



## TOWN OF GROTON

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Groton, Massachusetts 01450-1237  
Tel: (978) 448-1111  
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### Board of Selectmen

John G. Petropoulos, *Chairman*  
Joshua A. Degen, *Vice-Chairman*  
Barry A. Pease, *Clerk*  
Peter S. Cunningham, *Member*  
Anna Eliot, *Member*

**Town Manager**  
Mark W. Haddad

December 31, 2016

**Honorable Board of Selectmen:**  
**Honorable Finance Committee:**

I am pleased to present the proposed Five-Year Capital Plan for Fiscal Years 2018 through 2022 for the Town of Groton, Massachusetts. This Plan allows for careful, critical review of major expenditures and helps to avoid the pitfalls associated with hasty planning and limited forethought. By scheduling expenditures, it allows for a more even distribution of costs, thereby providing greater budget stability. In developing this plan, I worked closely with all Department Heads and attempted to identify capital improvement projects that represented major, non-recurring expenditures and to prioritize them. We have balanced the immediate and long-term capital needs of the Town given available resources. I am proposing the following items from the Capital Plan be funded in FY 2018:

| <u>Department</u>      | <u>Item</u>                 | <u>Amount</u>      | <u>Funding Source</u>   |
|------------------------|-----------------------------|--------------------|-------------------------|
| Fire/EMS               | Ladder 1 Replacement        | \$ 995,000         | General Obligation Bond |
| Fire/EMS               | SCBA Compressor             | \$ 41,000          | EMS Fund                |
| Highway                | Intermediate Truck          | \$ 70,000          | Capital Asset Fund      |
| Town Facilities        | IT Infrastructure           | \$ 40,000          | Capital Asset Fund      |
| Town Facilities        | Dispatch Center Update      | \$ 60,000          | Free Cash               |
| Town Facilities        | Municipal Building Repairs  | \$ 25,000          | Capital Asset Fund      |
| Town Facilities        | Police Station Parking Lot  | \$ 40,000          | Capital Asset Fund      |
| Transfer Station       | Trash Trailer               | \$ 90,000          | Capital Asset Fund      |
| Library                | Exterior/Parking Lot Lights | \$ 30,000          | Capital Asset Fund      |
| Police                 | Police Cruisers             | \$ 91,092          | Capital Asset Fund      |
| Police                 | ATV                         | \$ 18,000          | Capital Asset Fund      |
| Country Club           | Boom Sprayer Unit           | \$ 6,500           | Capital Asset Fund      |
| Country Club           | Triplex – Greens Mower      | \$ 5,100           | Capital Asset Fund      |
| Water Department       | Whitney Pond/Electrical     | \$ 250,000         | Water Revenue           |
| <b>Total Requested</b> |                             | <b>\$1,761,692</b> |                         |

**Honorable Board of Selectmen  
Honorable Finance Committee  
Town of Groton Capital Plan 2018 – 2022  
page two**

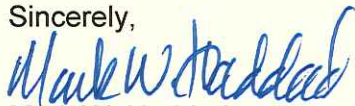
To fund this proposed Capital Plan in FY 2018, I am proposing that the following amounts be appropriated from the following sources:

|                         |                  |
|-------------------------|------------------|
| General Obligation Bond | \$ 995,000       |
| Capital Asset Fund      | \$ 415,692       |
| Free Cash               | \$ 60,000        |
| Water Revenue           | \$ 250,000       |
| Ambulance Receipts      | <u>\$ 41,000</u> |
| Total                   | \$1,761,692      |

I wish to acknowledge and thank all of the Department Heads and Staff for their efforts in producing this document.

I look forward to the opportunity to discuss this proposed plan in more detail.

Sincerely,



Mark W. Haddad  
Town Manager

**Town of Groton, Massachusetts**  
**CAPITAL PLAN**  
**2018 - 2022**

**FUNDING SUMMARY**

|                | 2018                | 2019              | 2020                | 2021                | 2022                 | Five Year Total      |
|----------------|---------------------|-------------------|---------------------|---------------------|----------------------|----------------------|
| GENERAL FUND   | \$ -                | \$ 40,000         | \$ 40,000           | \$ 40,000           | \$ 40,000            | \$ 160,000           |
| BOND           | \$ 6,995,000        | \$ -              | \$ -                | \$ -                | \$ -                 | \$ 6,995,000         |
| CAPITAL ASSET  | \$ 475,692          | \$ 697,558        | \$ 728,945          | \$ 725,353          | \$ 501,682           | \$ 3,129,230         |
| WATER REVENUE  | \$ 250,000          | \$ -              | \$ -                | \$ -                | \$ 3,300,000         | \$ 3,550,000         |
| SEWER REVENUE  | \$ -                | \$ -              | \$ -                | \$ 1,250,000        | \$ 14,500,000        | \$ 15,750,000        |
| AMBULANCE FUND | \$ 41,000           | \$ -              | \$ 558,000          | \$ -                | \$ 325,000           | \$ 924,000           |
| <b>TOTAL</b>   | <b>\$ 7,761,692</b> | <b>\$ 737,558</b> | <b>\$ 1,326,945</b> | <b>\$ 2,015,353</b> | <b>\$ 18,666,682</b> | <b>\$ 30,508,230</b> |

Town of Groton, Massachusetts  
CAPITAL PLAN  
2018 - 2022

**LISTING OF PROJECTS BY FUNDING SOURCE**

**GENERAL FUND**

| Page            | Program         | Description                         | Cost 2018 | Cost 2019 | Cost 2020 | Cost 2021 | Cost 2022 | Funding Source |
|-----------------|-----------------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|----------------|
| 13              | Town Facilities | IT Infrastructure/Computer Purchase |           | \$ 40,000 | \$ 40,000 | \$ 40,000 | \$ 40,000 | General Fund   |
| <b>Subtotal</b> |                 |                                     | \$ -      | \$ 40,000 | \$ 40,000 | \$ 40,000 | \$ 40,000 |                |

**BOND**

| Page            | Program          | Description                | Cost 2018    | Cost 2019 | Cost 2020 | Cost 2021 | Cost 2022 | Funding Source |
|-----------------|------------------|----------------------------|--------------|-----------|-----------|-----------|-----------|----------------|
| 1               | Fire and EMS     | Ladder 1 Replacement       | \$ 995,000   |           |           |           |           | Bond           |
| 28              | Council On Aging | New/Renovate Senior Center | \$ 6,000,000 |           |           |           |           | Bond           |
| <b>Subtotal</b> |                  |                            | \$ 6,995,000 | \$ -      | \$ -      | \$ -      | \$ -      |                |



**Town of Groton, Massachusetts**  
**CAPITAL PLAN**  
**2018 - 2022**

**LISTING OF PROJECTS BY FUNDING SOURCE (CONTINUED)**

**CAPITAL ASSET STABILIZATION FUND**

| Page            | Program          | Description                              | Cost 2018         | Cost 2019         | Cost 2020         | Cost 2021         | Cost 2022         | Funding Source |
|-----------------|------------------|--|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|
| 2               | Fire and EMS     | Engine 5 Refurbishment                   |                   |                   | \$ 210,000        |                   |                   | Capital Asset  |
| 3               | Fire and EMS     | Service 1 Replacement                    |                   |                   | \$ 50,000         |                   |                   | Capital Asset  |
| 5               | Fire and EMS     | Engine 1 Refurbishment                   |                   |                   |                   | \$ 210,000        |                   | Capital Asset  |
| 8               | Highway          | Pick-Up Trucks                           |                   | \$ 40,000         |                   | \$ 40,000         |                   | Capital Asset  |
| 9               | Highway          | Brush Mower/Field Mower                  |                   |                   | \$ 45,000         |                   |                   | Capital Asset  |
| 10              | Highway          | Intermediate Truck                       | \$ 70,000         |                   |                   | \$ 60,000         |                   | Capital Asset  |
| 11              | Highway          | Dump Truck                               |                   | \$ 185,000        |                   |                   | \$ 200,000        | Capital Asset  |
| 12              | Highway          | Backhoe                                  |                   |                   | \$ 95,000         |                   |                   | Capital Asset  |
| 13              | Town Facilities  | IT Infrastructure/Computer Purchase      | \$ 40,000         |                   |                   |                   |                   | Capital Asset  |
| 14              | Town Facilities  | Public Safety Dispatch - Update          | \$ 60,000         |                   |                   |                   |                   | Capital Asset  |
| 15              | Town Facilities  | Municipal Building Exterior Repairs      | \$ 25,000         | \$ 25,000         | \$ 25,000         | \$ 25,000         | \$ 25,000         | Capital Asset  |
| 16              | Town Facilities  | Paint Police Station/Roof Repairs        |                   | \$ 20,000         |                   | \$ 50,000         |                   | Capital Asset  |
| 17              | Town Facilities  | Country Club Roof                        |                   | \$ 50,000         |                   |                   |                   | Capital Asset  |
| 18              | Town Facilities  | Police Station Parking Lot               | \$ 40,000         |                   |                   |                   |                   | Capital Asset  |
| 19              | Transfer Station | Tractor Trailer Unit/Trash Trailer       | \$ 90,000         | \$ 140,000        | \$ 90,000         |                   |                   | Capital Asset  |
| 20              | Transfer Station | Baler                                    |                   |                   |                   | \$ 60,000         |                   | Capital Asset  |
| 21              | Library          | Carpet Replacement                       |                   |                   |                   |                   | \$ 20,000         | Capital Asset  |
| 22              | Library          | Exterior Building and Parking Lot Lights | \$ 30,000         |                   |                   |                   |                   | Capital Asset  |
| 23              | Library          | Emergency Exit Walkway Safety            |                   | \$ 40,000         |                   |                   |                   | Capital Asset  |
| 24              | Library          | New Gutter/Repair Water Damage           |                   |                   | \$ 50,000         |                   |                   | Capital Asset  |
| 25              | Library          | Upgrade Building Alarm System            |                   | \$ 20,000         |                   |                   |                   | Capital Asset  |
| 26              | Library          | New Self-Check All-In-One Stations       |                   |                   | \$ 40,000         |                   |                   | Capital Asset  |
| 27              | Library          | Reconstruct Parking Lot                  |                   |                   |                   | \$ 80,000         |                   | Capital Asset  |
| 29              | Park Department  | Property Improvements                    |                   | \$ 50,000         |                   | \$ 50,000         |                   | Capital Asset  |
| 30              | Park Department  | Cow Pond Brook Walking Track             |                   |                   |                   |                   | \$ 140,000        | Capital Asset  |
| 31              | Police           | Police Cruisers                          | \$ 91,092         | \$ 92,458         | \$ 93,845         | \$ 95,253         | \$ 96,682         | Capital Asset  |
| 32              | Police           | ATV                                      | \$ 18,000         |                   |                   |                   |                   | Capital Asset  |
| 33              | Country Club     | Golf Carts                               |                   |                   |                   | \$ 20,000         | \$ 20,000         | Capital Asset  |
| 34              | Country Club     | Cart Path and Tee Box Reconstruction     |                   | \$ 30,000         |                   | \$ 30,000         |                   | Capital Asset  |
| 35              | Country Club     | Boom Sprayer Unit                        | \$ 6,500          |                   |                   |                   |                   | Capital Asset  |
| 36              | Country Club     | Triplex - Greens Mower                   | \$ 5,100          | \$ 5,100          | \$ 5,100          | \$ 5,100          |                   | Capital Asset  |
| 37              | Country Club     | Drainage Improvements                    |                   |                   | \$ 25,000         |                   |                   | Capital Asset  |
| <b>Subtotal</b> |                  |  | <b>\$ 475,692</b> | <b>\$ 697,558</b> | <b>\$ 728,945</b> | <b>\$ 725,353</b> | <b>\$ 501,682</b> |                |

