



## CITY OF SOMERVILLE

Commonwealth of Massachusetts

93 Highland Avenue

Somerville, MA 02143

(617) 625-6600

### BUSINESS LICENSE APPLICATION - Grant of Location

File #: 19-014852

License #: BL23-000133

Address: 418 WASHINGTON ST

Licensee: Matthew Pricco Network Building + Consulting

DBA Name: ExteNet Systems, LLC

Business Ownership Type: LLC

Legal Name of Entity: ExteNet Systems, LLC

Owners/Officers: , , ,

#### License Information:

**Grant of location issued to:** ExteNet Systems, LLC

**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 418 Washington Street.

**Insert here the same detailed description of the work as appears in the attached Grant of Location Order:** Washington St: Starting at existing utility pole #358/66 via proposed riser, placing (1) 3" PVC for power feed approximately 54' to the proposed riser and proposed NE-MA-BSTN3N01-03392 node location.

Approval Conditions:

#### Approved By:

**Isabela Maia, Approved with Conditions**

APPROVAL CONDITION IMM 231206: Note there is a brick sewer main within the proposed conduit pat. A video inspection is required before and after installation. If brick sewer main is damaged, applicant is responsible for its restoration.

APPROVAL CONDITION IMM 231206: 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.

**Malik Drayton, Approved with Conditions**

APPROVAL CONDITION: MD20231208: Contractor shall take all necessary precautions to avoid damaging any tree or tree part with equipment.

APPROVAL CONDITION: MD20231208: 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: MD20231208 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

January 30, 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, 2<sup>nd</sup> 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](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 54 feet of conduit in Washington Street from existing Eversource Utility Pole 358/66 located near 416 Washington Street to a proposed small wireless facility node on an existing Eversource Utility Pole 358/66 located near 415 Washington Street

**PLACE:** [https://us02web.zoom.us/webinar/register/WN\\_Yp2NY42VTr-Ynb41aOpJDQ](https://us02web.zoom.us/webinar/register/WN_Yp2NY42VTr-Ynb41aOpJDQ) or City Council Chambers, City Hall, 2<sup>nd</sup> Floor, 93 Highland Avenue, Somerville, MA 02143

**TIME:** Thursday, February 8, 2024, at 7:00 PM.

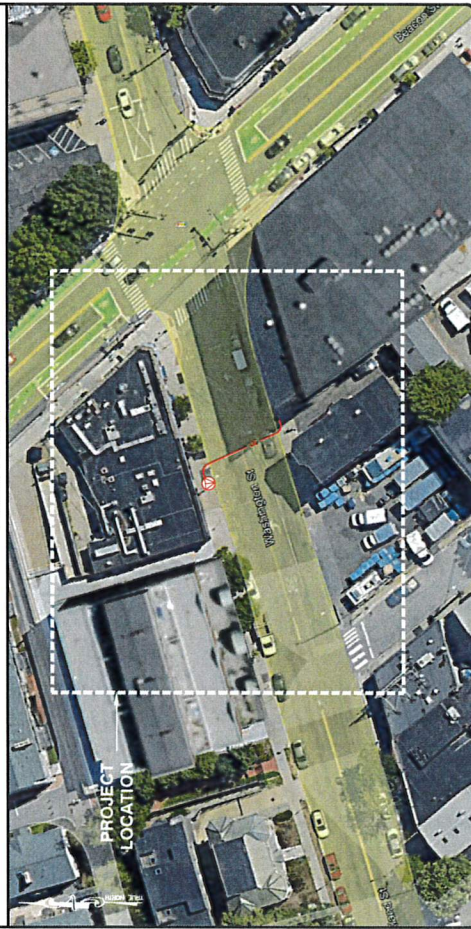
**PURPOSE:** The work is necessary to provide service to a small wireless facility.



**NE-MA-BSTN3N01-03392**  
**HUB: 4BS0364A**  
**PETITION PLANS**

418 WASHINGTON STREET, SOMERVILLE, MA 02143  
 CITY OF SOMERVILLE, MIDDLESEX COUNTY

VICINITY MAP



<b>DRAWING INDEX</b>	
01	TITLE SHEET
02	NOTES
03	UTILITY PLAN
04	DETAILS
<b>PROJECT TEAM</b>	
ENGINEERING FIRM: NB+C ENGINEERING SERVICES, LLC. 100 APOLLO DRIVE, SUITE 303 CHELSEA, MA 01824 (978) 656-5328	
<b>DRAWING SCALE</b>	
THESE DRAWINGS ARE SCALED TO FULL SIZE AT 22"x34" AND HALF SIZE AT 11"x17". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE GROUND. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. OR MATERIAL CHANGES SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL FOLLOW THE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.	

