

**TABLE III: FY2021 RECOMMENDED PROJECTS - WATER DEBT**

PROJECT		AMOUNT FINANCED	DEBT SERV. YEARS	EST. BAN INT. RATE	EST. BOND INT. RATE	FY2020	FY2021*	FY2022	FY2023	FY2024	FY2025
19-1	Water Main Rehab Program	250,000	20	2.50%	3.50%		-	6,250	21,908	21,447	20,987
19-2	Paine's Hill Tank Replacement Study	200,000	5	2.50%	3.50%		-	5,000	57,000	55,250	53,500
<b>PROJ. REVENUE (WATER) SUPPORTED DEBT SERV.</b>		<b>450,000</b>					<b>-</b>	<b>11,250</b>	<b>78,908</b>	<b>76,697</b>	<b>74,487</b>
<b>APPROVED REVENUE SUPPORTED DEBT SERV.</b>						<b>FY2020</b>	<b>FY2021</b>	<b>FY2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>
<i>Subtotal</i>	Approved and Issued Revenue Supported Debt Service					526,680	617,068	609,158	594,113	570,638	561,928
<i>Subtotal</i>	Approved and Unissued Revenue Supported Debt Service										
<b>Summary</b>	<b>Approved Revenue Supported Debt Service</b>					<b>526,680</b>	<b>617,068</b>	<b>609,158</b>	<b>594,113</b>	<b>570,638</b>	<b>561,928</b>
<i>Subtotal</i>	Projected New Revenue Supported Debt Service					-	-	11,250	78,908	76,697	74,487
<b>TOTAL</b>	<b>PROPOSED REVENUE SUPPORTED DEBT SERVICE</b>					<b>526,680</b>	<b>617,068</b>	<b>620,408</b>	<b>673,021</b>	<b>647,335</b>	<b>636,415</b>

<b>WESTON CAPITAL IMPROVEMENT PROGRAM - PROJECT REQUEST &amp; FINANCING PLAN</b>			<i>If existing asset is being replaced</i>		
Project Title: <b>Water Main Rehab Program</b>	Department: <b>DPW</b>	Division: <b>Water Division</b>	Yr. Acquired	Est. Value	Disposition
Contact: <b>Thomas Cullen</b>	Notes:		<b>1952</b>	<b>\$250,000</b>	

Prior Year(s) Requested: **\$207,000** Present Status of Project: **Ongoing**

Description, Justification and Life Expectancy:  
 The Water Main Rehabilitation Program has been designed to replace the distribution systems older water mains that have exceeded their expected life spans. The Water Division is now focused on replacing all asbestos cement (transite) water mains in the water system and cast iron water mains that have an excessive amount of water leaks over their life span. The transite mains are no longer used in water transmission service because of their material content and are considered to be classified as hazardous material when removed from the ground and thus, need to be disposed of accordingly. Transite mains however are safe for the distribution of drinking water to our residents. The only way to address the concerns of these aged pipes is to replace them. The project(s) for FY 2021 is for the proposed replacement of 622 feet and 504 feet of transite water main on Longmeadow Road, respectively, that was installed in 1952. The engineering design for this project will be completed in house by the Town Engineer office. Note that 2019 Water Master Plan indicates that we are replacing water mains which equates to a 500 year program versus a standard of 100 year program. This program may be expanded in the future to include more linear footage of main replaced each fiscal year, but we kept the program at its current value for FY 2021 and this five year

***INSERT PHOTO HERE***

Impact on Future Operating Budgets, and/or Impact on other Departments:  
 Postponing the scheduled replacement of these old and outdated water distribution lines can impact the operating budgets by necessitating overtime costs for dirty water complaints and other water quality issues. Older types of water mains are more susceptible to leakage, bacteria and turbidity problems.

<b>RECOMMENDED FINANCING PLAN</b>	Total Prior Year Expenditures	Current Year Expenditure	Estimated Expenditures by Fiscal Year					Five Yr. TTL FY21-25
			FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
A. Planning, Design, Engineering								
B. Land, ROW, Site Improvements								
C. Construction	\$ 365,000	\$207,000	\$250,000	\$367,400	\$196,000	\$280,000	\$315,000	1,408,400
D. Equipment								
E. Other Costs								
<b>TOTAL</b>	<b>\$365,000</b>	<b>\$207,000</b>	<b>\$250,000</b>	<b>\$367,400</b>	<b>\$196,000</b>	<b>\$280,000</b>	<b>\$315,000</b>	<b>\$1,408,400</b>
F. Est. Add'l Annual Maint. & Repair								\$0

