



**CITY OF SOMERVILLE**

Commonwealth of Massachusetts

93 Highland Avenue

Somerville, MA 02143

(617) 625-6600

**BUSINESS LICENSE APPLICATION - Grant of Location**

File #: 21-000897

License #: BL21-000004

Address: 34 PEARL ST

Licensee: Matthew Pricco Network Building + Consulting

DBA Name: ExteNet Systems, Inc.

Business Ownership Type: Corporation

Legal Name of Entity: ExteNet Systems, Inc.

Owners/Officers: James A. Hyde, H. Anthony Lehv, Daniel L. Timm,

**License Information:**

**Grant of location issued to:** ExteNet Systems, Inc.

**Describe the reason for the work, and the intended beneficiaries:** This work is necessary to provide an underground connection for a small wireless facility at 34 Pearl St. The facility will improve wireless communications services for residents, businesses, and visitors in the vicinity.

**Insert here the same detailed description of the work as appears in the attached Grant of Location Order:** Pearl St: - Starting at existing Eversource MH #4551 placing (1) 3" PVC for Power Feed approximately 41' to Proposed Handhole 2' N/NW of Proposed NE-MA-BSTN3N01-03344 Node Location. - Proposed 24x24x24 Handhole to service NE-MA-BSTN3N01-03344 Node Location. - Starting at Proposed Handhole placing (1) 3" PVC for Power Feed approximately 2' to the Proposed NE-MA-BSTN3N01-03344 Node Location.

Approval Conditions:

**Approved By:**

**Karla Cuarezma, Approved**

**Malik Drayton, Approved with Conditions**

APPROVAL CONDITION: MD20210202: Contractor shall take all necessary precautions to avoid damaging any tree or tree part with equipment.

APPROVAL CONDITION: MD20210202: 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: MD20210202: 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.

**Mark Lawhorne, Approved**

**John J. Long, Approved**



CITY OF SOMERVILLE, MASSACHUSETTS  
CITY CLERK'S OFFICE  
JOSEPH A. CURTATONE  
MAYOR

JOHN J. LONG  
CITY CLERK

February 3, 2021

**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.

Because of Governor Baker's and Mayor Curtatone's recent orders limiting the number of people that may gather in one place, **this meeting of the City Council will be conducted via remote participation, online in a webinar hosted on the GoToWebinar platform.**

You have two 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. 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](mailto: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:** Extenet seeks a Grant of Location to install a total of 43 feet of conduit in the intersection of Pearl Street and Pinckney Street as follows: Starting from Eversource manhole 4551 to a proposed handhole, then continuing 2 feet to a small wireless facility node.

**PLACE:** <https://attendeegotowebinar.com/register/1007256417857767181>.

**TIME:** Thursday, February 11, 2021, at 7:00 PM.

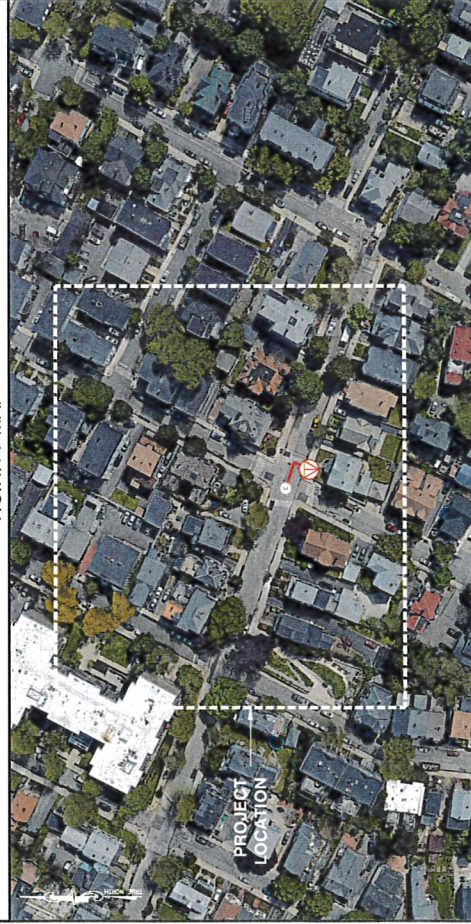
**PURPOSE:** The work is necessary to provide service to a small wireless facility.



