



→ **Rob Faley**
Department of Public Works, Director
Jeff Gregg
GHD Inc – Project Manager

Chatham Phase 1F-1 Sewer Project

Public Meeting: October 29, 2025

Welcome

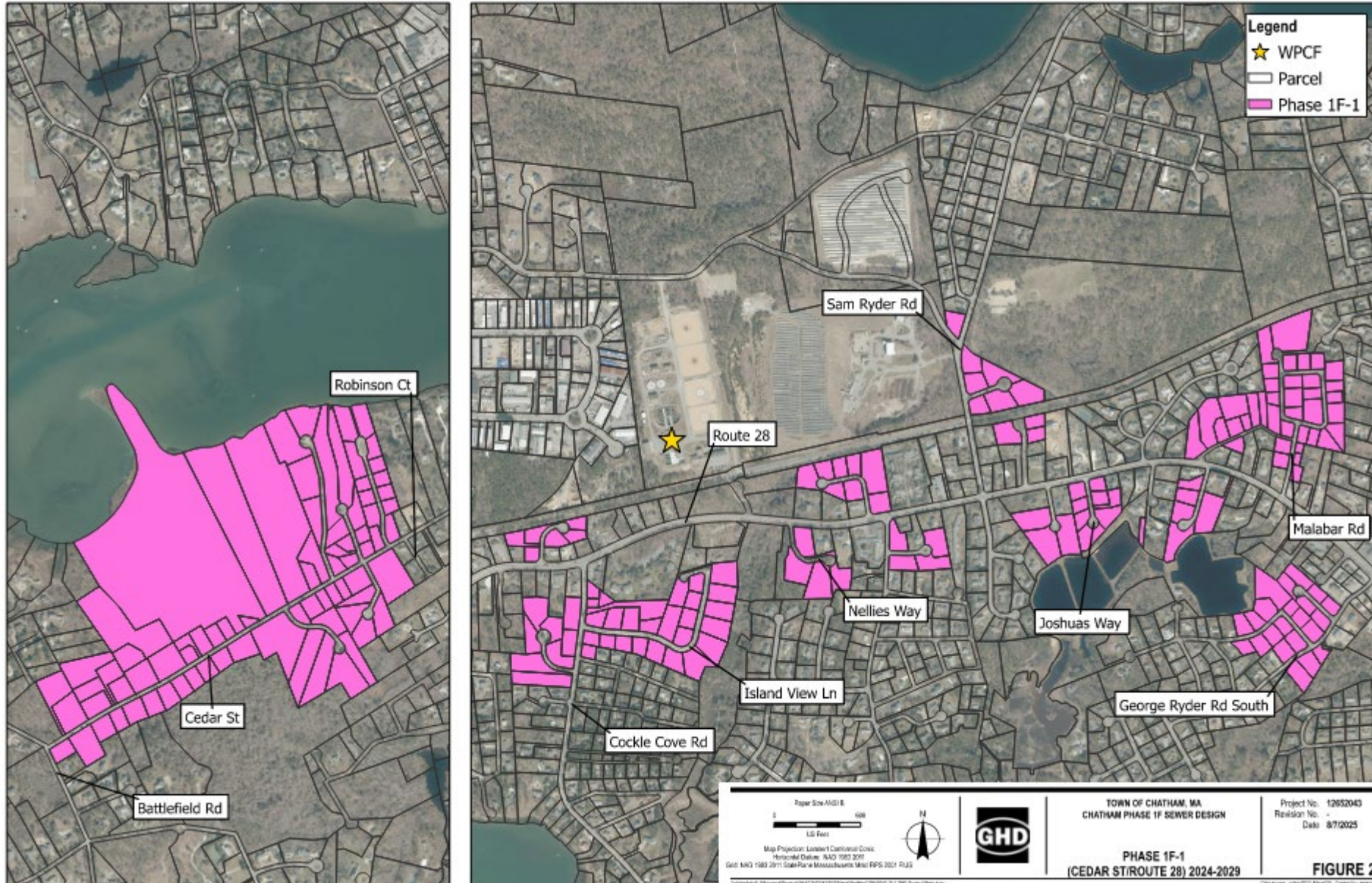


Chatham Phase 1F-1

→ Update

- Agenda
 - Project Area
 - Process for identifying sewer service type & location
 - Sewer Stub Location
 - Pump Station Location / Components
 - Traffic Control
 - What to expect during construction
 - What to expect after construction
 - Grinder pump information
 - Schedule / project information

Sewer Service Area Parcels



Process for Identifying Proposed Sewer Lateral Locations

Each property was examined to try to identify potential locations for sewer laterals for design and bidding.

