



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

BUSINESS LICENSE APPLICATION - Small Wireless Facility

File #: 19-013903

License #: BL19-000077

Address: 701 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:

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

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.

Provide the detailed description of the work that should appear on the License: Install a small cell wireless facility on a replacement cobra style light pole of 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, 10" diameter shroud at the top of the pole and three radios in a shroud mounted on the pole approximately 14' 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.

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

John Power, Approved

Mark Lawhorne, Approved

John J. Long, Approved

CAN ID / EXTENET ID:
CRAN_RCTB_2HA4_039/NE-MA-BSTBSC01-00039

LATITUDE / LONGITUDE:
42.39984105° / -71.11169211°

SITE ADDRESS:
701 BROADWAY
CITY, STATE, ZIP:
SOMERVILLE, MA 02155



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 TO INSTALL THE FACILITY. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE TO THE ENVIRONMENT. NO SANITARY SEWER SERVICE, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE.

SITE INFORMATION

CAN ID:	CRAN_RCTB_2HA4_039
EXTENET NODE ID:	NE-MA-BSTBSC01-00039
LATITUDE:	42.39984105°
LONGITUDE:	-71.11169211°
SITE ADDRESS:	701 BROADWAY
CITY, STATE ZIP:	SOMERVILLE, MA 02155
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

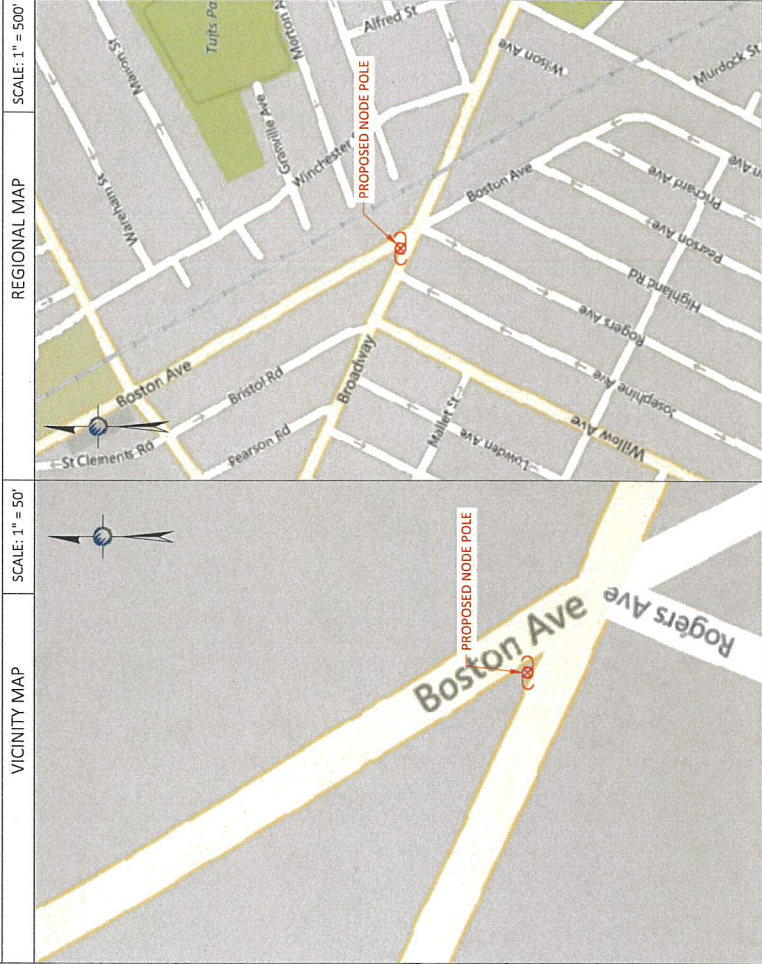
ENGINEER

RICK ANGELINI
3030 WARRENVILLE RD
SUITE 340
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.

