

Town of Groton, Massachusetts



Proposed Capital Plan FY 2019 - 2023



Town Manager
Mark W. Haddad

TOWN OF GROTON

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Board of Selectmen

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December 31, 2017

Honorable Board of Selectmen:
Honorable Finance Committee:

I am pleased to present the proposed Five-Year Capital Plan for Fiscal Years 2019 through 2023 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 2019:

<u>Department</u>	<u>Item</u>	<u>Amount</u>	<u>Funding Source</u>
Highway	Pick-Up Truck	\$ 40,000	Capital Asset Fund
Highway	Dump Truck	\$ 40,000	Capital Asset Fund
Highway	Building Upgrade	\$ 40,000	Capital Asset Fund
Town Facilities	IT Infrastructure	\$ 40,000	Capital Asset Fund
Town Facilities	Dispatch Center Update	\$ 60,000	Capital Asset Fund
Town Facilities	Enclose 2 nd Floor Meeting Room	\$ 40,000	Capital Asset Fund
Town Facilities	Municipal Building Repairs	\$ 25,000	Capital Asset Fund
Transfer Station	Tractor Trailer Unit	\$ 40,000	Capital Asset Fund
Library	Emergency Exit Walkway	\$ 40,000	Capital Asset Fund
Police	Police Cruisers	\$ 92,458	Capital Asset Fund
Country Club	Replace Irrigation Pump and Lines	\$ 23,000	Capital Asset Fund
Country Club	Triplex – Greens Mower	\$ 5,100	Capital Asset Fund
Council on Aging	New Senior Center	\$5,000,000	General Obligation Bond
Water Department	Water Meter Replacement Program	\$ 75,000	Water Revenue
Sewer Department	Wastewater Treatment Plant	\$1,250,000	Sewer Revenue
Total Requested		\$6,810,558	

**Honorable Board of Selectmen
Honorable Finance Committee
Town of Groton Capital Plan 2019 – 2023
page two**

To fund this proposed Capital Plan in FY 2019, I am proposing that the following amounts be appropriated from the following sources:

General Obligation Bond	\$5,000,000
Capital Asset Fund	\$ 485,558
Water Revenue	\$ 75,000
Sewer Revenue	<u>\$1,250,000</u>
Total	\$6,810,558

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
2019 - 2023**

LISTING OF PROJECTS BY FUNDING SOURCE

GENERAL FUND

Page	Program	Description	Cost 2019	Cost 2020	Cost 2021	Cost 2022	Cost 2023	Funding Source
13	Town Facilities	IT Infrastructure/Computer Purchase		\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	General Fund
Subtotal			\$ -	\$ 40,000	\$ 40,000	\$ 40,000		

BOND

Page	Program	Description	Cost 2019	Cost 2020	Cost 2021	Cost 2022	Cost 2023	Funding Source
3	Fire and EMS	Engine 3 Replacement		\$ 558,000				Bond
12	Highway	Building Upgrade		\$ 2,000,000				Bond
30	Council On Aging	New/Renovate Senior Center	\$ 5,000,000					Bond
Subtotal			\$ 5,000,000	\$ 2,558,000	\$ -	\$ -		

Town of Groton, Massachusetts
CAPITAL PLAN
2019 - 2023

LISTING OF PROJECTS BY FUNDING SOURCE (CONTINUED)

