTEND THROUGH WALL
PROVIDE WATER TIGHT CONNECTION

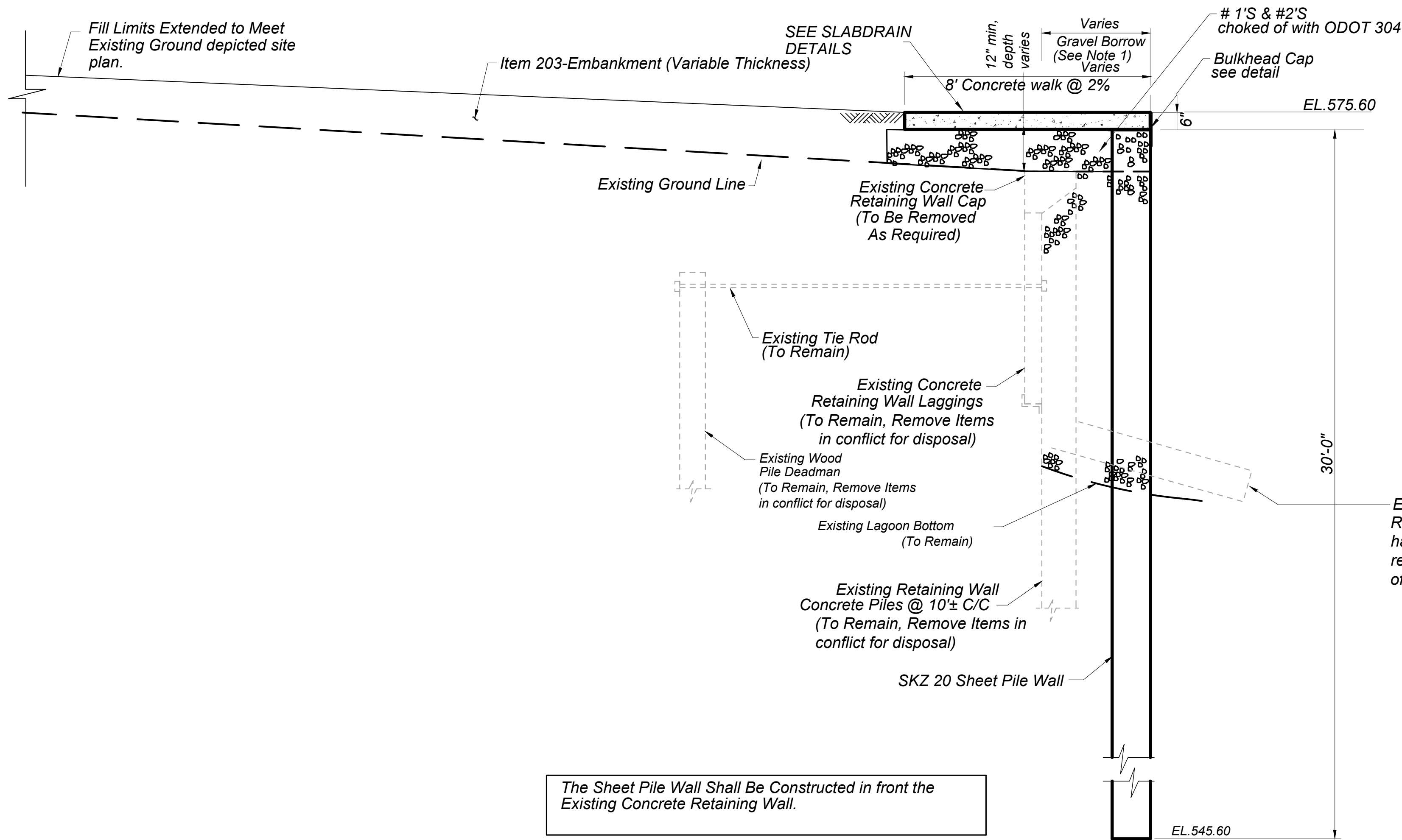


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ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	3/25/25			
SCALE:	AS SHOWN			
DESIGNED BY:	GMS			
