

WATER STREET INTERCEPTOR REPLACEMENT PROJECT



PUBLIC OUTREACH SESSION
PLYMOUTH, MA
November 8, 2023

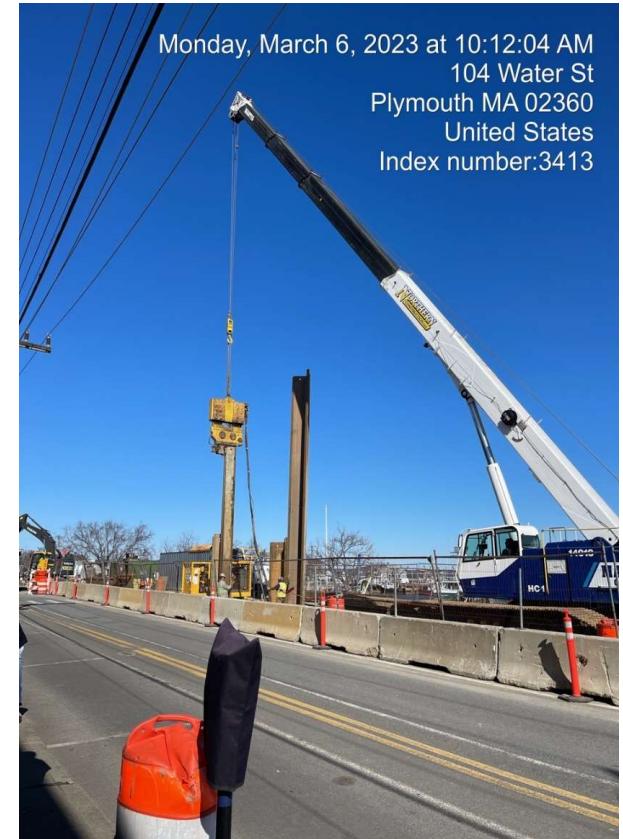
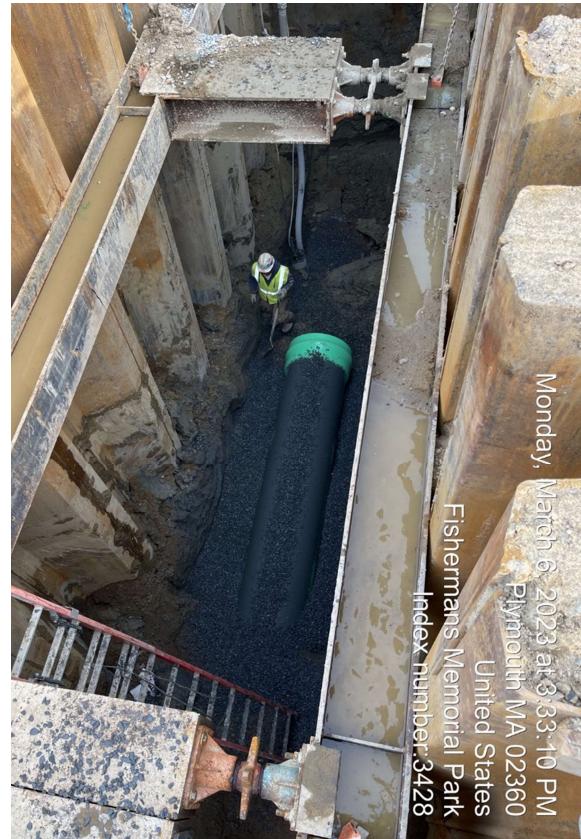
PROJECT BACKGROUND

- 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



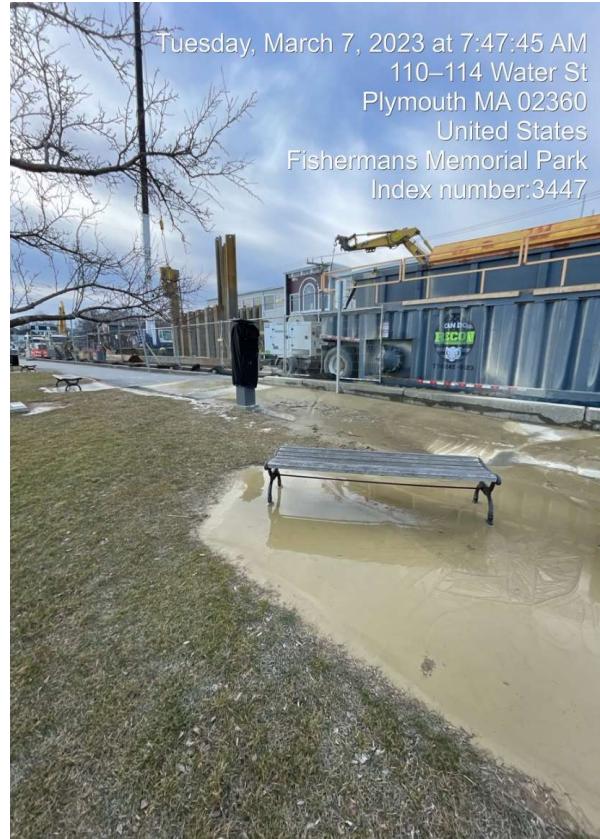
PROJECT UPDATE

- 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.



