

An aerial photograph of Plymouth, Massachusetts, showing a large harbor filled with numerous small boats. A stone breakwater runs along the left side of the harbor. To the right, a coastal town with various buildings and parking lots is visible. The water is a deep blue-green color.

WATER STREET INTERCEPTOR REPLACEMENT PROJECT

PUBLIC OUTREACH SESSION
PLYMOUTH, MA
November 8, 2023

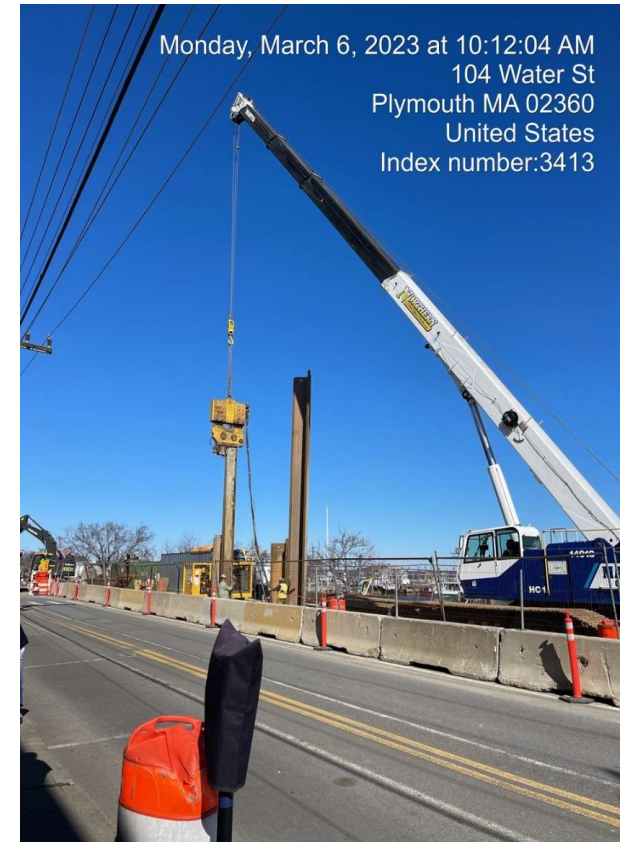
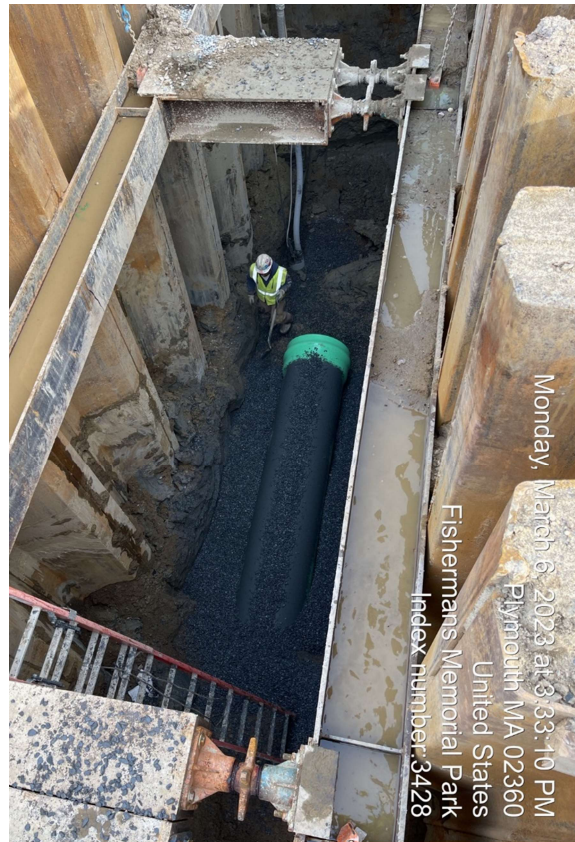
PROJECT BACKGROUND

- Original Sewer Interceptor built in 1969
- Because of (2) 45-degree bends, CCTV pipe assessment is impossible – the pipe's condition in the harbor is unknown
- Goal: To replace the 30-inch gravity sewer interceptor along Water Street between Town Wharf and #78 Water Street
- Abandon pipe and manholes in the harbor
- Design by Weston & Sampson and failed attempt by Grove Construction in 2014 (photos)
- Project suspended
- EP designed emergency repairs implemented in 2015
- Project incomplete as of 2021



PROJECT UPDATE

- Northern Construction Service, LLC (NCS), began construction activities in December 2022 and worked on the installation of the sewer interceptor through March 2023.



PROJECT UPDATE

- Construction challenges with dewatering were encountered on March 7, 2023
- Project was on hold for about 2 months to review conditions and revise dewatering methodology.



PROJECT UPDATE

- March 2023, NCS resumed activities with a revised dewatering plan (pressure monitoring in pre-existing piezometers and installation of new piezometers).
- On May 1, 2023, NCS provided a revised dewatering plan (Relief Well System).
- Installed revised dewatering plan including relief wells.
- Installed approximately 185 linear feet of 30-inch pipe
- Extracting sheeting
- Paved and demobilized



PROJECT UPDATE

- NCS resumed construction activities on Water Street on Monday, May 22, 2023, and continued work through Friday, June 30, 2023, before shutting down work for the summer.
- Traffic on Water Street was restored to two lanes of traffic following the completion of pavement restoration.



