

CITY OF NEWTON
 Department of Public Works
 ENGINEERING DIVISION

Memorandum

To: Councilor Alison Leary, Facilities Committee Chair.

From: John Daghlian, Associate City Engineer

Re: Elliot Street NGrid Gas Main Replacement

Date: December 12, 2022

CC: Jim Mcgonagle, Commissioner
 Shawna Sullivan, Deputy Commissioner
 Lou Taverna, PE City Engineer
 Cassidy Flynn, Associate City Clerk
 Thomas Skehill, Committee Clerk

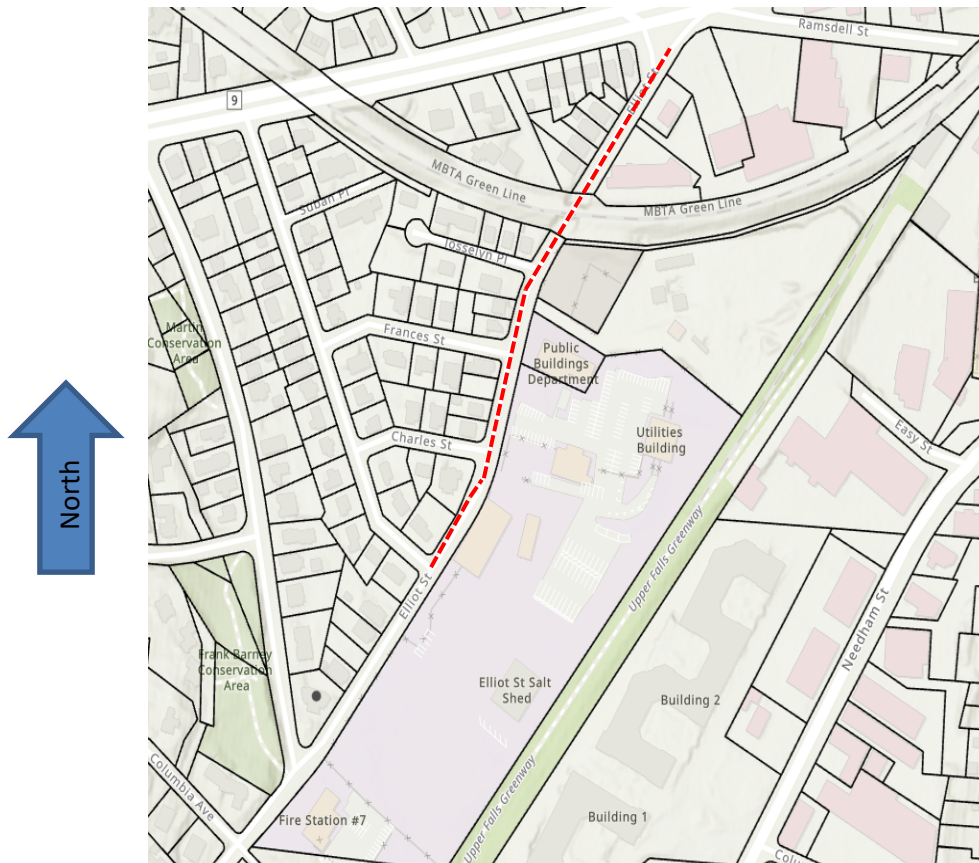
In reference to the above location, the following are my comments for a plan entitled:

*CIRE Program Main & Service Replacement
 3-144 Elliot Street
 Prepared by: TRC
 Dated: 06/24/2022*

Executive Summary:

As part of the Cast Iron Main Replacement Program Nationalgrid is requesting the following:

	Existing Gas Main Diameter (inch)	Approx. Length (feet)	Vintage	Existing Pipe Material	Pressure	Replacement Length	Pipe Diameter	Pipe Material	Proposed Pressure
							Inch		psig
Elliot Street	10	1,840	1924	Cast Iron	Low	1,850	8	plastic	22
	8	10	1926	Cast Iron	Low				
Josselyn Place	4	110	1953	Bare steel	Low	245	4	plastic	22
	4	135	1923	Cast Iron	Low				
Frances Street	6	220	1924	Cast Iron	Low	285	4	plastic	22
	6	65	2010	Plastic	Low				
Charles Street	6	50	1926	Cast Iron	Low	50	4	plastic	22
Margaret Road	No Gas					50	4	plastic	22



Elliott Street is under a 5 -year moratorium, as such once the new gas main is installed, tested, online and all service connections are completed the road shall be milled and overlaid with Super Pavement the City’s standard from curb line to curb line for the entire limits of the construction.

Francis Street was paved in 2010, however the roadway surface is in good shape and should be paved curb to curb upon completion.

Josselyn Place: more than half the road was recently paved by the developers [from the cul-de-sac to about halfway to Elliot Street] the two new homes, upon completion of the gas main the entire road should also be paved curb to curb.

Prior to any construction a Traffic Management Plan will be required for review and approval by the Traffic Division & Police Department. A preconstruction meeting will be required with the DPW, Newton Police & Utilities and the contractor of record prior to commencement.

Appropriate construction ahead warning signs, variable message boards and neighborhood notifications shall be executed a minimum of two weeks prior to the start of construction.

Due to the volume of traffic and close proximity to Fire Station #7 a minimum of two Police Officers will be required during construction.

Conditions & Special Provisions:

1. The contractor of record shall apply for a Street Opening & Trench Permits with the DPW prior to any construction with appropriate Bonds, Certificate of Insurance & Dig Safe clearance. The Utilities Division must be contacted for utility mark outs as the City is not a member of Dig Safe call 617-796-1640.
2. If any service connections or private utilities are disturbed by the contractor of record during construction, they shall be updated and replaced to the City's current Construction Standards.
3. All downstream catch basins shall be retrofitted with an approved type of siltation control devices, details of this shall be submitted to the City Engineer for approval. The contractor of record shall maintain these catch basins throughout the construction process and ensure that street and property flooding does not occur during construction.
4. Pedestrian access around the construction zone shall be accommodated by the contractor for the duration of the construction in accordance with the DPW requirements.
5. Upon final installation & activation of the gas main an As Built drawing [plan & profile] indicating depth of pipe shall be submitted in digital and hard copy format to the City Engineer.
6. Work within the MassDOT right of way will require MassDOT permits form District 6.
7. MBTA permit will be required for work beneath the Greenline bridge.

The Engineering Division makes no representations and assumes no responsibility for the design(s) in terms of suitability for the particular site conditions or of the functionality or performance of any items constructed in accordance with the design(s). The City of Newton assumes no liabilities for design assumption, error, or omissions by the Engineer of Record.

If you have any questions or concerns, please call me at 617-796-1023.