<b><u>TOWN MANAGER USE ONLY</u></b>		Next FY Amt.  \$	Funding Source: (1) G.O. Bond - G.F. (2) G.O. Bond - Ent. (3) Cash / Dept. Ops.	Priority Category (1-6): (1) Correct threat to health and safety (2) Improve to avoid costly repair (3) Replace to maintain service levels (4) Meet legal requirement (5) Improve productivity (6) Address overburdened situation
Recommendation <b>APPROVED</b> <b>DEFERRED</b> <b>DENIED</b> <b>TO FY ____</b>				
<u>NOTES:</u>				

**Town of Weston  
Department of Public Works - Water Division  
5-Year Capital Water Main Rehabilitation Program**

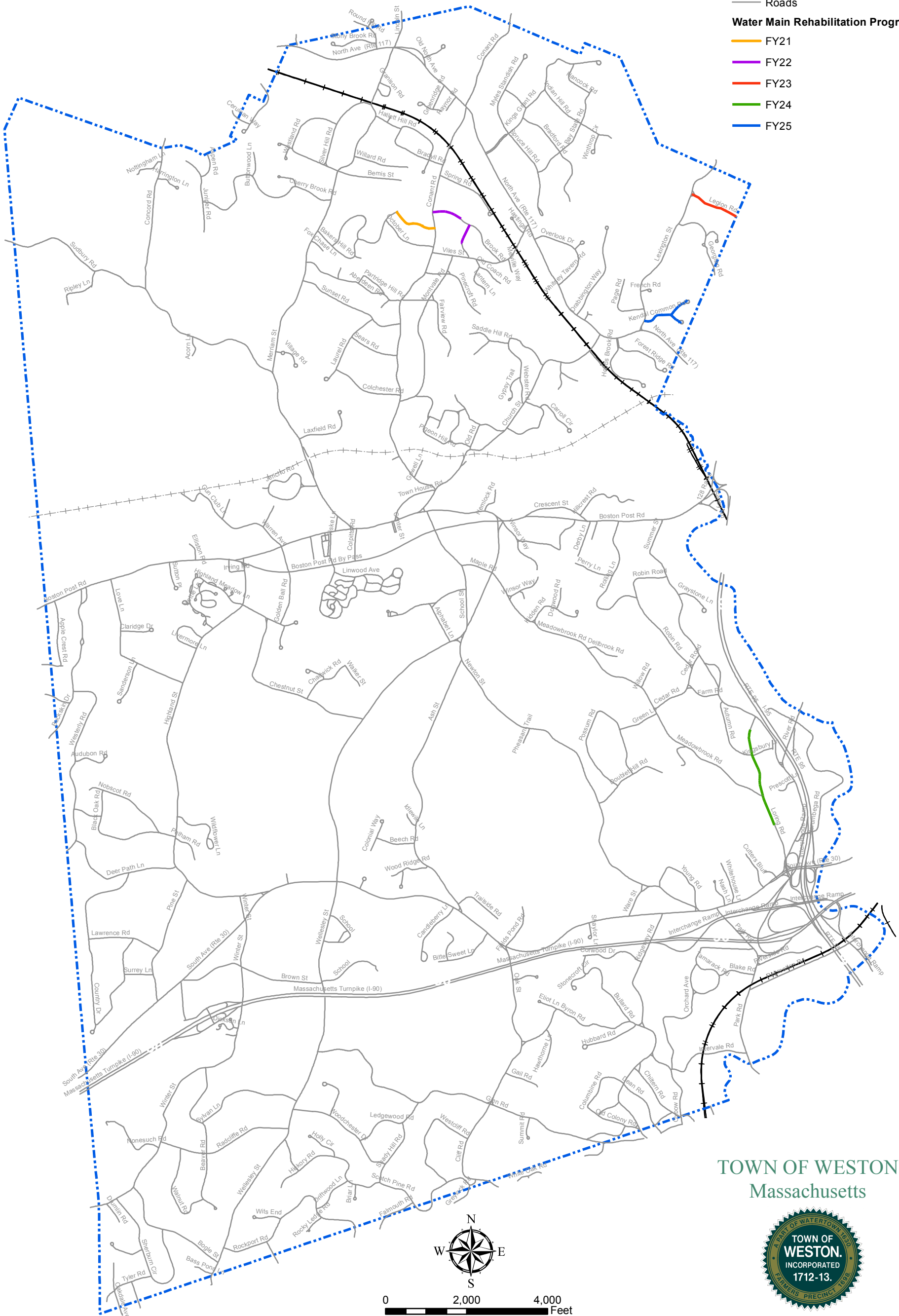
	<b>Location/Repair Type</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
1	Longmeadow Road - 8 inch transite Conant Road to 32 Longmeadow Road 622 ft	\$ 138,000	\$ -	\$ -	\$ -	\$ -
	32 Longmeadow Rd to Baker's Hill Rd 504 ft	\$ 112,000	\$ -	\$ -	\$ -	\$ -
2	Brook Road - 6 inch transite 31 Brook Road to 4 Conant Road 1336 ft	\$ -	\$ 267,200	\$ -	\$ -	\$ -
2	Valley View Road - 6 inch transite Brook Road to 10 Valley View Road 501 ft	\$ -	\$ 100,200	\$ -	\$ -	\$ -
4	Legion Road - 6 inch transite 1 Legion Road to end 980 ft	\$ -	\$ -	\$ 196,000	\$ -	\$ -
5	Loring Road - 10 inch transite 35 Loring Road to 118 Loring Road 1381 ft	\$ -	\$ -	\$ -	\$ 280,000	\$ -
6	Kendal Common - 6 & 8 inch transite Lexington-Ellis 694' of 8"&Ellis-End 554' of 6"	\$ -	\$ -	\$ -	\$ -	\$ 250,000
6	Ellis Road - 6 inch transite Kendal Common to End 313'	\$ -	\$ -	\$ -	\$ -	\$ 65,000
	<b>TOTALS</b>	<b>\$ 250,000</b>	<b>\$ 367,400</b>	<b>\$ 196,000</b>	<b>\$ 280,000</b>	<b>\$ 315,000</b>