**NE-MA-BSTN3N01-TMO-03344**  
**HUB: NEH0005A**  
**PETITION PLANS**

34 PEARL STREET, SOMERVILLE, MA 02145  
 CITY OF SOMERVILLE, MIDDLESEX COUNTY

VICINITY MAP



**LEGEND**

- PROPERTY LINE
- RIGHT-UP-WAY
- EXISTING FENCE LINE
- EDGE OF PAVEMENT
- EXISTING GAS LINE
- EXISTING SEWER LINE
- EXISTING STORM DRAIN LINE
- EXISTING O/H UTILITY LINE
- EXISTING WATER SERVICE
- EXISTING TELEPHONE
- EXISTING ELECTRIC
- EXISTING CONDUIT
- PROPOSED TRENCH
- PROPOSED ELECTRIC
- PROPOSED UNDERGROUND FIBER
- HUB
- FIBER NODE
- SPLICE ENCLOSURE
- SLACK LOOP
- PROPOSED POLE
- RISER
- POLE GROUNDING
- UTILITY POLE
- LIGHT POLE
- TRAFFIC POLE
- WATER VALVE
- GAS VALVE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- UNKNOWN MANHOLE
- HANDHOLE
- STORM DRAIN
- ELECTRIC VAULT
- EXISTING STRUCTURE
- STORM DRAIN MANHOLE
- SANITARY SEWER MANHOLE
- HYDRANT
- EXISTING DOWN GUY WITH ANCHOR
- PROPOSED DOWN GUY WITH ANCHOR
- EXISTING ANCHOR

**DRAWING INDEX**

01	TITLE SHEET
02	NOTES
03	UTILITY PLAN
04	DETAILS
05	FOUNDATION DETAILS + NOTES

**PROJECT TEAM**

ENGINEERING FIRM: NB+C ENGINEERING SERVICES, LLC.  
 100 APOLLO DRIVE, SUITE 303  
 CHELMSFORD, MA 01824  
 (978) 165-6388

**DRAWING SCALE**

THESE DRAWINGS ARE SCALED TO FULL SIZE AT 22"x34" AND HALF SIZE AT 11"x17". CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE BEGINS CONSTRUCTION. CONTRACTOR SHALL USE BEST PRACTICES FOR THE WORK. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

**REVISIONS**

REV#	DATE	DESCRIPTION	BY
0	11/20/20	PRELIMINARY	TP



VIRGINIA M. P. E.  
 MA PROFESSIONAL ENGINEER LIC. #50019

**TITLE SHEET**

SHEET  
**01 OF 05**

**CODE COMPLIANCE**

- ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES.
- 2015 INTERNATIONAL BUILDING CODE
  - (MASSACHUSETTS AMENDED 9TH EDITION)
  - 2017 NATIONAL ELECTRICAL CODE
  - NFPA 1-2015 EDITION
  - 2015 IFC - REFERENCE 327 CMR
  - AMERICAN CONCRETE INSTITUTE
  - AMERICAN INSTITUTE OF STEEL CONSTRUCTION
  - MANUAL OF STEEL CONSTRUCTION 13TH EDITION
  - ANS/ITA-222-G
  - TIA 607
  - INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
  - IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
  - TELECORDIA GR-1275
  - ANS/IFT 311

**PROJECT INFORMATION**

**SITE NAME:** NE-MA-BSTN3N01-TMO-03344  
**NB+C ES PROJECT NUMBER:** 100800  
**JURISDICTION:** CITY OF SOMERVILLE, MIDDLESEX COUNTY  
**EXTENET PROJECT MANAGER:** RICK ANGLANI, 3030 WARRENVILLE RD, SUITE 340, USLE, IL 60522, (630) 966-6327  
**HUB LOCATION:** 34 PEARL STREET, SOMERVILLE, MA 02145  
**ELECTRIC COMPANY:** EVERSOURCE

COBUCS INFORMATION



NE-MA-BSTN3N01-03344  
 NEH0005A  
 34 PEARL STREET  
 SOMERVILLE, MA 02145  
 CITY OF SOMERVILLE  
 MIDDLESEX COUNTY





DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

SHEET TITLE

SHEET NUMBER

COBUCS INFORMATION									
ENGINEERING FIRM									
APPLICANT									
ENGINEERING FIRM	NE-MA-BSTN001-033344 NEH00005A 34 PEARL STREET SOMERVILLE, MA 02145 CITY OF SOMERVILLE MIDDLESEX COUNTY								
DESIGN RECORD	<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1/25/20</td> <td>PRELIMINARY</td> <td>TP</td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	0	1/25/20	PRELIMINARY	TP
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PROFESSIONAL STAMP									
ENGINEER	JOHN P. MULLO, P.E. MA PROFESSIONAL ENGINEER, LIC. # 50019								
SHEET TITLE	<b>NOTES</b>								
SHEET NUMBER	<b>02 OF 05</b>								





