

Pennichuck Water Works, Inc.  
 2015 Quarterly WICA Water Main Project Update  
 Updated 4/15/2015

PIPE SEGMENT OR PROJECT NAME	CITY/TOWN	Work Order Number	MATERIAL	Original WICA	Revised	EXISTING PIPE DIAMETER (INCHES)	PROPOSED NEW PIPE DIAMETER (INCHES)	ORIGINAL WICA FILING	ESTIMATED COST AS OF	PIPE INSTALLATION DATE	PIPE AGE USEFUL LIFE	FULLY DEPREC	Explanation of Change from Original Filing
				filng LENGTH (FEET)	LENGTH as of 3/30/2015 (FEET)			ESTIMATED COST	3/30/2015				
Chestnut Street (Lake to Lovell)	NASHUA		CAST IRON UNLINED	735	735	6	12	\$ 314,000	\$ 314,000	1918-1924	70	YES	
Chestnut Street (Lovell to End)	NASHUA		CAST IRON UNLINED	263	263	6	12	\$ 105,000	\$ 105,000	1918-1925	70	YES	
Lovell Street (Chestnut to Ash)	NASHUA		CAST IRON UNLINED	420	420	6	12	\$ 185,000	\$ 185,000	1892-1898	70	YES	
Lovell Street (Ash to Pine)	NASHUA		CAST IRON UNLINED	750	750	4	8	\$ 269,000	\$ 269,000	1924-1934	40	YES	
Lovell Street (Easterly of Chestnut to end)	NASHUA		GAVANIZED STEEL	187	187	1-1/4	4	\$ 48,000	\$ 48,000	1955	40	YES	
Foundry Street	AMHERST		TRANSITE	1,465	1,465	6	8	\$ 209,000	\$ 209,000	1950	40	YES	
Manchester Road (Bridge Crossing)	AMHERST		TRANSITE	300	300	6	12	\$ 176,000	\$ 176,000	1950	40	YES	
School Street	AMHERST		TRANSITE	240	240	4	6	\$ 40,000	\$ 40,000	1950	40	YES	
Miami Street (Intervale to Tampa)	NASHUA		GAVANIZED STEEL	427	427	2	8	\$ 148,000	\$ 148,000	1927	40	YES	
Brook Street (Ash to Fulton)	NASHUA		CAST IRON UNLINED	1,141	1,141	6	8	\$ 397,000	\$ 397,000	1887-1924	70	YES	
Hamilton Street (Lake to Brook)	NASHUA		CAST IRON UNLINED	411	411	6	6	\$ 130,000	\$ 130,000	1909-1941	70	YES	
Burrnt Street (Lake to Brook)	NASHUA		CAST IRON UNLINED	424	424	6	6	\$ 155,000	\$ 155,000	1887-1921	70	YES	
Burrnt Street (Brook St. southerly)	NASHUA		CAST IRON UNLINED	182	182	4	4	\$ 43,000	\$ 43,000	1941	40	YES	
Ash Street (Lake to Lovell)	NASHUA		CAST IRON UNLINED	517	517	6	6	\$ 166,000	\$ 166,000	1892	70	YES	
Ash Street (Lovell to End)	NASHUA		CAST IRON UNLINED	190	190	4 & 1-1/2	4	\$ 62,000	\$ 62,000	1921	40	YES	
Lake Street (Pine St. easterly)	NASHUA		CAST IRON UNLINED	154	154	6	12	\$ 113,000	\$ 113,000	1888	70	YES	
Mulberry Street	NASHUA		CAST IRON UNLINED	50	50	8	8	\$ 46,500	\$ 46,500	1932	70	YES	
Ninth Street	NASHUA		GAVANIZED STEEL	627	627	2	4	\$ 102,000	\$ 102,000	1952-1957	40	YES	
Temple Street	NASHUA		CAST IRON UNLINED	1,030	1,030	10	12	\$ 278,100	\$ 278,100	1908	70	YES	
Fairmount Street	NASHUA		CAST IRON UNLINED	215	215	6	4	\$ 57,000	\$ 57,000	1887	70	YES	
Rochette Avenue (Chestnut easterly)	NASHUA		CEMENT LINED STEEL	163	163	2	4	\$ 46,000	\$ 46,000	1952-1956	40	YES	
Marquis Avenue (Lovell southerly)	NASHUA		CEMENT LINED STEEL	125	125	1-1/2	4	\$ 39,000	\$ 39,000	1945	40	YES	
Alds Street (Main to Harbor), parallels 12" A-C below	NASHUA		CAST IRON UNLINED	1,722	1,722	8	Abandon	\$ 123,000	\$ 123,000	1931	70	YES	
Alds Street (Main to Harbor, exclusive of bridge crossing)	NASHUA		TRANSITE	962	962	12	16	\$ 324,000	\$ 324,000	1961	85	NO	
Alds Street - Salmon Brook Crossing	NASHUA		TRANSITE	760	760	12	16	\$ 425,000	\$ 425,000	1961	85	NO	
Harbor Avenue (Alds northerly)	NASHUA		CAST IRON UNLINED	480	480	6	12	\$ 229,000	\$ 229,000	1888	70	YES	
Coburn Woods	NASHUA		POLYBUTLENE	700	700	2	4	\$ 274,000	\$ 274,000	1969	40	YES	
Tolles Street	NASHUA		CAST IRON UNLINED	-	430	6	8	\$ -	\$ 139,500	1888	70	YES	Emergency Sewer replacement in close proximity to water
<b>Total LF -</b>				<b>14,640</b>	<b>15,070</b>	<b>Total -</b>		<b>\$ 4,503,600</b>	<b>\$ 4,643,100</b>				
<b>Paving from 2014 projects -</b>								<b>\$ 77,522</b>	<b>\$ 77,522</b>				
<b>Valve Replacements<sup>3</sup> -</b>				<b>8</b>	<b>@</b>	<b>\$ 2,006</b>	<b>=</b>	<b>\$ 16,050</b>	<b>\$ 16,050</b>				
<b>Service Replacements<sup>3</sup> -</b>				<b>29</b>	<b>@</b>	<b>\$ 2,944</b>	<b>=</b>	<b>\$ 85,388</b>	<b>\$ 85,388</b>				
<b>Hydrant Replacements<sup>3</sup> -</b>				<b>5</b>	<b>@</b>	<b>\$ 5,875</b>	<b>=</b>	<b>\$ 29,374</b>	<b>\$ 29,374</b>				
<b>Planning Contingency<sup>4</sup> -</b>								<b>\$ 450,360</b>	<b>\$ 310,860</b>				
<b>Total Estimated WICA \$ in 2015 -</b>								<b>\$ 5,162,295</b>	<b>\$ 5,162,295</b>				

1. Material Integrity - Rating of 1 point for each break in the last 20 years.
2. ISO Fire Ratings - A rating of 1 for each 500 gpm that the flow in the watermain is less than the ISO required rating.
3. Number of Service, Valve and hydrant replacements is the average of the past 5 years. The average cost for each replacement types is the average cost for 2014
4. The City plans to add to its FY14 projects with projected FY15 projects  
 The City operates on a Fiscal year basis between July 1 and June 30 of the following Calendar year.  
 The April contingency was reduced to reflect the addition of Tolles Street by the City per the explanation.

PWW must complete replacement of its mains when the City replaces its sewer mains.  
 A contingency of 10% is carried to account for this in the initial filing.

Changes from the January 31, 2015 filing are highlighted in Yellow.