

# Public Information Meeting Sagamore Avenue Area Sewer Extension

City of Portsmouth, NH

April 27, 2022



Terry Desmarais, PE, City Engineer  
Zach Cronin, Assistant City Engineer  
Kevin Garvey, PE, Wright-Pierce  
Mark Rainey, Severino Trucking



# Presentation Overview

1. General Info
2. Preconstruction for Sagamore North
3. Q/A for Preconstruction Meeting
4. Private Property Work
5. Q/A for Private Property Work



# General Info

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# Project Team

## City of Portsmouth, NH

Terry Desmarais – City Engineer

Zach Cronin – Assistant City Engineer



## Wright-Pierce

Michael Theriault – Senior Project Manager

Kevin Garvey – Project Manager

Roy Babylon – Resident Project Representative (RPR)



## Severino Trucking Company

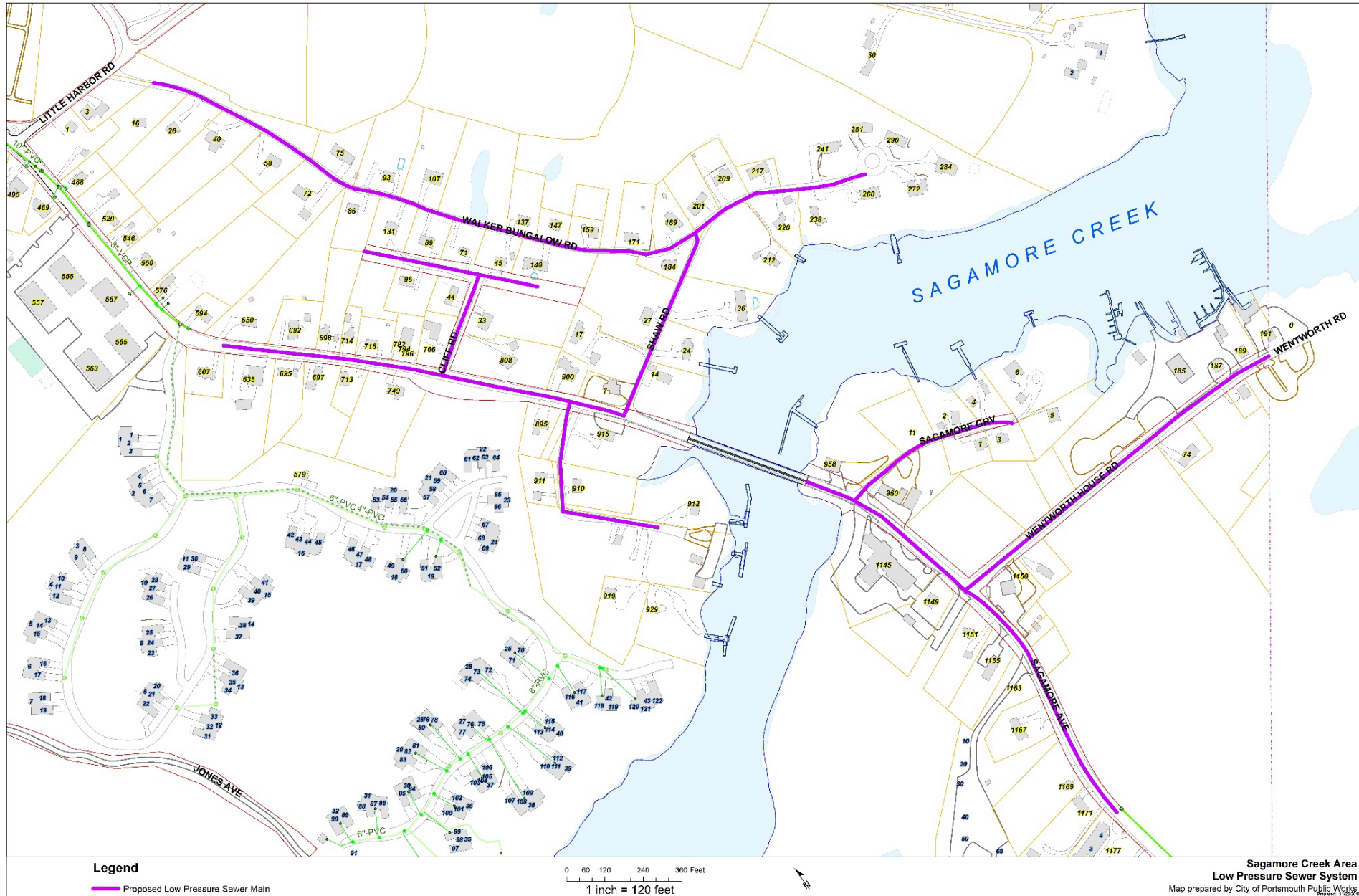
Mark Rainey – Project Manager

Roger Rivet – Superintendent





# Project Overview



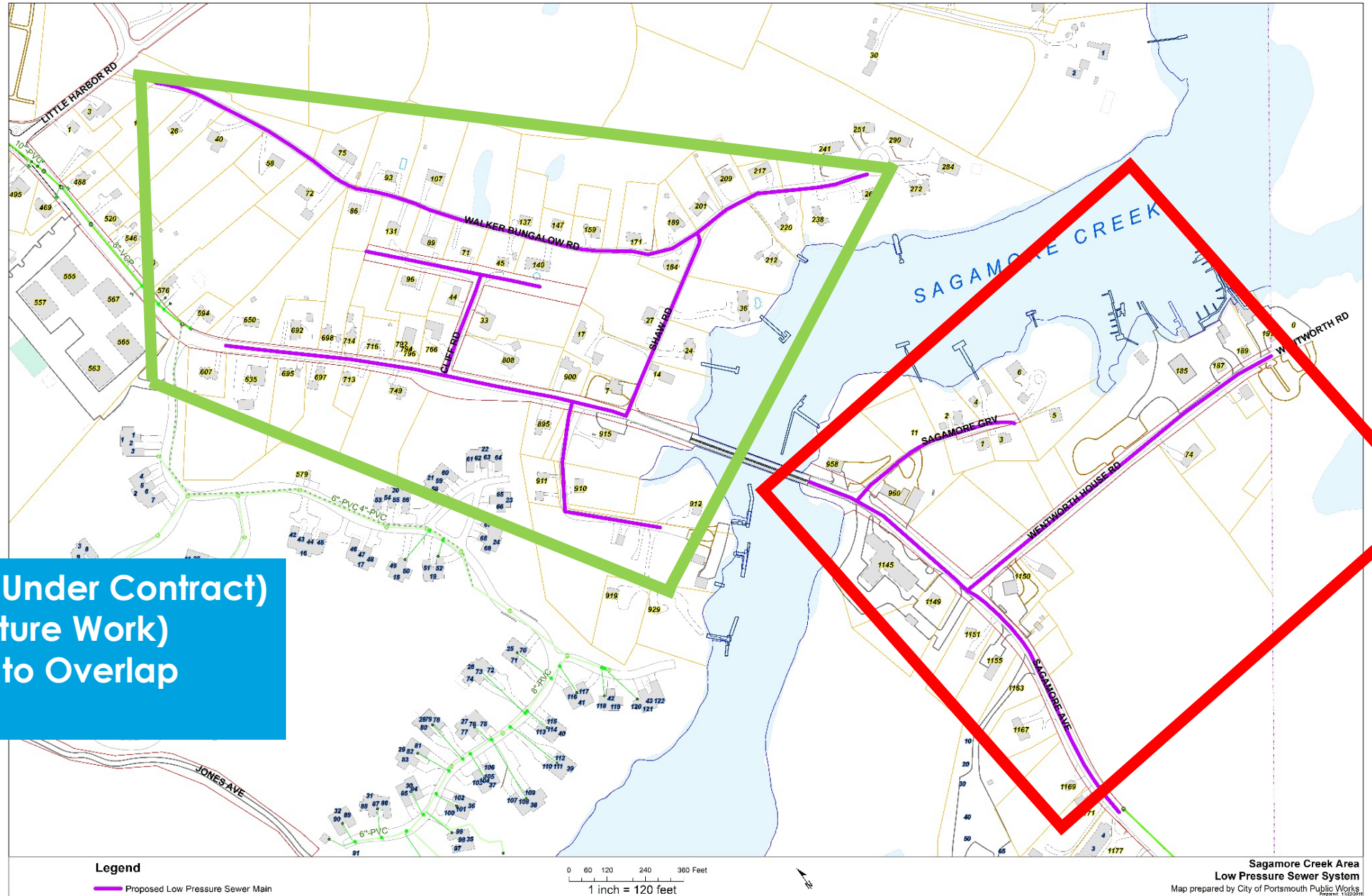
# Bid, Award, and Pricing

- **Bids Received December 21, 2021**
- **Project Bid Structure**
  - **Base Bid – Sewer Main North of Sagamore Creek – Under Contract. \$3,554,000**
  - **Alt - Sewer Main South of Sagamore Creek – Future Work\***
  - **Alt - Private Side Work North of Sagamore Creek – Future Work\***
  - **Alt - Private Side Work South of Sagamore Creek – Future Work\***
- **\*Future Work Based on Available Funding**



