

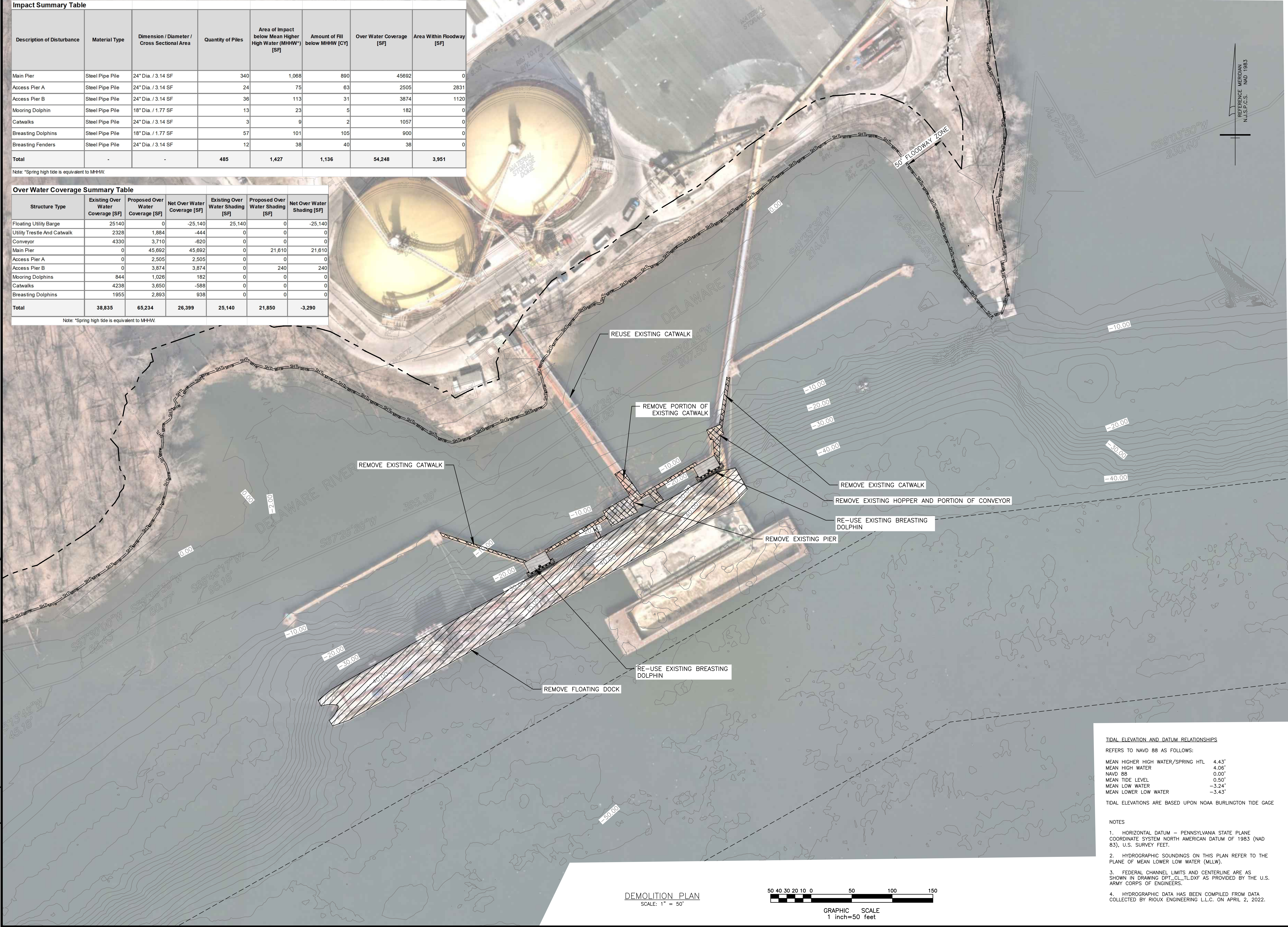
Plotted: 6/16/2025 11:59 AM By: Nicholas DeCetis
W:\Family Room\Projects\SI\PIER\DWG\Construction Plans\Permit Plans\Permit Plan-RS.dwg2 Permit Demo Plan