LOCATION MAPS



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.	SHEET TITLE
T-1	TITLE SHEET
A-1	SITE PLAN & EXHIBIT PHOTO
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

PLANS PREPARED FOR:	extenet YOUR NETWORK EVERYWHERE SYSTEMS		
PLANS PREPARED BY:	UC SYNERGETIC 21 OXFORD RD MANSFIELD, MA 02048 www.ucsynerg.com 1.508.337.7620		
LOCATION:	701 BROADWAY SOMERVILLE, MA 02155 MIDDLESEX COUNTY		
P.E. STAMP AREA:			
ORIGINAL PLAN:	SCALE: AS NOTED		
DRAWN BY:	MS		
PLAN ORG. DATE:	2/27/19		
REVISIONS:			
REV.	DESCRIPTION	BY	DATE
1	UPDATED ADDRESS INFO	AC	07/07/19
2	UPDATED ADDRESS	LS	9-24-19
3	UPDATED LUMINAIRE ARM	GL	03/16/20
SITE INFO: LAT: 42.39984105° LONG: -71.11169211°			
CRAN ID: CRAN_RCTB_2HA4_039			
EXTENET NODE ID: NE-MA-BSTBSC01-00039			
SITE ADDRESS: 701 BROADWAY			
SHEET TITLE: TITLE SHEET			
SHEET NUMBER: T-1			



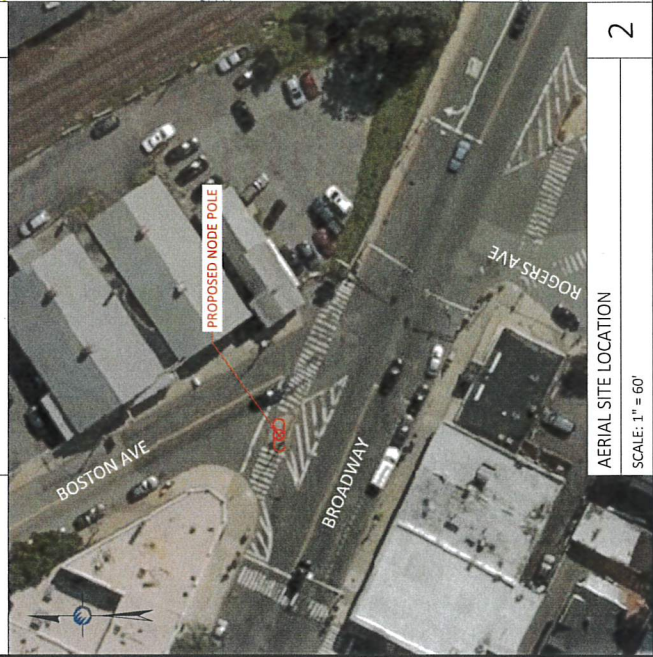
NOTE:
EXHIBIT PHOTO IS FOR
REFERENCE USE ONLY AND
SHOULD NOT BE USED FOR
CONSTRUCTION PURPOSES.