CAPITAL ASSET STABILIZATION FUND

Page	Program	Description	Cost 2019	Cost 2020	Cost 2021	Cost 2022	Cost 2023	Funding Source
4	Fire and EMS	Engine 1 Refurbishment				\$ 225,000		Capital Asset
6	Fire and EMS	Forestry 4 Replacement					\$ 155,000	Capital Asset
7	Highway	Pick-Up Trucks	\$ 40,000		\$ 40,000			Capital Asset
8	Highway	Brush Mower/Field Mower		\$ 45,000				Capital Asset
9	Highway	Intermediate Truck			\$ 60,000		\$ 75,000	Capital Asset
10	Highway	Dump Truck	\$ 40,000	\$ 40,000	\$ 40,000	\$ 80,000	\$ 80,000	Capital Asset
11	Highway	Backhoe		\$ 95,000				Capital Asset
12	Highway	Building Upgrade	\$ 40,000					Capital Asset
13	Town Facilities	IT Infrastructure/Computer Purchase	\$ 40,000					Capital Asset
14	Town Facilities	Dispatch Upgrade	\$ 60,000	\$ 60,000				Capital Asset
15	Town Facilities	Enclose Second Floor Meeting Room	\$ 40,000					Capital Asset
16	Town Facilities	Municipal Building Exterior Repairs	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	Capital Asset
17	Town Facilities	Paint Police Station/Roof Repairs		\$ 20,000	\$ 50,000			Capital Asset
18	Town Facilities	Country Club Roof			\$ 50,000			Capital Asset
19	Town Facilities	Police Station HVAC					\$ 65,000	Capital Asset
20	Transfer Station	Tractor Trailer Unit/Trash Trailer	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000		Capital Asset
21	Transfer Station	Baler			\$ 60,000			Capital Asset
22	Transfer Station	Fork Lift/Mini Loader				\$ 60,000		Capital Asset
23	Library	Carpet Replacement				\$ 20,000		Capital Asset
24	Library	Emergency Exit Walkway Safety Improve	\$ 40,000					Capital Asset
25	Library	New Gutter/Repair Water Damage		\$ 80,000				Capital Asset
26	Library	Upgrade Building Alarm System			\$ 20,000			Capital Asset
27	Library	Repaint Library Interior				\$ 55,000		Capital Asset
28	Library	Redo Interior Lighting					\$ 40,000	Capital Asset
29	Library	Reconstruct Parking Lot			\$ 80,000			Capital Asset
31	Park Department	Property Improvements		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	Capital Asset
32	Park Department	Cow Pond Brook Walking Track				\$ 140,000		Capital Asset
33	Police	Police Cruisers	\$ 92,458	\$ 93,845	\$ 95,253	\$ 96,681	\$ 98,132	Capital Asset
34	Country Club	Golf Carts			\$ 25,000	\$ 25,000	\$ 25,000	Capital Asset
35	Country Club	Replace Irrigation Pump and Lines	\$ 23,000					Capital Asset
36	Country Club	Parking Lot Improvements					\$ 10,000	Capital Asset
37	Country Club	Pool Improvements		\$ 15,000		\$ 10,000		Capital Asset
38	Country Club	Cart Path Repairs		\$ 10,000				Capital Asset
39	Country Club	Triplex - Greens Mower	\$ 5,100	\$ 5,100	\$ 5,100			Capital Asset
Subtotal			\$ 485,558	\$ 553,945	\$ 615,353	\$ 801,681	\$ 598,132	

**Town of Groton, Massachusetts
CAPITAL PLAN
2019 - 2023**

LISTING OF PROJECTS BY FUNDING SOURCE (CONTINUED)

WATER REVENUE

Page	Program	Description	Cost 2019	Cost 2020	Cost 2021	Cost 2022	Cost 2023	Funding Source
40	Water Department	Water Meter Replacement Program	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000		Water Revenue
41	Water Department	Shattuck Well				\$ 3,300,000		Water Revenue
Subtotal			\$ 75,000	\$ 75,000	\$ 75,000	\$ 3,375,000	\$ -	

SEWER REVENUE

Page	Program	Description	Cost 2019	Cost 2020	Cost 2021	Cost 2022	Cost 2023	Funding Source
42	Sewer Department	Lost Lake Sewer System					\$ 14,500,000	Sewer Betterments
3	Sewer Department	Wastewater Treatment Plant Upgrades	\$ 1,250,000					Sewer Revenue
Subtotal			\$ 1,250,000	\$ -	\$ -	\$ -		

AMBULANCE FUND

Page	Program	Description	Cost 2019	Cost 2020	Cost 2021	Cost 2022	Cost 2023	Funding Source
5	Fire and EMS	Ambulance 2 Replacement			\$ 325,000			Ambulance Fund
1	Fire and EMS	Engine 5 Refurbishment		\$ 210,000				Ambulance Fund
2	Fire and EMS	Service 1 Replacement		\$ 50,000				Ambulance Fund
Subtotal			\$ -	\$ 260,000	\$ 325,000	\$ -		

