



CITY OF SOMERVILLE

Commonwealth of Massachusetts

93 Highland Avenue

Somerville, MA 02143

(617) 625-6600

BUSINESS LICENSE APPLICATION - Grant of Location

File #: 19-014857

License #: BL19-000101

Address: 97 GILMAN 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: Installation of a small cell wireless facility on a wood utility pole in the public right-of-way. 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: 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 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.

Approval Conditions:

Approved By:

Andrea Torres, Approved

Karla Cuarezma, Approved

Vanessa Boukili, Approved with Conditions

APPROVAL CONDITION: VB20191031: Contractor shall take all necessary precautions to avoid damaging any tree or tree part with equipment.

APPROVAL CONDITION: VB20191031: All nearby street tree(s) shall be protected prior to and during all construction activities using TREE BOX or TREE WRAPS. This includes the Callery Pear(s) to the North of the pole. . 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. . 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.

Steve MacEachern, Approved

John J. Long, Approved



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

JOHN J. LONG
CITY CLERK

November 6, 2019

NOTICE

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. If you are unable to attend, you may send written comments by US mail or by email to my attention, but they 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 small cell wireless antenna on an existing utility pole located on the intersection of 97 Gilman Street and Jasper Street.

PLACE: City Council Chamber, 2nd Floor, City Hall, 93 Highland Avenue, Somerville.

TIME: Thursday, November 14, 2019, at 7:00 PM.

PURPOSE: The work is necessary to provide or improve wireless communication to the immediate area.

John J. Long
City Clerk

**ORDER FOR GRANT OF LOCATION FOR
WIRES, CABLES, POLES, PIERS, ABUTMENTS, CONDUITS OR FIXTURES**

**City of Somerville, Massachusetts
In Board of Aldermen**

WHEREAS, ExteNet Systems, Inc. (hereinafter known as the PETITIONER) has petitioned for permission to construct upon, along, under or across the public way(s), the following:

INSERT DESCRIPTION OF WORK HERE

97 Gilman Street

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 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.

AND WHEREAS, notice has been given and a hearing held on said petition as provided by law; NOW THEREFORE BE IT

ORDERED that the PETITIONER be and hereby is granted permission by the Board of Aldermen to complete the construction described above, all in accordance with the following conditions:

1. PETITIONER shall locate and complete all work as shown by plan(s) dated _____, and as may have been amended by the City.
2. PETITIONER shall comply with the requirements of existing ordinances and such as may hereafter be adopted governing the construction.
3. PETITIONER shall perform all work to the requirements and satisfaction of the Department of Public Works or other such officer(s) as may be hereafter appointed by the City.

Approved by the Board of Aldermen on the _____ day of _____, 20____,

A True Record. Attest: _____ Date: _____
City Clerk

Certificate

I hereby certify that the foregoing Order was adopted by the Board of Aldermen on the _____ day of _____, 20____, after due notice and public hearing as prescribed by Section 22 of Chapter 166 of the General Laws and any additions or amendments thereto, said public hearing held in said City on the _____ day of _____, 20____, and recorded with the records of Grant of Location Orders of said City, as _____.

Certified. Attest: _____ Date: _____
City Clerk



NE-MA-BSTN3N01-TMO NE-MA-BSTN3N01-03314 / NE3210BA_21LAB

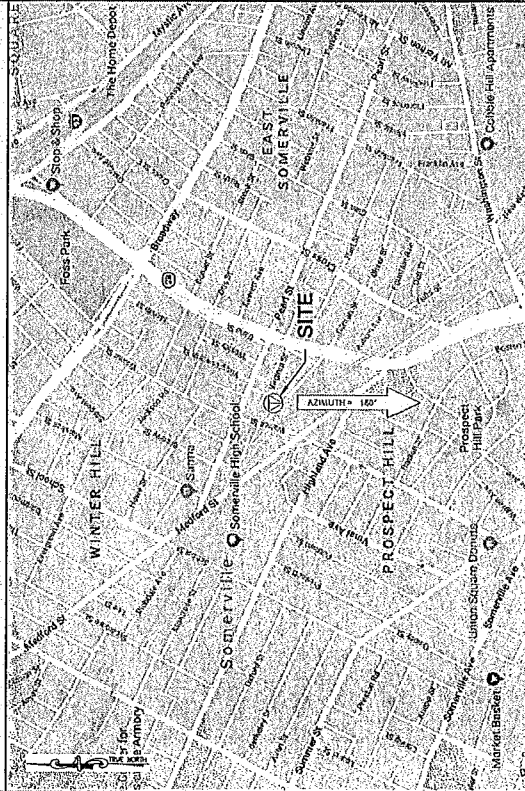
PROPOSED SMALL CELL NODE
97 GILMAN STREET, SOMERVILLE, MA 02145
CITY OF SOMERVILLE, MIDDLESEX COUNTY

