

City of Framingham 5 Year Capital Improvement Program FY2026-FY2030
Capital Project Request Form for FY2026 Projects

FY2026 Project requests must meet the definition of a Capital Project

A capital project is a major, nonrecurring expenditure that meets one or more of the following criteria:

The capital improvement is a tangible asset or project estimated to cost over \$25,000 and to have or to extend five or more years of useful life.

The community would legally be allowed to borrow for the expense under M.G.L. c. 44, § 7 and M.G.L. c.44, § 8.

The expenditure is for real property acquisitions, construction, and long-life capital equipment.

The project is for improvements to physical infrastructure (e.g., streets, sidewalks, and stormwater drains) and renovations of existing capital items that extend their useful lifespans.

The purchase or long-term capital lease is for vehicles or heavy equipment that have an expected useful life of 5 or more years.

The expenditure is to pay for the planning, engineering, or design services required for a construction or renewal project that itself qualifies as a capital expenditure.

The purchase is for bulk purchases of similar items, like software, furniture, or radios with an expected useful life of three or more years that, when aggregated, have total costs exceeding \$25,000.

Project Name	Walnut St., Warren Rd., Burdette Ave. Water Main Improvements
Project Status	New

Project Lead Name William Sedewitz

Email address wrs@framinghamma.gov

Project Fiscal Year 2026 Department Priority # 2

Priority - Select the appropriate priority level based on the definitions below:

Urgent - addresses an imminent risk to the safety of the public or municipal personnel, and/or prevents the imminent destruction or collapse of public infrastructure or loss of assets.

High - necessary to ensure consistent, level service for the upcoming fiscal year. This priority type includes systems that are likely to fail, e.g., replacement of old or worn-out equipment, dramatically rehabilitate aging facilities, or facilitate a department's ability to meet increased service demands.

Moderate - either replaces assets that have outlived their useful life, enhances a benefit to the community over and above the existing level of service, results in cost savings or other efficiencies, or directly supports community's economic base by increasing property values.

Low - provides additions or improvements to services or programs having social, cultural, historic, economic, or aesthetic value, but does not require immediate approval and implementation.

Physical location/address of project/equipment

Walnut Street, Warren Road, Prindiville Avenue, and Burdette Avenue

Project Status - Select the appropriate priority level based on the definitions below:

New - first time submission

Recurring - a routine project that must be completed annually or periodically, such as upgrading a pumping station's infrastructure or rehabilitating athletic fields.

Resubmission - a project was submitted in a previous year but not approved.

Revision/Upgrade to Previous Project - the scope of this project has changed or requires additional resources.

Project Financing

Estimated Project Cost - Enter the estimated cost of the project or asset. You are required to attach any quotes or other documentation to support the cost.

Amount Requested \$ 7,586,000

Life Expectancy - provide the number of years the asset is expected to last

75

Estimated timeframe to complete project or to receive asset - in months or years, estimate the duration of the project or the timeframe for delivery of equipment or asset. For example, if a new ambulance requires a build out and delivery time of 1 year, enter 1 year.

Estimated date for completion or delivery 24 Months

Timeframe - Additional Explanation

0

Proposed Funding Sources - Provide (if applicable) any potential grants, donations, or other available funds to supplement the regular financing of capital projects and assets. Attach documentation of possible grant opportunities, along with the community's funding requirements for acceptance. Describe and provide documentation for available discounts or cost reductions, such as trade in value.

Bond General Fund

Bond Enterprise Fund

Free Cash/Retained Earnings

_____ CPA

_____ Grant

_____ Other Type of Loan

_____ Other

_____ Matching Requirements

Additional explanation/information related to funding source(s)

0

Project Description

Provide a basic description of the proposed project or equipment purchase, including:

- Location (if a building)
- Type of building
- Intended use(s)
- Whether land acquisition will be necessary (if a building)
- Discussion of primary cost drivers
- Stakeholders involved
- Narrative of qualification for specific funding source (e.g., grants, CPA)

This project will upgrade outdated water mains and replace black-plastic water service lines on Walnut Street, Warren Road, Prindiville Avenue, and Burdette Avenue. This project is planned to be bid in combination with construction of the replacement force main from the Worcester Road Sewer Pump Station and gravity sewers on Warren Road, Prindiville Avenue, and Burdette Avenue.

Project Justification

Provide justification for the project. Highlight the specific benefits that will directly result from completing the project. These details may depend on the chosen priority level and purpose. For instance, if the priority level is “Moderate” and purpose is “Service Enhancement,” describe any and all new benefits the project offers, including any cost savings or efficiencies. Additionally, state how the project will benefit community and administrative stakeholders and explain any negative impacts or potential consequences of not approving the project. This information is particularly important for projects classified as “Urgent/Compliance with Law” and “Ensure Public Safety”.

Sections of watermain on Walnut Street, Warren road and Burdette Ave are undersized and/or over 100 years old and past their useful life. Other areas have water main that is post-World War II cast iron, which is notorious for being susceptible to failure. In addition, many of the water services are made of black plastic that is prone to failure not only in Framingham but throughout the US and Canada.

If project is phased over several years indicate how many phases are complete

Which phase of project is requested?

Purpose of Project - check all that apply and include detail on what is being replaced or requested as new

Replace existing infrastructure

Replace existing capital asset

Replace existing vehicle

Replace existing equipment

New infrastructure

New capital asset

New vehicle

New equipment

Strategic/Comprehensive/Master Plan

Project Type - check all that apply

Land acquisition

Planning/Feasibility Study

Design

Construction

Equipment

Vehicle

Contingency

Other

Asset Type

Land

Municipal Building

School Building

Water/Sewer Infrastructure

Roadway Infrastructure

Traffic/Streetlight Infrastructure

Waterway/Beach

Recreation Trail

Bridge

Park/Playground/Athletic Field

Vehicle

Equipment

Software/Technology

Refuge/Recycling Center

Other

Project Community Impact

Health & Safety

Education

Aesthetics/Historic preservation

Environmental sustainability

Economic development

Cultural/Recreational opportunity

Service Improvement

Level Service Maintenance

Impact to Operating/Enterprise Budgets - explain the project's temporary and/or long-term impact on the operating budget. For example, capital construction projects can result in increased operating costs. Costs may increase during the project's duration (e.g., increased use of one building while another is demolished and reconstructed) or be longer lasting, such as new a building resulting in increased utility costs or the hiring of additional maintenance personnel.

