



Town of Nantucket

**Proposed FY2016 Capital Project**

**Project Title: One ton dump truck with plow**

---

**Department: Public Works**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$50,000.00**

**For Fiscal Year(s): 2016**

---

**Funding Source(s):**

General Fund XX

State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

This request is for a replacement of an existing 2004 F-350 one ton dump truck with over 106,000 miles of hard work such as plowing and road construction. This truck is used daily by staff for plowing in the winter and hauling in the summer. This particular truck has been dented many times so that there is many dents on the body, the hydraulic system is worn out and will need replacement soon (which is the system that controls the plow and the dump body). The undercarriage is in bad shape with a lot of rust. The rust is getting into the electrical system as well. A significant amount of money has been spent on this truck lately.

**Is the request for a new structure or equipment?** New, replacement.

**If the request is for replacement or renovation please explain the need.**

The existing dump truck is not reliable enough for constant daily use.

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

This purchase will reduce the cost of constant maintenance of the old equipment.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**



Town of Nantucket

**Proposed FY2016 Capital Project**





Town of Nantucket

**Proposed FY2016 Capital Project**

**Project Title: Pick-up truck with plow**

---

**Department: Public Works**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$50,000.00**

**For Fiscal Year(s): 2016**

---

**Funding Source(s):**

General Fund XX

State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

This request is for a replacement of an existing 2006 Ford 250 pick-up truck. This truck is used daily by the Operations Manager. It has over 150,000 miles on it. It is used for surveying conditions on the island, carrying loads, plowing and hard work. The top end of the engine has been rebuilt, the brakes rebuilt, transmission serviced, and it has body dents.

**Is the request for a new structure or equipment?** New, replacement.

**If the request is for replacement or renovation please explain the need.**

The existing pick up is not reliable enough for constant daily use.

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

This purchase will reduce the cost of constant maintenance of the old equipment.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**



Town of Nantucket

**Proposed FY2016 Capital Project**





Town of Nantucket

**Project Title: Wood Chipper**

---

**Department: Public Works**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$50,000.00**

**For Fiscal Year(s): 2016**

---

**Funding Source(s):** General Fund XX

State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

This request is for a replacement for the existing 20 year old wood chipper. Not only has it outlived it's useful life, but the mandatory safety equipment on the device is gone. With the recent recurrence of severe storms, the DPW can't run the risk of having unsafe and ancient equipment to keep the roads of Nantucket safe.

**Is the request for a new structure or equipment?** New, replacement.

**If the request is for replacement or renovation please explain the need.**

The existing 20 year old chipper is no longer safe for use.

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

This purchase will reduce the cost of constant maintenance of the old equipment.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**



Town of Nantucket





Town of Nantucket

**Proposed FY2016 Capital Project**

**Project Title: 108-120 Baxter Road Alternative Access Design and Construction**

---

**Department: Public Works/Sewer                      Contact Person: Kara Buzanoski**

---

**Department Priority:**                      Low                      Medium                      High xx

---

**Funding Amount Requested: \$500,000.00                      For Fiscal Year(s): 2016**

---

**Funding Source(s):**                      General Fund XX                      State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

Design, bid and construct alternative access for the homes that are affected by the erosion of the Baxter Bluff. As the bluff recedes the road will no longer be able to service the homes on the bluff. Alternate route(s) to the homes on Baxter Road must be developed and constructed. The Planning Office has been negotiating with the adjacent land owners to acquire easements for construction of the new access.

**Is the request for a new structure or equipment? Yes**

**If the request is for replacement or renovation please explain the need.** As the Bluff recedes the roadway will become inaccessible. It will need to be replaced to service the remaining homes.

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**

This construction will continue to provide for access to the affected properties.

**RESERVED FOR REGISTRY USE**

I CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTRY OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