Town of Groton, Massachusetts  
CAPITAL PLAN  
2018 - 2022

**LISTING OF PROJECTS BY FUNDING SOURCE (CONTINUED)**

**WATER REVENUE**

| Page            | Program          | Description                            | Cost 2018         | Cost 2019   | Cost 2020   | Cost 2021   | Cost 2022           | Funding Source |
|-----------------|------------------|--|-------------------|-------------|-------------|-------------|---------------------|----------------|
| 38              | Water Department | Whitney Pond - Electrical/Pump Upgrade | \$ 250,000        |             |             |             |                     | Water Revenue  |
| 39              | Water Department | Shattuck Well                          |                   |             |             |             | \$ 3,300,000        | Water Revenue  |
| <b>Subtotal</b> |                  |  | <b>\$ 250,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 3,300,000</b> |                |

**SEWER REVENUE**

| Page            | Program          | Description                         | Cost 2018   | Cost 2019   | Cost 2020   | Cost 2021           | Cost 2022            | Funding Source    |
|-----------------|------------------|-------------------------------------|-------------|-------------|-------------|---------------------|----------------------|-------------------|
| 40              | Sewer Department | Lost Lake Sewer System              |             |             |             |                     | \$ 14,500,000        | Sewer Betterments |
| 41              | Sewer Department | Wastewater Treatment Plant Upgrades |             |             |             | \$ 1,250,000        |                      | Sewer Revenue     |
| <b>Subtotal</b> |                  |                                     | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,250,000</b> | <b>\$ 14,500,000</b> |                   |

**AMBULANCE FUND**

| Page            | Program      | Description                      | Cost 2018        | Cost 2019   | Cost 2020         | Cost 2021   | Cost 2022         | Funding Source |
|-----------------|--------------|----------------------------------|------------------|-------------|-------------------|-------------|-------------------|----------------|
| 6               | Fire and EMS | Ambulance 2 Replacement          |                  |             |                   |             | \$ 325,000        | Ambulance Fund |
| 7               | Fire and EMS | SCBA Compressor for Headquarters | \$ 41,000        |             |                   |             |                   | Ambulance Fund |
| 4               | Fire and EMS | Engine 3 Replacement             |                  |             | \$ 558,000        |             |                   | Ambulance Fund |
| <b>Subtotal</b> |              |                                  | <b>\$ 41,000</b> | <b>\$ -</b> | <b>\$ 558,000</b> | <b>\$ -</b> | <b>\$ 325,000</b> |                |

|  |                     |                   |                     |                     |                      |
|--|---------------------|-------------------|---------------------|---------------------|----------------------|
| <b>Capital Improvement Program Total</b> | <b>\$ 7,761,692</b> | <b>\$ 737,558</b> | <b>\$ 1,326,945</b> | <b>\$ 2,015,353</b> | <b>\$ 18,666,682</b> |
|--|---------------------|-------------------|---------------------|---------------------|----------------------|

Town of Groton, Massachusetts  
CAPITAL PLAN  
Fiscal Years 2017 - 2022

|                     |                                  | APPROVED         |                     |             |                   |                   |                   |                     |                |
|---------------------|----------------------------------|------------------|---------------------|-------------|-------------------|-------------------|-------------------|---------------------|----------------|
| Page                | Description                      | FY 2017          | FY 2018             | FY 2019     | FY 2020           | FY 2021           | FY 2022           | Five Year Total     | Funding Source |
| <b>FIRE AND EMS</b> |                                  |                  |                     |             |                   |                   |                   |                     |                |
|                     | Swap Loader                      | \$ 35,000        |                     |             |                   |                   |                   | \$ -                | Capital Asset  |
|                     | Fire Boat                        | \$ 16,000        |                     |             |                   |                   |                   | \$ -                | EMS Fund       |
| 1                   | Ladder 1 Replacement             |                  | \$ 995,000          |             |                   |                   |                   | \$ 995,000          | Bond           |
| 2                   | Engine 5 Refurbishment           |                  |                     |             | \$ 210,000        |                   |                   | \$ 210,000          | Capital Asset  |
| 3                   | Service 1 Replacement            |                  |                     |             | \$ 50,000         |                   |                   | \$ 50,000           | Capital Asset  |
| 4                   | Engine 3 Replacement             |                  |                     |             | \$ 558,000        |                   |                   | \$ 558,000          | EMS Fund       |
| 5                   | Engine 1 Refurbishment           |                  |                     |             |                   | \$ 210,000        |                   | \$ 210,000          | Capital Asset  |
| 6                   | Ambulance 2 Replacement          |                  |                     |             |                   |                   | \$ 325,000        | \$ 325,000          | EMS Fund       |
| 7                   | SCBA Compressor for Headquarters |                  | \$ 41,000           |             |                   |                   |                   | \$ 41,000           | EMS Fund       |
| <b>Subtotal</b>     |                                  | <b>\$ 51,000</b> | <b>\$ 1,036,000</b> | <b>\$ -</b> | <b>\$ 818,000</b> | <b>\$ 210,000</b> | <b>\$ 325,000</b> | <b>\$ 2,389,000</b> |                |



# TOWN OF GROTON CAPITAL PLAN -

# PROJECT DETAIL SHEET

Project Title: **LADDER 1 REPLACEMENT**

Department: **FIRE/EMS**

Reason for Need:

As part of the fleet reduction plan the Town of Groton would be best served by replacement of two trucks in FY18. Over the lifetime of the ladder truck, the Groton Fire Department has spent approximately \$100,000 in maintenance and repair funds to keep it operating. This rate of over \$7,500 per year on average is much greater than what should be expected considering the age of the truck. An evaluation of the ladder by two separate companies estimated a basic refurbishment would cost \$250,000-\$300,000 to gain an estimated 10 years of life. This would be an exercise in throwing good money after bad as the results can vary. Simultaneously Engine 2 is seeing the effects of aging requiring replacement in the FY 18-19 range at a cost of about \$445,000. Because of these multiple needs, it would benefit the Groton Fire Department to reduce the fleet combining these units into one multi-functional apparatus. The long term cost of replacing or maintaining the trucks will be significantly more than the 2 for 1 replacement. The cost to replace the ladder would be around \$900,000 and needs to be done within the next 5 years with a new truck with an expected lifetime of 25 years. This would have a combined cost to the town of \$1,345,000 along with maintenance of the two trucks going forward.



## RECOMMENDED FINANCING

|                              | SOURCE<br>OF FUNDS | FY 2018           | FY 2019     | FY 2020     | FY 2021     | FY 2022     | TOTAL<br>COST     |
|------------------------------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
| A. Feasibility Study         |                    | .                 |             |             |             |             | \$ -              |
| B. Design                    |                    |                   |             |             |             |             | \$ -              |
| C. Land Acquisition          |                    |                   |             |             |             |             | \$ -              |
| D. Construction              |                    |                   |             |             |             |             | \$ -              |
| E. Furnishings and Equipment |                    |                   |             |             |             |             | \$ -              |
| F. Departmental Equipment    | GB                 | \$ 995,000        |             |             |             |             | \$ 995,000        |
| G. Contingency               |                    |                   |             |             |             |             | \$ -              |
| H. Other                     |                    |                   |             |             |             |             | \$ -              |
| <b>TOTAL:</b>                |                    | <b>\$ 995,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 995,000</b> |

Sources of Funds Legend:

(OR) Operating Revenues      (CA) Capital Asset Fund      (EMS) EMS Fund Fees      (SE) Sewer Enterprise Fund Fees  
 (GB) General Obligation Bond      (ST) Stabilization Fund      (FC) Free Cash/Other      (WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **ENGINE 5 REFURBISHMENT**Department: **FIRE/EMS**

Reason for Need:

Engine 5 is a truck that is currently in good condition thus making it a prime candidate for refurbishment. This apparatus would be well served to undergo a refurbishment at the 10-12 year mark of its life in order to extend the overall life by around 15 years. Proactive refurbishment can save significant money on major unexpected repairs and lengthen the life of the truck.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020    | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|------------|---------|---------|---------------|
| A. Feasibility Study         |                    |         |         |            |         |         | \$ -          |
| B. Design                    |                    |         |         |            |         |         | \$ -          |
| C. Land Acquisition          |                    |         |         |            |         |         | \$ -          |
| D. Construction              |                    |         |         |            |         |         | \$ -          |
| E. Furnishings and Equipment |                    |         |         |            |         |         | \$ -          |
| F. Departmental Equipment    | CA                 |         |         | \$ 210,000 |         |         | \$ 210,000    |
| G. Contingency               |                    |         |         |            |         |         | \$ -          |
| H. Other                     |                    |         |         |            |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ 210,000 | \$ -    | \$ -    | \$ 210,000    |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **SERVICE 1 REPLACEMENT**Department: **FIRE/EMS**

Reason for Need:

The service truck is used by the duty staff to answer lower priority calls during the day and night hours. By utilizing the service truck, it saves the number of times that larger apparatus need to respond to emergencies. Having a couple smaller vehicles ultimately prolongs the life of front line apparatus thus saving maintenance and replacement costs.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020   | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|-----------|---------|---------|---------------|
| A. Feasibility Study         |                    | .       |         |           |         |         | \$ -          |
| B. Design                    |                    |         |         |           |         |         | \$ -          |
| C. Land Acquisition          |                    |         |         |           |         |         | \$ -          |
| D. Construction              |                    |         |         |           |         |         | \$ -          |
| E. Furnishings and Equipment |                    |         |         |           |         |         | \$ -          |
| F. Departmental Equipment    | CA                 |         |         | \$ 50,000 |         |         | \$ 50,000     |
| G. Contingency               |                    |         |         |           |         |         | \$ -          |
| H. Other                     |                    |         |         |           |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ 50,000 | \$ -    | \$ -    | \$ 50,000     |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **ENGINE 3 REPLACEMENT**Department: **FIRE/EMS**

Reason for Need:

The second major reduction in the fleet will occur with the replacement of Engine 3 and Rescue 1. Like the Ladder and Engine 2, a truck can be designed to meet the multi-role aspect of today and tomorrow's fire service. At a cost today of \$558,000 the rescue-pumps of the future allow incredible multi-role capability that will work equally well at fighting fires, but also be able to carry the equipment seen on a conventional rescue truck. The replacement of these two trucks separately would cost \$875,000 or more yielding a significant savings in capital costs.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020    | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|------------|---------|---------|---------------|
| A. Feasibility Study         |                    |         |         |            |         |         | \$ -          |
| B. Design                    |                    |         |         |            |         |         | \$ -          |
| C. Land Acquisition          |                    |         |         |            |         |         | \$ -          |
| D. Construction              |                    |         |         |            |         |         | \$ -          |
| E. Furnishings and Equipment |                    |         |         |            |         |         | \$ -          |
| F. Departmental Equipment    | EMS                |         |         | \$ 558,000 |         |         | \$ 558,000    |
| G. Contingency               |                    |         |         |            |         |         | \$ -          |
| H. Other                     |                    |         |         |            |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ 558,000 | \$ -    | \$ -    | \$ 558,000    |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **ENGINE 1 REFURBISHMENT**Department: **FIRE/EMS**

Reason for Need:

Engine 1 is a truck that is currently in good condition thus making it a prime candidate for a refurbishment to extend its life. Due to its level of use, the refurbishment would be best served earlier than with other apparatus to minimize corrosion caused by salt and other weather. This apparatus would be well served to undergo a refurbishment to extend its life in the FY2021 timeframe. Proactive refurbishment before major issues occur can save significant money on major unexpected repairs and lengthen the life of the truck.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020 | FY 2021    | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|---------|------------|---------|---------------|
| A. Feasibility Study         |                    | .       |         |         |            |         | \$ -          |
| B. Design                    |                    |         |         |         |            |         | \$ -          |
| C. Land Acquisition          |                    |         |         |         |            |         | \$ -          |
| D. Construction              |                    |         |         |         |            |         | \$ -          |
| E. Furnishings and Equipment |                    |         |         |         |            |         | \$ -          |
| F. Departmental Equipment    | CA                 |         |         |         | \$ 210,000 |         | \$ 210,000    |
| G. Contingency               |                    |         |         |         |            |         | \$ -          |
| H. Other                     |                    |         |         |         |            |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ -    | \$ 210,000 | \$ -    | \$ 210,000    |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **Ambulance 2**Department: **FIRE/EMS**

