

# Sea Street Pump Station Force Main No.3

Nantucket, MA  
Fall 2024 Construction  
Public Outreach Session  
August 5, 2024, 5:00 PM

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SEWER DEPARTMENT DIRECTOR



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VICE PRESIDENT

**Hazen**

# Agenda:

- Project Description and Need
- Work Completed to Date
- Fall 2024 Construction Plan
- What to Expect
- Construction Schedule
- Questions



# Project Description and Need



# Project Scope and Purpose

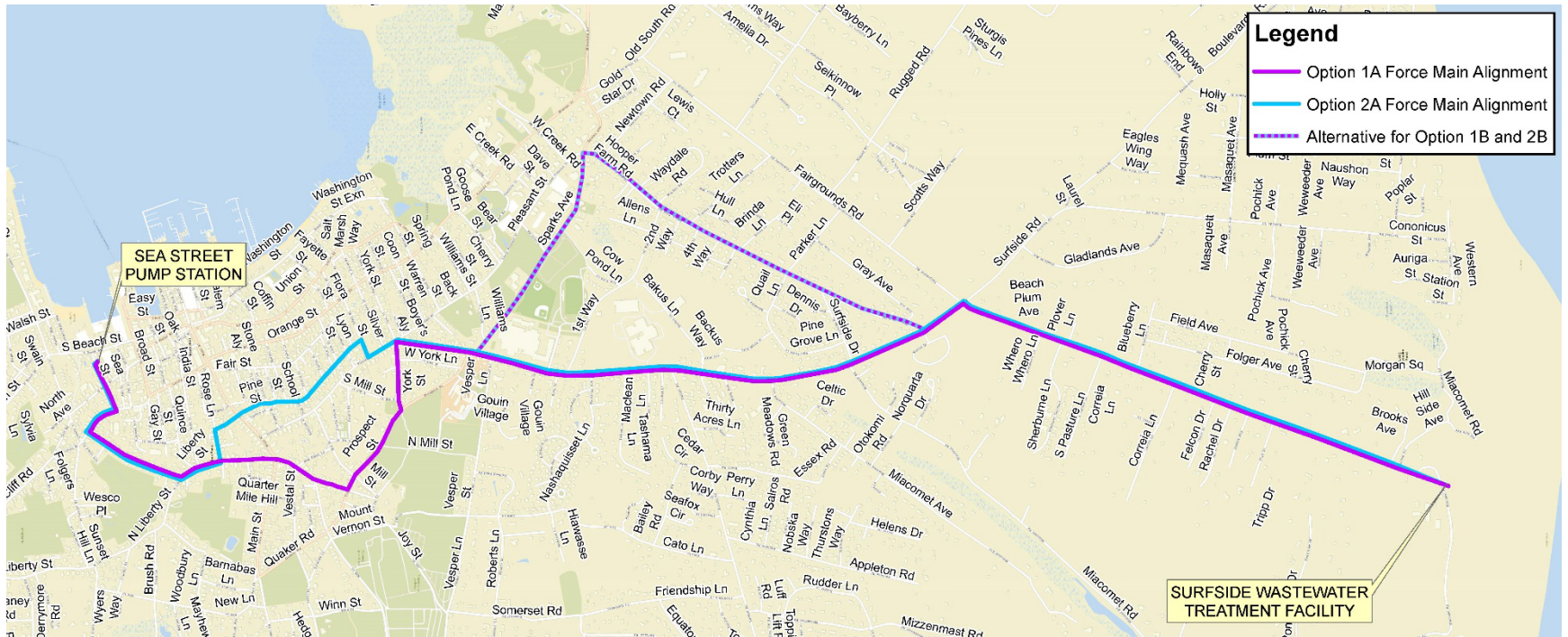
- Scope
  - Design and construct a new sewer force main (Force Main No.3) from the Sea Street Pump Station to the Surfside Wastewater Treatment Facility (3.4 miles)
  - Upgrade existing utilities along sewer force main alignment.
- Purpose
  - Construct a pipe that will serve as the primary force main
  - Provide additional sewer capacity per the Sewer Master Plan
  - Allow retiring of the existing 16-inch PE force main
  - Allow for future rehabilitation of the existing 20-inch DI force main (secondary force main)



# Work Completed to Date



# Force Main Alignment



Street	Length (ft)
Sea Street	226
Step Lane	300
Centre Street	402
Lily Street	1,200
Liberty Street	860
Winter Street	305
Pine Street	1,730
Silver Street	215
Pleasant Street	360
Atlantic Avenue	885
Surfside Road	5,970
South Shore Road	5,800
<b>Total</b>	<b>18,253</b>