Impact Summary Table							
Description of Disturbance	Material Type	Dimension / Diameter / Cross Sectional Area	Quantity of Piles	Area of Impact below Mean Higher High Water (MHHW)* [SF]	Amount of Fill below MHHW [CY]	Over Water Coverage [SF]	Area Within Floodway [SF]
Main Pier	Steel Pipe Pile	24" Dia. / 3.14 SF	340	1,068	890	45692	0
Access Pier A	Steel Pipe Pile	24" Dia. / 3.14 SF	24	75	63	2505	2831
Access Pier B	Steel Pipe Pile	24" Dia. / 3.14 SF	36	113	31	3874	1120
Mooring Dolphin	Steel Pipe Pile	18" Dia. / 1.77 SF	13	23	5	182	0
Catwalks	Steel Pipe Pile	24" Dia. / 3.14 SF	3	9	2	1057	0
Breasting Dolphins	Steel Pipe Pile	18" Dia. / 1.77 SF	57	101	105	900	0
Breasting Fenders	Steel Pipe Pile	24" Dia. / 3.14 SF	12	38	40	38	0
Total	-	-	485	1,427	1,136	54,248	3,951

Note: *Spring high tide is equivalent to MHHW.

Over Water Coverage Summary Table						
Structure Type	Existing Over Water Coverage [SF]	Proposed Over Water Coverage [SF]	Net Over Water Coverage [SF]	Existing Over Water Shading [SF]	Proposed Over Water Shading [SF]	Net Over Water Shading [SF]
Floating Utility Barge	25140	0	-25,140	25,140	0	-25,140
Utility Trestle And Catwalk	2328	1,884	-444	0	0	0
Conveyor	4330	3,710	-620	0	0	0
Main Pier	0	45,692	45,692	0	21,610	21,610
Access Pier A	0	2,505	2,505	0	0	0
Access Pier B	0	3,874	3,874	0	240	240
Mooring Dolphins	844	1,026	182	0	0	0
Catwalks	4238	3,650	-588	0	0	0
Breasting Dolphins	1955	2,893	938	0	0	0
Total	38,835	65,234	26,399	25,140	21,850	-3,290

Note: *Spring high tide is equivalent to MHHW.



- TIDAL ELEVATION AND DATUM RELATIONSHIPS**
- REFERS TO NAVD 88 AS FOLLOWS:
- | | |
|-----------------------------------|--------|
| MEAN HIGHER HIGH WATER/SPRING HTL | 4.43' |
| MEAN HIGH WATER | 4.06' |
| NAVD 88 | 0.00' |
| MEAN TIDE LEVEL | 0.50' |
| MEAN LOW WATER | -3.24' |
| MEAN LOWER LOW WATER | -3.43' |
- TIDAL ELEVATIONS ARE BASED UPON NOAA BURLINGTON TIDE GAGE
- NOTES**
- HORIZONTAL DATUM - PENNSYLVANIA STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM OF 1983 (NAD 83), U.S. SURVEY FEET.
 - HYDROGRAPHIC SOUNDINGS ON THIS PLAN REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW).
 - FEDERAL CHANNEL LIMITS AND CENTERLINE ARE AS SHOWN IN DRAWING DPT_CL_TL.DXF AS PROVIDED BY THE U.S. ARMY CORPS OF ENGINEERS.
 - HYDROGRAPHIC DATA HAS BEEN COMPILED FROM DATA COLLECTED BY RIOUX ENGINEERING L.L.C. ON APRIL 2, 2022.

DESIGNED BY:
REVIEWED BY:
RELEASED BY:

5. PER USAGE COMMENTS
4. PER USAGE COMMENTS
3. PER USAGE COMMENTS
2. UPDATED TABLES TO SHOW SHADING COVERAGE
1. REMOVED DREDGING FROM PROJECT

DATE:
REV:

REVISIONS

DEMOLITION PLAN

RIVERSIDE CONSTRUCTION MATERIALS FACILITY

SITUATED IN
BOROUGH OF BRISTOL, BUCKS COUNTY, PENNSYLVANIA

PROJECT NUMBER:
DATE: 9/1/23
SCALE: 1" = 50'

