



CITY OF SOMERVILLE

Commonwealth of Massachusetts

93 Highland Avenue

Somerville, MA 02143

(617) 625-6600

BUSINESS LICENSE APPLICATION - Small Wireless Facility

File #: 19-014874

License #: BL19-000112

Address: 61 CONCORD AVE

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 Lehy, Daniel L. Timm,

License Information:

Do you believe this to be a 6409(a) application?:

Describe the reason for the work, and the intended beneficiaries:

Provide the detailed description of the work that should appear on the License: Extenet proposes to install a small cell wireless facility on an existing wood utility pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole, including an additional 6" of base mounting equipment, and three radios in a shroud also mounted on the pole. See the plans accompanying this application for details. This proposal improves wireless capacity for residents, businesses and visitors.

of installations on existing poles: 1

of installations on new poles:

Provide the legal name of the entity that will own the License: ExteNet Systems, Inc.

Approval Conditions:

Approved By:

Hans Jensen, Approved

Karla Cuarezma, Approved

Malik Drayton, Approved

John Power, Approved

Mark Lawhorne, Approved

John J. Long, Approved

LATITUDE: 42.376663°
LONGITUDE: -71.099242°



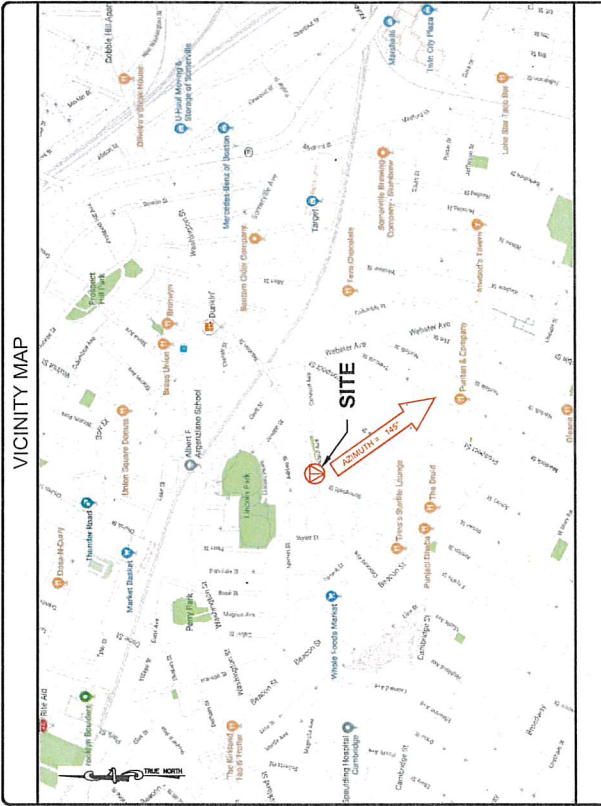
NE-MA-BSTN3N01-TMO NE-MA-BSTN3N01-03394 / NE3216BA_31LAB

PROPOSED SMALL CELL NODE
61 CONCORD AVENUE, SOMERVILLE, MA 02143
CITY OF SOMERVILLE, MIDDLESEX COUNTY

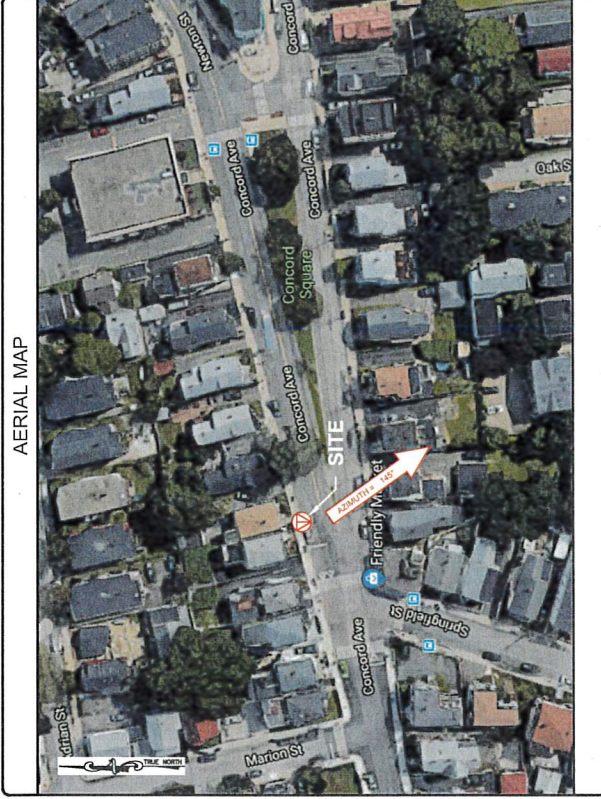


Know what's below.
Call before you dig.