# Phasing

Phase 1 – Green Box (Under Contract)  
Phase 2 – Red Box (Future Work)  
Private Property Work to Overlap  
Other Work





# Current Construction Schedule

- |   |                          |
|---|--------------------------|
| <b>1. Dig Safe &amp; pre-blast survey</b>                         | <b>Immediately</b>       |
| <b>2. Contractor mobilize to site</b>                             | <b>Early May 2022</b>    |
| <b>3. Contractor set up traffic control</b>                       | <b>Early May 2022</b>    |
| <b>4. Contractor begins work</b>                                  | <b>Mid May 2022</b>      |
| ◦ Radon Testing   | <b>Mid May 2022</b>      |
| ◦ Blasting/rock excavation  | <b>Mid May 2022</b>      |
| <b>5. North of Sagamore Creek<br/>    Substantial completion:</b> | <b>December 30, 2022</b> |
| <b>6. North of Sagamore Creek<br/>    Final paving:</b>           | <b>Spring 2023</b>       |





# Preconstruction

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# Sagamore North



# Contacts

- 1. Roy Babylon, Resident Project Representative, Wright-Pierce**
  - Phone: 207-332-1527, Email: [roy.babylon@wright-pierce.com](mailto:roy.babylon@wright-pierce.com)
- 2. Roger Rivet, Superintendent, Severino Trucking**
  - Phone: 603-234-0919
- 3. Zachary Cronin, City of Portsmouth**
  - Phone: 603-610-7304, Email: [zmcronin@cityofportsmouth.com](mailto:zmcronin@cityofportsmouth.com)