**GENERAL NOTES:**

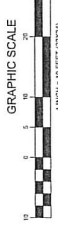
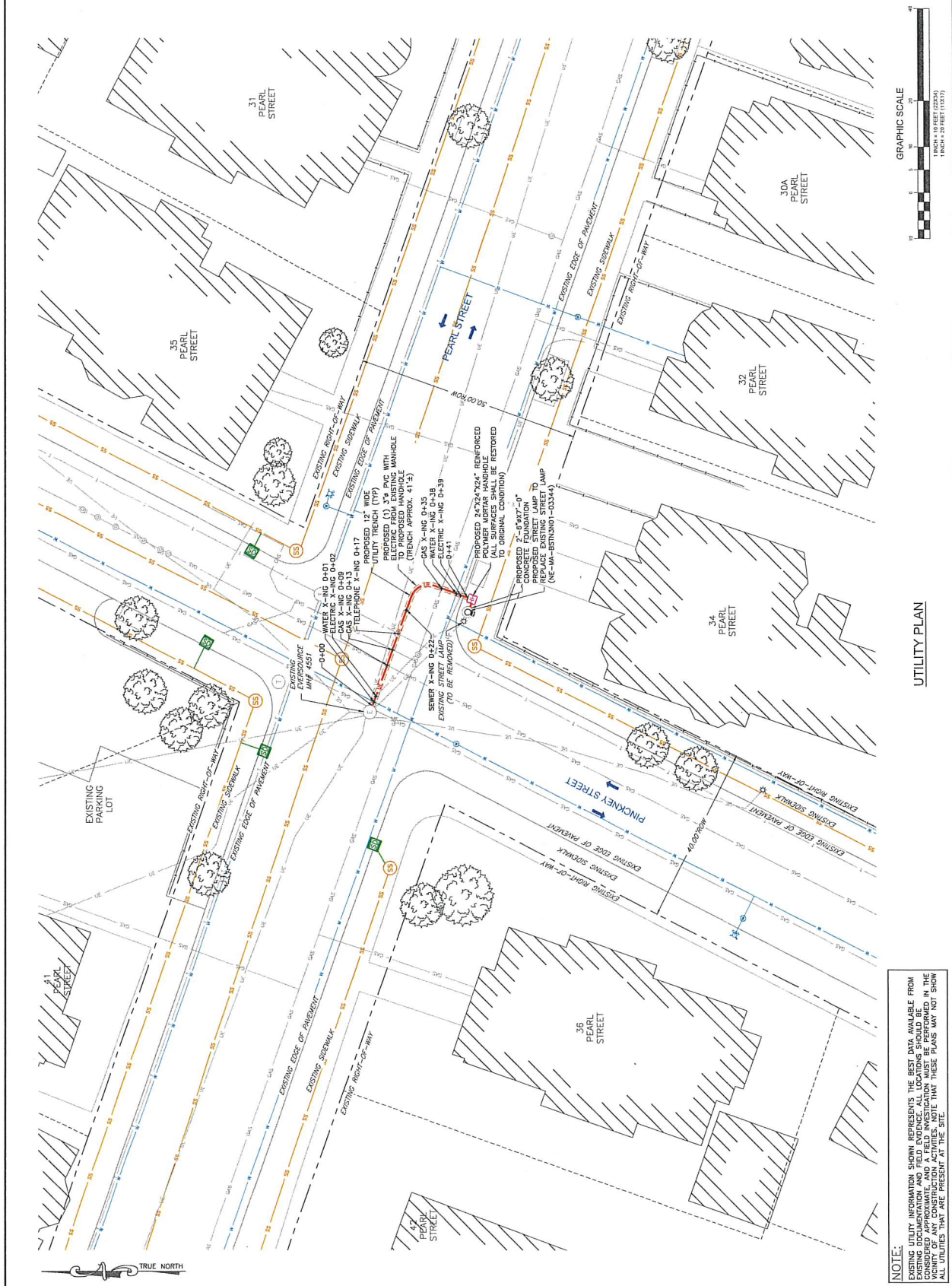
- THE CONTRACTOR SHALL OBEY ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PROJECT, INCLUDING BUT NOT LIMITED TO THE MASSACHUSETTS INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES.
- THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BEING AWARE OF THE SPECIFICATIONS SHALL NOT EXCLUDE SAID CONTRACT DOCUMENTS. THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
- THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONFLICTS IN THE PROJECT DOCUMENTS PRIOR TO THE SUBMISSION OF THE CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES IN WRITING OTHERWISE.
- BEFORE WORK SHALL BE INITIATED, THE CONTRACTOR SHALL VERIFY ALL MATERIALS, EQUIPMENT, LABORS AND ALL OTHERS ARE IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS AS DESCRIBED HEREIN, EXCEPT FOR FIBER OPTIC CABLE AND OTHER MATERIALS IDENTIFIED BY "AS SHOWN" OR "AS NOTED" CALLOUTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS AS DESCRIBED HEREIN, EXCEPT FOR FIBER OPTIC CABLE AND OTHER MATERIALS IDENTIFIED BY "AS SHOWN" OR "AS NOTED" CALLOUTS.
- THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION WORK TO START WORK ON THE PROJECT. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS AS DESCRIBED HEREIN, EXCEPT FOR FIBER OPTIC CABLE AND OTHER MATERIALS IDENTIFIED BY "AS SHOWN" OR "AS NOTED" CALLOUTS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES REQUIRE OTHERWISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS AS DESCRIBED HEREIN, EXCEPT FOR FIBER OPTIC CABLE AND OTHER MATERIALS IDENTIFIED BY "AS SHOWN" OR "AS NOTED" CALLOUTS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS AS DESCRIBED HEREIN, EXCEPT FOR FIBER OPTIC CABLE AND OTHER MATERIALS IDENTIFIED BY "AS SHOWN" OR "AS NOTED" CALLOUTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND KEEPING A COPY ON SITE. ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE ARCHITECT/ENGINEER, THE CONTRACTOR, OR ANY OTHER AGENCY SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND KEEPING A COPY ON SITE. ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE ARCHITECT/ENGINEER, THE CONTRACTOR, OR ANY OTHER AGENCY SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.
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**MANHOLE NOTES:**

