



CITY OF SOMERVILLE
Commonwealth of Massachusetts
93 Highland Avenue
Somerville, MA 02143
(617) 625-6600

BUSINESS LICENSE APPLICATION - Grant of Location

File #: 24-008918
License #: BL24-000071
Address: 75 MYSTIC AVE
Licensee: Erica Hudson Siena Engineering Group
DBA Name: Cambridge Network Solutions

Business Ownership Type: Corporation
Legal Name of Entity: Cambridge Network Solutions
Owners/Officers: , , ,

License Information:

Grant of location issued to: CNS

Describe the reason for the work, and the intended beneficiaries: This work is to provide service to customers in the area.

Insert here the same detailed description of the work as appears in the attached Grant of Location

Order: The proposed conduit installation will begin by breaking out of existing Eversource electrical MH#22835 on Mystic Ave near the Home Depot parking lot to the proposed 3'x3' CNS Handhole which will include one (1) 4-inch PVC schedule 40 conduit. The conduit will continue southeast to the proposed riser on the southwest side of Utility Pole# 249/9 located on Mystic Ave which will include one (1) 4-inch PVC schedule 40 conduit. A total of approximately 60 feet.

Approval Conditions:

Approved By:

Isabela Maia, Approved with Conditions

APPROVAL CONDITION IMM 240520: Any work requiring the use of the street and/or sidewalk will require a Street/Sidewalk Occupancy Permit from the Engineering Department. Apply via Citizen Serve before conduit installation.

APPROVAL CONDITION IMM 240520: Provide the City a copy of approved MWRA 8(m) Permit when submitting for Street Occupancy permit for both sewer and water lines.

APPROVAL CONDITION IMM 240520: Mystic Ave is on the 5-year street moratorium list; trench patches are not permitted. Provide mill & overlay from curb to curb and 12 feet on each side of utility trench.

Malik Drayton, Approved with Conditions

APPROVAL CONDITION: MD20240506: Contractor shall take all necessary precautions to avoid damaging any tree or tree part with equipment.

APPROVAL CONDITION: MD20240506 All nearby street tree(s) shall be protected prior to and during all construction activities using TREE BOX or TREE WRAPS. . TREE BOX shall be constructed from 2 in. x 4 in. lumber creating a box around the border of the tree pit with 2 in. x 4 in. lumber standing straight up at the corners and wrapped with orange snow fence. Detail attached. . TREE WRAPS (TREE TRUNK WRAPPING PROTECTION LUMBER) shall consist of 2 in. x 4 in. and 8 ft. height lumber wired together in close spacing with zip ties or 16 gauge galvanized steel wire to form a protective enclosure around tree trunks. Use burlap to separate the wood from the bark if necessary to prevent wood from scraping or

bruising bark. Do not use staples or puncture the trunk in any way.

APPROVAL CONDITION: MD20240506: Any tree roots less than two (2) inches in diameter that cannot be avoided during construction shall be carefully and cleanly cut with a clean pair of pruning shears or loppers. Roots are to be cut back flush with the edge of the trench. If any tree roots greater than two (2) inches in diameter are encountered, stop work immediately and contact the City Urban Forester. Any and all pruning of roots greater than 2 inches in diameter must be completed under the supervision of the City Urban Forester.

Eric Weisman, Approved

Kimberly M. Wells, Approved



CITY OF SOMERVILLE, MASSACHUSETTS
CITY CLERK'S OFFICE
KATJANA BALLANTYNE
MAYOR

KIMBERLY M. WELLS
CITY CLERK

June 4, 2024

NOTICE OF PUBLIC HEARING

You are hereby notified that the Somerville City Council will hold a Public Hearing on the following Petition. You are receiving this Notice because the Petitioner has reported that you own property that abuts the work that is being proposed. You and other members of the public are invited to attend and be heard at this Hearing.

This meeting of the City Council will also be conducted via remote participation, online in a webinar hosted on the Zoom platform.