Increase/Decrease to Personnel

Explanation

Increase/Decrease to Operating

Explanation

Additional Information

Checklist for completion

FY2026 Project Request PDF file includes form, updated vendor memos/quote/pricing, photos

Save each FY2026 project request as separate PDF file (Department name/Project Name) to T Drive/Finance/CIP 26-30/Department Folder



CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | OPERATIONS

OPERATIONS CENTER
100 Western Avenue
Framingham, MA 01702

508-532-6060
wastewater@framinghamma.gov
www.framinghamma.gov

MEMORANDUM

DATE: 9/5/2024

TO: Robert Lewis
Director of Public Works

FROM: Steve Leone
Director of Water and Wastewater

RE: **FY2026 Walnut St Sewer Force Main & Gravity Sewer Construction & FY2026 Walnut St, Warren Rd, Burdette Ave Water Main Improvements**

Wastewater Improvements

The Worcester Road Pump Station (WRPS) is the second largest in the city, handling wastewater from approximately 28 percent of the City's sewer service area. The WRPS service area consists of a mixture of residential properties, businesses, commercial properties and institutional facilities. The average wastewater flow from the station is approximately 1.4 million gallons per day. The station was constructed in 1965 and is currently being replaced.

Wastewater from the station is pumped approximately 4,700 linear feet (LF) through a 16-inch diameter cast iron force main. The force main travels cross country from the station to Main Street, then south along Walnut Street, west along Buckminster Street, west along Mt. Wayte Avenue, through the Buckley Apartments property, and discharges to the Farm Pond Sewer Interceptor adjacent to the CSX Railroad. The force main was constructed in 1965 and is problematic for multiple reasons.

The age and material of the force main, and the soil conditions surrounding it, make it susceptible to failure. Breaks in the spring of 2022 and the summer of 2024 each released in excess of 500,000 gallons of untreated wastewater to the Sudbury River. Analytical testing of the pipe identified substantial graphitic corrosion. Another concern is the limited hydraulic capacity in Farm Pond Interceptor which could restrict growth within the Technology Park and the surrounding area. Finally, the current force main discharge location is within the Buckley Apartment complex. A failure there could significantly impact the apartment buildings and would be a challenging location to excavate to repair the pipe.

The intent is to relocate the force main to the East Framingham Sewer Improvements Project (EFSIP) interceptor that was installed in 2011. The new alignment would be along Walnut Street, Warren Road, Prindiville Street and Burdette Avenue. The new pipe would be significantly more resilient and reliable, and provide additional hydraulic capacity in the Farm Pond Interceptor. Gravity sewer pipe along this new alignment, some dating to 1914, will be replaced as part of the project. We are requesting funding in the sum of **\$22,348,000 for FY2026 Walnut St Sewer Force Main & Gravity Sewer Construction** to accomplish this work. The City has submitted a State Revolving Fund (SRF) application to help offset the cost of this project to

Framingham rate payers. The work would be done in conjunction with necessary water system improvements along the same alignment.

Water Improvements

Sections of watermain on Walnut Street, Warren Road, Prindiville Street and Burdette Avenue are undersized and/or over 100 years old and past their useful life. This capital request in the sum of **\$7,586,000 for FY2026 Walnut St, Warren Rd, Burdette Ave Water Main Improvements** is to fund the construction intended to be done contemporaneously with sewer construction. This project will also include the replacement of any water services that don't meet current industry standards, including a specific type of HDPE plastic pipe fabricated with a longitudinal seem that is highly prone to splitting.

Attachments

Attached are figures showing the extent of the wastewater and water work along with preliminary construction costs estimates prepared by Hazen and Sawyer.

FY2026 Capital Request - Walnut, Warren, Burdette Water Mains





City of Framingham
Walnut, Warren, Burdette PDR - Water Main
Conceptual - Revised
Estimate Summary - Work Breakdown Structure (WBS)

Date: 8/26/2024
 Date of Estimate Pricing: 7/12/2024

Description	Total
Water Main Replacement	\$ 1,814,175
Earth And Rock Excavation	\$ 69,243
Miscellaneous Fill Materials	\$ 52,987
Traffic Management	\$ 412,087
Sidewalk Restoration	\$ 46,612
Paving	\$ 242,462
Miscellaneous	\$ 342,954
Subtotal:	\$ 2,980,520
Special Conditions 5.0% on \$ 2,980,520	\$ 149,026
Small Tools (Applied on Labor) 2.0% on \$ 1,091,741	\$ 21,835
Incidental Overtime (Applied on Labor) 15.0% on \$ 1,091,741	\$ 163,761
Direct Costs Subtotal:	\$ 3,315,143
General Conditions 15.0% on \$ 3,315,143	\$ 497,271
Indirect Costs Subtotal:	\$ 497,271
Direct and Indirect Costs Total:	\$ 3,812,414
Add-On / Mark-Up	
Labor Escalation at 4.5% annually 12.5% on \$ 1,740,226	\$ 216,736
Material/Equipment Escalation at 5% annually 13.9% on \$ 2,072,188	\$ 287,931
Subtotal:	\$ 4,317,081
Value of Subcontracted Work assumed at 30% \$ 1,295,124	
Subcontractor Overhead, Profit and Fee 25.0% on \$ 1,295,124	\$ 323,781
Subtotal:	\$ 4,640,862
Prime Contractor Overhead 10.0% on \$ 3,021,957	\$ 302,196
Subtotal:	\$ 4,943,058
Prime Contractor Profit 10.0% on \$ 3,324,153	\$ 332,415
Subtotal:	\$ 5,275,473
Prime Profit on Subcontracted Work 5.0% on \$ 1,618,905	\$ 80,945
Subtotal:	\$ 5,356,419
Bond and Insurance 3.0%	\$ 160,693
Subtotal:	\$ 5,517,111
Design Contingency 25.0%	\$ 1,379,278
Subtotal:	\$ 6,896,389
Contract Allowances and Unit Prices 10.0%	\$ 689,639
Total (rounded):	\$ 7,586,000

Note: Project Assumptions NTP: 6/1/26, 547.5 CCD (18 months)