PROJECT SUMMARY

- 30" PVC Interceptor: 1,300 LF
- Completed to date: 527 LF
- Remaining Work: 773 LF
- Final Paving & Cleanup

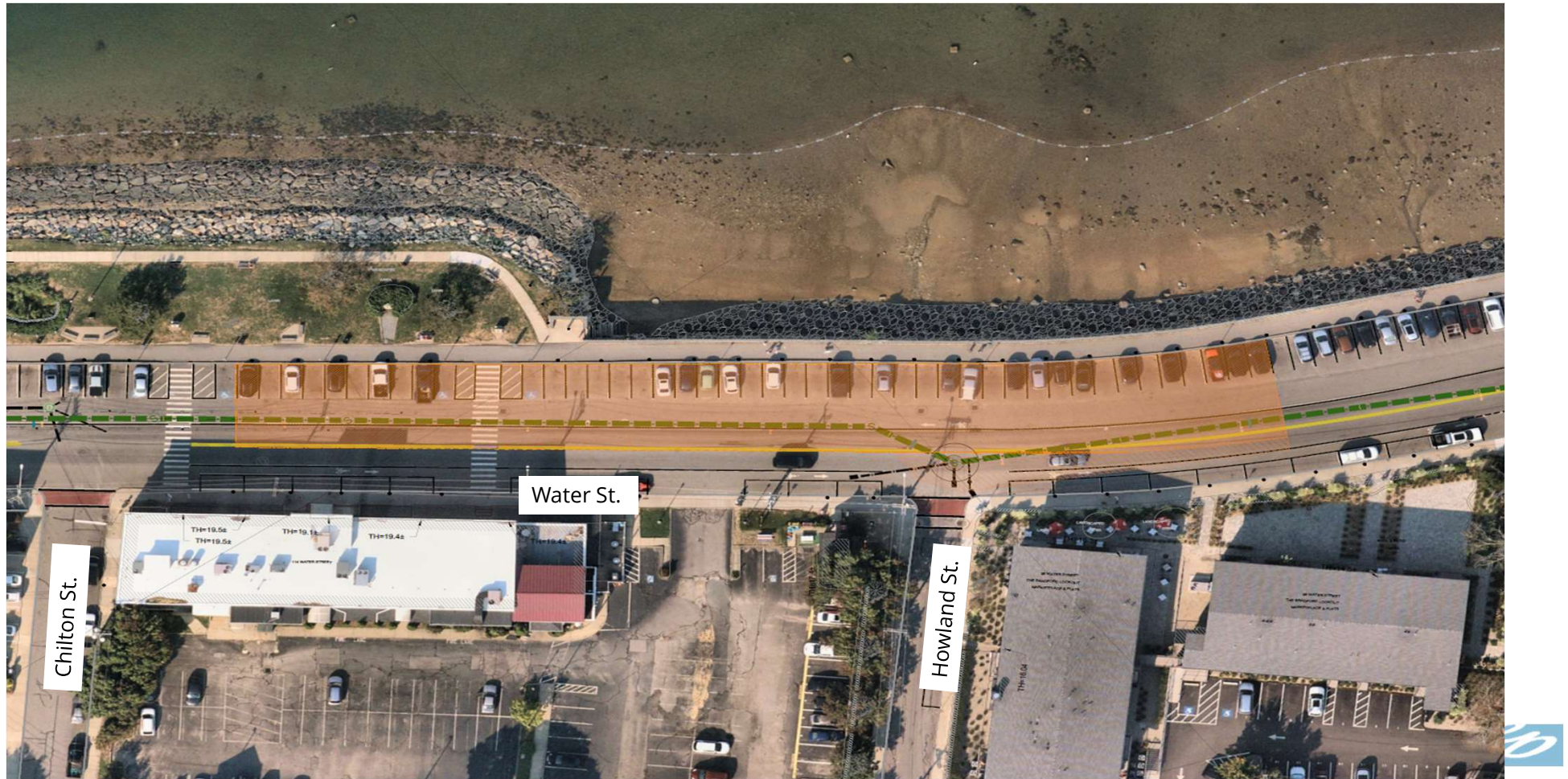


PROJECT UPDATE

- Mobilization: DEC. 4, 2023- Memorial Hall to be used as staging area (same as before)
- Interceptor Installation: Chilton to Howland Street- Complete by February 2024
- Remaining Work: by end of April 2024
- Mill and overlay work will be completed by the end of fall 2024.



PROJECT SEQUENCE 2A



PROJECT SEQUENCE 3A



TRAFFIC MANAGEMENT DURING CONSTRUCTION



Plan & Schedule

- Implement relief wells
- Resume construction activities until June
- Install gravity pipe/backfill/removed sheeting/temporary pave
- Complete the rest of the project in the fall



Q&A



THANK YOU

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