



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

BUSINESS LICENSE APPLICATION - Grant of Location

File #: 19-013859

License #: BL19-000072

Address: 411 SOMERVILLE 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 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 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: Install a small cell wireless facility on a replacement single pendant style light pole of the same height, utilizing a steel "look alike" pole painted to match the existing pole. The principal elements of the proposed facility are an antenna housed in a 24" long, 10" diameter shroud at the top of the pole and three radios in a shroud mounted on the pole approximately 13' 6" +- above the ground. 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 and will be installed in the same location. This proposal maintains the existing bollards and appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

Approval Conditions:

Approved By:

John J. Long, Approved

Kevin Roche, Approved

John J. Long, Approved

Email Extenet
+
Councillor J.T. Scott



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

JOHN J. LONG
CITY CLERK

October 2, 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 existing streetlight pole and install a small cell wireless antenna on a new streetlight pole located northwest of Quincy Street and Somerville Avenue.

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

TIME: Thursday, October 10, 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

9_15 411 Somerville Ave.

Extenet proposes to install a small cell wireless facility on a replacement single pendant style light pole of the same height, utilizing a steel "look alike" pole painted to match the existing pole. The principal elements of the proposed facility are an antenna housed in a 24" long, 10" diameter shroud at the top of the pole and three radios in a shroud mounted on the pole approximately 13' 6" +/- above the ground. 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 and will be installed in the same location. This proposal maintains the existing bollards and 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

CAN ID / EXTENET ID:
CRAN_RCTB_00009_15/NE-MA-CMARD3M1-09_15

LATITUDE / LONGITUDE:
42.381837 / -71.101338

SITE ADDRESS:
**411 SOMERVILLE AVE
 CITY, STATE, ZIP:
 SOMERVILLE, MA 02143**

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

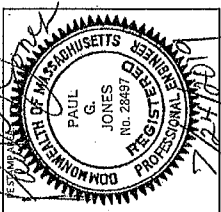
NOTE:
 GENERAL CONTRACTOR IS REQUIRED TO CROSS CHECK COORDINATES, EXHIBIT PHOTO, AERIAL PHOTO
 AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND, CONCERNS OR
 QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO ASSIGNED EXTENET PROJECT MANAGER.

PLANS PREPARED FOR:
exenet
 SYSTEMS

PLANS PREPARED BY:
US/SYNERGETIC
 21 OXFORD RD
 MANCHESTER, MA 02448
 238-837-9200

**FOR PERMITTING
 PURPOSES ONLY**

LOCATION:
 411 SOMERVILLE AVE
 SOMERVILLE, MA 02143
 MIDDLESEX COUNTY



DRAWING NOTES:

ORIGINAL PLAN:
 SCALE: AS NOTED
 DRAWN BY: JH
 PLAN ORG. DATE: 07/02/19

REV	DESCRIPTION	BY	DATE
1	NEW TEMPLATE	MS	2/21/19
2	UPDATED ADDRESS INFO	AC	07/17/19

SITE INFO:
 LAT: 42.381837
 LONG: -71.101338

CRAN ID:
CRAN_RCTB_00009_15

EXTENET NODE ID:
NE-MA-CMARD3M1-09_15

SITE ADDRESS:
411 SOMERVILLE AVE

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

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 ELECTRICAL SAFETY CODE
 MA REGULATIONS ON CONSTRUCTION
 LOCAL BUILDING / PLANNING CODE

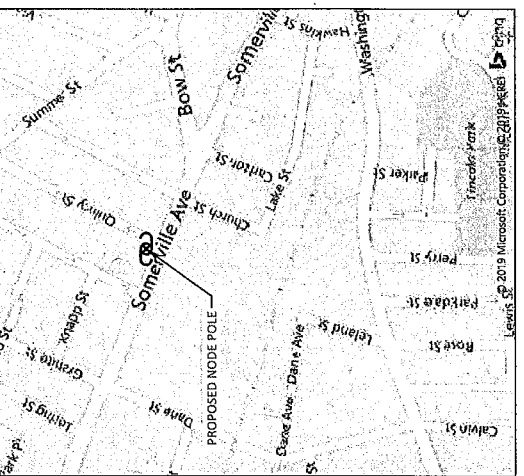
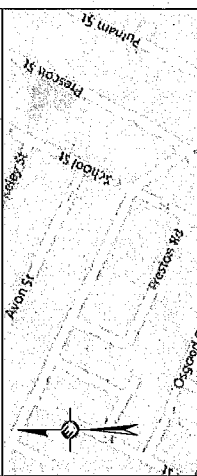
DRAWING INDEX

SHEET NO.	TITLE SHEET
T-1	TITLE SHEET
SP-1	SITE PLAN & EXHIBIT PHOTO
SP-2	ADA SITE PLAN
EV-1	ELEVATION SIDE VIEW
EV-2	ELEVATION REAR VIEW
AT-1	ANTENNA DETAILS
RS-1	RADIO SHROUD DETAILS
CF-1	CONCRETE FOUNDATION
GW-1	GROUNDING & WIRING DIAGRAIR
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES

LOCATION MAPS

VICINITY MAP SCALE: 1" = 50'

REGIONAL MAP SCALE: 1" = 500'



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_00009_15
EXTENET NODE ID:	NE-MA-CMARD3M1-09_15
LATITUDE:	42.381837
LONGITUDE:	-71.101338
SITE ADDRESS:	411 SOMERVILLE AVE
CITY, STATE, ZIP:	SOMERVILLE, MA 02143
COUNTY:	MIDDLESEX
JURISDICTION:	SOMERVILLE
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	EXTENET SYSTEMS 876 HAMMOND ST CHESTNUT HILL, MA 02467 (617) 232-4154


ENGINEER

RICK ANGELINI
 3030 WARRENVILLE RD
 SUITE 940
 LISLE, IL 60532
 NOC: (866) 892-5327

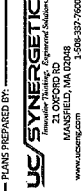
DO NOT SCALE DRAWINGS

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.