SHEET 2 OF 6

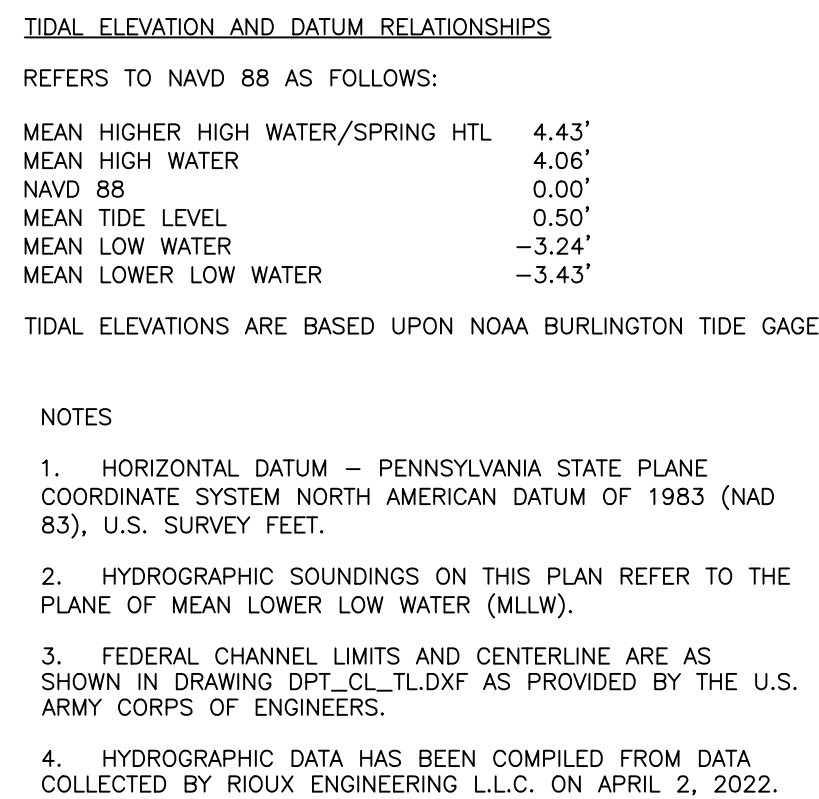
WATERMEN LLC

3101 AT LASTIC AVENUE
PO BOX 380
ALLENWOOD, NJ 08720

