



FY2019 Capital Program
 Project Scope, Budget, and Schedule Worksheet
 Financial Town Meeting
 May 7, 2018

**Block Island Landfill Slope Repair Project
 West Beach Road**

Project Cost: \$1,995,000
 Project Schedule: September 8, 2018 – May 22, 2019

Warrant Question:

To authorize the Town Treasurer of said Town, pursuant to Rhode Island General Law 45-12-2 with the consent and approval of the Town Council to issue and refund from time to time, bonds, notes or other evidence of indebtedness in an amount not to exceed \$1,995,000 in order to finance the excavation, removal, burial, reconstruction, and revetment construction associated with stabilization and maintenance of the shoreline side slope of the Town’s closed landfill, completion of the capping of the landfill, and construction and installation of a drainage system to control runoff from the compactor area, such work to be undertaken in conjunction with the permit applications approved by RI CRMC and RI DEM. The terms, details and conditions of such bonds, notes or other evidences of indebtedness to be set by a resolution of the Town Council or by the Town Treasurer and the First Warden in the absence of such resolution.

Project Scope of Work:

Since the closing of the former landfill, the western edge of the site has continued to erode, exposing the previously buried solid waste. As a result, the high winds and storm surges have moved the waves inland resulting in the once-buried waste to migrate to the beach and into the ocean where it is getting dispersed along the shoreline. To stabilize the shoreline and the landfill slope, the proposed project involves the placement of a stone revetment at the toe of the slope to prevent further erosion and displacement of landfill debris. The existing slope will be re-graded before placing the stone revetment and the beach grass. Grading the site will require the excavation of approximately 7,000 cubic yards of material (solid waste and soil) along the westerly slope face of the landfill. While an allowance to remove some of the larger solid metal waste from the site is provided in the contract, any remaining waste will be separated from the soil, buried, and the soil fraction will be used as the final cap material. To allow public access through the property, a walking path will be added that will allow access between the north and south shoreline.

Project Budget:

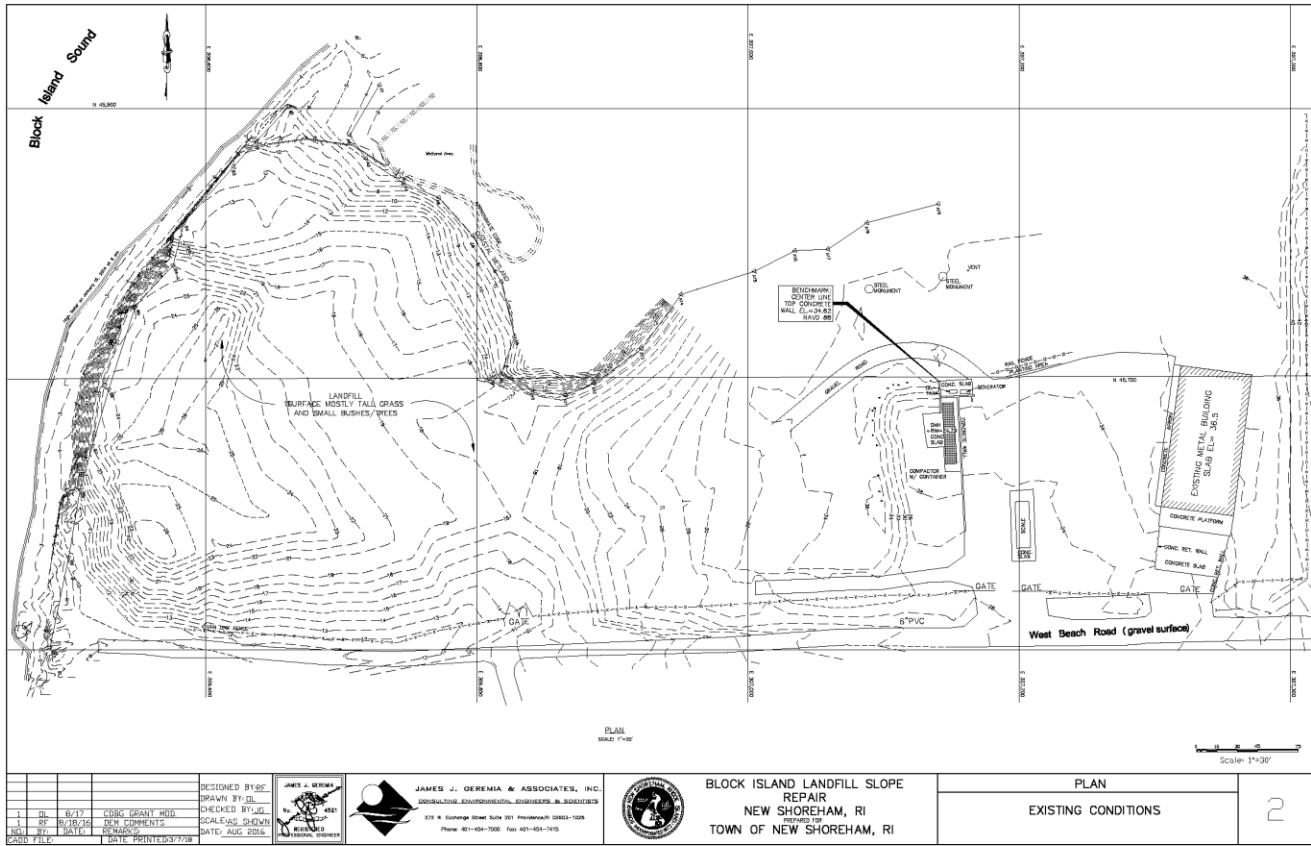
Total project estimated budget is \$1,995,000. An estimated project cost summary is outlined below.

