

**Ridgefield Water Pollution Control Authority  
Wastewater Facilities Upgrade Project**

**Route 7 Pump Station, Force Main, and WWTF  
Decommissioning Project**

**PUBLIC INFORMATION MEETING**

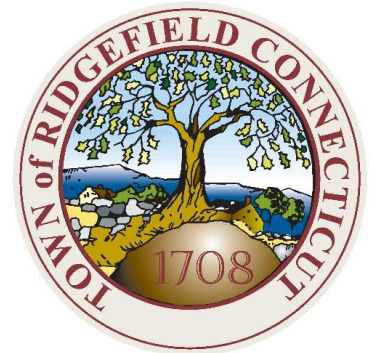
**April 5, 2022**



# Agenda

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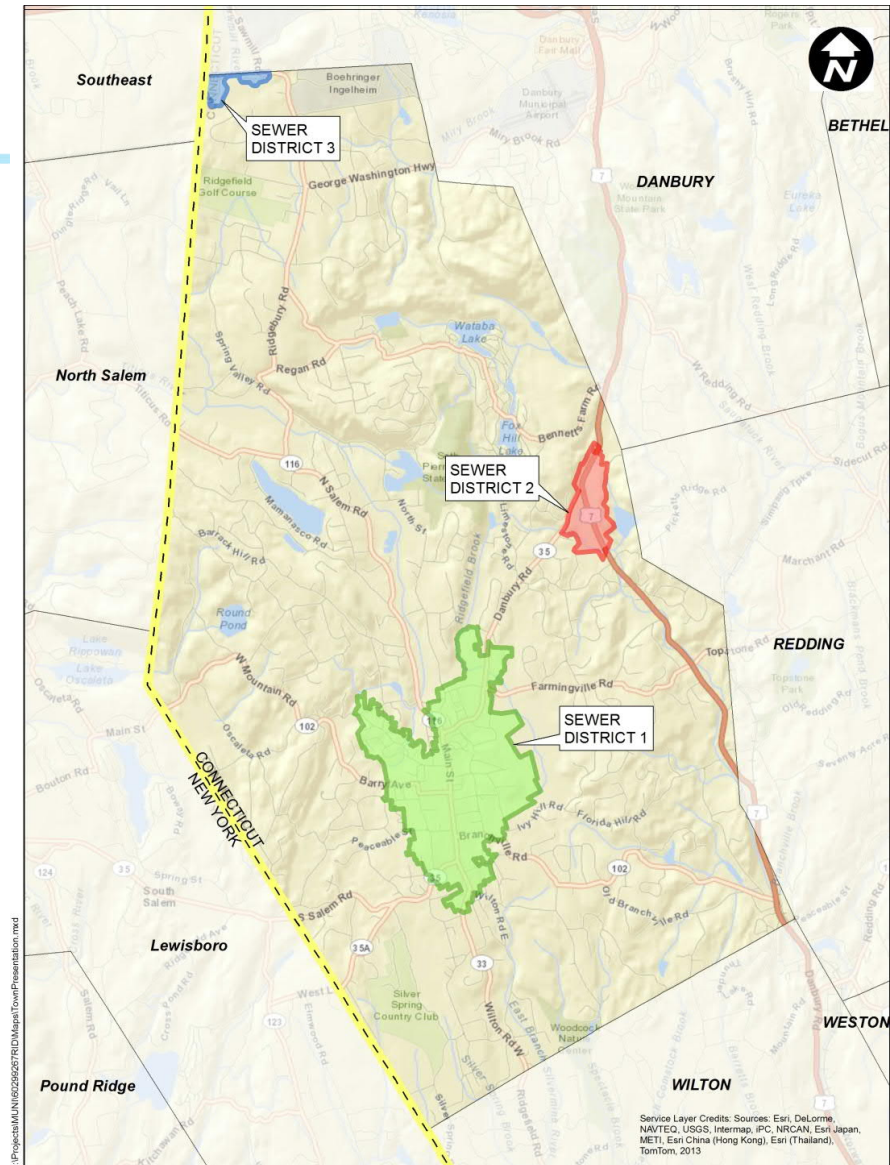
- **Introduction**
- **Project Background/Drivers**
- **Description of Project**
- **Preliminary Schedule**
- **Traffic Management**
- **Project Information Updates**
- **Questions**





