

August 1, 2019

Mariners Advisory Committee for the Bay & River Delaware  
C/O Maritime Exchange  
240 Cherry Street  
Philadelphia, PA 19106

Re: Marginal Wharf Upgrade at Penn Terminals  
Borough of Eddystone, Delaware County, PA

To Whom It May Concern:

Agate Construction Co., Inc. is hereby submitting its plan and schedule of operations in the waterway at the Marginal Wharf Upgrade at Penn Terminals site. Work is scheduled to begin September 3, 2019, per maintenance approvals. The attached information details the time frame for construction equipment in and around the Delaware River waterway.

We will be working from the shore without equipment in the water. Our work will not interfere with the shipping channel in any way.

The intent of the project is to stabilize the existing Penn Terminal wharf along the shore of the Delaware River in Eddystone, PA. Agate will install a new façade structure along the entire perimeter of the wharf. The scope of work consists of the installation of 83 – 20" diameter pipe piles augered to sound rock and connected with 651 interlocking 50' sheet piles. The cavity between the existing bulkhead and the new sheeting face structure will be backfilled entirely with concrete. The structural work will be followed by the installation of a new fender system, safety ladders, fire stand-off pipes, drainage and outfall pipes. The surface will then be completed with new curbs and surface treatment. All work will take place while maintaining ship access to the dock. Work will begin on September 1, 2019 and must be completed by December 31, 2019.

The general sequence of construction in the waterway will be as follows:

1. Begin mobilization of land based equipment and install cantilevered falsework starting the week of August 8, 2019
2. Begin installation of pipe and sheet piles on the north side of the bulkhead starting the week of September 2, 2019.
3. Begin concrete installation on the north side of the bulkhead starting the week of September 9, 2019.
4. Begin installation of pipe and sheet piles on the south side of the bulkhead starting the week of October 28, 2019.

5. Begin concrete installation on the south side of the bulkhead starting the week of November 11, 2019.
6. Demobilize falsework and land based equipment starting the week of December 30, 2019. Equipment will be completely demobilized from the project site prior to January 31, 2020.

Please note that this is a general work plan and may be adjusted slightly during actual construction operations.

We hope this plan and schedule meets your approval. If you should have any questions or concerns regarding this, please do not hesitate to contact me at (856)912-8425.

Sincerely,

Zachariah Wenig,  
Field Engineer  
Agate Construction Company, Inc.

Cc: Chris Cooper, Agate Project Manager