



BOSTON WATER & SEWER COMMISSION
REHABILITATION OF THE NEW BOSTON MAIN INTERCEPTOR – Phase II
Contract No. 24-309-005
Report for January 5 through February 29, 2024

PROJECT SUMMARY

The New Boston Main Interceptor (NBMI) is a critical part of the BWSC's wastewater system, carrying sewage and stormwater from more than 3,000 acres in City neighborhoods. Due to severe degradation, the NBMI system needs to be rehabilitated. The goal of this project is to rehabilitate a 2,000-foot portion of the existing 102-inch NBMI and two major sewer structures. The sewer system is approximately 25 to 35 feet deep, and rehabilitation work is being done in a "trenchless" manner to avoid deep excavation along the pipe length and to minimize neighborhood and traffic disruption. This Contract involves rehabilitation a portion of the NBMI system under Preble Street and Moakley Park. Most of the work is done from within Moakley Park and a parking lot owned by the Massachusetts Water Resource Authority (MWRA).

PIPE SLIPLINING (MOAKLEY PARK)

Cleaned the project portions of the 102-inch NBMI pipe. Located and raised two access manholes in Moakley Park. Upcoming work: install turf covers on the two manholes, pull a mandrel (essentially a full-scale model of a pipe segment) through the portion to be sliplined to make sure the pipe will fit before it is ordered.

SPECIAL MANHOLE A (MWRA PROPERTY)

Started measuring and planning for the work platform needed to rehabilitate the manhole. Rehabilitation work is planned to be done following sliplining work.

SPECIAL MANHOLE B (MOAKLEY PARK)

Rehabilitation work is planned to be done following sliplining work.



MAJOR WORK ITEMS

Work	Commence Date (est.)	Percent Complete
System Cleaning/Inspections	Jan 2024	80%
Access Shaft & Pipe Sliplining	Apr 2024	0%
Special Manhole A	Oct 2024	0%
Special Manhole B	Jan 2025	0%



After crews could not locate buried manhole in Moakley Park by metal detector, a grid was painted to guide drilling exploration.



Initial cleaning of the existing NBMI pipe through Special Manhole B in Moakley Park.