You have three ways to be heard at this meeting:

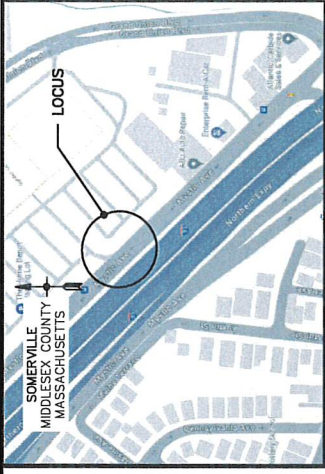
1. To attend and be heard, enter the link exactly as it appears below into your internet browser any time before the meeting. You will then be asked to register for the meeting. After registering, you will receive an email with instructions to join the webinar when it starts.
2. You may also testify in person in the City Council Chamber, City Hall, 2nd Floor, 93 Highland Avenue, Somerville, MA 02143
3. If you are unable to attend but wish to be heard, you may send written comments by US mail to the City Clerk at the address below, or by email to cityclerk@somervillema.gov. Your comments must arrive no later than 12 Noon on the day of the Hearing, in order to be sure they are conveyed to the Council.

PETITION: Cambridge Network Solutions seeks a Grant of Location to install 60 feet of conduit in Mystic Avenue from existing Eversource Manhole #22835 to a proposed Handhole. Then continuing to a point of pickup to Utility Pole #249/9 located near 75 Mystic Avenue.

PLACE: https://us02web.zoom.us/webinar/register/WN_v5ceoNj3Q7GOy2FbcqAtCQ or City Council Chambers, City Hall, 2nd Floor, 93 Highland Avenue, Somerville, MA 02143

TIME: Thursday, June 13, 2024, at 7:00 PM

PURPOSE: The work is necessary to provide service to the surrounding area.



