

**Pennichuck Water Works, Inc.
Proposed 2016 WICA Water Main Projects
7/1/2016 - 2nd Quarter Update**

Quarterly Update Attachment B

6	PIPE SEGEMENT OR PROJECT NAME	CITY/TOWN	Work Order Number	MATERIAL	Original WICA filing LENGTH (FEET)	Revised Length as of 4/30/2016 (FEET)	Revised Length as of 7/1/2016 (FEET)	EXISTING PIPE DIAMETER (INCHES)	PROPOSED NEW PIPE DIAMETER (INCHES)	ORIGINAL WICA ESTIMATED COST	ESTIMATED COST AS OF 4/30/2016	ESTIMATED COST AS OF 7/01/2016	PIPE INSTALLATION DATE	PIPE AGE USEFUL LIFE	FULLY DEPREC	Explanation of Change from Original Filing
7	Fossa Ave Int with Main St	NASHUA		CAST IRON UNLINED	68	83	83	6	8	\$ 65,000	\$ 65,000	\$ 65,000	1928	70	YES	Length adjusted/confirmed with survey
8	Buchanan St Int with Main St	NASHUA		CAST IRON UNLINED	45	45	45	8	8	\$ 65,000	\$ 65,000	\$ 65,000	1934	70	YES	Length adjusted/confirmed with survey
9	Lincoln Ave Int with Main St	NASHUA		CAST IRON UNLINED	36	40	40	6	8	\$ 65,000	\$ 65,000	\$ 65,000	1889	70	YES	Length adjusted/confirmed with survey
10	Russell Ave Int with Main St.	NASHUA		CAST IRON UNLINED	18	20	20	6	8	\$ 65,000	\$ 65,000	\$ 65,000	1906	70	YES	Length adjusted/confirmed with survey
11	Taylor St Int with Main St.	NASHUA		CAST IRON UNLINED	26	26	26	6	12	\$ 65,000	\$ 65,000	\$ 65,000	1906	70	YES	
12	Faxon St Int with Main St	NASHUA		CAST IRON UNLINED	15	15	15	6	6	\$ 65,000	\$ 65,000	\$ 65,000	1906	70	YES	
13	Allds St Int with Main St.	NASHUA		CAST IRON UNLINED	60	113	113	16	16	\$ 90,000	\$ 90,000	\$ 90,000	1962	70	YES	Length adjusted/confirmed with survey
14	Allds St Int with Main St. (W. Allds)	NASHUA		CAST IRON UNLINED	50	59	59	2	6	\$ 15,000	\$ 15,000	\$ 15,000	1930	70	YES	Length adjusted/confirmed with survey
15	Field St Int with Main St.	NASHUA		CAST IRON UNLINED	42	42	42	6	6	\$ 65,000	\$ 65,000	\$ 65,000	1922	70	YES	
16	Revere St Int with Main St	NASHUA		CAST IRON UNLINED	38	38	38	6	6	\$ 65,000	\$ 65,000	\$ 65,000	1921	70	YES	
17	Pratt St Int with Main St.	NASHUA		CAST IRON UNLINED	33	49	49	6	12	\$ 90,000	\$ 90,000	\$ 90,000	1908	70	YES	Length adjusted/confirmed with survey
18	Fowell St Int with Main St.	NASHUA		CAST IRON UNLINED	37	33	33	6	6	\$ 65,000	\$ 65,000	\$ 65,000	1919	70	YES	Length adjusted/confirmed with survey
19	Stevens St Int with Main St.	NASHUA		CAST IRON UNLINED	15	15	15	6	6	\$ 58,000	\$ 58,000	\$ 58,000	1930	70	YES	
20	Temple Street (Armory to Commercial St.)	NASHUA		CAST IRON UNLINED	300	300	300	8	8	\$ 93,000	\$ 93,000	\$ 93,000	1888	70	YES	Project awaiting City of Nashua decision possibly addressed as a change order
21	Manchester Road	AMHERST		TRANSITE	0	0	165	8	12	0	\$ -	\$ 48,000	1958	70	YES	new drainage and road rebuild plans by Town of Amherst
22	Manchester Road	AMHERST		TRANSITE	0	0	986	6	8	0	\$ -	\$ 252,000	1964	70	YES	new drainage and road rebuild plans by Town of Amherst
23	Amherst Street	NASHUA		CAST IRON UNLINED	3150	3150	3150	6	12	\$ 1,071,000	\$ 1,071,000	\$ 1,071,000	1892-1912	70	YES	Currently out to Bid (SRF)
24	Terrace Street	NASHUA		CAST IRON UNLINED	280	280	280	4 & 2	4	\$ 73,000	\$ 73,000	\$ 73,000	1924, 1946	70	YES	Currently out to Bid (SRF)
25	Bruce Street	NASHUA		CAST IRON UNLINED	260	260	260	6	6	\$ 72,000	\$ 72,000	\$ 72,000	1909-1926	70	YES	Currently out to Bid (SRF)
26	Berkshire Street	NASHUA		CAST IRON UNLINED	575	575	575	6	6	\$ 158,000	\$ 158,000	\$ 158,000	1913-1915	70	YES	Currently out to Bid (SRF)