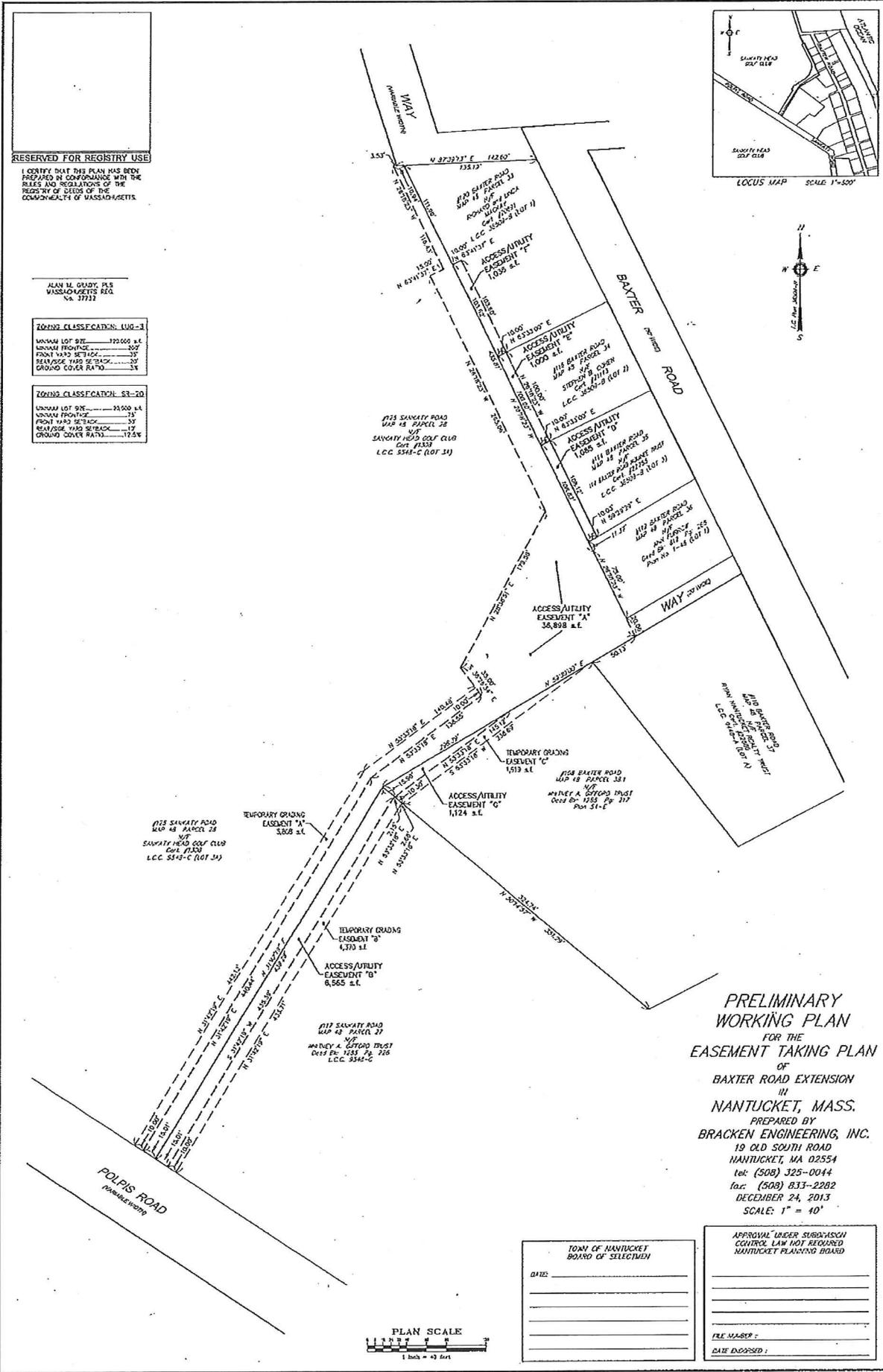
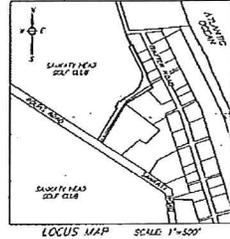
ALAN M. GRADY, PLS  
MASSACHUSETTS REG.  
No. 17722

**ZONING CLASSIFICATION: LUO-3**

MINIMUM LOT SIZE: 100,000 s.f.  
MINIMUM FRONT SETBACK: 200'  
MINIMUM SIDE SETBACK: 25'  
MINIMUM REAR SETBACK: 25'  
GROUND COVER RATIO: 3%

**ZONING CLASSIFICATION: SR-20**

MINIMUM LOT SIZE: 20,000 s.f.  
MINIMUM FRONT SETBACK: 75'  
MINIMUM SIDE SETBACK: 35'  
MINIMUM REAR SETBACK: 15'  
GROUND COVER RATIO: 17.5%



**PRELIMINARY  
WORKING PLAN**  
FOR THE  
**EASEMENT TAKING PLAN**  
OF  
**BAXTER ROAD EXTENSION**  
IN  
**NANTUCKET, MASS.**  
PREPARED BY  
**BRACKEN ENGINEERING, INC.**  
19 OLD SOUTH ROAD  
NANTUCKET, MA 02554  
tel: (508) 325-0044  
fax: (508) 833-2202  
DECEMBER 24, 2013  
SCALE: 1" = 40'