# Preconstruction Meeting:

- **Work Hours**
  - Project hours 7 am – 6 pm, Mon-Fri
- **Progression of Work**
  - Blasting and excavation
  - Installation of sewer main
  - Installation of sewer services
  - Site restoration
- **Traffic Control and Access**
  - Detours
  - Signage
  - Flaggers
  - Alternating single-lane traffic
  - Road closures
- **Dust Control**
  - Street sweeping
  - Water truck to dampen roads
- **Potential Impacts**
  - Water service interruptions (72-hour notice)
  - School bus route impacts
  - Solid waste & trash removal
  - Restricted driveway access



# Preconstruction Meeting: Blasting

- **Blasting is used to remove bedrock that cannot be removed by mechanical excavation**
- **Precise locations to be determined -- Pre-Blast Survey Area covers entire Work Area**
- **City-required permitting and preparation**
- **Pre-blast internal building surveys**
  - Ongoing
  - City recommends all Phase 1 homeowners allow contractor to survey property
- **Contractor's pre-blast contact list:**
  - To subscribe: call Christopher Scott, Maine Drilling and Blasting – (603) 232-8538
- **Pre-blast notification**
  - Pre-blast call to those who join the contact list
  - Before:
    - 3 long horn signals – 5 minutes before the blast
    - 2 long horn signals – 2 minutes before the blast
  - After:
    - 1 long horn – “All clear”
- **BLASTING TIMEFRAME 8 AM – 4 PM with blasting around 11 am and 2 pm**