PLANS PREPARED FOR:



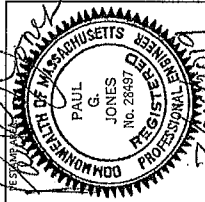
PLANS PREPARED BY:



MANCHESTER, MA 02108
3506-587-7000

FOR PERMITTING PURPOSES ONLY

LOCATION:
411 SOMERVILLE AVE
SOMERVILLE, MA 02143
MIDDLESEX COUNTY



DATE: 12/24/09

SCALE:	AS NOTED
DRAWN BY:	JR
PLAN ORG. DATE:	02/01/09
REVISIONS:	BY DATE
1	NEW TEMPLATE MS 12/24/09
2	UPDATED ADDRESS INFO AC 02/27/09

STATIONING:
LAT: 42 281837
LONG: -71.101338

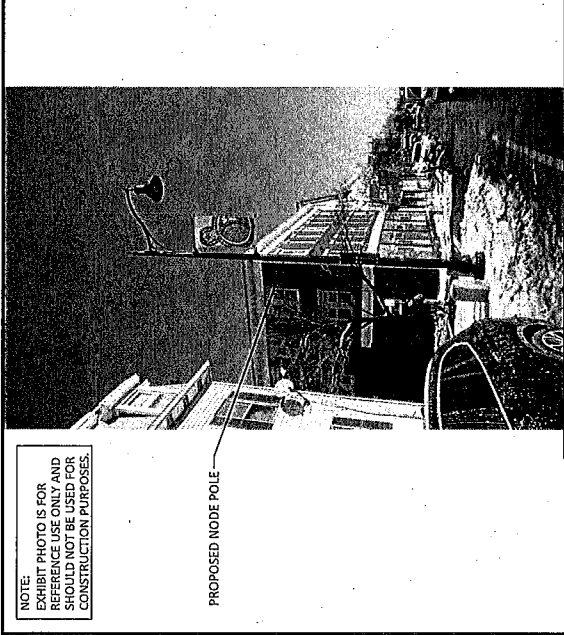
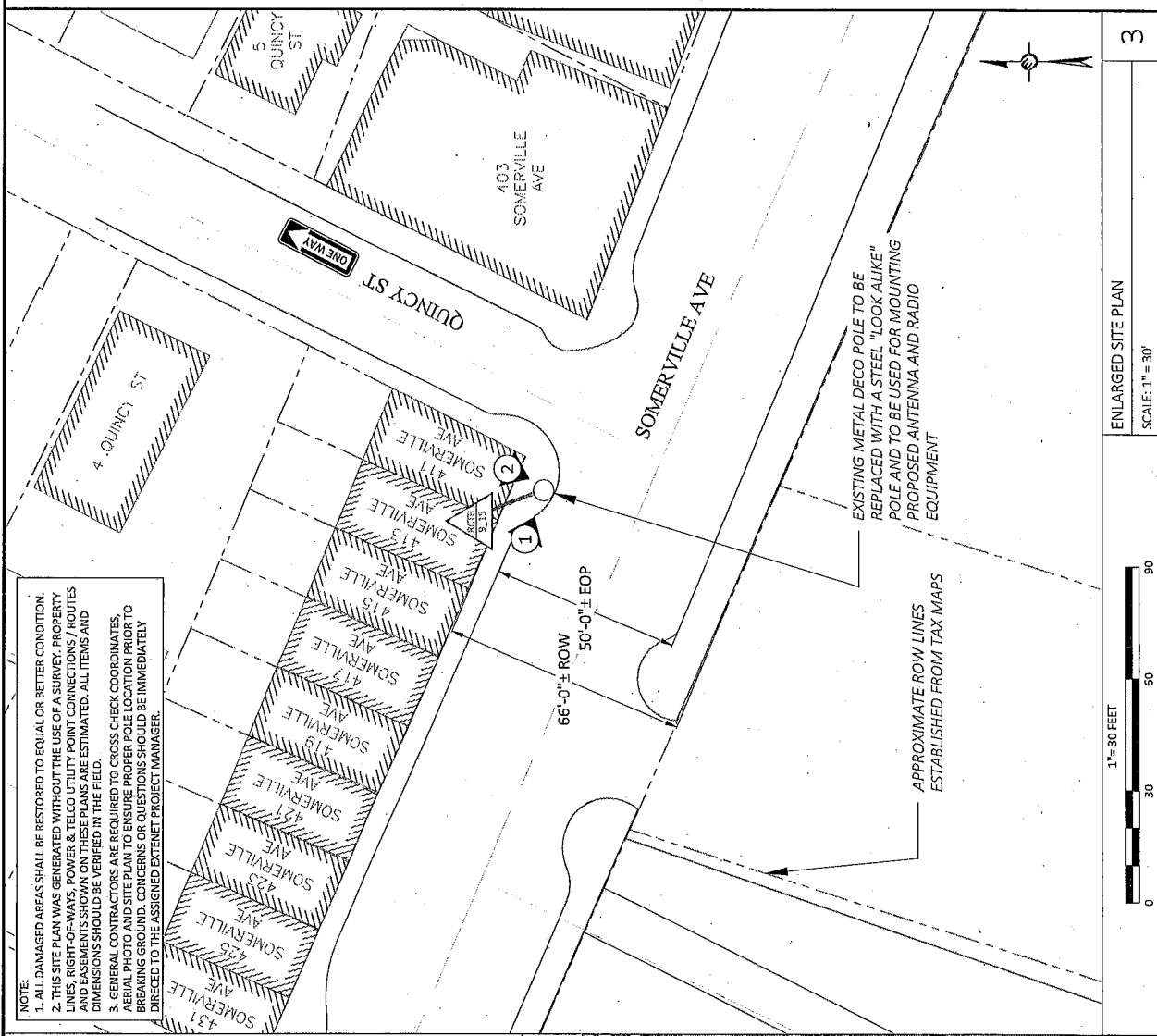
CAD FILE:
CRAN_RCTB_00009_15