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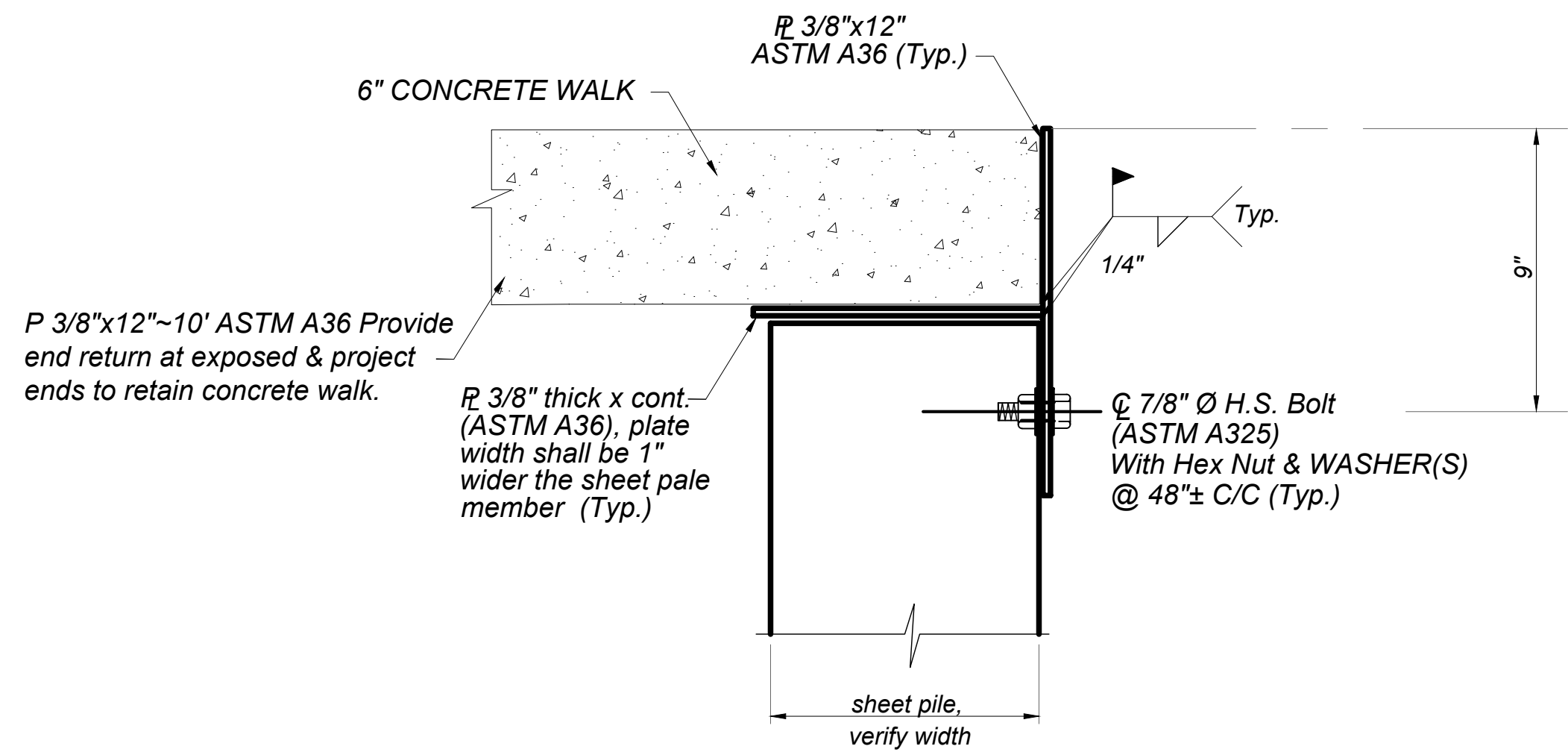
CITY OF MENTOR	
MENTOR LAGOONS BULKHEAD REPLACEMENT	
LAKE COUNTY	PHASE 6
	MENTOR, OHIO
SITE LAYOUT - GAS DOCK ALT.	
	STA. 100+00 TO 102+00

