



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

BUSINESS LICENSE APPLICATION - Small Wireless Facility

File #: 21-012753

License #: BL21-000120

Address: 12 LINDEN 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, Anthony Lehv, Daniel L. Timm,

License Information:

Do you believe this to be a 6409(a) application?: No

Describe the reason for the work, and the intended beneficiaries: Small Cell Wireless Facility

Provide the detailed description of the work that should appear on the License: A small cell wireless facility, along with all required equipment and fiber for its operation, to an existing utility pole in the right-of-way located on 12 Linden Street, with an electricity connection (Pole Number: N/A). Location approximately as shown on attached construction plans.

of installations on existing poles: 1

of installations on new poles: 0

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 with Conditions

APPROVAL CONDITION: MD2021.1025: Contractor shall take all necessary precautions to avoid damaging any tree or tree part with equipment.

APPROVAL CONDITION: MD2021.1025: 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: MD2021.1025: 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.

John Power, Approved

Eric Weisman, Approved

Kimberly M. Wells, Approved



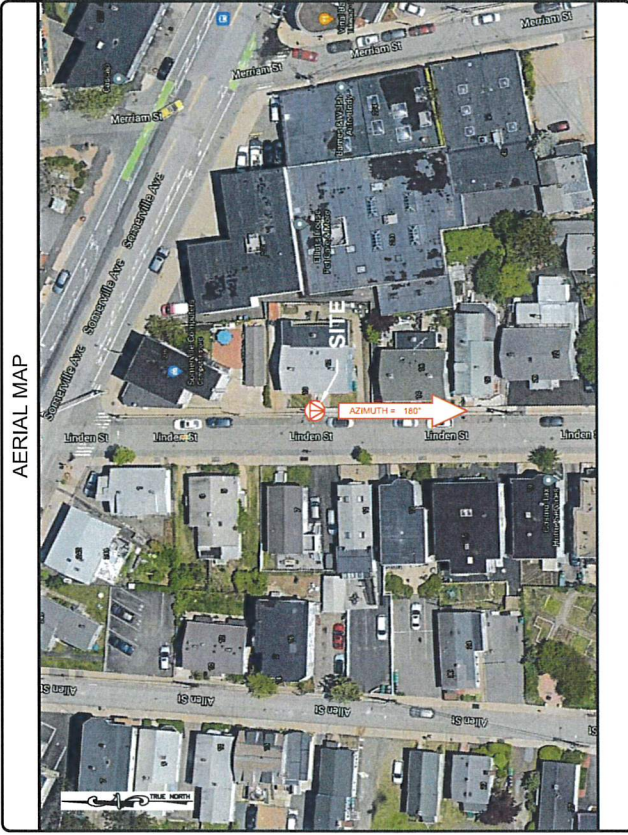
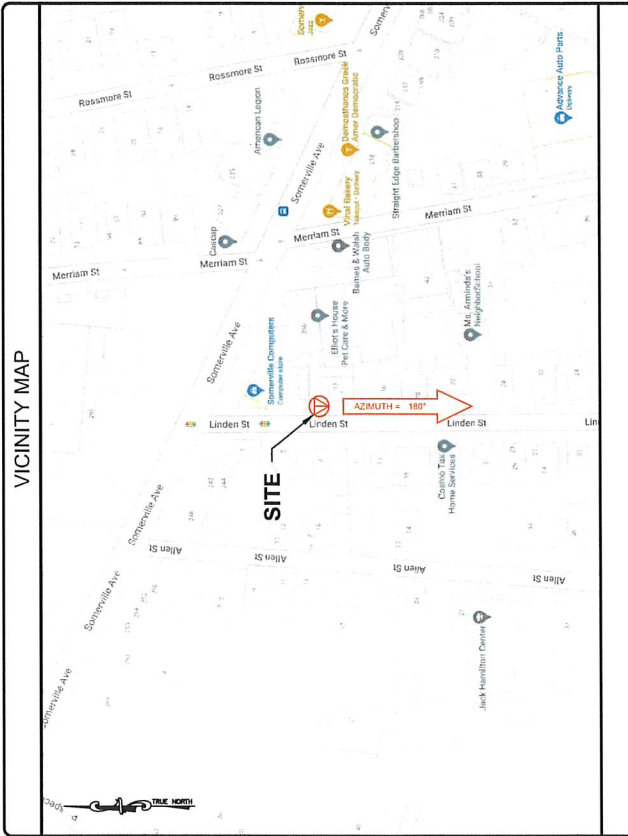
NE-MA-BSTN3N01-TMO NE-MA-BSTN3N01-03323 / NE3209BA_11LAB

