



CITY OF SOMERVILLE

Commonwealth of Massachusetts

93 Highland Avenue

Somerville, MA 02143

(617) 625-6600

BUSINESS LICENSE APPLICATION - Grant of Location

File #: 19-014816

License #: BL19-000085

Address: 546 BROADWAY

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: Installation of a small cell wireless facility on a wood utility pole in the public right-of-way at 546 Broadway as depicted on the drawings accompanying this application. The facility will improve wireless communications services for residents, businesses, and visitors in the vicinity.

Approval Conditions:

Approved By:

John J. Long, Approved

Karla Cuarezma, Approved

John J. Long, Approved



CITY OF SOMERVILLE, MASSACHUSETTS
CITY CLERK'S OFFICE

JOSEPH A. CURTATONE
MAYOR

JOHN J. LONG
CITY CLERK

September 4, 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 replace an existing pole and install a small cell wireless antenna on a new pole located on Broadway at Richard Trum Playground known as 546 Broadway.

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

TIME: Thursday, September 12, 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



CITY OF SOMERVILLE, MASSACHUSETTS

DEPARTMENT OF PUBLIC WORKS

JOSEPH A. CURTATONE

MAYOR

STAN KOTY

Commissioner

August 21, 2019

The Honorable City Council
City Hall
93 Highland Avenue
Somerville MA, 02143

**RE: Grant of Location
Extenet Systems, Inc.
546 Broadway**

Dear Board Members:

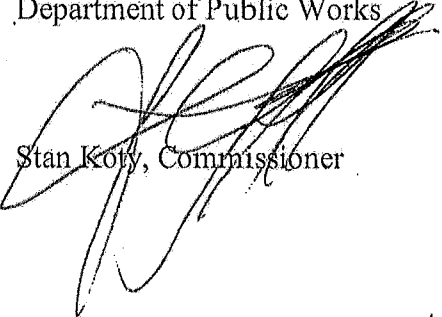
Preliminary approval is recommended for the petition and plan of Extenet Systems, Inc. to replace an existing city-owned concrete street light with a steel look alike pole fitted with a Wireless Small Cell Antenna and related equipment. Existing pole is located on Broadway at Richard Trum Playground known as 546 Broadway (Lat/Long 42.398328 / -71.107695). Broadway is a public way in Somerville, MA.

This recommendation is made with reference to Extenet Systems, Inc.'s Order for Location for Wires, Cables, Poles, Piers, Abutments, Conduits or Fixtures dated August 9, 2019 and plan of July 25, 2019 upon stipulation that the Grant of Location is subject to: a reservation of rescission by the City Council; indemnification of the City for all liability arising from said Grant; all permit procedures, conditions and approvals of municipal utilities; protection of existing infrastructure; and complete surface repair, restoration and maintenance. A public hearing will be required.

This is necessary to provide improved wireless communication services in the immediate area.

Respectfully requested,

Department of Public Works


Stan Koty, Commissioner

1 Franey Road Somerville, Massachusetts 02145

(617) 625-6600 Ext 5100 TTY (866) 808-4851 Fax (617) 623-7649

www.somervillema.gov

**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

546 Broadway

Extenet proposes to install a small cell wireless facility on a replacement cobra style light pole of **approximately the same height, utilizing a steel "look alike" pole painted to match the existing concrete 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. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains appearance of the existing streetscape and 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

CRAN_ID / EXTENET ID: CRAN_RCTB_2HA4_041/NE-MA-BSTBSC01-00041

LATITUDE / LONGITUDE: 42.398328° / -71.107695°

SITE ADDRESS: 546 BROADWAY

CITY, STATE, ZIP: SOMERVILLE, MA 02145

CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
72 HOURS NOTICE REQUIRED.
ENTER 1-888-DIG-SAFE



NOTE:
GENERAL CONTRACTOR IS REQUIRED TO CROSS CHECK COORDINATES, EXHIBIT PHOTO, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND. CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO ASSIGNED EXTENET PROJECT MANAGER.

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE.

SITE INFORMATION

CRAN ID: CRAN_RCTB_2HA4_041
EXTENET NODE ID: NE-MA-BSTBSC01-00041
LATITUDE: 42.398328°
LONGITUDE: -71.107695°
SITE ADDRESS: 546 BROADWAY
CITY, STATE ZIP: SOMERVILLE, MA 02145
COUNTY: MIDDLESEX
JURISDICTION: CITY OF SOMERVILLE
PROPERTY OWNER: PUBLIC RIGHT-OF-WAY
APPLICANT: EXTENET SYSTEMS
876 HAMMOND ST
CHESTNUT HILL, MA 02467
(617) 232-4154

ENGINEER

RICK ANGELINI
RICKS ENGINEERING
SUITE 100
LISLE IL 60532
NOC: (866) 882-5327

DO NOT SCALE DRAWINGS

CONTRACTORS SHALL VERIFY ALL PLANS, (EX.) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

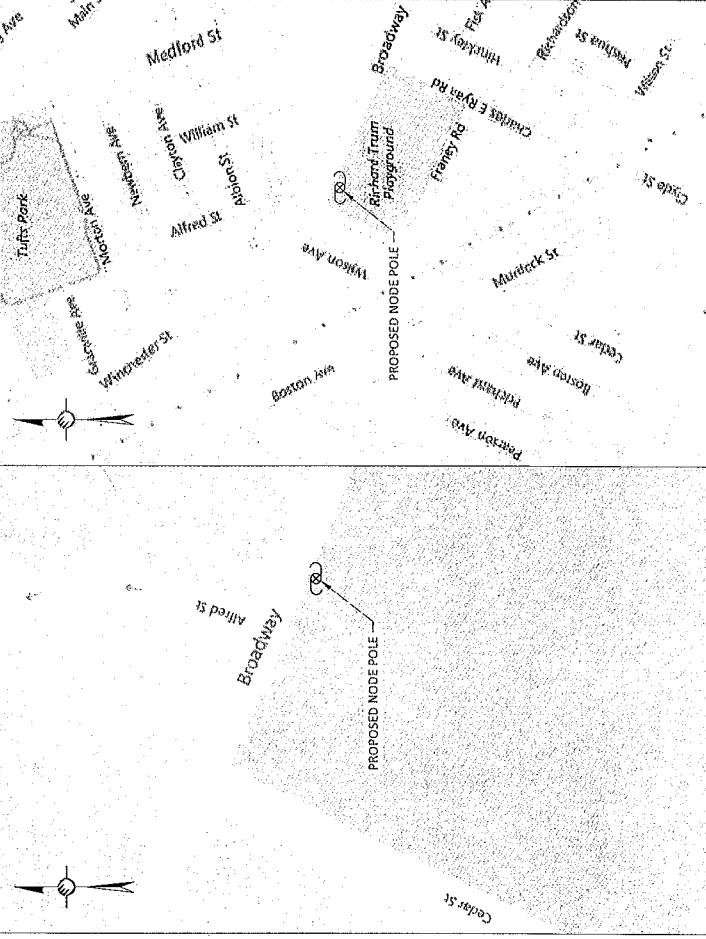
LOCATION MAPS

VICINITY MAP

SCALE: 1" = 50'

