

Ridgefield Water Pollution Control Authority Wastewater Facilities Upgrade Project

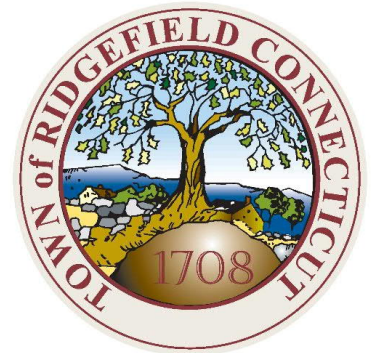
PUBLIC INFORMATION MEETING

October 17, 2018



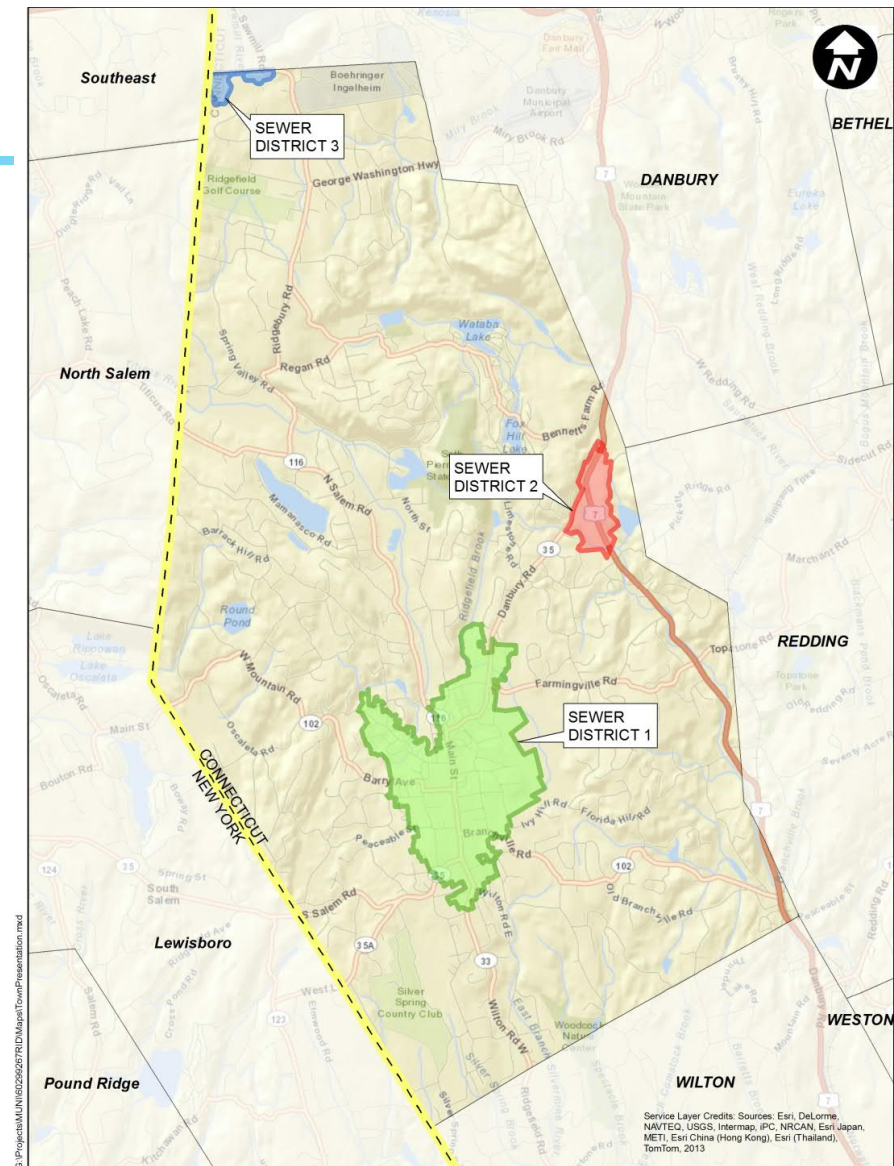
Agenda

- Introduction
- Project Background
- Project Drivers
- Description of Project
- Project Costs and Funding
- Project Schedule
- Frequently Asked Questions
- Questions