EXTENET NODE ID:
NE-MA-CMARD3M1-09_15

SITE ADDRESS:
411 SOMERVILLE AVE

SHEET TITLE:
SITE PLAN & EXHIBIT PHOTO

SHEET NUMBER:
SP-1



PLANS PREPARED FOR: **extenet** YOUR SITE. ANYWHERE. SYSTEMS

PLANS PREPARED BY: **US/SYNERGETIC**
 Professional Planning, Engineering, Architecture
 MANCHESTER, MA 02108
 www.usenet.com 1-508-337-7600

FOR PERMITTING PURPOSES ONLY

LOCATION: 411 SOMERVILLE AVE
 SOMERVILLE, MA 02143
 MIDDLESEX COUNTY

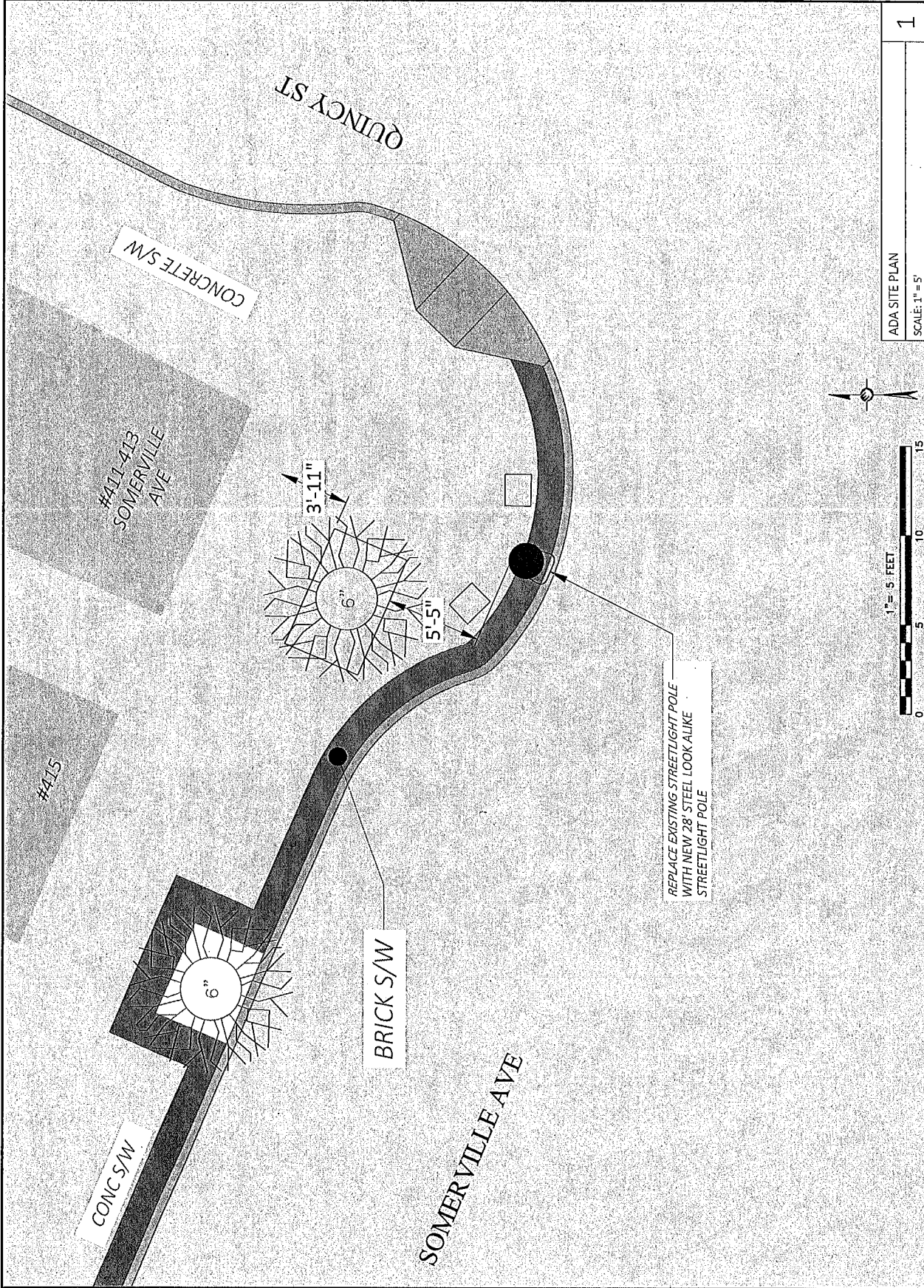
REGISTERED PROFESSIONAL ENGINEER
 COMMONWEALTH OF MASSACHUSETTS
 PAUL G. JONES
 No. 22837
 REGISTERED PROFESSIONAL ENGINEER
 7/27/19