**NB+C**  
 TOTALLY COMMITTED.  
 NB+C ENGINEERING SERVICES, LLC.  
 100 APOLLO DRIVE, SUITE 303  
 CHELSEA, MA 01824  
 (978) 656-5328

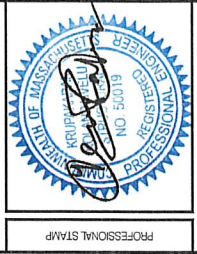
**extenet**  
 YOUR NETWORK. EVERYWHERE.  
 303 WARREN RD, SUITE 340  
 LISLE, IL 60532  
 (630) 395-8000

**Mobile**

NE-MA-BSTN3N01-03392  
 418 WASHINGTON STREET  
 SOMERVILLE, MA 02143  
 CITY OF SOMERVILLE  
 MIDDLESEX COUNTY

**REVISIONS**

REV	DATE	DESCRIPTION	BY
0	08/20/23	PRELIMINARY	CH



ADAM DOEL  
 MA PROFESSIONAL ENGINEER LIC. #50019

**TITLE SHEET**

**SHEET NUMBER**  
**01 OF 04**

**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 527 QMR
- AMERICAN CONCRETE INSTITUTE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 13TH EDITION
- ANSI/AISC-325-G
- TA 907
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER B1
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/TIA 311

**PROJECT INFORMATION**

SITE NAME: NE-MA-BSTN3N01-03392  
 NB+C ES PROJECT NUMBER: 100623  
 JURISDICTION: CITY OF SOMERVILLE, MIDDLESEX COUNTY  
 EXTENET PROJECT MANAGER: ADAM DOEL, 3030 WARRENVILLE RD, SUITE 340, LISLE, IL 60532, NOC: (630) 395-8327  
 HUB LOCATION: 455 DORNA STREET, SOMERVILLE, MA 02143  
 ELECTRIC COMPANY: EVERSOURCE