# Work Completed to Date

**LEGEND**

X = COMPLETE

X = TO BE COMPLETED

Street	Force Main Construction	Water Main Replacement	Gravity Sewer Replacement	Stormwater System Replacement	Restoration Work
Sea Street	X		X		X
Step Lane	X	X	X		X
Centre Street	X		X		X
Lily Street	X	X	X	X	X
Liberty Street	X	X	X	X	X
Winter Street	X	X	X	X	X
Pine Street	X	X	X		X
Silver Street	X	X	X	X	X
Pleasant Street	X		X	X	X
Atlantic Avenue	X		X	X	X
Surfside Road	X				X
South Shore Road	X			X	X



# Work Completed to Date

- **100%** of the 24-inch sewer force main
- **75%** of the 20-inch sewer force main
- **77%** of the force main valves and access control structures
- **63%** of gravity sewer main, manholes, and services
- **43%** of water main, appurtenances and services
- **50%** of stormwater infrastructure work
- **10%** of restoration work



# Fall 2024 Construction Plan



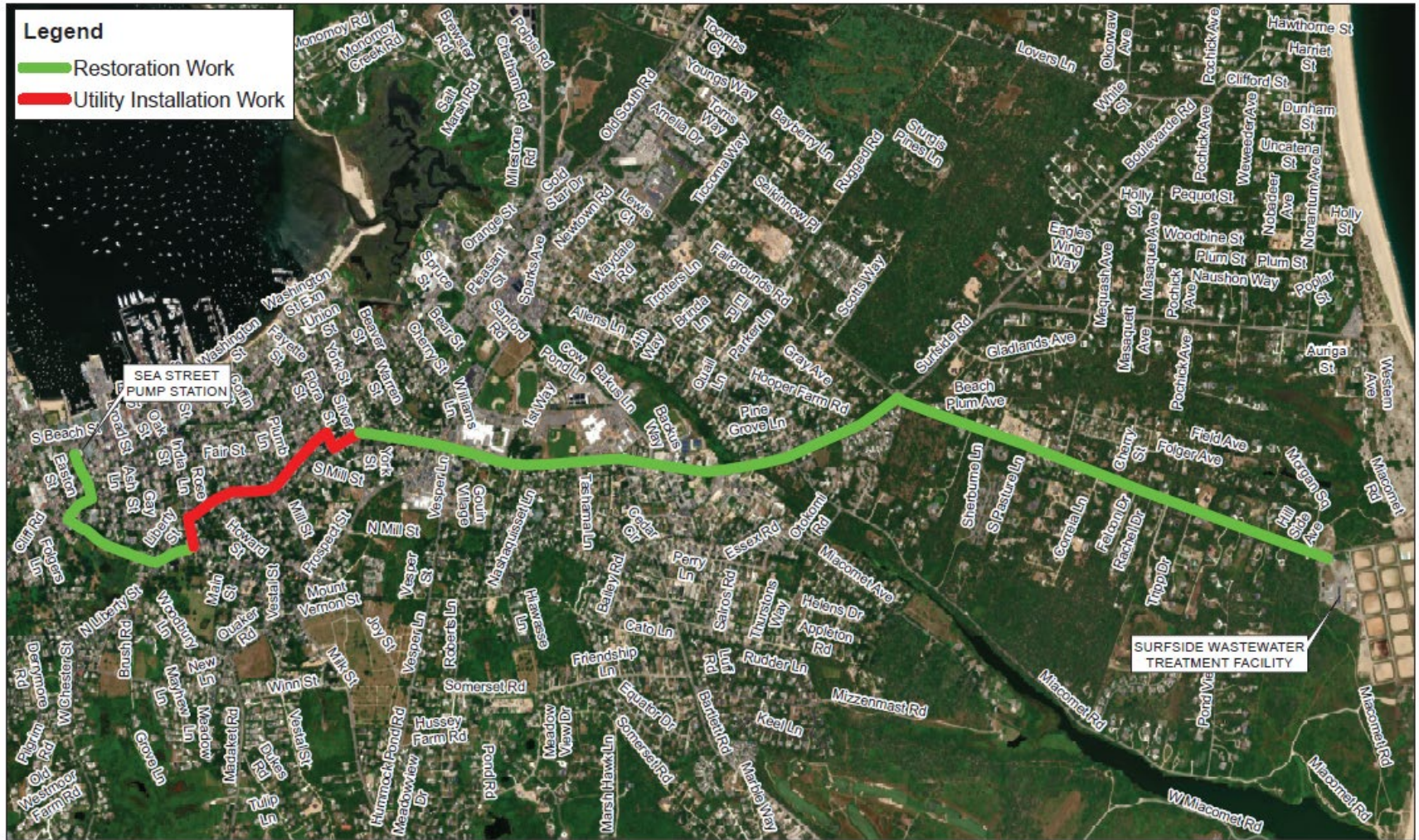
# Fall 2024 Construction Plan:

Beginning on September 9, 2024

- **Crew #1:** Utility Installation on Pine Street (Start at #19)
- **Crew #2:** Utility Installation On Liberty Street (Start at Gardner)
- **Crew #3:** Downtown Area Surface Restoration and Paving
- **Crew #4:** Surfside Road Paving
- Typical Working Hours (7:00 AM to 5:00 PM)
- Road closed 24-hours a day to through traffic during construction, except for residents
- Crews and detail officers will assist with property access
- No on-street parking will be allowed
- Duration of work will depend on actual production
- Construction updates will be provided monthly
- Call the Sewer Department with questions and concerns



# Fall 2024 Construction Plan:



- **Restoration Work:** All Roads
- **Utility Installation Work:** Liberty, Winter, Pine, Silver, Pleasant



# Typical Traffic Management and Signage:

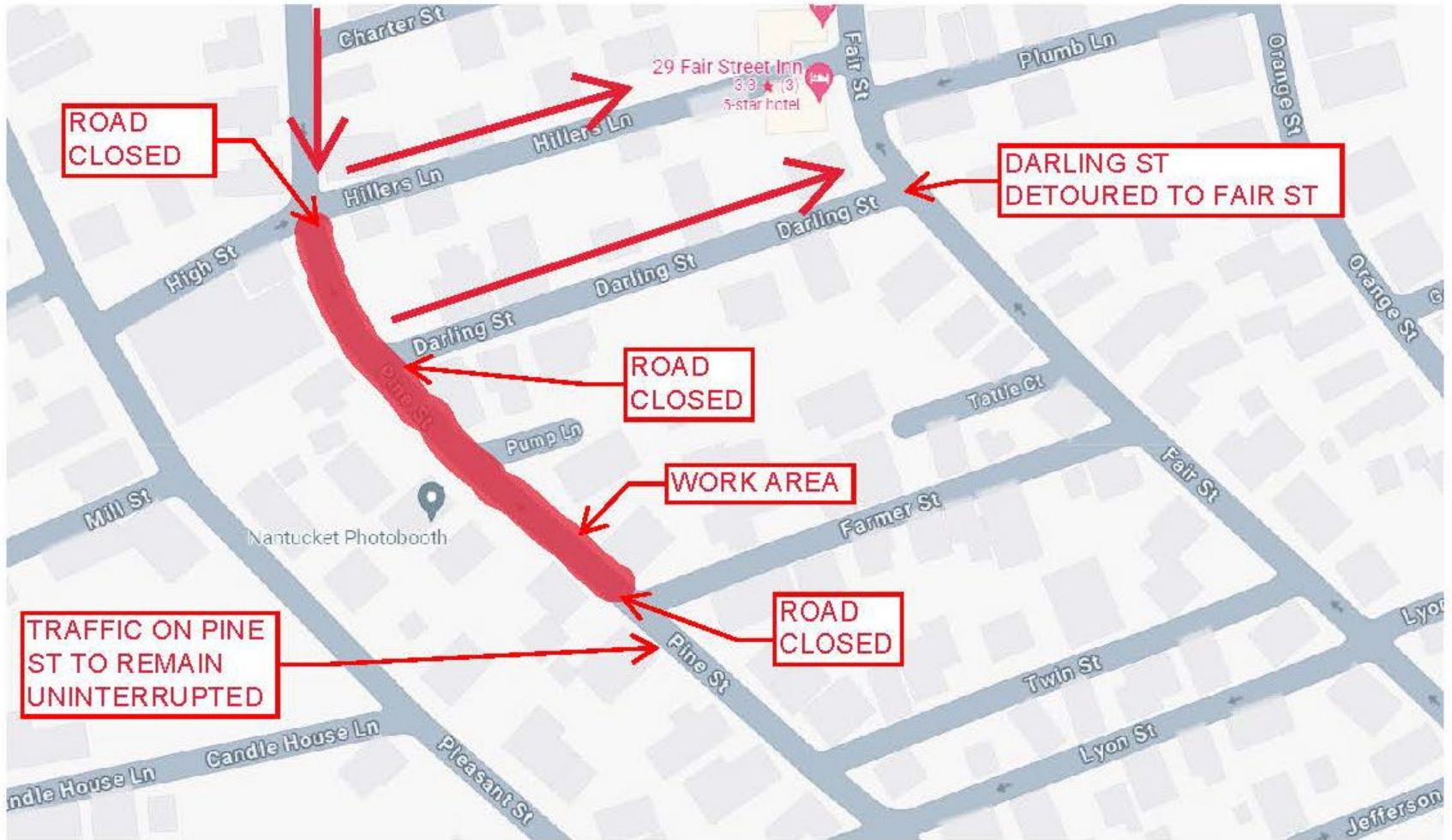
- Localized detours will shift as work progresses
- **Residents and Services required by residents (i.e. fuel/oil, trash pickup, Visiting Nurse, Private Contractors and other deliveries) will have access to closed streets**
- Please call the Sewer Department with any question or concerns: 508-228-7200 ext. 7800