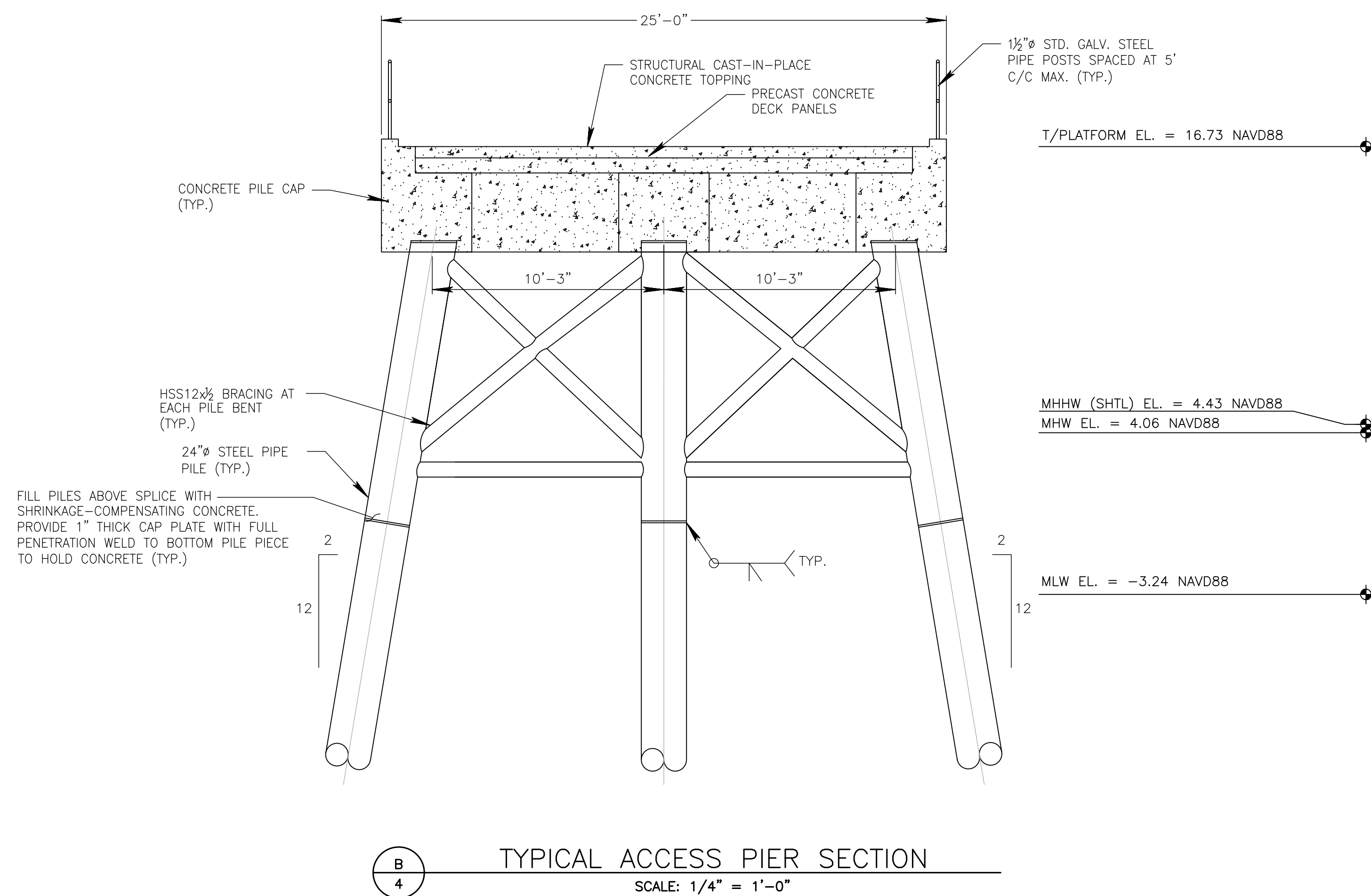
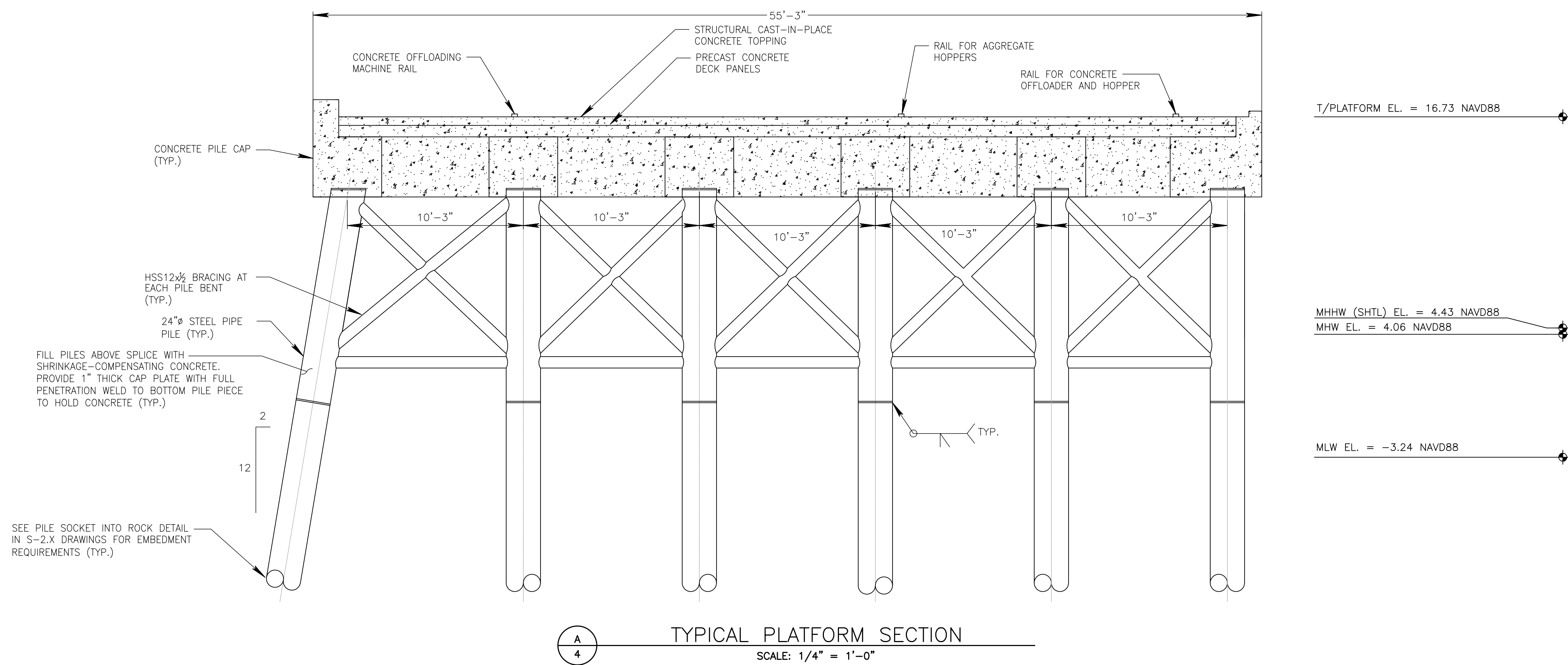
NI Certificate of Authorization #243A38226000
Tel: 908-229-6310