PROPOSED NODE POLE

EXHIBIT PHOTO

SCALE: NOT TO SCALE

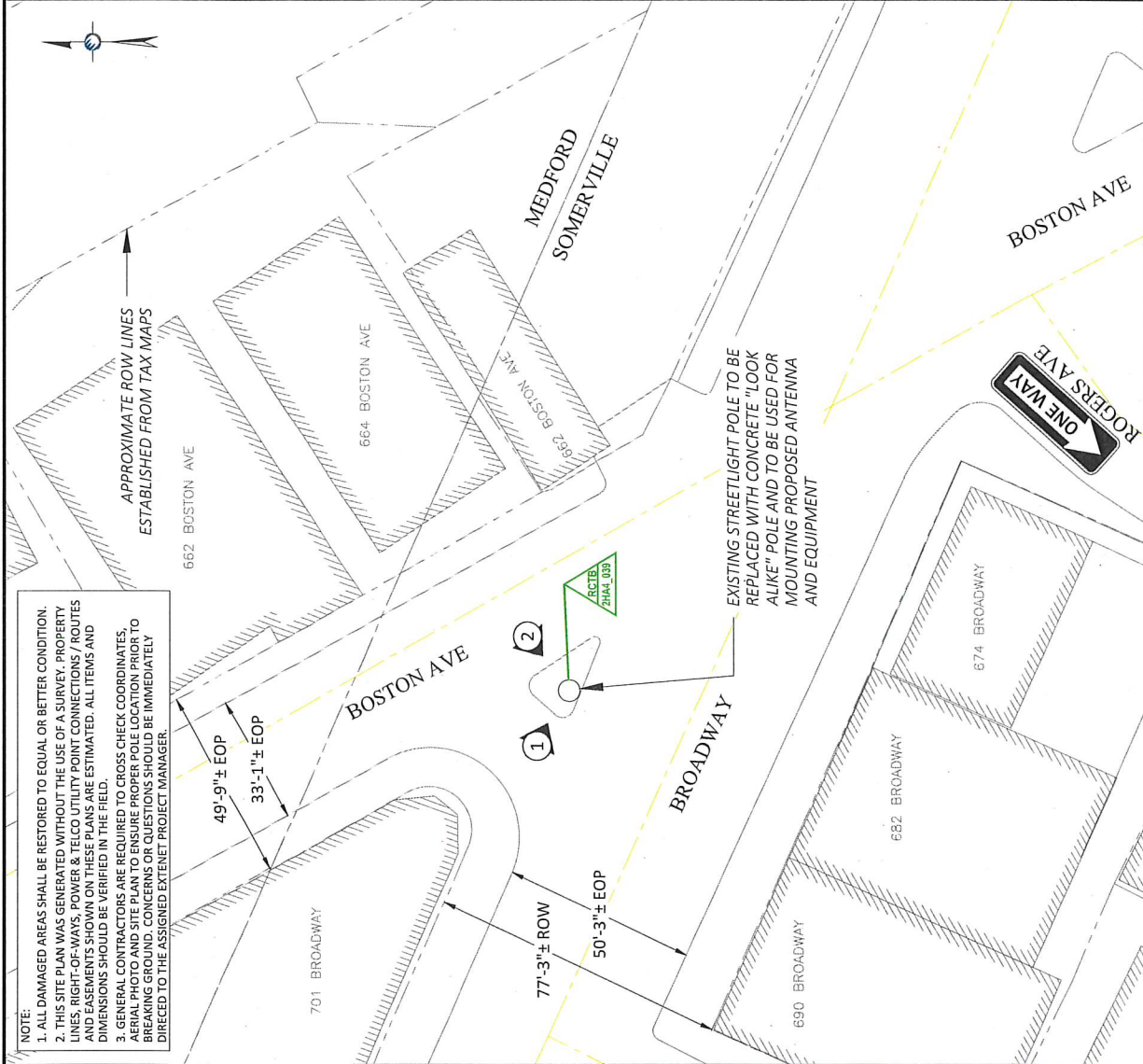
1



AERIAL SITE LOCATION

SCALE: 1" = 60'

2



ENLARGED SITE PLAN

SCALE: 1" = 30'

3

PLANS PREPARED FOR:			
PLANS PREPARED BY:			
21 OXFORD RD WASHINGTON, MA 01886 508-337-7600 www.ucsynergistic.com		LOCATION: 701 BROADWAY SOMERVILLE, MA 02155 MIDDLESEX COUNTY	
P.E. STAMP AREA:		DRAWING NOTES:	
ORIGINAL PLAN	AS NOTED		
SCALE:	DATE:		
DRAWN BY:	DATE:		
PLAN ORG. DATE:	DATE:		
REVISIONS:		BY DATE	
REV	DESCRIPTION	BY	DATE
1	UPDATED ADDRESS INFO	AC	07/17/19
2	UPDATED ADDRESS	LS	9-24-19
3	UPDATED LUNNARE ARM	GL	03/16/20
SITE INFO:		LAT: 42.39984105° LONG: -71.11169211° CRAN ID: CRAN_RCTB_2HA4_039 EXTENET NODE ID: NE-MA-BSTBSC01-00039 SITE ADDRESS: 701 BROADWAY SHEET TITLE: SITE PLAN & EXHIBIT PHOTO SHEET NUMBER: A-1	

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.

ABSOLUTELY NO DRILLING, CORNING, CUTTING, WELDING OF METAL POLES TO BE ALLOWED.
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.