Capital Improvement Program Total			\$ 6,810,558	\$ 3,486,945	\$ 1,055,353	\$ 4,216,681		
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Town of Groton, Massachusetts
CAPITAL PLAN
Fiscal Years 2018 - 2023

		APPROVED						
Page	Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total Funding Source
FIRE AND EMS								
	Ladder 1 Replacement	\$ 995,000						\$ - Bond
1	Engine 5 Refurbishment			\$ 210,000				\$ 210,000 EMS Fund
2	Service 1 Replacement			\$ 50,000				\$ 50,000 EMS Fund
3	Engine 3 Replacement			\$ 558,000				\$ 558,000 Bond
4	Engine 1 Refurbishment					\$ 225,000		\$ 225,000 Capital Asset
5	Ambulance 2 Replacement				\$ 325,000			\$ 325,000 EMS Fund
6	Forestry 4 Replacement						\$ 155,000	\$ 155,000 Capital Asset
	SCBA Compressor for Headquarters	\$ 41,000						\$ - EMS Fund
Subtotal		\$ 1,036,000	\$ -	\$ 818,000	\$ 325,000	\$ 225,000	\$ 155,000	\$ 1,523,000

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	EMS		\$ 210,000				\$ 210,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ 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 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	EMS		\$ 50,000				\$ 50,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ 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 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	GB		\$ 558,000				\$ 558,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ 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 2019 - FY 2023

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 FY2022 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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	CA				\$ 225,000		\$ 225,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ 225,000	\$ -	\$ 225,000

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 2019 - FY 2023

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 FY2021.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ -	\$ 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 2019 - FY 2023

Capital Plan

TOWN OF GROTON CAPITAL PLAN -**PROJECT DETAIL SHEET**Project Title: **FORESTRY 4**Department: **FIRE/EMS**

Reason for Need: Forestry 4 is a 1993 military surplus vehicle that is becoming harder to find the parts to repair the vehicle. This vehicle should be replaced with another military excess vehicle (if available) that is outfitted appropriately.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study							\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	CA					\$ 155,000	\$ 155,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ 155,000	\$ 155,000

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 2019 - FY 2023

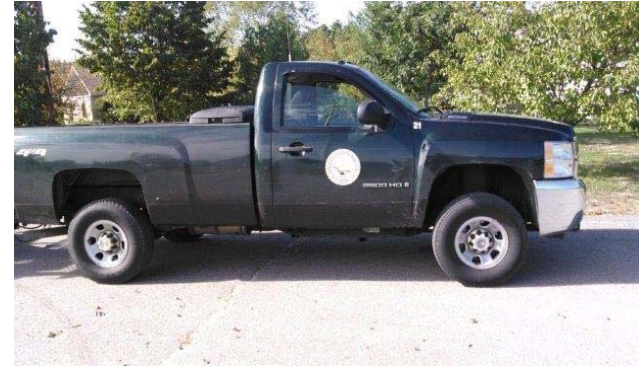
Capital Plan

Town of Groton, Massachusetts
CAPITAL PLAN
Fiscal Years 2018 - 2023

		APPROVED						
Page	Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total Funding Source
HIGHWAY								
7	Pick-Up Trucks		\$ 40,000		\$ 40,000		\$ 80,000	Capital Asset
8	Brush Mower/Field Mower			\$ 45,000			\$ 45,000	Capital Asset
9	Intermediate Truck	\$ 70,000			\$ 60,000		\$ 75,000	Capital Asset
10	Dump Truck		\$ 40,000	\$ 40,000	\$ 40,000	\$ 80,000	\$ 80,000	Capital Asset
11	Backhoe			\$ 95,000				Capital Asset
12	Highway Building Upgrade		\$ 40,000	\$ 2,000,000				CA and Bond
Subtotal		\$ 70,000	\$ 120,000	\$ 2,180,000	\$ 140,000	\$ 80,000	\$ 155,000	\$ 2,675,000