**LEGEND**

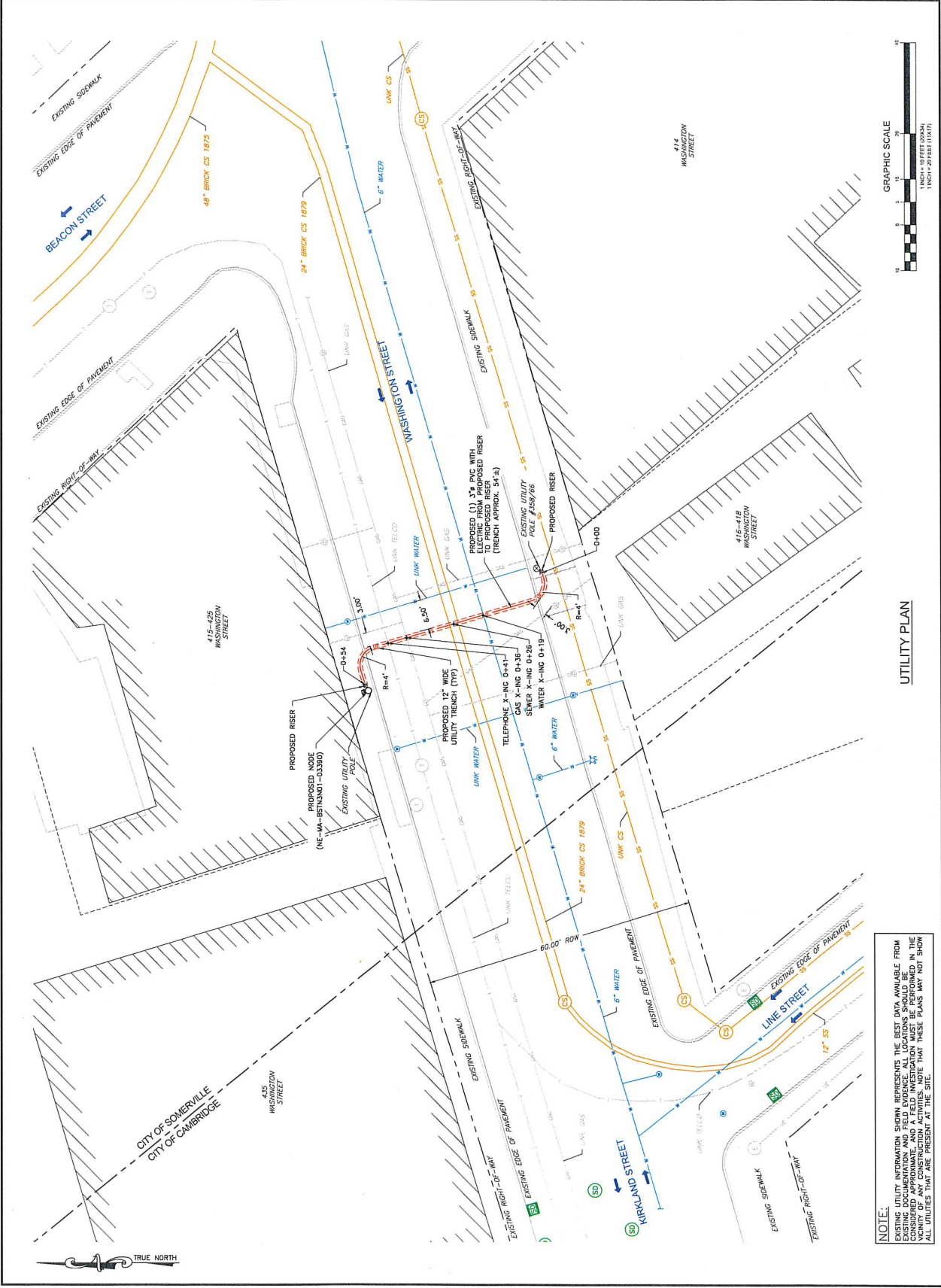
	PROPERTY LINE
	RIGHT-OF-WAY
	EXISTING FENCE LINE
	EDGE OF PAVEMENT
	EXISTING GAS LINE
	EXISTING SEWER LINE
	EXISTING STORM DRAIN LINE
	EXISTING O/H UTILITY LINE
	EXISTING WATER SERVICE
	EXISTING TELEPHONE
	EXISTING ELECTRIC
	EXISTING CONDUIT
	PROPOSED TRENCH
	PROPOSED ELECTRIC
	PROPOSED UNDERGROUND FIBER
	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 WALL
	EXISTING STRUCTURE
	STORM DRAIN MANHOLE
	SANITARY SEWER MANHOLE
	HYDRANT
	EXISTING DOWN GUY WITH ANCHOR
	PROPOSED DOWN GUY WITH ANCHOR
	EXISTING ANCHOR

COBES INFORMATION	ENGINEERING FIRM	APPLICANT	SITE INFORMATION	DESIGN RECORD	PROFESSIONAL STAMP	ENGINEER	SHEET TITLE	SHEET NUMBER
	<b>NB+C</b> TOTALLY COMMITTED NBC ENGINEERING SERVICES, LLC. 109 APOLLO DRIVE, SUITE 203 CHILMARK, MASSACHUSETTS (978) 954-8398	<b>extenei</b> YOUR NETWORK SYSTEMS 3020 WASHINGTON ROAD, SUITE 340 SOMERVILLE, MA 01908 (603) 895-3300 <b>Mobile</b>	NE-MA-BSTN3ND1-03392 418 WASHINGTON STREET SOMERVILLE, MA 02143 CITY OF SOMERVILLE MIDDLESEX COUNTY	REVISIONS		KRUPAKARAN K. IYANDAVELU, P.E. MA PROFESSIONAL ENGINEER LIC. #50019	NOTES	02 OF 04 SHEET