DRAWING NOTES:

SCALE:	AS NOTED
DRAWN BY:	JR
PLAN ORIG. DATE:	02/02/19

REV.	DESCRIPTION	BY	DATE
1	NEW RESURFACE	MS	12/15/18
2	UPGRADED ADDRESS MARK	AC	07/27/19

SITE INFO:
 LAT: 42.581837
 LONG: -71.011338
 CRAN_ID: CRAN_RCTB_00009_15
 EXTENT NUMBER ID: NE-MA-CMARDSM1-09_15
 SITE ADDRESS: 411 SOMERVILLE AVE
 SHEET TITLE: ADA SITE PLAN
 SHEET NUMBER: SP-2



ADA SITE PLAN
 SCALE: 1" = 5'



1

PLANS PREPARED FOR:

exenet
SYSTEMS

PLANS PREPARED BY:

US SYNERGISTIC
21 OXFORD RD
MANSFIELD, MA 02048
www.usynergistic.com 508-337-7600

FOR PERMITTING PURPOSES ONLY

LOCATION:
411 SOMERVILLE AVE
SOMERVILLE, MA 02143
MIDDLESEX COUNTY

PAUL G. JONES
REGISTERED PROFESSIONAL ENGINEER
No. 28487
COMMONWEALTH OF MASSACHUSETTS
REGISTERED PROFESSIONAL ENGINEER

DRAWING NOTES:

ORIGINAL PLAN	AS NOTED
SCALE	1/8"
DRAWN BY:	JR
PLAN ORG. DATE:	07/02/19
REVISIONS:	BY DATE
1	NEW TEMPLATE MS 2/21/19
2	UPDATED ADDRESS INFO AC 07/17/19