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ 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 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ 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 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ -	\$ 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 2019 - FY 2023

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. The anticipated cost of replacement for each one of these trucks is \$185,000. It is proposed that the Town borrow the funds through State House notes and pay off the debt over five years.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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	\$ 80,000	\$ 80,000	\$ 280,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ 40,000	\$ 40,000	\$ 40,000	\$ 80,000	\$ 80,000	\$ 280,000

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 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ 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 2019 - FY 2023

Capital Plan

TOWN OF GROTON CAPITAL PLAN -**PROJECT DETAIL SHEET**Project Title: **BUILDING UPGRADE**Department: **HIGHWAY**Reason for Need:

The current Highway Garage was constructed in 1989. Due to budgetary constraints, the facility was reduced in size and scope and is need of an upgrade, similar to upgrades at the Police Station and Senior Center. In FY 2019, the Town would hire a consultant to review the building and conduct a feasibility study that would propose necessary upgrades. Based on the results of the feasibility study, the Town would seek construction funding through a general obligation bond in FY 2020.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design	CA	\$ 40,000					\$ 40,000
C. Land Acquisition							\$ -
D. Construction	GB		\$ 2,000,000				\$ 2,000,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ 40,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,040,000

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 2019 - FY 2023

Capital Plan

Town of Groton, Massachusetts
CAPITAL PLAN
Fiscal Years 2018 - 2023

		APPROVED								
Page	Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total	Funding Source	
TOWN MUNICIPAL FACILITIES										
13	IT Infrastructure/Computer Purchase	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 200,000	Capital & General	
14	Public Safety Dispatch (Update)	\$ 60,000	\$ 60,000	\$ 60,000				\$ 120,000	Capital Asset	
15	Enclose Second Floor Meeting Room		\$ 40,000					\$ 40,000	Capital Asset	
16	Municipal Buildings Exterior Repairs	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000	Capital Asset	
17	Paint Police Station/Roof Repairs			\$ 20,000	\$ 50,000			\$ 70,000	Capital Asset	
18	Country Club Roof				\$ 50,000			\$ 50,000	Capital Asset	
19	Police Station HVAC						\$ 65,000	\$ 65,000	Capital Asset	
	Police Station Parking Lot	\$ 40,000						\$ -	Capital Asset	
Subtotal		\$ 165,000	\$ 165,000	\$ 145,000	\$ 165,000	\$ 65,000	\$ 130,000	\$ 670,000		

TOWN OF GROTON CAPITAL PLAN -**PROJECT DETAIL SHEET**Project Title: **BUILDING UPGRADE**Department: **HIGHWAY**Reason for Need:

The current Highway Garage was constructed in 1989. Due to budgetary constraints, the facility was reduced in size and scope and is need of an upgrade, similar to upgrades at the Police Station and Senior Center. In FY 2019, the Town would hire a consultant to review the building and conduct a feasibility study that would propose necessary upgrades. Based on the results of the feasibility study, the Town would seek construction funding through a general obligation bond in FY 2020.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design	CA	\$ 40,000					\$ 40,000
C. Land Acquisition							\$ -
D. Construction	GB		\$ 2,000,000				\$ 2,000,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ 40,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,040,000

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 2019 - FY 2023

Capital Plan

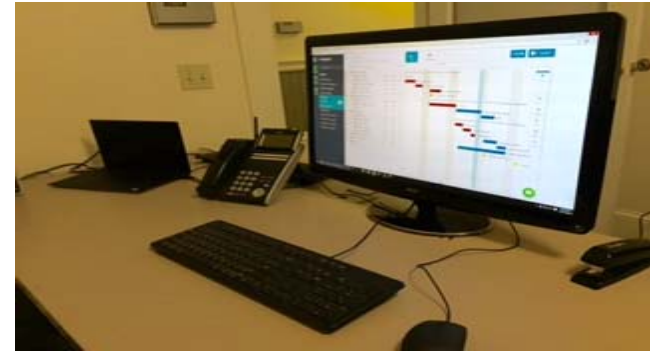
TOWN OF GROTON CAPITAL PLAN - PROJECT DETAIL SHEET

