



CITY OF SOMERVILLE

Commonwealth of Massachusetts

93 Highland Avenue

Somerville, MA 02143

(617) 625-6600

BUSINESS LICENSE APPLICATION - Grant of Location

File #: 19-013865

License #: BL19-000075

Address: 75 MYSTIC 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 double 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 located adjacent to it. This proposal maintains 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

Utility
+
Matthew McLaughlin



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 on Revolution Drive adjacent to 75 Mystic Ave.

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_04 75 Mystic Ave.

Extenet proposes to install a small cell wireless facility on a replacement double 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 located adjacent to it. 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

CAN ID / EXTENET ID: CRAN_RCTB_00009_04/NE-MA-CMARD3M1-09_04

LATITUDE / LONGITUDE: 42.390678° / -71.080699°

SITE ADDRESS: 75 MYSTIC AVE
 CITY, STATE, ZIP: SOMERVILLE, MA 02145

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



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_04
EXTENET NODE ID:	NE-MA-CMARD3M1-09_04
LATITUDE:	42.390678°
LONGITUDE:	-71.080699°
SITE ADDRESS:	75 MYSTIC AVE
CITY, STATE, ZIP:	SOMERVILLE, MA 02145
COUNTY:	MIDDLESEX
JURISDICTION:	SOMERVILLE
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	EXTENET SYSTEMS 876 HAMMOND ST CHESTNUT HILL, MA 02467 (617) 332-4154

ENGINEER

RICK ANGELO
 3080 WARRINVILLE RD
 LISLE, IL 60542
 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.



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.

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
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 DIAGRAMS
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES

PLANS PREPARED FOR: extenete YOUR STRONGEST SYSTEMS	PLANS PREPARED BY: US/SYNERGETIC A Division of Extenet, Registered Subcontractor MANCHESTER, MA 02828 www.us-synergetic.com 5-086-837-7500	FOR PERMITTING PURPOSES ONLY	LOCATION: 75 MYSTIC AVE SOMERVILLE, MA 02145 MIDDLESEX COUNTY	PAUL G. JONES REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS No. 28497	DRAWING NOTES:	ORIGINAL PLAN: SCALE: DRAWN BY: J.R. AS NOTED	DATE: 02/04/25	REV: 1 DESCRIPTION: NEW POINT DATE: 01/28/25 BY: J.R.	REV: 2 DESCRIPTION: RELOCATION UPDATE DATE: 01/28/25 BY: J.R.	REV: 3 DESCRIPTION: UPDATED ADDRESS IN CAD DATE: 01/27/25 BY: J.R.	REV: 4 DESCRIPTION: UPDATED STREET NAME DATE: 1/24/25 BY: J.R.	SITE INFO: LAT: 42.390678° LONG: -71.080699°	CRAN ID: CRAN_RCTB_00009_04	EXTENET NODE ID: NE-MA-CMARD3M1-09_04	SITE ADDRESS: 75 MYSTIC AVE	SHEET TITLE: TITLE SHEET	SHEET NUMBER: T-1
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PLANS PREPARED FOR
exfenet SYSTEMS
 COMMUNICATIONS NETWORKS
 21 OXFORD RD
 MIDDLESEX COUNTY, MA 02145
 WWW.EXFENET.COM

PLANS PREPARED BY:
UC SYNERGETIC
 21 OXFORD RD
 MIDDLESEX COUNTY, MA 02145
 WWW.UCSYNERGETIC.COM

FOR PERMITTING PURPOSES ONLY

LOCATION:
 75 MYSTIC AVE
 SOMERVILLE, MA 02145
 MIDDLESEX COUNTY

PAUL G. JONES
 No. 28491
 REGISTERED PROFESSIONAL ENGINEER
 COMMONWEALTH OF MASSACHUSETTS

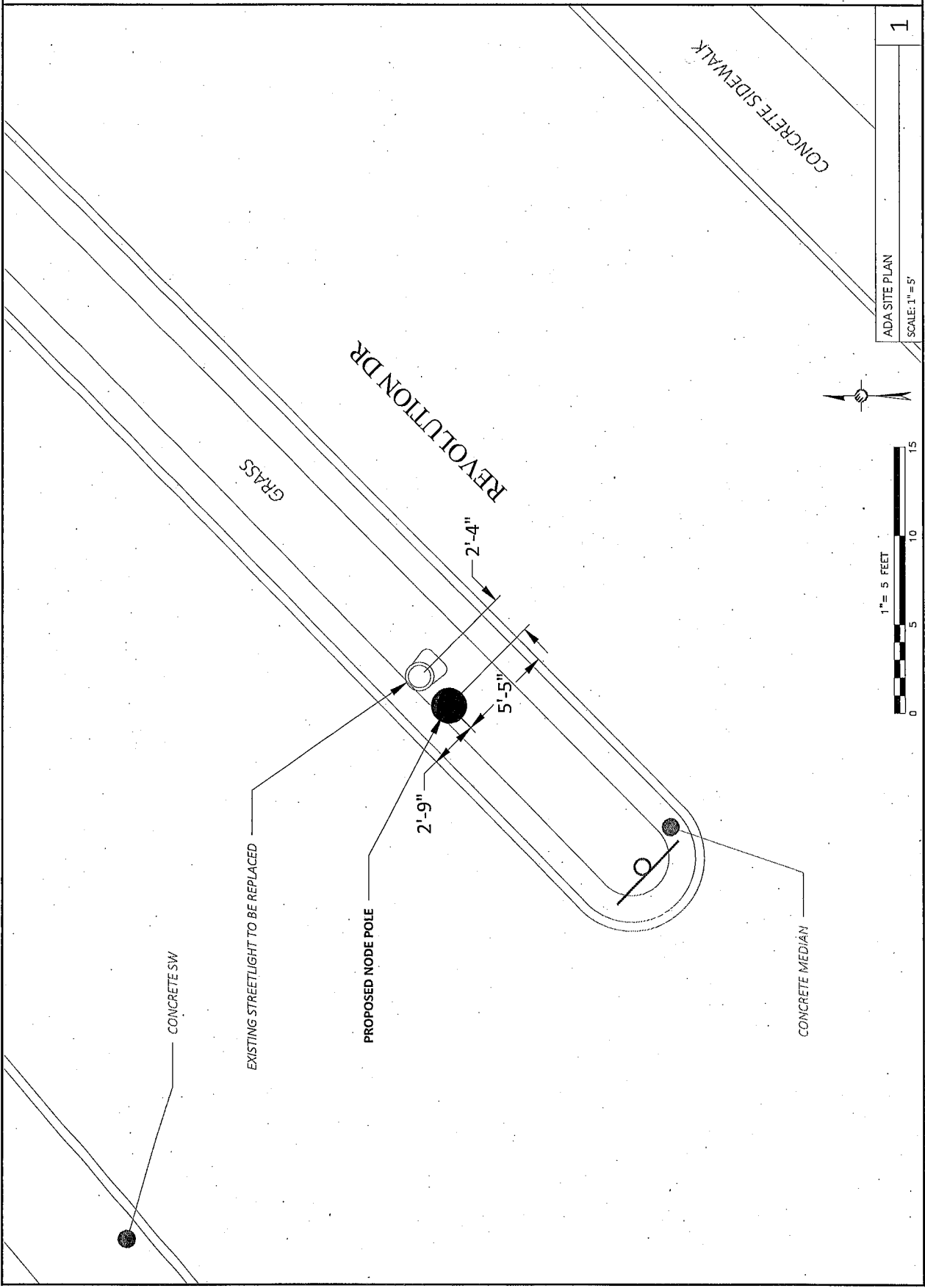
DRAWING NOTES:

ORIGINAL PLAN: AS NOTED
 SCALE: IR
 DRAWN BY: IR
 PLAN DATE: 02/04/19

REV	DESCRIPTION	BY	DATE
1	NEW FORMAT	IR	2/29/19
2	RELOCATION UPDATE	IR	04/02/19
3	UPDATED ADDRESS INFO	AC	07/27/19
4	UPDATED STREET NAME	LS	9-24-19

SITE INFO:
 LAT: 42.390678°
 LONG: -71.080699°

CRAN ID: CRAN_RCTB_00009_04
 EXFENET NODE ID: NE-MA-CMARD3M1-09_04
 SITE ADDRESS: 75 MYSTIC AVE
 SHEET TITLE: ADA SITE PLAN
 SHEET NUMBER: SP-2



PLANS PREPARED FOR:



FOUNDED 1978
NEW BRISTOL, MA 01906

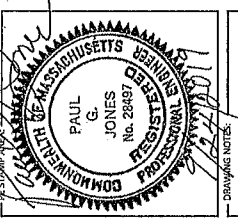
PLANS PREPARED BY:



University of Massachusetts
Engineering & Technology
MASSACHUSETTS
www.usceng.com
508-897-7000

FOR PERMITTING PURPOSES ONLY

LOCATION:
75 MYSTIC AVE
SOMERVILLE, MA 02145
MIDDLESEX COUNTY



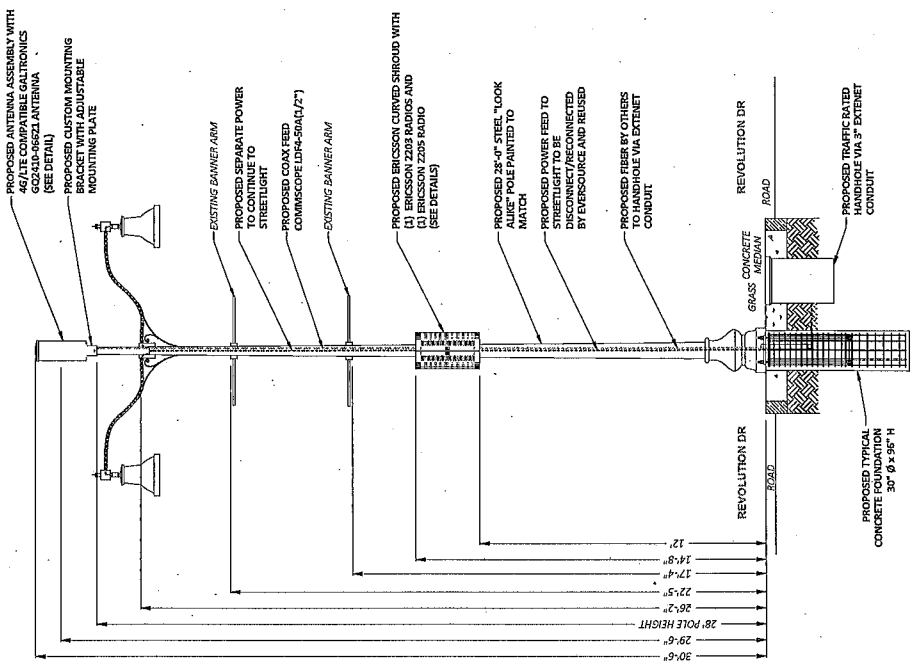
DRAWING NOTES:

ORIGINAL PLAN	AS NOTED		
SCALE:	1" = 10'		
DRAWN BY:	JR		
PAN ORG. DATE:	10/24/19		
REVISIONS:			
REV	DESCRIPTION	BY	DATE
1	NEW FORMAT	JR	12/28/19
2	REVISION UPDATE	JR	1/14/20
3	UPDATED ADDRESS INFO	JR	1/17/20
4	UPDATED STREET NAME	LS	1/24/20

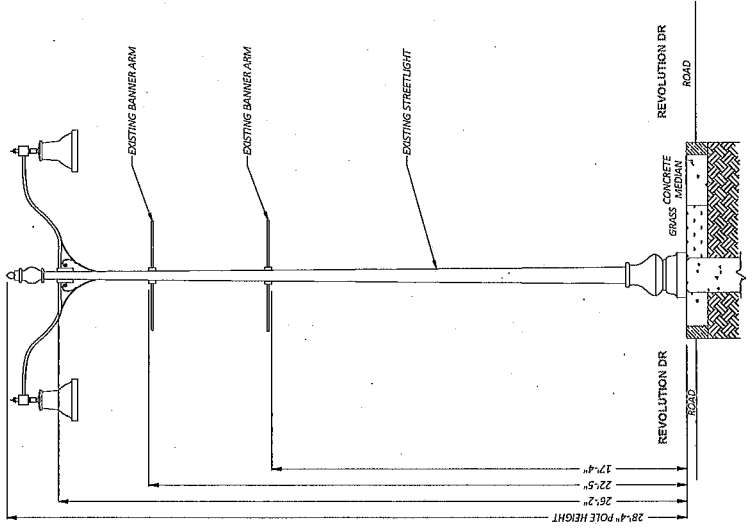
SITE INFO:	LAT: 42.390678°
	LONG: -71.080699°
CRAN ID:	CRAN_RCTB_00009_04
EXTNET WORK ID:	NE-WA-CMARDSM1-09_04
SITE ADDRESS:	75 MYSTIC AVE
SHEET TITLE:	POLE ELEVATIONS
SHEET NUMBER:	EV-1