Note: *Spring high tide is equivalent to MHHW

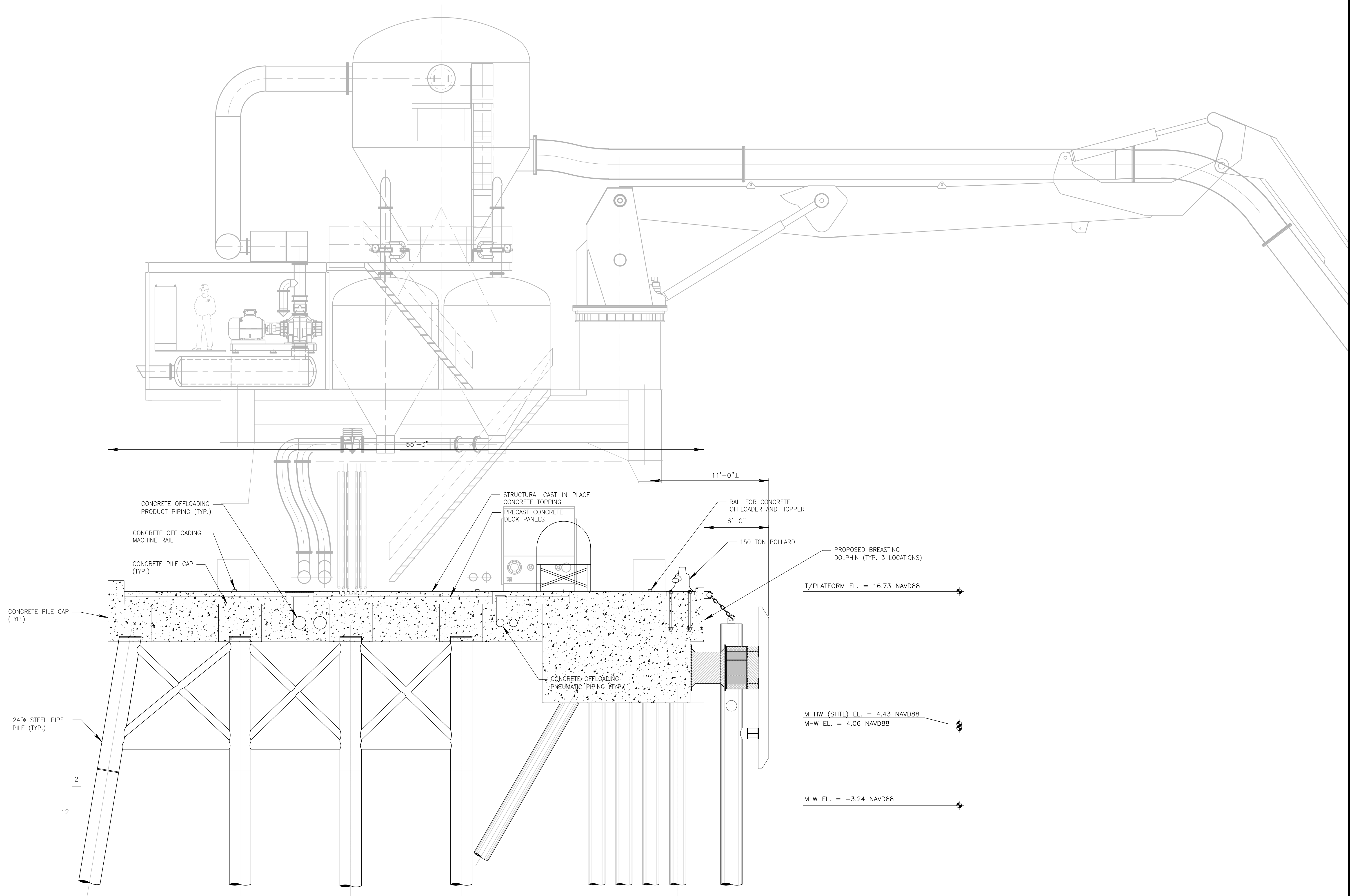
Note: *Spring high tide is equivalent to MHHW.