Reason for Need:

A-2 is a 2012 ambulance that is due for regular replacement in FY2022.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022    | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|---------|---------|------------|---------------|
| A. Feasibility Study         |                    | .       |         |         |         |            | \$ -          |
| B. Design                    |                    |         |         |         |         |            | \$ -          |
| C. Land Acquisition          |                    |         |         |         |         |            | \$ -          |
| D. Construction              |                    |         |         |         |         |            | \$ -          |
| E. Furnishings and Equipment |                    |         |         |         |         |            | \$ -          |
| F. Departmental Equipment    | EMS                |         |         |         |         | \$ 325,000 | \$ 325,000    |
| G. Contingency               |                    |         |         |         |         |            | \$ -          |
| H. Other                     |                    |         |         |         |         |            | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 325,000 | \$ 325,000    |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **SCBA Compressor**Department: **FIRE/EMS**

## Reason for Need:

The breathing air compressor currently in use by the Groton Fire Department was originally built in 1976. This compressor was purchased second hand and has undergone several rehabs over the years. Currently parts are difficult to obtain and firefighters need to fill bottles in the West Groton Station.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018          | FY 2019     | FY 2020     | FY 2021     | FY 2022     | TOTAL<br>COST    |
|------------------------------|--------------------|------------------|-------------|-------------|-------------|-------------|------------------|
| A. Feasibility Study         |                    |                  |             |             |             |             | \$ -             |
| B. Design                    |                    |                  |             |             |             |             | \$ -             |
| C. Land Acquisition          |                    |                  |             |             |             |             | \$ -             |
| D. Construction              |                    |                  |             |             |             |             | \$ -             |
| E. Furnishings and Equipment |                    |                  |             |             |             |             | \$ -             |
| F. Departmental Equipment    | EMS                | \$ 41,000        |             |             |             |             | \$ 41,000        |
| G. Contingency               |                    |                  |             |             |             |             | \$ -             |
| H. Other                     |                    |                  |             |             |             |             | \$ -             |
| <b>TOTAL:</b>                |                    | <b>\$ 41,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 41,000</b> |

## Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

Town of Groton, Massachusetts  
CAPITAL PLAN  
Fiscal Years 2017 - 2022

|          |                         | APPROVED  |           |            |            |            |            |                                     |
|----------|-------------------------|-----------|-----------|------------|------------|------------|------------|-------------------------------------|
| Page     | Description             | FY 2017   | FY 2018   | FY 2019    | FY 2020    | FY 2021    | FY 2022    | Five Year Total      Funding Source |
| HIGHWAY  |                         |           |           |            |            |            |            |                                     |
| 8        | Pick-Up Trucks          | \$ 30,000 |           | \$ 40,000  |            | \$ 40,000  |            | \$ 80,000      General Fund         |
| 9        | Brush Mower/Field Mower | \$ 45,000 |           |            | \$ 45,000  |            |            | \$ 45,000      Capital Asset        |
| 10       | Intermediate Truck      |           | \$ 70,000 |            |            | \$ 60,000  |            | \$ 130,000      Capital Asset       |
| 11       | Dump Truck              |           |           | \$ 185,000 |            |            | \$ 200,000 | \$ 385,000      Capital Asset       |
| 12       | Backhoe                 |           |           |            | \$ 95,000  |            |            | \$ 95,000      Capital Asset        |
| Subtotal |                         | \$ 75,000 | \$ 70,000 | \$ 225,000 | \$ 140,000 | \$ 100,000 | \$ 200,000 | \$ 735,000                          |

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **PICK-UP TRUCK**Department: **HIGHWAY**

Reason for Need:

These are scheduled replacements. The average life of a pick-up truck is approximately 7 years. By replacing one vehicle every couple of years, this will allow the fleet to stay in good shape. They are front line pick-ups used for day to day operations as well as snow plowing.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019   | FY 2020 | FY 2021   | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|-----------|---------|-----------|---------|---------------|
| A. Feasibility Study         |                    | .       |           |         |           |         | \$ -          |
| B. Design                    |                    |         |           |         |           |         | \$ -          |
| C. Land Acquisition          |                    |         |           |         |           |         | \$ -          |
| D. Construction              |                    |         |           |         |           |         | \$ -          |
| E. Furnishings and Equipment |                    |         |           |         |           |         | \$ -          |
| F. Departmental Equipment    | CA                 |         | \$ 40,000 |         | \$ 40,000 |         | \$ 80,000     |
| G. Contingency               |                    |         |           |         |           |         | \$ -          |
| H. Other                     |                    |         |           |         |           |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ 40,000 | \$ -    | \$ 40,000 | \$ -    | \$ 80,000     |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **BRUSH MOWER/FIELD MOWER**Department: **HIGHWAY**

Reason for Need:

This item is scheduled for replacement in 2020 while it still has value. The proposed price is half the cost of the equipment. This should be considered normal replacement of equipment.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020   | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|-----------|---------|---------|---------------|
| A. Feasibility Study         |                    | .       |         |           |         |         | \$ -          |
| B. Design                    |                    |         |         |           |         |         | \$ -          |
| C. Land Acquisition          |                    |         |         |           |         |         | \$ -          |
| D. Construction              |                    |         |         |           |         |         | \$ -          |
| E. Furnishings and Equipment |                    |         |         |           |         |         | \$ -          |
| F. Departmental Equipment    | CA                 |         |         | \$ 45,000 |         |         | \$ 45,000     |
| G. Contingency               |                    |         |         |           |         |         | \$ -          |
| H. Other                     |                    |         |         |           |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ 45,000 | \$ -    | \$ -    | \$ 45,000     |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **INTERMEDIATE TRUCK**Department: **HIGHWAY**

Reason for Need:

This size truck was introduced into the Town's fleet a couple of years ago to save wear and tear on the dump trucks and pickup trucks by not overloading them. This has worked out very well. They are used almost daily for tasks such as patching and road construction projects right up to plowing roads. They do not have sanders on them, just plows. They take up less room and eliminate the need for a large vehicle which makes it safer for the employees as well as the motoring public. The scheduled replacement vehicles will be 14 years old at the time of replacement.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018          | FY 2019     | FY 2020     | FY 2021          | FY 2022     | TOTAL<br>COST     |
|------------------------------|--------------------|------------------|-------------|-------------|------------------|-------------|-------------------|
| A. Feasibility Study         |                    | .                |             |             |                  |             | \$ -              |
| B. Design                    |                    |                  |             |             |                  |             | \$ -              |
| C. Land Acquisition          |                    |                  |             |             |                  |             | \$ -              |
| D. Construction              |                    |                  |             |             |                  |             | \$ -              |
| E. Furnishings and Equipment |                    |                  |             |             |                  |             | \$ -              |
| F. Departmental Equipment    | CA                 | \$ 70,000        |             |             | \$ 60,000        |             | \$ 130,000        |
| G. Contingency               |                    |                  |             |             |                  |             | \$ -              |
| H. Other                     |                    |                  |             |             |                  |             | \$ -              |
| <b>TOTAL:</b>                |                    | <b>\$ 70,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 60,000</b> | <b>\$ -</b> | <b>\$ 130,000</b> |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **DUMP TRUCK**Department: **HIGHWAY**

Reason for Need:

These vehicles will be scheduled replacements of front line trucks responsible for plowing and sanding as well as normal construction duties. The truck that will be replaced in FY 2019 will be determined at the time of replacement, as will the truck in FY 2022.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019    | FY 2020 | FY 2021 | FY 2022    | TOTAL<br>COST |
|------------------------------|--------------------|---------|------------|---------|---------|------------|---------------|
| A. Feasibility Study         |                    |         |            |         |         |            | \$ -          |
| B. Design                    |                    |         |            |         |         |            | \$ -          |
| C. Land Acquisition          |                    |         |            |         |         |            | \$ -          |
| D. Construction              |                    |         |            |         |         |            | \$ -          |
| E. Furnishings and Equipment |                    |         |            |         |         |            | \$ -          |
| F. Departmental Equipment    | CA                 |         | \$ 185,000 |         |         | \$ 200,000 | \$ 385,000    |
| G. Contingency               |                    |         |            |         |         |            | \$ -          |
| H. Other                     |                    |         |            |         |         |            | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ 185,000 | \$ -    | \$ -    | \$ 200,000 | \$ 385,000    |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **BACK HOE**Department: **HIGHWAY**

Reason for Need:

This will be a scheduled replacement of a front line piece of equipment. It is used almost daily for tasks ranging from loading trucks, installing pipes and catch basins, tree work and plowing snow. The machine to be replaced will be 17 years old at this time. It is essential to have this machine as reliable and safe as possible as it is used over the road and works across and in the road daily.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020   | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|-----------|---------|---------|---------------|
| A. Feasibility Study         |                    |         |         |           |         |         | \$ -          |
| B. Design                    |                    |         |         |           |         |         | \$ -          |
| C. Land Acquisition          |                    |         |         |           |         |         | \$ -          |
| D. Construction              |                    |         |         |           |         |         | \$ -          |
| E. Furnishings and Equipment |                    |         |         |           |         |         | \$ -          |
| F. Departmental Equipment    | CA                 |         |         | \$ 95,000 |         |         | \$ 95,000     |
| G. Contingency               |                    |         |         |           |         |         | \$ -          |
| H. Other                     |                    |         |         |           |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ 95,000 | \$ -    | \$ -    | \$ 95,000     |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



Town of Groton, Massachusetts  
CAPITAL PLAN  
Fiscal Years 2017 - 2022

|                                  |                                      | APPROVED          |                   |                   |                  |                   |                  |                   |                   |
|----------------------------------|--------------------------------------|-------------------|-------------------|-------------------|------------------|-------------------|------------------|-------------------|-------------------|
| Page                             | Description                          | FY 2017           | FY 2018           | FY 2019           | FY 2020          | FY 2021           | FY 2022          | Five Year Total   | Funding Source    |
| <b>TOWN MUNICIPAL FACILITIES</b> |                                      |                   |                   |                   |                  |                   |                  |                   |                   |
| 13                               | IT Infrastructure/Computer Purchase  | \$ 50,000         | \$ 40,000         | \$ 40,000         | \$ 40,000        | \$ 40,000         | \$ 40,000        | \$ 200,000        | Capital & General |
| 14                               | Public Safety Dispatch (Update)      |                   | \$ 60,000         |                   |                  |                   |                  | \$ 60,000         | Capital Asset     |
| 15                               | Municipal Buildings Exterior Repairs |                   | \$ 25,000         | \$ 25,000         | \$ 25,000        | \$ 25,000         | \$ 25,000        | \$ 125,000        | Capital Asset     |
| 16                               | Paint Police Station/Roof Repairs    |                   |                   | \$ 20,000         |                  | \$ 50,000         |                  | \$ 70,000         | Capital Asset     |
|                                  | Building Security                    | \$ 60,000         |                   |                   |                  |                   |                  | \$ -              | Capital Asset     |
| 17                               | Country Club Roof                    |                   |                   | \$ 50,000         |                  |                   |                  | \$ 50,000         | Capital Asset     |
| 18                               | Police Station Parking Lot           |                   | \$ 40,000         |                   |                  |                   |                  | \$ 40,000         | Capital Asset     |
| <b>Subtotal</b>                  |                                      | <b>\$ 110,000</b> | <b>\$ 165,000</b> | <b>\$ 135,000</b> | <b>\$ 65,000</b> | <b>\$ 115,000</b> | <b>\$ 65,000</b> | <b>\$ 545,000</b> |                   |

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **IT INFRASTRUCTURE/COMPUTER PURCHASE**Department: **TOWN MUNICIPAL FACILITIES**

Reason for Need:

