



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

BUSINESS LICENSE APPLICATION - Small Wireless Facility

File #: 24-002515
License #: BL24-000020
Address: 223 SCHOOL ST
Licensee: Ana Semashka Crown Castle
DBA Name: Crown Castle Fiber LLC

Business Ownership Type: LLC
Legal Name of Entity: Crown Castle Fiber LLC
Owners/Officers: , , ,

License Information:

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

Describe the reason for the work, and the intended beneficiaries: Upgrade existing small cell wireless equipment at existing locations, licensed in 2008, no trenching/excavation required, to provide improved service to the community, and emergency services coverage

Provide the detailed description of the work that should appear on the License: Upgrade existing small cell wireless equipment at existing locations

of installations on existing poles: 0

of installations on new poles: 1

Provide the legal name of the entity that will own the License: Crown Castle Fiber LLC

Approval Conditions:

Approved By:

William Cahill, Approved with Conditions

Electrical Review approved, conditional upon electrical permit applications/approvals for scope of work are obtained.

Isabela Maia, Approved with Conditions

Malik Drayton, Approved with Conditions

APPROVAL CONDITION: MD20240808: Contractor shall take all necessary precautions to avoid damaging any tree or tree part with equipment.

APPROVAL CONDITION: MD20240808: 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: MD20240808: 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

Joshua Manion, Approved

Kimberly M. Wells, Approved



CITY OF SOMERVILLE, MASSACHUSETTS
CITY CLERK'S OFFICE
KATJANA BALLANTYNE
MAYOR

KIMBERLY M. WELLS
CITY CLERK

August 13, 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, 2nd 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. 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: Crown Castle Fiber seeks a Small Wireless Facility to replace existing street light pole and install a small cell wireless antenna on a new street light pole located at the intersection of Evergreen Avenue and School Street.

PLACE: https://us02web.zoom.us/webinar/register/WN_rTQmfy-RQCG_QqKLjtYHsA or City Council Chambers, City Hall, 2nd Floor, 93 Highland Avenue, Somerville, MA 02143

TIME: Thursday, August 22, 2024, at 7:00 PM.

