



Town of

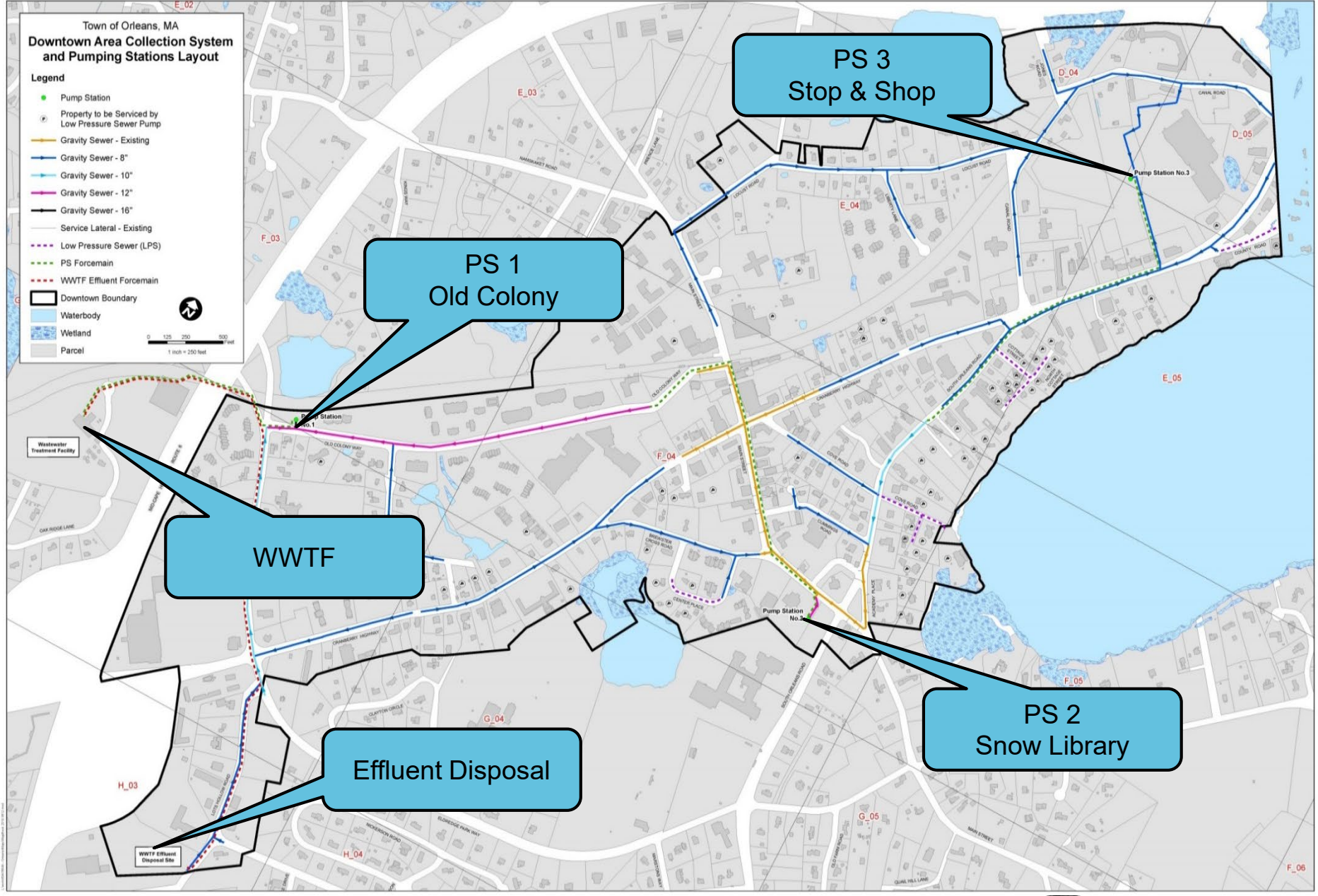
*Orleans*  
Massachusetts

# Downtown Area Collection System and Pumping Stations

Contract No. 2019-02 and SRF No. 4486

Project Overview

August 5, 2020



# Project Overview (cont.)

## ❖ **General Scope of Work**

- About 32,200 Linear Feet of 8-inch through 18-inch PVC Gravity Sewer
- About 11,400 Linear Feet of 6-inch and 8-inch PVC and HDPE Force Main
- About 2,100 Linear Feet of 2-inch Low Pressure Sewer
- Piping System Connected Under Route 6
- 3 Submersible Pumping Stations