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 2019, 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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	CA/OR	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 200,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ 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 2019 - FY 2023

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 was proposed that another update/remodel take place in 2018. Town Meeting appropriated \$60,000 last Fiscal Year for this purpose. In an effort to continue to update and improve the facility, the Chief of Poilce has requested two additional appropriations pof \$60,0000 in each of the next two fiscal years. 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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction	CA	\$ 60,000	\$ 60,000				\$ 120,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL		\$ 60,000	\$ 60,000	\$ -	\$ -	\$ -	\$ 120,000

Sources of Funds Legend:

FY 2019 - FY 2023

Capital Plan

TOWN OF GROTON CAPITAL PLAN - PROJECT DETAIL SHEET

Project Title: **ENCLOSE SECOND FLOOR MEETING ROOM**

Department: **TOWN MUNICIPAL FACILITIES**

Reason for Need:

The second floor meeting room was originally scheduled to be enclosed when the Town Hall was renovated in 1999. Due to budgetary and other reasons it was not and continues to be open to the rest of the second floor. This causes issues when meetings are going on during regular business hours. It is very loud on the second floor and very difficult to conduct meetings while regular business is taking place. This request for funding will enclose the second floor meeting room, keeping with the architecture of the building, and providing funding for new furnishings and equipment.



RECOMMENDED FINANCING

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction	CA	\$ 40,000					\$ 40,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ 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 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ 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 2019 - FY 2023

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 is scheduled to be repainted in Fiscal Year 2020. 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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ 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 2019 - FY 2023

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 the 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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ -	\$ 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 2019 - FY 2023

Capital Plan

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

The current HVAC System at the Police Station is the original system from when the Building was constructed in 1999. In 2023 it will be almost 25 years old and in need of replacement. This should be considered a scheduled replacement.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction	CA					\$ 65,000	\$ 65,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ 65,000	\$ 65,000

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 2019 - FY 2023

Capital Plan

Town of Groton, Massachusetts
CAPITAL PLAN
Fiscal Years 2018 - 2023

		APPROVED							
Page	Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total	Funding Source
TRANSFER STATION									
20	Tractor Trailer Unit/Trash Trailer	\$ 90,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000		\$ 160,000	Capital Asset
21	Baler				\$ 60,000			\$ 60,000	Capital Asset
22	Fork Lift/Mini Loader					\$ 60,000		\$ 60,000	Capital Asset
Subtotal		\$ 90,000	\$ 40,000	\$ 40,000	\$ 100,000	\$ 100,000	\$ -	\$ 280,000	

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. The anticipated cost of replacement for this tractor is \$140,000. It is proposed that the Town borrow the funds through State House notes and pay off the debt over four years.



RECOMMENDED FINANCING

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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		\$ 160,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ -	\$ 160,000

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 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ -	\$ 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 2019 - FY 2023

Capital Plan

TOWN OF GROTON CAPITAL PLAN -**PROJECT DETAIL SHEET**Project Title: **FORK LIFT/MINI LOADER**Department: **TRANSFER STATION**Reason for Need:

This is a vital piece of equipment at the transfer station. It is used to load the two balers located at the facility. In addition, it is used to move the various recyclables around the facility. This piece of equipment is a work horse and this should be considered a scheduled replacement.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ 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 2019 - FY 2023

Capital Plan

Town of Groton, Massachusetts
CAPITAL PLAN
Fiscal Years 2018 - 2023

		APPROVED						
Page	Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total Funding Source
LIBRARY								
	Exterior Building and Parking Lot Lights	\$ 30,000					\$ -	Capital Asset
23	Carpet Replacement					\$ 20,000	\$ 20,000	Capital Asset
24	Emergency Exit Walkway Safety Improve		\$ 40,000				\$ 40,000	Capital Asset
25	New Gutter/Repair Water Damage			\$ 80,000			\$ 80,000	Capital Asset
26	Upgrade Building Alarm System				\$ 20,000		\$ 20,000	Capital Asset
27	Repaint Library Interior					\$ 55,000	\$ 55,000	Capital Asset
28	Redo Interior Lighting						\$ 40,000	Capital Asset
29	Reconstruct Parking Lot				\$ 80,000		\$ 80,000	Capital Asset
Subtotal		\$ 30,000	\$ 40,000	\$ 80,000	\$ 100,000	\$ 75,000	\$ 40,000	\$ 335,000