This item in the Capital Budget was established six years ago and has been very successful. In Fiscal Year 2018, the following items will be purchased/upgraded with this allocation: Ten (10) new computers; replace aging servers and storage arrays with newer equipment; investment to expand the network and keep equipment and maintenance costs current; and network switch upgres and increased wireless coverage.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018   | FY 2019   | FY 2020   | FY 2021   | FY 2022   | TOTAL<br>COST |
|------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|---------------|
| A. Feasibility Study         |                    | .         |           |           |           |           | \$ -          |
| B. Design                    |                    |           |           |           |           |           | \$ -          |
| C. Land Acquisition          |                    |           |           |           |           |           | \$ -          |
| D. Construction              |                    |           |           |           |           |           | \$ -          |
| E. Furnishings and Equipment |                    |           |           |           |           |           | \$ -          |
| F. Departmental Equipment    | CA                 | \$ 40,000 | \$ 40,000 | \$ 40,000 | \$ 40,000 | \$ 40,000 | \$ 200,000    |
| G. Contingency               |                    |           |           |           |           |           | \$ -          |
| H. Other                     |                    |           |           |           |           |           | \$ -          |
| <b>TOTAL:</b>                |                    | \$ 40,000 | \$ 40,000 | \$ 40,000 | \$ 40,000 | \$ 40,000 | \$ 200,000    |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **PUBLIC SAFETY DISPATCH (UPDATE)**Department: **TOWN MUNICIPAL FACILITIES**Reason for Need:

The Public Safety Dispatch center was recently upgraded and remodeled in FY 2010 with Grant funds obtained by the Town. In order to keep the Public Safety Dispatch Center up to date and current, it is proposed that another update/remodel take place in 2018. It would be the Town's intention to apply for further Public Safety Grants to pay for this update, but it needs to be planned for in the Capital Improvement Plan.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018          | FY 2019     | FY 2020     | FY 2021     | FY 2022     | TOTAL<br>COST    |
|------------------------------|--------------------|------------------|-------------|-------------|-------------|-------------|------------------|
| A. Feasibility Study         |                    | .                |             |             |             |             | \$ -             |
| B. Design                    |                    |                  |             |             |             |             | \$ -             |
| C. Land Acquisition          |                    |                  |             |             |             |             | \$ -             |
| D. Construction              | CA                 | \$ 60,000        |             |             |             |             | \$ 60,000        |
| E. Furnishings and Equipment |                    |                  |             |             |             |             | \$ -             |
| F. Departmental Equipment    |                    |                  |             |             |             |             | \$ -             |
| G. Contingency               |                    |                  |             |             |             |             | \$ -             |
| H. Other                     |                    |                  |             |             |             |             | \$ -             |
| <b>TOTAL:</b>                |                    | <b>\$ 60,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 60,000</b> |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**

Project Title: Municipal Building Exterior Repairs

Department: **TOWN MUNICIPAL FACILITIES**Reason for Need:

This appropriation will be used to continue to maintain all municipal buildings by performing various maintenance activities to prevent major breakdowns in our municipal building infrastructure. Priorities continue to change when it comes to the minor repairs and upgrades in our municipal buildings. With a set line item which is separate from minor capital, we can be flexible and change our priorities instead of just doing it because it is on a list. Furnaces, a/c units, flooring and painting are some of the small items this capital program could handle with the flexibility we need.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018   | FY 2019   | FY 2020   | FY 2021   | FY 2022   | TOTAL<br>COST |
|------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|---------------|
| A. Feasibility Study         |                    |           |           |           |           |           | \$ -          |
| B. Design                    |                    |           |           |           |           |           | \$ -          |
| C. Land Acquisition          |                    |           |           |           |           |           | \$ -          |
| D. Construction              | CA                 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 125,000    |
| E. Furnishings and Equipment |                    |           |           |           |           |           | \$ -          |
| F. Departmental Equipment    |                    |           |           |           |           |           | \$ -          |
| G. Contingency               |                    |           |           |           |           |           | \$ -          |
| H. Other                     |                    |           |           |           |           |           | \$ -          |
| <b>TOTAL:</b>                |                    | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 125,000    |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **PAINT POLICE STATION/ROOF REPAIRS**Department: **TOWN MUNICIPAL FACILITIES**Reason for Need:

The Police Station was painted seven years ago. It will be scheduled to be repainted in Fiscal Year 2019. This will help maintain the building and add to its longevity. In addition, the roof of the building will need to be replaced as it is coming up on 25 years since it was first constructed.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019   | FY 2020 | FY 2021   | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|-----------|---------|-----------|---------|---------------|
| A. Feasibility Study         |                    | .       |           |         |           |         | \$ -          |
| B. Design                    |                    |         |           |         |           |         | \$ -          |
| C. Land Acquisition          |                    |         |           |         |           |         | \$ -          |
| D. Construction              | CA                 |         | \$ 20,000 |         | \$ 50,000 |         | \$ 70,000     |
| E. Furnishings and Equipment |                    |         |           |         |           |         | \$ -          |
| F. Departmental Equipment    |                    |         |           |         |           |         | \$ -          |
| G. Contingency               |                    |         |           |         |           |         | \$ -          |
| H. Other                     |                    |         |           |         |           |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ 20,000 | \$ -    | \$ 50,000 | \$ -    | \$ 70,000     |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **COUNTRY CLUB ROOF**Department: **TOWN MUNICIPAL FACILITIES**

Reason for Need:

This is going to be a needed replacement of the roof on main building. The Tavern Building's roof was repaired 3 years ago. The back of the main building is in reasonable shape, but the front of the building is need of replacement.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019   | FY 2020 | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|-----------|---------|---------|---------|---------------|
| A. Feasibility Study         |                    | .       |           |         |         |         | \$ -          |
| B. Design                    |                    |         |           |         |         |         | \$ -          |
| C. Land Acquisition          |                    |         |           |         |         |         | \$ -          |
| D. Construction              | CA                 |         | \$ 50,000 |         |         |         | \$ 50,000     |
| E. Furnishings and Equipment |                    |         |           |         |         |         | \$ -          |
| F. Departmental Equipment    |                    |         |           |         |         |         | \$ -          |
| G. Contingency               |                    |         |           |         |         |         | \$ -          |
| H. Other                     |                    |         |           |         |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ 50,000 | \$ -    | \$ -    | \$ -    | \$ 50,000     |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **POLICE STATION PARKING LOT**Department: **TOWN MUNICIPAL FACILITIES**

**Reason for Need:** The parking lot at the Police Station has never been repaved since the original construction almost twenty years ago. The parking lot is breaking apart in several areas. In addition, the brick center around the Flag Pole is beginning to breakdown and needs to be removed. By relocating the flag pole and paving this section as well will provide a better flow of traffic and additional parking that is sorely needed at the Station. More repairs and improvements are coming to light as we grow and the added expense of this repaving is going to cost more than we can do in house without stretching it out for several years. This item has been moved to the top of our capital list in building maintenance.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018   | FY 2019 | FY 2020 | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|-----------|---------|---------|---------|---------|---------------|
| A. Feasibility Study         |                    | .         |         |         |         |         | \$ -          |
| B. Design                    |                    |           |         |         |         |         | \$ -          |
| C. Land Acquisition          |                    |           |         |         |         |         | \$ -          |
| D. Construction              |                    |           |         |         |         |         | \$ -          |
| E. Furnishings and Equipment |                    |           |         |         |         |         | \$ -          |
| F. Departmental Equipment    |                    |           |         |         |         |         | \$ -          |
| G. Contingency               |                    |           |         |         |         |         | \$ -          |
| H. Other                     | CA                 | \$ 40,000 |         |         |         |         | \$ 40,000     |
| <b>TOTAL:</b>                |                    | \$ 40,000 | \$ -    | \$ -    | \$ -    | \$ -    | \$ 40,000     |

Sources of Funds Legend:

|                              |                         |                      |                                 |
|------------------------------|-------------------------|----------------------|---------------------------------|
| (OR) Operating Revenues      | (CA) Capital Asset Fund | (EMS) EMS Fund Fees  | (SE) Sewer Enterprise Fund Fees |
| (GB) General Obligation Bond | (ST) Stabilization Fund | (FC) Free Cash/Other | (WE) Water Enterprise Fund Fees |

FY 2018 - FY 2022

Capital Plan

Town of Groton, Massachusetts  
CAPITAL PLAN  
Fiscal Years 2017 - 2022

|                  |                                    | APPROVED  |           |            |           |           |         |                 |                |
|------------------|------------------------------------|-----------|-----------|------------|-----------|-----------|---------|-----------------|----------------|
| Page             | Description                        | FY 2017   | FY 2018   | FY 2019    | FY 2020   | FY 2021   | FY 2022 | Five Year Total | Funding Source |
| TRANSFER STATION |                                    |           |           |            |           |           |         |                 |                |
| 19               | Tractor Trailer Unit/Trash Trailer |           | \$ 90,000 | \$ 140,000 | \$ 90,000 |           |         | \$ 320,000      | Capital Asset  |
| 20               | Baler                              | \$ 40,000 |           |            |           | \$ 60,000 |         | \$ 60,000       | Capital Asset  |
| Subtotal         |                                    | \$ 40,000 | \$ 90,000 | \$ 140,000 | \$ 90,000 | \$ 60,000 | \$ -    | \$ 380,000      |                |

**TOWN OF GROTON CAPITAL PLAN -**
**PROJECT DETAIL SHEET**

Project Title: **TRACTOR TRAILER UNIT/TRASH TRAILER**

Department: **TRANSFER STATION**

Reason for Need:

This will be a scheduled replacement of the existing 2004 Mack Tractor. This is the primary unit that hauls the trash and recycled materials to market. The current tractor will go to the Highway Department and be converted to a large sand truck. It is anticipated that the current 10 wheel truck at Highway, will fund the conversion. In FY 2018 and FY 2020, the Department will need to replace one of the trailers used to haul the trash and purchase an addition trailer to meet the demands of the Transfer Station.


**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018          | FY 2019           | FY 2020          | FY 2021     | FY 2022     | TOTAL<br>COST     |
|------------------------------|--------------------|------------------|-------------------|------------------|-------------|-------------|-------------------|
| A. Feasibility Study         |                    | .                |                   |                  |             |             | \$ -              |
| B. Design                    |                    |                  |                   |                  |             |             | \$ -              |
| C. Land Acquisition          |                    |                  |                   |                  |             |             | \$ -              |
| D. Construction              |                    |                  |                   |                  |             |             | \$ -              |
| E. Furnishings and Equipment |                    |                  |                   |                  |             |             | \$ -              |
| F. Departmental Equipment    | CA                 | \$ 90,000        | \$ 140,000        | \$ 90,000        |             |             | \$ 320,000        |
| G. Contingency               |                    |                  |                   |                  |             |             | \$ -              |
| H. Other                     |                    |                  |                   |                  |             |             | \$ -              |
| <b>TOTAL:</b>                |                    | <b>\$ 90,000</b> | <b>\$ 140,000</b> | <b>\$ 90,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 320,000</b> |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



# TOWN OF GROTON CAPITAL PLAN -

# PROJECT DETAIL SHEET

Project Title: **BALER**

Department: **TRANSFER STATION**

Reason for Need:

Current baler is 2004 and has been rebuilt twice. This is the second highest used baler we have and is a necessity to keep producing marketable material. A rebuild may be possible, but will have to wait until we get there. Scheduled replacement 2021



## RECOMMENDED FINANCING

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020 | FY 2021   | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|---------|-----------|---------|---------------|
| A. Feasibility Study         |                    | .       |         |         |           |         | \$ -          |
| B. Design                    |                    |         |         |         |           |         | \$ -          |
| C. Land Acquisition          |                    |         |         |         |           |         | \$ -          |
| D. Construction              |                    |         |         |         |           |         | \$ -          |
| E. Furnishings and Equipment |                    |         |         |         |           |         | \$ -          |
| F. Departmental Equipment    | CA                 |         |         |         | \$ 60,000 |         | \$ 60,000     |
| G. Contingency               |                    |         |         |         |           |         | \$ -          |
| H. Other                     |                    |         |         |         |           |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ -    | \$ 60,000 | \$ -    | \$ 60,000     |

Sources of Funds Legend:

(OR) Operating Revenues      (CA) Capital Asset Fund      (EMS) EMS Fund Fees      (SE) Sewer Enterprise Fund Fees  
 (GB) General Obligation Bond      (ST) Stabilization Fund      (FC) Free Cash/Other      (WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