# 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 Veolia

# Project Drivers

## Upgrade Wastewater Facilities to:

- Address new State imposed effluent limits on Nitrogen and Phosphorus
- Meet 20 year projected flows and loadings
- Address aging and worn equipment
- Improve energy efficiency
- Facilities Plan Completed to Select a Cost-Effective Plan for the upgrade of the Wastewater Facilities
- DEEP 50% Phosphorus Grant Program
  - Execute Construction Contract by July 1, 2019





# Description of the Project

## Two Construction Contracts:

- ***Contract 1. Upgrade South Street WWTF Upgrade***
  - *Upgrade to 1.12 MGD Capacity and Higher Level of Treatment*
- ***Contract 2. Route 7 PS, FM and WWTF Demo***
  - *Construct New Route 7 Pump Station and 14,200 ft Force Main to Convey Flows from Sewer District 2 to the South Street WWTF*
  - *Decommission and Demolish Route 7 WWTF*

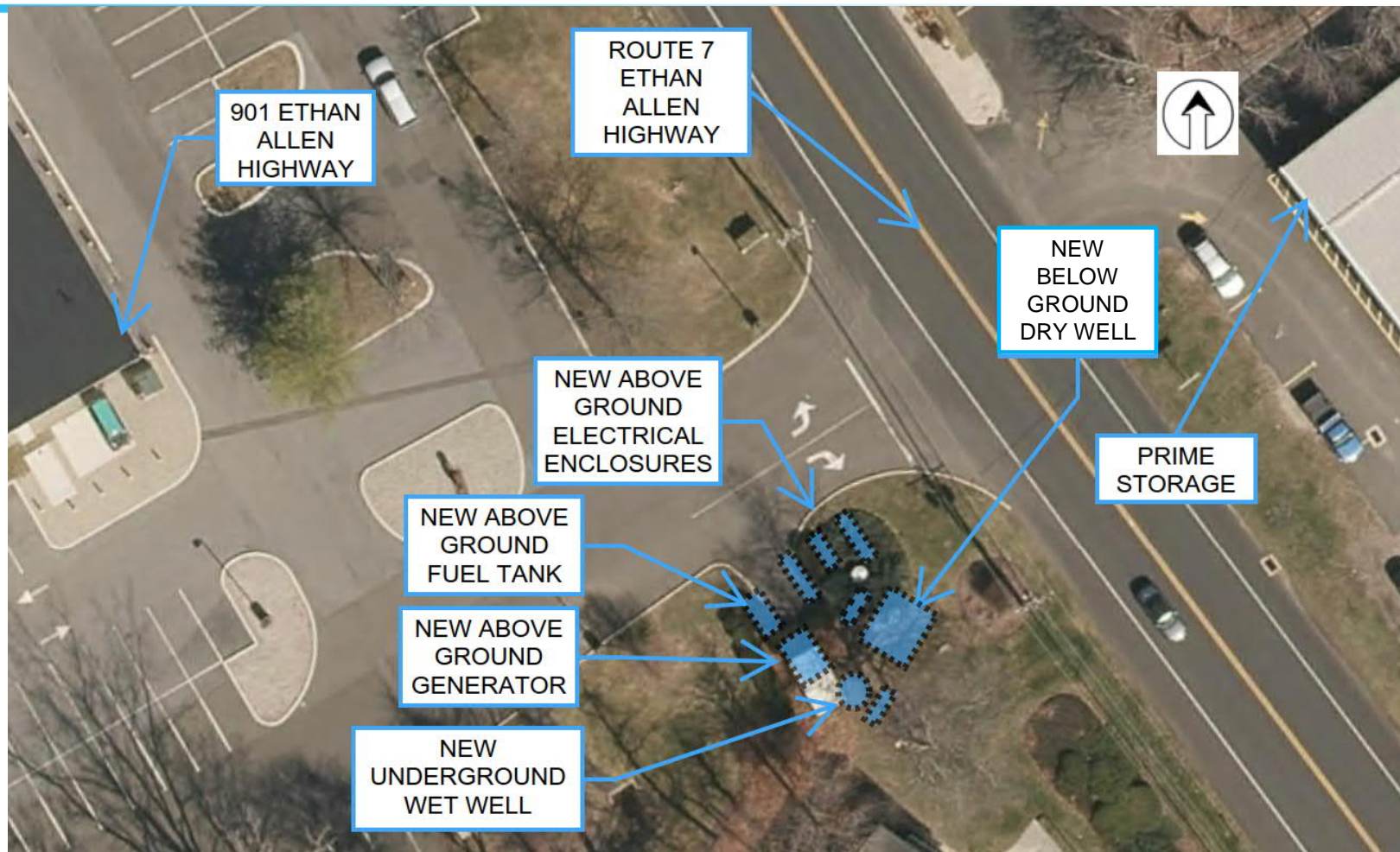


## South Street WWTF Upgrade – March 2022



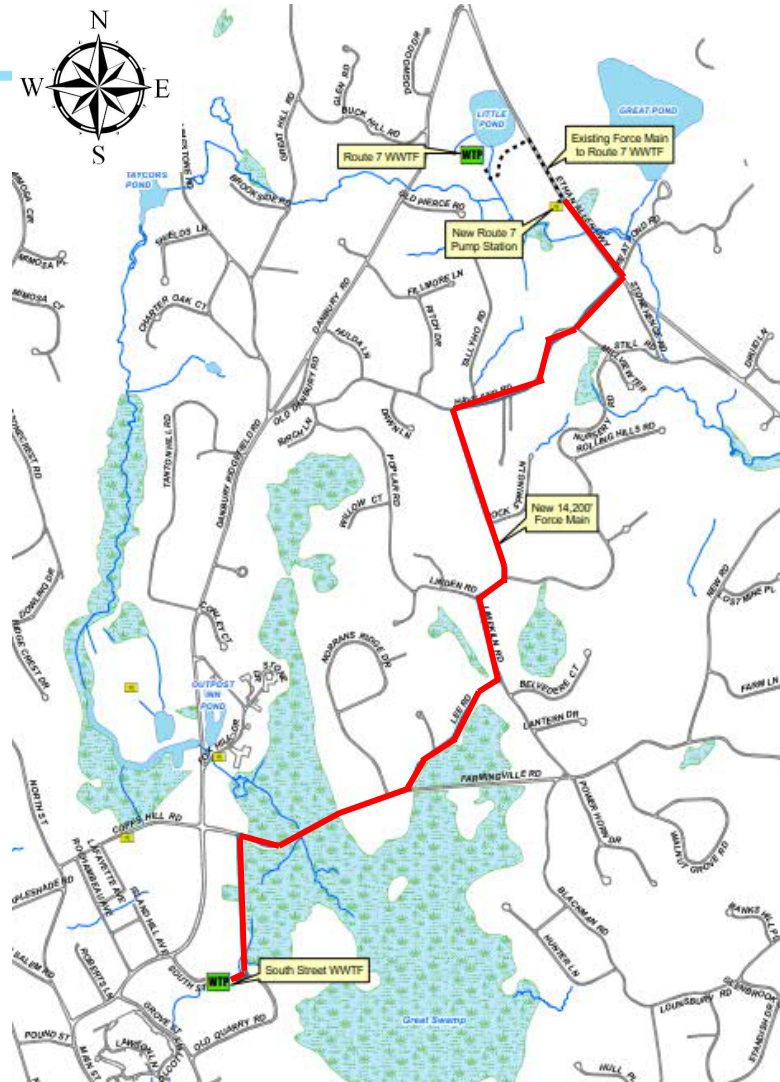


# Site Plan Route 7 Pump Station

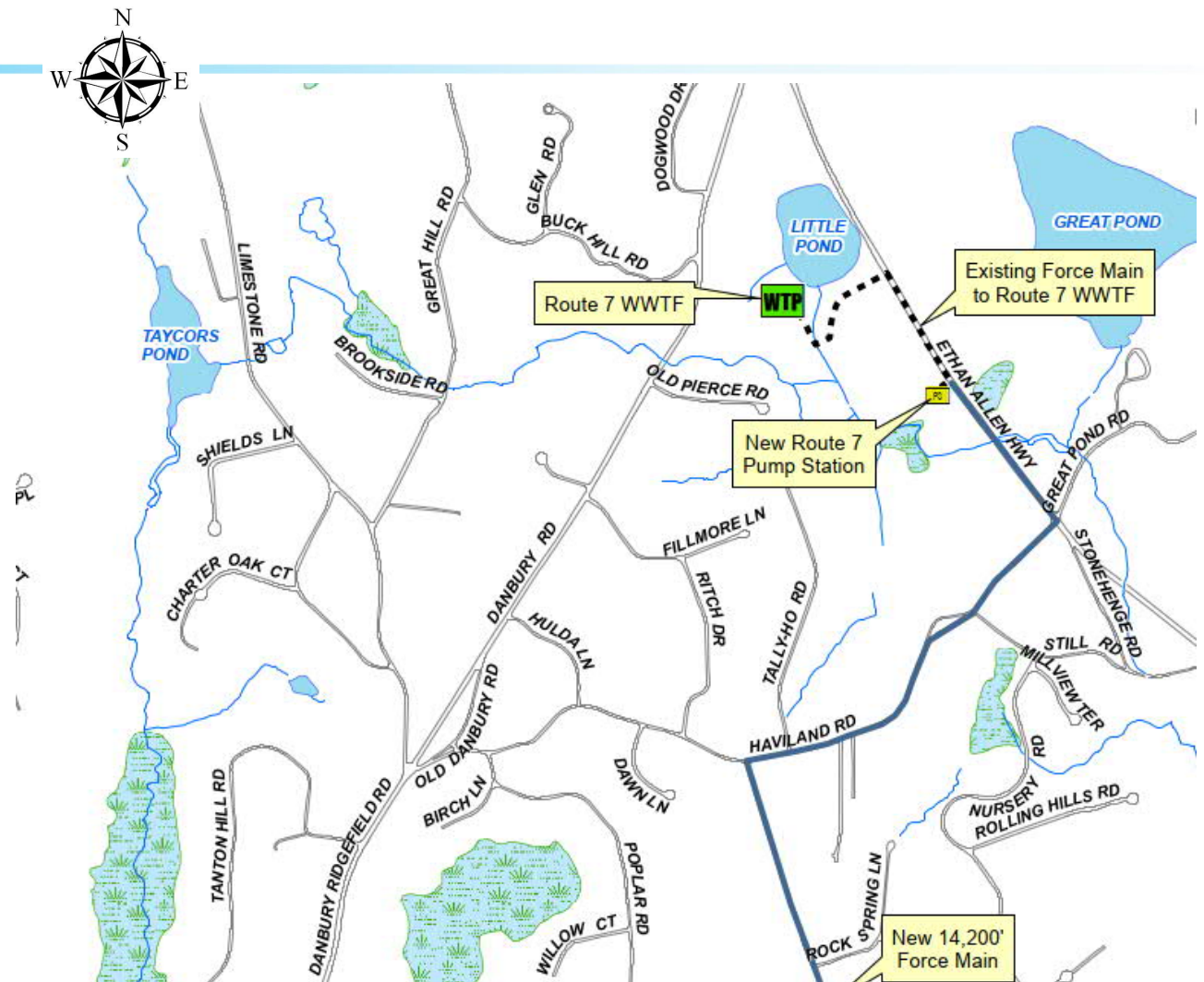
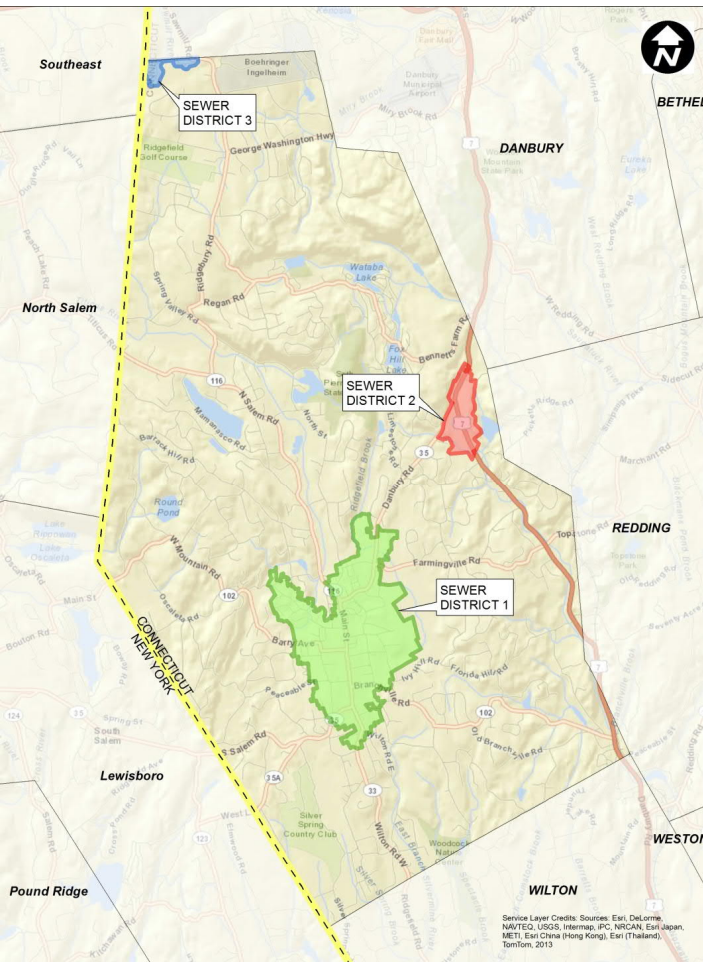