REGIONAL MAP

SCALE: 1" = 500'



PROJECT DESCRIPTION

INVOLVING INSTALLMENT:
THESE PLANS REPRESENT A PORTION OF A PROPOSED SMALL CELL BUILD INVOLVING THE INSTALLMENT OF AN ANTENNA AND RADIO EQUIPMENT ON AN EXISTING WOODEN UTILITY OR REPLACEMENT METAL STREETLIGHT POLE.

CODES

2019 INTERNATIONAL BUILDING CODE
NATIONAL ELECTRIC SAFETY CODE
TIA/EIA-222-G-2 OR LATEST EDITION
LOCAL BUILDING / PLANNING CODE

DRAWING INDEX

SHEET NO.	TITLE SHEET
T-1	SITE PLAN & EXHIBIT PHOTO
A-1	ELEVATIONS
A-2	ELEVATIONS
A-3	ELEVATIONS
D-1	ANTENNA DETAILS
D-2	RADIO SHROUD DETAILS
D-3	FOUNDATION DETAILS
D-4	GROUNDING & WIRING DIAGRAMS
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES

SHEET NUMBER: T-1

PLANS PREPARED FOR:

extenet
NETWORK
SYSTEMS

PLANS PREPARED BY:

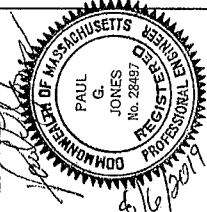
UC / SYNERGETIC
21 OXFORD RD
MAKESFIELD, MA 02048
www.ucsynergistic.com
1.800.837.7900

FOR PERMITTING
PURPOSES ONLY

LOCATION:

546 BROADWAY
SOMERVILLE, MA 02145
MIDDLESEX COUNTY

P.E. STAMP



DRAWING NOTES:

ORIGINAL PLAN:
SCALE: AS NOTED
DRAWN BY: EP
PLAN DATE: 07/25/19

REV	DESCRIPTION	BY	DATE

SITE INFO:
LAT: 42.398328°
LONG: -71.107695°

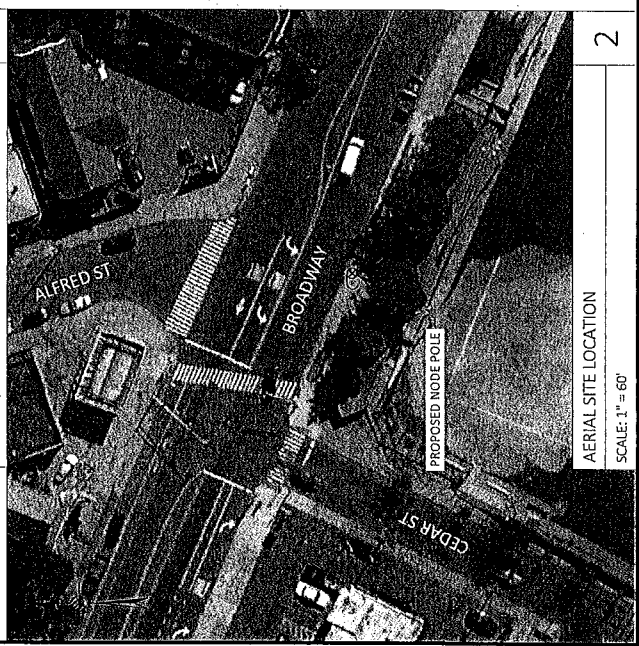
CRAN ID: CRAN_RCTB_2HA4_041
EXTENET NODE ID: NE-MA-BSTBSC01-00041
SITE ADDRESS: 546 BROADWAY
SHEET TITLE: TITLE SHEET

NOTE:
EXHIBIT PHOTO IS FOR
REFERENCE USE ONLY AND
SHOULD NOT BE USED FOR
CONSTRUCTION PURPOSES.