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

PROPOSED SMALL CELL NODE

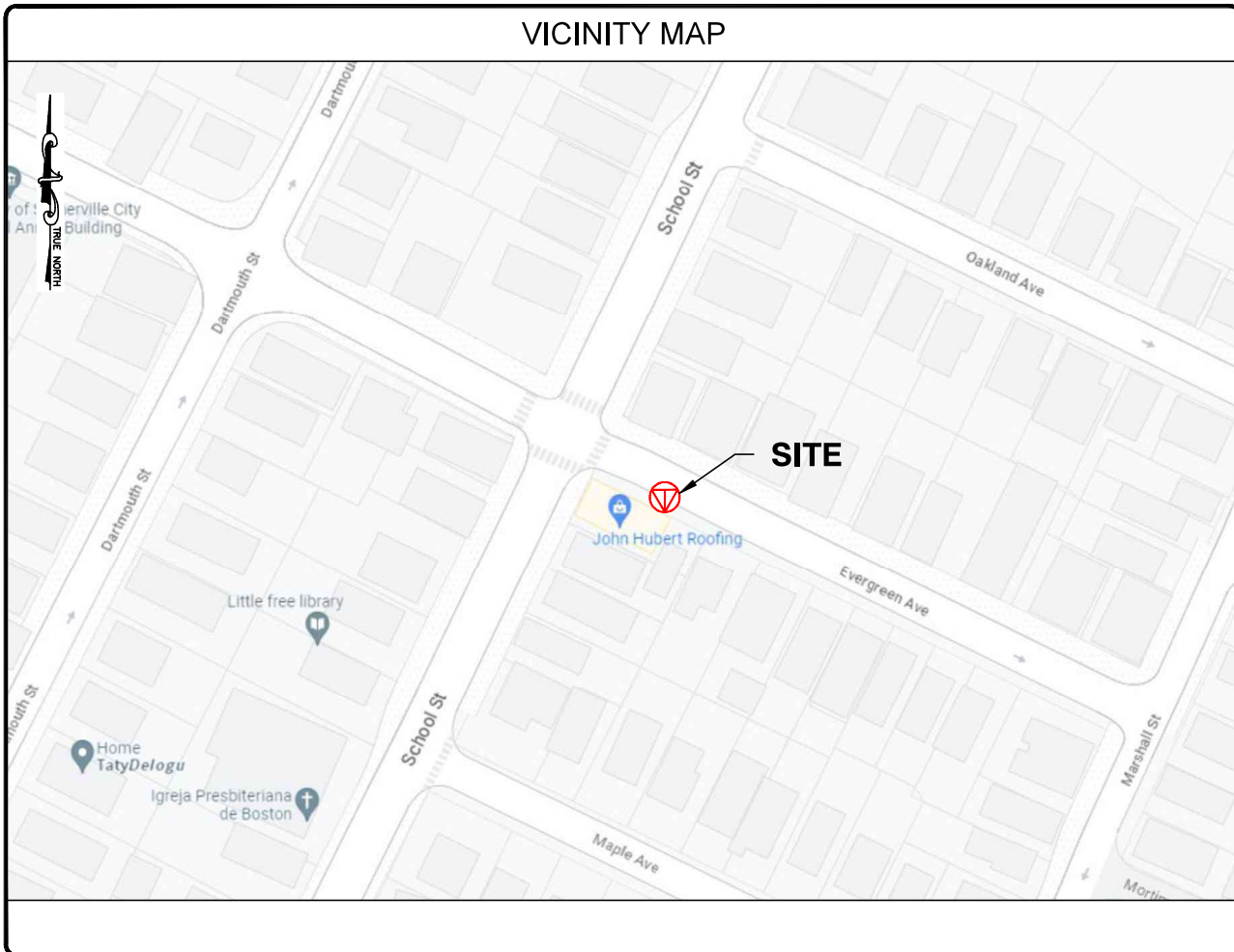
NODE ID: ODAS_2D

T-MOBILE ID: NE0512BA

SCU#: 406421

**17 EVERGREEN AVE, SOMERVILLE,
MIDDLESEX COUNTY**

VICINITY MAP



PROJECT INFORMATION

PROJECT NAME: CAMBRIDGE MA TID_00035_69 NODES
 JURISDICTION: SOMERVILLE
 CROWN CASTLE PROJECT MANAGER: ERIC PECKHAM
 1800 W PARK DRIVE
 WESTBOROUGH, MA 01581
 (401) 473-8630
 ELECTRIC COMPANY: EVERSOURCE
 TELEPHONE COMPANY: VERIZON

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING:

- 2015 INTERNATIONAL BUILDING CODE (MASSACHUSETTS AMENDED 9TH EDITION)
- 2023 NATIONAL ELECTRICAL CODE
- NFPA 1-2015 EDITION
- 2015 IFC - REFERENCE 527 CMR
- AMERICAN CONCRETE INSTITUTE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 13TH EDITION
- ANSI/TIA-222-G
- TIA 607
- INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE
- TELECORDIA GR-1275
- ANSI/T 311