LOCUS MAP
NOT TO SCALE



CAMBRIDGE NETWORK SOLUTIONS

PROPOSED CONDUIT PLACEMENT PLAN EVERSOURCE MH22835 ON MYSTIC AVENUE SOMERVILLE, MASSACHUSETTS

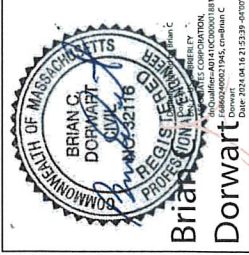
SHEET INDEX

- TITLE SHEET
- 1. PROPOSED CONDUIT PLACEMENT PLAN
- 2. DETAIL SHEET
- 3. DETAIL SHEET
- 4. LEGEND & NOTES

31 West Main Street, 2nd Floor, Somerville, MA 02145-2005 Mystic Ave Somerville, MA 02145-2005

Designed by R. STOKER	Checked by J. KENNEDY	Date APRIL 16, 2024
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TITLE SHEET		
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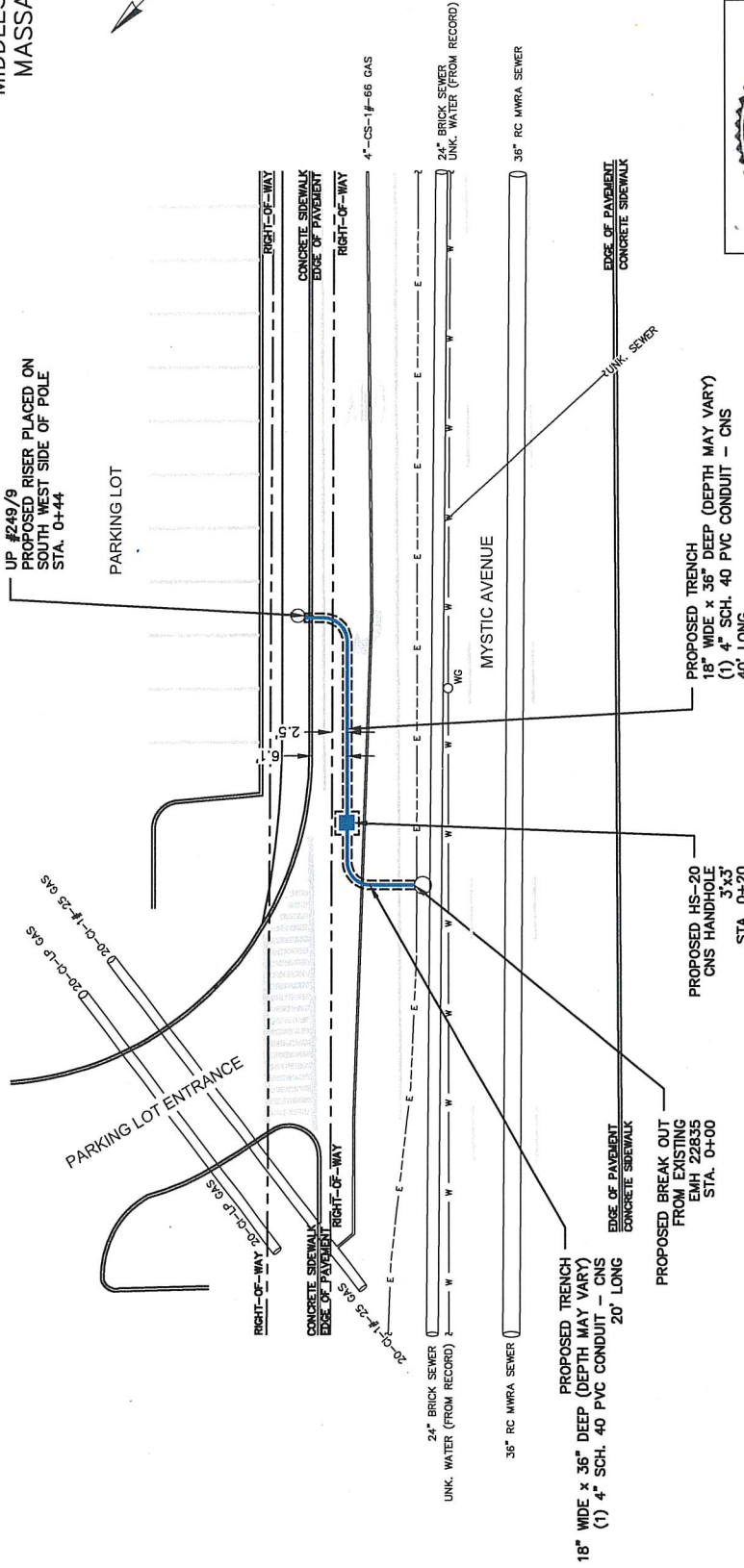
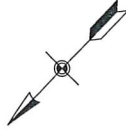


REGISTRY BOX

CITY OF SOMERVILLE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
GRANT OF LOCATION PLAN
PROPOSED LATERAL CONDUIT PLACEMENT
EVERSOURCE MH22835 ON MYSTIC AVENUE

SHEET NUMBER
CV

SOMERVILLE
MIDDLESEX COUNTY
MASSACHUSETTS



Brian C. Dorwart
CITY OF SOMERVILLE

REGISTRY BOX

SHEET NUMBER:
1
OF 4 SHEETS

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
GRANT OF LOCATION PLAN
PROPOSED LATERAL CONDUIT PLACEMENT
EVERSOURCE MH22835 ON MYSTIC AVENUE

PREPARED FOR:
CNS
CAMBRIDGE NETWORK SOLUTIONS

PREPARED BY:
SIENA
ENGINEERING CONSULTING
20 Main Street, Suite 203, Burlington, MA 01803
P: 781.271.6400 F: 781.271.7177