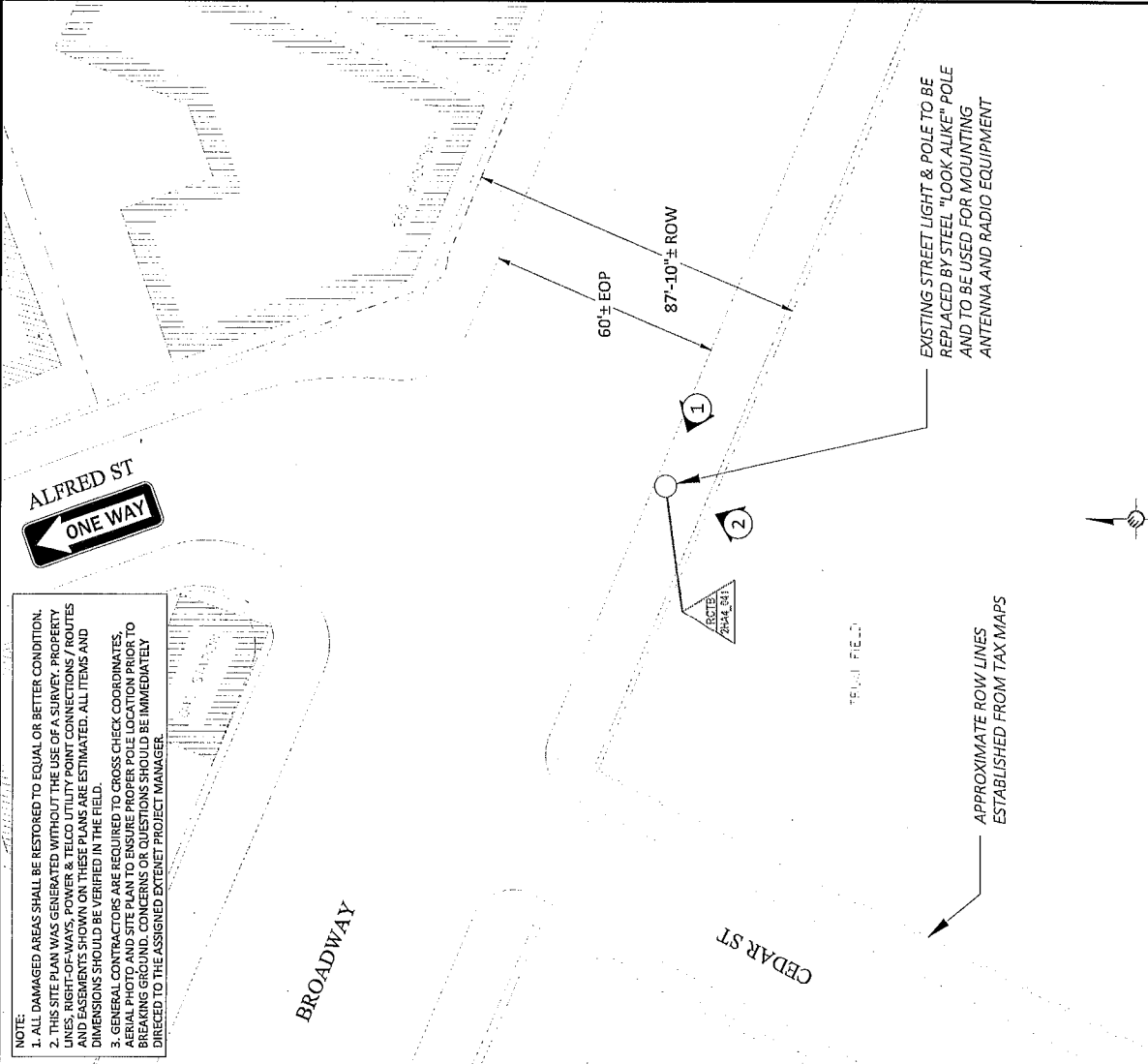
PROPOSED NODE POLE

EXHIBIT PHOTO
SCALE: NOT TO SCALE



AERIAL SITE LOCATION
SCALE: 1" = 60'

NOTE:
1. ALL DAMAGED AREAS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.
2. THIS SITE PLAN WAS GENERATED WITHOUT THE USE OF A SURVEY. PROPERTY
LINES, RIGHT-OF-WAYS, POWER & TELCO UTILITY POINT CONNECTIONS / ROUTES
AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED. ALL ITEMS AND
DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.
3. GENERAL CONTRACTORS ARE REQUIRED TO CROSS CHECK COORDINATES,
AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO
BREAKING GROUND. CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY
DIRECTED TO THE ASSIGNED EXTERNET PROJECT MANAGER.



ENLARGED SITE PLAN
SCALE: 1" = 30'

3

PLANS PREPARED FOR:
externet
SYSTEMS

PLANS PREPARED BY:
UC SYNERGETIC
ENGINEERING & DESIGN
21 OXFORD RD
MANSFIELD, MA 02048
www.ucsynerg.com
508.337.7600

**FOR PERMITTING
PURPOSES ONLY**

LOCATION:
546 BROADWAY
SOMERVILLE, MA 02145
MIDDLESEX COUNTY

P.E. STAMP AREA

DRAWING NOTES:

ORIGINAL PLAN:
SCALE: AS NOTED
DRAWN BY: EP
PLAN DATE: 07/25/19

REV	DESCRIPTION	BY	DATE

SITE INFO:
LAT: 42.398328°
LONG: -71.107695°
CRAN ID: CRAN_RCTB_2HA4_D41
EXTNET NODE ID: NE-MA-BSTBC01-00041
SITE ADDRESS: 546 BROADWAY
SHEET TITLE: SITE PLAN & EXHIBIT PHOTO
SHEET NUMBER:

A-1

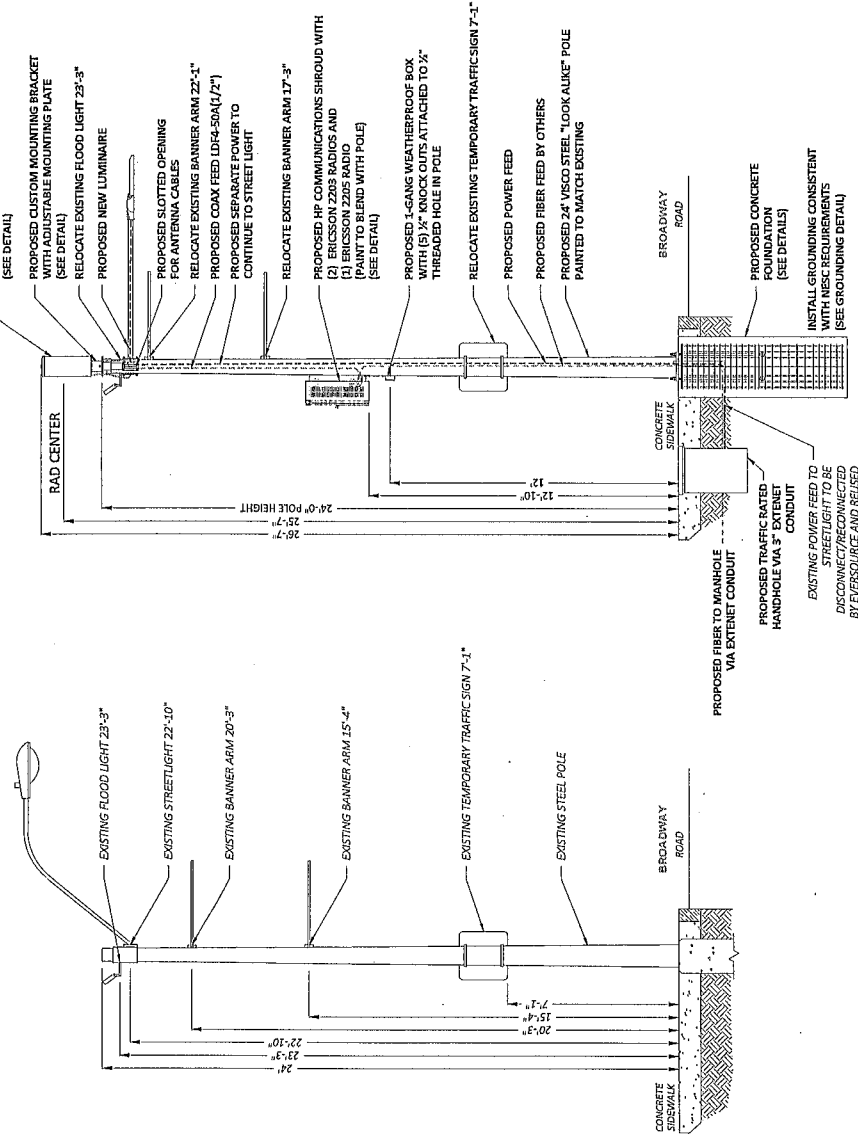
DRAWINGS NOTES:

- NOTE 1:
40' MIN. WORKER SAFETY ZONE
BETWEEN LOWEST POWER & HIGHEST
COMMUNICATIONS CABLE
IN ACCORDANCE WITH NESC REGULATIONS.
- NOTE 2:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 3:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND
WITH POLE.
- NOTE 4:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 5:
PROPOSED EQUIPMENT SHALL BE INSTALLED NO
HIGHER THAN 30" BELOW TELEPHONE UTILITY LINES.

NOTE 1:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE
ATTACHED TO THIS POLE.

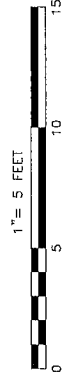
CONSTRUCTION NOTE:
REMOVE ANY CONDUCTORS, CONDUIT, OR OTHER ATTACHMENTS THAT WILL NOT BE IN
USE AFTER PROPOSED WORK IS COMPLETED.

ENGINEERING NOTE: REGARDING EXISTING POLES:
EXISTING POLES MUST BE INSPECTED BY A RESPONSIBLE TECHNICIAN IN ORDER TO
ENSURE THAT THEY ARE NOT DAMAGED OR DECAYED, AND ARE NOT LEANING OR
MOVING EXCESSIVELY BEFORE ANY WORK IS STARTED.



1 EXISTING PROFILE - SIDE VIEW
LOOKING NORTHWEST ALONG BROADWAY

1 PROPOSED PROFILE - SIDE VIEW
LOOKING NORTHWEST ALONG BROADWAY



PLANS PREPARED FOR: extenet SYSTEMS 1000 WEST 10TH AVE. MASSACHUSETTS 02114		PLANS PREPARED BY: UC SYNERGETIC 21 OXFORD RD. SOMERSET, MA 01906 www.ucsynergistic.com		FOR PERMITTING PURPOSES ONLY		LOCATION: 546 BROADWAY SOMERVILLE, MA 02145 MIDDLESEX COUNTY		P.E. STAMP AREA		DRAWING NOTES		<table border="1"> <tr> <td>ORIGINAL PLAN:</td> <td>AS NOTED</td> </tr> <tr> <td>DRAWN BY:</td> <td>EP</td> </tr> <tr> <td>PLAN ORG. DATE:</td> <td>07/25/19</td> </tr> <tr> <td>REVISIONS:</td> <td></td> </tr> <tr> <td>REV.</td> <td>DESCRIPTION</td> <td>BY</td> <td>DATE</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>		ORIGINAL PLAN:	AS NOTED	DRAWN BY:	EP	PLAN ORG. DATE:	07/25/19	REVISIONS:		REV.	DESCRIPTION	BY	DATE																																								
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NOTE 1:
40" MIN. WORKER SAFETY ZONE
BETWEEN LOWEST POWER & HIGHEST
COMMUNICATIONS CABLE
IN ACCORDANCE WITH NESC REGULATIONS.

NOTE 2:
PROCESSOR CIPED TO BE INSTALLED BY OTHERS

NOTE 3:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND
WITH POLE.

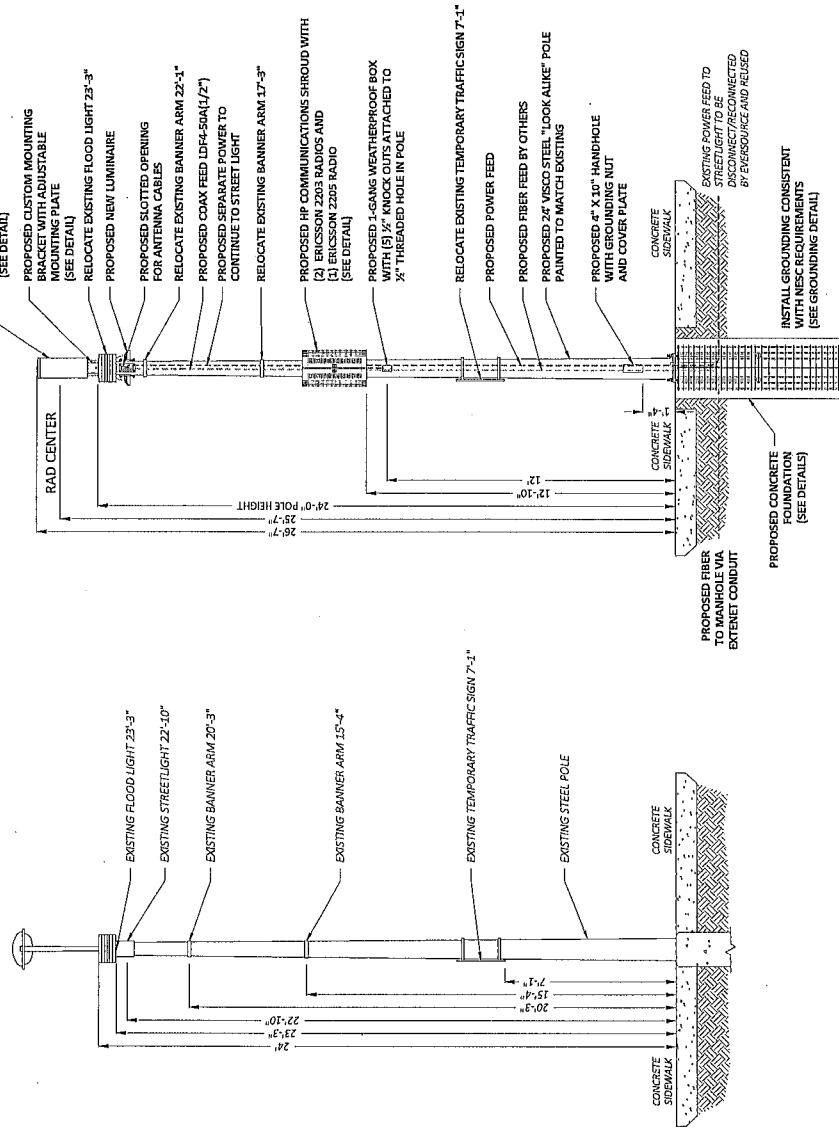
NOTE 4:

NOTE 5:
PROPOSED EQUIPMENT SHALL BE INSTALLED NO HIGHER THAN 30" BELOW TELEPHONE UTILITY LINES. FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.

NOTE 1:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.

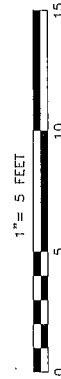
CONSTRUCTION NOTE:
REMOVE ANY CONDUIT
USE AFTER PROPOSED

ENGINEERING NOTE: REGARDING EXISTING POLES; EXISTING POLES MUST BE INSPECTED BY A RESPONSE TEAM TO DETERMINE IF THE POLES CAN ENSURE THAT THEY ARE NOT DAMAGED OR DECAYING TO THE POINT OF COLLAPSE. IF THE POLES ARE MOVING EXCESSIVELY BEFORE ANY WORK IS STARTED, THE POLES MUST BE REINFORCED OR REPLACED.



② EXISTING PROFILE - REAR VIEW
LOOKING NORTHEAST TOWARD BROADWAY

2 PROPOSED PROFILE - REAR VIEW
LOOKING NORTHEAST TOWARD BROADWAY



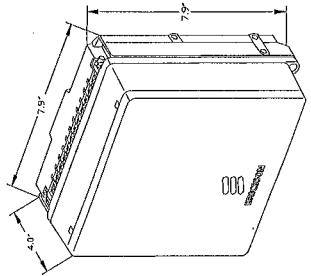
PLANS PREPARED FOR:


PLANS PREPARED BY:

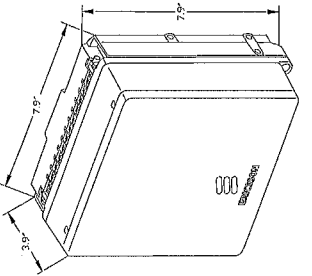

FOR PERMITTING PURPOSES ONLY
 LOCATION:
 546 BROADWAY
 SOMERVILLE, MA 02145
 MIDDLESEX COUNTY
 P.E. STAMP AREA:

DRAWING NOTES:
 ORIGINAL PLAN: AS NOTED
 SCALE: EP
 DRAWN BY: EP
 PLAN ORG. DATE: 07/25/19
 REVISIONS:

SITE INFO:
 LAT: 42.398328°
 LONG: -71.07695°
 CRAN ID: CRAN_RCTB_2HA4_041
 EXTENET NODE ID: NE-MA-BSTBSC01-00041
 SITE ADDRESS: 546 BROADWAY
 SHEET TITLE: ANTENNA DETAILS
 SHEET NUMBER: D-1



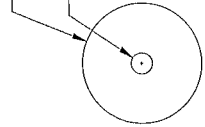
ERICSSON RADIO 2203 WITH COVER



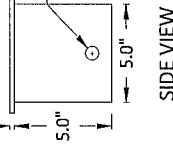
ERICSSON RADIO 2203 WITH COVER

ERICSSON 2203 & 2205 RADIOS WITH COVER
POLE MOUNT REMOTE UNIT

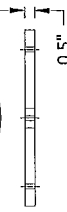
SCALE: NOT TO SCALE



TOP VIEW



SIDE VIEW



ADJUSTABLE PLATE

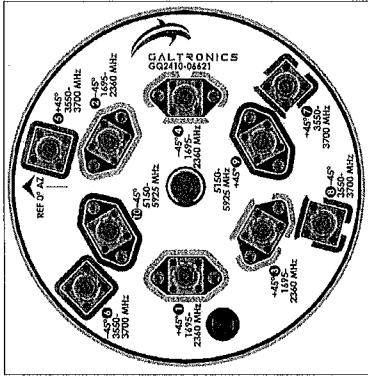
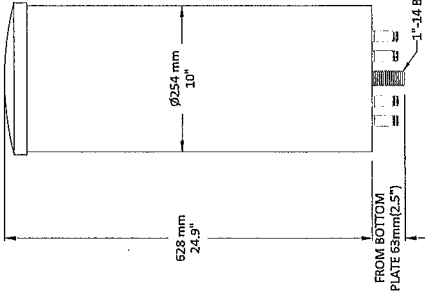


24" x 10" Pseudo Omni 10-Port Canister Antenna 1695-2360, 3550-3700 and 5150-5925 MHz
GQ2410-06621

Description:

- Pseudo Omni Canister Antenna for Outdoor DAS and Small Cells.
- 4x ports for AWS/PCS/WCS Band 1695-2360 MHz
- 4x ports for CBRS Band 3550-3700 MHz
- 2x ports for UNII Band 5150-5925 MHz*

1695-2360, 3550-3700 and 5150-5925 MHz Pseudo Omni Canister Antenna

FROM BOTTOM PLATE (5mm(2.5"))

1"-14 BOLT

GALTRONICS GQ2410-06621 ANTENNA

SCALE: NOT TO SCALE

PLANS PREPARED FOR:



PLANS PREPARED BY:



FOR PERMITTING
PURPOSES ONLY

LOCATION:
546 BROADWAY
SOMERVILLE, MA 02145
MIDDLESEX COUNTY

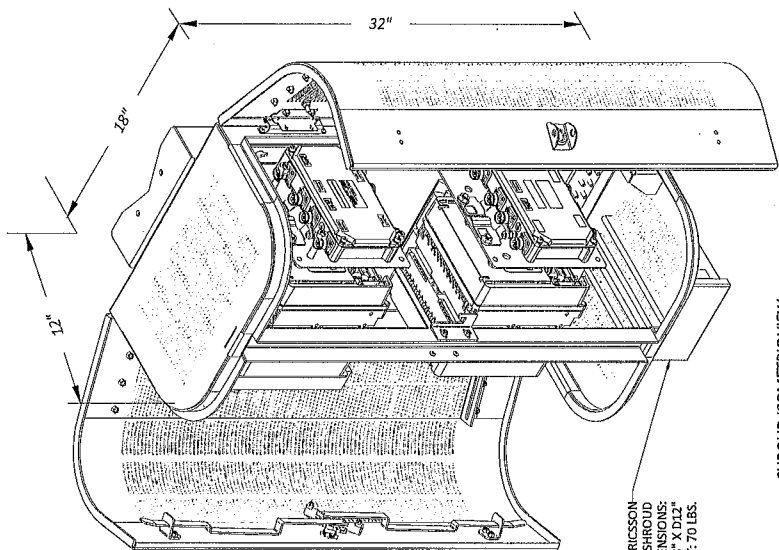
P.E. STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN	
SCALE:	AS NOTED
DRAWN BY:	EP
PLAN ORG. DATE:	07/25/29

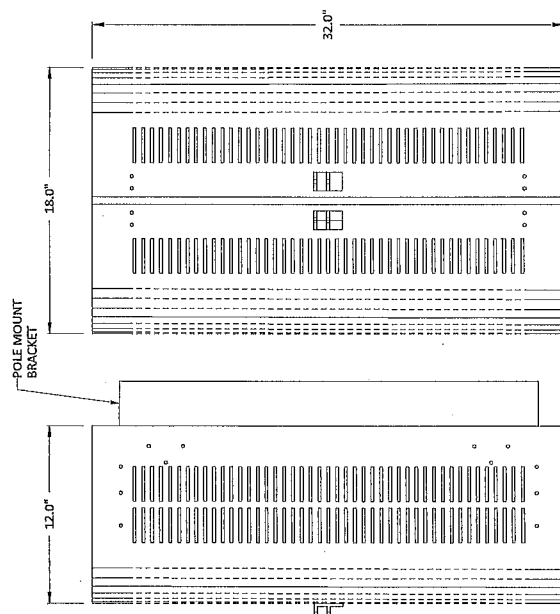
REVISIONS	
REV	DESCRIPTION
BY	DATE

SITE INFO:	
LAT:	42.398328°
LONG:	-71.107695°
CRAN ID:	CRAN_RCTB_2HA4_041
EXTENET NODE ID:	NE-MA-BSTRSC01-00041
SITE ADDRESS:	546 BROADWAY
SHEET TITLE:	RADIO SHROUD DETAILS
SHEET NUMBER:	D-2



SHROUD ISOMETRIC VIEW

PROPOSED ERICSSON
CURVED SHROUD
DIMENSIONS:
H32" X W18" X D12"
WEIGHT: 70 LBS.



SHROUD FRONT

SHROUD SIDE

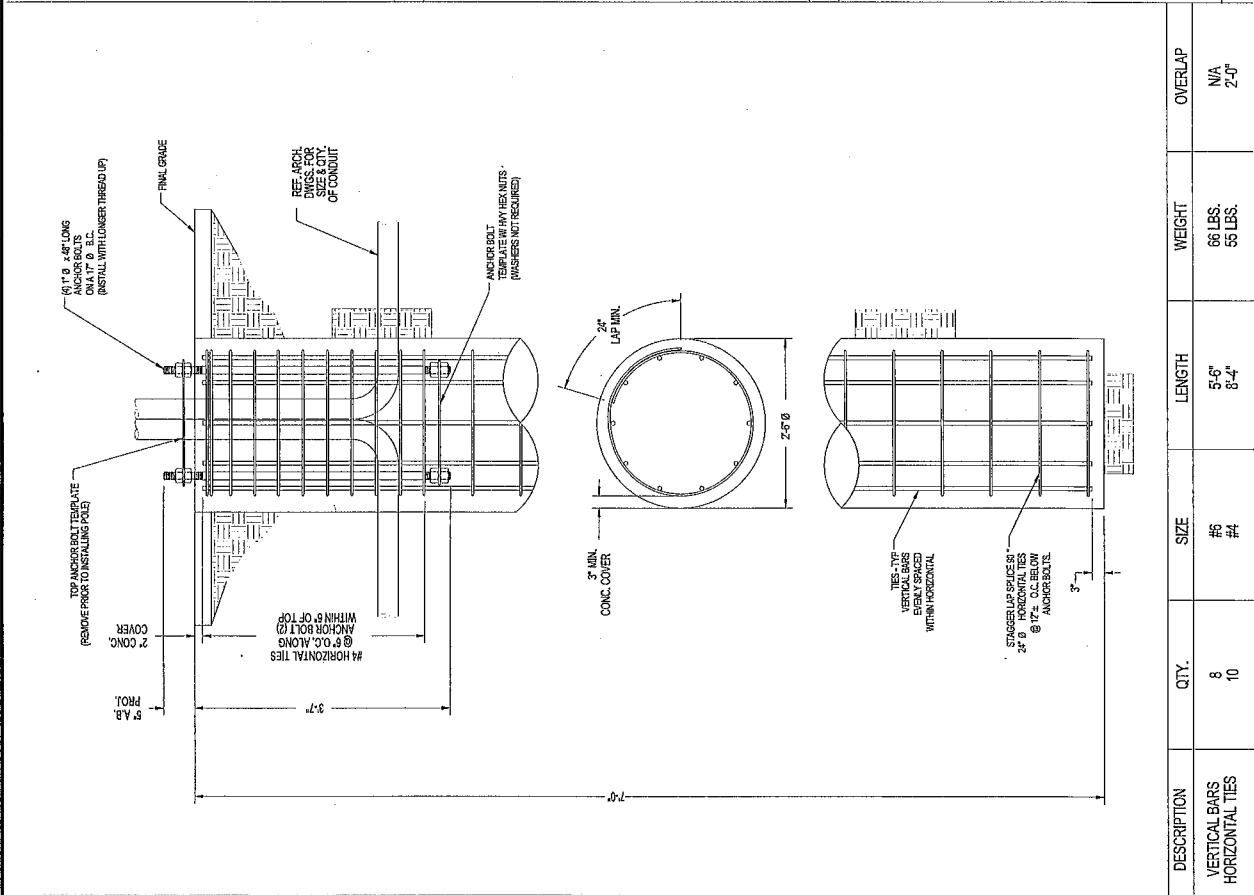
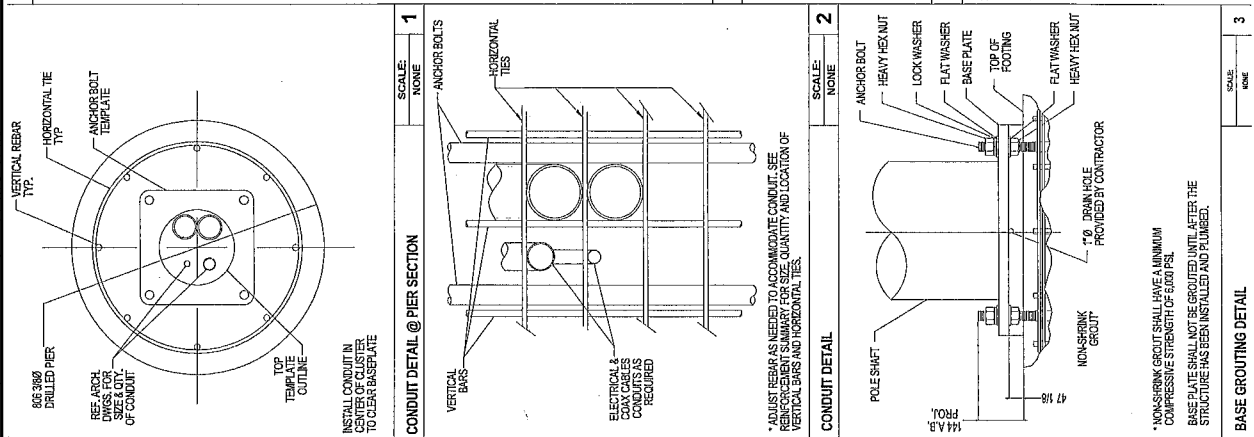
ERICSSON CURVED SHROUD - 3.8 CUBIC FEET