- THE TOPS OF MANHOLE FRAMES AND COVERS SHALL BE INSTALLED FLUSH WITH GROUND, FRAME OR SURFACE.
- THE TOPS OF MANHOLE FRAMES AND COVERS SHALL BE INSTALLED FLUSH WITH GROUND, FRAME OR SURFACE.
- CONDUIT ENTERING MANHOLES SHALL BE TERMINATED FLUSH WITH THE INSIDE WALL.
- CONDUITS SHALL BE ALIGNED IN AS NEARLY A STRAIGHT LINE AS POSSIBLE TO ALLOW FOR USE OF FOLLOUING GEL.
- THE SPACE BETWEEN THE CONDUIT AND THE FRAME SHALL BE FILLED OR PACKED WITH CONCRETE OR ACCEPTABLE EQUIVALENT. THERE SHALL BE NO LEAKAGE.
- MANHOLES SHALL BE SET ON TRENCH FILL MEETING THE REQUIREMENTS OF 804.05 IN ORDER TO PREVENT SETTLEMENT.
- THE FRAME AND COVER SHALL BE PAINTED BEFORE INSTALLATION WITH 1 FIELD COAT OF PRIMER MEETING THE REQUIREMENTS OF 811.03.
- COVERS FOR MANHOLES AND HANDHOLES SHALL BE MARKED ON THE OUTSIDE. MARKING SHALL BE PLACED PARALLEL TO THE LONG SIDE OF THE COVER.
- EACH COVER SHALL HAVE TWO 0.875 INCH PICK HOLES TO ALLOW THE COVER TO BE REMOVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND SHORING NECESSARY IN ORDER TO INSTALL THE MANHOLES AND HANDHOLE SHOW ON THE PLANS.
- THE CONTRACTOR SHALL ELECTRICALLY GROUND ALL METALLIC OBJECTS COMPRISING THE FRAME AND COVER, INCLUDING THE FRAME AND COVER, CABLE RACKS AND REINFORCING STEEL AS APPROPRIATE.
- CABLE RACKS SHALL BE INSTALLED IN THE MANHOLE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL ADJUST THE MANHOLE TO GRADE USING A POURED CONCRETE COLLAR.
- THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR TEMPORARY PATCHING AROUND THE MANHOLE AND HANDHOLE AND MAINTENANCE OF THE PATCH UNTIL THE PERMANENT STREET CUT REPAIRS HAVE BEEN MADE.
- THE CONTRACTOR WILL SUBMIT CATALOG CUTS OF ALL PRECAST MANHOLES AND HANDHOLES TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL. ALL STRUCTURES TO BE INSTALLED IN THE ROADWAY OR AREAS SUBJECT TO VEHICLE.



COBUCS INFORMATION									
ENGINEERING FIRM									
APPLICANT									
ENGINEERING FIRM	NE-MA-BSTN001-033344 NEH00005A 34 PEARL STREET SOMERVILLE, MA 02145 CITY OF SOMERVILLE MIDDLESEX COUNTY								
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ENGINEER	JOHN P. MULLO, P.E. MA PROFESSIONAL ENGINEER, LIC. # 50019								
SHEET TITLE	<b>NOTES</b>								
SHEET NUMBER	<b>02 OF 05</b>								



UTILITY PLAN

NOTE:  
 EXISTING UTILITIES, INFORMATION SHOWN REPRESENTS THE BEST DATA AVAILABLE FROM EXISTING DOCUMENTATION AND FIELD SURVEYS. ALL LOCATIONS SHOULD BE CONSIDERED APPROXIMATE, AND A FIELD INVESTIGATION MUST BE PERFORMED IN THE FIELD TO VERIFY THE ACCURACY OF THE INFORMATION SHOWN. THESE PLANS MAY NOT SHOW ALL UTILITIES THAT ARE PRESENT AT THE SITE.