Town of Groton, Massachusetts  
CAPITAL PLAN  
Fiscal Years 2017 - 2022

| APPROVED        |  |                  |                  |                  |                  |                  |                  |                                     |
|-----------------|--|------------------|------------------|------------------|------------------|------------------|------------------|-------------------------------------|
| Page            | Description                              | FY 2017          | FY 2018          | FY 2019          | FY 2020          | FY 2021          | FY 2022          | Five Year Total      Funding Source |
| <b>LIBRARY</b>  |  |                  |                  |                  |                  |                  |                  |                                     |
| 21              | Carpet Replacement                       | \$ 20,000        |                  |                  |                  |                  | \$ 20,000        | \$ 20,000      Capital Asset        |
| 22              | Exterior Building and Parking Lot Lights |                  | \$ 30,000        |                  |                  |                  |                  | \$ 30,000      Capital Asset        |
| 23              | Emergency Exit Walkway Safety Improve    |                  |                  | \$ 40,000        |                  |                  |                  | \$ 40,000      Capital Asset        |
| 24              | New Gutter/Repair Water Damage           |                  |                  |                  | \$ 50,000        |                  |                  | \$ 50,000      Capital Asset        |
| 25              | Upgrade Building Alarm System            |                  |                  | \$ 20,000        |                  |                  |                  | \$ 20,000      Capital Asset        |
| 26              | New Self-Check All-In-One Stations       |                  |                  |                  | \$ 40,000        |                  |                  | \$ 40,000      Capital Asset        |
| 27              | Reconstruct Parking Lot                  |                  |                  |                  |                  | \$ 80,000        |                  | \$ 80,000      Capital Asset        |
| <b>Subtotal</b> |  | <b>\$ 20,000</b> | <b>\$ 30,000</b> | <b>\$ 60,000</b> | <b>\$ 90,000</b> | <b>\$ 80,000</b> | <b>\$ 20,000</b> | <b>\$ 280,000</b>                   |

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **CARPET REPLACEMENT**Department: **LIBRARY**Reason for Need:

The carpeting was replaced in Children's Room and Meeting Rooms Sibley Hall and the Community Room in FY2009 (our busiest rooms.) In FY 2022, these carpets will be 12 years old & expected life is 10 years.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022   | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|---------|---------|-----------|---------------|
| A. Feasibility Study         |                    | .       |         |         |         |           | \$ -          |
| B. Design                    |                    |         |         |         |         |           | \$ -          |
| C. Land Acquisition          |                    |         |         |         |         |           | \$ -          |
| D. Construction              |                    |         |         |         |         |           | \$ -          |
| E. Furnishings and Equipment |                    |         |         |         |         |           | \$ -          |
| F. Departmental Equipment    | CA                 |         |         |         |         | \$ 20,000 | \$ 20,000     |
| G. Contingency               |                    |         |         |         |         |           | \$ -          |
| H. Other                     |                    |         |         |         |         |           | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 20,000 | \$ 20,000     |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **REPLACE ALL EXTERIOR BUILDING & PARKING LOT LIGHT FIXTURES**Department: **LIBRARY**

**Reason for Need:** The 5 exterior building wall lights and 11 parking lot lamppost lights were installed in 1999. They are starting to go and both an electrician and GELD told us they could no longer be repaired - that they are simply too old and need to be replaced. One failed last year and we were told to expect them to start failing one by one, and 2-3 months ago, a second one failed. This is a safety issue, as there is no other illumination at the rear or sides of the library and it is pitch black when the lights are not on. The first light that failed is the one that illuminates the handicap parking spaces; the second failed light is the one that illuminates the walkway up to the building. The company doesn't make fixtures to retrofit these lights. We would need to replace 16 goosenecks and fixtures.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018   | FY 2019 | FY 2020 | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|-----------|---------|---------|---------|---------|---------------|
| A. Feasibility Study         |                    | .         |         |         |         |         | \$ -          |
| B. Design                    |                    |           |         |         |         |         | \$ -          |
| C. Land Acquisition          |                    |           |         |         |         |         | \$ -          |
| D. Construction              |                    |           |         |         |         |         | \$ -          |
| E. Furnishings and Equipment | CA                 | \$ 30,000 |         |         |         |         | \$ 30,000     |
| F. Departmental Equipment    |                    |           |         |         |         |         | \$ -          |
| G. Contingency               |                    |           |         |         |         |         | \$ -          |
| H. Other                     |                    |           |         |         |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ 30,000 | \$ -    | \$ -    | \$ -    | \$ -    | \$ 30,000     |

Sources of Funds Legend:

|                              |                         |                      |                                 |
|------------------------------|-------------------------|----------------------|---------------------------------|
| (OR) Operating Revenues      | (CA) Capital Asset Fund | (EMS) EMS Fund Fees  | (SE) Sewer Enterprise Fund Fees |
| (GB) General Obligation Bond | (ST) Stabilization Fund | (FC) Free Cash/Other | (WE) Water Enterprise Fund Fees |

FY 2018 - FY 2022

Capital Plan

# TOWN OF GROTON CAPITAL PLAN -

# PROJECT DETAIL SHEET

Project Title: **EMERGENCY EXIT WALK SAFETY IMPROVEMENTS: REDO PITCHED SOUTH SIDE WALK AND ADD HANDRAILS BOTH SIDES**

Department: **LIBRARY**

**Reason for Need:** The south side exterior emergency exit stairs and walk (left picture) needs to be completely redone, as it was incorrectly done the first time - it was installed so the walkway and stairs are steeply pitched - they are not level. In winter, in icy conditions, this is a nightmare and a major safety hazard - made even worse by the fact that there are only handrails for part of the stairs and walkway, when there should be handrails the entire length. The upper steps are crumbling and have already been patched and repaired, but are crumbling again. The north side (right picture) also needs hand rails the entire length of its emergency exit path, to help guide people in the darkness at night across level ground and two flights of stairs to Main Street.



## RECOMMENDED FINANCING

|                              |                 | south side |           |         |         | north side |            |
|------------------------------|-----------------|------------|-----------|---------|---------|------------|------------|
|                              | SOURCE OF FUNDS | FY 2018    | FY 2019   | FY 2020 | FY 2021 | FY 2022    | TOTAL COST |
| A. Feasibility Study         |                 | .          |           |         |         |            | \$ -       |
| B. Design                    |                 |            |           |         |         |            | \$ -       |
| C. Land Acquisition          |                 |            |           |         |         |            | \$ -       |
| D. Construction              |                 |            |           |         |         |            | \$ -       |
| E. Furnishings and Equipment | CA              |            | \$ 40,000 |         |         |            | \$ 40,000  |
| F. Departmental Equipment    |                 |            |           |         |         |            | \$ -       |
| G. Contingency               |                 |            |           |         |         |            | \$ -       |
| H. Other                     |                 |            |           |         |         |            | \$ -       |
| <b>TOTAL:</b>                |                 | \$ -       | \$ 40,000 | \$ -    | \$ -    | \$ -       | \$ 40,000  |

Sources of Funds Legend:

(OR) Operating Revenues      (CA) Capital Asset Fund      (EMS) EMS Fund Fees      (SE) Sewer Enterprise Fund Fees  
 (GB) General Obligation Bond      (ST) Stabilization Fund      (FC) Free Cash/Other      (WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **New Gutters; Repair Water Damage**Department: **Library**

Reason for Need: The 1999 bldg. specs were for copper gutters, 6-inches wide. What was installed instead was (by a company soon after defunct) copper-COLORED aluminum, THREE-inches wide gutters, with the brackets spaced too far apart. Also, a 2008 inspection notes: "The gutter is integrated with flashing to form an integrated unit that is affixed to the fascia board. The gutter is not hung separately, complicating attempts to re-hang the gutter to improve drainage." 17 years after installation, after numerous leaks and repairs, the gutters are now at the end of their useful life (15 years) and it is time to replace them and have the right size installed correctly. We would address the water damage to the building caused by the existing gutters at the same time. (north side gutter photo right)

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020   | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|-----------|---------|---------|---------------|
| A. Feasibility Study         |                    |         |         |           |         |         | \$ -          |
| B. Design                    |                    |         |         |           |         |         | \$ -          |
| C. Land Acquisition          |                    |         |         |           |         |         | \$ -          |
| D. Construction              |                    |         |         |           |         |         | \$ -          |
| E. Furnishings and Equipment |                    |         |         |           |         |         | \$ -          |
| F. Departmental Equipment    | CA                 |         |         | \$ 50,000 |         |         | \$ 50,000     |
| G. Contingency               |                    |         |         |           |         |         | \$ -          |
| H. Other                     |                    |         |         |           |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ 50,000 | \$ -    | \$ -    | \$ 50,000     |

Sources of Funds Legend:

|                              |                         |                      |                                 |
|------------------------------|-------------------------|----------------------|---------------------------------|
| (OR) Operating Revenues      | (CA) Capital Asset Fund | (EMS) EMS Fund Fees  | (SE) Sewer Enterprise Fund Fees |
| (GB) General Obligation Bond | (ST) Stabilization Fund | (FC) Free Cash/Other | (WE) Water Enterprise Fund Fees |

FY 2018 - FY 2022

Capital Plan



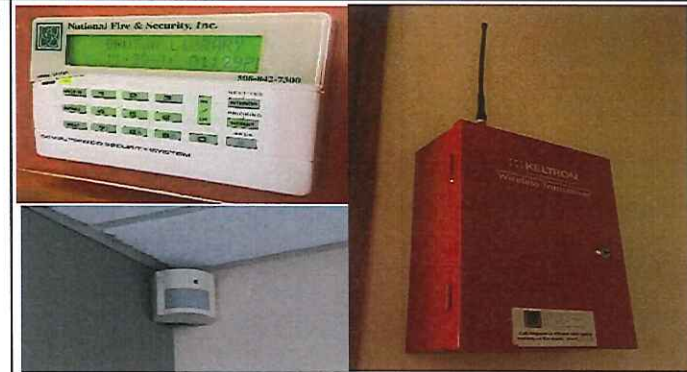
# TOWN OF GROTON CAPITAL PLAN -

# PROJECT DETAIL SHEET

Project Title: **UPGRADE BUILDING ALARM SYSTEM**

Department: **LIBRARY**

**Reason for Need:** The building alarm system was installed in 1999 and will be 20 years old in FY 2019. A Wayne Alarm Tech said that we have the technology for a "smart" system, but are running a "dumb" system instead. If a motion sensor goes off, the alarm only tells us which floor it is on, not which sensor. We continue to receive numerous false alarms every year. (Memorial Day weekend 2016, the alarm went off Saturday night, Sunday night, and Monday night. The Groton Police Dept. asked us to please do something about this.) Upgrading to a "smart" system would not only give us a lot more data with which to assess if there is an issue of a break-in or not, but the new sensors today are much less prone to false alarms.