Final locations will be determined during construction.

Property Lateral Locations

- Board of Health records to provide available site records
- Google Earth and some site visits to consider “existing” conditions
- Utility records from available sources
- GIS and survey data obtained during design

Process (in general terms)

1. Sewer design and layout in street
2. Consideration of location of septic system (based on available information)
3. Identification of utility conflicts, topography and landscaping based on survey
4. Maintain 2% slope from house to sewer main

Lateral Location During Construction

General Procedure

- Plans available to review at time of Bidding
- Property owners can review the locations and may consult with a plumbers/engineer if they have special circumstances (basement bathroom, long retaining walls, first floor located below road elevation, etc.) and then reach out to the Town.
- Contractor will notify Town which roads are scheduled for construction
- Contractor will mark each lateral location and notify property owners at least 2 weeks prior to the start of construction
- Contractor will provide the following notice to each property owner with a stake to mark the property owners preferred location of the sewer lateral, if different than proposed design.
- Resident Project Representative from the Town's Engineer and Contractor will work with neighbors to assist in addressing questions and concerns.
- Property owner's requests for change will be documented in a "Property Owner Request" form.

Lateral Location During Construction

Gravity Sewer

IMPORTANT NOTICE

A sanitary sewer will be constructed on your street shortly. A service connection and service lateral will be installed from the main sewer to the edge of the street right-of-way or permanent easement to serve your property or house as applicable.

Please install this stake with attached card in the area where you want the new service lateral to be located. You must also note the depth at which you would like your lateral installed. Please notify (Name of Contractor) at (Contractor's email address) if the stake is relocated. Consult your engineer or plumber should you require advice on this location and depth.

IF THIS STAKE AND CARD IS NOT IN PLACE when the sewer construction starts in front of your property, the service connection and service lateral will be located as shown on the Engineer's Contract Drawings. Sewer connection from your structure to the lateral at the edge of the road right-of-way are the property owners responsibility and are required to be installed in accordance with the Town of Chatham regulations.

Please be patient with the construction, as your street and property will be restored after the installation of the sanitary sewer system.

Low Pressure Sewer

IMPORTANT NOTICE

A pressure sewer system will be constructed on your street shortly. A sewer service will be installed from the main to the edge of the street right-of-way or permanent easement to serve your property or house as applicable.

Please drive this stake with attached card in the area where you want the new service to be located. Consult your plumber should you require advice on this location.

Please be patient with the construction, as your street and property will be restored after the installation of the pressure sewer system.