<p><b>GENERAL NOTES:</b></p> <ol style="list-style-type: none"> <li>THE CONTRACTOR SHALL OBEY ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES REGARDING THE PERFORMANCE OF THE WORK, THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS DRINKAGES. ALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES.</li> <li>THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND CONDITIONS SHOWN IN THE SPECIFICATIONS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.</li> <li>THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE CONTRACTOR'S SUPERVISOR OF ANY OMISSIONS AND/OR DISCREPANCIES IN THE EXISTING CONDITIONS OR PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL PREPARE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.</li> <li>THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL UTILITIES TO BE INSTALLED OR REPAIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE AS DESCRIBED HEREIN, EXCEPT FOR FIBER OPTIC CABLE AND OTHER MATERIALS IDENTIFIED BY THE CONTRACTOR.</li> <li>PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.</li> <li>THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, APPROVALS, DRAWING/CONTRACT DOCUMENTS.</li> <li>MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.</li> <li>THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT OR OPERATIONS INVOLVED FOR THE PROJECT.</li> <li>THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, WORK UNDER THE CONTRACT.</li> <li>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 STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.</li> <li>THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, UTILITIES, AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT OR OPERATIONS INVOLVED FOR THE PROJECT.</li> <li>THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION. ALL DEBRIS, EXCESS MATERIALS, AND WASTE SHALL BE REMOVED FROM THE PROJECT AND FREE FROM SPOTS, DUST, OR SMUDGES OF ANY NATURE.</li> <li>THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.</li> <li>THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO OBTAIN MATERIAL OR CONSTRUCTION MANAGER.</li> <li>THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT.</li> <li>SUBMITTAL OF BID INDICATES THAT THE CONTRACTOR IS COORDINANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.</li> <li>CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.</li> <li>CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION SYSTEMS ENERGIZED AND READY FOR USE THROUGHOUT AS INDICATED ON DRAWINGS AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.</li> <li>CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETELY CLEAN AND READY CONDITION. THE CONTRACTOR SHALL DELIVER ITEMS INDICATED ON THE MATERIAL GENERATED BY THE WORK OF THIS CONTRACT. DELIVER ITEMS INDICATED ON THE DRAWINGS TO THE OWNER IN GOOD CONDITION. OBTAIN SIGNED RECEIPT UPON DELIVERY.</li> <li>AFTER COMPLETION OF CONSTRUCTION, RED LINED AS-BUILT PLANS SHALL BE PROVIDED TO THE CONSTRUCTION MANAGER.</li> <li>WORK SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT OR OPERATIONS INVOLVED FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT OR OPERATIONS INVOLVED FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT OR OPERATIONS INVOLVED FOR THE PROJECT.</li> <li>THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS AND CONDITIONS AT THE JOB SITE THAT COULD AFFECT THE WORK UNDER THE CONTRACT. ALL MANUFACTURERS RECOMMENDED SPECIFICATIONS, EXCEPT THOSE SPECIFICATIONS HEREIN, WHERE MOST STRINGENT SHALL BE COMPLIED WITH.</li> <li>THE CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN THE CONDITIONS OF ANY TRADES AND CONDITIONS OF ANY OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT OR OPERATIONS INVOLVED FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT OR OPERATIONS INVOLVED FOR THE PROJECT.</li> <li>ALL DEBRIS FROM THE CONSTRUCTION SITE AT THE COMPLETION OF THE PROJECT, AND REMOVE CONTRACTOR SHALL THOROUGHLY CLEAN THE BUILDING, SITE, AND ANY OTHER SURROUNDING AREAS TO BETTER THAN NEW CONDITION.</li> </ol>	<ol style="list-style-type: none"> <li>THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK AREAS FROM COLLAPSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT OR OPERATIONS INVOLVED FOR THE PROJECT.</li> <li>THE DRAWINGS ARE DIMENSIONAL AND INDICATE THE GENERAL ARRANGEMENTS OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE NOTED BY DIMENSIONS OR DETAILS. EXACT EQUIPMENT LOCATIONS SHALL BE GOVERNED BY ACTUAL FIELD CONDITIONS AND/OR INSTRUCTIONS OF THE CONTRACTOR.</li> <li>THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND/OR RESTORATION OF ANY DAMAGE TO EXISTING ACCESS ROADWAY AND ANY ADJACENT SITE AS A RESULT OF HIS USE DURING CONSTRUCTION. ALL DISTRIBUTED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER UPON COMPLETION OF ALL WORK.</li> <li>ANCHORS SHALL BE 6" LONG, DOUBLE EYED, 10" SCREW TYPE UNLESS OTHERWISE SPECIFIED ON PLANS.</li> <li>ALL ASHRAE CABLE SHALL BE DOUBLE-LASHED USING 0.45 STAINLESS LASHING WIRE.</li> <li>THE TOP OF ALL BURIED CONDUIT/CABLE WILL BE PLACED 48" BELOW GRADE UNLESS OTHERWISE SPECIFIED ON PLANS.</li> <li>MAXIMUM PULLING TENSION ON CABLES IS 600 LBS.</li> <li>THE CONTRACTOR MUST CONTACT ONE CALL FOR LOCATION OF EXISTING UTILITIES MINIMUM 72 HOURS PRIOR TO CONSTRUCTION.</li> <li>FOR OPTIMUM PROTECTION, CONNECTION TO EXISTING MULTI-GROUNDED NEUTRAL (GMN) SHALL BE MADE AT EACH TRANSFORMER LOCATION AND AT ADDITIONAL POINTS WITH MADE OR EXISTING ELECTRODES TO TOTAL NOT LESS THAN FOUR GROUNDS IN EACH WIRE.</li> <li>PERMIT PLACEMARKS MUST BE ON SITE AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT OR OPERATIONS INVOLVED FOR THE PROJECT.</li> <li>THE EXISTING UTILITY INFORMATION SHOWN REPRESENTS THE BEST DATA AVAILABLE FROM EXISTING DOCUMENTATION AND FIELD EVIDENCE. ALL LOCATIONS SHOULD BE CONSIDERED AS APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT OR OPERATIONS INVOLVED FOR THE PROJECT.</li> </ol> <p><b>MANHOLE NOTES:</b></p> <ol style="list-style-type: none"> <li>THE TOPS OF MANHOLE FRAMES AND COVERS SHALL BE INSTALLED FLUSH WITH GROUND, PAVEMENT OR SIDEWALK.</li> <li>THE DRAIN HOLE SHALL BE FILLED WITH AGGREGATE CONFORMING TO THE REQUIREMENTS OF 805, GRADING NO. 87.</li> <li>CONDUIT ENTERING MANHOLES SHALL BE TERMINATED FLUSH WITH THE INSIDE WALL.</li> <li>CONDUITS SHALL BE ALIGNED IN AS NEARLY A STRAIGHT LINE AS POSSIBLE TO ALLOW FOR EASE OF PULLING CABLE.</li> <li>THE SPACE REMAINING BETWEEN THE CONDUIT AND THE STRUCTURE WALL SHALL BE FILLED OR PATCHED WITH CONCRETE OR ACCEPTABLE EQUAL SO THERE WILL BE NO LEAKAGE.</li> <li>MANHOLES SHALL BE SEALED ON TRENCH FILL MEETING THE REQUIREMENTS OF 804.05 IN ORDER TO PREVENT SETTLEMENT.</li> <li>THE FRAME AND COVER SHALL BE PAINTED BEFORE INSTALLATION WITH 1 FIELD COAT OF PRIMER AND COVERED WITH 2 COATS OF FINISH PAINT.</li> <li>COVERS FOR MANHOLES AND MANHOLES SHALL BE MARKED ON THE OUTSIDE. MARKING SHALL BE PLACED PARALLEL TO THE LONG SIDE OF THE COVER.</li> <li>EACH COVER SHALL HAVE TWO 0.875 INCH PICK HOLES TO ALLOW THE COVER TO BE REMOVED.</li> <li>THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND SHORING NECESSARY IN ORDER TO INSTALL THE MANHOLES AND HANDHOLE SHOW ON THE PLANS.</li> <li>THE CONTRACTOR SHALL ELECTRICALLY GROUND ALL METALLIC OBJECTS COMPRISING THE MANHOLE OR HANDHOLE INCLUDING THE FRAME AND COVER, CABLE RACKS AND REINFORCING STEEL AS APPROPRIATE.</li> <li>CABLE RACKS SHALL BE INSTALLED IN THE MANHOLE, AS DIRECTED BY THE ENGINEER.</li> <li>THE CONTRACTOR SHALL ADJUST THE MANHOLE TO GRADE USING A POURED CONCRETE COLLAR.</li> <li>THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR TEMPORARY PAVING AROUND THE MANHOLE TO MAINTAIN THE MAINTENANCE OF THE PATCH UNTIL THE PERMANENT STREET CUT REPAIRS HAVE BEEN MADE.</li> <li>THE CONTRACTOR WILL SUBMIT CATALOG CUTS OF ALL PRECAST MANHOLES AND HANDHOLES THAT HE/W/SHE PROPOSES TO INSTALL. ALL STRUCTURES TO BE INSTALLED IN THE ROADWAY OR AREAS SUBJECT TO VEHICLE.</li> </ol>
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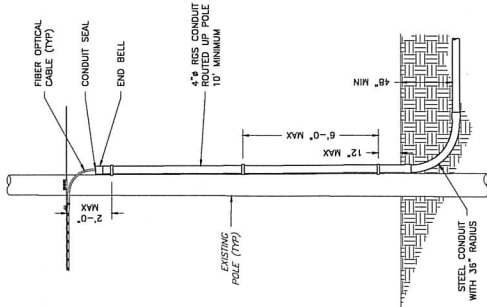