<b>5 Year Total:</b>	<b>\$1,408,400</b>
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# 5 Year Water Main Rehabilitation Program FY 21 - FY 25

## Legend

- Roads
- Water Main Rehabilitation Program**
- FY21
- FY22
- FY23
- FY24
- - - FY25



**WESTON CAPITAL IMPROVEMENT PROGRAM - PROJECT REQUEST & FINANCING PLAN** *If existing asset is being replaced*

Project Title: <b>Paines Hill Water Tank Design</b>	Department: <b>DPW</b>	Division: <b>Water Division</b>	Yr. Acquired	Est. Value	Disposition
Contact: <b>Thomas Cullen</b>	Notes:		<b>1958</b>	<b>\$4,600,000</b>	

Prior Year(s) Requested: **\$200,000** Present Status of Project: **N / A**

Description, Justification and Life Expectancy:  
 A water system master plan was recently completed for the Town by Wright-Pierce. One of the findings from the evaluation was that the water system storage was maintained over a very narrow operating band. It was determined that this operational protocol was necessary because of the lack of adequate active volume which is necessary to meet peak demands. It was also determined that the storage system did not contain adequate volume for firefighting. The primary reason for the storage deficiencies was that the Town allowed water service connections (residential construction) to be made at and above elevations that can be serviced by the water system. As a result, the recommendation was made to increase the system active storage to support recommended and much needed peak demand and firefighting volume. The addition of storage was recommended in the Master Plan by considering the replacement of the existing tanks with larger and higher tanks. The first piece of the analysis is included in the tank study scope as included in the December 2019 Article 4. The next piece is the proposed design for the Paines Hill Tank included herewith with an estimated Tank Reconstruction Cost of approximately \$4.6M.

**INSERT PHOTO HERE**

Impact on Future Operating Budgets, and/or Impact on other Departments:  
 As indicated above, postponing this work will result in the Tank Design not being completed or delayed and impacts to system capacity / firefighting ability in addition to the replacing the aging tank (built in 1958).

RECOMMENDED FINANCING PLAN	Total Prior Year Expenditures	Current Year Expenditure	Estimated Expenditures by Fiscal Year					Five Yr. TTL FY21-25
			FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
A. Planning, Design, Engineering			200,000					200,000
B. Land, ROW, Site Improvements								
C. Construction	-	-	-	3,643,000	950,000	-	-	4,593,000
D. Equipment								
E. Other Costs								
<b>TOTAL</b>			\$200,000	\$3,643,000	\$950,000			\$4,793,000
F. Est. Add'l Annual Maint. & Repair								\$0

<b>TOWN MANAGER USE ONLY</b>			
<u>Recommendation</u> <b>APPROVED</b> <b>DENIED</b> <b>DEFERRED TO FY ____</b>	<u>Next FY Amt.</u> \$	<u>Funding Source:</u> (1) G.O. Bond - G.F. (2) G.O. Bond - Ent. (3) Cash / Dept. Ops.	<u>Priority Category (1-6):</u> (1) Correct threat to health and safety (2) Improve to avoid costly repair (3) Replace to maintain service levels (4) Meet legal requirement (5) Improve productivity (6) Address overburdened situation
<u>NOTES:</u>			