PROJECT NO.	
242584	
DISCIPLINE	
CIVIL	
SHEET NAME	
SITE-ALT	
SHEET	OF
8	10

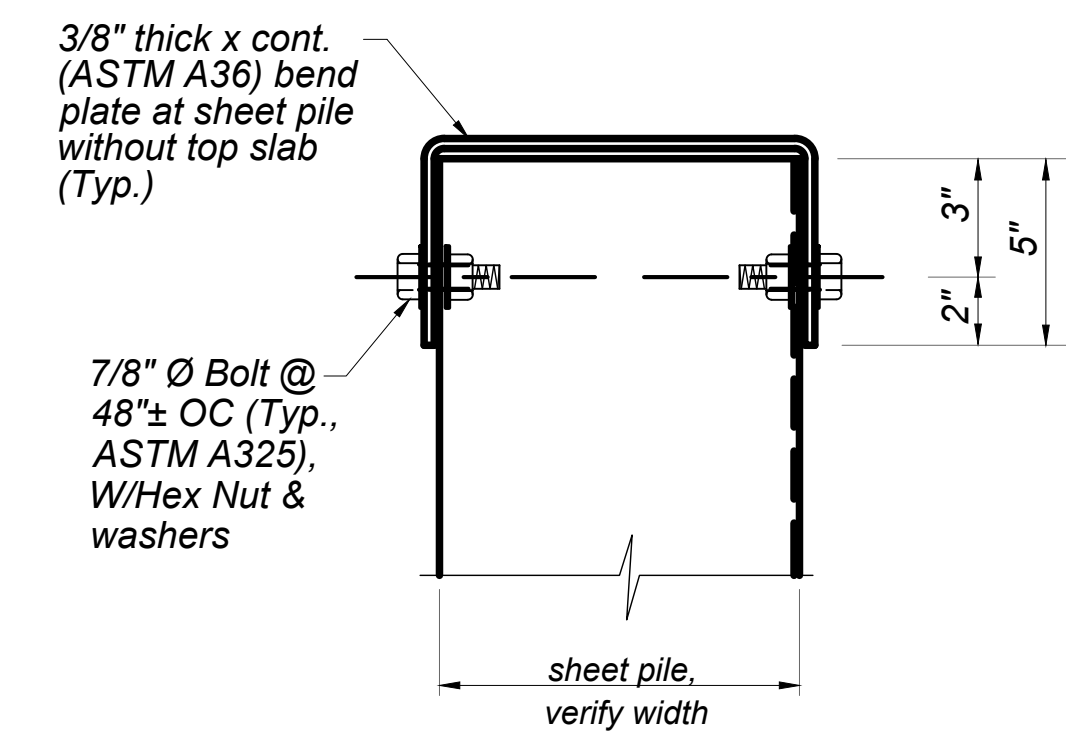


CANTILEVER SHEET PILE RETAINING WALL TYPICAL SECTION

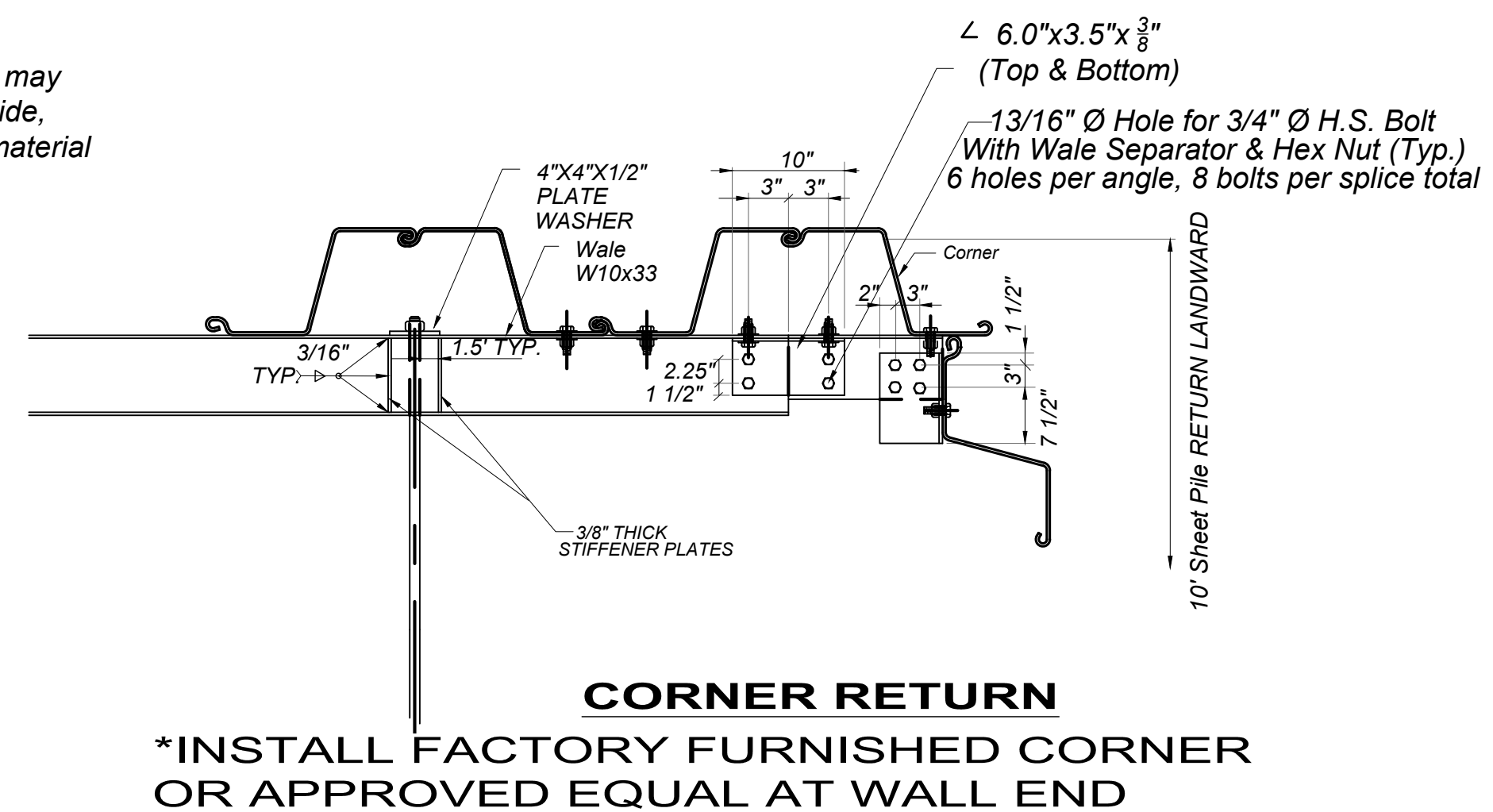
REFER TO SPECIFICATIONS FOR REQUIRED MINIMUM MATERIAL PROPERTIES.