- NOTE 1:** EXISTING STREETLIGHT POLE WITH NEW 28'-4" STEEL LOOK-ALIKE POLE AND ANTENNA / RADIO EQUIPMENT.
- NOTE 2:** WHEN NO FIELD CUTTINGS OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 3:** SPANNING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.
- CONSTRUCTION NOTE:** REMOVE ANY CONDUCTIONS, CONDUIT, OR OTHER ATTACHMENTS THAT WILL NOT BE PART OF PROPOSED WORK IS COMPLETED.
- ENGINEERING NOTE:** REGARDING EXISTING EXISTING POLES MUST BE INSPECTED BY A RESPONSIBLE TECHNICIAN IN ORDER TO ENSURE THAT THEY ARE NOT DAMAGED OR OVERSTRESSING. LEANING, CRACKING, OR MOVING EXCESSIVELY BEFORE ANY WORK IS STARTED.

- DRAWINGS NOTES:**
- NOTE 1:** 40' MIN. WORKER SAFETY ZONE BETWEEN LOWEST POWER & HIGHEST POWER EQUIPMENT 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.



1 PROPOSED PROFILE - SIDE VIEW
LOOKING NORTHEAST ALONG REVOLUTION DR

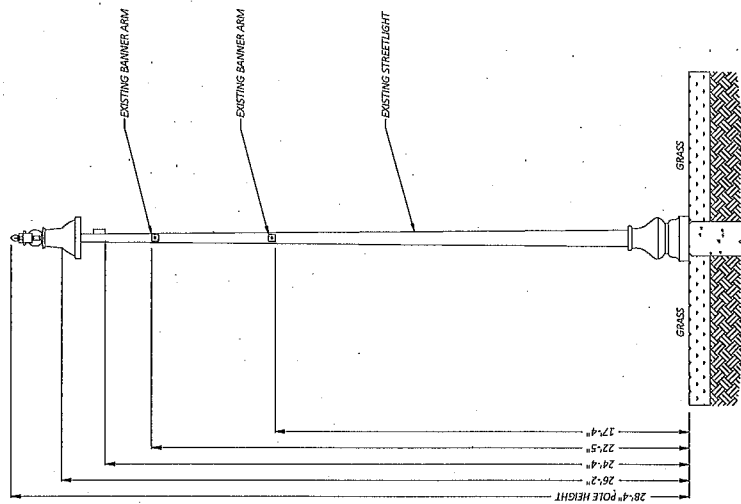


1 EXISTING PROFILE - SIDE VIEW
LOOKING NORTHEAST ALONG REVOLUTION DR

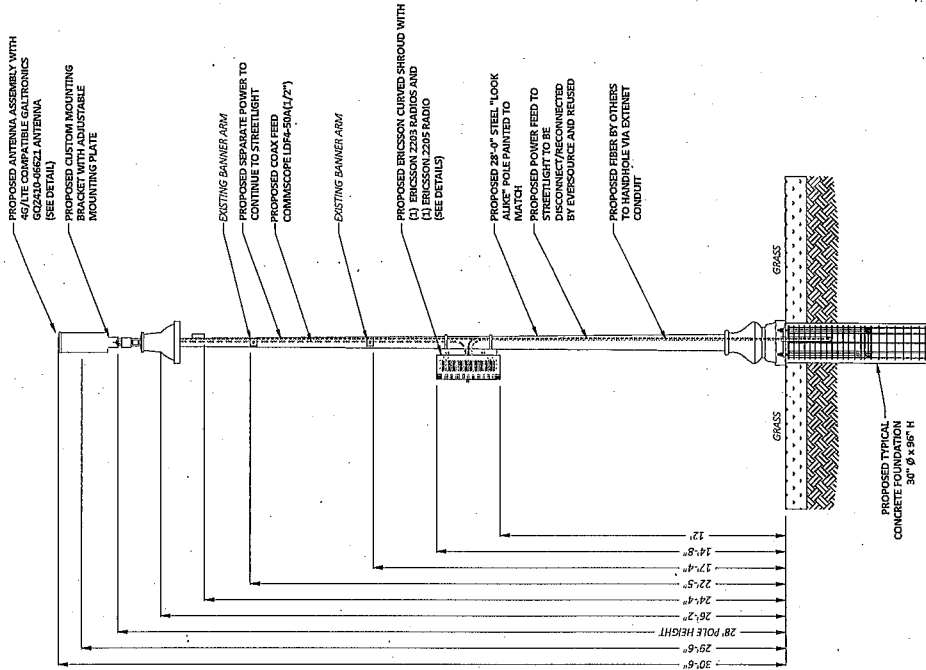
DRAWINGS NOTES:

- NOTE 1: 40' MIN. WORKER SAFETY ZONE SHALL BE MAINTAINED AT ALL TIMES.
- 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: EXISTING STREETLIGHT POLE WITH NEW 28'-0" STEEL LOOK ALIKE POLE.
 - NOTE 2: ADD ANTENNA / RADIO EQUIPMENT.
 - NOTE 3: TELEPHONE FIELD CLIPPING OR COILING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
 - NOTE 4: SPANNING OR PROPOSED AERIAL ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.
- CONSTRUCTION NOTE:
REMOVE ANY CONDUITS, CONDUIT, OR OTHER ATTACHMENTS THAT WILL NOT BE COMPLETED FOR PROPOSED WORK IS COMPLETED.
- ENGINEERING NOTE: REGARDING EXISTING POLES, THE POLES MUST BE INSPECTED BY A RESPONSIBLE TECHNICIAN IN ORDER TO ENSURE THAT THEY ARE NOT DAMAGED OR WEAKENED BY THE WORK. MOVING EXCESSIVELY BEFORE ANY WORK IS STARTED.