SITE INFO:
LAT: 42.381837
LONG: -71.101338

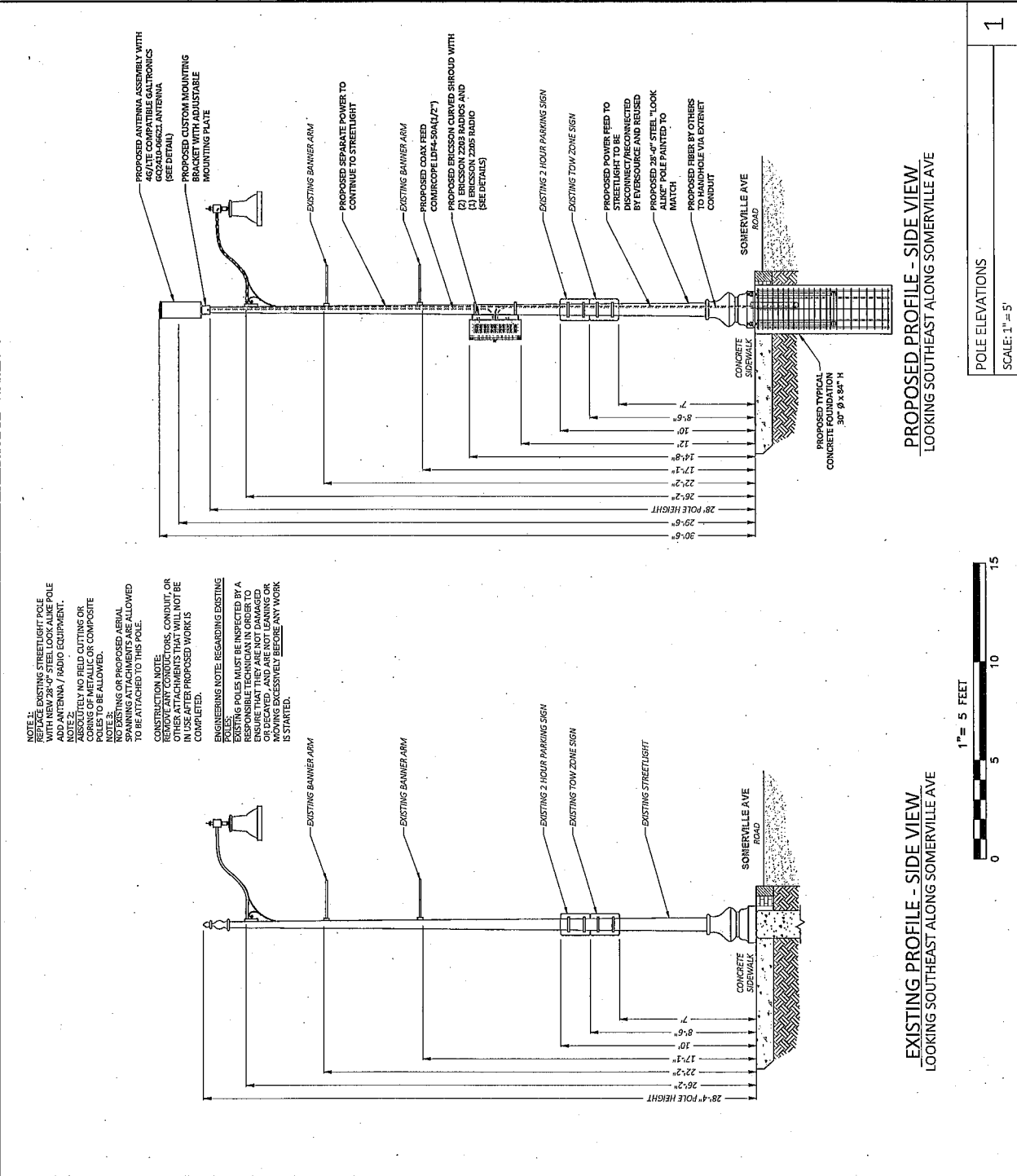
CRAN ID:
CRAN_RCTB_00009_15

EXENET NODE ID:
NE-MA-CWARD3M1-09_15

SITE ADDRESS:
411 SOMERVILLE AVE

SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:
EV-1



DRAWINGS NOTES:

NOTE 1:
REPLACE EXISTING STREETLIGHT POLE WITH NEW 28'-0" STEEL LOOK-ALIKE POLE WITH PENNY / RAINO EQUIPMENT.
NOTE 2:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
NOTE 3:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.
CONSTRUCTION NOTE:
OTHER THAN THE CABLES, CONDUIT OR OTHER ATTACHMENTS THAT SHALL 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 DETERMINE THE CONDITION OF THE POLES OR LEANS, AND ARE NOT LEANING OR MOVING EXCESSIVELY BEFORE ANY WORK IS STARTED.

NOTE 4:
20' MIN. WORKER SAFETY ZONE BETWEEN LOWEST POWER & HIGHEST COMMUNICATIONS CABLE IN ACCORDANCE WITH NESC REGULATIONS.
NOTE 5:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
NOTE 6:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
NOTE 7:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
NOTE 8:
PROPOSED EQUIPMENT SHALL BE INSTALLED NO HIGHER THAN 30' BELOW TELEPHONE UTILITY LINES.

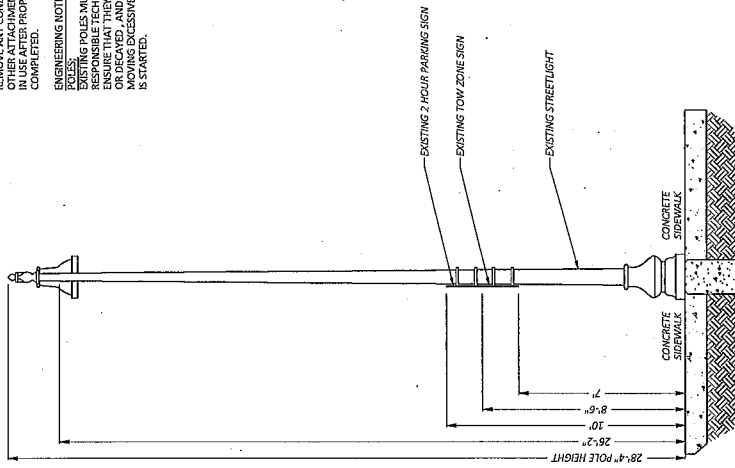
DRAWINGS NOTES:

- NOTE 1: 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.

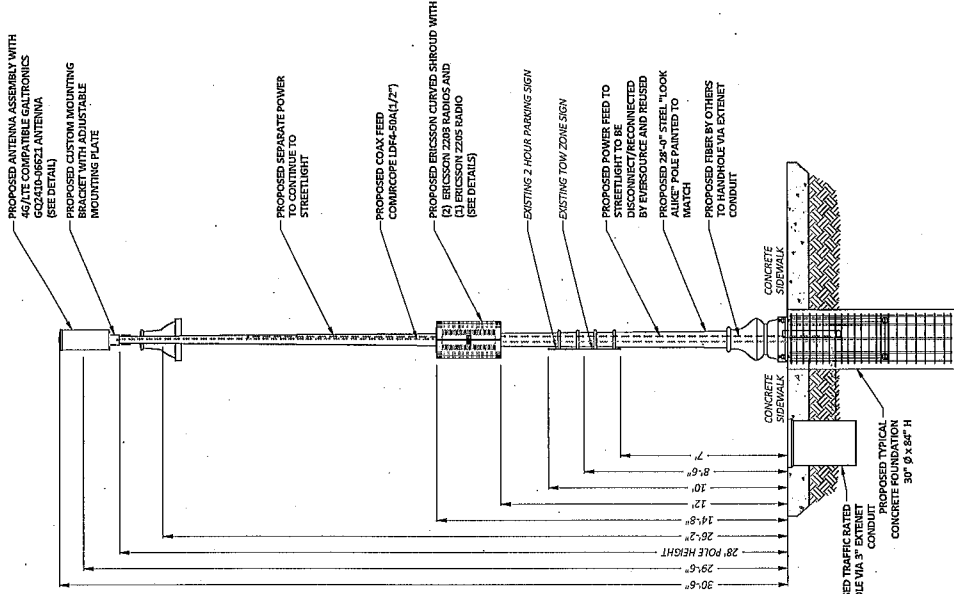
NOTE 1: REPLACE EXISTING STREETLIGHT POLE WITH NEW 28'-4" STEEL LOOK ALIKE POLE. ADD ANTENNA / RADIO EQUIPMENT. ASSEMBLY SHALL BE INSTALLED WITH NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED. NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.