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ 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 2019 - FY 2023

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction	CA	\$ 40,000					\$ 40,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL		\$ 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

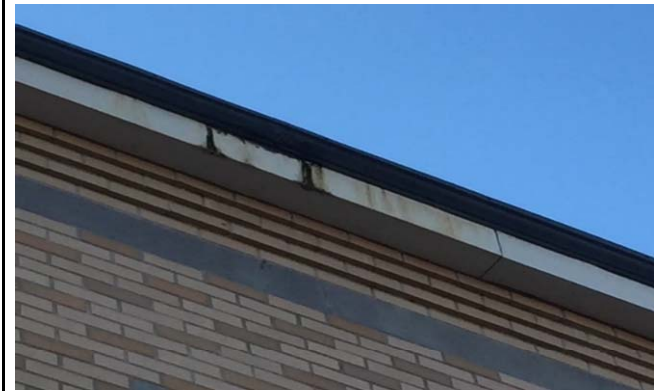
(WE) Water Enterprise Fund Fees

FY 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	CA		\$ 80,000				\$ 80,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ 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 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ -	\$ 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 2019 - FY 2023

Capital Plan

TOWN OF GROTON CAPITAL PLAN -

PROJECT DETAIL SHEET

Project Title: **REPAINT LIBRARY INTERIOR**

Department: **LIBRARY**

Reason for Need: The entire library (17,000 sq. ft.) was last painted in 1999. While we keep on top of maintenance, after a quarter century, it will be time for a fresh coat of paint on all ceilings and walls, door jams, and interior window trim. The present interior color scheme was decided upon the 1990's, and while it is still beautiful, it has started to look a little dated. It will be good to update in the not-too-distant future.



RECOMMENDED FINANCING

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction	CA				\$ 55,000		\$ 55,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ 55,000	\$ -	\$ 55,000

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 2019 - FY 2023

Capital Plan

TOWN OF GROTON CAPITAL PLAN -**PROJECT DETAIL SHEET**Project Title: **REDO INTERIOR LIGHTING**Department: **LIBRARY**

Reason for Need: The lighting was last done in 1999 with the building renovation and expansion. By FY2022, the fixtures will all be 22 years old. Many of our lights cannot be retrofitted with LED bulbs, which would amount to a substantial savings in electricity to the Town every year. The Trustees would like to hire a lighting consultant to ensure we optimize the environment for cost savings and comfort for our users, as well as to address current issues, such as pockets of inadequate lighting, the discoloration of the dome lights, and the constant "hum" of the florescent lights (which is particularly noticeable in the quiet study area on the top floor.) The picture shows three common lighting fixtures in the building: long runs of florescents, dome lights, and pot lights.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction	CA					\$ 40,000	\$ 40,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL		\$ -	\$ -	\$ -	\$ -	\$ 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 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ -	\$ 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 2019 - FY 2023

Capital Plan

Town of Groton, Massachusetts
CAPITAL PLAN
Fiscal Years 2018 - 2023

		APPROVED						
Page	Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total Funding Source
COUNCIL ON AGING								
30	New/Renovate Senior Center		\$ 5,000,000					\$ 5,000,000 Bond
								\$ -
								\$ -
Subtotal		\$ -	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction	GB	\$ 5,000,000					\$ 5,000,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000

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 2019 - FY 2023

Capital Plan

Town of Groton, Massachusetts
CAPITAL PLAN
Fiscal Years 2018 - 2023

		APPROVED							
Page	Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total	Funding Source
PARKS									
31	Property Improvements		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000		\$ 100,000	Capital Asset
32	Cow Pond Brook Walking Track					\$ 140,000		\$ 140,000	Capital Asset
Subtotal		\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 165,000	\$ -	\$ 240,000	

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 \$25,000 each year for four years, 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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction	CA	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 100,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 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 2019 - FY 2023