Project Background

- 3 Sewer Districts
- Project Addresses Districts 1 and 2



Project Background

Existing Facilities



South Street WWTF



Route 7 WWTF

- Sewer District 1 – South Street WWTF
 - 1.0 MGD Average Daily Flow (ADF) Capacity
 - 0.85 MGD current ADF
- Sewer District 2 –Route 7 WWTF
 - 0.12 MGD Average Daily Flow Capacity
 - 0.054 MGD current ADF
- WWTFs Owned by the Town / Operated by Suez

Project Drivers

- **Upgrade Wastewater Facilities to:**
 - Address New State Imposed Effluent Limits on Nitrogen and Phosphorus
 - Meet 20 Year Projected Flows and Loadings
 - Address Aged and Worn Equipment
 - Improve Energy Efficiency
- Facilities Plan Completed to Select a Cost-Effective Plan for the upgrade of the Wastewater Facilities



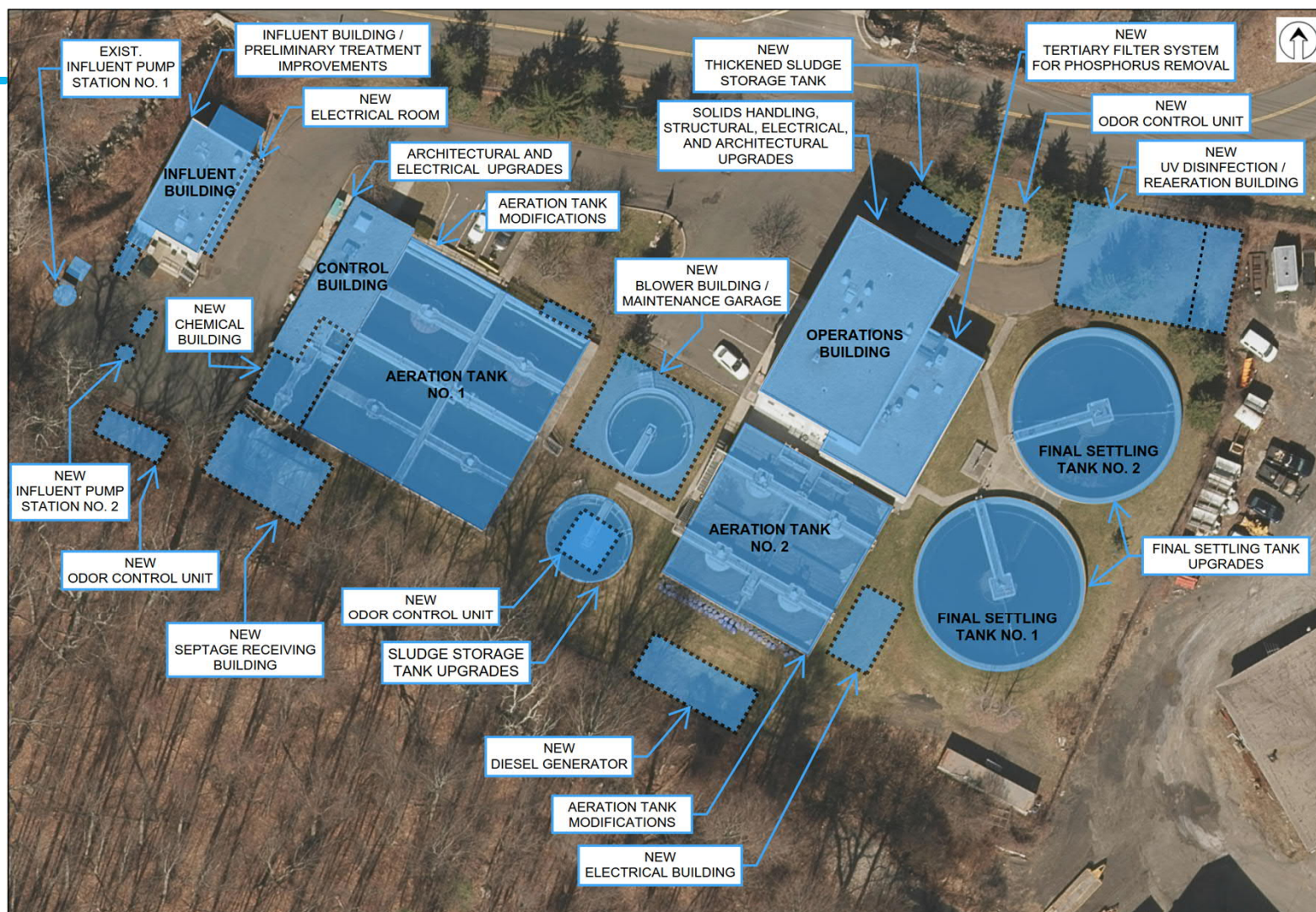
Description of the Project

Three Major Components:

- 1. Upgrade South Street WWTF to 1.12 MGD Capacity
- 2. Construct New Route 7 Pump Station and Force Main to Convey Flows from Sewer District 2 to the South Street WWTF
- 3. Decommission and Demolish Route 7 WWTF



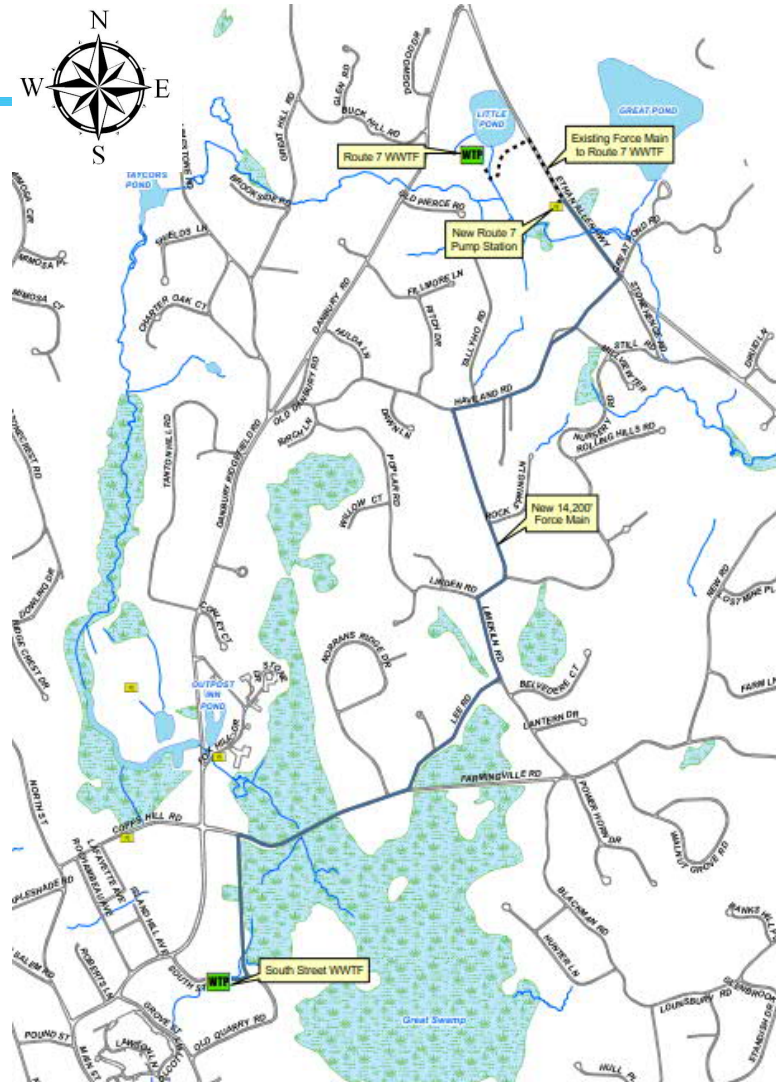
Site Plan South Street WWTF



Route 7 Force Main to South Street WWTF

Force Main Route:

- Route 7 to Haviland Road
- Haviland Road to Limekiln Road
- Limekiln Road to Lee Road
- Lee Road to Farmingville Road
- Farmingville Road to Ligi's Way
- Ligi's Way to South Street