② EXISTING PROFILE - REAR VIEW
LOOKING NORTHWEST FROM 75 MYSTIC AVE



② PROPOSED PROFILE - REAR VIEW
LOOKING NORTHWEST FROM 75 MYSTIC AVE

<p>PLANS PREPARED FOR:</p> <p>PLANS PREPARED BY:</p> <p>www.usyn.net MANCHESTER, NH 03108 1-800-337-7990</p>	<p>FOR PERMITTING PURPOSES ONLY</p> <p>LOCATION: 75 MYSTIC AVE SOMERVILLE, MA 02145 MIDDLESEX COUNTY</p>	<p>DRAWING NOTES:</p>	<p>ORIGINAL PLAN: AS NOTED</p> <p>SCALE: 1/8" = 1'-0"</p> <p>DRAWN BY: J.R.</p> <p>PAN ORG. DATE: 10/04/19</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ISSUE FOR PERMIT</td> <td>JR</td> <td>12/28/19</td> </tr> <tr> <td>2</td> <td>RELOCATION UPDATE</td> <td>JR</td> <td>01/02/20</td> </tr> <tr> <td>3</td> <td>UPDATED ADDRESS INFO</td> <td>JR</td> <td>01/27/20</td> </tr> <tr> <td>4</td> <td>UPDATED STREET NAME</td> <td>LS</td> <td>02-24-20</td> </tr> </tbody> </table>	REV	DESCRIPTION	BY	DATE	1	ISSUE FOR PERMIT	JR	12/28/19	2	RELOCATION UPDATE	JR	01/02/20	3	UPDATED ADDRESS INFO	JR	01/27/20	4	UPDATED STREET NAME	LS	02-24-20	<p>SITE INFO: LAT: 42.390678° LONG: -71.080659°</p> <p>CRAN ID: CRAN_RCTB_00009_04</p> <p>FORENET POLE ID: NE-MA-OMARDSM1-09_04</p> <p>SITE ADDRESS: 75 MYSTIC AVE</p> <p>SHEET TITLE: POLE ELEVATIONS</p> <p>SHEET NUMBER: EV-2</p>
REV	DESCRIPTION	BY	DATE																						
1	ISSUE FOR PERMIT	JR	12/28/19																						
2	RELOCATION UPDATE	JR	01/02/20																						
3	UPDATED ADDRESS INFO	JR	01/27/20																						
4	UPDATED STREET NAME	LS	02-24-20																						



GALTRONICS
WE'RE MAKING WAVES.
COMMUNICATIONS EQUIPMENT

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

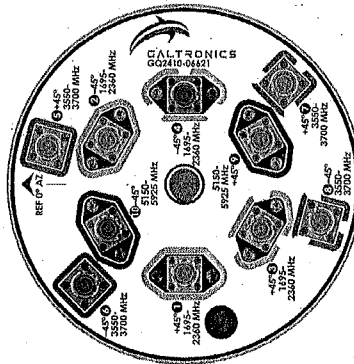
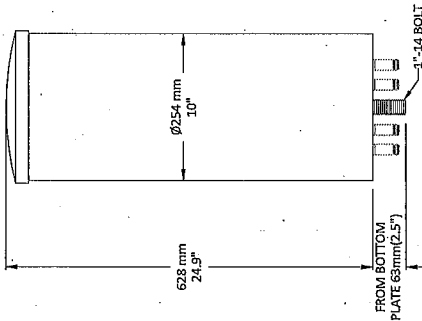
GQ2410-06621

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 UHF Band 5150-5925 MHz*

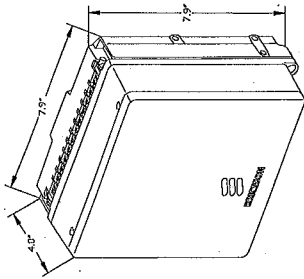


1695-2360, 3550-3700 and 5150-5925 MHz Pseudo Omni Canister Antenna

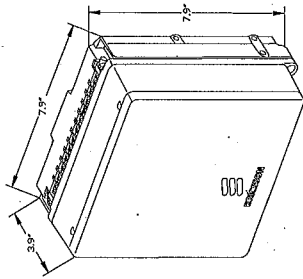


GALTRONICS GQ2410-06621 ANTENNA
SCALE: NOT TO SCALE

1



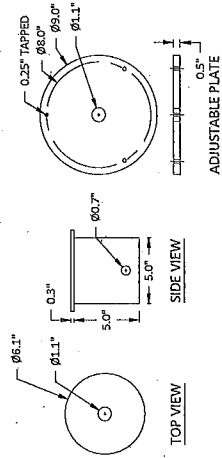
ERICSSON RADIO
2205 WITH COVER



ERICSSON RADIO
2203 WITH COVER

ERICSSON 2203 & 2205 RADIOS WITH COVER
POLE MOUNT REMOTE UNIT
SCALE: NOT TO SCALE

2



CUSTOM MOUNTING BRACKET
SCALE: NOT TO SCALE

3

PLANS PREPARED FOR:

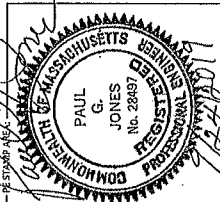


PLANS PREPARED BY:



**FOR PERMITTING
PURPOSES ONLY**

LOCATION:
75 MYSTIC AVE
SOMERVILLE, MA 02145
MIDDLESEX COUNTY



DRAWING NOTES:

ORIGINAL PLAN: AS NOTED
SCALE:
DRAWN BY: JR
PLAN DATE: 10/24/19

REV	DESCRIPTION	BY	DATE
1	NEW FORWARD	JR	7/23/19
2	RELOCATION UPDATE	JR	8/16/2019
3	UPDATED ADDRESS INFO AC 07/27/19		
4	UPDATED STREET NAME L1 9-24-19		

SITE INFO:
LAT: 42.390678°
LONG: -71.080699°
CRAN ID:
CRAN_RCTB_00009_04
EXNET NODE ID:
NE-MA-CWARD3M1-09_04
SITE ADDRESS:
75 MYSTIC AVE
SHEET TITLE:
ANTENNA DETAILS