# What Happens if Construction Causes Damage to My Property?

- Notify onsite representative, ASAP
- Onsite representative completes Construction Complaint Form
- Onsite representative documents limits of damage
- Complaints logged and reviewed routinely by City & Contractor
- Contractor follows up with insurance, etc.

## Construction Complaint Form



CONSTRUCTION COMPLAINT FORM\*

Project: \_\_\_\_\_  
Contract: \_\_\_\_\_  
Date Filled: \_\_\_\_\_  
Time Observed: \_\_\_\_\_  
Location: \_\_\_\_\_  
Nature of Complaint: \_\_\_\_\_  
Complainant: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone No.: \_\_\_\_\_  
Signature: \_\_\_\_\_



# Ongoing Communication

- Regular project updates posted to Sagamore Avenue Project webpage:
  - <https://www.cityofportsmouth.com/publicworks/sagamore-ave-sewer-extension-project>
- Join the Sagamore Project email list on the Project webpage for:
  - Email meeting notifications and other communications
  - Two-week schedule for planned work
- Contact Zach Cronin for further information
  - [zmcronin@cityofportsmouth.com](mailto:zmcronin@cityofportsmouth.com)
- Meeting Attendance Sheet sign-ins added to contact list



# FAQ

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# FAQ – Construction in the City Right-of-Way

- **What is City's process for notifying residents?**
- **What is the Blasting Notification plan?**
- **Will blasting wait until all Pre-Blast Surveys are complete?**
- **Describe the process for Radon testing and mitigation?**
- **If construction causes damage to my property, what do I do?**
- **Are there plans to widen Sagamore Ave to accommodate bicyclists?**
- **Are there plans to rebuild sidewalks on Sagamore Ave?**
- **Why does the South project area extend to Marina & BG's Boat House?**





# FAQ – Right of Way Construction

- **How many properties North & South of Sagamore Creek were used for the design?**
- **Is the flow for future properties/future developments included in analysis?**
- **Is there a minimum & maximum number of hookups to the Collection System required as designed without the main needing to be flushed? Does the number of participants impact the design?**
- **Where does wastewater flow North & South of Sagamore Creek? Where are the pump stations?**
- **Does the City plan to address polluters along Lafayette Road/Banfield Road/City Dump?**



