

**AMENDED ORDER (1st AMENDMENT) FOR
HIGH DENSITY POLYETHYLENE GEOTHERMAL AMBIENT LOOP PIPE**

By the City Council of the City of Framingham, Massachusetts notice having been given and a public hearing held, as provided by law, **IT IS HEREBY ORDERED:**

That permission be and hereby granted to **NSTAR Gas Company (d/b/a EVERSOURCE Energy) F.W.O #NTGT0N2Y amended** locations for and permission to install one (1) new 8 inch diameter High-Density Polyethylene (HDPE) Geothermal Ambient Loop Pipe, one (1) 1 ¼" service connection, two (2) 1 ½" service connections and associated valves, fixtures, and appurtenances to be owned and used by your petitioner, along and across the following public way: Concord Street, in support of new geothermal ambient loop pipe, as requested by James F. Blais, Jr., Senior Specialist Right of Way, T&D Rights and Survey on **August 25, 2023.**

Concord Street – (1) Extending southerly from Normandy Road along West side (near center) for a distance of approximately 1,220± feet then (2) westerly at the north side of Lindbergh Road

Plan Ref. PROJECT NO. 253460-273904 (Issued For Construction),

FILE NAME: C008STPL, C-8 Dated: 2/23/2023 (Rev: 8/23/2023)

West side route shown in red on FILE: Concord St Framingham – Proposed Geothermal 8inHDPE_modify route.pdf)

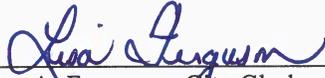
Install one (1) 8" diameter HDPE Geothermal Ambient Loop Pipe, one (1) 1 ¼" service connection, two (2) 1 ½" service connections and all associated valves and fixtures necessary or useful in connection therewith.

All construction under this order shall be in accordance with the conditions set forth in a letter dated April 24, 2023 from the Framingham Department of Public Works as follows:

1. The applicant (or applicant's designee) shall be registered as a utility within the Dig-Safe system and will be responsible to comply with all applicable laws and regulations pertaining to utility location and marking, including MGLc.82, sec.40 and 220 CMR 99. The applicant (or applicant's designee) shall fulfill the definition of "Company" as set forth in the aforementioned law and regulations.
2. The Geothermal pipe shall be colored black and labeled appropriately as Geothermal piping on four sides evenly spaced around and through-out the length of the pipe
3. The proposed 8-inch HDPE pipe shall be installed a minimum three feet away from City utilities.
4. The DPW requests notification prior to the start of work to verify final location in the field.
5. Pavement restoration: all trenches shall be appropriately backfilled and compacted with minimum 4-inches of binder or match existing pavement thickness if greater. The trenches shall settle minimum 120-days or a winter season. After the settlement period, the trenches shall be restored as follows:
 - Concord Street shall be milled and paved the trench width plus minimum 2-feet past the trench boundaries.

6. All work shall conform to the City of Framingham construction standards.

I hereby certify that the foregoing order was adopted at a meeting of the City Council of the City of Framingham, Massachusetts held on the 5th day of September 2023.



Lisa A. Ferguson, City Clerk
Emily Butler, Assistant City Clerk

We hereby declare that on September 5, 2023 at 7:00 PM at 150 Concord Street, Framingham, Massachusetts a public hearing was held on the petition of **NSTAR Gas (EVERSOURCE) F.W.O #NTGT0N2Y** for permission to **amend ORDER 2023-028**, to construct, and a location for, such High Density Polyethylene Geothermal Ambient Loop Pipe and associated valves , fixtures, and appurtenances therein, described in the order herewith recorded, and that we mailed at least seven days before said hearing a written notice of the time and place of said hearing to each of the owners of real estate (as determined by the last preceding assessment for taxation) along the ways or parts of ways upon which the Companies are permitted to erect poles, wires, cables, fixtures and connections under said order.

