

U.S. Department of
Homeland Security

United States
Coast Guard



Commander
United States Coast Guard
Fifth Coast Guard District

431 Crawford Street
Portsmouth, VA 23704-5004
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16591
August 26, 2022

PUBLIC NOTICE D05PN-03-2022

All interested parties are notified that an application dated March 10, 2022, has been received from the Pennsylvania Department of Transportation by the Commander, Fifth Coast Guard District, for approval of the location and plans for replacement of existing highway fixed bridges over a navigable waterway of the United States.

WATERWAY AND LOCATION: Darby Creek, mile 1.3, between Prospect Park Borough and Tincum Township, Delaware County, PA.

CHARACTER OF WORK: The proposed project is to replace the existing northbound and southbound bridges which carry S.R. 420 (Wanamaker Avenue) over Darby Creek between Tincum Township and Prospect Park Borough, Delaware County, PA. The proposed work includes the replacement of the superstructure and substructure of the existing northbound and southbound bridges, which will be replaced with one bridge structure along similar alignments as the northbound and southbound bridges. The purpose of the project is to replace the structurally deficient and deteriorating northbound and southbound bridges.

MINIMUM NAVIGATIONAL CLEARANCES:

<u>Existing</u>	<u>Proposed</u>
Vertical Clearance: 7 feet above mean high water	Vertical Clearance: 11 feet above mean high water
Horizontal Clearance: (normal to axis of the channel) (Northbound)- 58 feet between the bridge protective system (Southbound)- 50 feet between the bridge protective system fenders	Horizontal Clearance: (normal to axis of the channel) 78 feet between the bridge protective system fenders

North American Vertical Datum of 1988 (NAVD88) (Existing and Proposed bridges)

ENVIRONMENTAL CONSIDERATIONS:

The Federal Highways Administration (FHWA) is the lead Federal agency for compliance with the National Environmental Policy Act (NEPA). The FHWA is acting on behalf of the U. S. Coast Guard (USCG) for all applicable environmental control laws and Executive Orders. The FHWA approved a Categorical Exclusion (CATEX) on December 12, 2018. The USCG has tentatively determined that the environmental documentation approved by the FHWA is adequate for USCG bridge permitting purposes and intends to prepare a memorandum to file to document a USCG CATEX. Environmental documents are available for review at the address in the letterhead above, Monday through Friday (except Federal holidays), from 8 a.m. to 4:30 p.m.

The bridge is located in the floodplain. The 100-year flood level is +8.97 feet from datum and low steel of the bridge in the navigation span is +13.81 feet from datum.

A water quality certificate was issued by the Pennsylvania Department of Environmental Protection (PADEP) via Water Obstruction and Encroachment Permit (WOEP) dated February 22, 2022, DEP Permit # 2301120-029 and USACE Pennsylvania State Programmatic General Permit -6 (PASPGP-6) dated February 28, 2022.

The bridge construction site lies inside of a designated Coastal Zone Management area. The applicant provided the Pennsylvania Department of Environmental Protection, Pennsylvania Coastal Resource Management (CRM) Program with the project location information and a certification of consistency. The Pennsylvania Department of Environmental Protection, Pennsylvania Coastal Resource Management (CRM) Program issued a finding, MPMS #92323 Darby Creek Bridge, on January 11, 2021, that the project is consistent with the state's Coastal Zone Management Plan.

Comments received in response to this notice concerning environmental control laws and Executive Orders will be forwarded to FHWA as lead Federal Agency.

SOLICITATION OF COMMENTS:

Mariners are requested to provide navigational information, such as the sizes and types of vessels presently owned and operated on the waterway and nature of navigation (including the extent of nighttime navigation) on the waterway. Mariners are requested to comment on the navigational clearances and need for bridge protective systems, clearance gauges, and navigational lighting on the proposed bridge. Please submit the attached response form.