# Route 7 Force Main to South Street WWTF

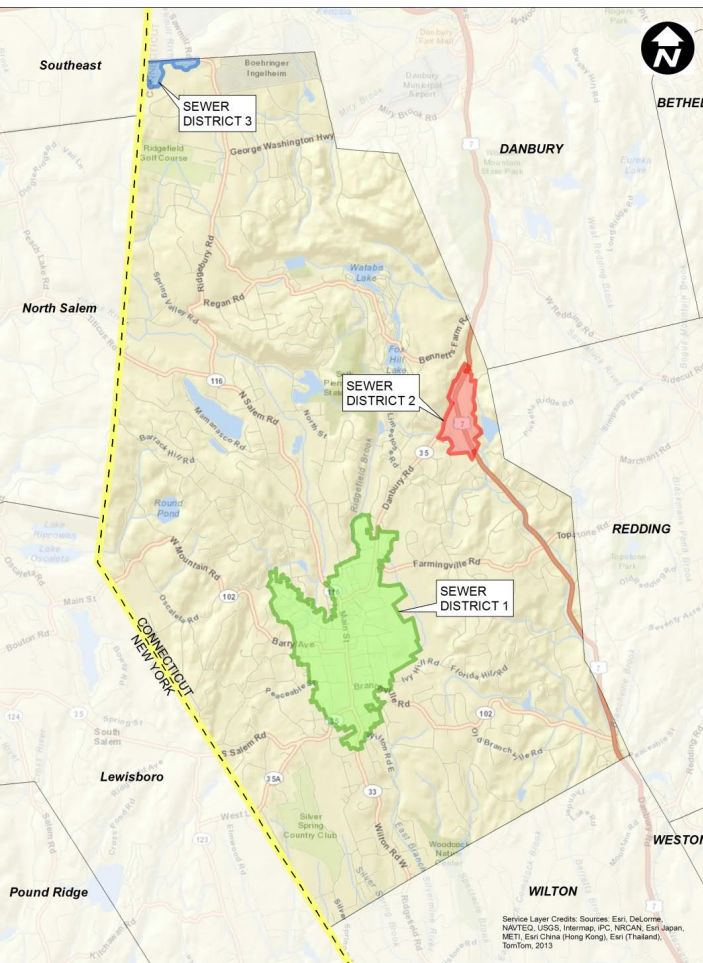


# Route 7 Force Main to South Street WWTF



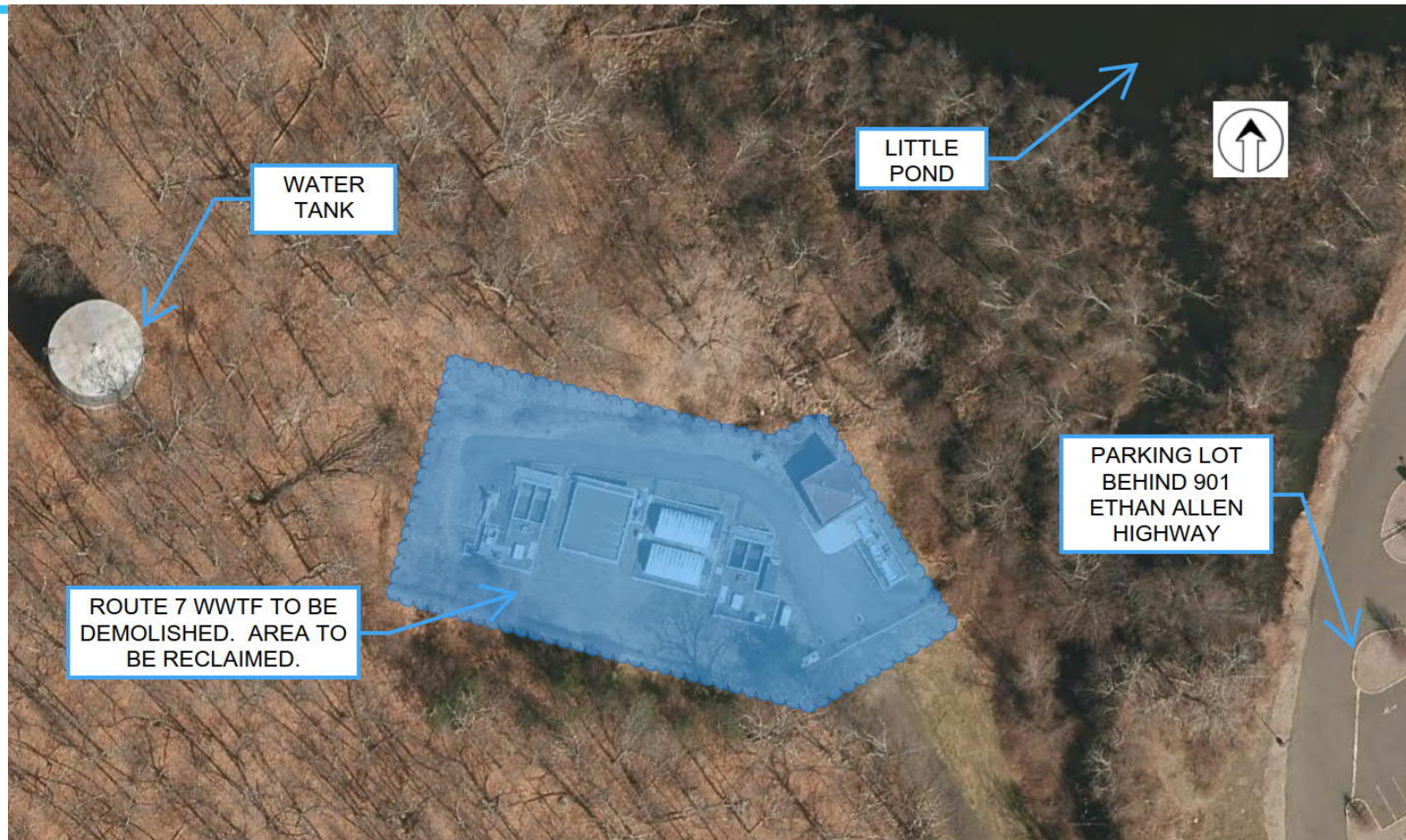


# Route 7 Force Main to South Street WWTF





# Site Plan Route 7 WWTF





## Responsible Parties

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- **Owner – Town of Ridgefield (through WPCA)**
- **Contractor – M&O Construction Co., Inc**
- **Engineering – AECOM Technical Services**
- **Connecticut DOT – Route 7**