PERMIT PLAN RIVERSIDE CONSTRUCTION MATERIALS FACILITY SITUATED IN BOROUGH OF BRISTOL, BUCKS COUNTY, PENNSYLVANIA	
PROJECT NUMBER:	
DATE:	9/1/23
SCALE:	1" = 50'
SHEET 3 OF 6	



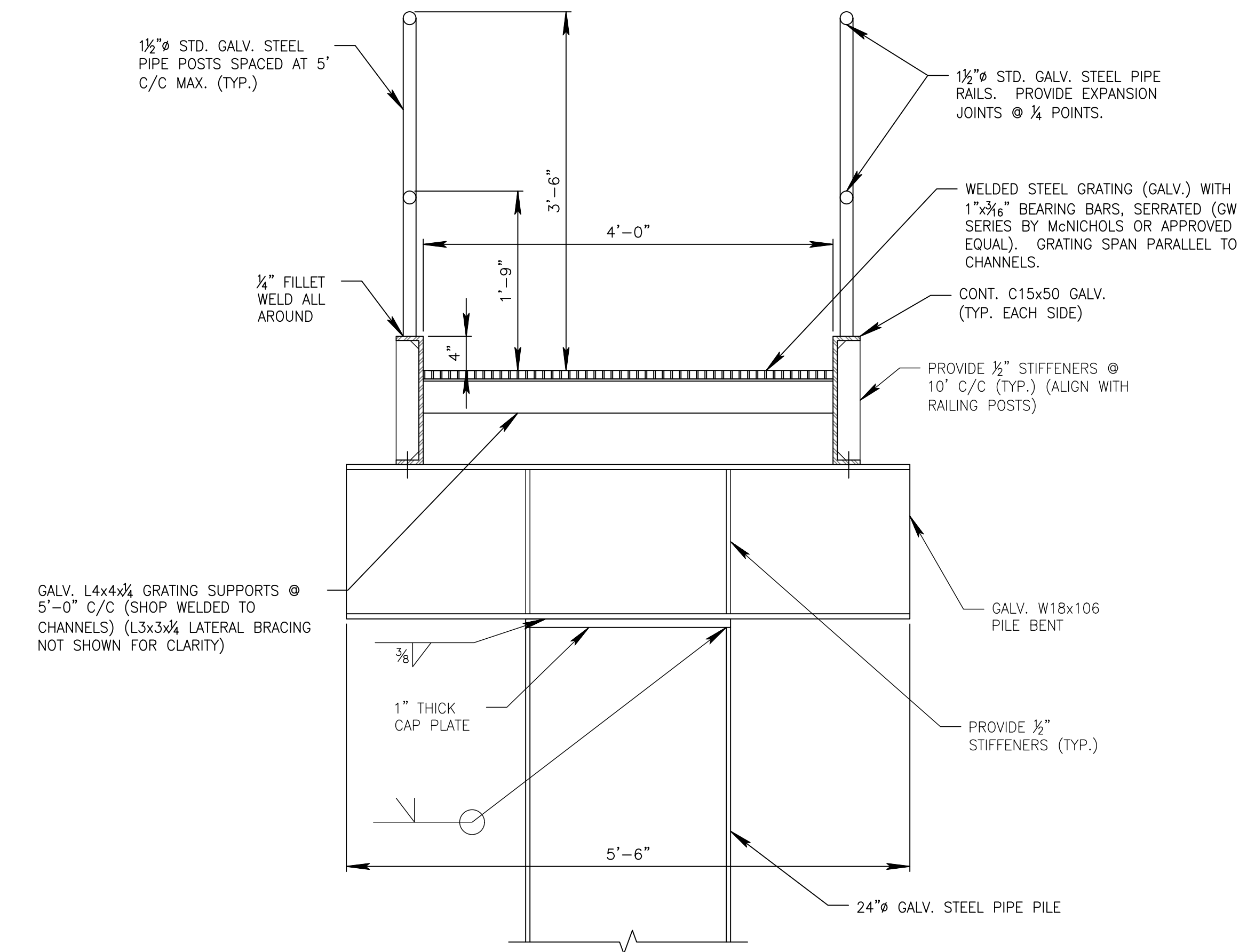
 WATERMEN LLC NJ Certificate of Authorization 0945A38220000 TEL: 508-229-8070 3107 ATLANTIC AVENUE ALLENWOOD, NJ 08870		CONSTRUCTION DETAILS RIVERSIDE CONSTRUCTION MATERIALS FACILITY		SITUATED IN BOROUGH OF BRISTOL, BUCKS COUNTY, PENNSYLVANIA	
PROJECT NUMBER:					
DATE:		9/1/23			
SCALE:		AS SHOWN			
SHEET		4 OF		6	