# Preconstruction Questions?

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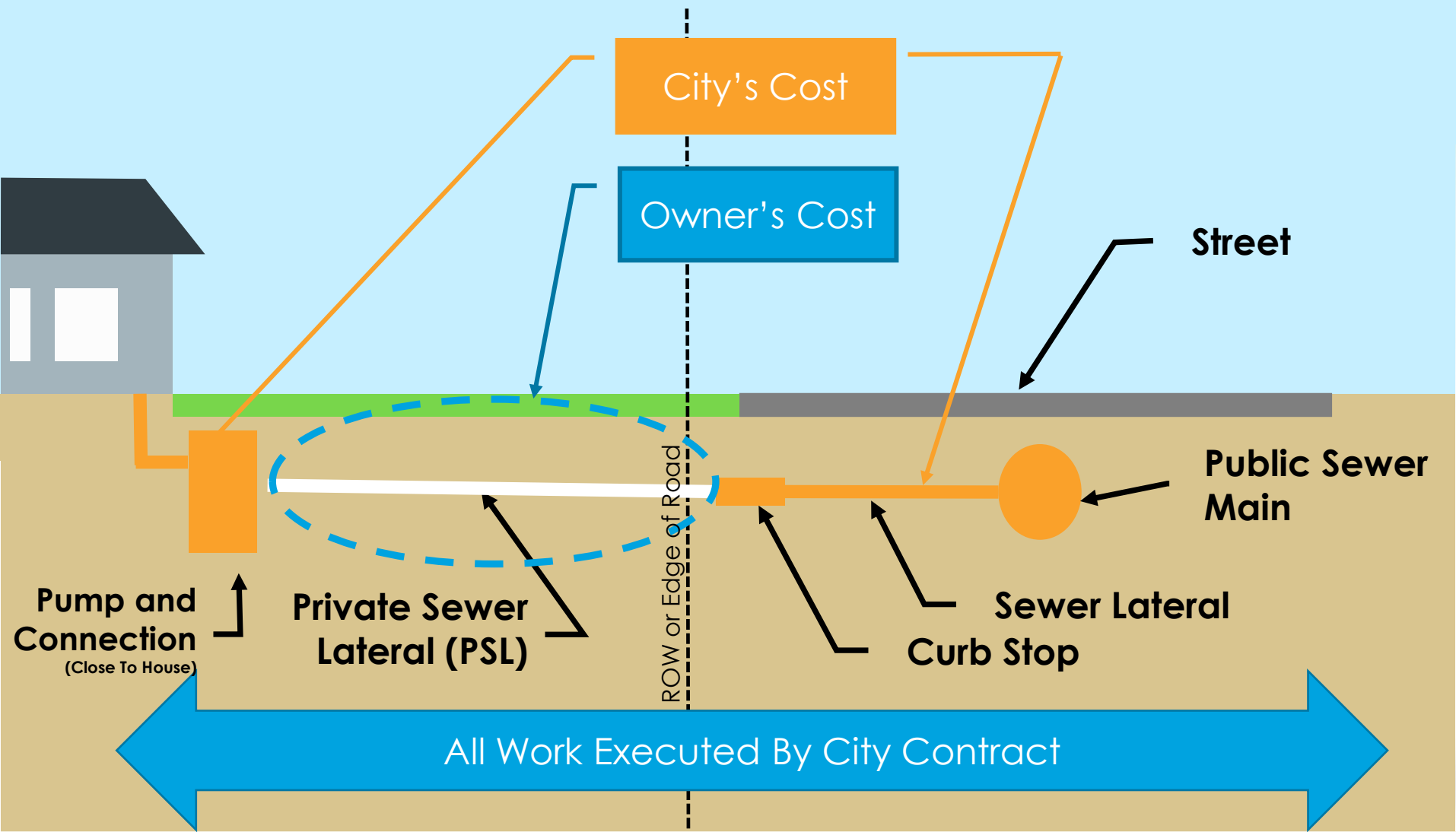
# Private Property

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## Work



# Private Property Work





# What Does a Finished Private Property Look Like?



# Private Property Work

## Private Property Prioritization

March 30, 2022 Memo to City Manager

1. Systems currently on holding tanks
2. Failed septic systems
3. Systems predating 1985 (per NHDES)
4. Owner requested

## Private Property Funding

- Funded through Capital Improvement Plan through FY28
- \$300K FY22 approved for non-ROW costs (City & Private)
- \$450K Proposed for FY23 Funding
- Need updated resident interest count prior to July 2022

## Potential Connection Scenarios

1. Scheduled site visits & completed designs
2. Want-to-connect -- site visits scheduled
3. Those who may want to connect at future date



# Private Property Work

## Average Cost per House

- December 2021 Bid Price: \$2,734,000
- Add 5% contingency: \$136,700
- Total private property cost: \$2,870,700
- Properties w/ Design = 65
- Average cost per property: \$44,200
- Cost-sharing Proposal
  - City = \$28,000\*
  - Property Owner = \$16,200

\*Engineering Phase services not included in this price

## What is Included?

Zero-interest Loan with 10-year repayment option

Cost is based on recent bid prices subject to actual site conditions and final project layout

Costs vary by property based on complexity of work

Costs include installation of service lateral pipe and anticipated restoration

City to provide cost estimate to each homeowner who requested inspection during design