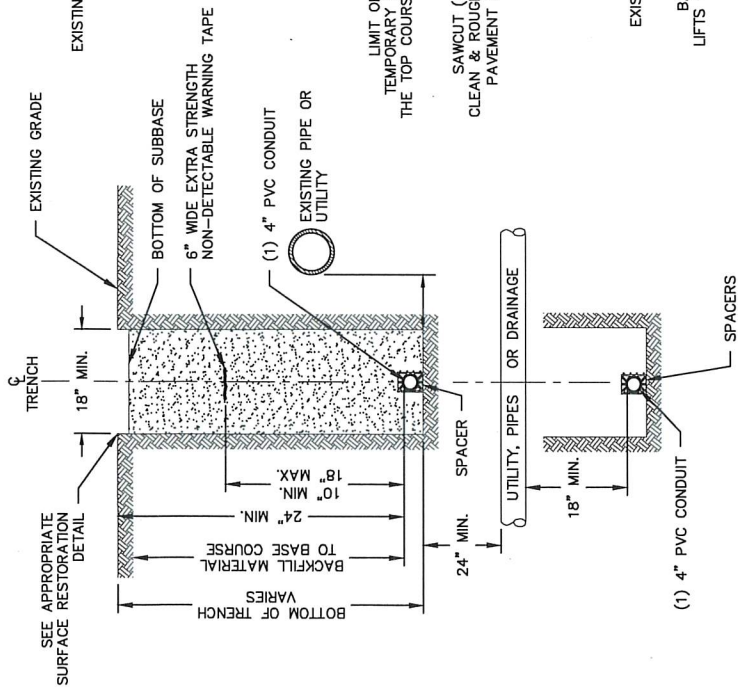
DESIGNED BY: R. STOKER
CHECKED BY: J. KENNEDY
DATE: APRIL 16, 2024
SCALE: 1" = 20'

DIVISION ENGINEER

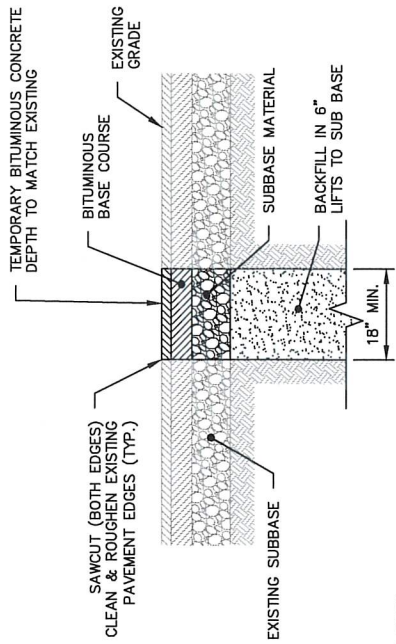
NOTE.

DEPTH SHALL VARY BASED UPON ENCOUNTERS WITH EXISTING UTILITIES. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 24" DEPTH OF COVER. IF 24" MINIMUM DEPTH OF COVER CANNOT BE ACHIEVED, CONSULT W/ ENGINEER.

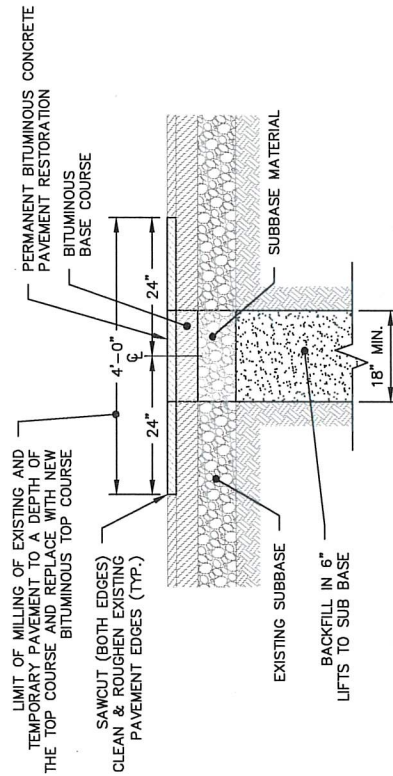
TRENCH WIDTH DIMENSIONS SHOWN FOR CLARITY. ACTUAL WIDTH WILL DEPEND ON FIELD CONDITIONS.



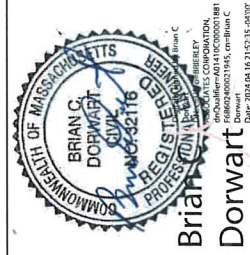
TYPICAL TRENCH DETAIL
NOT TO SCALE



TEMPORARY BITUMINOUS CONCRETE ROADWAY
RESTORATION DETAIL
NOT TO SCALE



PERMANENT BITUMINOUS CONCRETE ROADWAY
RESTORATION DETAIL
NOT TO SCALE



Brian C. Dorwart
CITY OF SOMERVILLE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
GRANT OF LOCATION PLAN
PROPOSED LATERAL CONDUIT PLACEMENT
EVERSOURCE MH22835 ON MYSTIC AVENUE