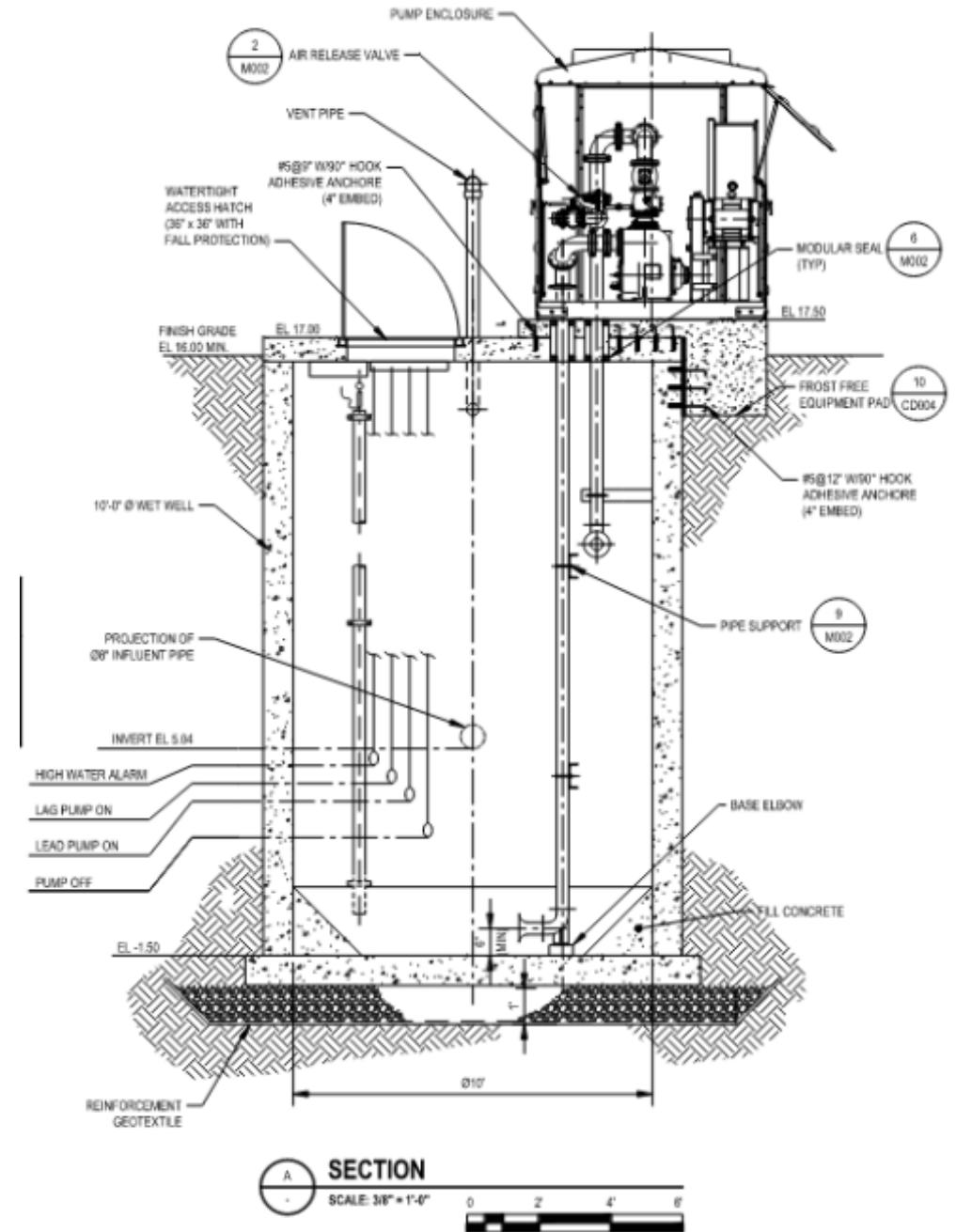
Pumping Station Location (240 Cedar Street)



- Site adjacent to 274 Cedar Street
- Suction type lift station

Pumping Station Components

- Suction Lift type pumps (duplex configuration)
 - Pumps located inside enclosure
- Level float controls and alarms
- Flowmeter
- Bypass piping
- Backup generator
- 24/7 remote monitoring and alarming to Water Pollution Control Facility (WPCF)