SHEET NUMBER:

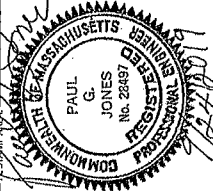
AT-1

PLANS PREPARED FOR:
extenei
 COMMUNICATIONS VENTURES INC.
 SYSTEMS

PLANS PREPARED BY:
UC/SYNERGETIC
 100 State Street, 4th Floor
 Mansfield, MA 02048
 www.uceng.com 508-837-7900

**FOR PERMITTING
 PURPOSES ONLY**

LOCATION:
 75 MYSTIC AVE
 SOMERVILLE, MA 02145
 MIDDLESEX COUNTY



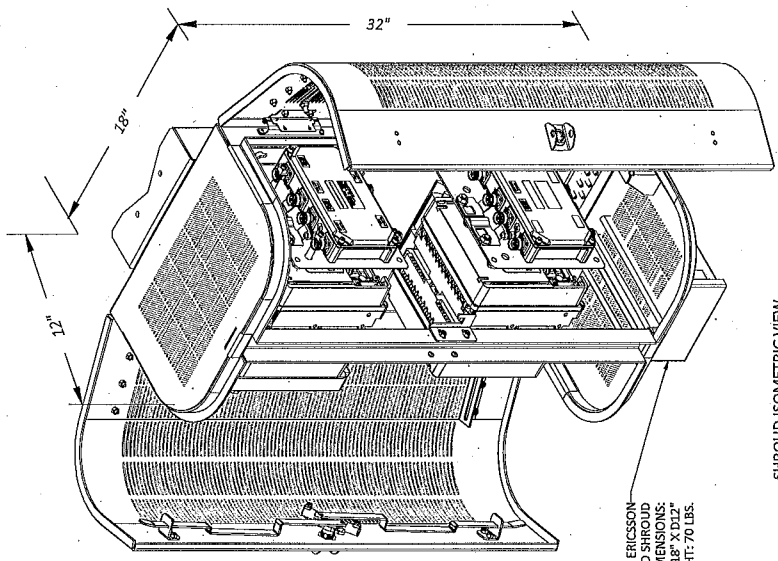
DRAWING NOTES:

ORIGINAL PLAN: JAS NOTED
 SCALE: 1" = 1'-0"
 DRAWN BY: J.R.
 PLAN ORG. DATE: 10/04/19

REV	DESCRIPTION	BY	DATE
1	NEW FORMAT	RD	2/18/19
2	RELOCATION UPDATE	JR	10/02/19
3	UPDATED ADDRESSING	AC	10/17/19
4	UPDATED STREET NAME	LS	10/24/19

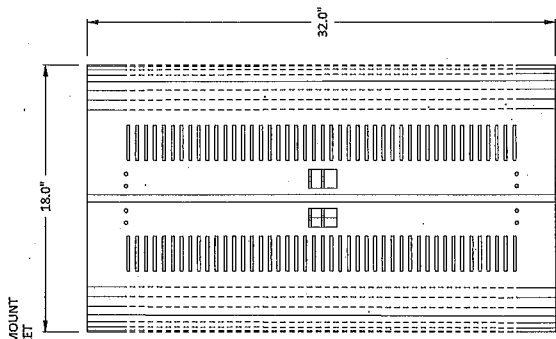
SITE INFO:
 LAT: 42.390678°
 LONG: -71.080699°
 GRANID:
 CRAN_RCTB_00009_04
 EXCISE# NODE ID:
 NE-MA-CMARD3M1-09_04
 SITE ADDRESS:
 75 MYSTIC AVE
 SHEET TITLE:
 RADIO SHROUD DETAILS
 SHEET NUMBER:

RS-1

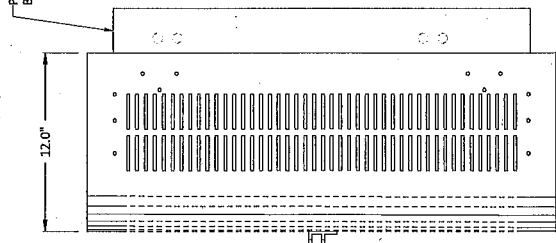


SHROUD ISOMETRIC VIEW

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



SHROUD FRONT



SHROUD SIDE

1
 ERICSSON CURVED SHROUD - 3.8 CUBIC FEET
 SCALE: NOT TO SCALE

PLANS PREPARED FOR: **exteneer** SYSTEMS

PLANS PREPARED BY: **US/SYNERGETIC**

75 MYSTIC AVE
SOMERVILLE, MA 02145
MIDDLESEX COUNTY

PAUL G. JONES
REGISTERED PROFESSIONAL ENGINEER
COMMITTEE OF MASSACHUSETTS REGISTERED PROFESSIONAL ENGINEERS

DATE: 10/24/19

DESCRIPTION: CONCRETE FOUNDATION

CONTRACT NO.: CRAN_RCTB_00009_04

SHEET TITLE: CONCRETE FOUNDATION

SHEET NUMBER: CF-1

GENERAL NOTES

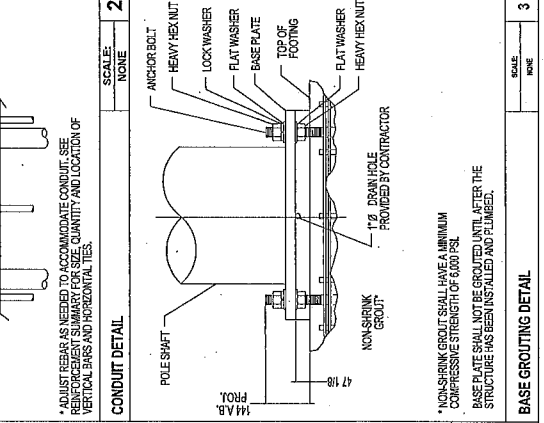
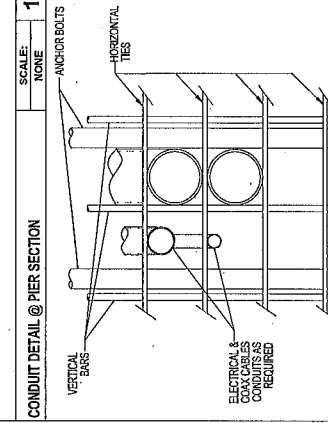
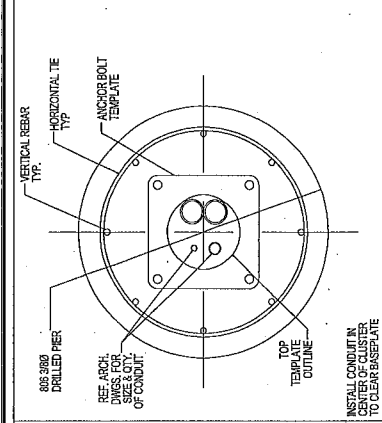
- CONTRACTOR IS RESPONSIBLE FOR CHECKING AREA FOR UNDERGROUND FACILITIES PRIOR TO EXCAVATING ANY MATERIALS.
- EXCAVATION SHALL BE KEPT OPEN AND PROTECTED FROM BOTTOM OF EXCAVATION.
- CONTRACTOR SHALL VERIFY ANCHOR BOLT LAYOUT PRIOR TO AND DURING EXCAVATION. PROVIDE ANCHOR BOLT LAYOUTS TO CONTRACTOR FOR REVIEW AND APPROVAL PRIOR TO LAYOUT.
- CONTRACTOR SHALL USE AND PROVIDE DEFORMED REINFORCING BARS CONFORMING TO ASTM A615 GR. 60 (60,000 PSI MIN. YIELD), CONTRACTOR SHALL PROVIDE ANCHOR BOLTS CONFORMING TO ASTM A307 GR. 36 (58,000 PSI MIN. TENSILE) UNLESS OTHERWISE NOTED. WELDING REBAR'S PREFERRED, SUBSTITUTE USING A307 GR. 36 DEFORMED BARS.
- CONTRACTOR SHALL USE AND PROVIDE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI. PROVIDE A MINIMUM MAXIMUM STONE AGGREGATE, MIX DESIGN & 1/2" SIZES OF CEMENT MINIMUM PER CUBIC YARD, 3" MINIMUM AND 7" MAXIMUM CONCRETE THROUGHOUT DEPTH OF FOUNDATION. VIBRATING LOWER DEPTHS MAY BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN THE FOUNDATION. CONTRACTOR SHALL PROVIDE AND MAINTAIN A MINIMUM TEMPORARY CASING TO STABILIZE THE EXCAVATION. THE CASING SHALL BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN THE FOUNDATION. CONTRACTOR SHALL PROVIDE AND MAINTAIN A MINIMUM TEMPORARY CASING TO STABILIZE THE EXCAVATION. THE CASING SHALL BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN THE FOUNDATION. CONTRACTOR SHALL PROVIDE AND MAINTAIN A MINIMUM TEMPORARY CASING TO STABILIZE THE EXCAVATION. THE CASING SHALL BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN THE FOUNDATION.
- CONCRETE SHALL BE CONSOLIDATED USING VIBRATORY METHODS THROUGHOUT DEPTH OF FOUNDATION. VIBRATING LOWER DEPTHS MAY BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN THE FOUNDATION. CONTRACTOR SHALL PROVIDE AND MAINTAIN A MINIMUM TEMPORARY CASING TO STABILIZE THE EXCAVATION. THE CASING SHALL BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN THE FOUNDATION.
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- CONCRETE SHALL NOT FREE FALL MORE THAN 8 FT. CONCRETE MAY BE PLACED BELOW WATER USING TREME METHODS. AND THE ABOVE METHODS TO MINIMIZE SEGREGATION OF CONCRETE AND AGGREGATE.
- ANCHOR BOLTS SHALL BE FORMED, THE REBAR CASE, ANCHOR BOLTS, AND CONCRETE SHALL BE PLACED WITHIN 24 HOURS OF COMPLETING THE GRADE PORTION SHALL BE FORMED.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A MINIMUM TEMPORARY CASING TO STABILIZE THE EXCAVATION. THE CASING SHALL BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN THE FOUNDATION.
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FACTORED BASE REACTIONS

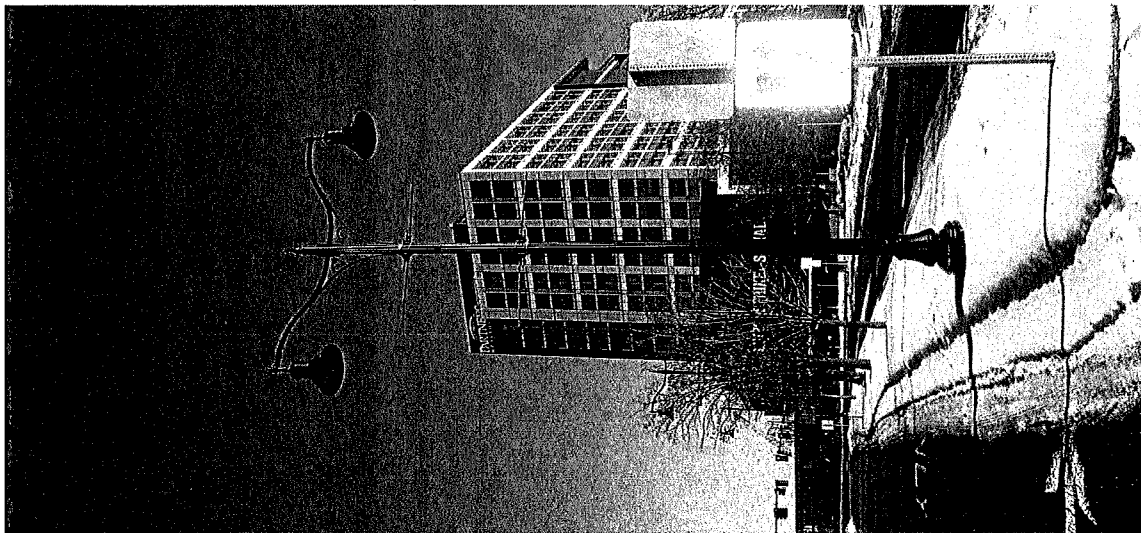
MOMENT = 30.9 ft-kips
SHEAR = 2.46 kips
VERTICAL = 1.57 kips