Location Code	sub*	Description	Quantity	Unit	Notes	Total Unit Cost	Total Amount
						\$ -	\$ -
		Alternative 1B				\$ -	\$ -
		Water Main				\$ -	\$ -
						\$ -	\$ -
		Water Main Replacement	4,795	lf		\$ -	\$ -
						\$ -	\$ -
WM		6" DIP	45	lf		\$ 155	\$ 6,971
WM		6" DIP Fittings	10	ea		\$ 1,390	\$ 13,898
WM		6" DIP Gate Valve	3	ea		\$ 2,067	\$ 6,202
						\$ -	\$ -
WM		8" DIP	1,588	lf		\$ 180	\$ 286,318
WM		8" DIP Fittings	10	ea		\$ 758	\$ 7,579
WM		8" DIP Gate Valve	5	ea		\$ 2,897	\$ 14,484
						\$ -	\$ -
WM		12" DIP	2,162	lf		\$ 317	\$ 684,298
WM		12" DIP Fittings	10	ea		\$ 1,394	\$ 13,938
WM		12" DIP Gate Valve	5	ea		\$ 4,022	\$ 20,109
						\$ -	\$ -
WM		1" Copper Service	1,000	lf		\$ 37	\$ 36,977
WM		1" Copper Fitting and corp stop w/ curb box	85	ea		\$ 396	\$ 33,637
						\$ -	\$ -
WM		Hydrant Assembly	8	ea		\$ 9,240	\$ 73,918
						\$ -	\$ -
WM		Cut And Cap Existing Main	6	ea		\$ 505	\$ 3,033
WM						\$ -	\$ -
WM		Water Main Earthwork	1,707	cy		\$ -	\$ -
WM		Sawcut Pavement	9,590	lf		\$ 1.56	\$ 14,956
WM		Earth Excavation	1,707	cy		\$ 15	\$ 26,183
WM		Haul and Dispose	2,133	lcy		\$ 60	\$ 127,436
WM		Backfill	1,317	cy		\$ 35	\$ 45,996
WM		Crushed Stone	390	cy		\$ 50	\$ 19,541
						\$ -	\$ -
WM		Temporary Bypass Installation	130	days	Relocate Every 2 Days	\$ 2,682	\$ 348,703
WM		Temporary Bypass Pipe HDPE	1	ls		\$ 30,000	\$ 30,000
						\$ -	\$ -
		Rock Excavation		cy		\$ -	\$ -
						\$ -	\$ -
EXC		Rock Excavation	50	cy		\$ 171	\$ 8,526
EXC		Haul and Dispose - Rock	63	lcy		\$ 63	\$ 3,940
						\$ -	\$ -
EXC		Earth Excavation For Test Pits	60	cy		\$ 455	\$ 27,274
EXC		Backfill	75	lcy		\$ 324	\$ 24,333
EXC		Sawcut Pavement	400	lf		\$ 12	\$ 4,773
EXC		Stockpile	20	sy		\$ 20	\$ 396
						\$ -	\$ -
		Miscellaneous Fill Materials	100	cy		\$ -	\$ -
						\$ -	\$ -
FILL		Backfill	50	cy		\$ 35	\$ 1,747
FILL		Hauling	63	lcy		\$ 33	\$ 2,065
						\$ -	\$ -
FILL		Gravel Fill	50	cy		\$ 43	\$ 2,141
FILL		Hauling	63	lcy		\$ 33	\$ 2,065
						\$ -	\$ -
FILL		Crushed Stone	50	cy		\$ 50	\$ 2,505
FILL		Hauling	63	lcy		\$ 33	\$ 2,065
						\$ -	\$ -
FILL		Loam And Seed	100	sy		\$ -	\$ -
FILL		Loam	17	cy		\$ 50	\$ 842
FILL		Seed	100	sy		\$ 14	\$ 1,369
						\$ -	\$ -
FILL		Restoration Of Wetland Resource Areas	100	sy		\$ 78	\$ 7,769
						\$ -	\$ -
FILL		Additional Concrete (No form or Reinforcement)	100	cy		\$ 304	\$ 30,420
						\$ -	\$ -
						\$ -	\$ -
		Traffic Management	1	ls		\$ -	\$ -
						\$ -	\$ -

Location Code	sub*	Description	Quantity	Unit	Notes	Total Unit Cost	Total Amount
MoT		Traffic Barrels Rent	9,000	Barrel Day		\$ 4.97	\$ 44,730
MoT		Relocation	20	times		\$ 1,834	\$ 36,685
						\$ -	\$ -
MoT		Traffic Signs	80	ea		\$ 220	\$ 17,627
						\$ -	\$ -
MoT		Portable Changeable Message Signs - Rent	392	board wk.		\$ 705	\$ 276,360
MoT		Relocation	20	times		\$ 1,834	\$ 36,685
						\$ -	\$ -
						\$ -	\$ -
		Sidewalk Restoration	56	sy		\$ -	\$ -
						\$ -	\$ -
SW		Remove And Reset Exist Curb	100	lf		\$ 13	\$ 1,321
SW		New Concrete Curb	100	lf		\$ 49	\$ 4,857
						\$ -	\$ -
SW		Additional Concrete Sidewalk Restoration	504	sf		\$ 9.52	\$ 4,800
SW		Gravel Base	504	sf		\$ 2.62	\$ 1,319
						\$ -	\$ -
SW		Temporary Pavement Striping (Paint)	4,795	lf		\$ 1.30	\$ 6,240
						\$ -	\$ -
SW		Permanent Pavement Striping (Epoxy)	14,385	lf		\$ 1.95	\$ 28,075
						\$ -	\$ -
						\$ -	\$ -
		Paving	3,729	sy		\$ -	\$ -
						\$ -	\$ -
P		Temporary Pavement	3,197	sy		\$ -	\$ -
P		Asphaltic Layer 4"	3,197	sy		\$ 18	\$ 57,850
P		Base	3,197	sy		\$ 12	\$ 37,070
P		Removal	352	cy		\$ 31	\$ 10,773
P		Haul asphalt	352	cy		\$ 30	\$ 10,457
						\$ -	\$ -
P		Permanent Pavement 7' Wide	3,729	sy	assume collector street	\$ -	\$ -
P		Wearing 2"	3,729	sy		\$ 11	\$ 40,337
P		Binder 4"	3,729	sy		\$ 18	\$ 67,491
P		Haul asphalt	622	cy		\$ 30	\$ 18,485
						\$ -	\$ -
						\$ -	\$ -
		Miscellaneous	1	ls		\$ -	\$ -
						\$ -	\$ -
M		Erosion Control	4,795	lf		\$ 6.45	\$ 30,906
M		Dewatering	210	days	(incidental)	\$ 796	\$ 167,252
M		Dewatering Treatment System	1	ls		\$ 82,167	\$ 82,167
						\$ -	\$ -
M		Calcium Chloride	800	lb	Material Only	\$ 0.38	\$ 302
						\$ -	\$ -
						\$ -	\$ -
M		Miscellaneous Utility Relocation Allowance	1	ls		\$ 62,327	\$ 62,327
						\$ -	\$ -
						\$ -	\$ -
						\$ -	\$ -
						\$ -	\$ -
						\$ -	\$ -
						\$ -	\$ -