27	Water Street	NASHUA		CAST IRON UNLINED	755	755	0	6	0	\$ 58,000	\$ 58,000.00	\$ -	1888	70	YES	Deferred ³
28	Chapman St (Lund to end)	NASHUA		CAST IRON UNLINED	130	130	0	1.25	4	\$ 34,000	\$ 34,000.00	\$ -	1948	70	YES	Deferred ³
29	McKean St (Arlington to #31 McKean)	NASHUA		CAST IRON UNLINED	970	970	0	6	8	\$ 127,000	\$ 127,000.00	\$ -	1888	70	YES	Deferred ³
30	Gilman Street	NASHUA		CAST IRON UNLINED	1460	1460	0	6 & 8	8	\$ 453,000	\$ 453,000.00	\$ -	1909-1924	70	YES	Deferred ³
31	Bridle Path	NASHUA		CAST IRON UNLINED	330	330	0	6 & 1 1/4	6 & 4	\$ 89,000	\$ 89,000.00	\$ -	1930	70	YES	Deferred ³
32	Chestnut Street (Kinsley to W. Otterson)	NASHUA		CAST IRON UNLINED	585	585	0	6 & 4	12	\$ 199,000	\$ 199,000.00	\$ -	1887-1931	70	YES	Deferred ³
33	Hughey St (Hutchison to Warsaw)	NASHUA		CAST IRON UNLINED	755	755	0	6	8	\$ 234,000	\$ 234,000.00	\$ -	1924-1946	70	YES	Deferred ³
34	Worcester Street (Scripture to Shedd)	NASHUA		CAST IRON UNLINED	399	330	330	6	8	\$ 143,000	\$ 143,000	\$ 143,000	1888 - 1924	70	YES	Length adjusted/confirmed with survey
35	Scripture Street (Temple to Worcester)	NASHUA		CEMENT LINED STEEL	458	505	505	6	8	\$ 143,000	\$ 143,000	\$ 143,000	1924	70	YES	Length adjusted/confirmed with survey
36	Shedds Avenue (Scripture to Worcester)	NASHUA		CEMENT LINED STEEL	291	261	261	2	4	\$ 100,000	\$ 100,000	\$ 100,000	1940	40	YES	Length adjusted/confirmed with survey
37	Hoyts Ln (Scripture to Shedd)	NASHUA		CAST IRON UNLINED	400	80	80	4	4	\$ 57,000	\$ 57,000	\$ 57,000	1922	70	YES	only 80' is actual replacement, 166' of proposed is new main
38	Tolles Street (Canal to Whitney)	NASHUA		CAST IRON UNLINED	470	475	475	6	8	\$ 146,000	\$ 146,000	\$ 146,000	1888	70	YES	Length adjusted/confirmed with survey
39	Gorman Ave (Temple to Hoyts)	NASHUA		CEMENT LINED STEEL	113	20	20	1 1/2	4	\$ 100,000	\$ 100,000	\$ 100,000	1940	40	YES	In lieu of Gorman 665' of NEW main is proposed on Howard
40	Birch Brow Road	NASHUA		CL Steel	-	30	52	1.5	2	\$ -	\$ 20,000	\$ 22,000	1887-1931	70	YES	Emergency water main replacement (Paving added)
41	Edwards Ave	NASHUA		CL Steel, CT, PVC	-	458	462	2, 1.5, 1	2	\$ -	\$ 90,000	\$ 130,000	1924-1946	70	YES	Emergency water main replacement (Paving added)
42				Total LF -	12164	11799	7965		Total -	\$ 4,188,000	\$ 4,298,000	\$ 3,446,000				
43									Paving from 2015 projects -	\$ 292,330	\$ 292,330	\$ 292,330				
44				Valve Replacements ¹ -		7			\$ 2,112	=	\$ 14,784	\$ 14,784				\$ 14,784
45				Service Replacements ¹ -		31			\$ 2,067	=	\$ 64,077	\$ 64,077				\$ 64,077
46				Hydrant Replacements ¹ -		9			\$ 4,528	=	\$ 40,752	\$ 40,752				\$ 40,752
47									Planning Contingency² -	\$ 418,000	\$ 308,800	\$ 344,600				
48									Total Estimated WICA \$\$ in 2016 -	\$ 5,017,943	\$ 5,018,743	\$ 4,202,543				

1. Number of Service, Valve and hydrant replacments is the average of the past 5 years. The average cost for each replacement types is the average cost for 2015
2. The City operates on a Fiscal year basis between July 1 and June 30 of the following Calendar year. A contingency of 10% is carried for planning purposes.
3. Projects were deferred due to the fact that engineering staff dedicated to completing project design work was reassigned to the design of the proposed water main extension in North Litchfield to provide public water to homes with PFOA tainted wells.
- Changes made to the original WICA filing as part of 1st quarter filing.
- Changes made to the original WICA filing as part of 2nd quarter filing.