



CAPITAL IMPROVEMENT PROJECT (CIP) REQUEST - FY22 - Pump House & Facilities
FORM A - DESIGN & PRE-CONSTRUCTION

Project Title:	Poplar Street Pump Station Project - Pump House & Facilities		
Project Address:	Various		
Department:	IAM - Engineering		
Project Mgr.:	Jonathan Smith	Email:	jsmith@somervillema.gov
New Project or Modification:	New Project		

Department Priority:

Rank your project(s) in order of priority from your point of view. If you propose four projects, rank them 1, 2, 3, 4, with 1 being the highest, and so forth.

Project Description/Scope of Work:

Project includes final design services for the Poplar Street Pump Station, 4 million-gallon stormwater storage tank, catchbasin grit handling, odor control, connection to the Somerville Avenue Utility and Streetscape Improvements box culvert, and connection to the MBTA GLX drainage system. Project includes OPM services and CM@Risk for preconstruction services including construction feasibility analysis, scope management, proposing cost-effective construction alternatives, and validating applicability of selected design elements.

Justification:

The Pump Station will serve as a restoration of a century-old drainage pathway for the greater Union Square area, taking advantage of excess capacity in the GLX drainage system, redirecting stormwater flow from the MWRA system to a stormwater storage tank and 50MGD pump array designed to optimize the flood-reduction and I/I offset benefits of the GLX connection.

Relationship to Other Projects:

The Pump Station relates to the SAUSI project, Spring Hill Sewer Separation project and future system improvements, allowing for diversion of stormwater flows to the proposed facilities. The overall site development at 10 Poplar Street supports the longer term Brickbottom Vision Planning, serving as a community hub and transit-oriented public space.

Category: Please check all appropriate boxes

- Architectural/Engineering Feasibility Study
- Architectural/Engineering Construction Document Services & Construction Admin
- Building Alteration/Repair/Renovation/Addition/New Construction
- Building Improvements (non-construction)
- Purchase of Equipment (incl. vehicles, office equipment, hardware, etc.)
- Information Technology Systems/Platforms (e.g. cloud based, internet based, etc.)
- Street/Sidewalk/Monument Improvements
- Water Improvements
- Sewer Improvements
- Land Development
- Land Acquisition
- Land Disposition
- Parks and Open Space
- Other

Operational Impact:

The Pump Station and associated facilities will improve the Water and Sewer Department's management of catch basin grit, as well as serve as a nerve center for stormwater management through system monitoring equipment and infrastructure controls.

What impact will this project have on operational costs?

- Reduce Cost (greater than 5%)
- Reduce Cost (less than 5%)
- Cost Unchanged
- Increase Cost (less than 5%)
- Increase Cost (greater than 5%)

Design and Construction Project Funding

	Total Estimated Cost	Prior Years Funding	FY 22	FY 23	FY 24	FY 25	FY 26
Capital Costs:							
Feasibility Study							
Land Acquisition/Appraisal	\$ -	-	-	-	-	-	-
Environmental Remediation/LSP	\$ -	-	-	-	-	-	-
Demolition & Site Clearance	\$ -	-	-	-	-	-	-
Owner's Proj. Mgr./Clerk of the Works	\$ 531,408	231,408	300,000	-	-	-	-
Designer Services (Design Phase)	\$ 4,151,265	2,351,265	1,800,000	-	-	-	-
Designer Services (ESDC)							
Construction		-	-	-	-	-	-
Insurance (builder's risk, addtl. Polices)		-	-	-	-	-	-
Furniture & Equipment (FFE)		-	-	-	-	-	-
Police Details		-	-	-	-	-	-
Contingency		-	-	-	-	-	-
Other (Specify)	\$ 1,200,000	-	1,200,000	-	-	-	-
Other (Specify)	\$ -	-	-	-	-	-	-
Total:	\$ 5,882,673	\$ 2,582,673	\$ 3,300,000	\$ -	\$ -	\$ -	\$ -

Funding for \$2,582,673 has already been obtained and approved for the OPM and Designer through FY21. This request is for \$3,300,000 which will provide funding for OPM and Design services through the Design Phase of the PSPS Project (\$2.1M); and fund the estimated costs for Pre-Construction Services which will be provided by the selected CM@Risk firm (\$1,200,000).

Please provide suggested sources. This section will be finalized jointly by Finance and the Department.

	Total Estimated Cost	Prior Years Funding	FY 21	FY 22	FY 23	FY 24	FY 25
Funding Sources:							
Stabilization Fund	\$ -	-	-	-	-	-	-
GO Bonds - GF	\$ -	-	-	-	-	-	-
GO Bonds - Sewer	\$ 5,882,673	2,582,673	3,300,000	-	-	-	-
GO Bonds - Water							
Retained Earnings	\$ -	-	-	-	-	-	-
General Fund	\$ -	-	-	-	-	-	-
Special Assmnt.	\$ -	-	-	-	-	-	-
Ch. 90	\$ -	-	-	-	-	-	-
Grants	\$ -	-	-	-	-	-	-
Receipts Reserved	\$ -	-	-	-	-	-	-
Other - existing GF Bonds	\$ -	-	-	-	-	-	-
Other - existing Sewer Bonds	\$ -	-	-	-	-	-	-
Other - existing Water Bonds	\$ -	-	-	-	-	-	-
Total:	\$ 5,882,673	\$ 2,582,673	\$ 3,300,000	\$ -	\$ -	\$ -	\$ -

Evaluation Committee Use Only:

Reviewed and Approved By:

Requesting Department

Auditing

Purchasing

Date

Date

Date

Final Approval

Version

Draft

Revised

Accepted