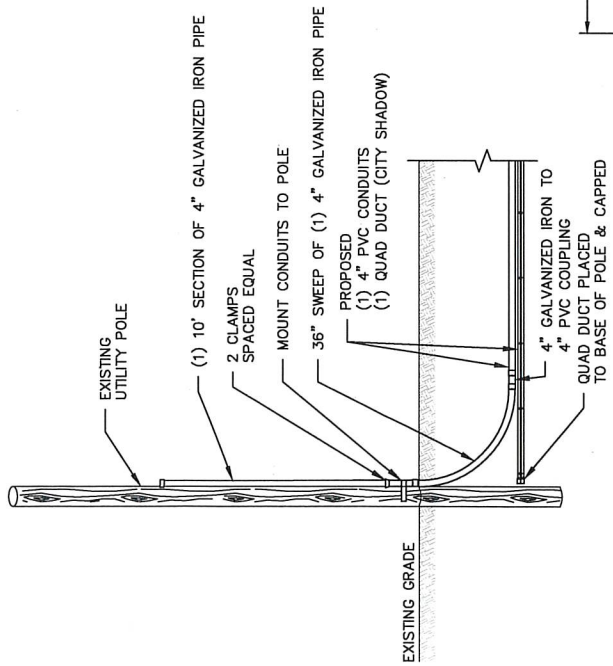
SHEET NUMBER: **2**
OF 4 SHEETS

PREPARED FOR:
CNS
CAMBRIDGE NETWORK SOLUTIONS

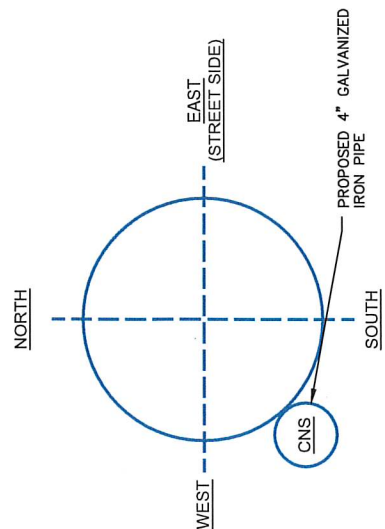
PREPARED BY:
SIENA
CONSULTING ENGINEERING
30 Mill Pond, Suite 203, Burlington, MA 01803
P: 978.271.9446 F: 978.271.7177

DESIGNED BY R. STOKER	CHECKED BY J. KENNEDY	DATE APRIL 16, 2024	DETAIL SHEET
Scale: AS NOTED			

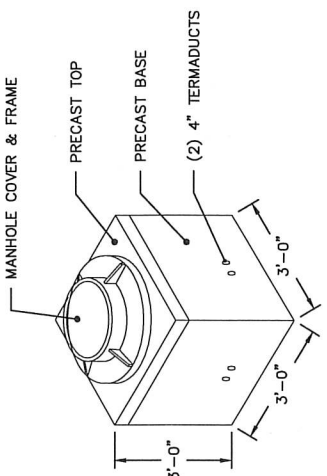
CS:\Users\jstoker\My Documents\Temp\proj\shd\17980124-2000 Mystic Ave Somerville.dwg
Apr 16, 2024 - 2:30pm by rstoker



