

PROJECT FORM - ARPA (American Rescue Plan Act): CLFRF (Coronavirus Local Fiscal Recovery Funds)

Staff Contact: Jonathan Beder-DPW Director
Project Name: Water Street Sewer Pump Station-Barrier Wall
Location (address or gps): 197 Water Street
Estimated Cost: \$ 2.5M (if over \$10M, additional info will be required)

Staff Contact: Jonathan Beder
Projected initiation of operations date (month/year): 10/2021
Will this project include any contracts > \$50,000? Yes No
Project Description (50-250 words):

Our goal is to construct a flood barrier system to protect the Sewer Pump Station from extreme flooding and storm surge events that can be anticipated in this coastal location due to sea level rise. The Water Street Pump Station (WSPS), constructed in 1964 on a 2.52-acre parcel, serves as the headworks and operations for the Wastewater Treatment Plant. The WSPS receives most of the Town's influent flow through a 30-inch reinforced concrete pipe and pumps wastewater to the WWTP through a 4.5 mile 24-inch polyvinyl chloride and high-density polyethylene force main installed in 2016. The flood barrier wall will be constructed with a reinforced concrete foundation, and reinforced concrete wall with New England stone veneer facing along the building perimeter. The wall will have a 4-inch granite cap and a 42-inch steel ornamental fence on top to guard against unauthorized access to the station. The WSPS is a critical asset and an essential facility to the Town of Plymouth as it handles approximately 90% of the entire sewer system. Flows average 1.5 million gallons per day and occasional flows of 5 million gallons. The WSPS already experiences flooding during major coastal events. Protecting the WSPS during flooding associated with sea level rise and severe storm events exacerbated by climate change, is consistent with the recent Climate Emergency Declaration as voted by the Select Board. Protecting the station with a barrier wall will preserve the function of this critical infrastructure, greatly reducing the risk of catastrophic failure.

For Town Manager Dept Use
 Submit to SB
SB Approval Date: 8/24/21
Amount: \$ 2,500,000.-

For Finance Dept Use
Project #: 5-4
Accounts:
22851235-
583440-
WALL

Please attach all project backup (rfp, quotes, etc.) to this form

Expenditure Categories (check one box below):

1: Public Health

- 1.4 Prevention in Congregate Settings (Nursing Homes, Prisons/Jails, Dense Work Sites, Schools, etc.)
- 1.7 Capital Investments or Physical Plant Changes to Public Facilities that respond to the COVID-19 public health emergency

5: Infrastructure

- 5.1 Clean Water: Centralized Wastewater Treatment
- 5.2 Clean Water: Centralized Wastewater Collection and Conveyance
- 5.3 Clean Water: Decentralized Wastewater
- 5.4 Clean Water: Combined Sewer Overflows
- 5.5 Clean Water: Other Sewer Infrastructure
- 5.6 Clean Water: Stormwater
- 5.7 Clean Water: Energy Conservation
- 5.8 Clean Water: Water Conservation
- 5.9 Clean Water: Nonpoint Source
- 5.10 Drinking water: Treatment
- 5.11 Drinking water: Transmission & Distribution
- 5.12 Drinking water: Transmission & Distribution: Lead Remediation
- 5.13 Drinking water: Source
- 5.14 Drinking water: Storage
- 5.15 Drinking water: Other water infrastructure

For 5.1-5.15:
National Pollutant Discharge Elimination System (NPDES) Permit Number: _____
(if applicable; for projects aligned with the Clean Water State Revolving Fund)

Public Water System (PWS) ID number: _____
(if applicable; for projects aligned with the Drinking Water State Revolving Fund)

- 5.16 Broadband: "Last Mile" projects
- 5.17 Broadband: Other projects

For 5.16-5.17, see next page

Speeds/pricing tiers to be offered, including the speed/pricing of its affordability offering

Technology to be deployed

Miles of Fiber _____

Cost per Mile _____

Cost per Passing _____

Number of households projected to have increased access to broadband meeting the minimum speed standards in areas that previously lacked access to service of at least 25 Mbps download and 3 Mbps upload

_____ # households with access to minimum speed standard of reliable 100 Mbps symmetrical upload & download

_____ # households with access to minimum speed standard of reliable 100 Mbps download and 20 Mbps upload

institutions and businesses projected to have increased access to broadband meeting the minimum speed standards in areas that previously lacked access to service of at least 25 Mbps download and 3 Mbps upload,

in each of the following categories:

_____ Business

_____ Small Business

_____ Elementary School

_____ Secondary School

_____ Higher Education Institution

_____ Library

_____ Healthcare Facility

_____ Public Safety Organization

Specify # of each type of institution with:

Access to the minimum speed standard of reliable 100 Mbps symmetrical upload & download

_____ Business

_____ Small Business

_____ Elementary School

_____ Secondary School

_____ Higher Education Institution

_____ Library

_____ Healthcare Facility

_____ Public Safety Organization

Access to the minimum speed standard of reliable 100 Mbps download & 20 Mbps upload

_____ Business

_____ Small Business

_____ Elementary School

_____ Secondary School

_____ Higher Education Institution

_____ Library

_____ Healthcare Facility

_____ Public Safety Organization

INTEROFFICE MEMORANDUM

TO: KERE GILLETTE
ACCOUNTING OFFICER – FINANCE DEPARTMENT

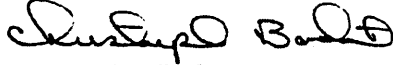
FROM: CHRISTOPHER BADOT
ASSISTANT TO THE PLYMOUTH SELECT BOARD

SUBJECT: FLOOD BARRIER WALL FOR WATER STREET PUMP STATION

DATE: SEPTEMBER 13, 2021

This is to acknowledge that at the Select Board Meeting held on August 24, 2021 the Board voted unanimously to allocate \$2,500,000 from the ARPA Funds to be used for the Flood Barrier Wall for the Water Street Pump Station.

Regards,



Christopher Badot
Assistant to the Select Board
The Town of Plymouth, Massachusetts