PROPOSED SMALL CELL NODE
12 LINDEN STREET, SOMERVILLE, MA 02145
CITY OF SOMERVILLE, MIDDLESEX COUNTY

LATITUDE: 42.37808545°
LONGITUDE: -71.09254414°



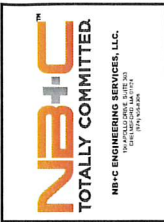
Know what's below.
Call before you dig.



PROJECT INFORMATION	
PROJECT NAME:	NE-MA-BSTN3N01-TMO
POLE TAG:	N/T
JURISDICTION:	42.37808545° -71.09254414° MIDDLESEX COUNTY
EXTENET PROJECT MANAGER:	ADAM DOBL 3030 WARRENVILLE RD, SUITE 340 SOMERVILLE, MA 02145 NOC: (866) 892-5327
HUB LOCATION:	HUB-BS0304A 3030 WARRENVILLE RD, 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 LATEST EDITIONS SHALL BE USED UNLESS OTHERWISE NOTED. ANY DEVIATIONS FROM THESE PLANS 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 (NEC)
•	NFPA 12015 EDITION
•	2015 IFC - REFERENCE 527 GMR
•	AMERICAN CONCRETE INSTITUTE (ACI) 308.1R-13
•	AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 360-13
•	MANUAL OF STEEL CONSTRUCTION 13TH EDITION
•	ANSI/MIL-222-G
•	INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
•	IEEE C2 NATIONAL ELECTRICAL SAFETY CODE LATEST EDITION
•	TELECORDIA GR-1275
•	ANSI 311