VICINITY MAP



AERIAL MAP



PROJECT INFORMATION

PROJECT NAME: NE-MA-BSTN3N01-TMO
POLE TAG: 1124
DATE: 01/15/2019
LONGITUDE: -71.099242°
CITY OF SOMERVILLE
MIDDLESEX COUNTY
EXTENET PROJECT MANAGER: RICK ANGELO
HUB LOCATION: 1400 WASHINGTON STREET
SOMERVILLE, MA 02143
ELECTRIC COMPANY: EVERSOURCE

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
- 2015 IFC - REFERENCE 527 CMR
- 2015 NATIONAL ELECTRICAL SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/TIA-311
- ANSI/TIA-222-G
- TIA 807
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/TIA 311
- MANUAL OF STEEL CONSTRUCTION 13TH EDITION

DRAWING INDEX

01 TITLE SHEET
02 NOTES
03 ELEVATION
04 ANTENNA & EQUIPMENT DETAILS
05 ELECTRICAL & GROUNDING DETAILS

ENGINEER

KRUPPAKARAN KOLANDAVELU, P.E.
MA PROFESSIONAL ENGINEER LIC. #50019



PROFESSIONAL STAMP

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
1	01/15/19	PRELIMINARY	NEB
2	02/05/19	REVISED	NEB
3	02/05/19	REVISED	NEB
4	03/13/20	15 COMPLIANCE ADDED	NEB

SITE INFORMATION

NE-MA-BSTN3N01-03394
TMO ID: NE3216BA_31LAB
61 CONCORD AVENUE
SOMERVILLE, MA 02143
MIDDLESEX COUNTY

APPLICANT



ENGINEERING FIRM



SHEET TITLE

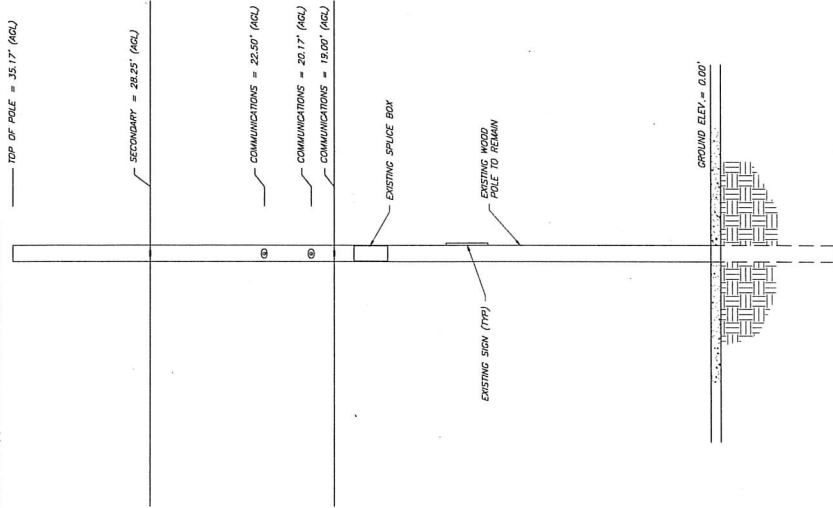
TITLE SHEET

SHEET NUMBER

SHEET
01 OF 05

NOTES:

- EQUIPMENT ELEVATION IS SUBJECT TO MAKE READY PERFORMED BY POLE OWNER.
- NEW PLACARD SHALL BE CSM COMPLIANT AND DISPLAY THE FOLLOWING INFORMATION: TRANSMITTING SYSTEM, EQUIPMENT HEIGHT IN FIELD, POWER SUPPLY INFORMATION, INSTALL PER UTILITY COMPANY REQUIREMENTS AND VERIFY EXACT MOUNTING HEIGHT IN FIELD.
- MAINTAIN MINIMUM OF 8'-0" FROM GROUND LEVEL TO BOTTOM OF PROPOSED SHROUD.
- MAINTAIN MINIMUM OF 42" FROM TOP COMMUNICATION ATTACHMENT TO BOTTOM SECONDARY POWER ATTACHMENT.
- MAINTAIN MINIMUM OF 48" CLEARANCE IN ANY DIRECTION FROM ANTENNA AND MOUNTING BRACKET TO NEAREST SECONDARY POWER CONNECTION.
- MAINTAIN MINIMUM OF 12" FROM TOP COMMUNICATIONS LINE TO ANY ADDITIONAL COMMUNICATIONS LINE.
- MAINTAIN MINIMUM OF 5' FROM GROUND LEVEL TO METER LOCATION.
- MAINTAIN MINIMUM OF 6' CLEARANCE IN ANY DIRECTION FROM ANTENNA AND MOUNTING BRACKET TO NEAREST PRIMARY POWER CONNECTION.
- EQUIPMENT TO BE INSTALLED ON OPPOSITE SIDE OF TRAFFIC FLOW.
- POWER SUPPLY & MOUNTING BRACKET SHOULD BE INSTALLED ON THE SAME SIDE OF THE POLE WITH THE SECONDARY(S) AND COMMUNICATION CABLE(S) TO ACCOMMODATE CLIMBING OF THE POLE.