LATITUDE: 42.386397°
LONGITUDE: -71.092634°



ENGINEERING FIRM	ENGINEER	PROFESSIONAL STAMP	DESIGN RECORD	SITE INFORMATION	APPLICANT	ENGINEERING FIRM																
			<table><thead><tr><th>REV</th><th>DATE</th><th>DESCRIPTION</th><th>BY</th></tr></thead><tbody><tr><td>1</td><td></td><td>PRELIMINARY</td><td>AM</td></tr><tr><td>2</td><td></td><td>REVISED</td><td>AM</td></tr><tr><td>3</td><td></td><td>REVISED</td><td>AM</td></tr></tbody></table>	REV	DATE	DESCRIPTION	BY	1		PRELIMINARY	AM	2		REVISED	AM	3		REVISED	AM	NE-MA-BSTN3N01-03314 TMO ID: NE3210BA_21LAB 97 GILMAN STREET SOMERVILLE, MA 02145 MIDDLESEX COUNTY	APPLICANT	ENGINEERING FIRM
REV	DATE	DESCRIPTION	BY																			
1		PRELIMINARY	AM																			
2		REVISED	AM																			
3		REVISED	AM																			
SHEET NUMBER		SHEET TITLE		ENGINEER		PROFESSIONAL STAMP																
01 OF 05		TITLE SHEET		KUSHKIAN VOLANOVICH, P.E. MA PROFESSIONAL ENGINEER NO. #50019																		

VICINITY MAP



AERIAL MAP



PROJECT INFORMATION

PROJECT NAME: NE-MA-BSTN3N01-TMO
POLE TAG: 93/2
LATITUDE: 42.386397°
LONGITUDE: -71.092634°
CITY OF SOMERVILLE
MIDDLESEX COUNTY
EXTENET PROJECT MANAGER: RICK ANSELMI
HUB LOCATION: 97 GILMAN STREET, SUITE 340
SOMERVILLE, MA 02145
ELECTRIC COMPANY: EVERSOURCE

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES. THE FOLLOWING LIST IS TO BE CONSIDERED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES.

- 2015 INTERNATIONAL BUILDING CODE
- 2017 NATIONAL ELECTRICAL CODE
- NFPA 1201 EDITION
- 2015 IFC - REFERENCE 607 CODE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 13TH EDITION
- ANSI/TIA-222-G
- TIA-568
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEERING
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECOMMUNICATIONS
- ANSI T11.1

DRAWING INDEX

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



TOTALLY COMMITTED.
NBIC ENGINEERING SERVICES, LLC
COMMERCIAL BUILDING
1000 WASHINGTON STREET
BOSTON, MA 02111

exteneer
YOUR NETWORK
SYSTEMS
3500 WAREHOUSING ROAD, SUITE 240
BOSTON, MA 02128
(617) 552-8800

NE-MA-RSTN13001-10314
TWO ID: NES210BA-21LAB
87 GILMAN STREET
SOMERVILLE, MA 02145
MIDDLESEX COUNTY

REVISIONS

REV	DATE	DESCRIPTION	BY
1	05/17/19	PRELIMINARY	ALJ
2	06/07/19	REVISED	ONE
3	06/19/19	REVISED	NB



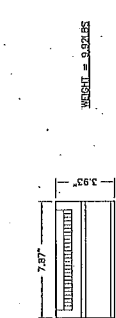
CHRISTOPHER J. BASCOS, P.E.
MA PROFESSIONAL ENGINEER #50819

ANTENNA & EQUIPMENT DETAILS

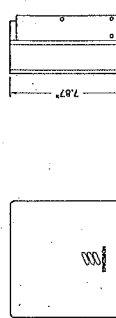
SHEET
04 OF 05

ERICSSON RADIO

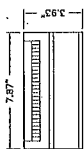
2203 B46 & 525	AC: 100-250V	NORMAL VOLTAGE RANGE AT RADIO INPUT CONNECTOR DC: -36 TO -58.5	15W TYPICAL / 130W MAX
2203 B46 <td>AC: 100-250V <td>NORMAL VOLTAGE RANGE AT RADIO INPUT CONNECTOR DC: -36 TO -58.5 <td>15W TYPICAL / 130W MAX </td></td></td>	AC: 100-250V <td>NORMAL VOLTAGE RANGE AT RADIO INPUT CONNECTOR DC: -36 TO -58.5 <td>15W TYPICAL / 130W MAX </td></td>	NORMAL VOLTAGE RANGE AT RADIO INPUT CONNECTOR DC: -36 TO -58.5 <td>15W TYPICAL / 130W MAX </td>	15W TYPICAL / 130W MAX