COBCS INFORMATION	ENGINEERING FIRM	APPLICANT	SITE INFORMATION	DESIGN RECORD	PROFESSIONAL STAMP	ENGINEER	SHEET TITLE	SHEET NUMBER								
<b>TOTALLY COMMITTED.</b> NB+C ENGINEERING SERVICES, LLC. 109 ARCADIA DRIVE, SUITE 303 CHESHAM, MASSACHUSETTS 01959 (978) 955-8308		<b>exteneit</b> FOR A NETWORK SURVIVABLE SYSTEMS 3020 WASHINGTON STREET, SUITE 340 SOMERVILLE, MA 02143 (617) 995-3800	NE-MA-BSTN3N01-03392 418 WASHINGTON STREET SOMERVILLE, MA 02143 CITY OF SOMERVILLE MIDDLESEX COUNTY	REVISIONS <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>06/20/20</td> <td>PRELIMINARY</td> <td>CU</td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	0	06/20/20	PRELIMINARY	CU		KRUPAKARAN I. CHANDRASEKHAR, P.E. MA PROFESSIONAL ENGINEER LIC. #50019	<b>UTILITY PLAN</b>	<b>03 OF 04</b> SHEET
REV	DATE	DESCRIPTION	BY													
0	06/20/20	PRELIMINARY	CU													