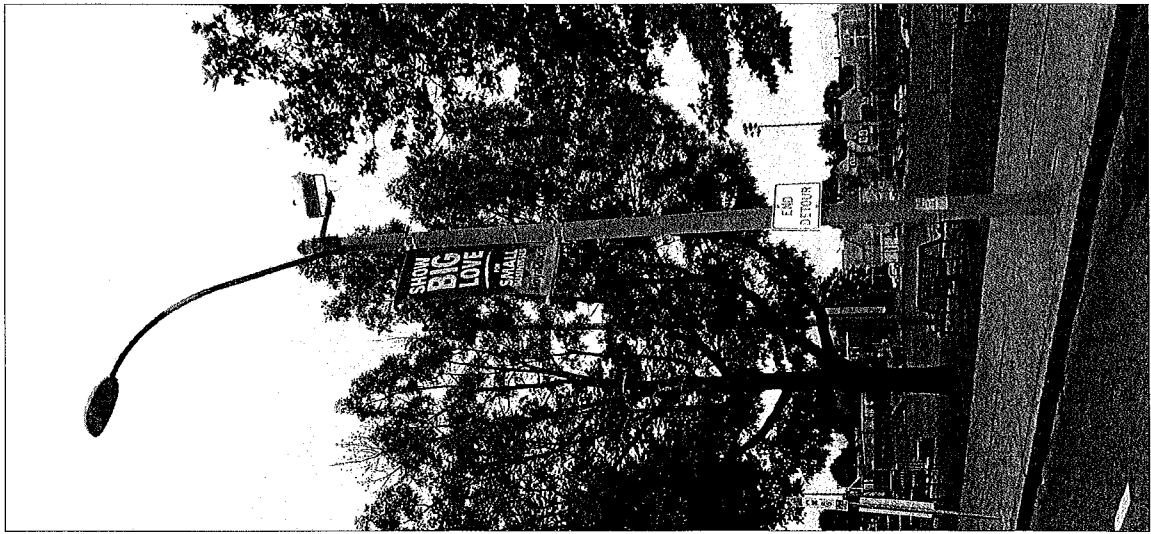
SCALE: NOT TO SCALE

1. CONTRACTOR IS RESPONSIBLE FOR CHECKING AREA FOR UNDERGROUND FACILITIES PRIOR TO EXCAVATING ANY MATERIALS.
2. CONTRACTOR SHALL INSPECT AND REMOVE ALL DEBRIS FROM BOTTOM OF EXCAVATION.
3. CONTRACTOR SHALL VERIFY ANCHOR BOLT LAYOUT PRIOR TO, AND IMMEDIATELY AFTER PLACING CONCRETE. ANCHOR BOLT LAYOUTS SHALL BE VERIFIED BY THE ARCHITECT.
4. CONTRACTOR SHALL USE AND PROVIDE REINFORCED REINFORCING BARS CONFORMING TO ASTM A635 GR. 60 (60,000 PSI MIN. YIELD). CONTRACTOR SHALL USE STEEL WIRE TO HOLD REINFORCING BARS TOGETHER. IF CONTRACTOR PREFERED, SUBSTITUTE USING AT 70'S OR 80' DEFORMED BARS.
5. CONTRACTOR SHALL USE AND PROVIDE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 100 PSI. CONCRETE SHALL USE MAXIMUM ALLOWABLE WATER-CEMENT RATIO OF 0.45. MINIMUM CURE PER YARD, 5' MINIMUM AND 7' MAXIMUM CONCRETE SLUMP.
6. THROUGHOUT DEPTH OF FOUNDATION VIBRATING LOWER PARTS MAY BE ACCOMPLISHED BY TOUCHING REBAR CASE WITH VIBRATOR.
7. CONTRACTOR SHOULD ANTICIPATE THE USE OF FULL LENGTH REINFORCING BARS IN ORDER TO MAINTAIN PROPER SPACING OF BARS BE INTRODUCED DURING THE PLACEMENT OF CONCRETE IN THE EXCAVATED HOLE. CONCRETE SHALL BE PLACED USING COMBINATION METHODS TO MINIMIZE SEGREGATION OF CONCRETE AND AGGREGATE. CONTRACTOR SHALL NOT ALLOW ANY OTHER TYPE OF CONCRETE TO BE PLACED BELOW WATER USING THESE METHODS. ** CONCRETE MAY BE PLACED BELOW WATER TO THE DEPTH INDICATED, AND THE ABOVE GRADE PORTION SHALL BE PLACED ON THE REMAINDER. ANCHOR BOLTS SHALL BE PLACED AS SHOWN IN THE DRAWINGS. FINISHES OF EXCAVATION COLD JOINTS ARE NOT ALLOWED.
9. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ADEQUATE COVERAGE OF EXCAVATION. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL USE 3" POTENTIAL COVER OVER REBAR. TOP OF FOOTING SHALL BE TROWELED FINISH AND SMOOTH.
10. EXCAVATION SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE DESIGN PER 2008(2) IBC, TABLE 606.2, CLASS A MATERIAL.
11. TOTAL VOLUME OF CONCRETE REQUIRED FOR THIS FOUNDATION IS APPROXIMATELY 11 CU. YDS.

