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

- 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

- 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

- 901 Ethan Allen Highway
- Route 7 Ethan Allen Highway
- New Below Ground Dry Well
- New Above Ground Electrical Enclosures
- New Above Ground Fuel Tank
- New Above Ground Generator
- New Underground Wet Well
- Prime Storage
Route 7 Force Main to South Street WWTF
Route 7 Force Main to South Street WWTF
Responsible Parties

- 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
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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
• 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

- 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
    - 203-431-2734
Questions/Issues During Construction?

- Contact WPCA, Diana Van Ness Administrator
  - dvanness@ridgefieldct.org
  - 203-431-2734
Questions?