TOWN OF NANTUCKET  
BOARD OF SELECTMEN

DATE: \_\_\_\_\_

\_\_\_\_\_

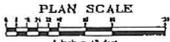
\_\_\_\_\_

\_\_\_\_\_

APPROVAL UNDER SUBDIVISION  
CONTROL LAW NOT REQUIRED  
NANTUCKET PLANNING BOARD

PREPARED BY: \_\_\_\_\_

DATE ENDORSED: \_\_\_\_\_





Town of Nantucket

### Proposed FY2016 Capital Project

**Project Title:** Surfside Area Road Design and Construction Phase 1

---

**Department:** Public Works/Sewer      **Contact Person:** Kara Buzanoski

---

**Department Priority:**                      Low                      Medium                      High xx

---

**Funding Amount Requested:** \$1,00,000.00      **For Fiscal Year(s):** 2016

---

**Funding Source(s):**      General Fund XX                      State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

Design, bid and reconstruct the Boulevard. The Surfside area residents have requested that the Town make portions of the Boulevard, Lovers Lane, Okorwaw and Monohansett public as they are already heavily travelled by the public to access the airport. The Planning Office will be negotiating with the adjacent land owners to acquire any easements that may be required for construction of the new road. Funds to address the other roads will be requested in future years.

**Is the request for a new structure or equipment?** Yes, making the Boulevard, which is currently a private road, into a public roadway.

**If the request is for replacement or renovation please explain the need.** The Surfside area owners have petitioned the Town to make Boulevard a public way. The Town is considering this to provide an additional access to the airport over public roads.

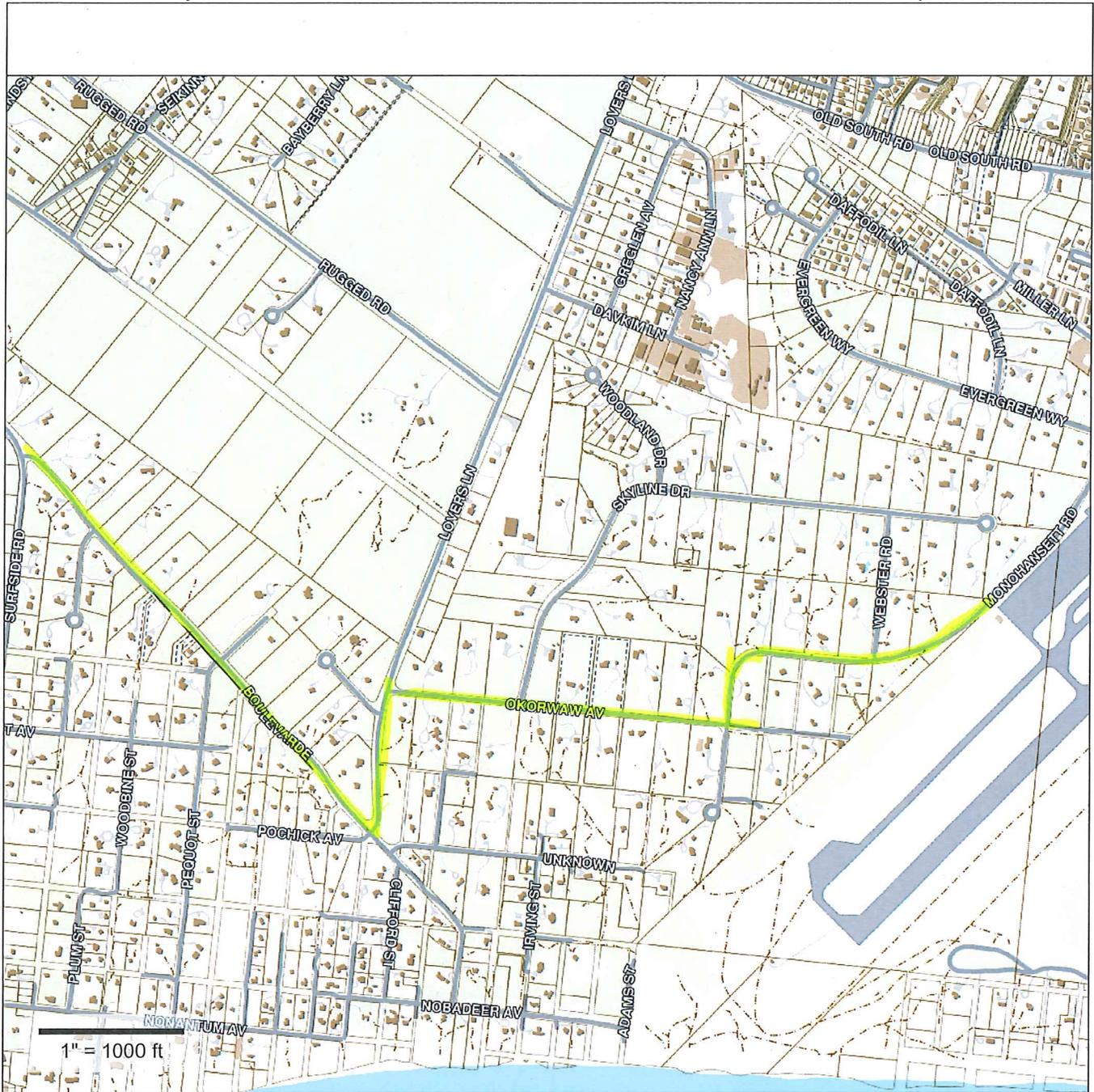
**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**  
The maintenance of this road will be done within the existing DPW budget.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**