CONSTRUCTION NOTE: REMOVE ANY CONDUCTORS, CONDUIT, OR OTHER ATTACHMENTS THAT WILL NOT BE COMPLETED. COMPLETE.

ENGINEERING NOTE: REGARDING EXISTING POLES, EXISTING POLES MUST BE INSPECTED BY A RESPONSIBLE TECHNICIAN IN ORDER TO DETERMINE THAT THE POLES ARE NOT DAMAGED AND THAT THERE ARE NO SPANNING ATTACHMENTS OR MOVING EXCESSIVELY BEFORE ANY WORK IS STARTED.



EXISTING PROFILE - REAR VIEW
LOOKING SOUTHWEST FROM QUINCY ST



PROPOSED PROFILE - REAR VIEW
LOOKING SOUTHWEST FROM QUINCY ST



POLE ELEVATIONS
SCALE: 1" = 5'

1

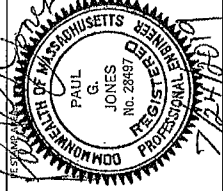
PLANS PREPARED FOR:



PLANS PREPARED BY:
US SYNERGETIC
21 LONDON RD
MANSFIELD, MA 02048
www.usynergetic.com
256-337-1600

FOR PERMITTING PURPOSES ONLY

LOCATION:
411 SOMERVILLE AVE
SOMERVILLE, MA 02143
MIDDLESEX COUNTY



DRAWING NOTES:

ORIGINAL PLAN: AS NOTED
SCALE: 1/8"
DRAWN BY: JR
PLAN ORG. DATE: 02/01/09

REV	DESCRIPTION	BY	DATE
1	NEW TEMPLATE	MS	2/22/09
2	UPDATED ADDRESS INFO	AC	07/17/09

UTM INFO:
LAT: 42.381837
LONG: -71.101338
CRAN ID: CRAN_RCTB_00009_15
EXTERNET NODE ID: NE-MA-CMARD3M1-09_15
SITE ADDRESS: 411 SOMERVILLE AVE
SHEET TITLE: POLE ELEVATIONS

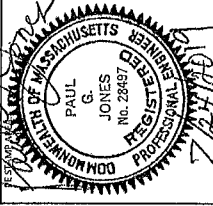
SHEET NUMBER:
EV-2

PLANS PREPARED FOR:
extenei
 SYSTEMS
 YOUR NETWORK EVERYWHERE

PLANS PREPARED BY:
US/SYNERGETIC
 Professional Planning, Engineering & Solutions
 1000 STATE STREET
 MANCHESTER, MA 02148
 www.usync.com
 1-800-937-7600

FOR PERMITTING PURPOSES ONLY

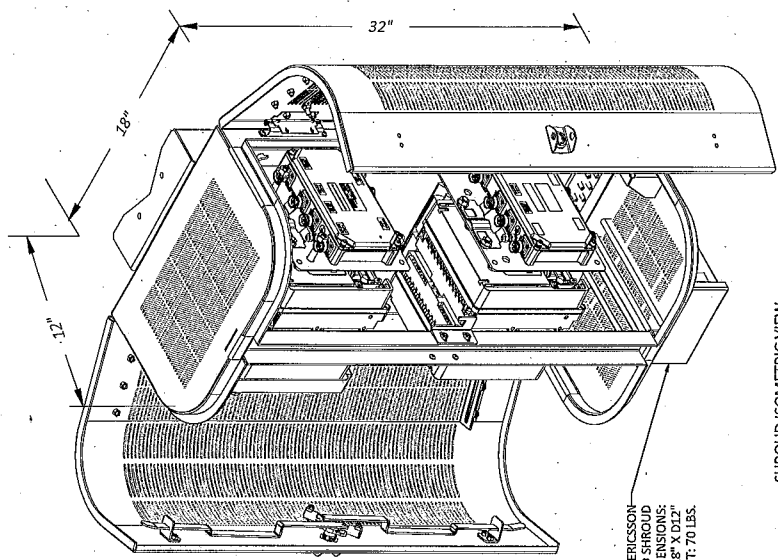
LOCATION:
 411 SOMERVILLE AVE
 SOMERVILLE, MA 02143
 MADOLESEK COUNTY



DRAWING NOTES:

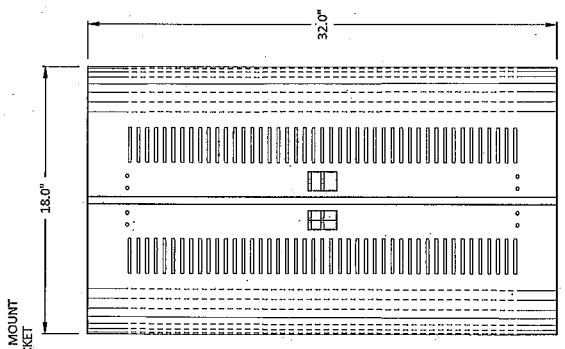
ORIGINAL PLAN:	AS NOTED		
SCALE:	JR		
DRAWN BY:			
PLANNING DATE:	02/02/19		
REVISIONS:			
REV	DESCRIPTION	BY	DATE
1	NEW DESIGN	JR	02/02/19
2	UPDATED ADDRESS INFO	JR	07/17/19