# Force Main / Roadway Elements Sequence

- **Erosion Control Installation/Preconstruction Photographs**
- **Test Pits/Rock Probing (as needed)**
- **Preconstruction Survey of Structures in Areas Where Rock Excavation Anticipated**
- **Force Main Excavation/Installation**
  - **Trenchless Installation Crossing Ridgefield Brook on Ligi's Way and the Norwalk River on Route 7**





## Force Main / Roadway Elements Sequence (Cont.)

- **Trench Backfill / Temporary Pavement**
- **Final Restoration / Paving – No Sooner than 6 Months After Force Main Completed**
  - **Route 7 – Half Roadway Width by M&O Construction**
  - **Town Streets – Full Roadway Width by Town**



# Preliminary Schedule

- **Force Main**
  - May 2022 to December 2022
  - Start at Ligi's Way and Work North
- **Pump Station Replacement**
  - January 2023 to July 2023
- **Route 7 WWTF Decommissioning**
  - August 2023 to November 2023



# Traffic Considerations During Construction

- **Traffic Management Plans Developed in Conjunction with:**
  - Police Department
  - Highway Department
  - WPCA
  - Town Engineer
  - School Transportation Department
  - Purchasing Department and First Selectman's Office
  - CT DOT
- **Majority of Force Main Construction During Summer**
  - Reduced Commuter/School Traffic
- **Trenches Backfilled Daily (steel plates last 20 ft)**
- **Trenches Paved Weekly**





## Tentative Traffic Plans During Construction (cont.)

- **All Road Work**
  - Police Detail/Flaggers at Each End of Work Zone
  - School Buses/Emergency Vehicles Allowed to Pass
- **Ligi's Way**
  - Road Closed to Thru Traffic with Detour
- **Farmingville Road From Ligi's Way to 1500 ft East of Ligi's Way**
  - One Lane Closure
  - Night Work - Hours 7 pm to 3:30 am
- **Farmingville Road From 1500 ft East of Ligi's Way to Lee Rd.**
  - One Lane Closure
  - Reduced Daytime Hours 9 am to 3 pm



## Tentative Traffic Plans During Construction (cont.)

- **Lee Road**
  - Road Closed to Thru Traffic with Detour
- **Limekiln Road from Lee Rd to Linden Rd**
  - Road Closed to Thru Traffic with Detour
  - Reduced Daytime Hours 9 am to 3 pm
- **Limekiln Road from Linden Rd to Haviland Rd**
  - Road Closed to Thru Traffic with Detour





## Tentative Traffic Plans During Construction (cont.)

- **Haviland Road from Limekiln Rd to Still Rd**
  - Road Closed to Thru Traffic with Detour
- **Haviland Road from Still Rd to Route 7**
  - Road Closed to Thru Traffic with Detour
  - Night Work - Hours 7 pm to 3:30 am
- **Route 7 (Ethan Allen Highway)**
  - Shoulder Closure
  - Night Work - Hours 7 pm to 3:30 am



# Weekly Project Information Updates

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- WPCA Website

<https://www.ridgefieldct.org/water-pollution-control-authority-wpca>

- Town Facebook Page

<https://www.facebook.com/TownofRidgefieldCT>

- Emailing List

- Signup List
- Contact WPCA to be added
  - [dvanness@ridgefieldct.org](mailto:dvanness@ridgefieldct.org)
  - 203-431-2734



## Questions/Issues During Construction?

- Contact WPCA, Diana Van Ness Administrator
  - [dvanness@ridgefieldct.org](mailto:dvanness@ridgefieldct.org)
  - 203-431-2734





**Questions?**

