



WHAT CAN I EXPECT DURING CONSTRUCTION?

Every reasonable attempt will be made to minimize impacts and disruptions to the surrounding community during construction. Temporary traffic control and protective measures, including signage, will be placed to keep the general public away from active work areas and equipment, and ensure site safety. All existing features will be protected during construction, with all trench areas either being backfilled or covered by steel plates at the end of each work day. Upon completion, all disturbed areas will be restored to pre-construction conditions. In areas where excavations or demolitions have occurred, the areas will be graded to match the elevation of the surrounding area, and seeded or paved accordingly as part of restoration efforts.

WILL MY EXISTING WATER SERVICE BE AFFECTED?

Upon flushing, disinfection and activation of the new water lines, existing water services will be transferred from the existing water lines to the newly placed water lines. This process can generally be accomplished in less than two (2) hours, barring unforeseen issues. Affected water customers will be notified in advance, and will be given the opportunity to re-schedule, as required. **The existing water lines will not be removed from service until all water services have been transferred.**



FORT MONROE AUTHORITY

c/o Veolia North America
57 Patch Road
Fort Monroe, VA 23651

WHO CAN I CONTACT REGARDING MY QUESTIONS AND CONCERNS?

The Fort Monroe Authority, the City of Hampton, and Newport News Waterworks will each have full-time, on-site inspectors to handle the day-to-day operations during construction. Prior to the start of construction, a separate notification will be sent with contact information for the various Inspectors assigned to this project. Additionally, if you have any questions or concerns regarding this project, please express them in writing to either address below.

Michael Baker

INTERNATIONAL

Michael Baker International, Inc.
272 Bendix Road, Suite 400
Virginia Beach, VA 23452

Attn: Mr. Warren Wilczynski, ENV SP
E-mail: Warren.Wilczynski@mbakerintl.com



(We would appreciate receiving your written comments by December 18, 2020. All received comments and responses will be made publicly available.)



14-INCH WATER LINE REPLACEMENT PROJECT

Fort Monroe Authority

FMA Project No. 360-360AA-004 | Contract No. PC-345-2019
DGS Project No. 194-18191-004

As part of maintaining social responsibility and distancing during the COVID-19 pandemic, a formal Public Meeting cannot be held at this time for the aforementioned project. Therefore, the Fort Monroe Authority, Newport News Waterworks and the City of Hampton have partnered to provide pertinent project information regarding current design and future construction efforts associated with this project, as described in this Public Information Flyer, and on our website at <https://fortmonroe.org/>.

PROJECT PURPOSE AND NEED

This project will replace approximately 6,000 feet of existing 14-inch diameter cast iron water line, located along E. Mercury Boulevard between Old Buckroe Road and Fort Monroe, which was installed in the mid-1940s. The water line provides service exclusively to Fort Monroe, primarily to enhance fire protection capabilities. It is owned by the Commonwealth of Virginia and operated and maintained by the Fort Monroe Authority (FMA) through a privatization contract with Veolia North America (Veolia). As a result of on-going operations and maintenance issues, including numerous and repetitive repairs, this existing water line has reached the end of its useful life and is in need of replacement.

This \$4.6 million project is being funded by the Commonwealth of Virginia, and upon its completion, these new water lines will be turned over to Newport News Waterworks, our regional water provider. This is the first step in the Fort Monroe Master Plan to replace its existing utilities, and transfer ownership, operation and maintenance responsibilities for those utilities to the respective local and regional service providers.

PROJECT DESCRIPTION

In lieu of parallel replacement, the proposed water line improvements to be installed are shown on the included graphic: 1) within the Phoebus area, using ductile iron pipe along W. County Street from Bainbridge Avenue to S. Mallory Street, along a portion of E. County Street from Curry Street to Willard Avenue, along Hope Street from E. Mellen Street to E. Sewell Avenue, and along E. Sewell Avenue from Hope Street to S. Curry Street installed by open-cut trench methods; 2) across Mill Creek using approximately 2,375 linear feet of 20-inch diameter (16-inch nominal) high-density polyethylene (HDPE) pipe installed by horizontal directional drilling (HDD) methods; 3) on Fort Monroe property in the vicinity of 10 and 12 Stilwell Drive using ductile iron pipe installed by open-cut trench methods, with open-cut interconnections to the existing Fort Monroe water distribution system; and, 4) replacement of an existing water line interconnection between Stilwell Drive and Ingalls Road on Fort Monroe property, using ductile iron pipe installed by open-cut trench methods. Including the HDD portion, the total length of proposed water line to be installed is approximately 5,700 feet.