Interested parties are requested to express their views, in writing, on the proposed bridge project, giving sufficient detail to establish a clear understanding of their reasons for support of, or opposition to, the proposed project. Comments will be received for the record at the office of Commander (dpb), Fifth Coast Guard District, 431 Crawford Street, Portsmouth, VA 23704-5004 through **September 26, 2022**.

/HAL R. PITTS/
Bridge Program Manager
By direction

This is a Web-searchable copy and is not the official, signed version; however, other than the signature being omitted, it is a duplicate of the official version.

Attachments: (1) Response Form
(2) Location/Vicinity Maps and Plan Sheets

SR 420 (Wanamaker Avenue)
Darby Creek, mile 1.3,
between Prospect Park Borough, Delaware County, PA and Tinicum County, Delaware County,
PA

Public Notice D05PN-03-2022
Response Form

It is requested that anyone having an interest in this proposed project, from the standpoint of navigation, submit vessel information, comments, and recommendations on this form to the office of Commander (dpb), Fifth Coast Guard District, 431 Crawford Street, Portsmouth, VA 23704-5004 by **September 26, 2022**.

Vessel Information	Please provide all requested information:
Vessel Type	
Use – <i>Commercial and/or Recreational</i>	
Vessel Height	
Draft	
Length	
Beam	
Tonnage	
Mooring Location	

Name (Optional): _____

Address (Optional): _____

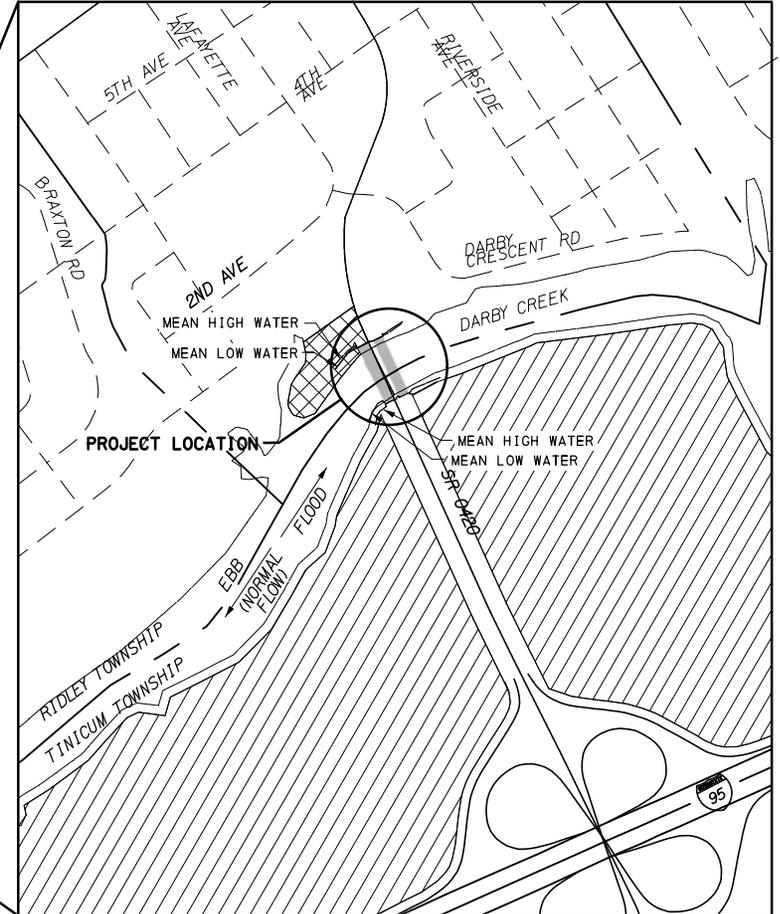
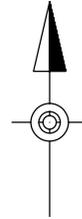
Phone (Optional): _____