Capital Plan

TOWN OF GROTON CAPITAL PLAN - PROJECT DETAIL SHEET

Project Title: **COW POND BROOK WALKING TRACK**

Department: **PARK COMMISSION**

Reason for Need:

This is a 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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ 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 2019 - FY 2023

Capital Plan

Town of Groton, Massachusetts
CAPITAL PLAN
Fiscal Years 2018 - 2023

		APPROVED									
Page	Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total	Funding Source		
POLICE											
33	Police Cruisers	\$ 91,092	\$ 92,458	\$ 93,845	\$ 95,253	\$ 96,681	\$ 98,132	\$ 476,368	Capital Asset		
	ATV	\$ 18,000						\$ -	Capital Asset		
Subtotal		\$ 109,092	\$ 92,458	\$ 93,845	\$ 95,253	\$ 96,681	\$ 98,132	\$ 476,368			

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	CA	\$ 92,458	\$ 93,845	\$ 95,253	\$ 96,681	\$ 98,132	\$ 476,369
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ 92,458	\$ 93,845	\$ 95,253	\$ 96,681	\$ 98,132	\$ 476,369

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 2019 - FY 2023

Capital Plan

Town of Groton, Massachusetts
CAPITAL PLAN
Fiscal Years 2018 - 2023

		APPROVED							
Page	Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total	Funding Source
GROTON COUNTRY CLUB									
34	Golf Carts				\$ 25,000	\$ 25,000	\$ 25,000	\$ 75,000	Capital Asset
35	Replace Irrigation Pump and Lines		\$ 23,000					\$ 23,000	Capital Asset
36	Parking Lot Improvements						\$ 10,000	\$ 10,000	Capital Asset
37	Pool Improvements			\$ 15,000		\$ 10,000		\$ 25,000	Capital Asset
38	Cart Path Repairs			\$ 10,000				\$ 10,000	Capital Asset
	Boom Sprayer Unit	\$ 6,500						\$ -	Capital Asset
39	Triplex - Greens Mower	\$ 5,100	\$ 5,100	\$ 5,100	\$ 5,100			\$ 15,300	Capital Asset
Subtotal		\$ 11,600	\$ 28,100	\$ 30,100	\$ 30,100	\$ 35,000	\$ 35,000	\$ 158,300	

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	CA			\$ 25,000	\$ 25,000	\$ 25,000	\$ 75,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 75,000

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 2019 - FY 2023

Capital Plan

TOWN OF GROTON CAPITAL PLAN -**PROJECT DETAIL SHEET**Project Title: **IRRIGATION PUMPS AND LINES**Department: **GROTON COUNTRY CLUB**

Reason for Need:

The irrigation pump is 25 years old and needs replacing. The lines leading from the pump house to the clubhouse are old and are mostly underwater making repairs extremely difficult and costly.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	CA	\$ 23,000					\$ 23,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ 23,000	\$ -	\$ -	\$ -	\$ -	\$ 23,000

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 2019 - FY 2023

Capital Plan

TOWN OF GROTON CAPITAL PLAN -**PROJECT DETAIL SHEET**Project Title: **PARKING LOT IMPROVEMENTS**Department: **GROTON COUNTRY CLUB**

Reason for Need:

The Club's parking lot is in need of resurfacing and striping.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		-					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction	CA					\$ 10,000	\$ 10,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000

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 2019 - FY 2023

Capital Plan

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

Project Title: POOL IMPROVEMENTS

Department: GROTON COUNTRY CLUB

Reason for Need:

The pool area will require a number of new items in the near future: Diving Board, repainting of pool, repairs to the deck, Slide, Filter Housing, Playground, Spray Pad.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	CA		\$ 15,000		\$ 10,000		\$ 25,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ 15,000	\$ -	\$ 10,000	\$ -	\$ 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 2019 - FY 2023

Capital Plan

TOWN OF GROTON CAPITAL PLAN -**PROJECT DETAIL SHEET**Project Title: **CART PATH**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.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study		.					\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction	CA		\$ 10,000				\$ 10,000
E. Furnishings and Equipment							\$ -
F. Departmental Equipment							\$ -
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ 10,000