FRONT ELEVATION



SIDE ELEVATION



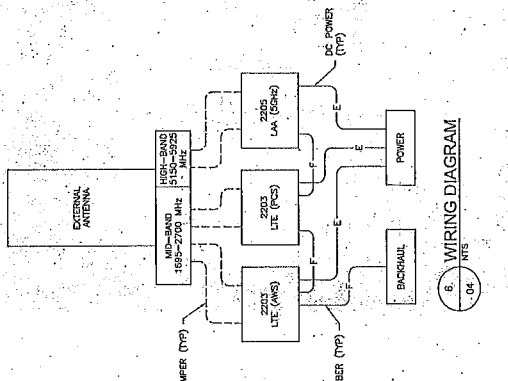
TOP VIEW

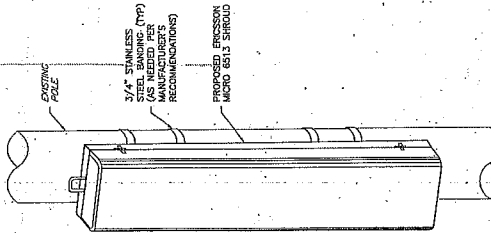
WEIGHT = 9.92 LBS

3
04
NTS

ERICSSON REMOTE RADIO UNIT (RRU)

5 WIRING DIAGRAM





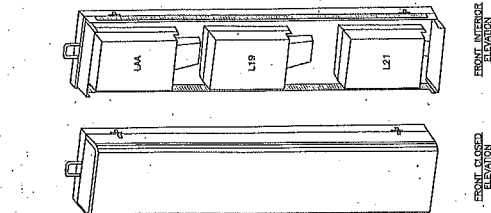
BACK INTERIOR ELEVATION

3/4" STAINLESS STEEL MOUNTING (TYP) (AS NEEDED PER MANUFACTURER'S RECOMMENDATIONS)

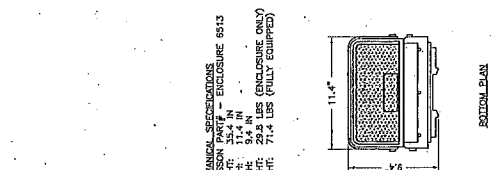
PROPOSED ERICSSON MICRO 6513 SHROUD

2
04
NTS

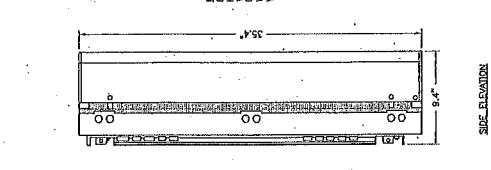
EQUIPMENT MOUNTING DETAIL



FRONT INTERIOR ELEVATION



FRONT CLOSED ELEVATION



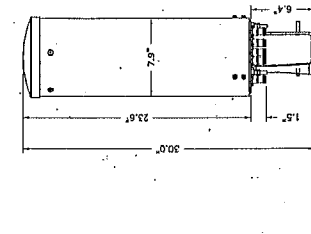
BOTTOM PLAN

**1
04
NTS**

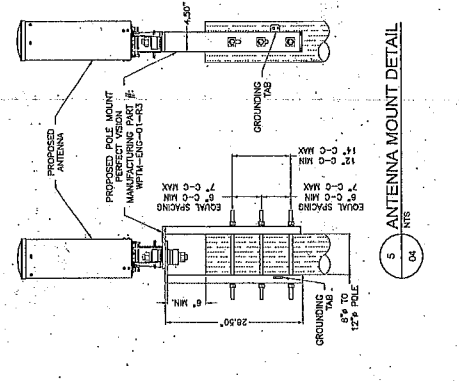
ERICSSON MICRO 6513 SHROUD DETAIL

MECHANICAL SPECIFICATIONS
COMMERCIAL PART # - VSSP-65S-R1B-L
HEIGHT: 23.9 IN
WIDTH: 7.3 IN
DEPTH: 9.4 IN
WEIGHT: 22.3 LBS (ENCLOSURE ONLY)
WEIGHT: 71.4 LBS (FULLY EQUIPPED)

4 ANTENNA DETAIL

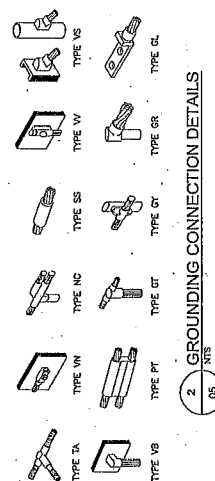


5 ANTENNA MOUNT DETAIL



DESIGN RECORD

NOTE:
EXISTING/PROPOSED UTILITY WIRES,
SIGNS, AND EXISTING EQUIPMENT
NOT SHOWN FOR CLARITY



2 GROUNDING CONNECTION DETAILS

97 Gilman Street

List of Abutters for Grant of Location

Assessor Parcel	Property Address	Abutter Name	Abutter Mailing Address
79-H-5	97 GILMAN ST. SOMERVILLE, MA 02143	RAJESH K. SHAH TARUNA PATEL	97 GILMAN ST SOMERVILLE, MA 02143
79-C-1	26 VIRGINIA ST SOMERVILLE, MA 02145- 3911	NIKI & MARY VOORTHAMIS	26 VIRGINIA ST SOMERVILLE, MA 02145-3911
79-C-22	89 GILMAN ST SOMERVILLE, MA 02145	MELITTA KING	91 GILMAN ST, #1 SOMERVILLE, MA 02145