OBJECT INFORMATION

**NBC**  
TOTALLY COMMITTED.  
NBC ENGINEERING SERVICES, LLC  
100 WASHINGTON STREET  
CHILMARK, MA 01923  
(978) 654-4338

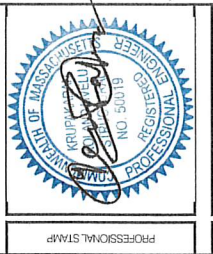
**extenet**  
YOUR NETWORK. EVERYWHERE.  
SYSTEMS  
3030 WASHINGTON STATE AVE  
LIBLE, IL 60532  
(815) 565-3160

**Mobile**

NE-MA-BSTN301-03344  
NEH00056A  
34 PEARL STREET  
SOMERVILLE, MA 02145  
CITY OF SOMERVILLE  
MIDDLESEX COUNTY

REVISIONS

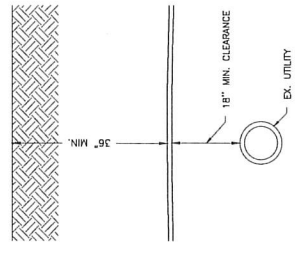
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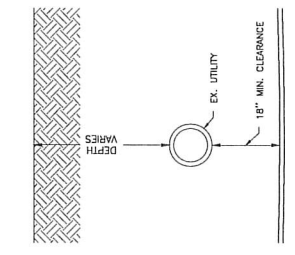
ENGINEER  
CHRISTOPHER J. MULLAN, P.E.  
MA PROFESSIONAL ENGINEER, #50019

SHEET TITLE  
**DETAILS**

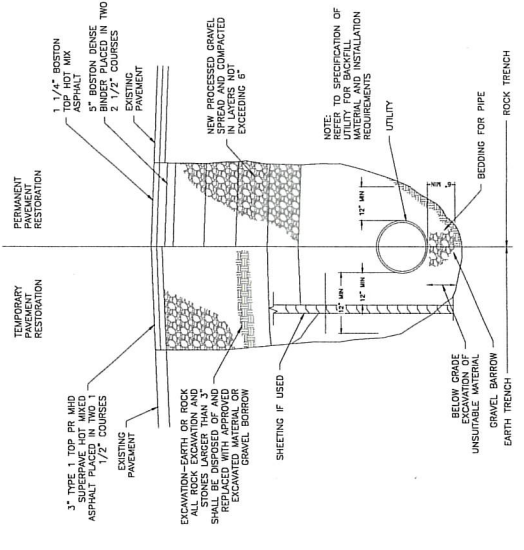
SHEET NUMBER  
**04 OF 05**



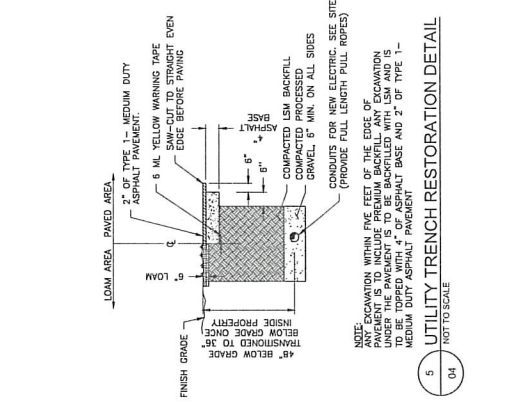
3 TYPICAL UTILITY CROSSING ABOVE  
04 NOT TO SCALE



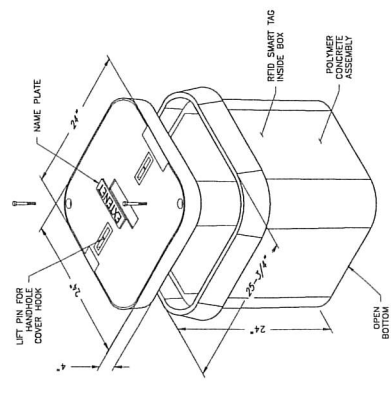
2 TYPICAL UTILITY CROSSING BELOW  
04 NOT TO SCALE