## RECOMMENDED FINANCING

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019   | FY 2020 | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|-----------|---------|---------|---------|---------------|
| A. Feasibility Study         |                    |         |           |         |         |         | \$ -          |
| B. Design                    |                    |         |           |         |         |         | \$ -          |
| C. Land Acquisition          |                    |         |           |         |         |         | \$ -          |
| D. Construction              |                    |         |           |         |         |         | \$ -          |
| E. Furnishings and Equipment |                    |         |           |         |         |         | \$ -          |
| F. Departmental Equipment    | CA                 |         | \$ 20,000 |         |         |         | \$ 20,000     |
| G. Contingency               |                    |         |           |         |         |         | \$ -          |
| H. Other                     |                    |         |           |         |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ 20,000 | \$ -    | \$ -    | \$ -    | \$ 20,000     |

Sources of Funds Legend:

(OR) Operating Revenues      (CA) Capital Asset Fund      (EMS) EMS Fund Fees      (SE) Sewer Enterprise Fund Fees  
 (GB) General Obligation Bond      (ST) Stabilization Fund      (FC) Free Cash/Other      (WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

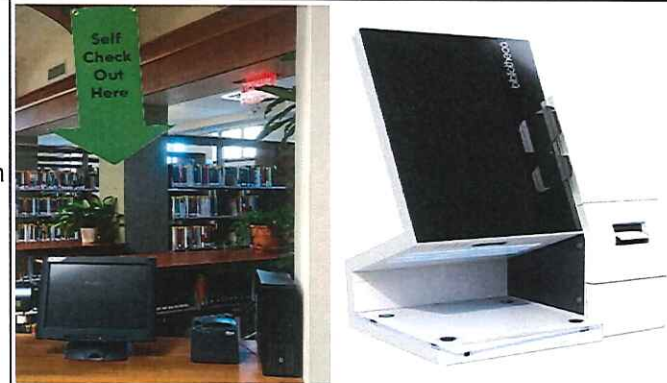
# TOWN OF GROTON CAPITAL PLAN -

# PROJECT DETAIL SHEET

Project Title: **SELF-CHECK ALL-IN-ONE STATIONS**

Department: **LIBRARY**

Reason for Need: Our 3 self-check stations (left picture) work beautifully, requiring only minimal staff maintenance. The Town paid \$22K for our current three stations (one on each floor) in FY 2011. Although they are running smoothly, they will be 9 years old in FY 2020 and will be overdue for replacement (recommended at 5 years, but they are still running well, are covered under contract if anything goes wrong, and we want to run them as long as we can.) Also, we will migrate to a new Library System in 2017, so we won't want to update self-check until well after this major change. Existing self-check today (right picture) offer many new features, including the ability to pay with a credit/debit card reader (a long overdue feature coming with our new Library System.)



## RECOMMENDED FINANCING

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020   | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|-----------|---------|---------|---------------|
| A. Feasibility Study         |                    |         |         |           |         |         | \$ -          |
| B. Design                    |                    |         |         |           |         |         | \$ -          |
| C. Land Acquisition          |                    |         |         |           |         |         | \$ -          |
| D. Construction              |                    |         |         |           |         |         | \$ -          |
| E. Furnishings and Equipment |                    |         |         |           |         |         | \$ -          |
| F. Departmental Equipment    | CA                 |         |         | \$ 40,000 |         |         | \$ 40,000     |
| G. Contingency               |                    |         |         |           |         |         | \$ -          |
| H. Other                     |                    |         |         |           |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ 40,000 | \$ -    | \$ -    | \$ 40,000     |

Sources of Funds Legend:

(OR) Operating Revenues      (CA) Capital Asset Fund      (EMS) EMS Fund Fees      (SE) Sewer Enterprise Fund Fees  
 (GB) General Obligation Bond      (ST) Stabilization Fund      (FC) Free Cash/Other      (WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



# TOWN OF GROTON CAPITAL PLAN -

# PROJECT DETAIL SHEET

Project Title: **RECONSTRUCT LIBRARY PARKING LOT**

Department: **LIBRARY**

## Reason for Need:

The parking lot behind the library has been patched and repaired, but in FY 2021 it will be 22 years old. It is worn, tired, cracking, not draining water properly, and becoming uneven in spots. It will need a full and complete redo in a few years.



## RECOMMENDED FINANCING

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020 | FY 2021   | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|---------|-----------|---------|---------------|
| A. Feasibility Study         |                    | .       |         |         |           |         | \$ -          |
| B. Design                    |                    |         |         |         |           |         | \$ -          |
| C. Land Acquisition          |                    |         |         |         |           |         | \$ -          |
| D. Construction              | CA                 |         |         |         | \$ 80,000 |         | \$ 80,000     |
| E. Furnishings and Equipment |                    |         |         |         |           |         | \$ -          |
| F. Departmental Equipment    |                    |         |         |         |           |         | \$ -          |
| G. Contingency               |                    |         |         |         |           |         | \$ -          |
| H. Other                     |                    |         |         |         |           |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ -    | \$ 80,000 | \$ -    | \$ 80,000     |

Sources of Funds Legend:

(OR) Operating Revenues      (CA) Capital Asset Fund      (EMS) EMS Fund Fees      (SE) Sewer Enterprise Fund Fees  
 (GB) General Obligation Bond      (ST) Stabilization Fund      (FC) Free Cash/Other      (WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



Town of Groton, Massachusetts  
CAPITAL PLAN  
Fiscal Years 2017 - 2022

|                  |                            | APPROVED |              |         |         |         |         |                                     |
|------------------|----------------------------|----------|--------------|---------|---------|---------|---------|-------------------------------------|
| Page             | Description                | FY 2017  | FY 2018      | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Five Year Total      Funding Source |
| COUNCIL ON AGING |                            |          |              |         |         |         |         |                                     |
| 28               | New/Renovate Senior Center |          | \$ 6,000,000 |         |         |         |         | \$ 6,000,000      Bond              |
|                  |                            |          |              |         |         |         |         | \$ -                                |
|                  |                            |          |              |         |         |         |         | \$ -                                |
| Subtotal         |                            | \$ -     | \$ 6,000,000 | \$ -    | \$ -    | \$ -    | \$ -    | \$ 6,000,000                        |

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **NEW/RENOVATE SENIOR CENTER**Department: **COUNCIL ON AGING**Reason for Need:

According to the Research Unit, Executive Office of Elder Affairs 2002 projections, it is estimated the growth of the Groton 65 years and older population will increase by 117% between the years 2000 and 2020. Referring to the town's 2013 census report, between the years 2010 – 2015 there has been a 42% growth in the senior population (60 years and older) in Groton. The Senior Center, originally designed as an American Legion and not a Senior Center, is approximately 6,000 square feet which is essentially two programming areas. There is an inability for concurrent programming due to the lack of quiet, separate space and an inability to program for large groups (80 or more) due to the size of the rooms. The accessibility of the building is sub-standard. There is no elevator in the building which requires those attending programs in the basement to enter through an outside steel door and in the event they need to attend a second program upstairs, they must do so by walking around the building, through the parking lot (in all weather conditions) and up a lengthy ramp. There are no automatic doors on the building which allow for the independence and dignity of those with walkers or wheelchairs.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018             | FY 2019     | FY 2020     | FY 2021     | FY 2022     | TOTAL<br>COST       |
|------------------------------|--------------------|---------------------|-------------|-------------|-------------|-------------|---------------------|
| A. Feasibility Study         |                    | .                   |             |             |             |             | \$ -                |
| B. Design                    |                    |                     |             |             |             |             | \$ -                |
| C. Land Acquisition          |                    |                     |             |             |             |             | \$ -                |
| D. Construction              | GB                 | \$ 6,000,000        |             |             |             |             | \$ 6,000,000        |
| E. Furnishings and Equipment |                    |                     |             |             |             |             | \$ -                |
| F. Departmental Equipment    |                    |                     |             |             |             |             | \$ -                |
| G. Contingency               |                    |                     |             |             |             |             | \$ -                |
| H. Other                     |                    |                     |             |             |             |             | \$ -                |
| <b>TOTAL:</b>                |                    | <b>\$ 6,000,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 6,000,000</b> |

## Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

Town of Groton, Massachusetts  
CAPITAL PLAN  
Fiscal Years 2017 - 2022

|          |                              | APPROVED  |         |           |         |           |            |                 |                |
|----------|------------------------------|-----------|---------|-----------|---------|-----------|------------|-----------------|----------------|
| Page     | Description                  | FY 2017   | FY 2018 | FY 2019   | FY 2020 | FY 2021   | FY 2022    | Five Year Total | Funding Source |
| PARKS    |                              |           |         |           |         |           |            |                 |                |
| 29       | Property Improvements        | \$ 46,500 |         | \$ 50,000 |         | \$ 50,000 |            | \$ 100,000      | Capital Asset  |
| 30       | Cow Pond Brook Walking Track |           |         |           |         |           | \$ 140,000 | \$ 140,000      | Capital Asset  |
| Subtotal |                              | \$ 46,500 | \$ -    | \$ 50,000 | \$ -    | \$ 50,000 | \$ 140,000 | \$ 240,000      |                |



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **COW POND BROOK WALKING TRACK**Department: **PARK COMMISSION**

Reason for Need:

This is a new proposal from the Park Commission to create a walking track around the Cow Pond Brook Fields Facility. The walking track would be around the property's perimeter enabling mixed use of Cow Pond for walkers, joggers, roller blading, etc. The Park Commission would also like to add swings or other play equipment to Cow Pond to further full family use during and separate from team sports.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022    | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|---------|---------|------------|---------------|
| A. Feasibility Study         |                    | .       |         |         |         |            | \$ -          |
| B. Design                    |                    |         |         |         |         |            | \$ -          |
| C. Land Acquisition          |                    |         |         |         |         |            | \$ -          |
| D. Construction              | CA                 |         |         |         |         | \$ 140,000 | \$ 140,000    |
| E. Furnishings and Equipment |                    |         |         |         |         |            | \$ -          |
| F. Departmental Equipment    |                    |         |         |         |         |            | \$ -          |
| G. Contingency               |                    |         |         |         |         |            | \$ -          |
| H. Other                     |                    |         |         |         |         |            | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 140,000 | \$ 140,000    |

Sources of Funds Legend:

|                              |                         |                      |                                 |
|------------------------------|-------------------------|----------------------|---------------------------------|
| (OR) Operating Revenues      | (CA) Capital Asset Fund | (EMS) EMS Fund Fees  | (SE) Sewer Enterprise Fund Fees |
| (GB) General Obligation Bond | (ST) Stabilization Fund | (FC) Free Cash/Other | (WE) Water Enterprise Fund Fees |

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **PROPERTY IMPROVEMENTS**Department: **PARK COMMISSION**Reason for Need:

The Park Commission has been working over the past several years developing a strategy to address deficiencies in the various Park Department Properties located throughout Groton. They have requested an every other year appropriation to begin to address these issues. By appropriating \$50,000 every other year, the Park Commission can develop a capital improvement program that will allow them to keep our various park locations in good shape and avoid a major construction project. This plan began in FY 2015 and has proven to be very successful.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019   | FY 2020 | FY 2021   | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|-----------|---------|-----------|---------|---------------|
| A. Feasibility Study         |                    | .       |           |         |           |         | \$ -          |
| B. Design                    |                    |         |           |         |           |         | \$ -          |
| C. Land Acquisition          |                    |         |           |         |           |         | \$ -          |
| D. Construction              | CA                 |         | \$ 50,000 |         | \$ 50,000 |         | \$ 100,000    |
| E. Furnishings and Equipment |                    |         |           |         |           |         | \$ -          |
| F. Departmental Equipment    |                    |         |           |         |           |         | \$ -          |
| G. Contingency               |                    |         |           |         |           |         | \$ -          |
| H. Other                     |                    |         |           |         |           |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ 50,000 | \$ -    | \$ 50,000 | \$ -    | \$ 100,000    |

Sources of Funds Legend:

|                              |                         |                      |                                 |
|------------------------------|-------------------------|----------------------|---------------------------------|
| (OR) Operating Revenues      | (CA) Capital Asset Fund | (EMS) EMS Fund Fees  | (SE) Sewer Enterprise Fund Fees |
| (GB) General Obligation Bond | (ST) Stabilization Fund | (FC) Free Cash/Other | (WE) Water Enterprise Fund Fees |

FY 2018 - FY 2022

Capital Plan

Town of Groton, Massachusetts  
CAPITAL PLAN  
Fiscal Years 2017 - 2022

|          |                 | APPROVED   |            |           |           |           |           |                 |                |
|----------|-----------------|------------|------------|-----------|-----------|-----------|-----------|-----------------|----------------|
| Page     | Description     | FY 2017    | FY 2018    | FY 2019   | FY 2020   | FY 2021   | FY 2022   | Five Year Total | Funding Source |
| POLICE   |                 |            |            |           |           |           |           |                 |                |
| 31       | Police Cruisers | \$ 89,746  | \$ 91,092  | \$ 92,458 | \$ 93,845 | \$ 95,253 | \$ 96,682 | \$ 469,330      | Capital Asset  |
| 32       | ATV             |            | \$ 18,000  |           |           |           |           | \$ 18,000       | Capital Asset  |
|          | Tasers          | \$ 39,134  |            |           |           |           |           | \$ -            | Capital Asset  |
| Subtotal |                 | \$ 128,880 | \$ 109,092 | \$ 92,458 | \$ 93,845 | \$ 95,253 | \$ 96,682 | \$ 487,330      |                |