Pumping Station Components

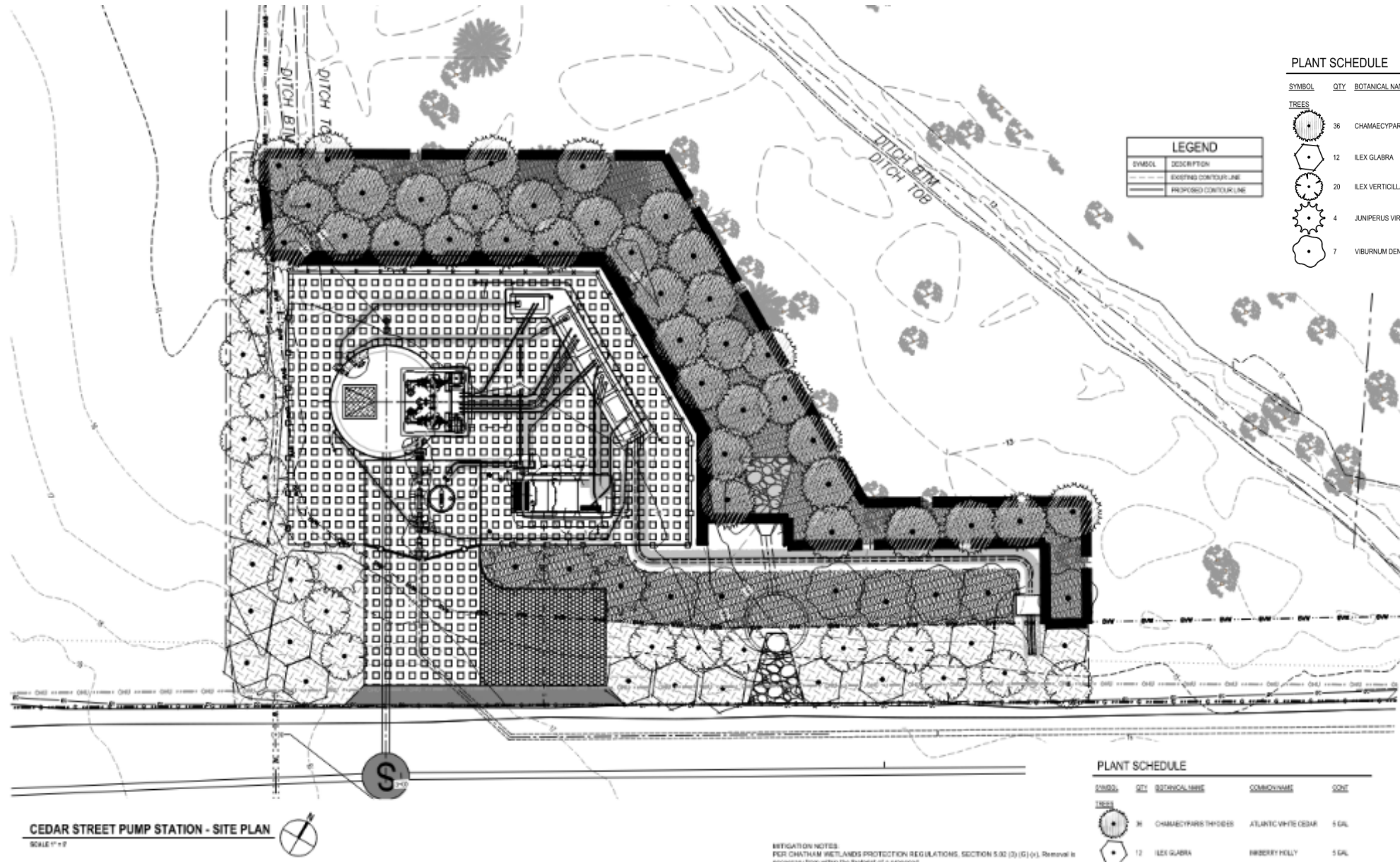
- 5'-10" high fencing combination of wood/composite privacy fencing along the road and chain link fencing on the back side
- Above grade pump enclosure



Pump Station Components



Cedar St PS – Site and Landscaping Plan



Traffic Control – Cedar Street Neighborhood



- Primary Detour while working on Cedar St will be Battlefield Rd and Stage Harbor Rd
- One lane alternating traffic (where possible) for sewer installation
- Detour Routes will be posted on Town web page.

Traffic Control – Main Street Neighborhood



- One lane alternating traffic (where possible) for sewer installation
- Dead end streets will have limited access during construction hours, Police Department and Fire Department to station equipment as needed in isolated areas.
- Notices will be provided about restrictions