6 TYPICAL UTILITY TRENCH SECTION  
04 NOT TO SCALE

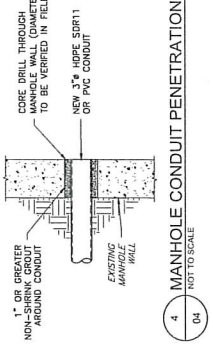


5 UTILITY TRENCH RESTORATION DETAIL  
04 NOT TO SCALE



1 TYPICAL TYPE-A VAULT DETAILS  
04 NOT TO SCALE

- NOTES:
1. THE MANHOLE SHALL BE SET WITH THE TOP COVER LEVELD AND MATCHING THE EXISTING SURFACE.
  2. THE BOTTOM OF THE PIPE SHALL BE COVERED WITH 12" OF 20# GRAVEL IN UNDISTURBED AREAS SHALL BE OPEN, AND PLACED IN THE CENTER OF THE PIT.
  3. AN IF APPROX. 1/2" POLYMER COVER ASSEMBLY SHALL BE PLACED ON THE BOTTOM OF THE PIT. THE MANHOLE COVERED TO THE TOP AND ATTACHED TO THE EXISTING SURFACE ON THE SIDE WALL OF THE PIT.
  4. THE DUCT PLACED INTO MANHOLE WALLS WILL USE APPROVED DUCT TENSILE TO 5000 PSI DUCT.
  5. THE DUCT SHALL BE PLACED INTO THE MANHOLE WALLS AND THE DUCT SHALL BE SET TO THE EXISTING SURFACE OF THE PIT. THE DUCT SHALL BE SET TO THE EXISTING SURFACE OF THE PIT.
  6. THE DUCT SHALL BE SET TO THE EXISTING SURFACE OF THE PIT. THE DUCT SHALL BE SET TO THE EXISTING SURFACE OF THE PIT.
  7. ALL WALLS IN THE PUBLIC RIGHT OF WAY ARE TO BE THINNE REPAIRING.



4 MANHOLE CONDUIT PENETRATION  
04 NOT TO SCALE

- 1" OR GREATER NON-SHRINK GROUT AROUND CONDUIT
- EXISTING MANHOLE WALL
- NEW 3" HDPE SDR11 OR PVC CONDUIT
- NOTE: CASE DRILL THROUGH EXISTING WALL. CONDUIT WALL THICKNESS TO BE VERIFIED IN FIELD.

CONTRACT INFORMATION

CONTRACT NO. \_\_\_\_\_  
PROJECT NO. \_\_\_\_\_

**NBC**  
**TOTALLY COMMITTED.**  
NBC ENGINEERING SERVICES, LLC.  
3010 WASHINGTON ROAD, SUITE 300  
ROSELAND, MA 01923  
(978) 954-3930

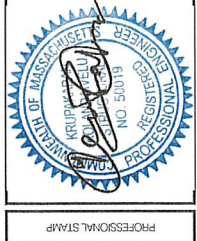
**exten**  
SYSTEMS  
FOR EVERYWHERE.  
3010 WASHINGTON ROAD, SUITE 300  
ROSELAND, MA 01923  
(978) 954-3900

**Mobile**

NE-MA-BSTN3N01-03344  
NEH00005A  
34 PEARL STREET  
SOMERVILLE, MA 02145  
CITY OF SOMERVILLE  
MIDDLESEX COUNTY

REVISIONS

REV	DATE	DESCRIPTION	BY
0	11/20/20	PRELIMINARY	TP



WILLIAM J. TURLEY, P.E.  
MA PROFESSIONAL ENGINEER, LIC. #50019

FOUNDATION  
DETAILS & NOTES

SHEET NUMBER  
05 OF 05

GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR CHECKING AREA FOR ALL UTILITIES.
- CONTRACTOR SHALL INSPECT AND REMOVE ALL DEBRIS FROM EXCAVATION PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL VERIFY ANCHOR BOLT LAYOUT PRIOR TO AND IMMEDIATELY AFTER PLACING CONCRETE. ANCHOR BOLT LAYOUT IS TO BE VERIFIED BY THE CONTRACTOR AND THE SUBMITTER.
- CONTRACTOR SHALL USE AND PROVIDE DEFORMED REINFORCING BARS CONFORMING TO ASTM A615 GR. 60 (60,000 PSI MIN. TENSILE STRENGTH) WITH A MINIMUM OF 3" CLEARANCE TO ALL CONCRETE SURFACES.
- REINFORCING BARS SHALL BE WELDED TOGETHER WITH A MINIMUM OF 4" OVERLAP. WELDED REBAR SHALL BE WELDED TOGETHER USING AT705 GR. 80 DEFORMED BARS WITH A MINIMUM OF 6" OVERLAP.
- MAXIMUM STONE AGGREGATE MIX DESIGN: 6 1/2 SACKS OF MAXIMUM STONE AGGREGATE PER CUBIC YARD, 3" MINIMUM AND 7" MAXIMUM CONCRETE SLUMP.
- CONCRETE SHALL BE CONSOLIDATED USING VIBRATORY METHODS TO REMOVE AIR ENTRAINMENT AND TO ENSURE FULLY COMPACTED CONCRETE. VIBRATOR SHOULD NOT TOUCH REBAR CAGE WITH VIBRATOR. VIBRATOR SHOULD NOT TOUCH REBAR CAGE WITH VIBRATOR.
- CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE AND SHALL BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO UTILITIES.
- CONVENTIONAL METHODS TO MINIMIZE SEGREGATION OF CONCRETE AND AGGREGATE CONCRETE SHALL NOT FREE FALL MORE THAN 5 FEET. CONCRETE SHALL BE PLACED BELOW WATER USING THESE METHODS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FORMING THE REBAR CAGE AND ANCHOR BOLTS. THE REBAR CAGE SHALL BE PLACED WITHIN 24 HOURS OF COMPLETING THE EXCAVATION. COUD JOINTS ARE NOT ALLOWED.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ADEQUATE CORROSION POTENTIAL UNLESS OTHERWISE NOTED. CONTRACTOR SHALL USE 3" CONCRETE COVER OVER ALL REBAR AND ALL ANCHOR BOLTS. DRILLED PIER FOUNDATION DESIGN PER 2009/2012 IBC, TABLE 18.10.1.1.1. THE REBAR CAGE SHALL BE PLACED WITHIN 24 HOURS OF COMPLETING THE EXCAVATION. COUD JOINTS ARE NOT ALLOWED.
- TOTAL VOLUME OF CONCRETE REQUIRED FOR THIS FOUNDATION IS APPROXIMATELY 1.5 CU. YDS.