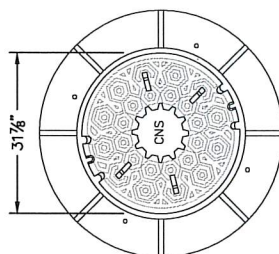
PROPOSED RISER DETAIL
NOT TO SCALE



UTILITY POLE 249/9
NOT TO SCALE



CONCRETE HS-20 RATED CAMBRIDGE NETWORK SOLUTIONS (CNS)
HANDHOLE DETAIL - 3'X3'
NOT TO SCALE

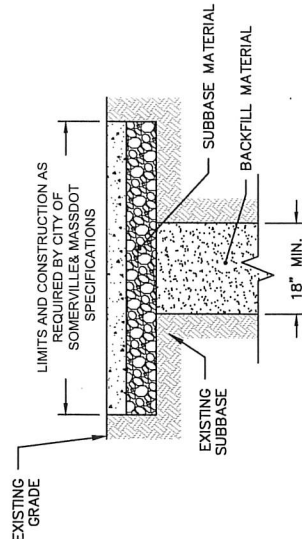


FRAME & STANDARD CAMBRIDGE NETWORK SOLUTIONS (CNS)
COVER ASSEMBLY DETAIL
NOT TO SCALE

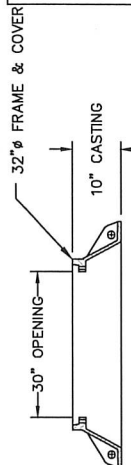
- NOTES:
- COVER COMPLES WITH AASHTO HS-20 LOAD RATINGS FOR ALL STATES.
 - COVER INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF CAMBRIDGE NETWORK SOLUTIONS (CNS) STANDARD SPECIFICATIONS FOR OUTSIDE PLANT CABLE CONSTRUCTION AND REMOVAL.
 - COVER AND FRAME PROPERLY ALIGNED AND FREE OF DIRT AND STONES WHEN JOINED.

NOTES:

- HANDHOLES INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF CAMBRIDGE NETWORK SOLUTIONS (CNS) STANDARD SPECIFICATIONS FOR OUTSIDE PLANT CABLE CONSTRUCTION AND REMOVAL.
- CONCRETE COMPRESSIVE STRENGTH = 5,000 PSI. VAULT IS DESIGNED TO MEET ASTM C857 AND ACI 318 WITH AASHTO HS-20 LOADING.
- CONSTRUCTION JOINT SEALED WITH 1" DIA. BUTYL RUBBER OR ENGINEER APPROVED EQUAL.
- MANHOLE RACKING CONFORMS WITH CAMBRIDGE NETWORK SOLUTIONS (CNS) SPECIFICATIONS.
- MANHOLE MANUFACTURED BY OLDCASTLE PRECAST, UTILITY MANHOLE MH3X3X30B

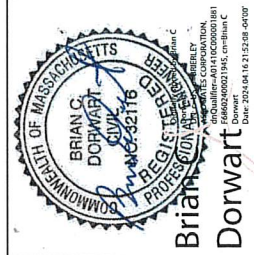


CONCRETE SIDEWALK
RESTORATION DETAIL
NOT TO SCALE



32" ϕ FRAME & COVER
30" OPENING
10" CASTING

REGISTRY BOX



Brian C. Dorwart
CITY OF SOMERVILLE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
GRANT OF LOCATION PLAN
PROPOSED LATERAL CONDUIT PLACEMENT
EVERSOURCE MH22835 ON MYSTIC AVENUE



PREPARED BY:
SIENA
SPECIALTY ENGINEERING & DESIGN
30 Main Road, Suite 207, Burlington, MA 01803
P: 781.271.6400 F: 781.271.3177

Date APRIL 16, 2024	Detail Sheet
Checked by J. KENNEDY	Scale: AS NOTED
Designed by R. STOKER	

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SYMBOLS

	PROPOSED MANHOLE	• PS	PEDESTRIAN SIGNAL
	PROPOSED HANDHOLE	○ SMH	SEWER MANHOLE
	SOMERVILLE WATER WORKS HANDHOLE	○ STMH	STEAM MANHOLE
	CATCH BASIN	○ SLMH	STREET LIGHT MANHOLE
	DEPTH OF CABLE NOTE	— SIGN	SIGN
	DRAIN MANHOLE	○ TMH	TELEPHONE MANHOLE
	ELECTRIC MANHOLE	□ TELHH	TELEPHONE HANDHOLE
	ELECTRIC HANDHOLE	□ THH	TRAFFIC HANDHOLE
	FIRE ALARM PULL BOX	— TRAFFIC MAST ARM	TRAFFIC MAST ARM
	GAS MANHOLE	— TRAFFIC SIGNAL CONTROL CABINET	TRAFFIC SIGNAL CONTROL CABINET
	GAS METER	— TRAFFIC SIGNAL	TRAFFIC SIGNAL
	GAS GATE	— TREE	TREE
	GUARD POST (BOLLARD)	— UTILITY POLE	UTILITY POLE
	HFFS MH HIGH PRESSURE FIRE MANHOLE	— WATER GATE	WATER GATE
	HYDRANT	— WATER METER	WATER METER
	LIGHT POLE		
	PARKING METER		