BULKHEAD CAP DETAIL WITH SLAB



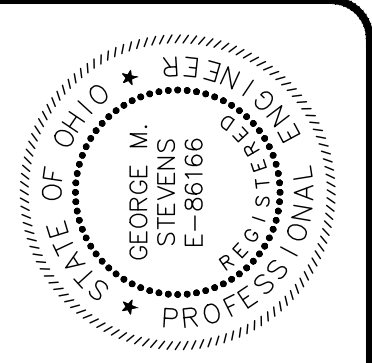
BULKHEAD CAP DETAIL W/OUT SLAB



NOTES:

- Gravel Borrow Shall Extend Up to Proposed Ground grade and Laterally To The Ends of the Retaining Wall. Gravel borrow shall also extend 6 inches beyond proposed concrete walk limits. (Provide #1's & 2's as fill behind wall, choke off with ODOT 304.)

STANDARD DETAIL SD-1

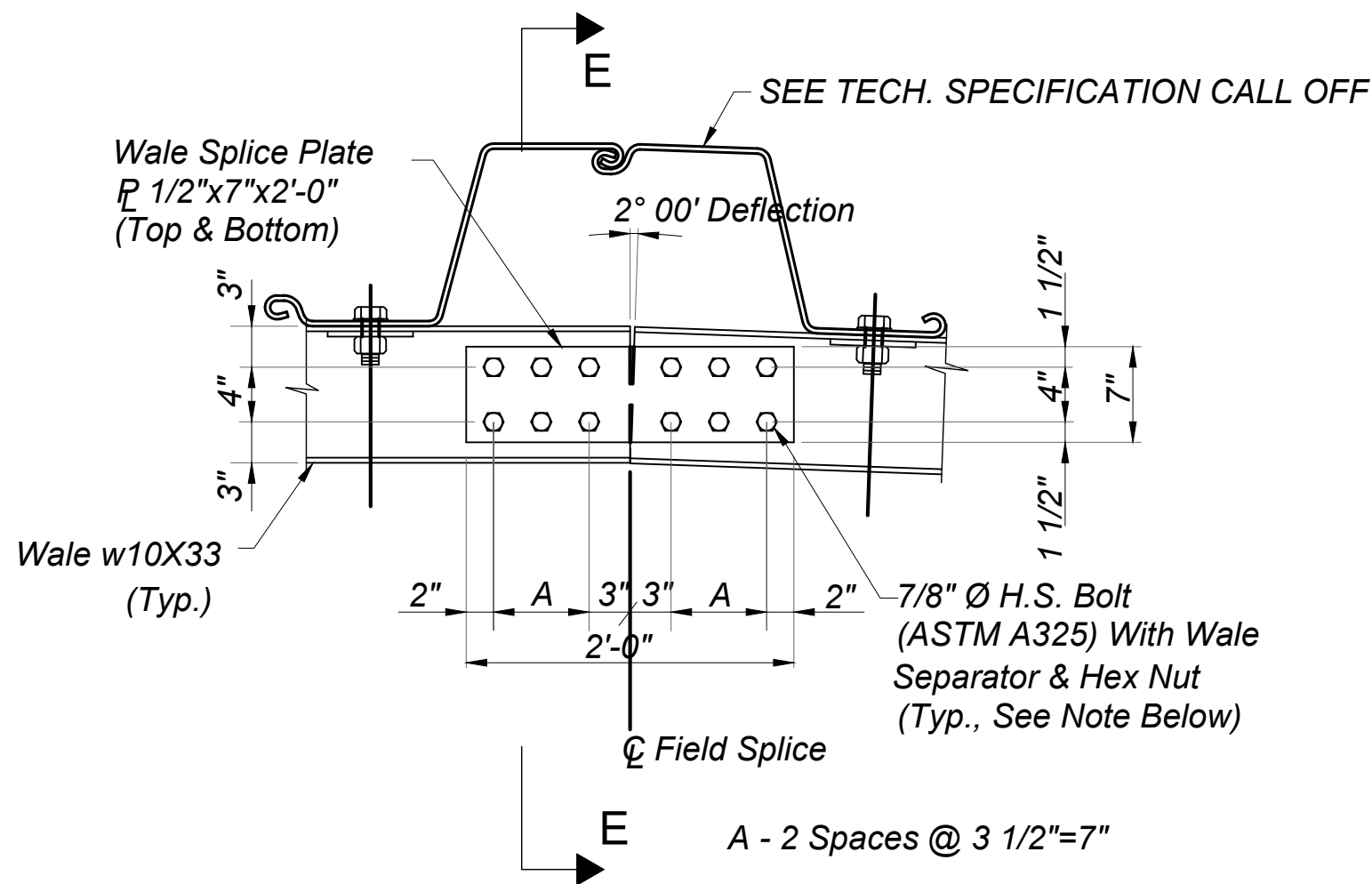


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ISSUED FOR:	BID SET:	NO.	REVISION:	DATE:
	3/25/25			
ISSUE DATE:	AS SHOWN			
SCALE:	GMS			
DESIGNED BY:	GMS			
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CHECKED BY:	GEA			

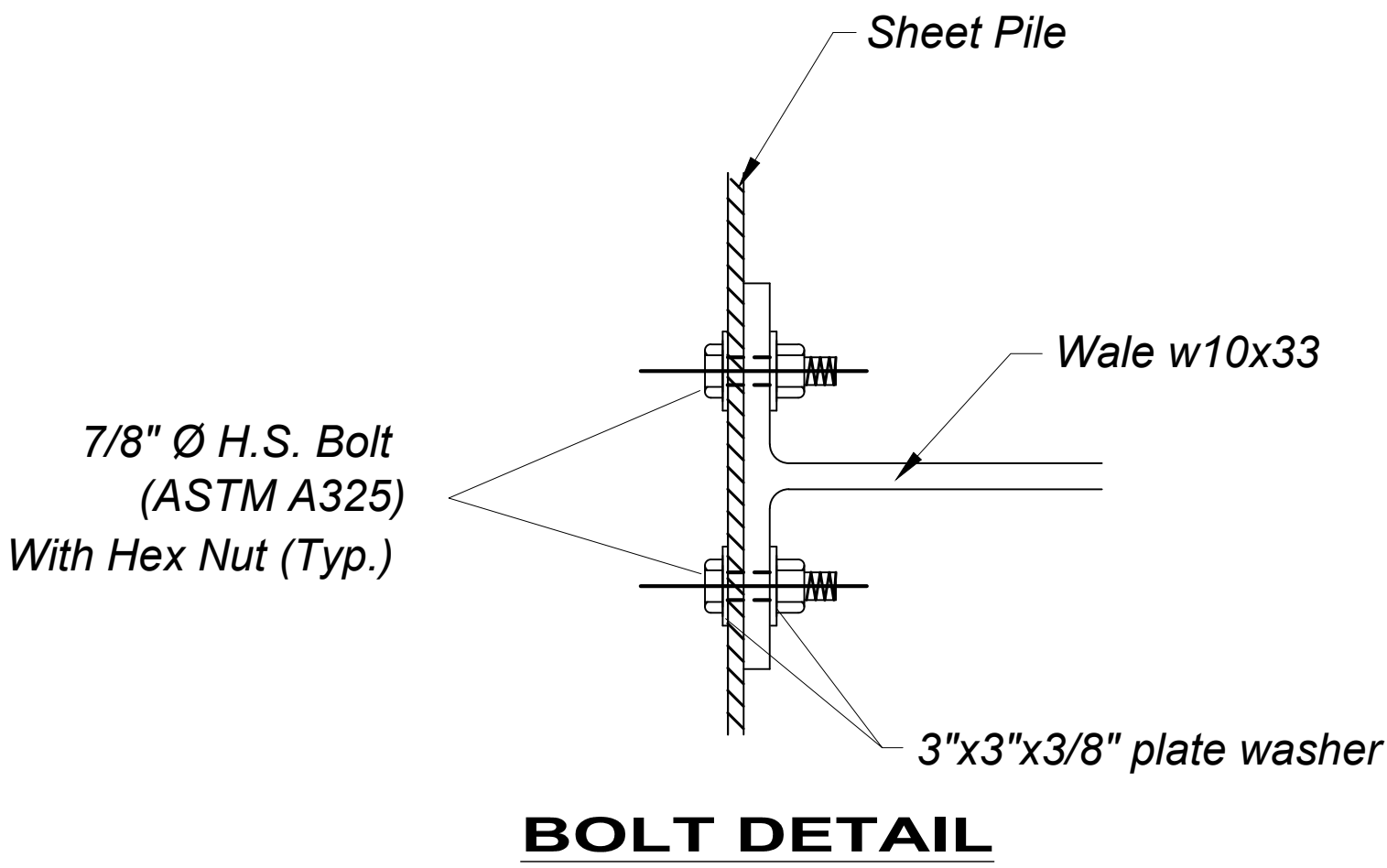
CITY OF MENTOR	MENTOR, OHIO
MENTOR LAGOONS BULKHEAD REPLACEMENT	PHASE 6
LAKE COUNTY	STANDARD DETAILS - 1