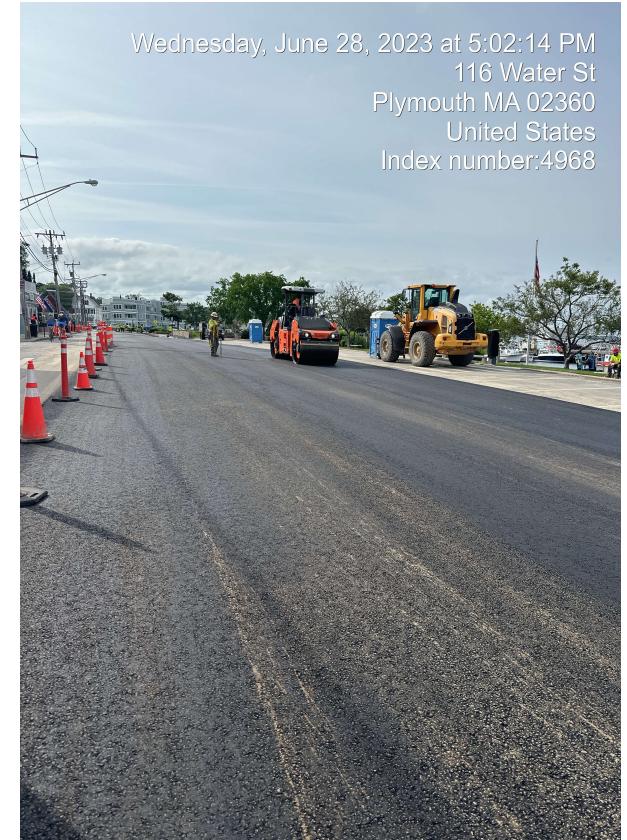
PROJECT UPDATE

- 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

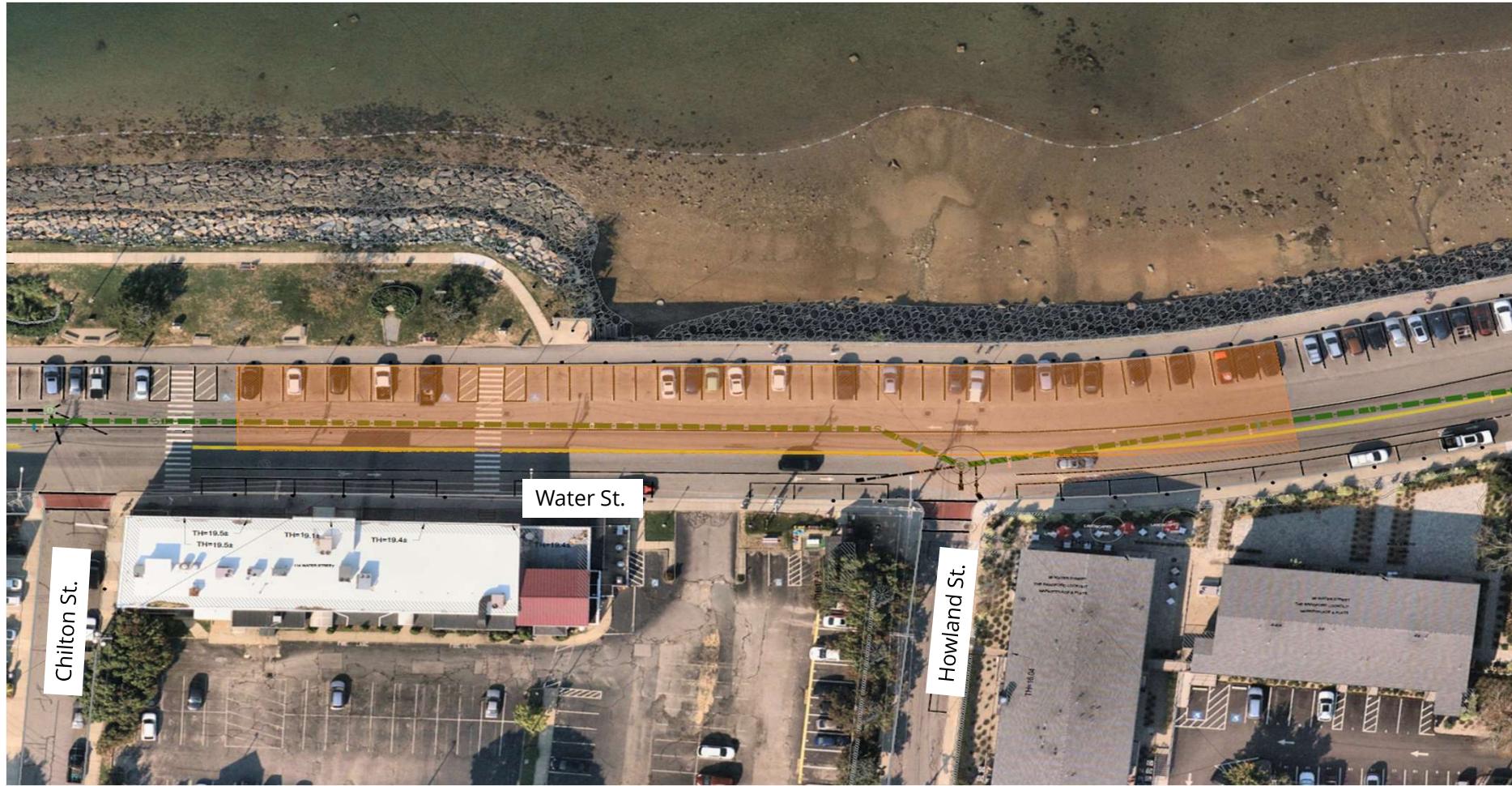


PROJECT UPDATE

- 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.