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

ENGINEERING NOTE: REGARDING EXISTING POLES:
IT IS THE RESPONSIBILITY OF THE FIELD TECHNICIAN IN ORDER TO ENSURE THAT THEY ARE NOT DAMAGED OR DEGRADED, AND ARE NOT LEANING OR MOVING EXCESSIVELY BEFORE ANY WORK IS STARTED.



1 PROPOSED PROFILE - SIDE VIEW
LOOKING SOUTHEAST ALONG BROADWAY

1" = 5 FEET

0 5 10 15

PLANS PREPARED BY: **UC SYNERGETIC**
Innovative Thinking. Engineered Solutions.
21 OXFORD RD
MANSFIELD, MA 02048
www.ucsynerg.com
1-508-337-7600

LOCATION: 701 BROADWAY
SOMERVILLE, MA 02155
MIDDLESEX COUNTY

P.E. STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN:		AS NOTED	
SCALE:	DRAWN BY:	MS	
PLAN ORIG. DATE:		2/27/19	
REVISIONS:			
REV	DESCRIPTION	BY	DATE
1	UPDATED ADDRESS INFO	AC	07/17/19
2	UPDATED ADDRESS	LS	9-24-19
3	UPDATED LUMINAIRE AIM	GL	03/16/20

SITE INFO: AT: 42.39984105° LONG: -71.1169211°	TRAN ID: TRAN_RCTB_2HA4_039	XITEM NODE ID: E-MA-BSTBC01-00039	ITE ADDRESS: 701 BROADWAY	SHEET TITLE: POLE ELEVATIONS
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SHEET NUMBER:

A-2

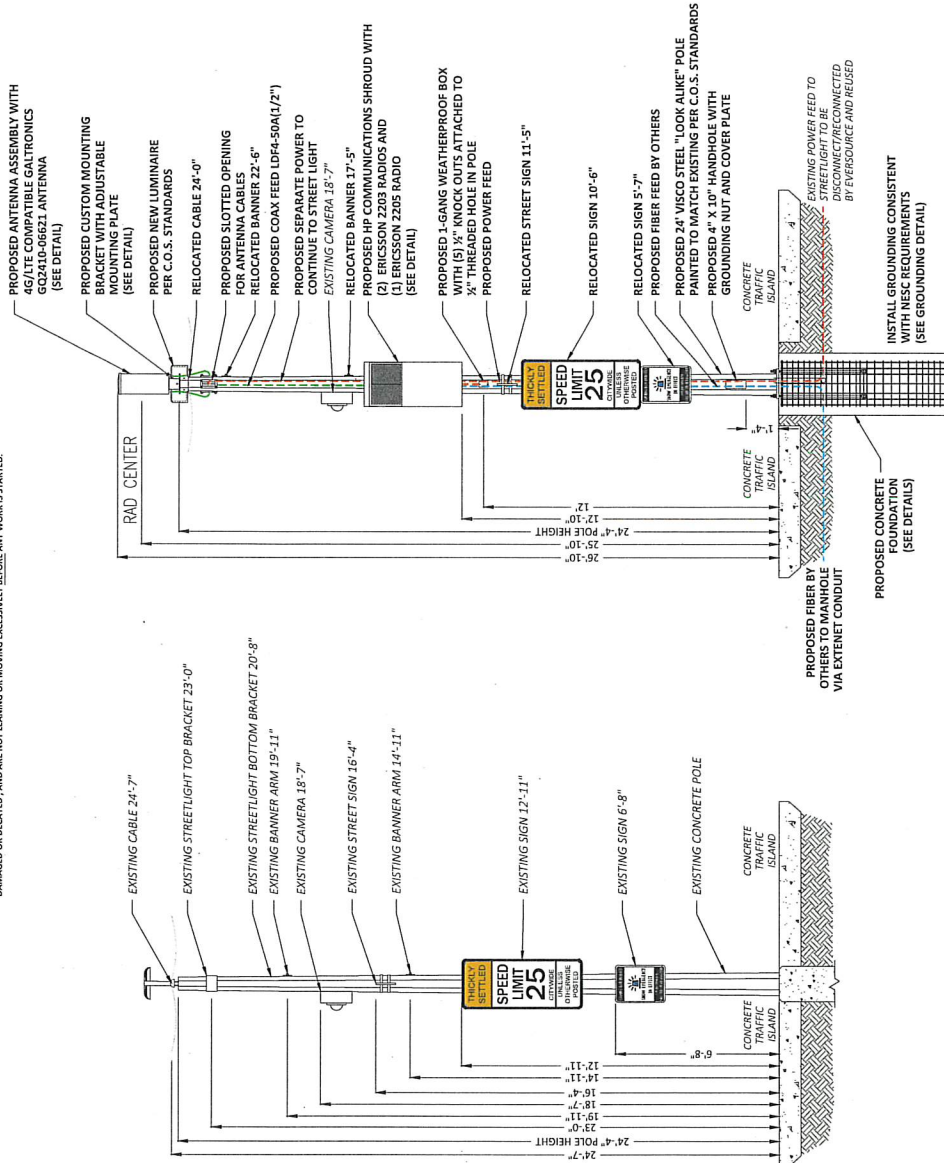
DRAWINGS NOTES:

- 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:

ABSOLUTELY NO DRILLING, CORING, CUTTING, UNLOADING OF METAL 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 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 WEARIED, AND ARE NOT LEAKING OR MISSING INSULATION. ANY WORK IS STARTED.



② EXISTING PROFILE - REAR VIEW
LOOKING SOUTHWEST TOWARD BROADWAY

② EXISTING PROFILE - REAR VIEW
LOOKING SOUTHWEST TOWARD BROADWAY



PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

701 BROADWAY
SOMERVILLE, MA 02155
MIDDLESEX COUNTY

P.E. STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN:	AS NOTED
SCALE:	MS
DRAWN BY:	MS
PLAN ORG. DATE:	2/27/19

REV.	DESCRIPTION	BY	DATE
1	UPDATED ADDRESS INQ	AC	9/27/19
2	UPDATED ADDRESS	LS	9-24-19
3	UPDATED LUMINAIRE ARM	GL	9/26/20

SITE INFO:	LAT: 42.39984105° LONG: -71.11169211°
GRAN ID:	CRAN_RCTB_2HA4_039
EXTENET NODE ID:	NE-MA-BSTB5C01-00039
SITE ADDRESS:	701 BROADWAY
SHEET TITLE:	POLE ELEVATIONS

SHEET NUMBER:	A-3
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[illegible]

PLANS PREPARED FOR:
extenei
YOUR NETWORK
EVERYWHERE
SYSTEMS

PLANS PREPARED BY:
UC SYNERGETIC
21 OXFORD RD
MIDDLESEX, MA 02155
www.ucsyn.com
508-337-7560

LOCATION:
701 BROADWAY
SOMERVILLE, MA 02155
MIDDLESEX COUNTY

P.E. STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN:
SCALE: AS NOTED
DRAWN BY: MS
PLAN ORIG. DATE: 3/27/19

REVISIONS:

REV	DESCRIPTION	BY	DATE
1	UPDATED ADDRESS INFO	AC	07/17/19
2	UPDATED ADDRESS	LS	9-24-19
3	UPDATED LUMINAIRE ARM	GL	03/16/20

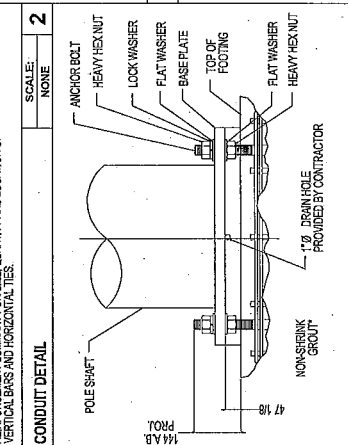
SITE INFO:
LAT: 42.39984105°
LONG: -71.11169211°
CRAN ID:
CRAN_RCTB_2HAA_039
EXTENT NO: 00
NE-MA-BSTBC01-00039
SITE ADDRESS:
701 BROADWAY
SHEET TITLE:
RADIO SHROUD DETAILS
SHEET NUMBER:

HP COMMUNICATIONS SHROUD
6.48 CUBIC FEET
SCALE: NTS

HP COMMUNICATIONS SHROUD - 6.48 CUBIC FEET

1

SCALE: NOT TO SCALE



SHEET NUMBER: **D-3**