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What to Expect During



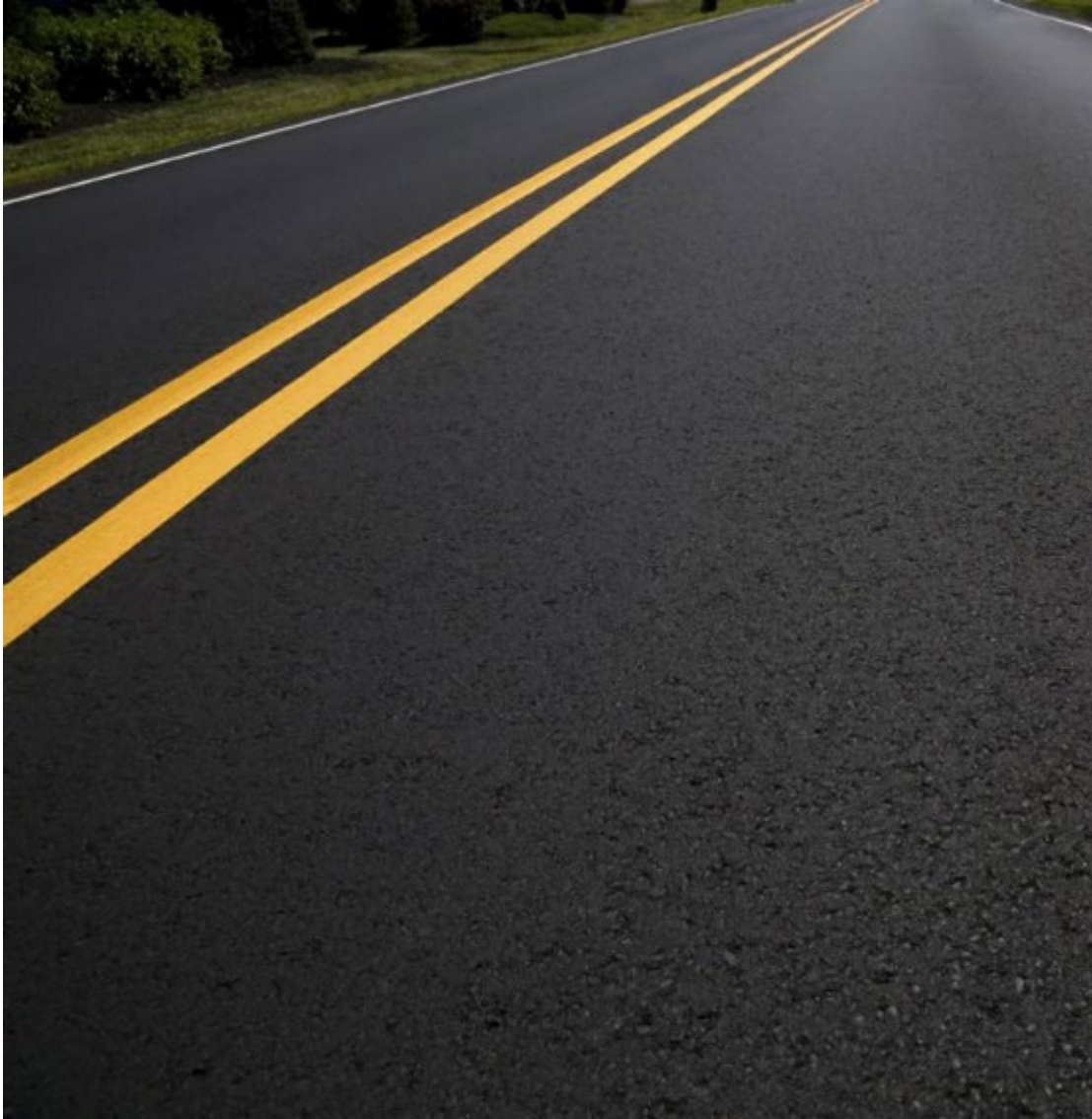
Construction may impact roads multiple times

- main line sewer installation
- lateral installation
- stormwater improvements
- temporary paving
- final paving
- force mains
- restoration

Water main work may also occur:

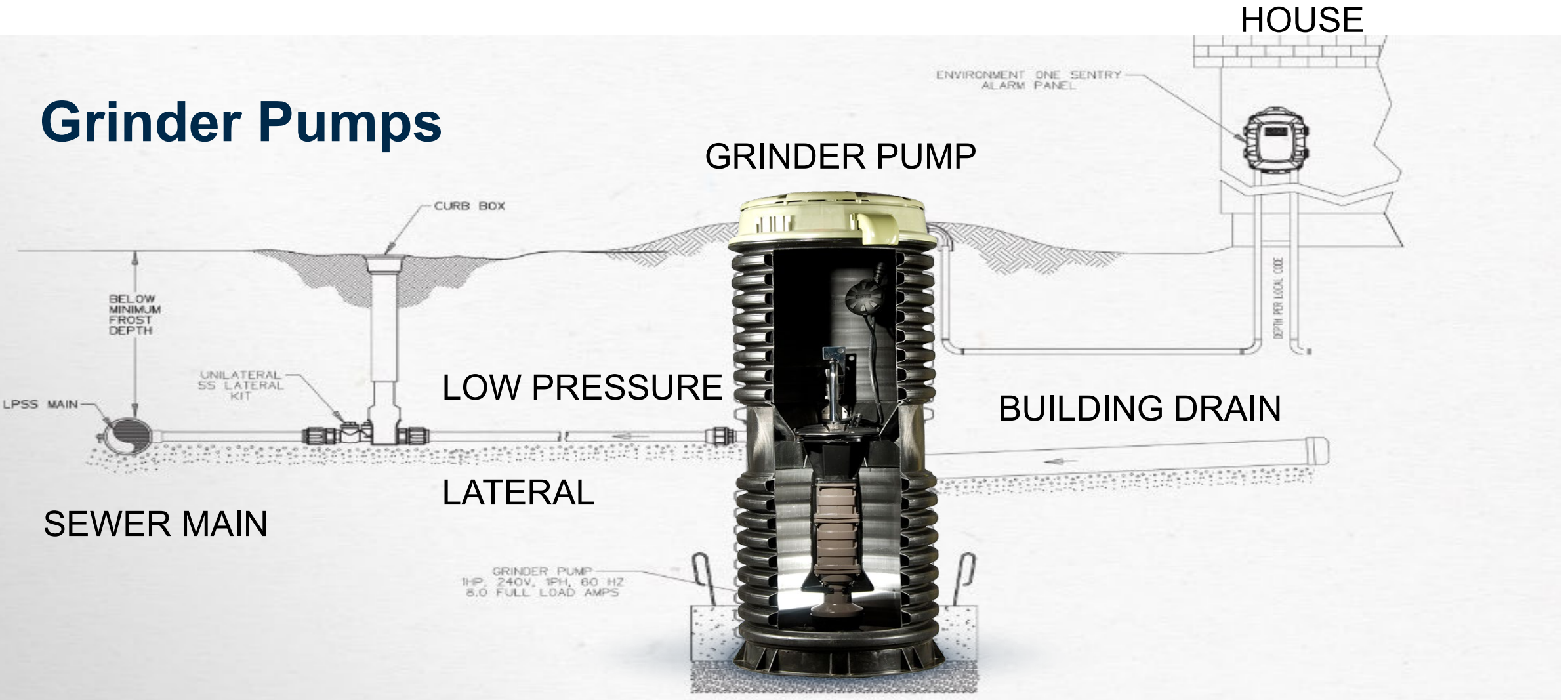
- Water main relocation due to utility conflicts in some neighborhoods

What to Expect After



- Official project closeout
- DEP approval – clear water test
- Connection notices
- List of Licensed Utility Installers (LUIs)
- Sewer billing and irrigation deduct meters
- Sewer connection
 - Sewer Service Application
 - Septic System Abandonment
- Financial
 - Tax credits available
 - Cape Cod Aqua Fund (County Loan Program)
- Grinder pumps
 - Purchased by Town and provided to Residents

Grinder Pumps



What will a Grinder Pump cost?

- Grinder pumps can cost a typical homeowner around \$9,000-10,000 (plus installation)
- Town of Chatham is providing one grinder pump at **no cost** to residential property owners who need them
- RFP is out to bids for grinder pump procurement with bid opening on Oct. 30th
- Financial assistance is available through Barnstable County Aquifund program (if approved, also eligible for up to a \$2,000 stipend from Town)
- With this financial assistance, cost of connection will be similar to that of gravity sewer.

What are the next steps when sewer is installed in front of my house?

- Contractor installing sewer in your street:
 - Contractor will mark a spot on your lawn near the property line at proposed location of your sewer stub.
 - Property owner (PO) will need to confirm this location or provide an alternate location.
 - Good opportunity for the PO to hire the engineer who will be designing the connection so the correct location is chosen and won't need to be modified once it's installed.
- As sewer work continues:
 - Stub will be installed and the road and properties will be restored.
 - When entire contract is complete, Health Department (HD) send out connection orders.
- Once a PO receives the connection order from the HD, two (2) years to connect to the sewer.

Next Steps ... Continued

- PO will need to:
 - Hire engineer to design their sewer connection.
 - Installation needs to be completed by a Licensed Utility Installer (LUI). LUI's are bonded and have been vetted by the town. A list of LUI's can be found on the Town's website. LUI's may be a good resource in selecting an engineer and have relationships with many local engineers. The Health Department also has a list of engineers they maintain.
- Once engineered plan finalized, submit Application to Connect to Sewer System (found on Town's Water & Sewer Department webpage under the Applications & Forms tab), provide two copies of stamped plans, pay the \$100 application fee. Once permit is approved the LUI can begin installation according to the engineered plan.