FACTORED BASE REACTIONS

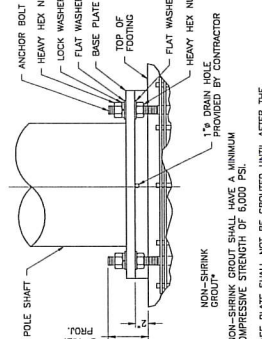
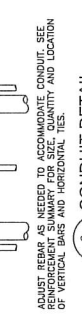
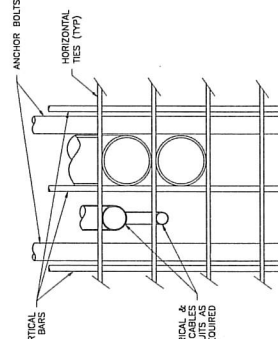
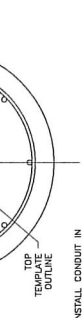
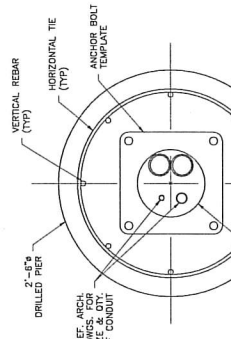
MOMENT	= 44.1 ft-kips
SHEAR	= 2.79 kips
VERTICAL	= 1.32 kips

SPECIAL INSPECTIONS

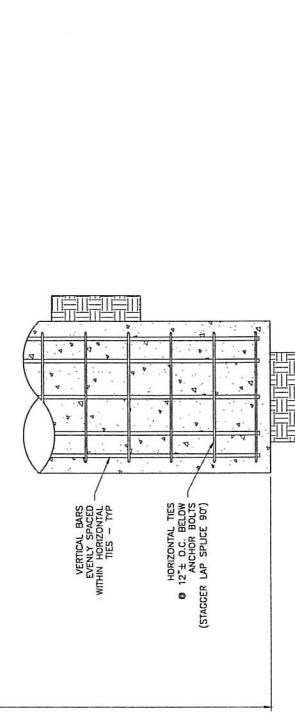
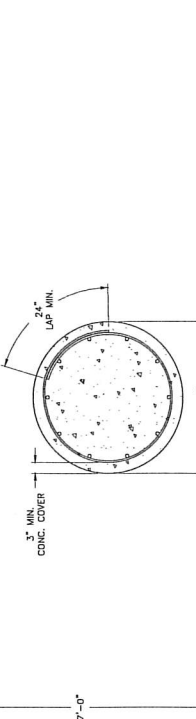
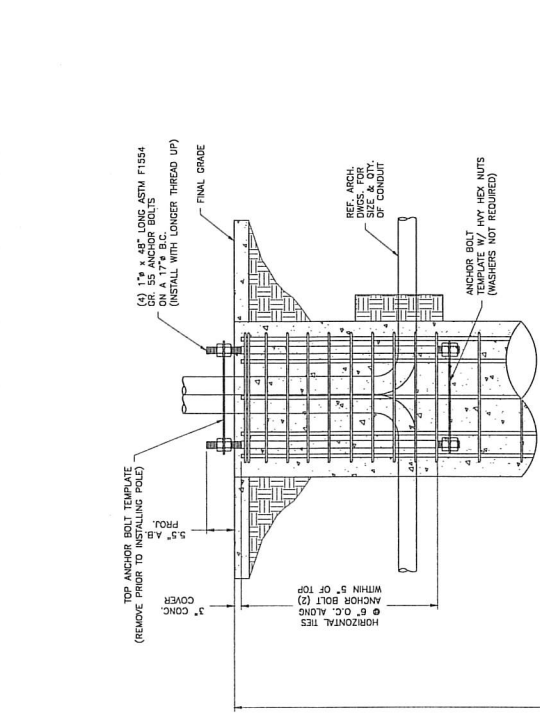
SPECIAL INSPECTIONS: ALL HEIGHTS OF CONSTRUCTION SHALL REQUIRE SPECIAL INSPECTION PER 2009/2012 IBC, SECTION 1704