City of Framingham 5 Year Capital Improvement Program FY2026-FY2030
Capital Project Request Form for FY2026 Projects

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The capital improvement is a tangible asset or project estimated to cost over \$25,000 and to have or to extend five or more years of useful life.

The community would legally be allowed to borrow for the expense under M.G.L. c. 44, § 7 and M.G.L. c.44, § 8.

The expenditure is for real property acquisitions, construction, and long-life capital equipment.

The project is for improvements to physical infrastructure (e.g., streets, sidewalks, and stormwater drains) and renovations of existing capital items that extend their useful lifespans.

The purchase or long-term capital lease is for vehicles or heavy equipment that have an expected useful life of 5 or more years.

The expenditure is to pay for the planning, engineering, or design services required for a construction or renewal project that itself qualifies as a capital expenditure.

The purchase is for bulk purchases of similar items, like software, furniture, or radios with an expected useful life of three or more years that, when aggregated, have total costs exceeding \$25,000.

Project Name	Fire Flow Restoration and Improvement Program
Project Status	Recurring

Project Lead Name Stephen Leone

Email address sjl@framinghamma.gov

Project Fiscal Year 2026 Department Priority # 3

Priority - Select the appropriate priority level based on the definitions below:

Urgent - addresses an imminent risk to the safety of the public or municipal personnel, and/or prevents the imminent destruction or collapse of public infrastructure or loss of assets.

High - necessary to ensure consistent, level service for the upcoming fiscal year. This priority type includes systems that are likely to fail, e.g., replacement of old or worn-out equipment, dramatically rehabilitate aging facilities, or facilitate a department's ability to meet increased service demands.

Moderate - either replaces assets that have outlived their useful life, enhances a benefit to the community over and above the existing level of service, results in cost savings or other efficiencies, or directly supports community's economic base by increasing property values.

Low - provides additions or improvements to services or programs having social, cultural, historic, economic, or aesthetic value, but does not require immediate approval and implementation.

Physical location/address of project/equipment

City-wide

Project Status - Select the appropriate priority level based on the definitions below:

New - first time submission

Recurring - a routine project that must be completed annually or periodically, such as upgrading a pumping station's infrastructure or rehabilitating athletic fields.

Resubmission - a project was submitted in a previous year but not approved.

Revision/Upgrade to Previous Project - the scope of this project has changed or requires additional resources.

Project Financing

Estimated Project Cost - Enter the estimated cost of the project or asset. You are required to attach any quotes or other documentation to support the cost.

Amount Requested \$ 2,580,000

Life Expectancy - provide the number of years the asset is expected to last

75

Estimated timeframe to complete project or to receive asset - in months or years, estimate the duration of the project or the timeframe for delivery of equipment or asset. For example, if a new ambulance requires a build out and delivery time of 1 year, enter 1 year.

Estimated date for completion or delivery 24 Months

Timeframe - Additional Explanation

0

Proposed Funding Sources - Provide (if applicable) any potential grants, donations, or other available funds to supplement the regular financing of capital projects and assets. Attach documentation of possible grant opportunities, along with the community's funding requirements for acceptance. Describe and provide documentation for available discounts or cost reductions, such as trade in value.

Bond General Fund

Bond Enterprise Fund

Free Cash/Retained Earnings

CPA

Grant

Other Type of Loan

Other

Matching Requirements

Additional explanation/information related to funding source(s)

MWRA Water Quality

Project Description

Provide a basic description of the proposed project or equipment purchase, including:

- Location (if a building)
- Type of building
- Intended use(s)
- Whether land acquisition will be necessary (if a building)
- Discussion of primary cost drivers
- Stakeholders involved
- Narrative of qualification for specific funding source (e.g., grants, CPA)

This appropriation will provide funds for the design and replacement of water mains and appurtenances at locations in the water system identified as having restricted volume and pressure. The work includes replacement of insufficiently performing water mains by in-house staff and the City's on-call utility contractor. The FY26 appropriation will continue to fund the Fire Flow Restoration and Improvement Plan previously funded by the Annual Various Water Improvements.

Project Justification

Provide justification for the project. Highlight the specific benefits that will directly result from completing the project. These details may depend on the chosen priority level and purpose. For instance, if the priority level is "Moderate" and purpose is "Service Enhancement," describe any and all new benefits the project offers, including any cost savings or efficiencies. Additionally, state how the project will benefit community and administrative stakeholders and explain any negative impacts or potential consequences of not approving the project. This information is particularly important for projects classified as "Urgent/Compliance with Law" and "Ensure Public Safety".

Elimination of significant pressure and flow restrictions in the water distribution system is needed to ensure the Fire Department can provide adequate fire protection to properties throughout the City, and to improve pressure and volume for domestic water service to ratepayers.

If project is phased over several years indicate how many phases are complete

Which phase of project is requested?

Purpose of Project - check all that apply and include detail on what is being replaced or requested as new

Replace existing infrastructure

Replace existing capital asset

Replace existing vehicle

Replace existing equipment

New infrastructure

New capital asset

New vehicle

New equipment

Strategic/Comprehensive/Master Plan

Project Type - check all that apply

Land acquisition

Planning/Feasibility Study

Design

Construction

Equipment

Vehicle

Contingency

Other

Asset Type

Land

Municipal Building

School Building

Water/Sewer Infrastructure

Roadway Infrastructure

Traffic/Streetlight Infrastructure

Waterway/Beach

Recreation Trail

Bridge

Park/Playground/Athletic Field

Vehicle

Equipment

Software/Technology

Refuge/Recycling Center

Other

Project Community Impact

Health & Safety

Education

Aesthetics/Historic preservation

Environmental sustainability

Economic development

Cultural/Recreational opportunity

Service Improvement

Level Service Maintenance

Impact to Operating/Enterprise Budgets - explain the project's temporary and/or long-term impact on the operating budget. For example, capital construction projects can result in increased operating costs. Costs may increase during the project's duration (e.g., increased use of one building while another is demolished and reconstructed) or be longer lasting, such as new a building resulting in increased utility costs or the hiring of additional maintenance personnel.