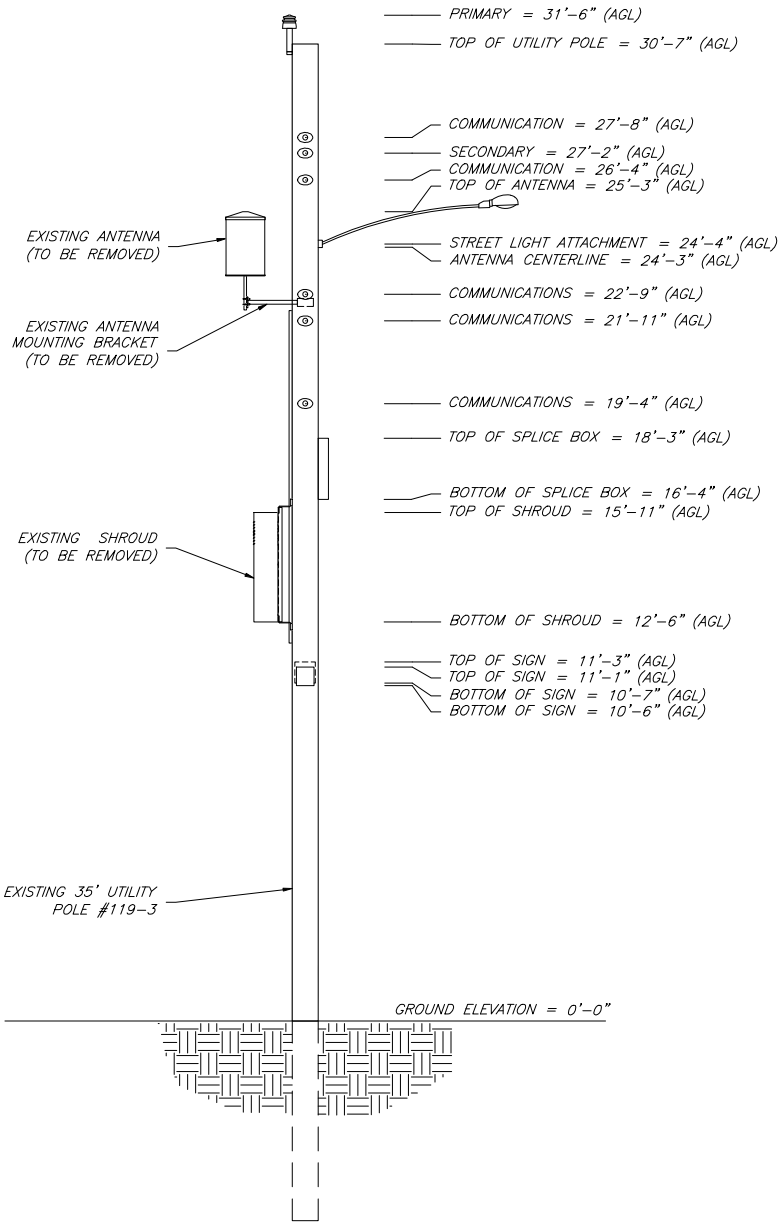


SITE PLAN

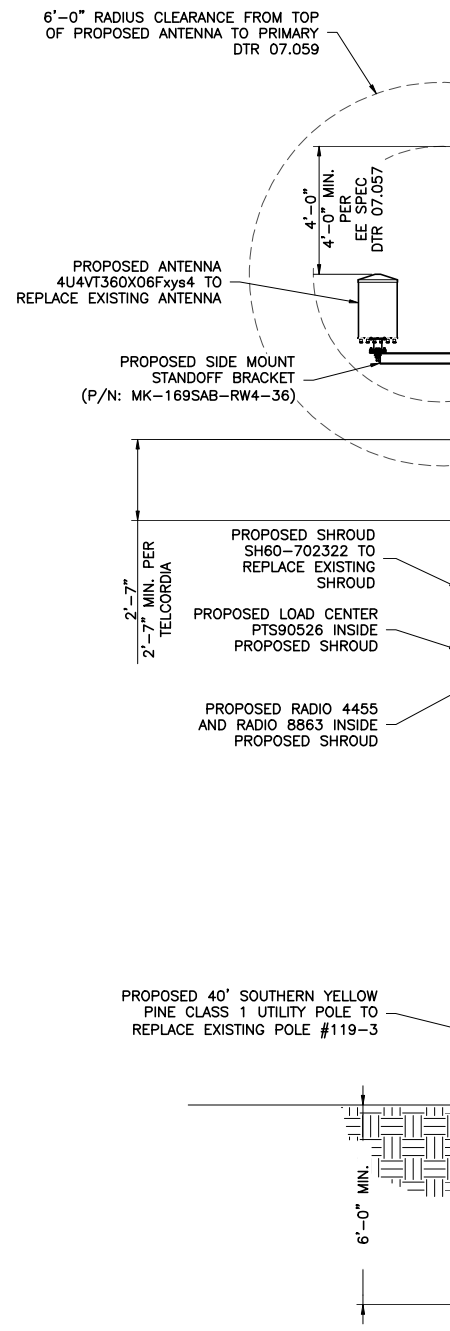
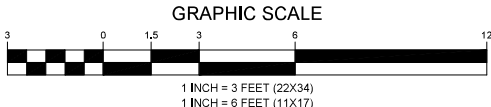
GRAPHIC SCALE