Beginning on September 9, 2024

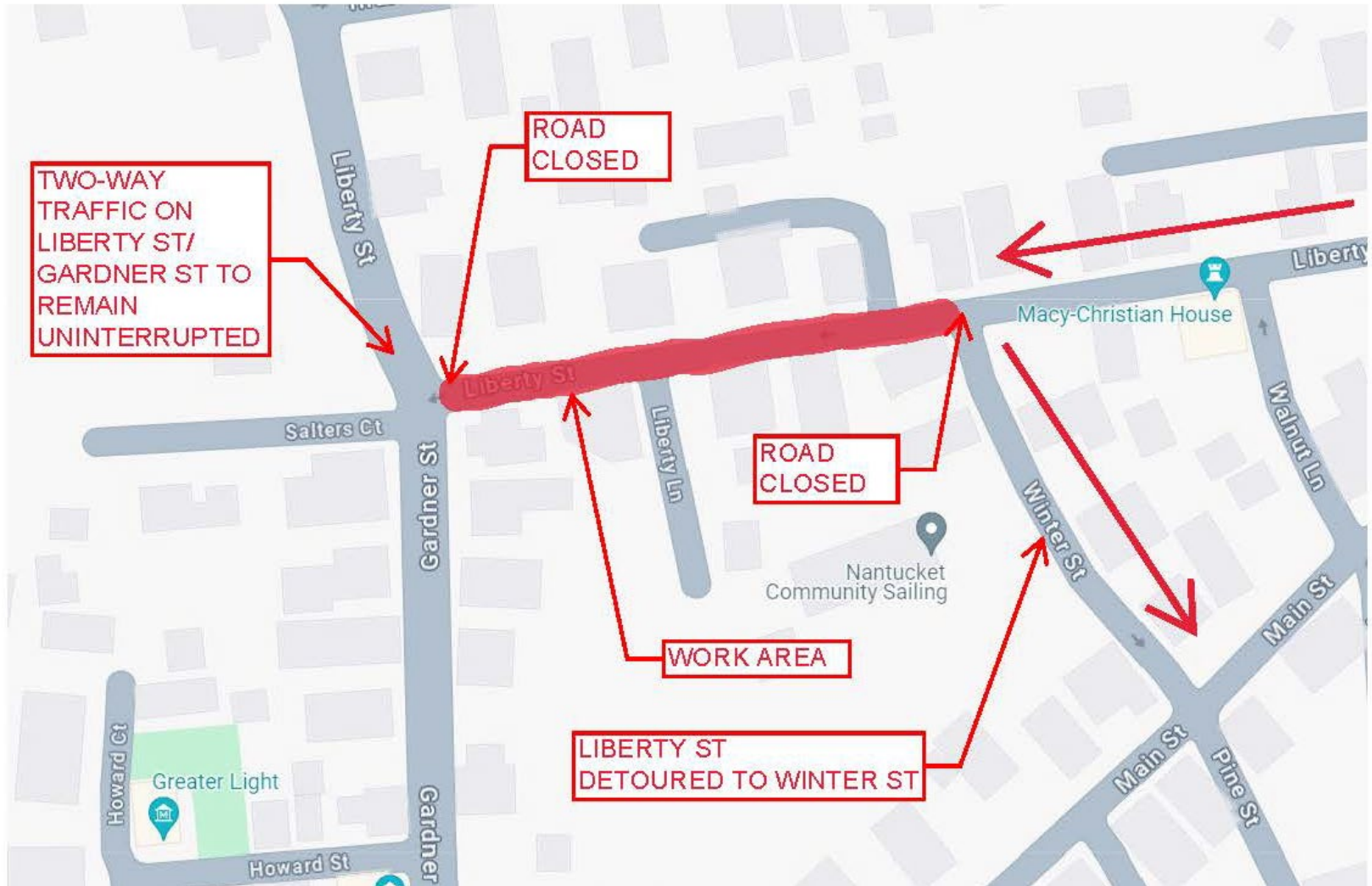
- **Closure/Detour #1:** Pine Street between Hillers Lane and Farmer Street. Tributaries of Pine Street will be directed to Fair Street.
- **Closure/Detour #2:** Liberty Street between Gardner Street and Winter Street.