Description of the Project

Benefits from the Wastewater Facilities Upgrade Project:

- Increased Reliability of Treatment System Performance
- Improved Water Quality in the Great Swamp, Ridgefield Brook, and the Norwalk River
- Demonstrates Town's Commitment to Environment and Quality of Life
- Eliminates Enforcement Action by Regulatory Agencies
- Provides State of the Art Energy Efficient Systems
- Maximizes Grant Funding for Implementation



Project Costs and Funding

- Project Costs: \$48,000,000
- Projected DEEP Clean Water Fund Funding Assistance:
 - 20% Grant on Eligible Project Cost: \$7,500,000
 - 30% Grant on Nitrogen Removal Cost: \$800,000
 - 50% Grant on Phosphorus Removal Cost (Execute Construction Contract by July 1, 2019): \$3,200,000
- Total Projected Grant: \$11,500,000
- \$36,500,000 20 year loan at 2% interest



Project Costs and Funding

- Funding Sources:

Funding Source	Project Cost
Project Cost	\$48,000,000
Projected Grants	<u>- \$11,500,000</u>
Net Project Cost	\$36,500,000
Town General Fund	<u>-\$ 8,000,000</u>
Sewer Rate and Septage Fee	\$28,500,000

- Current Sewer Rate of \$470 per Unit will Increase One Time in FY 2019 by approximately \$280 and Increase by Approximately \$20 per Unit Annually for a Projected 10 Years, Approximately Doubling the Current Annual Sewer Rate per Unit

Project Schedule

Milestone	Scheduled Date(s)
Submit Construction Documents to DEEP	December 2018
Permitting and Approvals	September 2018-February 2019
Bid Period	March 2019-May 2019
Award Construction Contract	June 2019
Construction Period	July 2019 – December 2021

Frequently Asked Questions

Will the upgraded WWTF be able to accommodate future growth?

Yes. The upgraded WWTF will be able to accommodate approximately 215,000 gallons per day of new flows within the sewer districts. This represents over a 20 percent increase over current flows.

Is the Town required to undertake this upgrade?

Yes. The DEEP permit authorizing the WWTF discharge requires the WWTF be upgraded to meet the new phosphorus limits.

Frequently Asked Questions

What is the breakdown of the projected total cost of the project including interest costs ?

Item	Estimated Cost
Total Project Cost	\$48,000,000
Projected Grants	<u>- \$11,500,000</u>
Town of Ridgefield Share	\$36,500,000

Frequently Asked Questions

What is the breakdown of the projected total cost of the project including interest costs ?

Item	Town Share	Sewered Users Share	Total Bonding
<u>Life of Loan</u>			
Total Principal	\$ 8,000,000	\$28,500,000	\$36,500,000
Total Interest	<u>\$ 1,713,000</u>	<u>\$ 7,888,000</u>	<u>\$ 9,601,000</u>
Total Debt Service	\$ 9,713,000	\$36,388,000	\$46,101,000

Frequently Asked Questions

What is the projected additional tax amount on a residential property for the \$8 million debt?

The projected additional tax on a residential property that pays \$13,000 in taxes from the \$8 million debt payment is approximately \$48 per year.

Is the Town eligible to receive grants from the DEEP for this project?

Yes, the Town's project is on DEEP's fundable list for the Clean Water Fund for 2019.

Frequently Asked Questions

Why will the existing Route 7 WWTF be abandoned in favor of the Route 7 pump station which will pump the flow through a 3 mile long force main to the South Street WWTF?

As part of the planning process for the wastewater system upgrade, a cost effective analysis was prepared that compared the cost of upgrading the Route 7 WWTF with the cost of conveying the Route 7 flows to the South Street WWTF. The analysis indicated that conveying the Route 7 flows to the South Street WWTF would save the Town over \$3 million.

Frequently Asked Questions

Does the \$48 million project cost include the demolition and restoration of the existing Route 7 WWTF site?

Yes. Over \$500,000 is included in the project estimate for this work.

Will the upgrade of the South Street WWTF preclude the possibility of future upgrades?

No.

Questions?