Increase/Decrease to Personnel

Explanation

Increase/Decrease to Operating

Explanation

Additional Information

Checklist for completion

FY2026 Project Request PDF file includes form, updated vendor memos/quote/pricing, photos

Save each FY2026 project request as separate PDF file (Department name/Project Name) to T Drive/Finance/CIP 26-30/Department Folder



CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | OPERATIONS

OPERATIONS CENTER
100 Western Avenue
Framingham, MA 01702

508-532-6050
water@framinghamma.gov
www.framinghamma.gov

MEMORANDUM

DATE: 8/19/2024

TO: Robert Lewis
Director Department of Public Works

FROM: Steve Leone
Director Water & Wastewater

RE: **FY26 Low Flow Water Mains**

The water Department has discovered, through their unidirectional flushing program, water mains that do not supply sufficient fire flows to the hydrants. In order to maintain a replacement schedule for these low flow mains the Water Department is requesting an FY26 appropriation to replace the water main and associated appurtenances on the following streets in the amount of \$2,580,000:

Barber Rd – 1,200' of 6" Cast Iron from 1926
Church St – 650' of 6" Cast Iron from 1905
North St – 660' of 4" Cast Iron from 1920
Wauhakum Blvd – 760' of 6" Cast Iron from 1968
Draper Rd – 750' of 6" Cast Iron from 1940
Guild Road – 760' of 6" Cast Iron from 1947
Bracket Road – 940' of 6" Cast Iron from 1955
Bates Rd – 730' of 6" Cast Iron from 1929

MASSDOT is planning on Paving Hollis St (Rt 126) within the next several years. Five of these streets are off of Hollis St. If Paving is completed before funding is available or water main work is able to take place street locations may change.



City of Framingham, Massachusetts 01702

Fire Department Headquarters

Michael D. Dutcher
Fire Chief

10 Loring Drive
TEL: (508) 532-5930

Stephanie Tavares P.E.
Senior Water & Wastewater Engineer
City of Framingham

August 21, 2024

Dear Stephanie,

The Framingham Fire Department is in full support of your "Fire Flow Restoration and Improvement Program." Sufficient and reliable water flow is one of our most important tools when fighting a fire. Inability to get adequate water flow from hydrants hinders the Fire Department's ability to protect occupants, provide safety to firefighters and to mitigate damage to property. The close working relationship between our Departments is critical in maintaining our high level of service. Because of this close relationship, the Fire Department is aware that there are several areas within the City, that are "low flow" areas. While knowing that these low flow areas exist is important, it is vital that the water system be replaced in these underperforming districts.

Please let me know how I can be of additional assistance.

Respectfully

A handwritten signature in blue ink, which appears to read "Michael D. Dutcher".

Michael D. Dutcher
Fire Chief

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The capital improvement is a tangible asset or project estimated to cost over \$25,000 and to have or to extend five or more years of useful life.

The community would legally be allowed to borrow for the expense under M.G.L. c. 44, § 7 and M.G.L. c.44, § 8.

The expenditure is for real property acquisitions, construction, and long-life capital equipment.

The project is for improvements to physical infrastructure (e.g., streets, sidewalks, and stormwater drains) and renovations of existing capital items that extend their useful lifespans.

The purchase or long-term capital lease is for vehicles or heavy equipment that have an expected useful life of 5 or more years.

The expenditure is to pay for the planning, engineering, or design services required for a construction or renewal project that itself qualifies as a capital expenditure.

The purchase is for bulk purchases of similar items, like software, furniture, or radios with an expected useful life of three or more years that, when aggregated, have total costs exceeding \$25,000.

Project Name	Central Street Water Mains - Construction
Project Status	New

Project Lead Name Robert Sheldon

Email address rhs@framinghamma.gov

Project Fiscal Year 2026 Department Priority # 4

Priority - Select the appropriate priority level based on the definitions below:

Urgent - addresses an imminent risk to the safety of the public or municipal personnel, and/or prevents the imminent destruction or collapse of public infrastructure or loss of assets.

High - necessary to ensure consistent, level service for the upcoming fiscal year. This priority type includes systems that are likely to fail, e.g., replacement of old or worn-out equipment, dramatically rehabilitate aging facilities, or facilitate a department's ability to meet increased service demands.

Moderate - either replaces assets that have outlived their useful life, enhances a benefit to the community over and above the existing level of service, results in costs savings or other efficiencies, or directly supports community's economic base by increasing property values.

Low - provides additions or improvements to services or programs having social, cultural, historic, economic, or aesthetic value, but does not require immediate approval and implementation.

Physical location/address of project/equipment

Central Street

Project Status - Select the appropriate priority level based on the definitions below:

New - first time submission

Recurring - a routine project that must be completed annually or periodically, such as upgrading a pumping station's infrastructure or rehabilitating athletic fields.

Resubmission - a project was submitted in a previous year but not approved.

Revision/Upgrade to Previous Project - the scope of this project has changed or requires additional resources.

Project Financing

Estimated Project Cost - Enter the estimated cost of the project or asset. You are required to attach any quotes or other documentation to support the cost.

Amount Requested \$ 18,924,000

Life Expectancy - provide the number of years the asset is expected to last

75

Estimated timeframe to complete project or to receive asset - in months or years, estimate the duration of the project or the timeframe for delivery of equipment or asset. For example, if a new ambulance requires a build out and delivery time of 1 year, enter 1 year.

Estimated date for completion or delivery 24 Months

Timeframe - Additional Explanation

0

Proposed Funding Sources - Provide (if applicable) any potential grants, donations, or other available funds to supplement the regular financing of capital projects and assets. Attach documentation of possible grant opportunities, along with the community's funding requirements for acceptance. Describe and provide documentation for available discounts or cost reductions, such as trade in value.