PROJECT NO.	242584
DISCIPLINE	CIVIL
SHEET NAME	DET-1
SHEET	9
OF	10

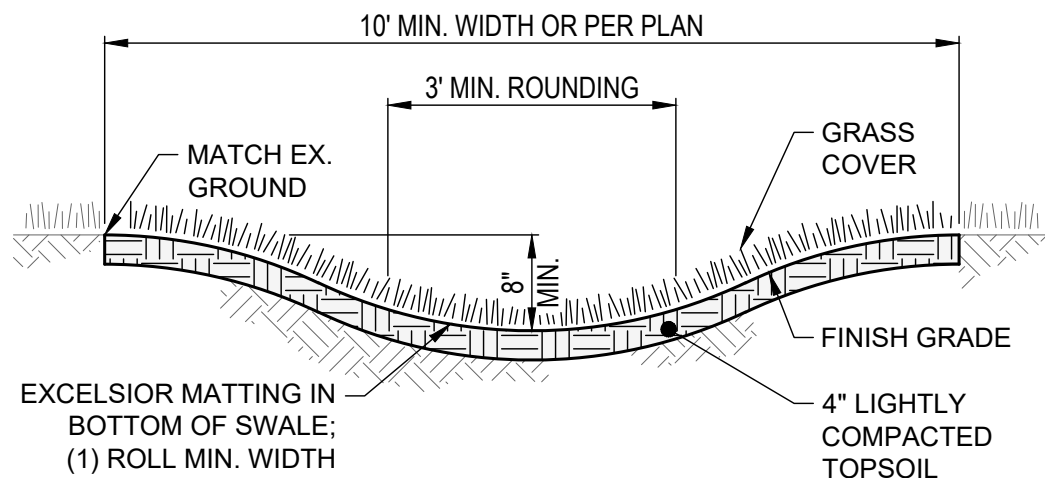


NOTE: The Lines of Holes in the Wale Webs Shall be Rotated From the Centerline of the Web As Required To Accomodate the Angle Change. Field Drilling or Reaming of Webs May Be Required. Burning Shall Not Be Permitted.