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



NE-MA-BSTN3N01-03323
TMO ID: NE3209BA_11LAB
12 LINDEN STREET
SOMERVILLE, MA 02145
CITY OF SOMERVILLE
MIDDLESEX COUNTY

REVISIONS			
REV	DATE	DESCRIPTION	BY
1	10/20/21	EQUIPMENT FOOTPRINT REVISED	DRE
0	09/20/21	PRELIMINARY	MM

DESIGN RECORD	
ENGINEERING FIRM	
APP/CLINT	
SITE INFORMATION	
PROFESSIONAL STAMP	

KRUPAKARAN KOLANDAVELU, P.E.
MA PROFESSIONAL ENGINEER LIC. #50919

TITLE SHEET

SHEET NUMBER
01 OF 05

REVISIONS

REV	DATE	DESCRIPTION	BY
1	10/20/21	EQUIPMENT HEIGHT REVISED	DPR
2	04/27/21	PRELIMINARY	MAI

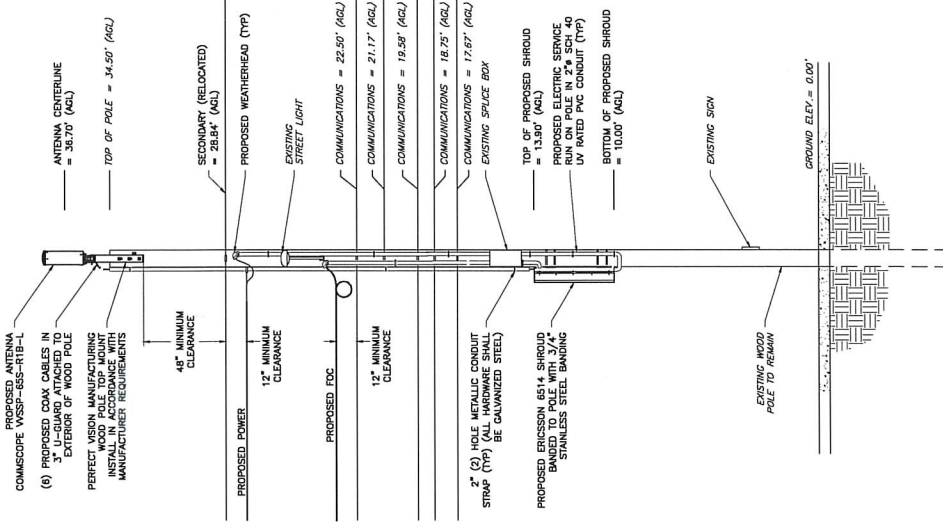
ELEVATION



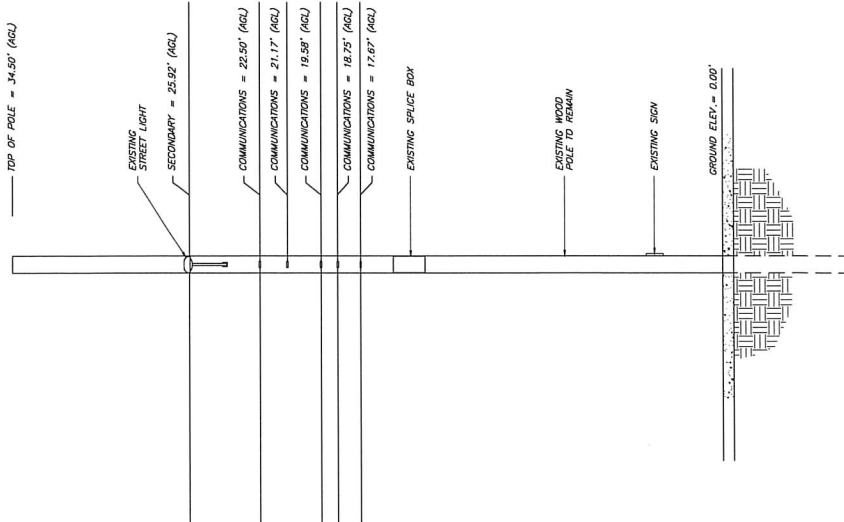
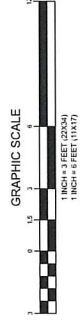
EXISTING CONDITIONS

- NOTES:**
- EQUIPMENT ELEVATION IS SUBJECT TO MAKE READY PERFORMED BY POLE OWNER.
 - NEW PULASKI SHALL BE OPEN COMPART AND DISPLAY THE FOLLOWING INFORMATION: TRANSMITTING SYSTEM, EQUIPMENT OWNER & PROPER CONTACT 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 LIKE TO ANY ADDITIONAL COMMUNICATIONS LINE.
 - MAINTAIN MINIMUM OF 5' FROM GROUND LEVEL TO METER LOCATION.
 - MAINTAIN MINIMUM OF 8' 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 & WEATHERHEAD SHOULD BE INSTALLED ON THE SAME SIDE OF THE POLE WITH THE SECONDARY(S) AND COMMUNICATION CABLE(S) TO ACCOMMODATE CLIMBING OF THE POLE.

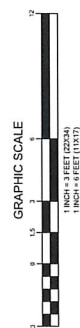
ATTACHMENT HEIGHTS, ANTENNA AND EQUIPMENT LOCATIONS
 PENDING MAKE-READY AND STRUCTURAL ANALYSIS



PROPOSED ELEVATION (LOOKING EAST)



EXISTING ELEVATION (LOOKING EAST)



REVISIONS

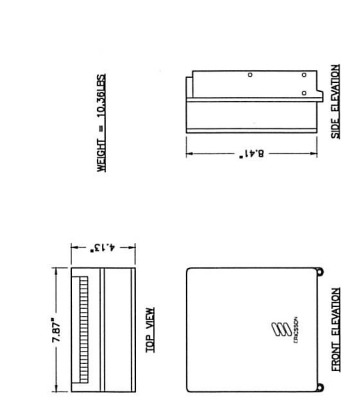
REV	DATE	DESCRIPTION	BY
1	05/25/17	EQUIPMENT HEIGHT REVISED	DPT
2	06/07/17	PRELIMINARY	NAMA