Bond General Fund

Bond Enterprise Fund

Free Cash/Retained Earnings

_____ CPA

_____ Grant

_____ Other Type of Loan

_____ Other

_____ Matching Requirements

Additional explanation/information related to funding source(s)

0

Project Description

Provide a basic description of the proposed project or equipment purchase, including:

- Location (if a building)
- Type of building
- Intended use(s)
- Whether land acquisition will be necessary (if a building)
- Discussion of primary cost drivers
- Stakeholders involved
- Narrative of qualification for specific funding source (e.g., grants, CPA)

This funding for construction and related engineering services to make water improvements along almost the full length of Central Street, from Kellogg Street to Purchase Street. This includes not only replacing water mains but also water services, hydrants, and valves. Note that this project would be bid in conjunction with sewer upgrades, and that utility project would be done in anticipation of road, curb, drainage, and sidewalk improvements in a subsequent year. The request also includes funding for the construction of replacement water mains on side streets by the City's in-house and on-call contractor to address issues of low flow and low pressure in highly tuberculated small-diameter mains.

Project Justification

Provide justification for the project. Highlight the specific benefits that will directly result from completing the project. These details may depend on the chosen priority level and purpose. For instance, if the priority level is "Moderate" and purpose is "Service Enhancement," describe any and all new benefits the project offers, including any cost savings or efficiencies. Additionally, state how the project will benefit community and administrative stakeholders and explain any negative impacts or potential consequences of not approving the project. This information is particularly important for projects classified as "Urgent/Compliance with Law" and "Ensure Public Safety".

Upgraded water mains will have corrosion protection. Improved valve configurations will minimize maintenance interruptions to residents. The pipeline is very old cast iron, mostly installed in 1906. Multiple tapping sleeves, which are prone to leaks or failures, are present. Additional valves are required to minimize impacts to residents from shut downs for repairs and maintenance.

If project is phased over several years indicate how many phases are complete

Which phase of project is requested?

Purpose of Project - check all that apply and include detail on what is being replaced or requested as new

Replace existing infrastructure

Replace existing capital asset

Replace existing vehicle

Replace existing equipment

New infrastructure

New capital asset

New vehicle

New equipment

Strategic/Comprehensive/Master Plan

Project Type - check all that apply

Land acquisition

Planning/Feasibility Study

Design

Construction

Equipment

Vehicle

Contingency

Other

Asset Type

Land

Municipal Building

School Building

Water/Sewer Infrastructure

Roadway Infrastructure

Traffic/Streetlight Infrastructure

Waterway/Beach

Recreation Trail

Bridge

Park/Playground/Athletic Field

Vehicle

Equipment

Software/Technology

Refuge/Recycling Center

Other

Project Community Impact

Health & Safety

Education

Aesthetics/Historic preservation

Environmental sustainability

Economic development

Cultural/Recreational opportunity

Service Improvement

Level Service Maintenance

Impact to Operating/Enterprise Budgets - explain the project's temporary and/or long-term impact on the operating budget. For example, capital construction projects can result in increased operating costs. Costs may increase during the project's duration (e.g., increased use of one building while another is demolished and reconstructed) or be longer lasting, such as new a building resulting in increased utility costs or the hiring of additional maintenance personnel.

Increase/Decrease to Personnel

Explanation

Increase/Decrease to Operating

Explanation

Additional Information

Checklist for completion

FY2026 Project Request PDF file includes form, updated vendor memos/quote/pricing, photos

Save each FY2026 project request as separate PDF file (Department name/Project Name) to T Drive/Finance/CIP 26-30/Department Folder

September 6, 2024

Mr. Robert Sheldon, P.E.
Director, Capital Projects
Framingham DPW
110 Western Ave.
Framingham, MA 01720

Re: FY26 Funding Request for Central Street Water and Sewer Replacement

Dear Mr. Sheldon:

This letter confirms the need for funding for the following project:

Central Street Water and Sewer Replacement (Formerly Phase 2 and Phase 3)

Opinion of design budget: \$16,900,000 (construction)

Description: This funding request includes excavation construction work for the replacement of approximately 13,760 feet of 6-inch to 24-inch water mains on Central Street (from the Sudbury River bridge crossing to Purchase Street) and on Kellogg Street (from Central Street to Prospect Street), and 1,450 feet of 8-inch to 12-inch sewers on Central Street (from the Sudbury River bridge crossing to Purchase Street). In addition, approximately 360 vertical feet of sewer manholes will be lined. This funding request excludes the lining of sewer pipes. Design work was put on hold in December 2020 due to city funding constraints.

Justification: The Central Street water main and sewers are a high priority for repairs. The existing water mains in the project area are unlined cast iron pipe which will be replaced with cement lined, ductile iron (CLDI) pipe, in accordance with City Standards. In addition, all new water mains shall be zinc coated and wrapped in polyethylene encasement to protect the water main from corrosion. Water services shall be replaced, in accordance with City Standards. The sewer mains identified for replacement under this contract are in a poor condition, which prevents the trenchless rehabilitation of these pipes.

Please feel free to contact me if you have any questions regarding the background information on the Central Street Water and Sewer Replacement (Formerly Phase 2 and Phase 3) project and development of the estimated capital cost.