Comments and Recommendations: _____



VICINITY MAP

- PROJECT LOCATION
- 5** PENNDOT DISTRICT NO.
- DISTRICT OFFICE



NO ADDITIONAL STRUCTURES ARE PRESENT IMMEDIATELY ADJACENT TO THE PROPOSED BRIDGE

LOCATION MAP

SCALE

0 1000 2000 FEET

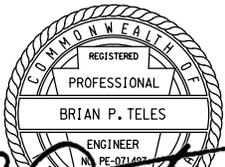


MORTON HOMESTEAD BOUNDARY



JOHN HEINZ NATIONAL WILDLIFE REFUGE BOUNDARY

USCG PERMIT PLAN



BPT
08/10/2022

NOTES:

1. CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION



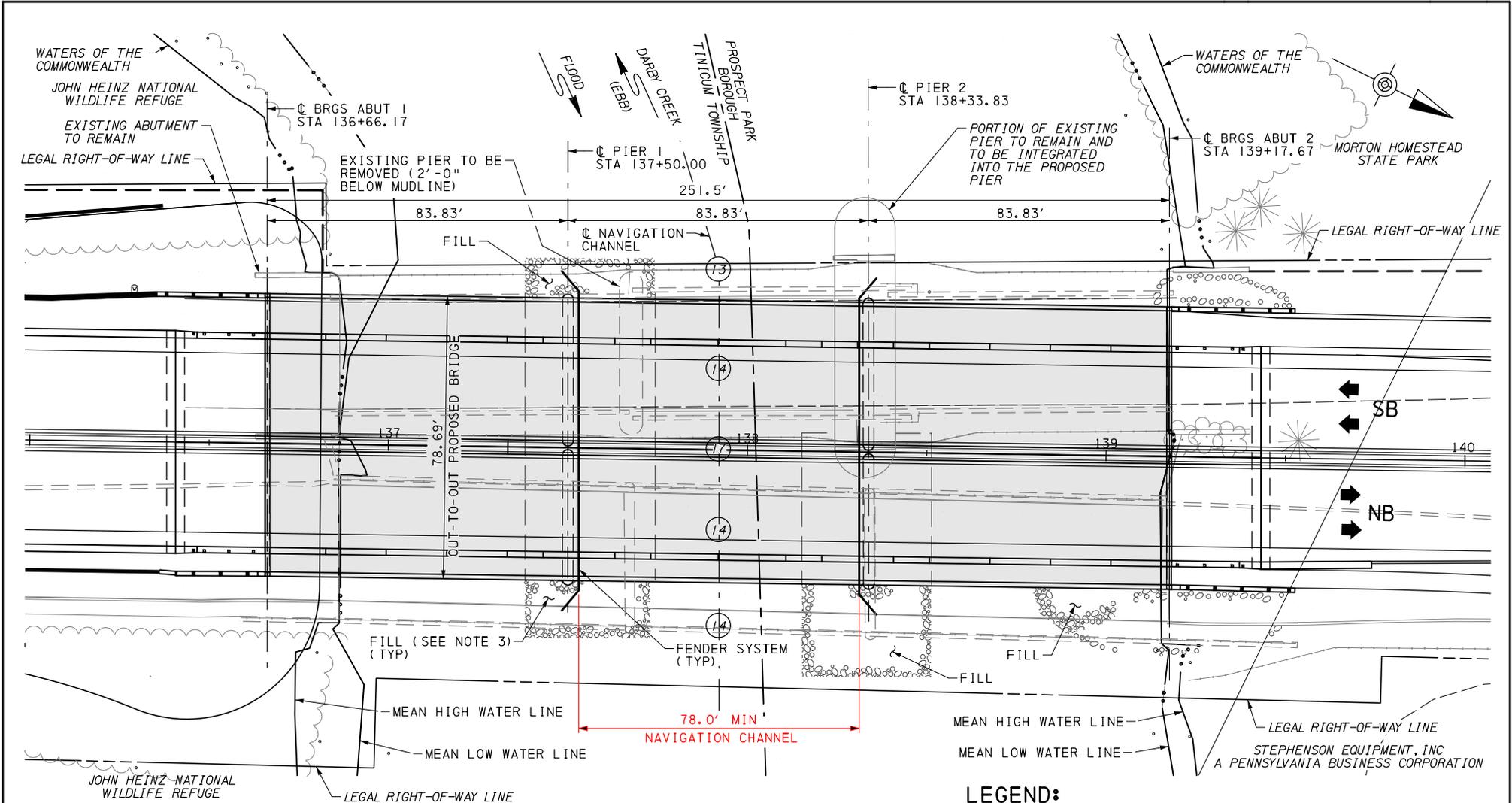
08/10/2022