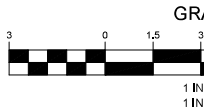
1 INCH = 10 FEET (22X34)
1 INCH = 20 FEET (11X17)



EXISTING ELEVATION (LOOKING NORTHWEST)

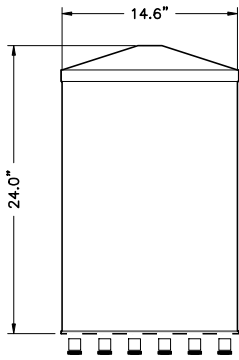


PROPOSED ELEVATION

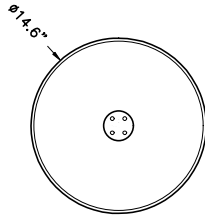




EXISTING CONDITIONS



ELEVATION

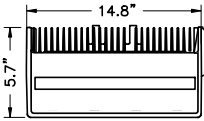
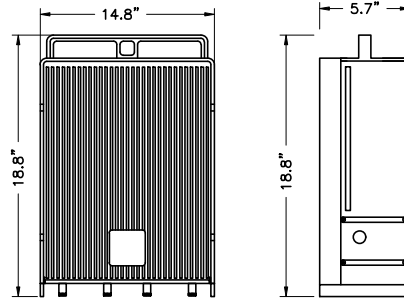


PLAN

MECHANICAL SPECIFICATIONS

AMPHENOL PART# - 4U4VT360X06F_{ys}4
 HEIGHT: 24.00 IN
 DIAMETER: 14.60 IN
 WEIGHT: 29 LBS

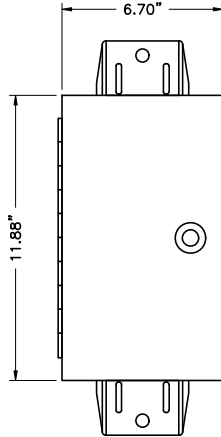
1 ANTENNA DETAIL
 06 NTS



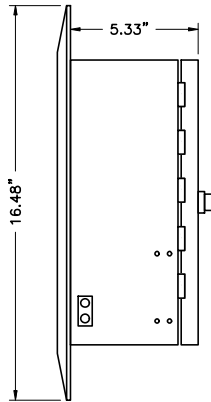
SIZE AND WEIGHT TABLE

RRU	HEIGHT	WIDTH	DEPTH	WEIGHT (W/FAN UNIT)
RADIO 8863 B41	18.8"	14.8"	5.7"	50.9 LBS.

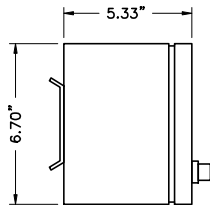
2 ERICSSON REMOTE RADIO UNIT (RRU)
 06 NTS



FRONT



SIDE

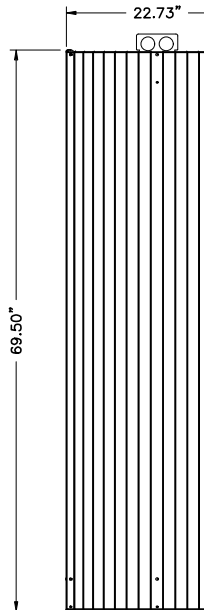
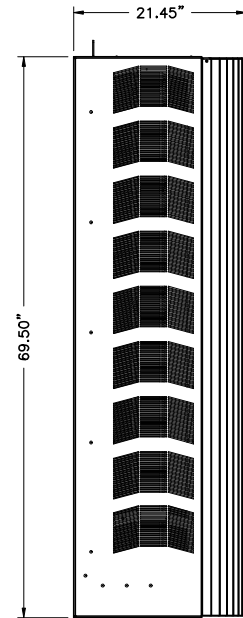
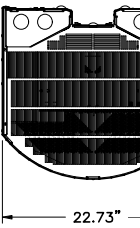