## ❖ **Time for Completion - 751 Calendar Days / 304 Working Days**

## ❖ **No DCAMM Certification or MassDOT Highway Division Certification Required**



# Special Attention to Specifications and Bidding Conditions

## ❖ Preconstruction Requirements

- Submittals
- Digital Videodisc Recording
- Health and Safety Plan
- Traffic Management Plan
  - Prepare and Submit to Town, Engineer and MassDOT for Review and Approval
  - Detours and Road Accessibility
  - Responsible for Ordering and Coordinating Traffic Details
- Project Schedule

## ❖ Progress Schedule - “Two-week Look Ahead”

- Summarizes Anticipated Construction Activities
- Thursday of Each Week



# Special Attention to Specifications and Bidding Conditions (cont.)

## ❖ Easements Obtained

## ❖ Permits and Licenses Obtained

- Cape Cod Commission – Consistency Review
- Massachusetts Historical Commission
- MassDEP – CWMP Approval
- Orleans, MA - Conservation Commission - Order of Conditions
- United States Army Corps of Engineers
- MassDOT - Route 6 Crossing

## ❖ Permits and Licenses Anticipated to be Obtained

- MassDOT – Route 6A and Route 28 Road Opening
- Winter and Summer Work Moratorium

## ❖ Town Permits to be Issued After the Contract Award



# Special Attention to Specifications and Bidding Conditions (cont.)

## ❖ EPA Construction General Permit

- Prepare a SWPPP and File an NOI with EPA
- Implement SWPPP and Perform Required Inspections

## ❖ Hours of Operation

- No Outdoor Activities Permitted Before 7:00 am or After 5:00 pm
- No Outdoor Activities Permitted Saturday, Sunday, Legal Holidays and the Two Days Preceding the Legal Holidays

## ❖ Number of Crews

- Minimum Number of Mainline Crews
- One Service Connection Crew
- One Cleanup/Restoration Paving Crew

## ❖ Sequence of Construction

- Specified under Section 01030, Special Requirements



# Special Attention to Specifications and Bidding Conditions (cont.)

## Summer Season Work May 15 through September 15

- ❖ Brewster Crossroads
- ❖ Jones Road
- ❖ Canal Road - Roundabout to Locust Road
- ❖ Liberty Lane
- ❖ Center Place
- ❖ Route 6 Crossing
- ❖ Cove Road – North of Route 28

## Winter Season Work October 15 through March 31

- ❖ Cottage Street
- ❖ North Cottage Street
- ❖ Cove Road – South of Route 28
- ❖ Old County Road
- ❖ Cranberry Cove Plaza



# Special Attention to Specifications and Bidding Conditions (cont.)

## ❖ Pavement Repair and Restoration

- Specified under Section 01030, Special Requirements
- Required to Place Temporary Pavement Every Friday or As Specified in MassDOT Permit for State Roadways

## ❖ Archeological Sensitive Areas

- Cultural Resource Training
- Machine Monitoring

## ❖ Existing Brick Sidewalks

- Installation of Service Laterals
- Minimize the Number of Bricks Removed
- Replace the Existing Bricks Following Installation of Service Laterals
- No Saw Cutting and/or Splitting of Existing Bricks





# Special Attention to Specifications and Bidding Conditions (cont.)

## ❖ Monthly Photographs

## ❖ Crushed Stone and Processed Glass Aggregate

## ❖ Active Vehicle Loop Detectors

- Cranberry Highway with Eldredge Park Way and West Road
- Cranberry Highway with Old County Road and Stop and Shop Plaza Entrance

## ❖ Sensitive Sites

- Pump Station 2 - Snow Library
- Pump Station 3 - Cranberry Cove Plaza with Off Season Work at Cranberry Cove Plaza
- Minimize Disruption of Facility Operation During Construction
- Continue on-site Sewage Disposal System Service During Construction
- On-Site Sewage Disposal System Demolition and Restoration



# Special Attention to Specifications and Bidding Conditions (cont.)

## ❖ **Water System Upgrades**

- Water Service Replacements
- Canal Road Water Main Replacement

## ❖ **Water Quality Projects**

- Brewster Crossroads
- Locust Road

## ❖ **Post Construction**

- Photographs and Record Drawings
- Collection System Cleaning, Testing and CCTV
- Operation and Maintenance Manuals
- Manufacturer's Services
- Spare Parts