FIELD SPLICE

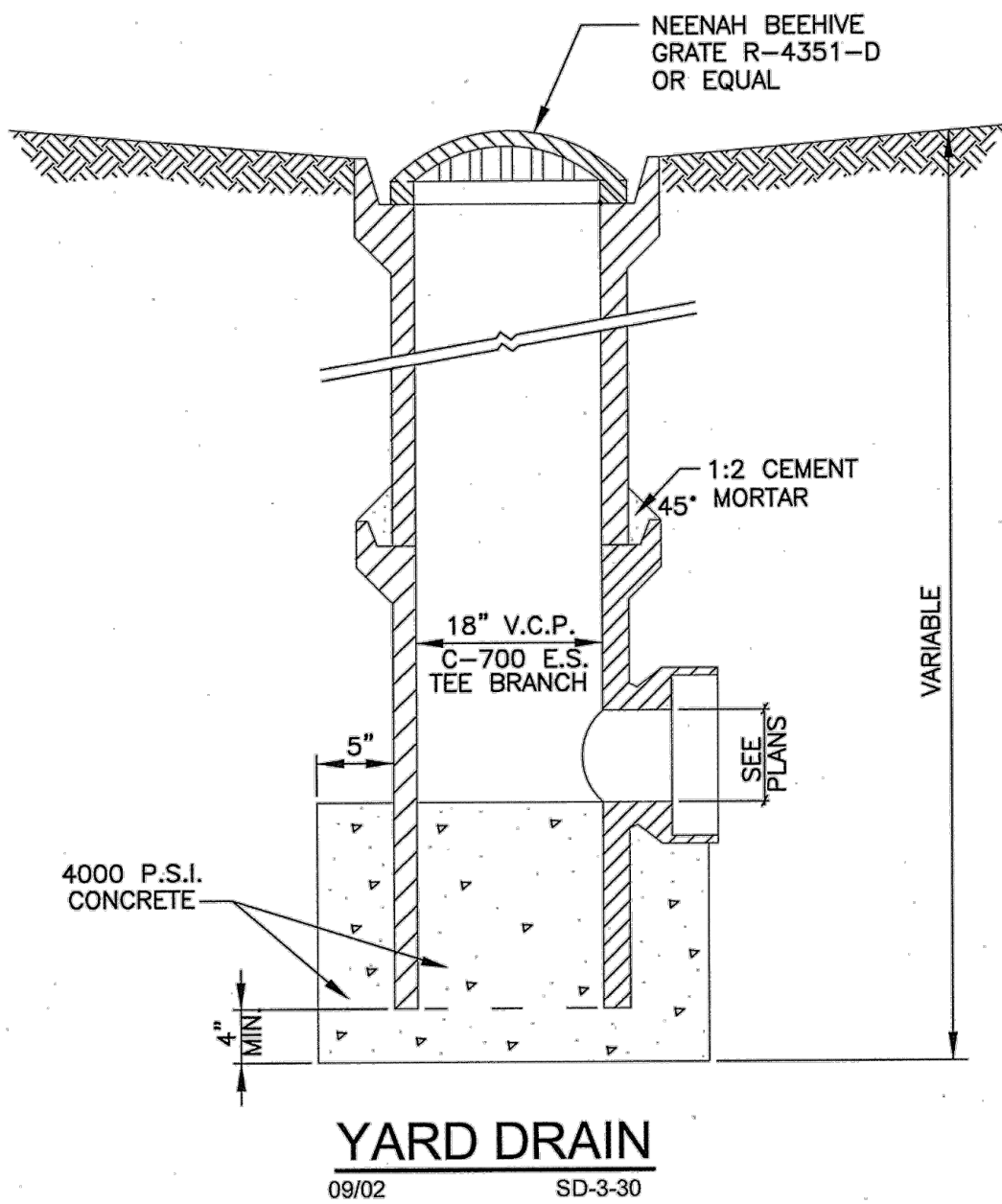


BOLT DETAIL

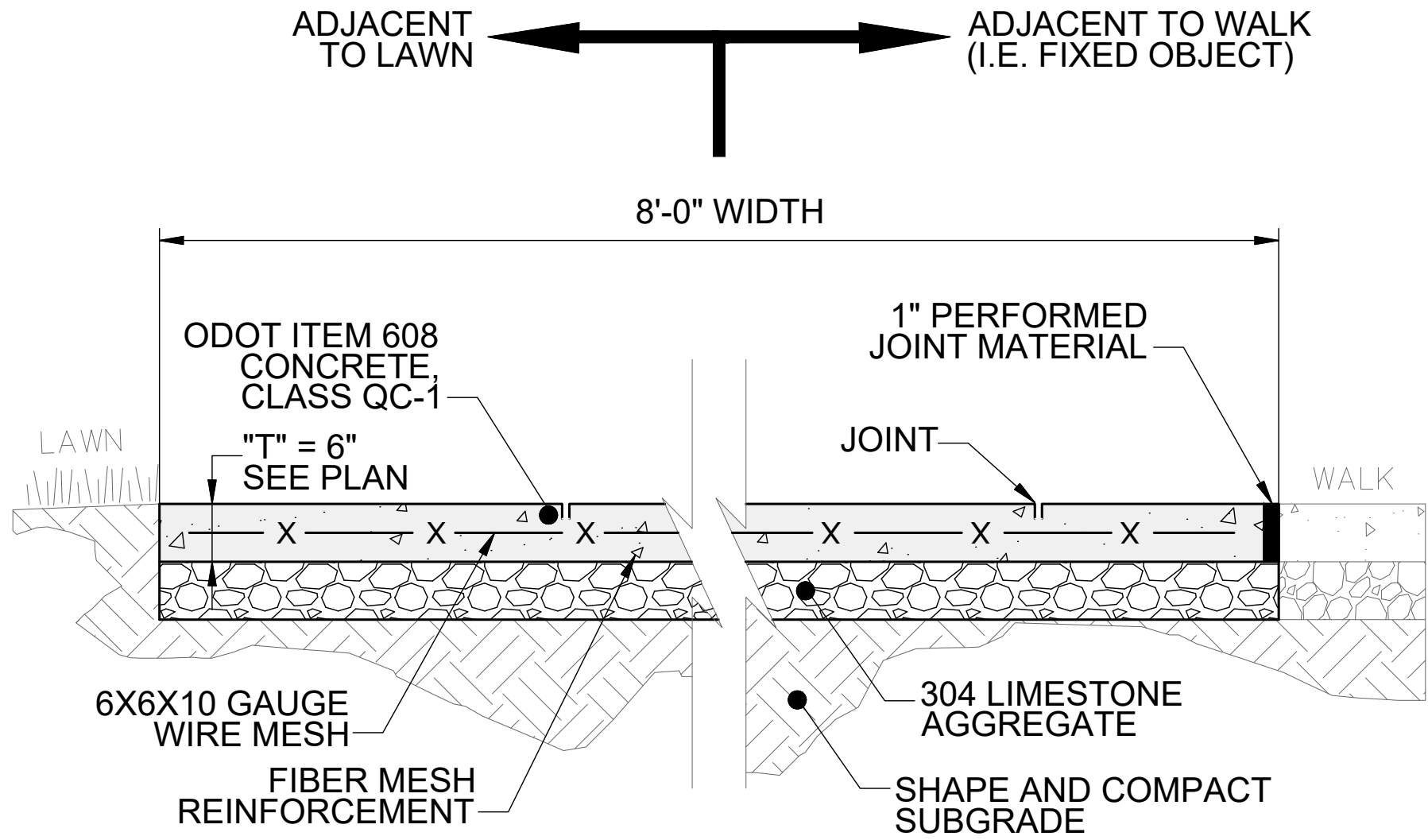


- NOTES:
- THIS DETAIL IS FOR REFERENCE AND DIMENSION CONTROL ONLY; SEE GRADING PLAN FOR ACTUAL WIDTH AND CONFIGURATION.
 - PLACE TOPSOIL AND FINE GRADE TO A SMOOTH FINISH, FREE OF LUMPS AND DEPRESSIONS.
 - AFTER LIGHT ROLLING, GRASS SWALE SHALL MEET THE GRADES, ELEVATIONS AND SLOPES SHOWN ON THE GRADING PLANS

GRASS SWALE DETAIL
SCALE: NONE



YARD DRAIN
09/02 SD-3-30



- NOTES:
- SEE LAYOUT PLAN FOR JOINT LOCATIONS. IF JOINTS ARE NOT PROVIDED, THEN THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL JOINTS. DIVIDE JOINTS INTO EQUALLY SPACED RECTANGULAR BLOCKS.
 - SAW CUT OR HAND TOOL JOINT 1/8" WIDE BY 1/4 OF "T" DEEP.
 - ROUND ALL EDGES AND JOINTS WITH A 1/4" RADIUS.
 - INSTALL PERFORMED JOINT MATERIAL EVERY 30', OR BETWEEN SIDEWALK AND FIXED OBJECT (I.E. MANHOLE, WALK, BUILDING). WALK SHOWN FOR REFERENCE ONLY.
 - LIGHTLY BROOM THE FINISH PERPENDICULAR TO THE WALKING PATH OR PER PLAN. IF HAND TOOLED JOINTS AND EDGES ARE SPECIFIED, FINISH AFTER PANEL INTERIOR TEXTURE HAS BEEN APPLIED (I.E. WINDOW PANE EFFECT).
 - APPLY LIQUID-MEMBRANE CURING COMPOUND (200 S.F./GAL.)

CONCRETE WALK DETAIL
SCALE: NONE



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DATE	REVISION	NO	BID SET	ISSUED FOR	ISSUE DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
			3/25/25		3/25/25	AS SHOWN	GMS	GMS	GEA

CITY OF MENTOR	MENTOR, OHIO
MENTOR LAGOONS BULKHEAD REPLACEMENT	PHASE 6
LAKE COUNTY	STANDARD DETAILS - 2

PROJECT NO.	242584
DISCIPLINE	CIVIL
SHEET NAME	DET-2
SHEET	OF
10	10