This construction will provide an additional public route to the airport.



**Property Information**

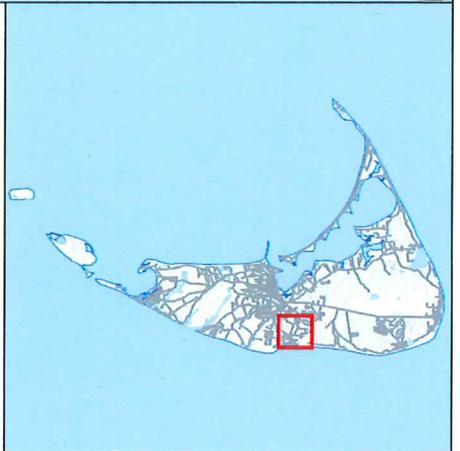
Property ID	00123456
Location	00123456
Owner	00123456



**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

The Town makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Parcels updated December, 2013





Town of Nantucket

### Proposed FY2016 Capital Project

**Project Title: Road Maintenance**

---

**Department: Public Works**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$900,000.00**

**For Fiscal Year(s): 2016**

---

**Funding Source(s):**

General Fund xx

State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

Road improvements funded by this authorization and Chapter 90 funding . List of roads for FY 16 are attached.

**Is the request for a new structure or equipment? No**

**If the request is for replacement or renovation please explain the need.**

Resurfacing of a street is a renovation. The 2005 MACTEC Pavement Management Plan predicts that an annual investment level of \$1.35 million per year is necessary to keep public paved roads at their then B+ rating. The Town has never met that funding level. It has relied exclusively on MA. Chapter 90 funding plus local funding to meet identified roadway maintenance needs.

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

Continued postponement of needed pavement maintenance will only inflate cost as time passes.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**

**PROPOSED FY16 PAVING**

NAME	LENGTH, miles	ROAD WIDTH, ft	LANES	SURF TYPE	SHLD TYPE	REPAIR
MEADER ST	0.071	13	1	AC	None	Mill and Pave
EAGLE LN	0.072	13	1	AC	Curbed	Mill and Pave
EEL POINT RD-1	0.227	19	2	AC	Natural	Mill and Pave
JEFFERSON LN	0.106	11	1	AC	None	Mill and Pave
SEA ST	0.075	15	1	AC	Curbed	Mill and Pave
MT VERNON ST	0.114	19	1	AC	Curbed	Mill and Pave
CHERRY ST	0.148	21	1	AC	None	Mill and Pave
WILLIAMS ST	0.14	14	1	AC	None	Mill and Pave



Town of Nantucket

**Proposed FY2016 Capital Project**

**Project Title: Bartlett Road Bike Path**

---

**Department: Public Works**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$500,000.00**

**For Fiscal Year(s): 2016**

---

**Funding Source(s):** General Fund XX

State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

Bartlett Road bike path was constructed at a time when the width of bike paths was not well documented. Through the years it has become apparent that the width of the path at its northeasterly end is insufficient. The green space between the road and the path will be utilized to widen the bike path. Work will be done using the Town's paving contractor in a manner similar to the renovations done to the Madaket Road bike path.

**Is the request for a new structure or equipment? No**

**If the request is for replacement or renovation please explain the need.**

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**

This construction will greatly improve public safety.



Town of Nantucket

**Proposed FY2016 Capital Project**

**Project Title: Consue Springs – Harbor Outfall Stormwater Improvements Construction**

---

**Department: Public Works**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$3,500,000.00**

**For Fiscal Year(s): 2016**

---

**Funding Source(s):** General Fund XX

State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

Consue Spring – Replace storm Drain from Bear St to Consue Springs  
Dredge Goose Pond/Consue Springs Pond  
Replace the two culverts running under the old Railroad Bed

Cost estimate from GZA and Vine Assoc.

Map is attached.