It is noted that, due to the COVID-19 pandemic, this meeting and public hearing was held with City Council members present either in person or via Zoom. The meeting is available for viewing on the City of Framingham website under Government Channel.

And that thereupon said order was duly adopted.

City Council
City of Framingham, Massachusetts

CERTIFICATE

I hereby certify that the foregoing is a true copy of a joint location order and certificate of hearing with notice adopted by the Framingham City Council of the City of Framingham, Massachusetts on the 5th day of September, 2023 and recorded with the records of location orders of said City, Book 17, Page 23-14. This certified copy is made under the provisions of Chapter 166 of General Laws and any additions thereto or amendments thereof.

Attest:



Lisa A. Ferguson, City Clerk
Emily Butler, Assistant City Clerk



CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | OPERATIONS

OPERATIONS CENTER
100 Western Avenue
Framingham, MA 01702

508-532-6010
engineering@framinghamma.gov
www.framinghamma.gov

August 30, 2023

City Council
City of Framingham
Memorial Building
150 Concord Street
Framingham, MA 01702

Re: Concord Street – Amend Request Eversource et al. Worked Geothermal Pilot Grant of Location Request
Eversource F.W.O. #NTGT0N2Y

Dear City Council,

The Department of Public Works (DPW) is in receipt of a request from NSTAR Gas Company d/b/a Eversource Energy to amend approved Grant of Location Order 2023-028 as depicted on Geothermal Loop Piping Plans II & III Concord Street, prepared by CDM Smith, dated February 2023 and revised March 2023.

We have reviewed the amended request and recommend approval with same conditions as set forth in the DPW letter dated April 24, 2023.

Please contact me at (508) 532-6010 if you have any questions.

Yours very truly,

A handwritten signature in blue ink, appearing to read "Eric V. Johnson".

Eric V. Johnson, P.E.
City Engineer

cc: W. Sedewitz, Chief Engineer
R. Lewis, DPW Director
S. Luz, Sustainability Coordinator

K. Ronconi, DPW Highway and Sanitation
T. Nguyen, DPW Project Manager



247 Station Drive
Westwood, Massachusetts 02090

August 25, 2023

City of Framingham, City Council
Memorial Building
150 Concord Street
Framingham, MA 01704

RE: **Concord Street** – Grant of Location (GOL) **Order 2023-028** – Amend Request
Eversource Networked Geothermal Pilot – City of Framingham, MA (“City”)
F.W.O.# NTGT0N2Y

Hearing Required

Dear Members of the City Council:

NSTAR GAS COMPANY d/b/a EVERSOURCE ENERGY respectfully requests a modification to the Grant of Location (GOL) provided for under ORDER 2023-028 to install one (1) new 8” diameter High-Density Polyethylene (HDPE) Geothermal Ambient Loop Pipe, one (1) 1¼” service connection, two (2) 1½” service connections and associated valves, fixtures, and appurtenances necessary or useful in connection therewith, pursuant to provisions of Massachusetts General Laws and City policy.

Operations and field crews have identified a need to modify the 8” HDPE Geothermal Ambient Loop Pipe route to remain within/along the West side of Concord Street (per ORDER 2023-028) entirely, rather than shifting to the East side as originally proposed, in order to avoid damage(s) to existing utilities identified in the field. NSTAR and its contractors are coordinating with the City of Framingham DPW and received concurrence for the proposed shift and GOL (ORDER 2023-028) revision. Thank you for your time in reviewing this matter while we continue our efforts to demonstrate the effectiveness and benefits of operating a networked geothermal energy distribution system, a portion of which will be installed at **Concord Street**.

If you have any further questions, please contact James Blais at (781) 441-8732 or Eric Bosworth at (508) 836-7278.