Next Steps ... Continued

- If grinder pump is needed, coordination with the Sewer Department will occur when application is submitted. Grinder pumps provided at no cost to owners of residential properties in Chatham.
- Once installed, Sewer Department called for an inspection. Existing septic tank pumped and removed or the bottom punctured and filled with sand or other suitable material.
- Zero to low-interest loans available for single-family, owner-occupied, year-round, primary residence through the Cape Cod Aquifund. This fund can be used for engineer costs as well as construction costs. The Town also has a stipend program to reimburse up to \$2,000 for successful applicants to the CC Aquifund program to help offset installation costs.



Schedule

- Submittal to the State for Funding Review
 - October 03, 2025 - *Complete*
- Easement and Permitting finalization
 - Winter/Spring 2025 (~March) *In Process*
- Bidding
 - Spring 2026 (~March) *Pending*
- Start of Construction
 - Fall 2026
- Construction Duration
 - 2 to 2.5 Years
- Property Connection Letters
 - Issued after construction completion – 2 years to connect.



Additional information

- Town's Website

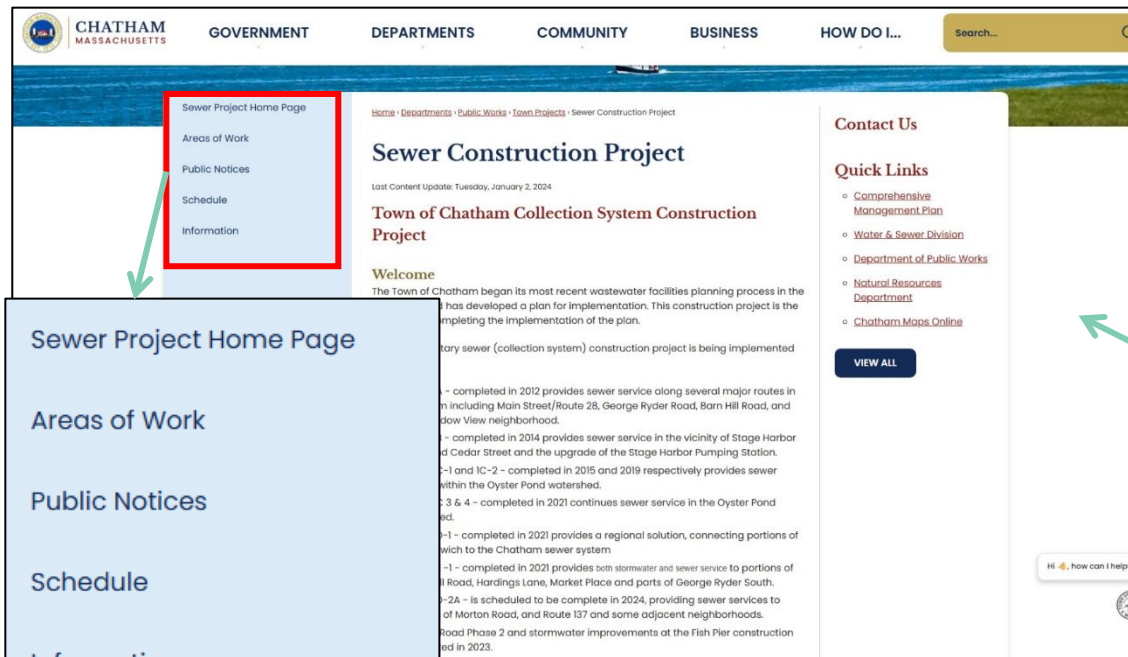
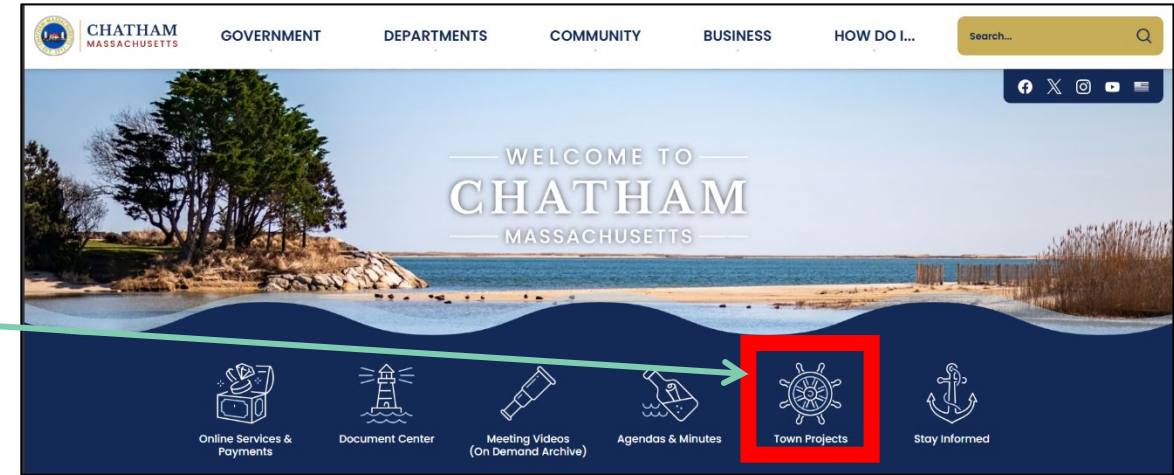
<https://www.chatham-ma.gov/>

