

# Ridgefield Water Pollution Control Authority Wastewater Facilities Upgrade Project

## PUBLIC INFORMATION MEETING

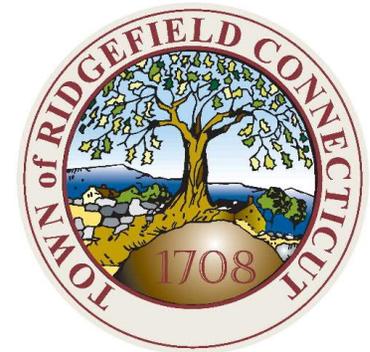
October 17, 2018



# Agenda

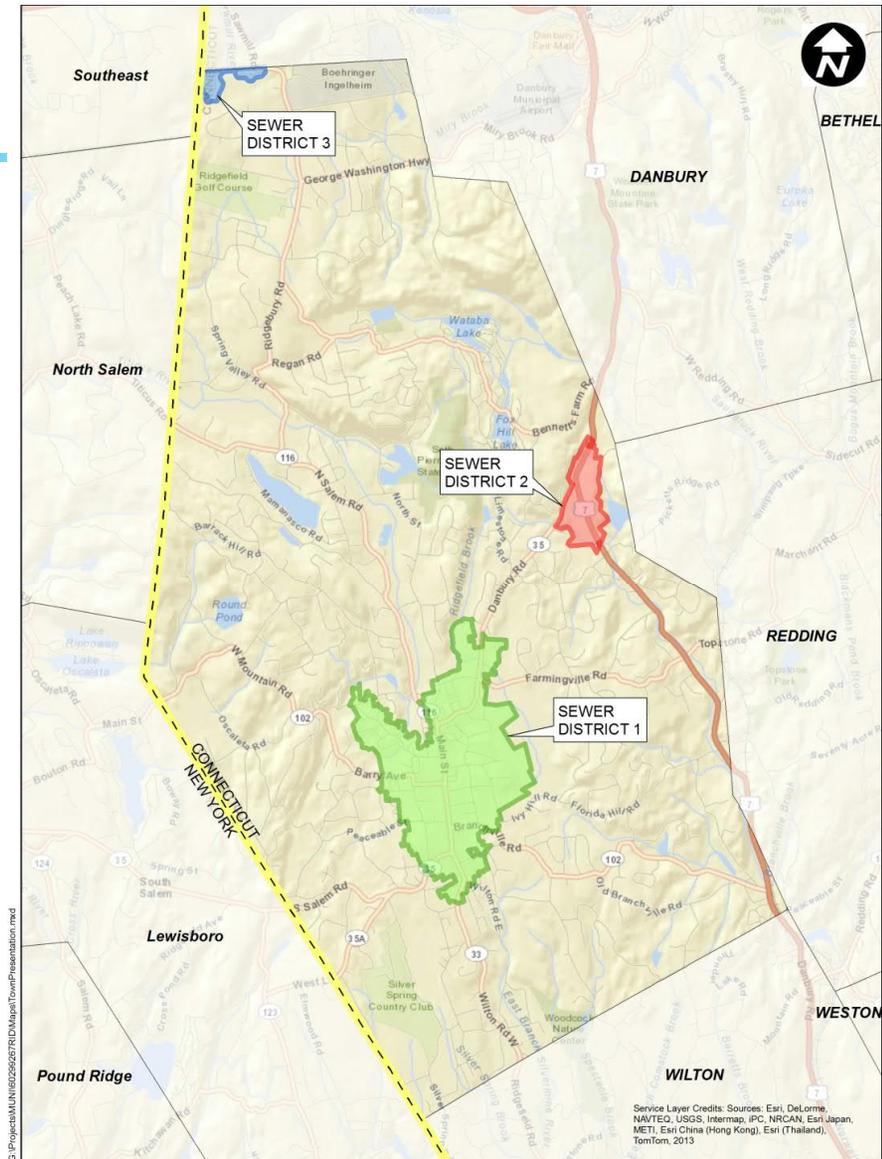
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- Introduction
- Project Background
- Project Drivers
- Description of Project
- Project Costs and Funding
- Project Schedule
- Frequently Asked Questions
- Questions



# 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



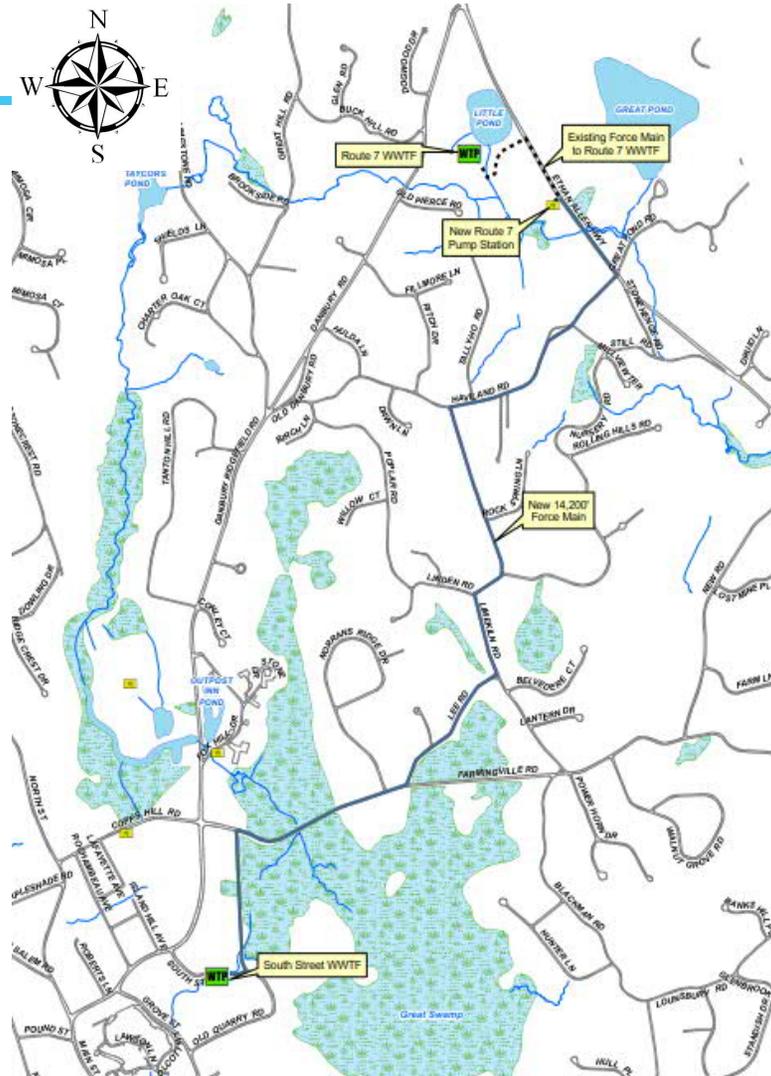
# Site Plan South Street WWTF



## 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

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**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	<b>\$36,500,000</b>

## 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	<b>\$36,500,000</b>
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

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**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

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**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

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**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?**