Very truly yours,

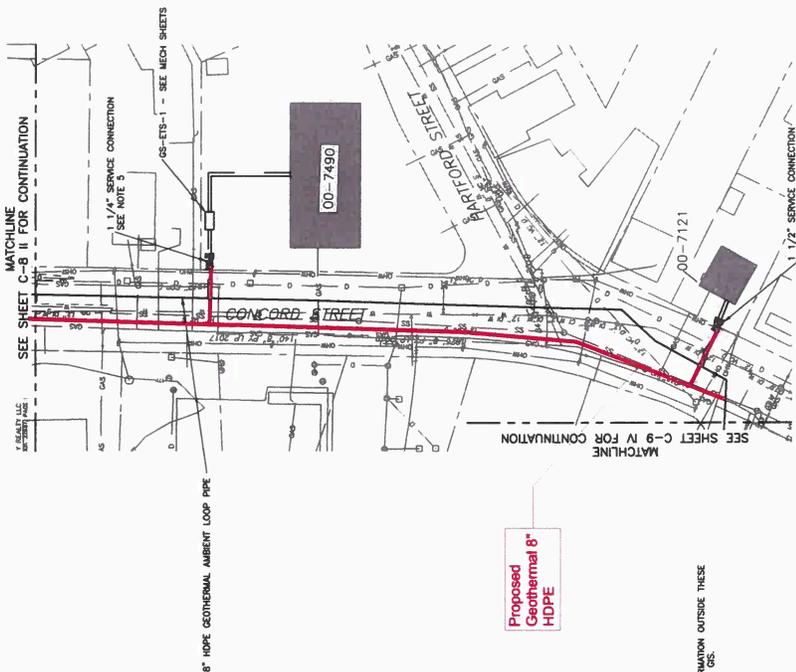
James F. Blais, Jr.