**Is the request for a new structure or equipment? No**

**If the request is for replacement or renovation please explain the need.**

This is a request to upgrade a necessary part of the Town’s drainage system, the culvert at the railroad bed at Goose Pond.

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**

This is the next project in the stormwater improvement program.





Town of Nantucket

**Proposed FY2016 Capital Project**

**Project Title: Easy Street Bulkhead**

---

**Department: Public Works**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$1,200,000.00**

**For Fiscal Year(s): 2016**

---

**Funding Source(s):**

General Fund XX

State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

This request is for the Town's portion of a loan grant from the Commonwealth Executive Office of Energy and Environmental Affairs for a Dam and Seawall Replacement Grant. The plan and application narrative is attached. The entire cost of the replacement is \$1,524,460. A grant of \$150,000 has been awarded, with the balance will be a loan.

**Is the request for a new structure or equipment?** New, replacement.

**If the request is for replacement or renovation please explain the need.**

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

There will be an decreased cost for maintenance of this new structure. The existing structure has failed and requires constant replacement of bricks after storm events.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense is not expected to generate any revenues for the Town.

**If relevant, provide any other justification for the project or equipment.**

EXECUTIVE OFFICE OF ENERGY AND ENVIRONMENTAL AFFAIRS  
DAM AND SEAWALL LOAN FUND  
APPENDIX A: APPLICATION  
APPLICATION ATTACHMENT A: ADMINISTRATIVE SUMMARY

PROJECT TITLE: Easy Street Bulkhead STRUCTURE # 048-042-003-113-100

LOCATION COORDINATES: Latitude 41-17'-05" N Longitude 070-05'-50"W

RESPONDING ORGANIZATION; Town of Nantucket

Contact Name - D. F. Fronzuto, Emergency Management & Marine Safety  
Coordinator

Address - 4 Fairgrounds Road,  
Nantucket, MA 02554

Telephone - 508-228-1212, 508-958-7280 (c)

Facsimile - 508-228-7246

Internet Address- dfronzuto@nantucketpolice.com

PROJECT CATEGORY (CHOOSE ONE):

- Category 1 - Dams and similar unregulated impoundments  
XX Category 2 - Seawalls, coastal flood and/or wave control structures  
Category 3 - Inland flood control structures and levees, excluding dams and similar unregulated impoundments

FUNDS SOUGHT FROM PROGRAM

State Funds via EEA	\$	<u>1,435,559.50</u>
Anticipated Matching Funds	\$	<u>58,981.42</u> (Cash) (FEMA/MEMA)
Sources	\$	<u>30,000.00</u> (Local In-kind services)

AUTHORIZED APPLICATION SIGNATURE

Signature:  Date 6/11/14

Print Name and Title: C. Elizabeth Gibson, Town Manager Date: June 11, 2014



Town of Nantucket

### Proposed FY2016 Capital Project

**Project Title:** Stormwater Master plan

---

**Department:** Public Works

**Contact Person:** Kara Buzanoski

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested:** \$500,000.00

**For Fiscal Year(s):** 2016

---

**Funding Source(s):** General Fund XX

State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

Woodard & Curran, the Town's sewer consultant has applied for a State Water Pollution Abatement loan to fund a comprehensive study of the Town's drainage system, some parts of which are over 100 years old. The study will prioritize upgrades and renovations necessary to address problems with storm drains.

**Is the request for a new structure or equipment?** No

**If the request is for replacement or renovation please explain the need.**

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

Any suggested construction projects will require approval by Town Meeting.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**

This is the evaluation that will outline appropriate sequencing of stormwater improvements.



Town of Nantucket

Proposed FY2016 Capital Project

**Project Title: Facility Renovations Project – Town Building**

---

**Department: DPW (Facilities)**

**Contact Person: Kara Buzanoski / Larry Kester**

---

**Department Priority:**

Low

Medium

High

---

**Funding Amount Requested: \$250,000.00**

---

**Funding Source(s):** General Fund

State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and source of cost estimate:**

To conduct renovation and maintenance projects in the Town Building. See attached for detailed descriptions and cost breakouts. The projects are generally designed to improve the reliability and efficiency of the heating system and bring it into code. They also address working environment issues and overall improvement of the visual appearance of the facility.

**Is the request for a new structure or equipment?**

No.

**If the request is for replacement or renovation please explain the need.**

There are replacement of existing heating system equipment and renovations being proposed. The equipment being replaced has reached the end of its life and is causing considerable ongoing maintenance costs to be incurred. The tank component of the project is in violation of current codes and has to be done in accordance with the law.