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 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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			\$ 15,300
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ 5,100	\$ 5,100	\$ 5,100	\$ -	\$ -	\$ 15,300

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 2019 - FY 2023

Capital Plan

Town of Groton, Massachusetts
CAPITAL PLAN
Fiscal Years 2018 - 2023

WATER, SEWER AND REGIONAL SCHOOL DEPARTMENT

		APPROVED								
Page	Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total	Funding Source	
WATER										
40	Water Meter Replacement Program		\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000		\$ 300,000	Water Revenue	
41	Shattuck Well					\$ 3,300,000		\$ 3,300,000	Water Revenue	
Subtotal		\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ 3,375,000	\$ -	\$ 3,600,000		
SEWER										
42	Lost Lake Sewer System						\$ 14,500,000	\$ 14,500,000	Sewer Betterments	
43	Wastewater Treatment Plant Upgrades		\$ 1,250,000					\$ 1,250,000	Sewer Revenue	
Subtotal		\$ -	\$ 1,250,000	\$ -	\$ -	\$ -	\$ 14,500,000	\$ 15,750,000		
REGIONAL SCHOOL DEPARTMENT										
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Capital Improvement Program Total		\$ -	\$ 1,325,000	\$ 75,000	\$ 75,000	\$ 3,375,000	\$ 14,500,000	\$ 19,350,000		

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

The Groton Water Department is replacing its Drive-by Meter Reading System with the State of the Art radio system using cell towers. The meter replacements need to be made on a 10 - 15 year cycle.

**RECOMMENDED FINANCING**

	SOURCE OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL COST
A. Feasibility Study							\$ -
B. Design							\$ -
C. Land Acquisition							\$ -
D. Construction							\$ -
E. Furnishings and Equipment							\$ -
F. Departmental Equipment	WE	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000		\$ 300,000
G. Contingency							\$ -
H. Other							\$ -
TOTAL:		\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ -	\$ 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

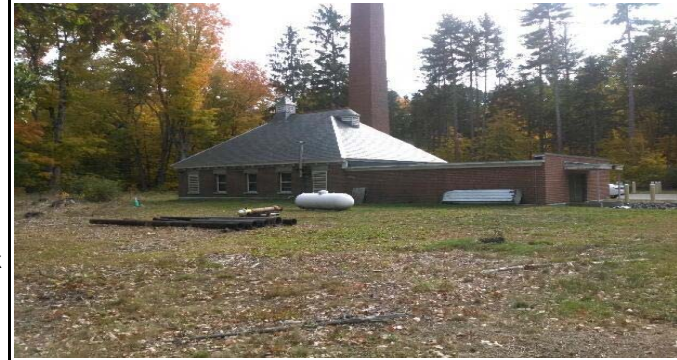
(WE) Water Enterprise Fund Fees

FY 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL 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							\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ 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 2019 - FY 2023

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 OF FUNDS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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							\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ 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 2019 - FY 2023

Capital Plan

TOWN OF GROTON CAPITAL PLAN -

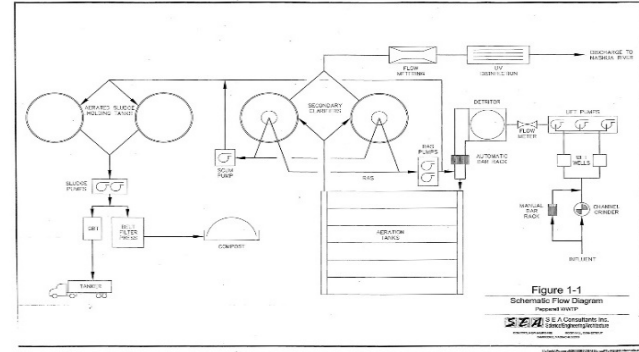
PROJECT DETAIL SHEET

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	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							\$ -
TOTAL:		\$ 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
 (GB) General Obligation Bond (ST) Stabilization Fund (FC) Free Cash/Other (WE) Water Enterprise Fund Fees

FY 2019 - FY 2023

Capital Plan