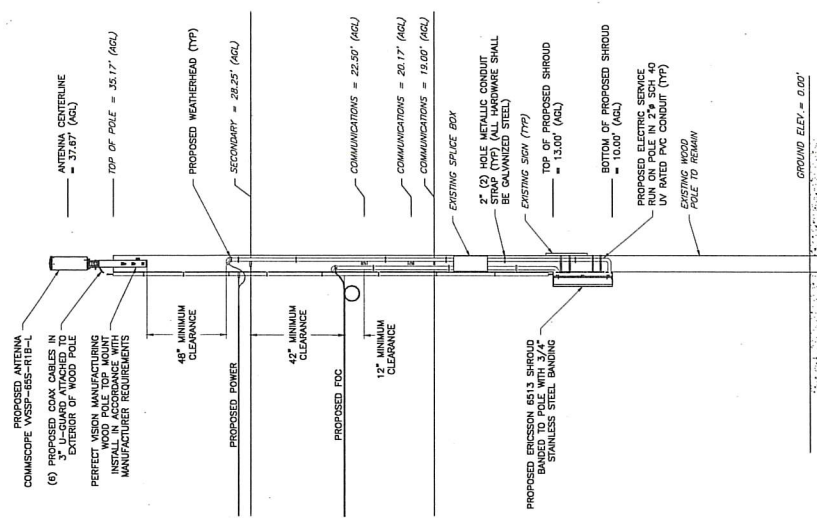


EXISTING ELEVATION (LOOKING NORTH)

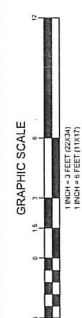


NOTE: NO INSTALLATION SHALL BE PLACED LESS THAN 15 FEET FROM A RESIDENT'S WINDOW, DOOR OPENING, PORCH, OR BALCONY.

ATTACHMENT HEIGHTS, ANTENNA AND EQUIPMENT LOCATIONS PENDING MAKE-READY AND STRUCTURAL ANALYSIS



PROPOSED ELEVATION (LOOKING NORTH)



EXISTING CONDITIONS



15' COMPLIANCE

ENGINEERING FIRM	APPLICANT	SITE INFORMATION	DESIGN RECORD	PROFESSIONAL STAMP	ENGINEER	SHEET TITLE	SHEET NUMBER															
NB+C TOTALLY COMMITTED. NB+C ENGINEERING SERVICES, LLC. 100 WASHINGTON STREET SUITE 200 BOSTON, MA 02108 (617) 552-3000	extenej YOUR NETWORK EVERYWHERE 3030 WASHINGTON ROAD, SUITE 300 BOSTON, MA 02108 (617) 552-3000	NE-MA-BSTN3N01-03394 TMO ID: NE32168A_31LAB 61 CONCORD AVENUE SOMERVILLE, MA 02143 MIDDLESEX COUNTY	REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>05/15/19</td> <td>PRELIMINARY</td> </tr> <tr> <td>2</td> <td>05/15/19</td> <td>REVISED</td> </tr> <tr> <td>3</td> <td>05/15/19</td> <td>FINAL</td> </tr> <tr> <td>4</td> <td>05/15/19</td> <td>15' COMPLIANCE ADDED</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	1	05/15/19	PRELIMINARY	2	05/15/19	REVISED	3	05/15/19	FINAL	4	05/15/19	15' COMPLIANCE ADDED		KRUPAARAN KOLANAVELLI, P.E. MA PROFESSIONAL ENGINEER LIC. #50019	ELEVATION	SHEET 03 OF 05
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1	05/15/19	PRELIMINARY																				
2	05/15/19	REVISED																				
3	05/15/19	FINAL																				
4	05/15/19	15' COMPLIANCE ADDED																				

REV	DATE	DESCRIPTION	BY
0	04/11/19	PRELIMINARY	N2B
1	05/01/19	REVISED	CJL
2	08/26/19	FINAL	CNE
3	09/13/19	REVISED	N2B
4	03/19/20	15% COMPLIANCE ADDED	DRG