# Process to Connect: Wish to Connect & Scheduled a Site Visit

- **Memorandum of Agreement**
  - Includes estimated costs & repayment schedule
  - Lien Document or loan (not required if paid in full upfront)
  - Wetlands Buffer Document, as needed
- **Costs are based on bid documents**
  - Unknowns include: ledge, owner-requested realignments, additional landscaping, etc.
- **City will host Preconstruction Meeting for Private Property connection work before it moves forward**
- **Contact Zach Cronin for further information**
  - [zmcronin@cityofportsmouth.com](mailto:zmcronin@cityofportsmouth.com)



# Process to Connect

- **Properties who now want a site visit and hookup cost estimate**
  - Contact Zach Cronin to schedule a site visit
- **Properties who want to connect at a later date**
  - Need confirmation of all who intend to connect by December 2026
  - Later work will be executed under a different contract and different costs
- **Contact Zach Cronin for further information**
  - [zmcronin@cityofportsmouth.com](mailto:zmcronin@cityofportsmouth.com)



# FAQ

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# FAQ – Private Property System Issues

- **How will a resident know if their system is clogged?**
- **What are impacts to private property if system does clog?**
- **Any backflow prevention?**
- **Could the tank backup into the yard?**



# FAQ – Private Property Construction

- **Has private property work been publicly bid yet?**
- **When will private property connections begin?**
- **Why are properties with holding tanks Priority #1 for connection vs. failed septic systems?**
- **Do homeowners need to connect?**
- **Do undeveloped parcels require service?**
- **What costs will the homeowner cover?**
- **If homeowner chooses not to connect now, will costs/cost-sharing change?**
- **If a multi-unit property connects, who is responsible for service cost?**





# FAQ – Private Property Construction

- **Will there be future site visit surveys for private connections?**
- **What is the process for requesting an inspect for connecting?**
- **Who is writing the Memorandum of Agreement?**
- **Will the current cost-sharing proposal be available in perpetuity?**
- **Under current budget allocations not everyone can be connected immediately. Please discuss phasing.**



# Private Property Work Questions?

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# THANK YOU



## EF-22-SD-90: Sewer Service Funding For Sagamore Avenue Area Sewer Extension

Department	Public Works – Sewer Division
Project Location	Portions of Sagamore Ave and Wentworth House Rd; Cliff Rd, Walker Bungalow Rd and Sagamore Grove
Project Type	Construction or Expansion of A Public Facility, Street or Utility
Commence FY	2022
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible (<\$5,001)



**Description:** The City has approached this project in order to obtain pricing for the private side work for converting existing septic systems to

a pumped sewer connection. Bids were received in August 2021 and pricing was found to be higher than anticipated. The project will be re-bid and updated prices obtained. City staff will present updated cost information to the City Council in order to conclude an approach to the cost sharing proposal. This item sets aside funds in anticipation of City Council action.

Evaluation Criteria	Qualify?
Responds to Federal or State Requirement	
Addresses Public Health or Safety Need	Y
Alleviates Substandard Conditions or Deficiencies	
Eligible for Matching Funds with Limited Availability	
Timing or Location Coordinate with Synergistic Project	
Identified in Planning Document or Study	Y
Improves Quality of or Provides Added Capacity to Existing Services	Y
Reduces Long-Term Operating Costs	
Provides Incentive to Economic Development	Y
Responds to a Citywide Goal or Submitted Resident Request	

**Studies Identified & Useful Website Links:**

- Consent Decree Second Modification.
- [Sagamore Ave Sewer Extension Project Page](#)
- [FY22-FY27 CIP \(Prior Year\) Project Sheet](#)

**Notes of Changes in Funding Plan from FY22-27 CIP:**

After receiving bids for the project in August 2021, it was determined that the prices to install private side work were higher than originally estimated. Increased values accordingly.

		FY23	FY24	FY25	FY26	FY27	FY28	Totals 23-28	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$350,000	\$2,600,000	\$300,000	\$2,900,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$350,000	\$2,600,000	\$300,000	\$2,900,000