**Provide cost changes (if any) that will/could result from this request i.e. increase or decrease maintenance costs, utilities, personnel etc.**

Reduction in maintenance costs are expected along with reduced risk exposure. There is also theoretically, at least a 5% improvement in efficiency of the boiler so we expect a slight reduction in fuel consumption.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

None.

**If relevant, provide any other justification for the project or equipment.**

Not applicable.



Town of Nantucket

Facility Renovations Project – Town Building  
Detail Description

<p>1</p>	<p>To remove and replace the existing boiler, burner, circulator pumps, valves, expansion tank, and operational controls and add new zone valve thermostats. Quotes received.</p> <p>This is for replacement. The existing system will be 18 years old and very close to the end of its design life. It is currently giving us maintenance problems like leaking valves, pump breakdowns and problematic heat distribution.</p>	
<p>2</p>	<p>To remove the existing Tank(s) which are currently buried under the ground behind the Town Building and replace with an above ground oil storage tank. Extra landscaping will be required to minimize the visual impact of above ground tanks. Costs are estimated.</p> <p>This is for replacement. The existing Tank(s) will be 23 years old and very close to the end of its design life. It is of an old single wall design and not up to current tank standards. Also, with the new definition of the flood zone area, the buried tank is now in the flood zone and in violation of code. It needs to be replaced.</p> <p>This should result in a reduction in maintenance and risk exposure</p>	
<p>3</p>	<p>To contract a specialized consultant to inspect, take samples, analyze and report back on the condition of the asbestos situation in the Town Building. Include recommendations for remediation. And, to contract an HVAC consultant to inspect and report back the condition of the Ventilation system in the Town Building. Costs are estimated.</p> <p>This is for condition assessment and background data for future renovation recommendations.</p> <p>No cost changes involved..</p>	
<p>4</p>	<p>Various targeted projects which will upgrade and enhance the exterior appearance of the Town Building, and improve the comfort level of the work environment. The objectives are to replace three windows, to replace the AC Units, to power wash the gutters, windows and doorway entrances, to paint the gutters, doorways and window trim, to sweep the boiler chimney and to install an ADA Auto-Door opener. Costs are estimated.</p> <p>There are three windows that are in need of replacement as their frame/sills are badly deteriorated. The AC units are very old and inefficient and need to be upgraded with more energy efficient models.</p>	
	<p>Total Cost.....</p>	<p>\$250,000</p>



Town of Nantucket

**Proposed FY2016 Capital Project**

**Project Title: Nobadeer Field House construction**

---

**Department: Public Works**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$1,000,000.00**

**For Fiscal Year(s): 2016**

---

**Funding Source(s):**

General Fund XX

State Grant

---

Enterprise Fund

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

This request is for a new field house to be constructed at the Nobadeer fields. It is the last phase of the construction of an outstanding recreational facility which includes 2 large playing fields and an artificial turf field. This Field House will contain men's and women's bathroom facilities, kitchen area and storage area for the equipment required to maintain the grass and artificial turf fields.

Funding from CPC has also been requested for this project.

**Is the request for a new structure or equipment?** New

**If the request is for replacement or renovation please explain the need.**

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

There will be an increased cost for maintenance of this new structure-cleaning the bathrooms and maintaining the structure.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense is not expected to generate any revenues for the Town.

**If relevant, provide any other justification for the project or equipment.**

Previously \$350,000 was granted by the CPC for the field house and authorized the annual Town Meeting in April 2011.





Town of Nantucket

Proposed FY2016 Capital Project

**Project Title: Surfside WWTP Modifications**

---

**Department: Public Works**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$8,800,000.00**

**For Fiscal Year(s): 2016**

---

**Funding Source(s):** General Fund

State Grant: \$8.8 million SRF loan application filed

---

Enterprise Fund XX

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

The recently submitted Draft CWMP outlines operational changes that need to be made to accommodate the additional flows from Madaket and Warren's Landing as well as improve reliability and energy efficiency. Madaket and Warren's Landing are areas that contribute nitrogen from septic systems that degrades the water quality in Madaket Harbor and Hither Creek. The equipment work in this request are additional blowers in the aeration tanks, tank size, corrosion control, screening, sludge pump replacements and instrumentation and controls updating. Woodard & Curran have applied for an SRF loan for this work.

**Is the request for a new structure or equipment?** No

**If the request is for replacement or renovation please explain the need.**

This is a request for upgrade to the most costly operational building on the island.