SITE INFO:
 LAT: 42.981887
 LONG: -71.101338
 GRAN ID:
 GRAN_RCTB_00009_15
 STREET NAME ID:
 NE-MA-CMARD3M1-09_15
 SITE ADDRESS:
 411 SOMERVILLE AVE
 SHEET TITLE:
 RADIO SHROUD
 SHEET NUMBER:
 RS-1

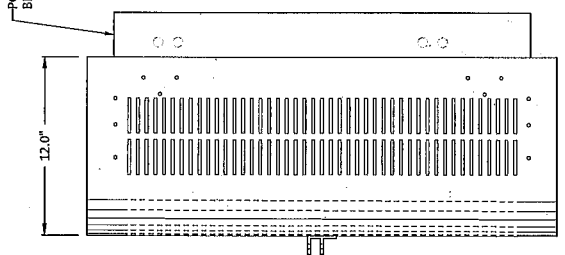


SHROUD ISOMETRIC VIEW

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

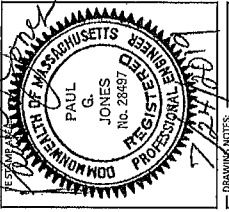
1

PLANS PREPARED FOR:
extenet
YOUR NETWORK. EVERYWHERE.
SYSTEMS

PLANS PREPARED BY:
UC SYNERGETIC
Professional Consulting & Engineering Solutions
1000 WASHINGTON ST.
MAUNSFIELD, MA 02748
www.uceng.com
1-508-337-7600

FOR PERMITTING PURPOSES ONLY

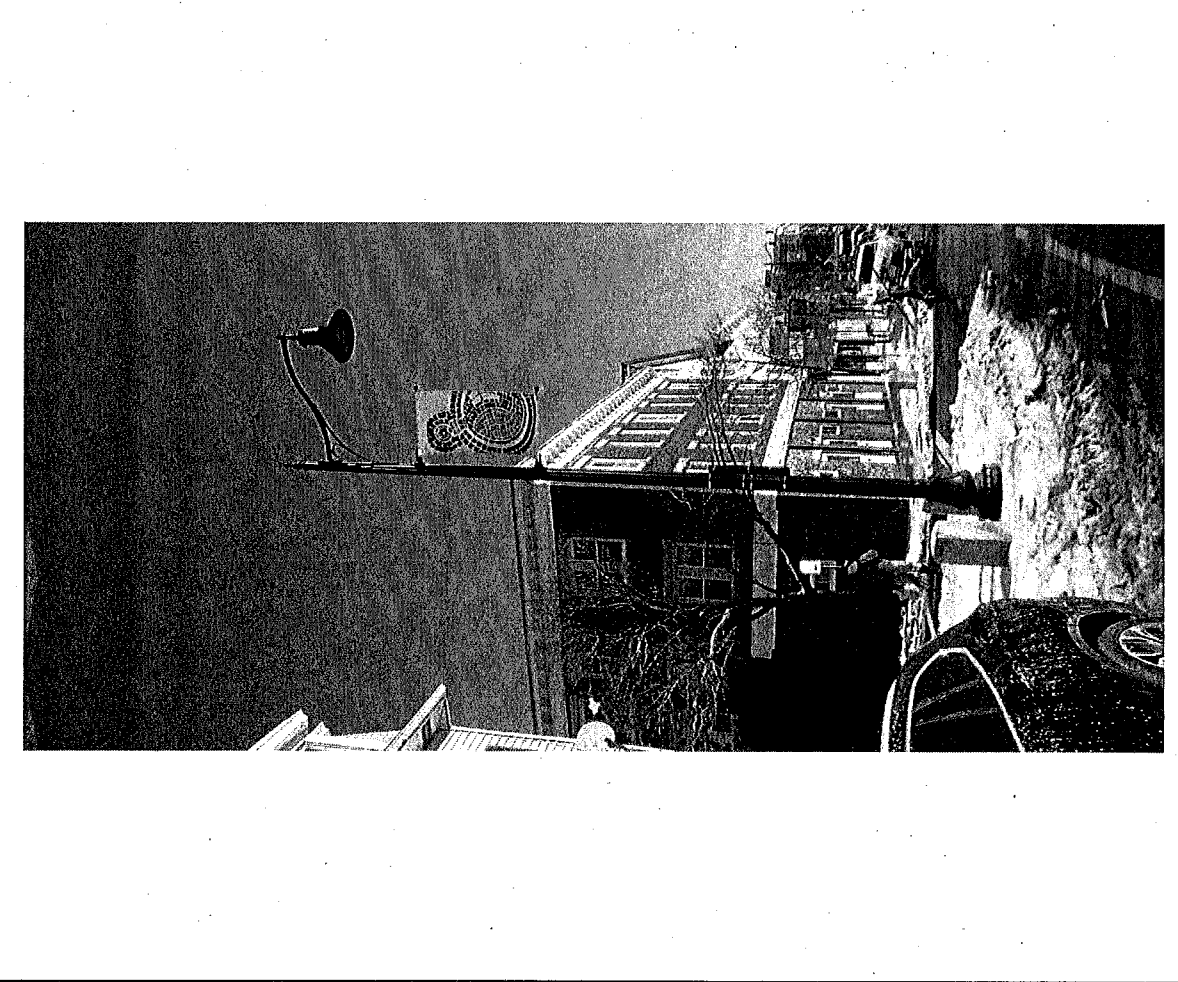
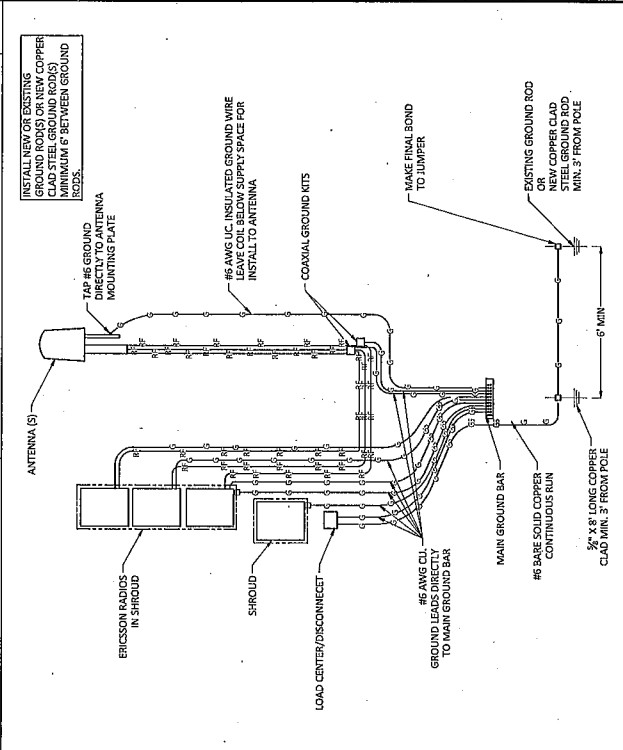
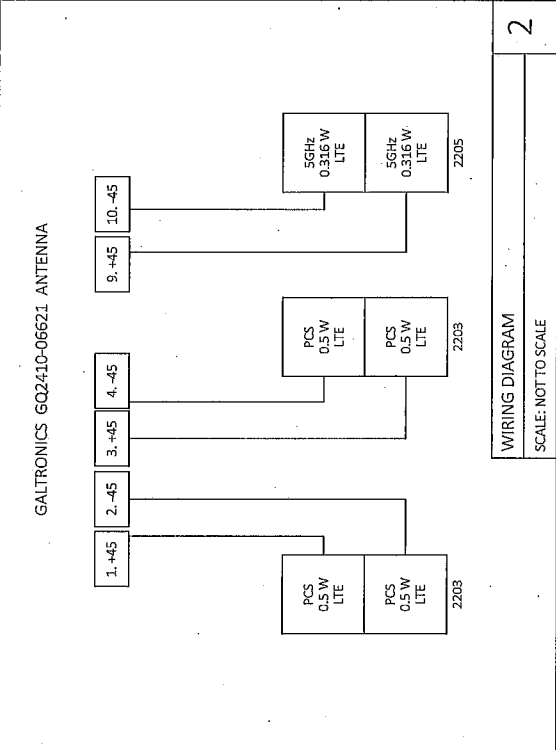
LOCATION:
411 SOMERVILLE AVE
SOMERVILLE, MA 02143
MIDDLESEX COUNTY