ITEM DESCRIPTION	INSPECTION BY	MATERIAL
1. PIER EXCAVATION	SOILS ENGINEER	300 PSF/FT LATERAL
2. PIER CONSTRUCTION	SPECIAL INSPECTOR	ASTM A615 GR. 60
3. ANCHOR BOLTS	SPECIAL INSPECTOR	ASTM F1554 GR. 35
4. CONCRETE PLACEMENT OF CONCRETE	SPECIAL INSPECTOR	F <sub>c</sub> = 4,000 PSI TYPE II CEMENT

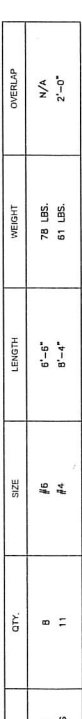
FOUNDATION DESIGN PREPARED BY WESTERN UTILITY/TELECOM, INC.



\*NON-SHRINK GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 6,000 PSI. BASE PLATE SHALL NOT BE GROUTED UNTIL AFTER THE STRUCTURE HAS BEEN INSTALLED AND PLUMBED. REMOVE ANCHOR BOLT TEMPLATE WHEN INSTALLING POLE.



\*NON-SHRINK GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 6,000 PSI. BASE PLATE SHALL NOT BE GROUTED UNTIL AFTER THE STRUCTURE HAS BEEN INSTALLED AND PLUMBED. REMOVE ANCHOR BOLT TEMPLATE WHEN INSTALLING POLE.



DESCRIPTION	QTY.	SIZE	LENGTH	WEIGHT	OVERLAP
VERTICAL BARS	8	#6	6'-6"	78 LBS.	N/A
HORIZONTAL TIES	11	#4	6'-4"	61 LBS.	2'-0"



34 Pearl Street

List of Abutters for Grant of Location

Assessor Parcel	Property Address	Abutter Name	Abutter Mailing Address
105-C-1	34 PEARL ST. SOMERVILLE, MA 02145	SILVANA SABATINO & FELIX SABATINO, TRUSTEES OF THE 2016 SABATINO FAMILY TRUST	7 RITA LANE LAWRENCE, MA 01843
105-B-4	38 PEARL ST. SOMERVILLE, MA 02145	FLORENCE FOTI FOR LIFE, C/O JOSEPHINE FOTI	38 PEARL ST. SOMERVILLE, MA 02145
103-F-10	35 PEARL ST. SOMERVILLE, MA 02145	JEAN BELSKI FOR LIFE C/O KERRY J. BELSKI, TRUSTEE	35 PEARL ST. SOMERVILLE, MA 02145

Abutting Properties for  
34 PEARL ST SOMERVILLE, MA  
105/ C/ 1/ 1  
(50 Feet)

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Location:  
105/ C/ 2/ 1  
32 PEARL ST  
Owner:  
MAGED GLADYS E  
EICHNER STANLEY  
32 PEARL ST  
SOMERVILLE, MA 02145

Location:  
105/ C/ 37/ 35-2/  
35 PINCKNEY ST #2  
Owner:  
LINDAHL KATHERINE R  
35 PINCKNEY ST 2  
SOMERVILLE, MA 02145

Location:  
105/ C/ 37/ 37-2/  
37 PINCKNEY ST #2  
Owner:  
SULLENBERGER RYAN  
S/O R SULLENBERGER & AIKO KATO  
37 PINCKNEY ST UNIT 2  
SOMERVILLE, MA 02145

Location:  
105/ C/ 3/ 1  
30 PEARL ST  
Owner:  
GOUVEIA MANUEL A  
GOUVEIA THERESA M  
30 PEARL ST  
SOMERVILLE, MA 02145-3413

Location:  
105/ C/ 37/ 35-3/  
35 PINCKNEY ST #3  
Owner:  
COLFER DAVID H  
35 PINCKNEY ST #3  
SOMERVILLE, MA 02145

Location:  
105/ C/ 37/ 37-3/  
37 PINCKNEY ST #3  
Owner:  
MUSHER SAMANTHA A  
37 PINCKNEY ST UNIT 3  
SOMERVILLE, MA 02145

Location:  
105/ C/ 37/ 35-1/  
35 PINCKNEY ST #1  
Owner:  
GRANBERG ALETHEA A  
179 LYNN ST  
PEABODY, MA 01960

Location:  
105/ C/ 37/ 37-1/  
37 PINCKNEY ST #1  
Owner:  
LETTENEY TIMOTHY & JILLIAN  
S/O MARK A HOLMAN  
37 PINCKNEY ST UNIT 37-1  
SOMERVILLE, MA 02145