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|-------------------------------|----------------------|
| Construction Contract: | \$1,737,300.00 |
| Construction Administration: | \$ 39,860.00 |
| Resident Inspection Services: | \$ 90,550.00 |
| Contingency (7%): | <u>\$ 127,290.00</u> |
| | \$1,995,000.00 |

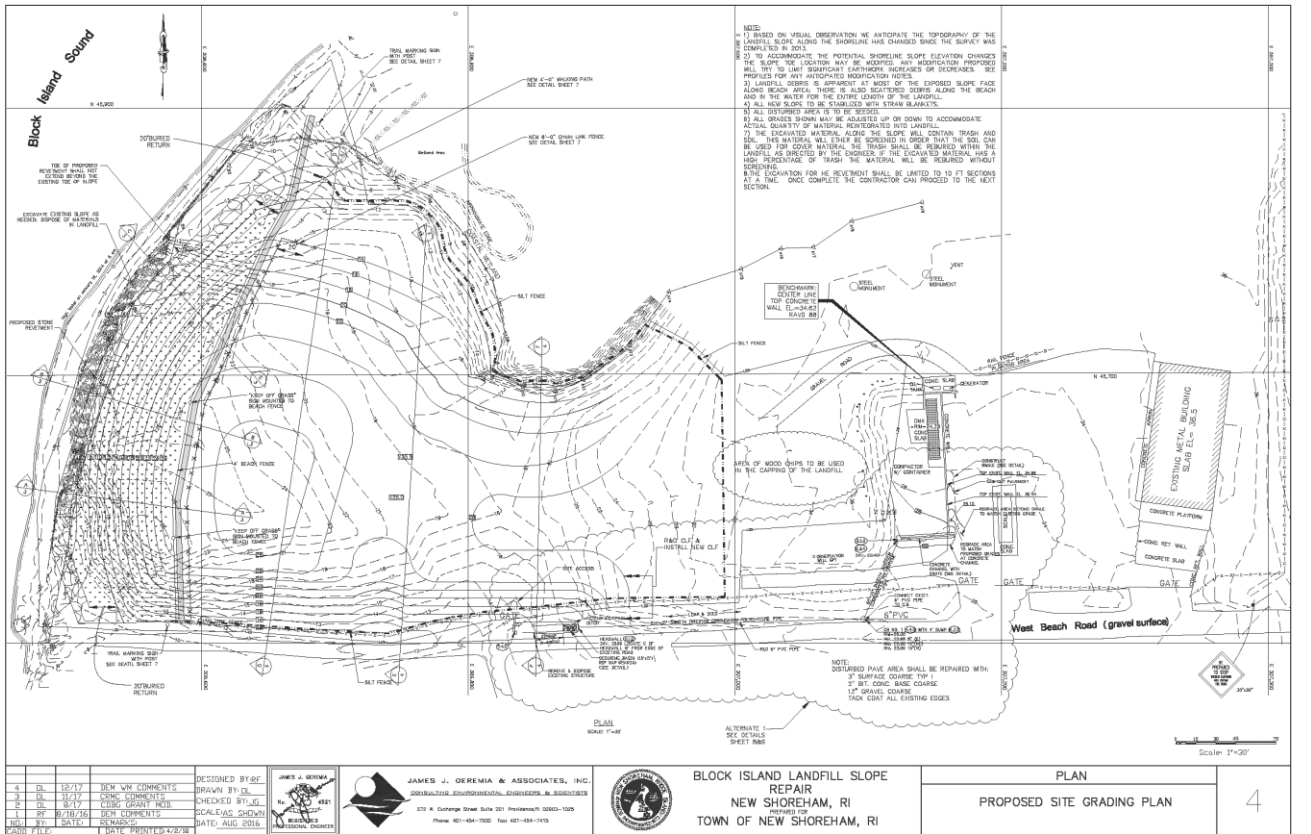
Annual debt service on the total \$1,995,000 is estimated to be \$145,874 over 20 years, or \$70.00 in taxes annually on a property assessed at \$1M.

Project Schedule:

The work is scheduled to begin September 7, 2018 and be complete by May 22, 2019.



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| DESIGNED BY: JAMES J. GEREMIA | | | JAMES J. GEREMIA & ASSOCIATES, INC. GEOTECHNICAL ENGINEERING, ENVIRONMENTAL ENGINEERS, & SURVEYORS 678 N. Exchange Street, Suite 201, Providence, RI 02903-1028 Phone: 401-854-7000 Fax: 401-854-7415 | | BLOCK ISLAND LANDFILL SLOPE REPAIR NEW SHOREHAM, RI TOWN OF NEW SHOREHAM, RI | PLAN EXISTING CONDITIONS | 2 |
| DRAWN BY: DL CHECKED BY: DL DATE: 8/17/17 SCALE: AS SHOWN DATE: AUG. 2016 | DESIGNED BY: JAMES J. GEREMIA DRAWN BY: DL CHECKED BY: DL DATE: 8/17/17 SCALE: AS SHOWN DATE: AUG. 2016 | | | | | | |



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| DRAWN BY: DL CHECKED BY: DL DATE: 8/17/17 SCALE: AS SHOWN DATE: AUG. 2016 | DESIGNED BY: JAMES J. GEREMIA DRAWN BY: DL CHECKED BY: DL DATE: 8/17/17 SCALE: AS SHOWN DATE: AUG. 2016 | | | | | | |