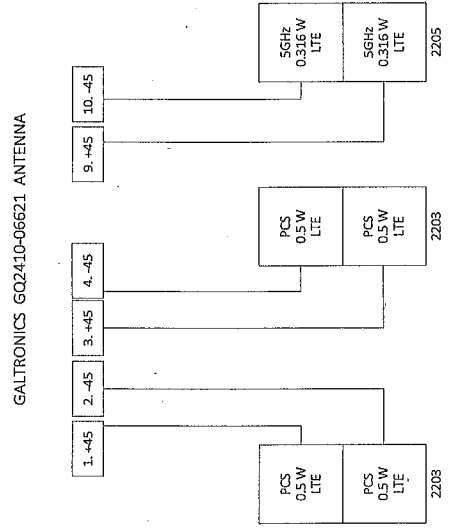
MOMENT	=	20.9 ft-kips
SHEAR	=	2.46 kips
VERTICAL	=	1.37 kips

SPECIAL INSPECTION		SPECIAL INSPECTION PER 2009/2012 IBC SECTION 1704	
ITEM	DESCRIPTION	INSPECTION BY	MATERIAL
1	PILE EXCAVATION LATERAL BEARING CAPACITY	SOLS ENGINEER	300 REPTT ASTM A476 GR. 60
2	PILE CONSTRUCTION REINFORCING STEEL BAR SIZES AND INSTALLATION	SPECIAL INSPECTOR	ASTM A476 GR. 60
3	ANCHOR BOLTS BOLT SIZE AND LENGTHS INSTALLATION	SPECIAL INSPECTOR	ASTM F1554 GR. 35
4	CONCRETE TEST SPECIMENS PLACEMENT OF CONCRETE	SPECIAL INSPECTOR	FC-4000 PSI TYPE I CEMENT

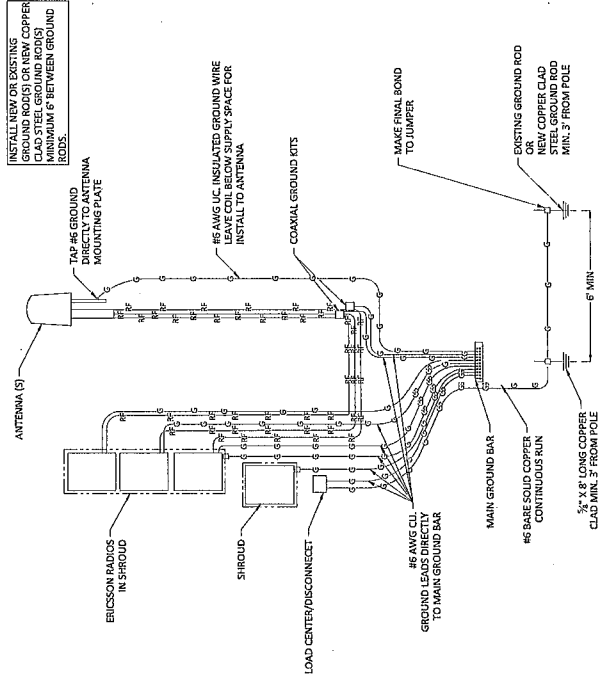




EXISTING POLE
SCALE: NOT TO SCALE



WIRING DIAGRAM
SCALE: NOT TO SCALE



GROUNDING DIAGRAM
SCALE: NOT TO SCALE

PLANS PREPARED FOR: extenet SYSTEMS		PLANS PREPARED BY: UC/SYNERGETIC 21 OXFORD RD MAIMFIELD, MA 02145 508-837-7650 www.uciop.com		FOR PERMITTING PURPOSES ONLY		LOCATION: 546 BROADWAY SOMERVILLE, MA 02145 MIDDLESEX COUNTY		P.E. STAMP AREA:	
DRAWING NOTES:		ORIGINAL PLAN: SCALE: AS NOTED DRAWN BY: EP PLAN ORG. DATE: 07/25/19		REVISIONS:		SITE INFO: LAT: 42.398328° LONG: -71.107695° CRAN ID: CRAN_RCTB_2HA4_041 EXTENET NODE ID: NE-MA-85TSSC01-00041 SITE ADDRESS: 546 BROADWAY SHEET TITLE: GROUNDING & WIRING DIAGRAMS SHEET NUMBER:		D-4	

546 Broadway

List of Abutters for Grant of Location

Assessor Parcel	Property Address	Abutter Name	Abutter Mailing Address
32-K-1	546 Broadway	City of Somerville Trum Field	93 Highland Ave. Somerville, MA 02143
32-A-1	565 Broadway	Charles Zammuto, Trustee of 1359 Realty Trust	11 Placid Rd. Newton, MA 02459
32-A-2			
32-A-3-A1	561 Broadway	Drew & Wayne Busa	561 Broadway, #561A-1 Somerville, MA 02145
32-A-3-A2	561 Broadway	Casey Titus	561 Broadway, #2 Somerville, MA 02145
32-A-3-A3	561 Broadway	Matthew Bacigalupo c/o Alice Y. Zhang	561 Broadway, #561A-3 Somerville, MA 02145