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

The changes should reduce the electric costs at the WWTP while increasing its performance and treatment capacity.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**



Town of Nantucket

**Proposed FY2016 Capital Project**

**Project Title: Somerset/ Madaket/ Warren's Landing**

---

**Department: Public Works**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$42,000,000.00**

**For Fiscal Year(s): 2016/2017**

---

**Funding Source(s):** General Fund

State Grant \$42 million SRF loan application filed

---

Enterprise Fund XX

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

Somerset will be sewered first. This is because the extension of sewers to Madaket requires that pipes flow through the Somerset neighborhood to access Madaket. Since Madaket area is the greatest priority for sewerage, in the CWMP, the pipes must be extended through Somerset to serve Madaket. Somerset will be in FY 2016. Madaket and Warren's Landing will be in FY 2017.

**Is the request for a new structure or equipment? Yes**

**If the request is for replacement or renovation please explain the need.**

This is a request for extension of the municipal sewer system.

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

Miles of sewers to be maintained will increase adding to the workload of the DPW and Sewer staffs.

**Provide an estimate of revenues (if applicable) gained by this expenditure.**

Increased number of new users will increase privilege fees and user fees. There are approximately 400 proposed users in Madaket and Warren's Landing.

**If relevant, provide any other justification for the project or equipment.**

DEP required that the CWMP be updated when the TMDLs for the Nantucket and Madaket Harbors were completed. The new water quality limits required an evaluation of where the nitrogen pollutants were originating. In these areas nitrogen is entirely generated by septic systems. The only way to address this pollution is by sewerage, there is no alternative technology that will remove nitrogen from septic effluent.

Somerset is being sewered first because these sewers are necessary to get sewer out to Madaket.



Town of Nantucket

**Proposed FY2016 Capital Project**

**Project Title: 108-120 Baxter Road Sewer Design and Construction**

---

**Department: Public Works/Sewer**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$250,000.00**

**For Fiscal Year(s): 2016**

---

**Funding Source(s):** General Fund

State Grant

---

Enterprise Fund XX

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

Design, bid and construct replacement sewers for the homes that are affected by the erosion of the Baxter Bluff. As the bluff recedes the sewer will be exposed and will no longer be able to service the homes on the bluff. Alternate route(s) to sewer the homes on Baxter Road must be developed and constructed. Additional funds may need to be appropriated depending on what the design of the new sewers will be.

**Is the request for a new structure or equipment?** No, replacement of sewers that will be exposed by erosion of Baxter Bluff.

**If the request is for replacement or renovation please explain the need.** As the Bluff recedes the utilities will become exposed. They will need to be replaced to service the remaining homes.

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

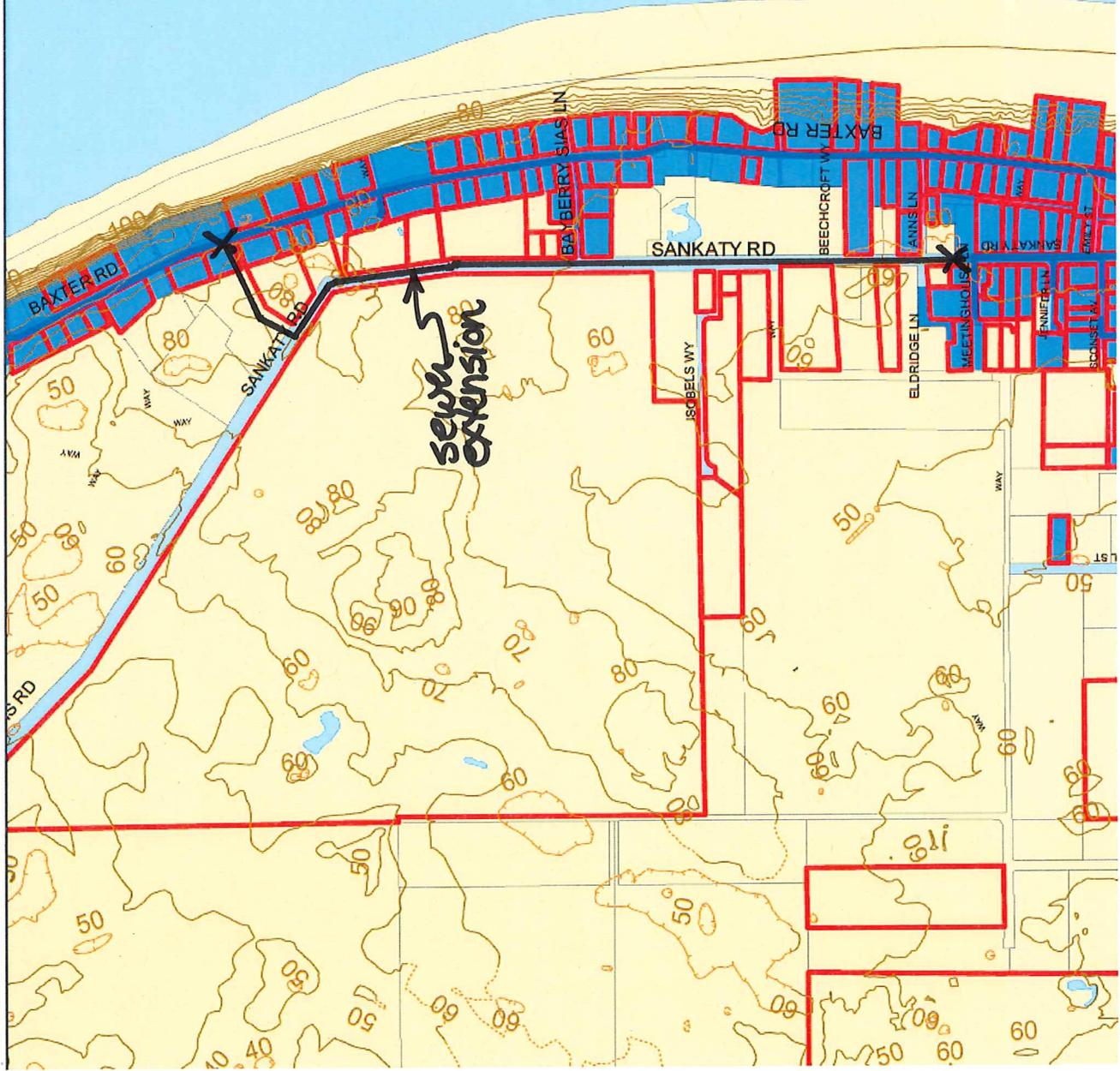
**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**