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **POLICE CRUISERS**Department: **POLICE DEPARTMENT**Reason for Need:

Purchase of two police cruisers and related equipment for replacement of cruisers that are no longer cost effective to maintain. This allows for lesser mileage per year, better maintenance scheduling, assignment of cars to officers and for a programmed replacement schedule that insures line cars are rotated out at reasonable mileage and wear. Un-marked cars are rotated in the same fashion.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018          | FY 2019          | FY 2020          | FY 2021          | FY 2022          | TOTAL<br>COST     |
|------------------------------|--------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| A. Feasibility Study         |                    | .                |                  |                  |                  |                  | \$ -              |
| B. Design                    |                    |                  |                  |                  |                  |                  | \$ -              |
| C. Land Acquisition          |                    |                  |                  |                  |                  |                  | \$ -              |
| D. Construction              |                    |                  |                  |                  |                  |                  | \$ -              |
| E. Furnishings and Equipment |                    |                  |                  |                  |                  |                  | \$ -              |
| F. Departmental Equipment    | CA                 | \$ 91,092        | \$ 92,458        | \$ 93,845        | \$ 95,253        | \$ 96,682        | \$ 469,330        |
| G. Contingency               |                    |                  |                  |                  |                  |                  | \$ -              |
| H. Other                     |                    |                  |                  |                  |                  |                  | \$ -              |
| <b>TOTAL:</b>                |                    | <b>\$ 91,092</b> | <b>\$ 92,458</b> | <b>\$ 93,845</b> | <b>\$ 95,253</b> | <b>\$ 96,682</b> | <b>\$ 469,330</b> |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

# TOWN OF GROTON CAPITAL PLAN -

# PROJECT DETAIL SHEET

Project Title: **ATV**

Department: **POLICE DEPARTMENT**

Reason for Need:

The Police Department is requesting to replace the current ATV and add a two seat multipurpose ATV to the inventory. An increased demand to patrol the Rail Trail, conservation areas and Station Avenue require additional assets and replacement. The current ATV is a one passenger vehicle with limited equipment carrying capacity.



## RECOMMENDED FINANCING

|                              | SOURCE<br>OF FUNDS | FY 2018          | FY 2019     | FY 2020     | FY 2021     | FY 2022     | TOTAL<br>COST    |
|------------------------------|--------------------|------------------|-------------|-------------|-------------|-------------|------------------|
| A. Feasibility Study         |                    | .                |             |             |             |             | \$ -             |
| B. Design                    |                    |                  |             |             |             |             | \$ -             |
| C. Land Acquisition          |                    |                  |             |             |             |             | \$ -             |
| D. Construction              |                    |                  |             |             |             |             | \$ -             |
| E. Furnishings and Equipment |                    |                  |             |             |             |             | \$ -             |
| F. Departmental Equipment    | CA                 | \$ 18,000        |             |             |             |             | \$ 18,000        |
| G. Contingency               |                    |                  |             |             |             |             | \$ -             |
| H. Other                     |                    |                  |             |             |             |             | \$ -             |
| <b>TOTAL:</b>                |                    | <b>\$ 18,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 18,000</b> |

Sources of Funds Legend:

(OR) Operating Revenues      (CA) Capital Asset Fund      (EMS) EMS Fund Fees      (SE) Sewer Enterprise Fund Fees  
 (GB) General Obligation Bond      (ST) Stabilization Fund      (FC) Free Cash/Other      (WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

Town of Groton, Massachusetts  
CAPITAL PLAN  
Fiscal Years 2017 - 2022

|                            |                                      | APPROVED         |                  |                  |                  |                  |                  |                   |                |
|----------------------------|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|----------------|
| Page                       | Description                          | FY 2017          | FY 2018          | FY 2019          | FY 2020          | FY 2021          | FY 2022          | Five Year Total   | Funding Source |
| <b>GROTON COUNTRY CLUB</b> |                                      |                  |                  |                  |                  |                  |                  |                   |                |
| 33                         | Golf Carts                           | \$ 20,000        |                  |                  |                  | \$ 20,000        | \$ 20,000        | \$ 40,000         | Capital Asset  |
| 34                         | Cart Path and Tee Box Reconstruction |                  |                  | \$ 30,000        |                  |                  |                  | \$ 30,000         | Capital Asset  |
| 35                         | Boom Sprayer Unit                    | \$ 6,500         | \$ 6,500         |                  |                  |                  |                  | \$ 6,500          | Capital Asset  |
| 36                         | Triplex - Greens Mower               | \$ 5,100         | \$ 5,100         | \$ 5,100         | \$ 5,100         | \$ 5,100         |                  | \$ 20,400         | Capital Asset  |
| 37                         | Drainage Improvements                |                  |                  |                  | \$ 25,000        |                  |                  | \$ 25,000         | Capital Asset  |
| <b>Subtotal</b>            |                                      | <b>\$ 31,600</b> | <b>\$ 11,600</b> | <b>\$ 35,100</b> | <b>\$ 30,100</b> | <b>\$ 25,100</b> | <b>\$ 20,000</b> | <b>\$ 121,900</b> |                |



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **GOLF CARTS**Department: **GROTON COUNTRY CLUB**

Reason for Need:

Five years ago, we replaced the fleet of twenty-five golf carts with new 2012 Club Car DS gas powered carts using a five year lease to purchase agreement at an annual cost of approximately \$20,000. Beginning in FY 2021, the Club will need to replace the Carts in the same manner.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020 | FY 2021   | FY 2022   | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|---------|-----------|-----------|---------------|
| A. Feasibility Study         |                    | .       |         |         |           |           | \$ -          |
| B. Design                    |                    |         |         |         |           |           | \$ -          |
| C. Land Acquisition          |                    |         |         |         |           |           | \$ -          |
| D. Construction              |                    |         |         |         |           |           | \$ -          |
| E. Furnishings and Equipment |                    |         |         |         |           |           | \$ -          |
| F. Departmental Equipment    | CA                 |         |         |         | \$ 20,000 | \$ 20,000 | \$ 40,000     |
| G. Contingency               |                    |         |         |         |           |           | \$ -          |
| H. Other                     |                    |         |         |         |           |           | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ -    | \$ 20,000 | \$ 20,000 | \$ 40,000     |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **CART PATH AND TEE BOX RECONSTRUCTION**Department: **GROTON COUNTRY CLUB**

Reason for Need:

Most of the existing golf carts paths are in terrible shape and need to be graded, repaired and repaved to ensure safe access to the course. Several tee boxes throughout the course are very old construction and they need to be enlarged, leveled, and refurbished to include the installation of replacement foundation materials, retaining walls, sod and reconfigured irrigation. Three years ago, we reconstructed a large portion of the second/third hole cart path and large portion of the first hole cart path and completely reconstructed the ninth hole tee box as part of a proposed multi-year refurbishment project. Additionally, last year we reconstructed four of the forward women's tee boxes using current operating funds, as well as the tee boxes on the second, seventh and eighth.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019   | FY 2020 | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|-----------|---------|---------|---------|---------------|
| A. Feasibility Study         |                    | .       |           |         |         |         | \$ -          |
| B. Design                    |                    |         |           |         |         |         | \$ -          |
| C. Land Acquisition          |                    |         |           |         |         |         | \$ -          |
| D. Construction              | CA                 |         | \$ 30,000 |         |         |         | \$ 30,000     |
| E. Furnishings and Equipment |                    |         |           |         |         |         | \$ -          |
| F. Departmental Equipment    |                    |         |           |         |         |         | \$ -          |
| G. Contingency               |                    |         |           |         |         |         | \$ -          |
| H. Other                     |                    |         |           |         |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ 30,000 | \$ -    | \$ -    | \$ -    | \$ 30,000     |

Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **BOOM SPRAYER UNIT**Department: **GROTON COUNTRY CLUB**Reason for Need:

This essential sprayer is needed to regularly distribute fertilizer and pesticides over the golf course throughout the entire golf season. This machine enables the Club to use concentrated liquid chemicals which are both much more efficient and cost effective than granular chemicals. Four years ago the Club necessarily purchased a replacement engine directly from the manufacturer at a cost of approximately \$2,000. The part time club mechanic installed it to repair the twenty-three old boom sprayer unit that was inoperable and out of service for several weeks at that point. Three years ago the Club incurred considerable expense for both parts and mechanic labor hours to keep this machine in service although at one point it was inoperable for a couple of weeks during which time the course developed a devastating fungus, the effects of which are still evident. The current replacement cost of this equipment is approximately \$32,500.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018  | FY 2019 | FY 2020 | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|----------|---------|---------|---------|---------|---------------|
| A. Feasibility Study         |                    | .        |         |         |         |         | \$ -          |
| B. Design                    |                    |          |         |         |         |         | \$ -          |
| C. Land Acquisition          |                    |          |         |         |         |         | \$ -          |
| D. Construction              |                    |          |         |         |         |         | \$ -          |
| E. Furnishings and Equipment |                    |          |         |         |         |         | \$ -          |
| F. Departmental Equipment    | CA                 | \$ 6,500 |         |         |         |         | \$ 6,500      |
| G. Contingency               |                    |          |         |         |         |         | \$ -          |
| H. Other                     |                    |          |         |         |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ 6,500 | \$ -    | \$ -    | \$ -    | \$ -    | \$ 6,500      |

## Sources of Funds Legend:

(OR) Operating Revenues      (CA) Capital Asset Fund      (EMS) EMS Fund Fees      (SE) Sewer Enterprise Fund Fees  
 (GB) General Obligation Bond      (ST) Stabilization Fund      (FC) Free Cash/Other      (WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **TRIPLEX - GREENS MOWER**Department: **GROTON COUNTRY CLUB**Reason for Need:

The Club owns two triplex mowers. One is used to cut the greens. The other is used to cut the tees and collars around the greens. The greens are cut every day in addition to the tees and collars every other day. When this mower is not operating and needs repair, which is a regular occurrence, the Club has no backup to use. All courses have a backup greens mower. The greens must be cut daily or problems such as disease become manifest. If this mower is replaced as proposed in FY 2017 it will then be twelve years old. The Club plans to convert it at that point and use it as the tee and collar mower replacing the existing tee and collar mower which is currently over twenty years old. The current replacement cost of this type mower is approximately \$25,500. It is recommended that the Town finance it with a five year lease to purchase agreement at an approximate annual cost of \$5,100.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018  | FY 2019  | FY 2020  | FY 2021  | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|----------|----------|----------|----------|---------|---------------|
| A. Feasibility Study         |                    | .        |          |          |          |         | \$ -          |
| B. Design                    |                    |          |          |          |          |         | \$ -          |
| C. Land Acquisition          |                    |          |          |          |          |         | \$ -          |
| D. Construction              |                    |          |          |          |          |         | \$ -          |
| E. Furnishings and Equipment |                    |          |          |          |          |         | \$ -          |
| F. Departmental Equipment    | CA                 | \$ 5,100 | \$ 5,100 | \$ 5,100 | \$ 5,100 |         | \$ 20,400     |
| G. Contingency               |                    |          |          |          |          |         | \$ -          |
| H. Other                     |                    |          |          |          |          |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ 5,100 | \$ 5,100 | \$ 5,100 | \$ 5,100 | \$ -    | \$ 20,400     |

## Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **DRAINAGE IMPROVEMENTS**Department: **GROTON COUNTRY CLUB**Reason for Need:

There are drainage issues throughout the course currently. Most notable and problematic, however, is the inadequate drainage on the 7th hole fairway which materially detracts from guest play on a regularly recurring basis.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020   | FY 2021 | FY 2022 | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|-----------|---------|---------|---------------|
| A. Feasibility Study         |                    | .       |         |           |         |         | \$ -          |
| B. Design                    |                    |         |         |           |         |         | \$ -          |
| C. Land Acquisition          |                    |         |         |           |         |         | \$ -          |
| D. Construction              | CA                 |         |         | \$ 25,000 |         |         | \$ 25,000     |
| E. Furnishings and Equipment |                    |         |         |           |         |         | \$ -          |
| F. Departmental Equipment    |                    |         |         |           |         |         | \$ -          |
| G. Contingency               |                    |         |         |           |         |         | \$ -          |
| H. Other                     |                    |         |         |           |         |         | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ 25,000 | \$ -    | \$ -    | \$ 25,000     |

Sources of Funds Legend:

|                              |                         |                      |                                 |
|------------------------------|-------------------------|----------------------|---------------------------------|
| (OR) Operating Revenues      | (CA) Capital Asset Fund | (EMS) EMS Fund Fees  | (SE) Sewer Enterprise Fund Fees |
| (GB) General Obligation Bond | (ST) Stabilization Fund | (FC) Free Cash/Other | (WE) Water Enterprise Fund Fees |

FY 2018 - FY 2022

Capital Plan

Town of Groton, Massachusetts  
CAPITAL PLAN  
Fiscal Years 2017 - 2022

**WATER, SEWER AND REGIONAL SCHOOL DEPARTMENT**

|                                   |  | APPROVED  |            |         |              |               |               |                 |                   |
|-----------------------------------|--|-----------|------------|---------|--------------|---------------|---------------|-----------------|-------------------|
| Page                              | Description                            | FY 2017   | FY 2018    | FY 2019 | FY 2020      | FY 2021       | FY 2022       | Five Year Total | Funding Source    |
|                                   |  |           |            |         |              |               |               |                 |                   |
|                                   |  |           |            |         |              |               |               |                 |                   |
| WATER                             |  |           |            |         |              |               |               |                 |                   |
| 38                                | Fixed Metering Network                 | \$ 15,000 |            |         |              |               | \$ -          |                 | Water Revenue     |
| 39                                | Whitney Pond - Electrical/Pump Upgrade |           | \$ 250,000 |         |              |               | \$ 250,000    |                 | Water Revenue     |
|                                   | Shattuck Well                          |           |            |         |              | \$ 3,300,000  | \$ 3,300,000  |                 | Water Revenue     |
| Subtotal                          |  | \$ 15,000 | \$ 250,000 | \$ -    | \$ -         | \$ -          | \$ 3,300,000  | \$ 3,550,000    |                   |
|                                   |  |           |            |         |              |               |               |                 |                   |
| SEWER                             |  |           |            |         |              |               |               |                 |                   |
| 40                                | Lost Lake Sewer System                 |           |            |         |              | \$ 14,500,000 | \$ 14,500,000 |                 | Sewer Betterments |
| 41                                | Wastewater Treatment Plant Upgrades    |           |            |         | \$ 1,250,000 |               | \$ 1,250,000  |                 | Sewer Revenue     |
|                                   | Inflow & Infiltration Remediation      | \$ 10,000 |            |         |              |               | \$ -          |                 | Sewer Revenue     |
| Subtotal                          |  | \$ 10,000 | \$ -       | \$ -    | \$ -         | \$ 1,250,000  | \$ 14,500,000 | \$ 15,750,000   |                   |
|                                   |  |           |            |         |              |               |               |                 |                   |
| REGIONAL SCHOOL DEPARTMENT        |  |           |            |         |              |               |               |                 |                   |
|                                   |  |           |            |         |              |               |               |                 |                   |
| Subtotal                          |  | \$ -      | \$ -       | \$ -    | \$ -         | \$ -          | \$ -          | \$ -            |                   |
|                                   |  |           |            |         |              |               |               |                 |                   |
| Capital Improvement Program Total |  | \$ 25,000 | \$ 250,000 | \$ -    | \$ -         | \$ 1,250,000  | \$ 17,800,000 | \$ 19,300,000   |                   |



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **WHITNEY POND - ELECTRICAL/PUMP UPGRADES**Department: **GROTON WATER DEPARTMENT**Reason for Need:

This Capital Project involves the replacement of the large 100 H.P. pumps and motors at the Whitney Pond Wells #1 and #2 with more efficient motors operating on Variable Frequency Drives (VFD's). This will enable the recently installed SCADA system to be programmed to operate the wells at optimal efficiencies without compromising the source and will reduce energy demands at both sources. The original electrical panels may also need to be improved in order to make room for these upgrades (1989 installation). The payback for the capital investments should be within five to eight years. The estimate below includes engineering, procurement and project management.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018           | FY 2019     | FY 2020     | FY 2021     | FY 2022     | TOTAL<br>COST     |
|------------------------------|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
| A. Feasibility Study         |                    | .                 |             |             |             |             | \$ -              |
| B. Design                    |                    |                   |             |             |             |             | \$ -              |
| C. Land Acquisition          |                    |                   |             |             |             |             | \$ -              |
| D. Construction              | WE                 | \$ 250,000        |             |             |             |             | \$ 250,000        |
| E. Furnishings and Equipment |                    |                   |             |             |             |             | \$ -              |
| F. Departmental Equipment    |                    |                   |             |             |             |             | \$ -              |
| G. Contingency               |                    |                   |             |             |             |             | \$ -              |
| H. Other                     |                    |                   |             |             |             |             | \$ -              |
| <b>TOTAL:</b>                |                    | <b>\$ 250,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 250,000</b> |

## Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan

**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **SHATTUCK WELL**Department: **GROTON WATER DEPARTMENT**Reason for Need:

This Capital Project involves the re-development of a drinking water source supply in order to increase the Town's municipal drinking water resources. This re-developed source of supply involves the placement of two new wells on land already under the control of the Groton Water Department and is in close proximity to the exiting Baddacook Pond Facility where it can be treated for iron and manganese as originally planned in 2002. Minimal infrastructure improvements are required for this project with treatment at the Baddacook Facility. The Shattuck Well re-development needs to be carefully reviewed before commencing with this project.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022      | TOTAL<br>COST |
|------------------------------|--------------------|---------|---------|---------|---------|--------------|---------------|
| A. Feasibility Study         |                    | .       |         |         |         |              | \$ -          |
| B. Design                    |                    |         |         |         |         |              | \$ -          |
| C. Land Acquisition          |                    |         |         |         |         |              | \$ -          |
| D. Construction              | WE                 |         |         |         |         | \$ 3,300,000 | \$ 3,300,000  |
| E. Furnishings and Equipment |                    |         |         |         |         |              | \$ -          |
| F. Departmental Equipment    |                    |         |         |         |         |              | \$ -          |
| G. Contingency               |                    |         |         |         |         |              | \$ -          |
| H. Other                     |                    |         |         |         |         |              | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 3,300,000 | \$ 3,300,000  |

## Sources of Funds Legend:

(OR) Operating Revenues

(CA) Capital Asset Fund

(EMS) EMS Fund Fees

(SE) Sewer Enterprise Fund Fees

(GB) General Obligation Bond

(ST) Stabilization Fund

(FC) Free Cash/Other

(WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



**TOWN OF GROTON CAPITAL PLAN -****PROJECT DETAIL SHEET**Project Title: **LOST LAKE SEWER SYSTEM**Department: **GROTON SEWER DEPARTMENT****Reason for Need:**

This Capital Expenditure is for the proposed installation of a Low Pressure Sewer System for the area in and around Lost Lake. It is anticipated that sewer collection system will conservatively alleviate approximately 25% of the nutrient loading occurring at Lost Lake. The proposed Sewer System will be pumped to the Town of Ayer for treatment through an Inter-municipal Agreement. The connection to the Ayer Wastewater Collection System will allow the Four Corners Commercial Zone to be connected to the sewer system as well. In Fiscal 2021, it is anticipated that the design work will commence and will include all of the required permitting for the project at the local and the state level. In Fiscal 2021 and Fiscal 2022, it is anticipated the construction will commence for the Lost Lake Sewer Project and will be borrowed over two Fiscal Years. The Total Project costs will not exceed 15,000,000.00. Municipal water is not part of this project.

**RECOMMENDED FINANCING**

|                              | SOURCE<br>OF FUNDS | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022       | TOTAL COST    |
|------------------------------|--------------------|---------|---------|---------|---------|---------------|---------------|
| A. Feasibility Study         |                    |         |         |         |         |               | \$ -          |
| B. Design                    |                    |         |         |         |         |               | \$ -          |
| C. Land Acquisition          |                    |         |         |         |         |               | \$ -          |
| D. Construction              | SE                 |         |         |         |         | \$ 14,500,000 | \$ 14,500,000 |
| E. Furnishings and Equipment |                    |         |         |         |         |               | \$ -          |
| F. Departmental Equipment    |                    |         |         |         |         |               | \$ -          |
| G. Contingency               |                    |         |         |         |         |               | \$ -          |
| H. Other                     |                    |         |         |         |         |               | \$ -          |
| <b>TOTAL:</b>                |                    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 14,500,000 | \$ 14,500,000 |

**Sources of Funds Legend:**

(OR) Operating Revenues      (CA) Capital Asset Fund      (EMS) EMS Fund Fees      (SE) Sewer Enterprise Fund Fees  
 (GB) General Obligation Bond      (ST) Stabilization Fund      (FC) Free Cash/Other      (WE) Water Enterprise Fund Fees

FY 2018 - FY 2022

Capital Plan



# TOWN OF GROTON CAPITAL PLAN -

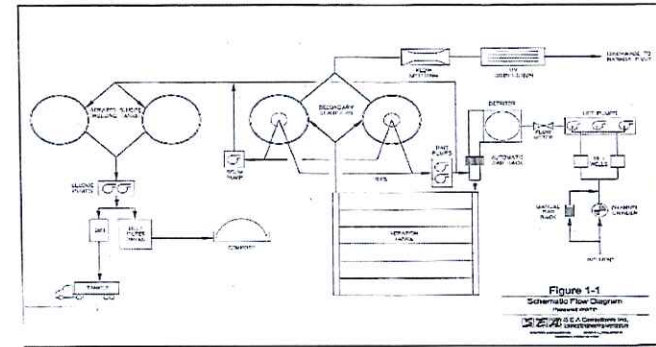
# PROJECT DETAIL SHEET

Project Title: **LOST LAKE SEWER SYSTEM**

Department: **GROTON SEWER DEPARTMENT**

## Reason for Need

This Capital Expenditure is for the proposed wastewater treatment plant upgrades required for Groton and Pepperell to meet the treatment of effluent under the new discharge permit being issued by the U.S.E.P.A. The plant upgrades will include, but not limited to, the treatment of the phosphate effluent, post treatment, to the Nashua River. These limits are spelled out in our N.P.D.E.S Permit. The total estimated preliminary cost is five million dollars and Groton's share is 25% or one million two hundred fifty thousand dollars.



## RECOMMENDED FINANCING

|                              | SOURCE OF FUNDS | FY 2018 | FY 2019 | FY 2020 | FY 2021      | FY 2022 | TOTAL COST   |
|------------------------------|-----------------|---------|---------|---------|--------------|---------|--------------|
| A. Feasibility Study         |                 |         |         |         |              |         | \$ -         |
| B. Design                    |                 |         |         |         |              |         | \$ -         |
| C. Land Acquisition          |                 |         |         |         |              |         | \$ -         |
| D. Construction              | SE              |         |         |         | \$ 1,250,000 |         | \$ 1,250,000 |
| E. Furnishings and Equipment |                 |         |         |         |              |         | \$ -         |
| F. Departmental Equipment    |                 |         |         |         |              |         | \$ -         |
| G. Contingency               |                 |         |         |         |              |         | \$ -         |
| H. Other                     |                 |         |         |         |              |         | \$ -         |
| <b>TOTAL:</b>                |                 | \$ -    | \$ -    | \$ -    | \$ 1,250,000 | \$ -    | \$ 1,250,000 |

### Sources of Funds Legend:

(OR) Operating Revenues      (CA) Capital Asset Fund      (EMS) EMS Fund Fees      (SE) Sewer Enterprise Fund Fees  
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FY 2018 - FY 2022

Capital Plan