SR 420 (WANAMAKER AVENUE) BRIDGE OVER DARBY CREEK
MILE POINT 1.3
BETWEEN PROSPECT PARK BOROUGH AND TINICUM TOWNSHIP
DELAWARE COUNTY, PA

LOCATION & VICINITY MAP

SHEET NUMBER

OF 6



USCG PERMIT PLAN

GENERAL PLAN



NOTES:

1. CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT.
2. THE US COAST GUARD IS NOT RESPONSIBLE FOR APPROVING FILL AND RIPRAP LOCATIONS AND QUANTITIES.
3. FILL AROUND BRIDGE PIERS AND ABUTMENTS WILL NOT EXTEND ABOVE THE WATERWAY BOTTOM.

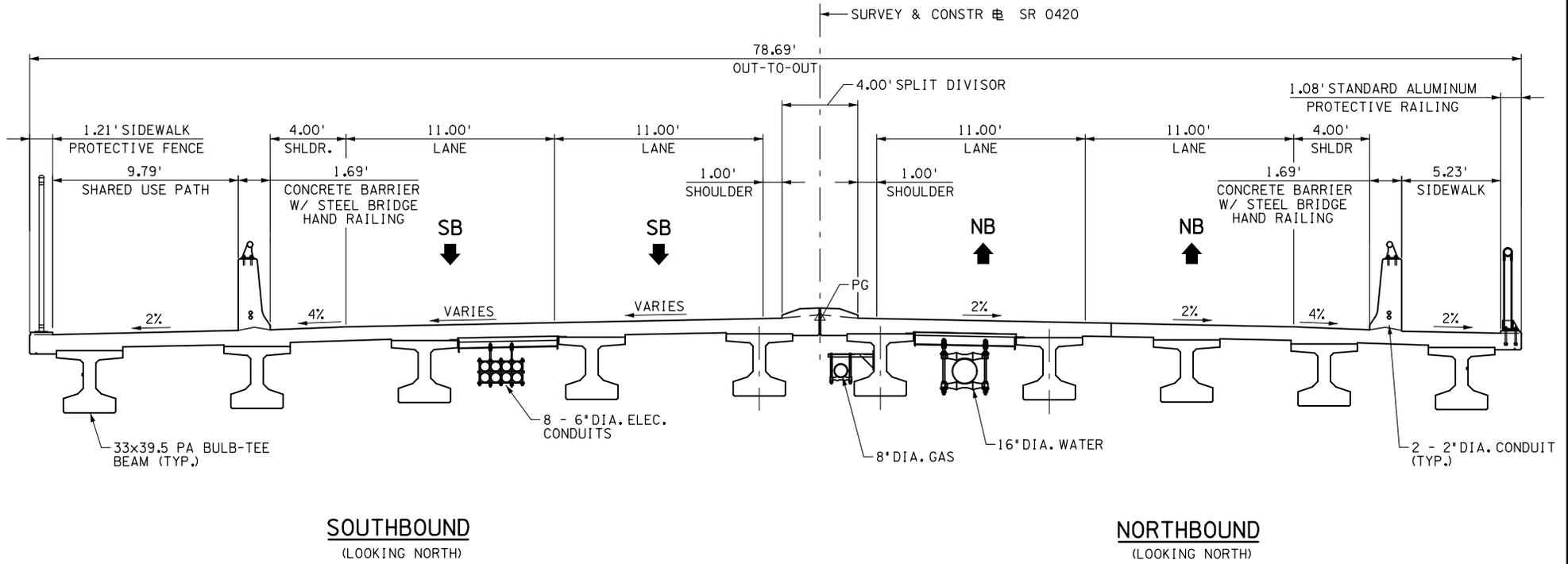
LEGEND:

- LEGAL RIGHT-OF-WAY LINE
- o--- HIGH/LOW WATER LINE
- EXISTING STRUCTURE TO BE REMOVED
- EXISTING STRUCTURE TO REMAIN
- (14) APPROXIMATE WATER DEPTH AT MEAN LOW WATER (FEET)
- ▨ PROPOSED BRIDGE

DATUM: NAVD88

08/10/2022

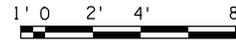
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION Gannett Fleming 08/10/2022	SR 420 (WANAMAKER AVENUE) BRIDGE OVER DARBY CREEK MILE POINT 1.3 BETWEEN PROSPECT PARK BOROUGH AND TINICUM TOWNSHIP DELAWARE COUNTY, PA	SHEET NUMBER 2 OF 6
	PLAN VIEW	



SOUTHBOUND
(LOOKING NORTH)

NORTHBOUND
(LOOKING NORTH)

PROPOSED TYPICAL SECTION



USCG PERMIT PLAN



B. Teles
08/10/2022

NOTES:

1. CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION



08/10/2022

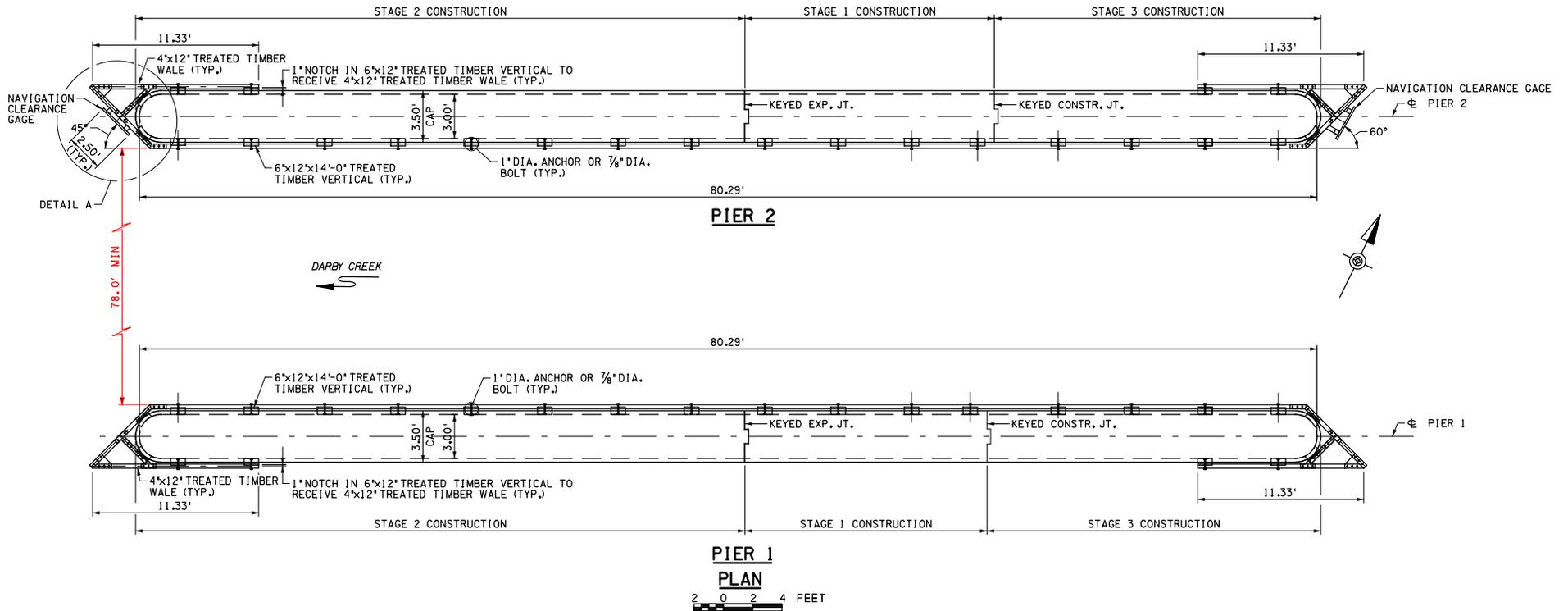
SR 420 (WANAMAKER AVENUE) BRIDGE OVER DARBY CREEK
MILE POINT 1.3
BETWEEN PROSPECT PARK BOROUGH AND TINICUM TOWNSHIP
DELAWARE COUNTY, PA