LINETYPES - SIZE UNKNOWN

	PROPOSED CONDUIT
	PIPE TYPE CABLE (HIGH VOLTAGE ELEC)
	COMBINED SEWER LINE
	CURBING (TYPE)
	CABLE TELEVISION LINE
	DRAIN LINE
	ELECTRIC LINE
	FENCE (TYPE)
	GAS LINE
	OVERHEAD WIRES
	PROPERTY LINE
	SEWER LINE
	STEAM LINE
	TELEPHONE LINE
	TRAFFIC SIGNAL WIRES
	WATER LINE

ABBREVIATIONS

(ABAN)	ABANDONED
B/P	BEANPOLE
BIT CONC	BITUMINOUS CONCRETE
C/P	CAST IRON PIPE
CLF	CHAIN LINK FENCE
CONC	CONCRETE
ELEC	ELECTRIC
FND	FOUND
GRAN	GRANITE
H/CA/P	HANDICAP
LST	LANDSCAPE TIMBER
N/F	NOW OR FORMERLY
PK NAIL	PK NAIL
PVC	POLYVINYL CHLORIDE
(R)	RECORD
SW	SIDEWALK
STK/TK	STAKE/TACK
SB/DH	STONE BOUND/DRILL HOLE
W/	WITH

NOTES

- SUBSURFACE UTILITY LINES, AS SHOWN HEREON, WERE COMPILED ACCORDING TO AVAILABLE RECORD INFORMATION FROM THE REFERENCED COMPANIES AND PUBLIC AGENCIES, AND THEIR LOCATIONS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD. SIENA ENGINEERING GROUP ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.
- PROPERTY OWNERS AND PARCEL IDENTIFIERS ARE ACCORDING TO THE CITY OF SOMERVILLE ASSESSORS ON-LINE PARCEL DATA, WWW.SOMERVILLEMA.GOV
- ALL WORK SHALL CONFORM TO CITY OF SOMERVILLE SPECIFICATIONS, AS WELL AS, CONSTRUCTION DETAILS, INCLUDING MATERIALS AND CONSTRUCTION METHODS.

REFERENCES

- WATER INFORMATION PER DPW WATER AND SEWER PLANS, SCALE 1"=100'.
- SEWER INFORMATION PER MWRA WATER AND SEWER PLANS, SCALE 1"=100'.
- ELECTRIC INFORMATION PER EVERSOURCE ENERGY RECORD UTILITY PLANS.
- GAS INFORMATION PER NATIONAL GRID RECORD UTILITY PLAN.
- TELECOMMUNICATION PER RECORD PLANS RECEIVED FROM VERIZON, COMCAST, AT&T & TCC.

REGISTRY BOX

Brian C. Dorwart
 PROFESSIONAL ENGINEER
 License No. 11650200021845, 04/16/2024
 Date: 2024.04.16.23.51.25

PREPARED BY: SIENA ENGINEERING GROUP 200 Main Street, Suite 201, Somerville, MA 02143 P: 781.271.6400 F: 781.271.7177		PREPARED FOR: CAMBRIDGE NETWORK SOLUTIONS	
DESIGNED BY: R. STOKER		CHECKED BY: J. KENNEDY	
DATE: APRIL 16, 2024		LEGEND & NOTES	
CITY OF SOMERVILLE ENGINEERING DIVISION GRANT OF LOCATION PLAN PROPOSED LATERAL CONDUIT PLACEMENT EVERSOURCE MH22835 ON MYSTIC AVENUE		PUBLIC WORKS DEPARTMENT SHEET NUMBER: <h1 style="font-size: 2em;">4</h1> OF 4 SHEETS	

I-93 SOMERVILLE LLC
PO BOX 105842
ATLANTA, GA 30348 USA