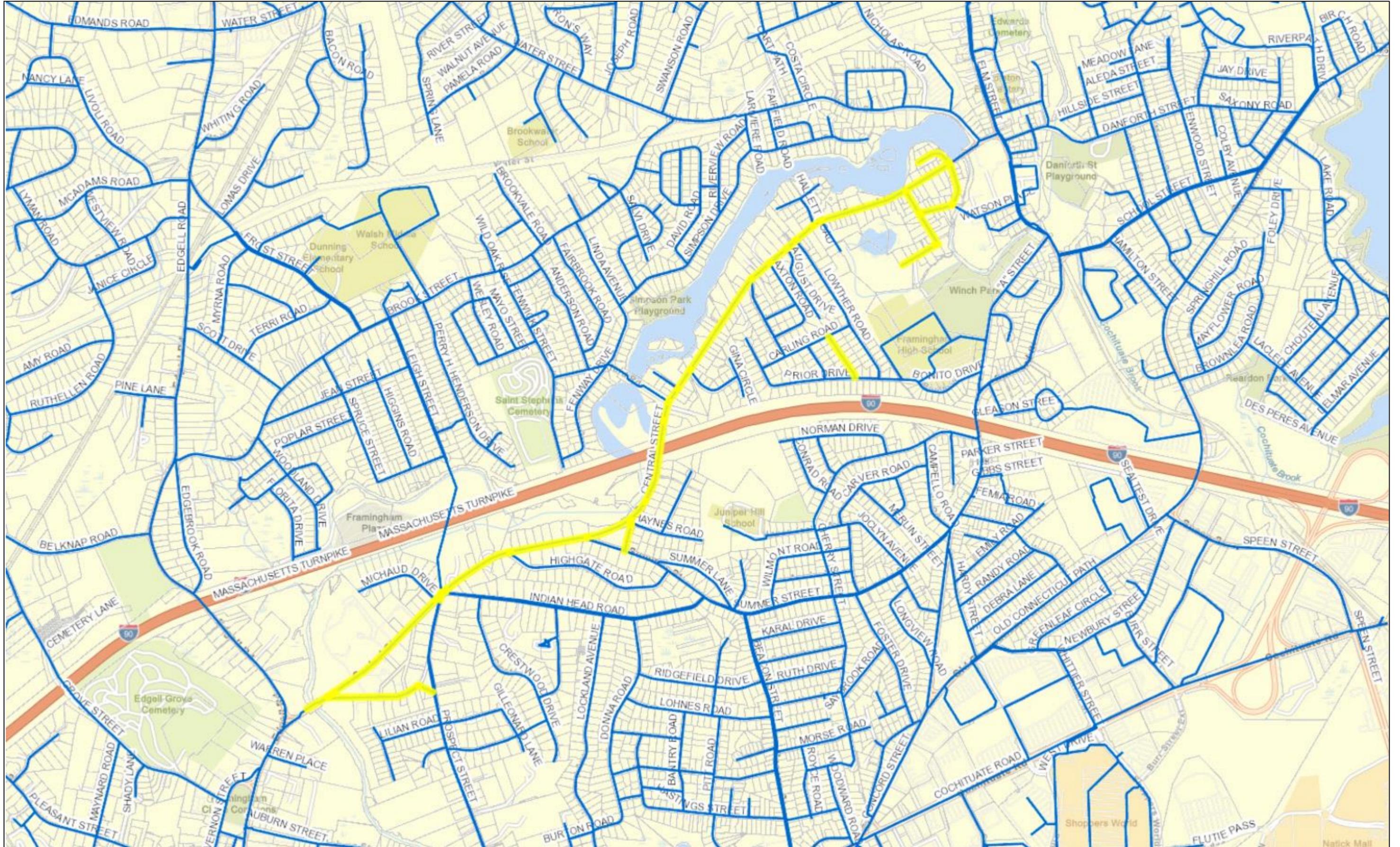
Sincerely,

WESTON & SAMPSON ENGINEERS, INC.



Kara D. Keleher, P.E.
Senior Associate

Fy2026 Capital Request - Central Street Water Mains - Construction





CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | OPERATIONS

OPERATIONS CENTER
100 Western Avenue
Framingham, MA 01702

508-532-6050
water@framinghamma.gov
www.framinghamma.gov

MEMORANDUM

DATE: 8/19/2024

TO: Robert Lewis
Director Department of Public Works

FROM: Steve Leone
Director Water & Wastewater

RE: **Central St Side Street Low Flow Mains**

Central Street water and sewer improvement project is being designed by Weston & Sampson. The scope of work includes water main replacement, services, hydrants, and valves as well as sewer main replacement and CIPP lining, manhole replacements, and service replacements. This is for the entire length of Central St from Edgell Rd to Water St. There are several side streets off of Central St that are on our low flow list discovered through our unidirectional flushing program. This means the water mains on these streets do not provide sufficient fire flow to the hydrants. The Water Department would like to include the replacement of these water mains in the Central St project capital appropriation. We would also like to utilize the on-call utility contractor to get the side street work completed at a reduced cost and in an expedited time frame. Utilizing the on-call contractor in situations like this reduces the construction cost, eliminates the need for engineering costs other than the completion of as-builts and tie cards, and avoids costly change orders. The cost to replace the water main and appurtenances on the streets listed below is \$2,024,000. The streets to be replaced are as follows:

Centennial Place – 500' of 6" Cast Iron from 1935
Purchase Street – 970' of 6" Cast Iron from 1910
Johnson Street – 1,190' of 6" Cast Iron from 1931
Fenwick Street – 400' of 8" Cast Iron from 1947
Kellog Street – 1,380' of 8" Cast Iron from 1927 and 6" Cast Iron from 1922
Maureen Road – 620' of 6" Cast Iron from 1956

City of Framingham 5 Year Capital Improvement Program FY2026-FY2030
Capital Project Request Form for FY2026 Projects

FY2026 Project requests must meet the definition of a Capital Project

A capital project is a major, nonrecurring expenditure that meets one or more of the following criteria:

The capital improvement is a tangible asset or project estimated to cost over \$25,000 and to have or to extend five or more years of useful life.

The community would legally be allowed to borrow for the expense under M.G.L. c. 44, § 7 and M.G.L. c.44, § 8.

The expenditure is for real property acquisitions, construction, and long-life capital equipment.

The project is for improvements to physical infrastructure (e.g., streets, sidewalks, and stormwater drains) and renovations of existing capital items that extend their useful lifespans.

The purchase or long-term capital lease is for vehicles or heavy equipment that have an expected useful life of 5 or more years.

The expenditure is to pay for the planning, engineering, or design services required for a construction or renewal project that itself qualifies as a capital expenditure.

The purchase is for bulk purchases of similar items, like software, furniture, or radios with an expected useful life of three or more years that, when aggregated, have total costs exceeding \$25,000.

Project Name	Water Master Plan Update
Project Status	Recurring

Project Lead Name William Sedewitz

Email address wrs@framinghamma.gov

Project Fiscal Year 2026 Department Priority # 9

Priority - Select the appropriate priority level based on the definitions below:

Urgent - addresses an imminent risk to the safety of the public or municipal personnel, and/or prevents the imminent destruction or collapse of public infrastructure or loss of assets.

High - necessary to ensure consistent, level service for the upcoming fiscal year. This priority type includes systems that are likely to fail, e.g., replacement of old or worn-out equipment, dramatically rehabilitate aging facilities, or facilitate a department's ability to meet increased service demands.

Moderate - either replaces assets that have outlived their useful life, enhances a benefit to the community over and above the existing level of service, results in cost savings or other efficiencies, or directly supports community's economic base by increasing property values.