The existing water line will be abandoned in-place upon construction completion of the proposed water lines. Additionally, the existing meter vault and backflow preventer at the intersection of Old Buckroe Road and E. Mercury Boulevard will be demolished above-ground, with the below-ground portions of the structures being abandoned in-place. Demolition of two (2) above-ground structures on the Fort Monroe property will also be performed, with respective below-ground portions of the structures being abandoned in-place. The work is expected to be completed predominantly during daytime, non-peak, hours. Where possible, night work may be performed to help minimize disturbances to traffic and businesses.

ESTIMATED PROJECT SCHEDULE

Final Design: Fall 2020
Advertisement: Winter 2021
Contract Award: Spring 2021



CONSTRUCTION ACTIVITIES

Start Date: Summer 2021
Completion Date: Spring 2022
Construction Cost: \$ 4.6 Million

PROJECT PARTNERS

Owner:
Fort Monroe Authority

Manager:
Veolia North America

Engineer:
Michael Baker International, Inc.

Water Utility:
Newport News Waterworks

Locality:
City of Hampton
Department of Public Works

City of Hampton
Robin McCormick (Communications)
757-728-3276

Partnership for a New Phoebus
Toni Williams
757-727-0808



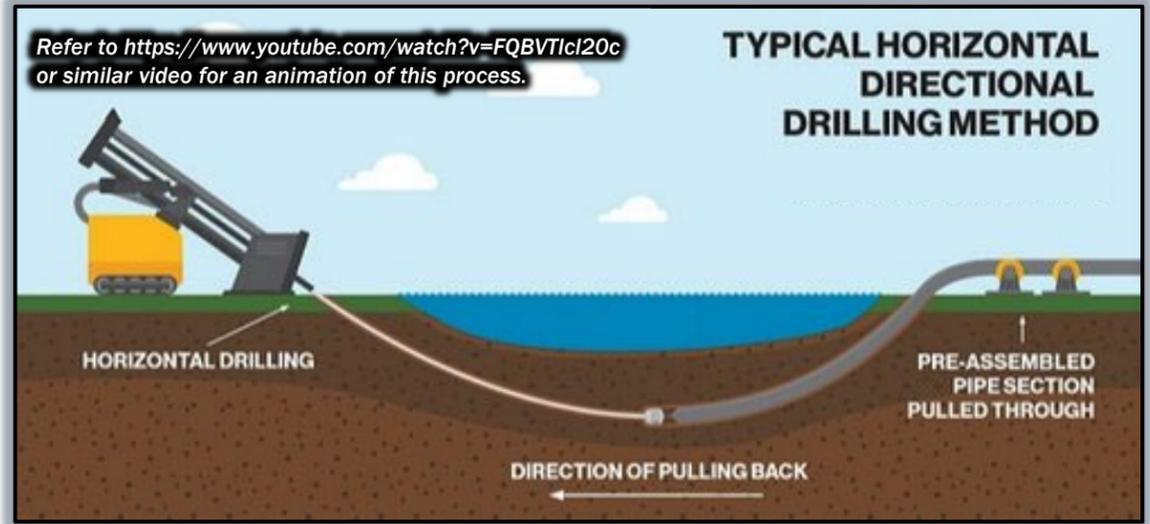
PROJECT BENEFITS

Primarily, the proposed water lines will provide a reliable alternate water supply to Fort Monroe, by replacing the existing aged infrastructure along E. Mercury Boulevard. Secondly, the proposed improvements along various streets within portions of Phoebus will replace segments of deficient water lines. This will aid to improve fire flows along Hope Street, by replacing approximately 1,800 feet of aging pipe in the Newport News Waterworks' distribution system. By performing installations as described herein, multiple objectives can be achieved which could not be otherwise afforded by parallel replacement. Upon completion of construction and activation, ownership of the proposed water lines will be conveyed to Newport New Waterworks for continued operations and maintenance.

EXAMPLES OF TYPICAL CONSTRUCTION



Open-cut trench methods will be used to install the proposed water line along existing streets in the Phoebus area and on Fort Monroe. The new water lines range in size from four (4) inches to 12 inches in diameter, and will generally be located a minimum of three (3) feet below the existing ground and pavement surfaces, or deeper as required to avoid conflicts with existing utilities. The existing water system and services will remain active during construction of the proposed water lines, and continue to operate until all water service customers are re-connected to the newly installed water lines.



Horizontal directional drilling methods will be used to install the proposed water line between the entry point on Fort Monroe, across Mill Creek, to the exit point in E. County Street, between Willard Avenue and Curry Street. The new water line will be located a minimum of thirty (30) feet below the channel bottom of Mill Creek, which will alleviate environmental impacts.

Note:
The photographic and graphic examples provided are representative of work being performed under conditions similar to those within the project area, and do not represent actual construction of the Fort Monroe 14-Inch Waterline Replacement Project.