ENGINEERING FRM
APP/CANT
SITE INFORMATION
DESIGN RECORD
PROFESSIONAL STAMP
ENGINEER
SHEET TITLE
SHEET NUMBER

ARUPAKARAN KOLANDAVELU, P.E.
MA PROFESSIONAL ENGINEER LIC. #56919

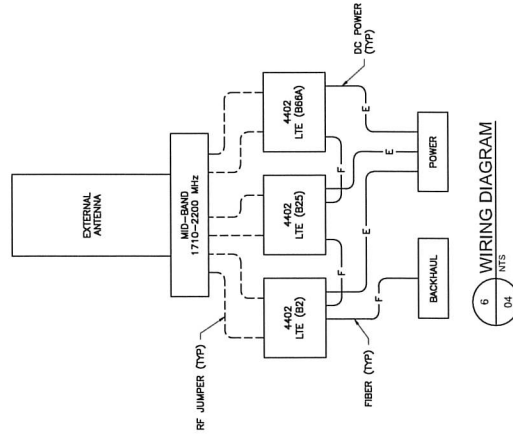
ANTENNA &
EQUIPMENT
DETAILS

SHEET
04 OF 05

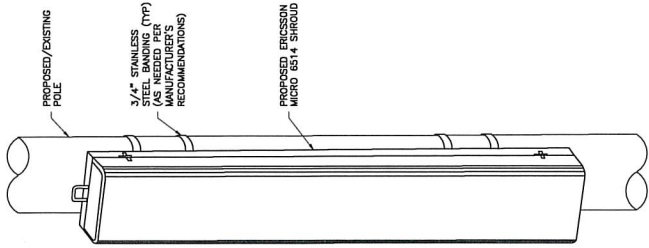


ERICSSON RADIO		NORMAL VOLTAGE RANGE AT RADIO INPUT CONNECTOR DC: -36 TO -56.5	NORMAL VOLTAGE RANGE AT RADIO INPUT CONNECTOR DC: -36 TO -56.5
4402 B2/B25	AC: 100-250V	4402 LTE (B2)	4402 LTE (B2)
4402 B8A	AC: 100-250V	4402 LTE (B8A)	4402 LTE (B8A)

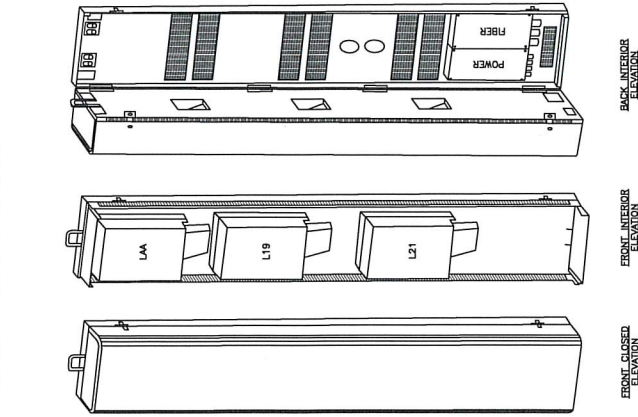
3 ERICSSON REMOTE RADIO UNIT (RRU)
04 NTS



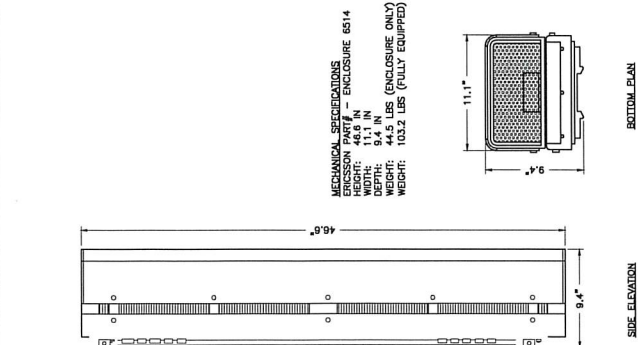
6 WIRING DIAGRAM
04 NTS



2 EQUIPMENT MOUNTING DETAIL
04 NTS

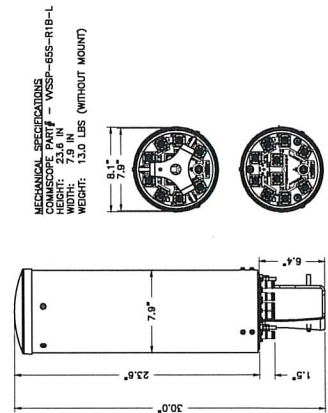


5 ANTENNA MOUNT DETAIL
04 NTS



MECHANICAL SPECIFICATIONS
ERICSSON MICRO 6514 ENCLOSURE
HEIGHT: 46.8 IN
WIDTH: 11.1 IN
DEPTH: 9.4 IN
WEIGHT: 44.5 LBS (ENCLOSURE ONLY)
WEIGHT: 103.2 LBS (FULLY EQUIPPED)

1 ERICSSON MICRO 6514 SHROUD DETAIL
04 NTS



4 ANTENNA DETAIL
04 NTS