Low - provides additions or improvements to services or programs having social, cultural, historic, economic, or aesthetic value, but does not require immediate approval and implementation.

Physical location/address of project/equipment

City-wide

Project Status - Select the appropriate priority level based on the definitions below:

New - first time submission

Recurring - a routine project that must be completed annually or periodically, such as upgrading a pumping station's infrastructure or rehabilitating athletic fields.

Resubmission - a project was submitted in a previous year but not approved.

Revision/Upgrade to Previous Project - the scope of this project has changed or requires additional resources.

Project Financing

Estimated Project Cost - Enter the estimated cost of the project or asset. You are required to attach any quotes or other documentation to support the cost.

Amount Requested \$ 250,000

Life Expectancy - provide the number of years the asset is expected to last

8

Estimated timeframe to complete project or to receive asset - in months or years, estimate the duration of the project or the timeframe for delivery of equipment or asset. For example, if a new ambulance requires a build out and delivery time of 1 year, enter 1 year.

Estimated date for completion or delivery 18 Months

Timeframe - Additional Explanation

0

Proposed Funding Sources - Provide (if applicable) any potential grants, donations, or other available funds to supplement the regular financing of capital projects and assets. Attach documentation of possible grant opportunities, along with the community's funding requirements for acceptance. Describe and provide documentation for available discounts or cost reductions, such as trade in value.

Bond General Fund

Bond Enterprise Fund

Free Cash/Retained Earnings

_____ CPA

_____ Grant

_____ Other Type of Loan

_____ Other

_____ Matching Requirements

Additional explanation/information related to funding source(s)

0

Project Description

Provide a basic description of the proposed project or equipment purchase, including:

- Location (if a building)
- Type of building
- Intended use(s)
- Whether land acquisition will be necessary (if a building)
- Discussion of primary cost drivers
- Stakeholders involved
- Narrative of qualification for specific funding source (e.g., grants, CPA)

This appropriation will provide funds for the evaluation of the City's water system taking into account aging infrastructure, projected build-out, and the City's priorities for performing capital improvements to continue serving the City's drinking water pumping, storage, and distribution needs. The Master Plan is a comprehensive water system planning document designed to support the City's long-term plans and strategies for providing efficient and effective water service.

Project Justification

Provide justification for the project. Highlight the specific benefits that will directly result from completing the project. These details may depend on the chosen priority level and purpose. For instance, if the priority level is "Moderate" and purpose is "Service Enhancement," describe any and all new benefits the project offers, including any cost savings or efficiencies. Additionally, state how the project will benefit community and administrative stakeholders and explain any negative impacts or potential consequences of not approving the project. This information is particularly important for projects classified as "Urgent/Compliance with Law" and "Ensure Public Safety".

The development and updating of a Water Master Plan is a best management practice for water utilities. Best industry practice for water utilities is to review and update their Master Plans every 10 years. The City of Framingham's last Water Master Plan was completed in 2017. Since then, there have been significant changes, including completed capital improvements, system expansion, changing usage, deteriorating conditions and evolving City priorities such as the MBTA housing requirements. Those changes in addition to the best industry practise of updating water planning every 10 years are reasons to review and revise the Master Plan.

If project is phased over several years indicate how many phases are complete

Which phase of project is requested?

Purpose of Project - check all that apply and include detail on what is being replaced or requested as new

Replace existing infrastructure

Replace existing capital asset

Replace existing vehicle

Replace existing equipment

New infrastructure

New capital asset

New vehicle

New equipment

Strategic/Comprehensive/Master Plan

Project Type - check all that apply

Land acquisition

Planning/Feasibility Study

Design

Construction

Equipment

Vehicle

Contingency

Other

Asset Type

Land

Municipal Building

School Building

Water/Sewer Infrastructure

Roadway Infrastructure

Traffic/Streetlight Infrastructure

Waterway/Beach

Recreation Trail

Bridge

Park/Playground/Athletic Field

Vehicle

Equipment

Software/Technology

Refuge/Recycling Center

Other

Project Community Impact

Health & Safety

Education

Aesthetics/Historic preservation

Environmental sustainability

Economic development

Cultural/Recreational opportunity

Service Improvement

Level Service Maintenance

Impact to Operating/Enterprise Budgets - explain the project's temporary and/or long-term impact on the operating budget. For example, capital construction projects can result in increased operating costs. Costs may increase during the project's duration (e.g., increased use of one building while another is demolished and reconstructed) or be longer lasting, such as new a building resulting in increased utility costs or the hiring of additional maintenance personnel.

Increase/Decrease to Personnel

Explanation

Increase/Decrease to Operating

Explanation

Additional Information

Checklist for completion

FY2026 Project Request PDF file includes form, updated vendor memos/quote/pricing, photos

Save each FY2026 project request as separate PDF file (Department name/Project Name) to T Drive/Finance/CIP 26-30/Department Folder



August 29, 2024

Mr. William R. Sedewitz, P.E.
Senior Project Manager
Framingham DPW
100 Western Avenue
Framingham, MA 01702

Re: FY2026 Capital Budget Request – City of Framingham, MA
Water Master Plan Update

Dear Mr. Sedewitz:

This letter serves to request \$250,000 in funding and provide justification for the above referenced project.

The Scope of this project includes an update to the City's Water Master Plan. The Water Master Plan is a planning document that outlines the long-term vision for managing and maintaining the City's water resources. The City's Plan was last updated in 2017. The Water Master Plan Update will include identification of the existing distribution system components, definition of the water system requirements with respect to current usage and projected system demands due to future development, update of the distribution system hydraulic model including field testing and verification efforts, evaluation of the adequacy of the existing system to meet system needs for demand, storage, and water quality, and regulatory requirements and recent changes to those requirements. The Master Plan will also update the City's Capital Improvement Plan for the water system necessary to maintain an acceptable level of service, both now and in the future, based on the analyses identified above. The Capital Improvement Plan will outline recommended system improvements and estimated improvement costs over the next 20-year planning period.

We trust this information meets your current needs. If we can be of any further assistance regarding this matter, please contact me at our Lincoln, RI office.

Regards,
BETA Group, Inc.

A handwritten signature in blue ink, appearing to read "Nicholas J. Corvello".

Nicholas J. Corvello, P.E.
Vice President