DRAWING NOTES:
7/21/15

SCALE:	AS NOTED
DRAWN BY:	JR
PLAN ORIG. DATE:	02/02/10
REVISIONS:	
1	DESCRIPTION: AS SHOWN
2	NEW WIRE
3	UPDATED ADDRESS INFO
4	AC 120V/20A
5	AC 120V/20A
6	AC 120V/20A
7	AC 120V/20A
8	AC 120V/20A
9	AC 120V/20A
10	AC 120V/20A
11	AC 120V/20A
12	AC 120V/20A
13	AC 120V/20A
14	AC 120V/20A
15	AC 120V/20A
16	AC 120V/20A
17	AC 120V/20A
18	AC 120V/20A
19	AC 120V/20A
20	AC 120V/20A

SITE INFO:
LAT: 42.381837
LONG: -71.101338
CRAN ID:
CRAN_RCTB_00009_15
EXEMPT NOSE IS:
NE-MA-CNARDBM1-09_15
SITE ADDRESS:
411 SOMERVILLE AVE
SHEET TITLE:
GROUNDING & WIRING DIAGRAM
SHEET NUMBER:
GW-2



Abutting Properties for
411 SOMERVILLE AVE SOMERVILLE, MA
63/ A/ 19/ /
(50 feet)

Location:
63/ B/ 21/ /
405 SOMERVILLE AVE
Owner:
TRUST QUINCY-HIGHLAND LOWELL RL
ROSEMARY NOLAN TRUSTEE
P O BOX 440361
SOMERVILLE, MA 02144

Location:
63/ A/ 19/ /
411 SOMERVILLE AVE
Owner:
IBRAHIM IBRAHIM
5 PEPPER HILL DR
WINCHESTER, MA 01890

Location:
63/ A/ 20/ /
415 SOMERVILLE AVE
Owner:
BAGHDADY SAMIR S
47 WALNUT ST
BELMONT, MA 02478