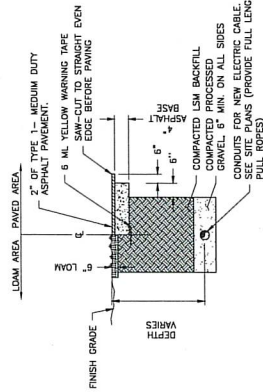


**NOTE:**  
 ALL UTILITY INFORMATION SHOWN REPRESENTS THE BEST DATA AVAILABLE FROM EXISTING DOCUMENTATION AND FIELD EVIDENCE. ALL LOCATIONS SHOULD BE CONSIDERED APPROXIMATE, AND A FIELD INVESTIGATION MUST BE PERFORMED IN THE FIELD TO VERIFY THE ACCURACY OF THE INFORMATION SHOWN. THESE PLANS MAY NOT SHOW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

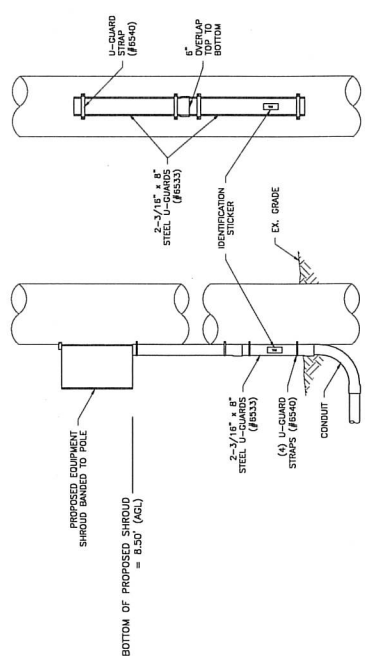
UTILITY PLAN



1 AERIAL TO UNDERGROUND TRANSITION  
NOT TO SCALE

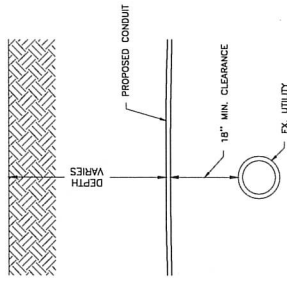


3 UTILITY TRENCH RESTORATION DETAIL  
NOT TO SCALE

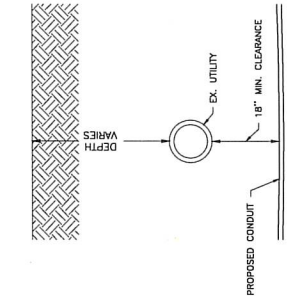


- NOTES:
- DETAIL SHOWS A TYPICAL RISER ON A DEAD END POLE. WHENEVER POSSIBLE, THE ACTUAL RISER SHALL BE ON THE SIDE OF THE POLE OPPOSITE THE DIRECTION OF TRAVEL OF VEHICULAR TRAFFIC.
  - CURING AND/OR ANCHORING OF THE AERIAL STRAND PRIOR TO PLACEMENT OF FIBER OPTIC CABLE SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED FIELD REPRESENTATIVE ONLY.
  - IF STRAND IS CUT OR BROKEN AT DOWN CUT LOCATION, BOND STRANDS TOGETHER USING #6 AWG COPPER WIRE (S09) AND TWO (2) BONDING CLAMPS (UB300).
  - EXTEND U-GUARD MINIMUM 6\"/>