James F. Blais, Jr.
Senior Specialist, T&D Rights and Survey

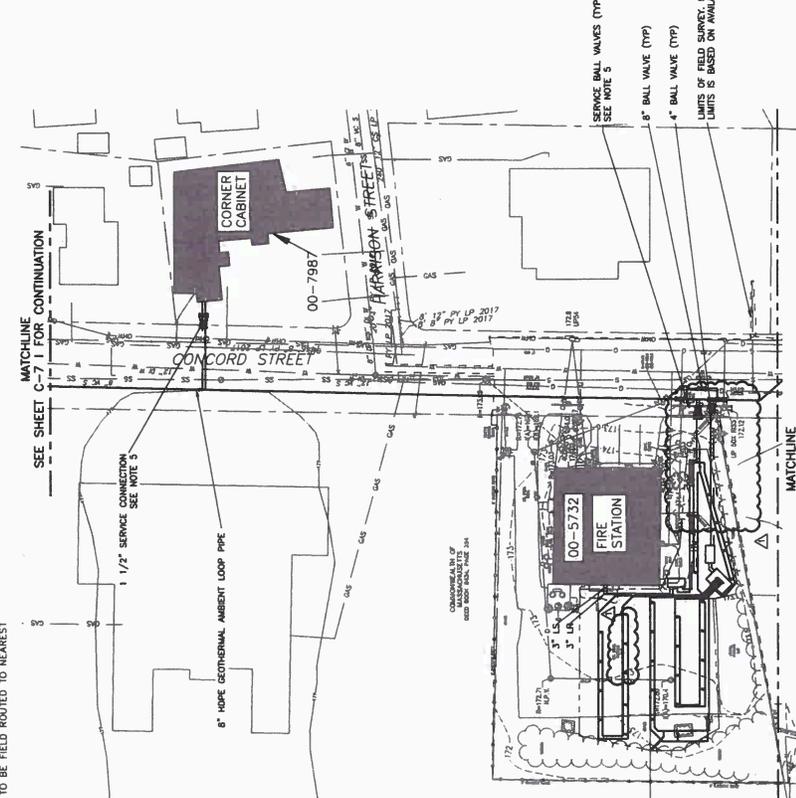
JFB
enclosures
Attachments

GENERAL NOTES

1. ALL PROPOSED GEOTHERMAL PIPE ALIGNMENT SHOWN IS APPROXIMATE. CONTRACTOR SHALL VERIFY THE EXISTING UTILITIES AND THE LOCATION OF FINAL ALIGNMENT BASED ON FIELD CONDITIONS. COORDINATE WITH ENGINEER FOR OWNER, CITY OR PROPERTY APPROVAL PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL MINIMIZE IMPACTS TO EXISTING FEATURES TO THE EXTENT POSSIBLE. ANY SURFACE AREA AND DAMAGES TO EXISTING UTILITIES SHALL BE RESTORED IN KIND OR OTHERWISE SPECIFIED.
3. CONTRACTOR SHALL PROVIDE TRAFFIC AND PEDESTRIAN DISTURBANCE WITHIN THE RIGHT-OF-WAY AND OPEN EXCAVATION TO THE EXTENT POSSIBLE. PROVIDE TRAFFIC AND PEDESTRIAN DISTURBANCE WITHIN THE RIGHT-OF-WAY AND OPEN EXCAVATION TO THE EXTENT POSSIBLE.
4. TEMPORARY CONSTRUCTION FENCE TO BE INSTALLED BY CONTRACTOR AROUND WORK AREA AND ADJUSTED AS NEEDED. CONTRACTOR SHALL PROVIDE TRAFFIC AND PEDESTRIAN DISTURBANCE WITHIN THE RIGHT-OF-WAY AND OPEN EXCAVATION TO THE EXTENT POSSIBLE. PROVIDE TRAFFIC AND PEDESTRIAN DISTURBANCE WITHIN THE RIGHT-OF-WAY AND OPEN EXCAVATION TO THE EXTENT POSSIBLE.
5. SERVICE LINE BALL VALVES SHALL BE SAME SIZE SERVICE LINE. SEE SHEET G-2 FOR SIZES AND SHEET G-3 GENERAL CONFIGURATION.
6. ETS SUMP PUMP DISCHARGE PIPING TO BE FIELD ROUTED TO NEAREST SEWER.



GEOTHERMAL LOOP PIPING PLAN III - CONCORD STREET
PLAN
1" = 40'
20' 0"



GEOTHERMAL LOOP PIPING PLAN II - CONCORD STREET
PLAN
1" = 40'
20' 0"

Proposed Geothermal 8" HDPE

SERVICE BALL VALVES (TYP) SEE NOTE 5
8" BALL VALVE (TYP)
4" BALL VALVE (TYP)
LIMITS OF FIELD SURVEY INFORMATION OUTSIDE THESE LIMITS IS BASED ON AVAILABLE GIS.

<p>PROJECT NO. 251460-73304 FILE NAME: 00000001 SHEET NO. C-8</p>	
<p>ISSUED FOR CONSTRUCTION</p>	
<p>GEOTHERMAL LOOP PIPING PLANS II & III CONCORD STREET</p>	
<p>EVERSOURCE NETWORKED GEOTHERMAL DEMONSTRATION PILOT PROJECT</p>	
<p>DESIGNED BY: C. PETERSON DRAWN BY: C. PETERSON CHECKED BY: D. BLANKEN APPROVED BY: M. STITZ DATE: FEBRUARY, 2024</p>	
<p>REMARKS</p>	
<p>NO.</p>	<p>DATE</p>
<p>1</p>	<p>02/23/24</p>
<p>2</p>	<p>02/23/24</p>
<p>3</p>	<p>02/23/24</p>
<p>4</p>	<p>02/23/24</p>
<p>5</p>	<p>02/23/24</p>
<p>6</p>	<p>02/23/24</p>
<p>7</p>	<p>02/23/24</p>
<p>8</p>	<p>02/23/24</p>
<p>9</p>	<p>02/23/24</p>
<p>10</p>	<p>02/23/24</p>

© 2024 CDM SMITH ALL RIGHTS RESERVED. THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.