TYPICAL SECTION VIEW

SHEET NUMBER

4

OF 6



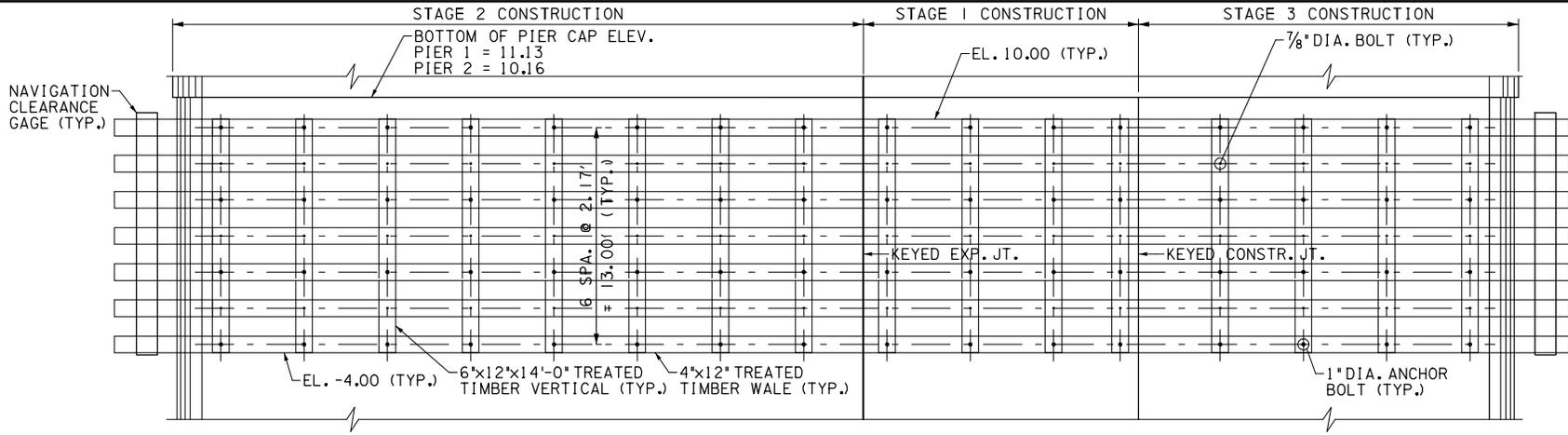
USCG PERMIT PLAN

REGISTERED PROFESSIONAL ENGINEER
 BRIAN P. TELES
 NO. PE-017474
 08/10/2022

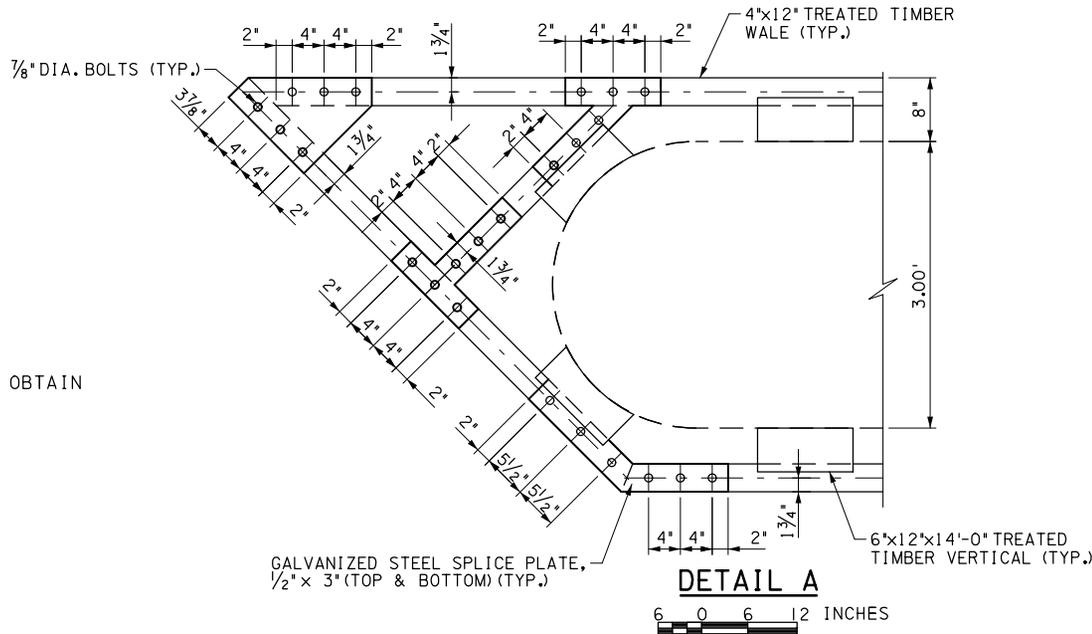
NOTES:

1. CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT.

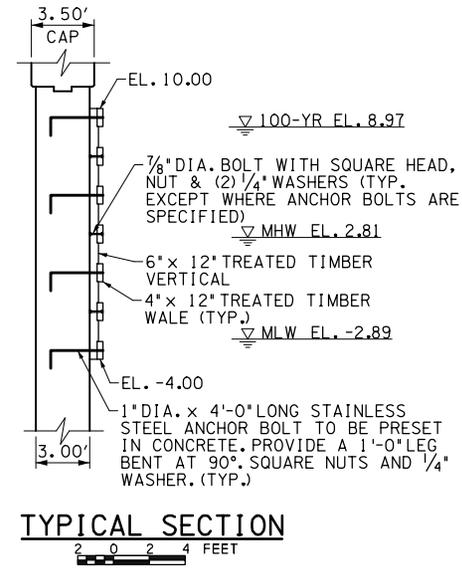
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION Gannett Fleming 08/10/2022	SR 420 (WANAMAKER AVENUE) BRIDGE OVER DARBY CREEK MILE POINT 1.3 BETWEEN PROSPECT PARK BOROUGH AND TINICUM TOWNSHIP DELAWARE COUNTY, PA	SHEET NUMBER 5 OF 6
	FENDER PLAN	



ELEVATION
 (PIER 2 SHOWN, PIER 1 SIMILAR)
 2 0 2 4 FEET



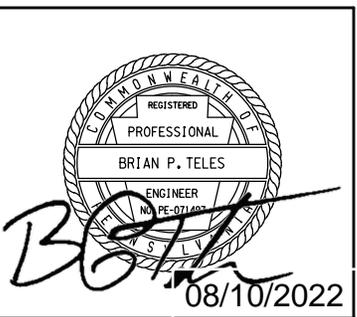
DETAIL A
 6 0 6 12 INCHES



TYPICAL SECTION
 2 0 2 4 FEET

NOTES:
 1. CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT.

USCG PERMIT PLAN



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION Gannett Fleming 08/10/2022	SR 420 (WANAMAKER AVENUE) BRIDGE OVER DARBY CREEK MILE POINT 1.3 BETWEEN PROSPECT PARK BOROUGH AND TINICUM TOWNSHIP DELAWARE COUNTY, PA	SHEET NUMBER
	FENDER ELEVATION	