2 RISER DETAIL  
NOT TO SCALE



4 TYPICAL UTILITY CROSSING BELOW  
NOT TO SCALE



5 TYPICAL UTILITY CROSSING ABOVE  
NOT TO SCALE

Location:  
54/ E/ 1/ /  
415 WASHINGTON ST  
Owner:  
NADWASH LLC  
779 WASHINGTON ST  
BROOKLINE, MA 02446

Location:  
54/ E/ 2/ 97C/  
435 WASHINGTON ST  
Owner:  
EVAN DANIELA A TRUSTEE  
THE SILVER FAMILY TRUST  
56 HAMMOND ST  
CAMBRIDGE, MA 02138

Location:  
54/ E/ 2/ 201/  
435 WASHINGTON ST  
Owner:  
HUANG YONGSHENG & WEI LAN  
435 WASHINGTON ST #201  
SOMERVILLE, MA 02143

Location:  
54/ E/ 2/ 204/  
435 WASHINGTON ST  
Owner:  
HLRP LLC  
15 LONG DR  
WESTBOROUGH, MA 01851

Location:  
54/ E/ 2/ 301/  
435 WASHINGTON ST  
Owner:  
DELAPORTE DESIGN INC  
41R RUSSELL ST  
SOMERVILLE, MA 02144

Location:  
54/ E/ 2/ 304/  
435 WASHINGTON ST  
Owner:  
GIUNTA PETER  
435 WASHINGTON ST #304  
SOMERVILLE, MA 02143

Location:  
54/ E/ 2/ 401/  
435 WASHINGTON ST  
Owner:  
BOON BRIAN & MARIETTA & DAVID  
TRUSTEES  
S/O BOON BRIAN & MARIETTA & DAVID  
TRUSTE  
435 WASHINGTON ST #401  
SOMERVILLE, MA 02143

Location:  
54/ E/ 2/ 404/  
435 WASHINGTON ST  
Owner:  
CEGIELSKI A.L. & ALLEN C.E.  
435 WASHINGTON ST #404  
SOMERVILLE, MA 02143

Location:  
54/ E/ 2/ P-1/  
435 WASHINGTON ST  
Owner:  
TRUST 97 KIRKLAND CONDOMINIUM  
C/O ACTION VEST MANAGEMENT CORP.  
1667 COMMONWEALTH AVE  
BRIGHTON, MA 02135

Location:  
54/ E/ 2/ 97A/  
435 WASHINGTON ST  
Owner:  
EVAN DANIELA A TRUSTEE  
THE SILVER FAMILY TRUST  
56 HAMMOND ST  
CAMBRIDGE, MA 02138

Location:  
66/ E/ 1/ /  
120 BEACON ST  
Owner:  
120 BEACON ST LIMITED PARTNERSHIP  
C/O EASTPORT REAL ESTATE SVCS  
107 AUDUBON RD SUITE 2-301  
WAKEFIELD, MA 01880

Location:  
54/ E/ 2/ 202/  
435 WASHINGTON ST  
Owner:  
HUANG SONIA  
435 WASHINGTON ST #202  
SOMERVILLE, MA 02143

Location:  
54/ E/ 2/ 205/  
435 WASHINGTON ST  
Owner:  
EVAN DANIELA A TRUSTEE  
SILVER FAMILY TRUST  
56 HAMMOND ST  
CAMBRIDGE, MA 02138

Location:  
54/ E/ 2/ 302/  
435 WASHINGTON ST  
Owner:  
EVAN DANIELA  
56 HAMMOND ST  
CAMBRIDGE, MA 02138

Location:  
54/ E/ 2/ 305/  
435 WASHINGTON ST  
Owner:  
KWAN ANGELICA PO YEE  
152 TAI HANG RD 20B COLONNADE

Location:  
54/ E/ 2/ 402/  
435 WASHINGTON ST  
Owner:  
EVAN DANIELA A TRUSTEE  
SILVER FAMILY TRUST  
56 HAMMOND ST  
CAMBRIDGE, MA 02138