TYPICAL PLATFORM UTILITIES SECTION
AT BREASTING DOLPHINS

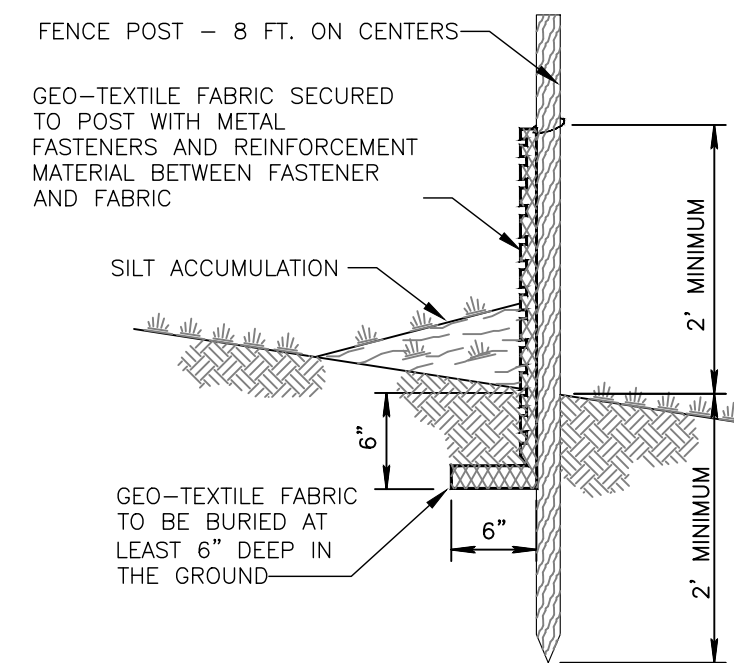
SCALE: 1/4" = 1'-0"

PROJECT NUMBER:	CONSTRUCTION DETAILS			3407 ATLANTIC AVENUE PO BOX 140 ALLENWOOD, NJ 08820 NJ Certificate of Authorization #24GAS226900 Tel: 908-229-6303	DESIGNED BY: _____ REVIEWED BY: _____ RELEASED BY: _____ DATE: _____	NO. _____ 1. REMOVED DREGGING FROM PROJECT 2. UPDATED TABLES TO SHOW SHADING COVERAGE 3. PERUSAGE COMMENTS 4. PERUSAGE COMMENTS 5. PERUSAGE COMMENTS	DATE: 3/25/23 DIS.: ND REV.: ND
	DATE: 9/1/23	SCALE: AS SHOWN					
BOROUGH OF BRISTOL, BUCKS COUNTY, PENNSYLVANIA SITUATED IN RIVERSIDE CONSTRUCTION MATERIALS FACILITY							



CATWALK SECTION AT PILE SUPPORT

SCALE: 1" = 1'-0"



DESIGNED BY:						
REVIEWED BY:						
5.	PER USAGE COMMENTS	6/16/25	ND	PTC	PTC	
4.	PER USAGE COMMENTS	6/6/25	ND	ND	PTC	
3.	PER USAGE COMMENTS	5/22/25	ND	ND	PTC	
2.	UPDATED TABLES TO SHOW SHADING COVERAGE	5/7/25	NPR	NRD	NRD	
1.	REMOVED DREDGING FROM PROJECT	5/25/25	ND	PTC	PTC	
NO.			DATE:	DES.:	REV.:	REL.:
DESCRIPTION						REVISIONS
DATE						