SPECIAL INSPECTIONS

ITEM	DESCRIPTION	INSPECTED BY	MATERIAL
1	PIER EXCAVATION LATERAL BEARING CAPACITY	SOILS ENGINEER	300 SF FT LATERAL
2	PIER CONSTRUCTION REINFORCING STEEL BARS SIZES AND INSTALLATION	SPECIAL INSPECTOR	ASTM A615 GR. 60
3	ANCHOR BOLTS INSTALLATION	SPECIAL INSPECTOR	ASTM A307 GR. 36
4	CONCRETE PLACEMENT OF CONCRETE	SPECIAL INSPECTOR	3,000 PSI TYPE I CEMENT

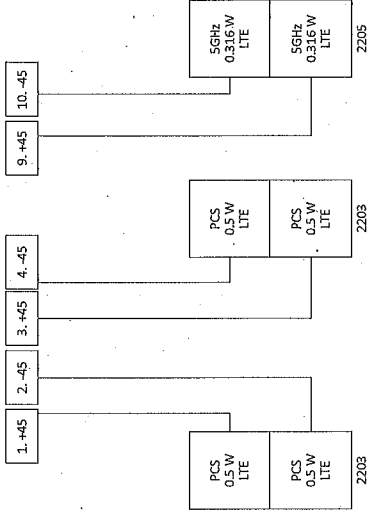


DESCRIPTION	QTY.	SIZE	LENGTH	WEIGHT	OVERLAP
VERTICAL BARS	8	#6	5'-0"	66 LBS.	N/A
HORIZONTAL TIES	10	#4	8'-4"	55 LBS.	2'-0"

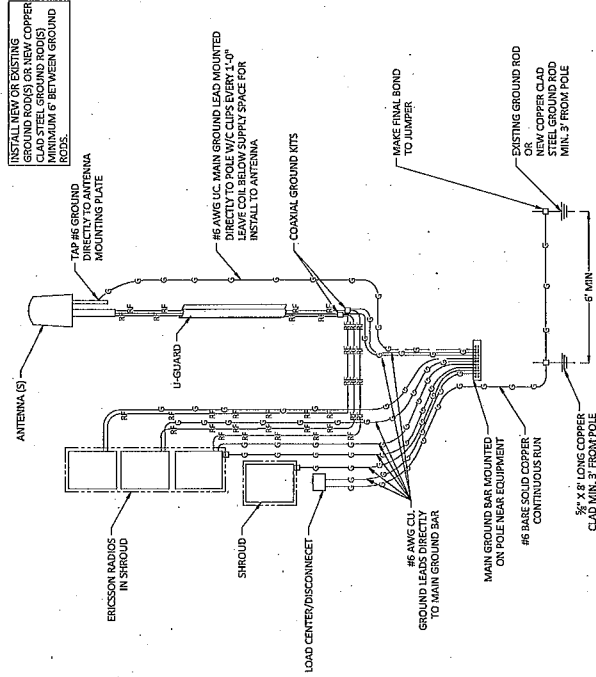


EXISTING POLE
SCALE: NOT TO SCALE

GALTRONICS GO2410-06621 ANTENNA



WIRING DIAGRAM
SCALE: NOT TO SCALE



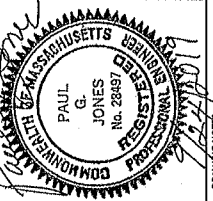
GROUNDING DIAGRAM
SCALE: NOT TO SCALE

PLANS PREPARED FOR:
extenet
SYSTEMS

PLANS PREPARED BY:
US SYNERGETIC
21 OXFORD RD
MIDDLESEX COUNTY, MA 02145
WWW.USSYNERGETIC.COM

FOR PERMITTING PURPOSES ONLY

LOCATION:
75 MYSTIC AVE
SOMERVILLE, MA 02145
MIDDLESEX COUNTY



DRAWING NOTES:

ORIGINAL PLAN: AS NOTED
SCALE: AS NOTED
DRAWN BY: JR

REV	DESCRIPTION	BY	DATE
1	NEW FORMAT	JR	7/28/19
2	RELOCATION UPDATE	JR	10/02/19
3	UPDATED ADDRESS INFO	AC	07/17/19
4	UPDATED STREET NAME	LS	9-24-19

PLAN ORIG. DATE: 10/24/19

SITE INFO:
LAT: 42.390678°
LONG: -71.080699°

CRAN ID: CRAN_RCTB_00009_04
EXTENET NODE ID: NE-MA-CMARD3M1-09_04

SITE ADDRESS:
75 MYSTIC AVE
SHEET TITLE:
GROUNDING & WIRING DIAGRAMS

SHEET NUMBER:
GW-1

PLANS PREPARED FOR:

extelnet TECHNOLOGICAL SYSTEMS, INC.
 1508-337-7000
 www.extelnet.com

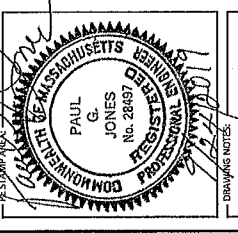
PLANS PREPARED BY:

UC/SYNERGETIC
 1508-337-7000
 www.ucsynergetic.com

FOR PERMITTING

LOCATION:

75 MYSTIC AVE
 SOMERVILLE, MA 02145
 MIDDLESEX COUNTY



DRYAN'S NOTES

ORIGINAL PLAN: AS NOTED

SCALE: 1" = 10'

DATE: 02/04/19

BY: JR

NO. 28497

REV	DESCRIPTION	BY	DATE
1	ISSUANCE	JR	02/04/19
2	REVISIONS	JR	04/22/19
3	UPDATED ADDRESS INFO	JR	07/27/19
4	UPDATED STREET NAME	LS	9-24-19

SITE INFO:

LAT: 42.590678°
 LONG: -71.080699°

CRAN ID:

CRAN_RCTB_00009_04

EXEMPT MOST ID:

NE-MA-CMARDMS1-08_04

SITE ADDRESS:

75 MYSTIC AVE

SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

GN-1

1. SCOPE:

The construction of this project shall be in accordance with the Massachusetts State Building Code, Chapter 18A, and all applicable regulations. The contractor shall be responsible for obtaining all necessary permits and for compliance with all applicable laws, rules, and regulations. The contractor shall be responsible for the design and construction of the project, including but not limited to the foundation, framing, and exterior finish. The contractor shall be responsible for the coordination of all trades and for the protection of existing structures and utilities. The contractor shall be responsible for the maintenance of the site and for the removal of all construction materials and debris. The contractor shall be responsible for the safety of all workers and for the protection of the public. The contractor shall be responsible for the completion of the project within the specified time frame and budget.