TOP

PTS AC DISTRIBUTION PANEL:
 PART NO. PTS90526

4 AC LOAD CENTER DETAIL
 06 NTS

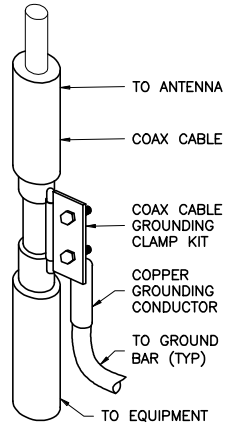
CHARLES INDUSTRIES INC. SHROUD
 PART NO. COLO-702322
 HEIGHT: 69.50 IN
 WIDTH: 22.73 IN
 DEPTH: 21.45 IN



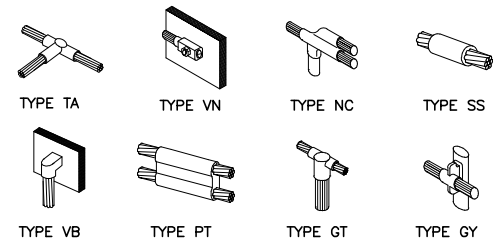
5 SHROUD DETAIL
 06 NTS

GENERAL NOTES:

1. METAL TO METAL CONTACT IS NOT ALLOWED WITHOUT AN INTENTIONAL BOND.
2. DISSIMILAR METALS IN DIRECT CONTACT, CAUSE CHEMICAL REACTION BETWEEN THE METALS, LEADING TO CORROSION.
3. ALL ABOVE GROUND CONNECTIONS TO THE VERTICAL GROUND RISER (VGR) SHALL BE IRREVERSIBLE CLAMP TYPE AND WEATHER PROOFED.
4. WHERE APPLICABLE EARTH GROUND RESISTANCE OF 5 OHMS OR LESS IS PREFERRED. 25 OHMS IS ACCEPTABLE SEE NEC 250.53.
5. ALL METALLIC SURFACES AND/OR GROUND COMPONENTS INSTALLED W/IN 6" OF EACH OTHER MUST BE PROPERLY BONDED TO VGR, INCLUDING BUT NOT LIMITED TO, RADIO SHROUD, ANTENNA BRACKETS, STREET LIGHTS AND THE METER/LOAD CENTER OF THE AC SERVICE.
6. RF GROUND KITS ARE NOT REQUIRED WHERE RF SURGE PROTECTION DEVICES (SPDS) ARE INSTALLED AHEAD OF THE RF CABLES ENTRY POINT INTO THE SHROUD. GROUND AVAILABLE SPDS TO VGR.
7. WHEN A NEW FOUNDATION IS INSTALLED, BOND THE AVAILABLE REBAR TO THE SITE GROUNDING.
8. WHEN GROUNDING EQUIPMENT INSIDE A SHROUD, CONNECT TO THE SHROUD MANUFACTURER S GROUND BUSS BAR, AND WATERFALL THE GROUND WIRE FROM THE SHROUD IN A DOWNWARD SWEEPING MOTION TO THE VGR. AVOID GROUND LOOPS THROUGH THE EQUIPMENT CHASSIS TO THE METALLIC SHROUD.
9. FOR METAL POLES BOND THE POLE TO THE VGR. FOR ELECTRIC METERS INSTALLED ON METAL POLES, AVOID UNINTENTIONAL BONDING THROUGH THE CHASSIS OF THE METER AND THE METAL POLE. ALL BONDS SHOULD BE INTENTIONAL.
10. THE NEUTRAL GROUND BOND SHOULD IDEALLY BE AT THE FIRST LOAD CENTERING MEANS AFTER THE ELECTRICAL SERVICE. SEE NEC CODE 250.24 FOR NEUTRAL GROUND BONDING CONNECTION.
11. WHEN SITE IS POWERED UP, BEFORE ACCEPTANCE, TEST FOR OBJECTIONABLE CURRENT AND FOREIGN VOLTAGE.



1 COAX CABLE GROUND
07 NTS



2 GROUNDING CONNECT
07 NTS

92 SPRING ST LLC
93 BROADWAY
SOMERVILLE, MA 02145

DAVIS ALAN
223 SCHOOL ST UNIT 2
SOMERVILLE, MA 02145 USA

MOINUDDIN ABUL R
223 SCHOOL ST #1
SOMERVILLE, MA 02143