Location:  
54/ E/ 2/ 405/  
435 WASHINGTON ST  
Owner:  
CHIANG NAN  
435 WASHINGTON ST #405  
SOMERVILLE, MA 02143

Location:  
54/ E/ 2/ P-2/  
435 WASHINGTON ST  
Owner:  
TRUST 97 KIRKLAND CONDOMINIUM  
C/O ACTION VEST MANAGEMENT CORP.  
1667 COMMONWEALTH AVE  
BRIGHTON, MA 02135

Location:  
54/ E/ 2/ 97B/  
435 WASHINGTON ST  
Owner:  
EVAN DANIELA A TRUSTEE  
THE SILVER FAMILY TRUST  
56 HAMMOND ST  
CAMBRIDGE, MA 02138

Location:  
66/ E/ 22/ /  
420 WASHINGTON ST  
Owner:  
SAVENOR MARC TRUSTEE  
WASHINGTON & LINE REALTY TRUST  
100 KIRKLAND ST  
CAMBRIDGE, MA 02138

Location:  
54/ E/ 2/ 203/  
435 WASHINGTON ST  
Owner:  
DELAPORTE DESIGN INC  
41R RUSSELL ST  
SOMERVILLE, MA 02144

Location:  
54/ E/ 2/ 206/  
435 WASHINGTON ST  
Owner:  
HUANG ZHICHAO  
435 WASHINGTON ST  
SOMERVILLE, MA 02143

Location:  
54/ E/ 2/ 303/  
435 WASHINGTON ST  
Owner:  
BELBUSTI VIVIANA  
435 WASHINGTON ST #303  
SOMERVILLE, MA 02143

Location:  
54/ E/ 2/ 306/  
435 WASHINGTON ST  
Owner:  
SZABO ISABEL T & SOLEY RICHARD M  
28 COTTAGE ST  
LEXINGTON, MA 02420

Location:  
54/ E/ 2/ 403/  
435 WASHINGTON ST  
Owner:  
DELAPORTE DESIGN INC  
41R RUSSELL ST  
SOMERVILLE, MA 02144

Location:  
54/ E/ 2/ 406/  
435 WASHINGTON ST  
Owner:  
ZHANG YIWEN  
435 WASHINGTON ST #406  
SOMERVILLE, MA 02143

Location:  
54/ E/ 2/ P-3/  
435 WASHINGTON ST  
Owner:  
TRUST 97 KIRKLAND CONDOMINIUM  
C/O ACTION VEST MANAGEMENT  
CORP.  
1667 COMMONWEALTH AVE  
BRIGHTON, MA 02135



Location:  
54/ E/ 2/ P-4/  
435 WASHINGTON ST  
Owner:  
TRUST 97 KIRKLAND CONDOMINIUM  
C/O ACTION VEST MANAGEMNT CORP.  
1667 COMMONWEALTH AVE  
BRIGHTON, MA 02135

Location:  
54/ E/ 2/ P-7/  
435 WASHINGTON ST  
Owner:  
TRUST 97 KIRKLAND CONDOMINIUM  
C/O ACTION VEST MANAGEMENT CORP.  
1667 COMMONWEALTH AVE  
BRIGHTON, MA 02135

Location:  
66/ E/ 23/ /  
418 WASHINGTON ST  
Owner:  
SAVENOR PROPERTIES LTD  
C/O JARBB REALTY CO  
PO BOX 1032  
CONCORD, MA 01742

Location:  
54/ E/ 2/ P-5/  
435 WASHINGTON ST  
Owner:  
TRUST 97 KIRKLAND CONDOMINIUM  
C/O ACTION VEST MANAGEMENT CORP  
1667 COMMONWEALTH AVE  
BRIGHTON, MA 02135

Location:  
54/ E/ 2/ P-8/  
435 WASHINGTON ST  
Owner:  
TRUST 97 KIRKLAND CONDOMINIUM  
C/O ACTION VEST MANAGEMENT CORP.  
1667 COMMONWEALTH AVE  
BRIGHTON , MA 02135

Location:  
54/ E/ 2/ P-6/  
435 WASHINGTON ST  
Owner:  
TRUST 97 KIRKLAND CONDOMINIUM  
C/O ACTION VEST MANAGEMENT  
CORP.  
1667 COMMONWEALTH AVE  
BRIGHTON, MA 02135

Location:  
54/ E/ 4/ /  
203 HOLDEN GREEN  
Owner:  
PRESIDENT & FELLOWS OF HARVARD  
C/O HARVARD REAL ESTATE INC  
46 BLACKSTONE ST - SO BUILDING  
CAMBRIDGE, MA 02139