This construction will continue to provide for the public health of the affected properties.

Baxter Road Sewer  
(shown in black)



sewer extension



Town of Nantucket

Proposed FY2016 Capital Project

**Project Title: Surfside Sewer Pump station upgrades**

**Department: Public Works**

**Contact Person: Kara Buzanoski**

**Department Priority:**

Low

Medium

High xx

**Funding Amount Requested: \$100,000.00**

**For Fiscal Year(s): 2016**

**Funding Source(s):** General Fund

State Grant

Enterprise Fund XX

Other (please explain):

**Project Description including location and cost estimate (provide source of estimate):**

This sewer pump station is the main pump station after Sea Street sewer pump station. It has had no upgrades to it and needs to be brought up to today's standards with the following work: Upgrade pump motors, install Variable frequency drives (VFD) controllers and digital level control system. Cost estimate is from a supplier of the equipment needed for the upgrade.

**Is the request for a new structure or equipment?** No

**If the request is for replacement or renovation please explain the need.**

This is a request for upgrade to a necessary and irreplaceable component of the sewer system.

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

The VFD's should greatly reduce the electric costs at the sewer pumping station while increasing its performance.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**



Town of Nantucket

**Proposed FY2016 Capital Project**

**Project Title: Landfill Mining**

---

**Department: Public Works**

**Contact Person: Kara Buzanoski**

---

**Department Priority:**

Low

Medium

High xx

---

**Funding Amount Requested: \$670,000.00**

**For Fiscal Year(s): 2016**

---

**Funding Source(s):** General Fund

State Grant

---

Enterprise Fund XX

Other (please explain):

---

**Project Description including location and cost estimate (provide source of estimate):**

Mining of the existing landfill. The previous contract was completed in 2014. This will be the second year of the second 5 year mining contract. Attached is a map of the landfill and the area to be mined in the next year.

**Is the request for a new structure or equipment?** No

**If the request is for replacement or renovation please explain the need.**

Removal of waste from the historic landfill/dump.

**Provide cost changes (if any) i.e. increase or decrease maintenance costs, utilities, personnel etc.**

Cost remains the same under the second 5 year contract as under the old contract.

**Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure.**

This capital expense will not generate any revenues.

**If relevant, provide any other justification for the project or equipment.**

The removal of waste from the historic landfill creates new landfill volume, protects the environment from contamination from the unlined fill and extends the life of the existing landfill area.

**Town of Nantucket  
Landfill Mining Program: End or Extend?  
12 June 2013**

**Solid Waste Facilities**

Composter (MSW, sludge)

MRF (recyclables)

Transfer station (C&D waste)

Site (scrap metal, brush, etc.)

**Landfill cells and status**

- Cell 1A Unlined, mined, no cap
- Cell 1B Unlined, active mining, capped
- Cell 1C Unlined, inactive, mined, no cap
- Cell 2A Lined, filled, inactive, no cap
- Cell 2B Lined, receiving residual materials
- Cell 2C Planned for FY2015