2. REFERENCES:

The following references shall apply to the construction of this project:

- Massachusetts State Building Code, Chapter 18A
- International Building Code, 2018 Edition
- International Residential Code, 2018 Edition
- International Mechanical Code, 2018 Edition
- International Electrical Code, 2017 Edition
- International Plumbing Code, 2018 Edition
- International Fire Code, 2018 Edition
- International Energy Conservation Code, 2018 Edition
- International Green Building Code, 2015 Edition
- International Building Code, 2015 Edition
- International Residential Code, 2015 Edition
- International Mechanical Code, 2015 Edition
- International Electrical Code, 2014 Edition
- International Plumbing Code, 2015 Edition
- International Fire Code, 2015 Edition
- International Energy Conservation Code, 2015 Edition
- International Green Building Code, 2015 Edition

3. CONTRACT DOCUMENTS:

The following contract documents shall apply to the construction of this project:

- Contract Agreement
- Specifications
- Drawings
- Permitting Documents
- Change Orders
- Correspondence

4. GENERAL NOTES:

The contractor shall be responsible for the coordination of all trades and for the protection of existing structures and utilities. The contractor shall be responsible for the maintenance of the site and for the removal of all construction materials and debris. The contractor shall be responsible for the safety of all workers and for the protection of the public. The contractor shall be responsible for the completion of the project within the specified time frame and budget. The contractor shall be responsible for the coordination of all trades and for the protection of existing structures and utilities. The contractor shall be responsible for the maintenance of the site and for the removal of all construction materials and debris. The contractor shall be responsible for the safety of all workers and for the protection of the public. The contractor shall be responsible for the completion of the project within the specified time frame and budget.

5. FOUNDATION:

The foundation shall be constructed in accordance with the specifications and drawings. The contractor shall be responsible for the design and construction of the foundation, including but not limited to the footing, foundation walls, and slab on grade. The contractor shall be responsible for the coordination of all trades and for the protection of existing structures and utilities. The contractor shall be responsible for the maintenance of the site and for the removal of all construction materials and debris. The contractor shall be responsible for the safety of all workers and for the protection of the public. The contractor shall be responsible for the completion of the project within the specified time frame and budget.

6. FRAMING:

The framing shall be constructed in accordance with the specifications and drawings. The contractor shall be responsible for the design and construction of the framing, including but not limited to the studs, joists, rafters, and roof trusses. The contractor shall be responsible for the coordination of all trades and for the protection of existing structures and utilities. The contractor shall be responsible for the maintenance of the site and for the removal of all construction materials and debris. The contractor shall be responsible for the safety of all workers and for the protection of the public. The contractor shall be responsible for the completion of the project within the specified time frame and budget.

7. EXTERIOR FINISH:

The exterior finish shall be constructed in accordance with the specifications and drawings. The contractor shall be responsible for the design and construction of the exterior finish, including but not limited to the siding, roof, and gutters. The contractor shall be responsible for the coordination of all trades and for the protection of existing structures and utilities. The contractor shall be responsible for the maintenance of the site and for the removal of all construction materials and debris. The contractor shall be responsible for the safety of all workers and for the protection of the public. The contractor shall be responsible for the completion of the project within the specified time frame and budget.

8. MECHANICAL, ELECTRICAL, AND PLUMBING (MEP):

The MEP systems shall be installed in accordance with the specifications and drawings. The contractor shall be responsible for the design and construction of the MEP systems, including but not limited to the heating, ventilation, air conditioning, electrical, and plumbing. The contractor shall be responsible for the coordination of all trades and for the protection of existing structures and utilities. The contractor shall be responsible for the maintenance of the site and for the removal of all construction materials and debris. The contractor shall be responsible for the safety of all workers and for the protection of the public. The contractor shall be responsible for the completion of the project within the specified time frame and budget.

9. INTERIORS:

The interiors shall be constructed in accordance with the specifications and drawings. The contractor shall be responsible for the design and construction of the interiors, including but not limited to the walls, floors, and ceilings. The contractor shall be responsible for the coordination of all trades and for the protection of existing structures and utilities. The contractor shall be responsible for the maintenance of the site and for the removal of all construction materials and debris. The contractor shall be responsible for the safety of all workers and for the protection of the public. The contractor shall be responsible for the completion of the project within the specified time frame and budget.

10. UTILITIES:

The contractor shall be responsible for the coordination of all trades and for the protection of existing structures and utilities. The contractor shall be responsible for the maintenance of the site and for the removal of all construction materials and debris. The contractor shall be responsible for the safety of all workers and for the protection of the public. The contractor shall be responsible for the completion of the project within the specified time frame and budget.

11. SAFETY:

The contractor shall be responsible for the safety of all workers and for the protection of the public. The contractor shall be responsible for the completion of the project within the specified time frame and budget.

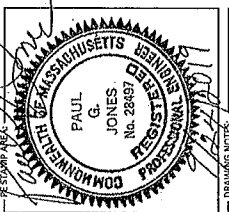
PLANS PREPARED FOR:



PLANS PREPARED BY:
UC SYNERGETIC
www.ucsynergetic.com

FOR PERMITTING
PURPOSES ONLY

LOCATION:
75 MYSTIC AVE
SOMERVILLE, MA 02145
MIDDLESEX COUNTY



DRAWING NOTES:

Table with columns: ORIGINAL PLAN, AS NOTED, SCALE, DRAWN BY, IR, PLAN DATE, DATE

Table with columns: REVISIONS, REV, DESCRIPTION, BY, DATE

SITE INFO:
LAT: 42.390678
LONG: -71.080999

CRAN ID:
CRAN: RCTB_00009_04

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
GN-2

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE LOCAL, STATE AND FEDERAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE LOCAL, STATE AND FEDERAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE LOCAL, STATE AND FEDERAL AGENCIES.

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