- Town Projects

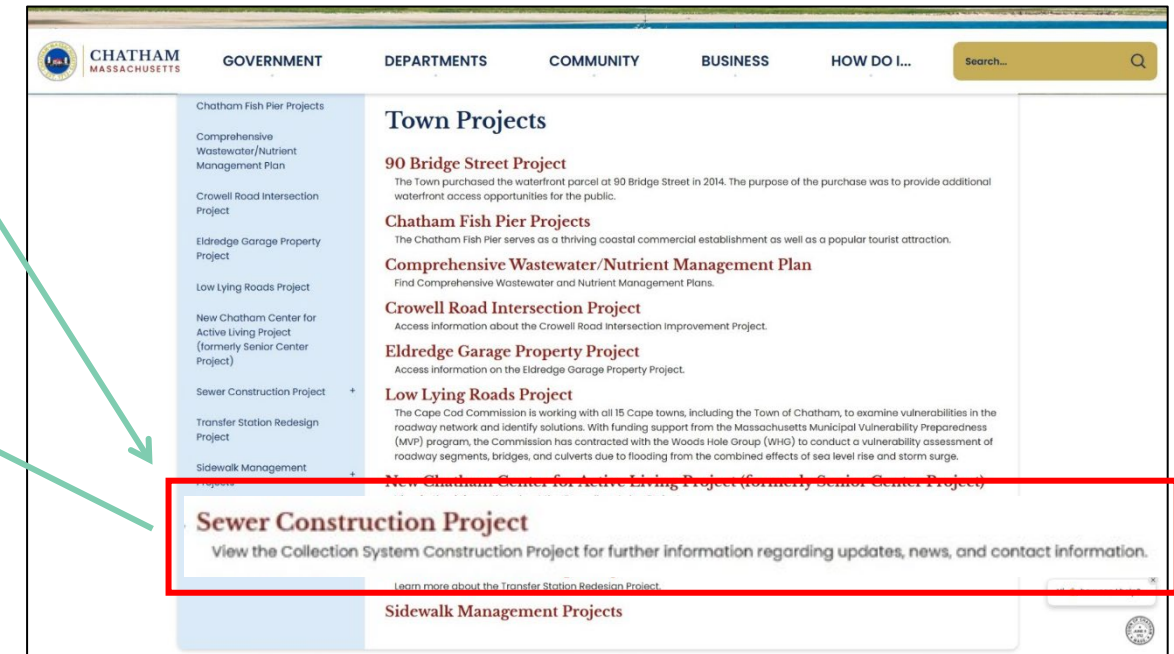
<https://www.chatham-ma.gov/267/Town-Projects>

- Sewer Construction Project

<https://www.chatham-ma.gov/467/Sewer-Construction-Project>



- Sewer Project Home Page
- Areas of Work
- Public Notices
- Schedule
- Information





*** Thank You**