# Closure/Detour #1: Pine Street



# Closure/Detour #2: Liberty Street



# Typical Traffic Management and Signage:



Typical Road Closed to Thru Traffic Sign



Typical Localized Detour Signage

# What to Expect

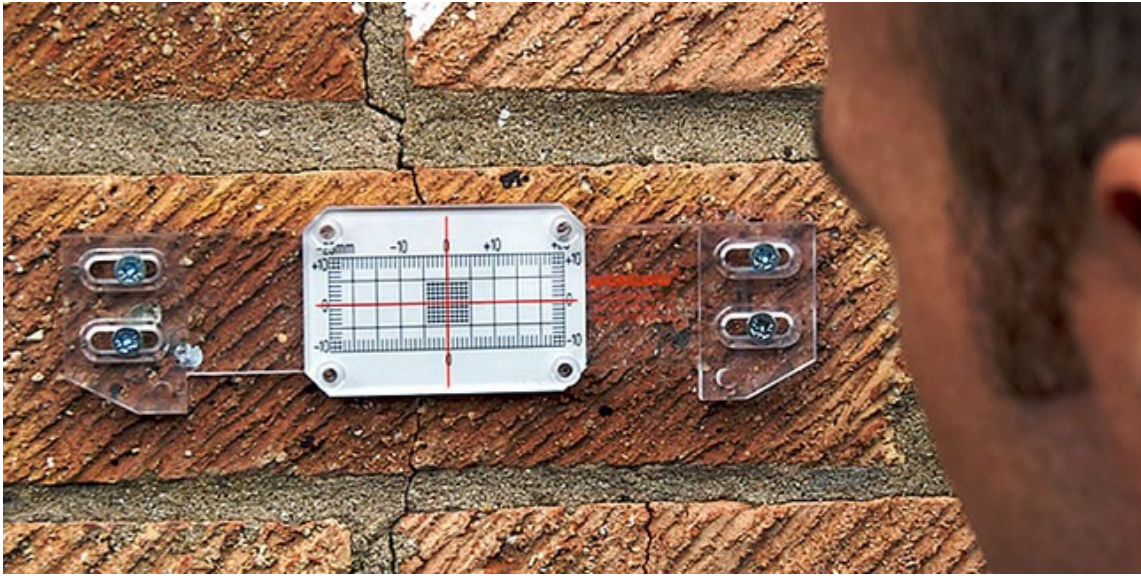


# Construction Activities

- Pre-Construction Survey of existing features (photos & video) along the force main alignment (To be Completed by Contractor this month)
- Installation of monitoring points as required (Complete)
- Construction layout and field survey (Complete)
- Road shutdown and detours around the work using adjacent streets
- Water Main Bypass Piping (Temporary above grade Pipe)
- Excavation of trench & installation of pipelines
- Backfilling of trench
- Temporary trench paving



# Construction Activities – Monitoring Points (as required)



- Crack Gauges
- PK Nails
- Survey Nails
- Vibration Monitors



# Construction Activities – Roadway and Sidewalk Removal



# Construction Activities – Trench Box and Utility Installation



# Construction Activities – Road Grading and Temporary Paving



# Construction Schedule



# Construction Schedule\*

\*Subject to change based on progress

Activity	Streets Included	Start Date*	End Date*
Final Pavement Installation and Surface Restoration	Sea Street, Step Lane, Centre Street, Lily Street, Liberty Street, Atlantic Avenue, Surfside Road	October 2024	December 2025
Utility Installation	Liberty Street, Winter Street, Pine Street, Silver Street, Pleasant Street	September 2024	May 2025



Questions?

Please call the Sewer Department with any future question or concerns during construction:

508-228-7200 ext. 7800



# THANK YOU