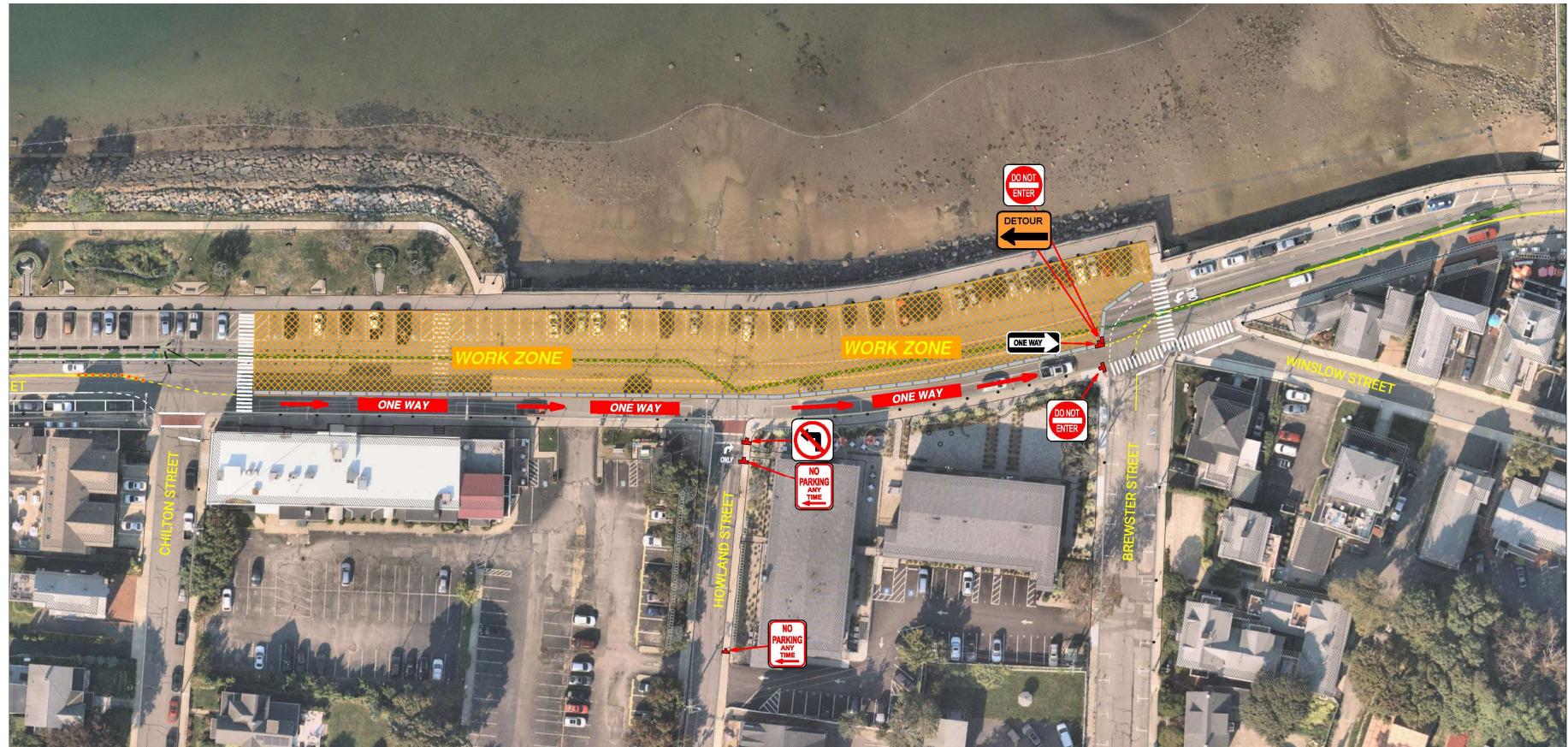
PROJECT SEQUENCE 2A



PROJECT SEQUENCE 3A



TRAFFIC MANAGEMENT DURING CONSTRUCTION



WATER STREET SEWER INTERCEPTOR REPLACEMENT PROJECT
STAGE 4A WORK AREA & TRAFFIC PLAN
EFFECTIVE ~DECEMBER 4, 2023

TOWN OF
PLYMOUTH
MASSACHUSETTS

NORTHERN
CONSTRUCTION LLC



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

ENVIRONMENTAL
 PARTNERS

— An Apex Company —