

**BZA APPLICATION FORM**

**GENERAL INFORMATION**

The undersigned hereby petitions the Board of Zoning Appeal for the following:

Special Permit:   X   Variance:            Appeal:             
and relief pursuant to Section 6409 of the Middle Class Tax Relief Act

PETITIONER:   T-Mobile Northeast LLC  

PETITIONER'S ADDRESS:   Prince Lobel Tye, LLP, Attn. Ricardo M. Sousa, Esq., One International Place, Suite 3700, Boston, MA  

LOCATION OF PROPERTY:   141 Portland Street  

TYPE OF OCCUPANCY:   Telecommunications   ZONING DISTRICT:   Industry B  

**REASON FOR PETITION:**

<u>          </u> Additions	<u>          </u> New Structure
<u>          </u> Change in Use/Occupancy	<u>          </u> Parking
<u>          </u> Conversion to Addi'l Dwelling Unit's	<u>          </u> Sign
<u>          </u> Dormer	<u>          </u> Subdivision
<u>  X  </u> Other: <u>  Section 6409(a) of the Spectrum Act relief for Special Permit for the collocation of a Wireless Facility  </u>	

**DESCRIPTION OF PETITIONER'S PROPOSAL:**

The Applicant proposes to modify its existing Wireless Telecommunications Facility by collocating four (4) new panel antennas on the existing building, together with supporting equipment. The Applicants proposal complies with Section 6409 of the Spectrum Act as the collocation of antennas is not a substantial change to the existing base station. Moreover, the Applicants proposal complies with Section 4.32 and 10.4 of the Cambridge Zoning Code.

**SECTIONS OF ZONING ORDINANCE CITED:**

Article   4.00   Section   4.32 (g)(1) Utilities - Telephone Exchange  

Article   10.00   Section   10.4 - Special Permit  


Article   6409   Section   Middle Class Tax Relief Act  

Applicants for a **Variance** must complete Pages 1-5

Applicants for a **Special Permit** must complete Pages 1-4 and 6

Applicants for an **Appeal** to the BZA of a Zoning determination by the Inspectional Services Department must attach a statement concerning the reasons for the appeal

Original Signature(s):

  
(Petitioner(s)/Owner)  
Ricardo M. Sousa, Esq.

(Print Name)

Address:   One International Place, Suite 3700  

  Boston, MA 02110  

Tel. No.:   617-456-8123  

E-Mail Address:   rsousa@princelobel.com  

Date:   May 11, 2017

**BZA APPLICATION FORM - OWNERSHIP INFORMATION**

*To be completed by OWNER, signed before a notary and returned to The Secretary of the Board of Zoning Appeals.*

I/We Kendall Square Entity, Inc. (OWNER)

Address: 141 Portland Street, Cambridge, MA 02139

State that I/We own the property located at 141 Portland Street, Cambridge, MA, which is the subject of this zoning application.

The record title of this property is in the name of UST CORP.

\*Pursuant to a deed of duly recorded in the date 12.17.85, Middlesex South County Registry of Deeds at Book \_\_\_\_\_, Page \_\_\_\_\_; or Middlesex Registry District of Land Court, Certificate No. 175562 Book 16682 Page 565.

  
\_\_\_\_\_  
SIGNATURE BY LAND OWNER OR  
AUTHORIZED TRUSTEE, OFFICER OR AGENT\*

*\*Written evidence of Agent's standing to represent petitioner may be requested.*

Commonwealth of Massachusetts, County of Suffolk

The above-name Paul Chard personally appeared before me, this 2<sup>nd</sup> of February, 2017, and made oath that the above statement is true.

My commission expires 4/7/2017 (Notary Seal).



- If ownership is not shown in recorded deed, e.g. if by court order, recent deed, or inheritance, please include documentation.

**BZA APPLICATION FORM**

**DIMENSIONAL INFORMATION**

**APPLICANT:** T-Mobile Northeast **PRESENT USE/OCCUPANCY:** Wireless Telecommunications

**LOCATION:** 141 Portland Street **ZONE:** IB

**PHONE:** 617-456-8123 **REQUESTED USE/OCCUPANCY:** Wireless Telecommunications

	<b><u>EXISTING CONDITIONS</u></b>	<b><u>REQUESTED CONDITIONS</u></b>	<b><u>ORDINANCE REQUIREMENTS<sup>1</sup></u></b>
<b><u>TOTAL GROSS FLOOR AREA:</u></b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
<b><u>LOT AREA:</u></b>	<u>N/A</u>		<u>N/A</u> (min.)
<b><u>RATIO OF GROSS FLOOR AREA TO LOT AREA:<sup>2</sup></u></b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
<b><u>LOT AREA FOR EACH DWELLING UNIT:</u></b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
<b><u>SIZE OF LOT:</u></b>			
<b>WIDTH</b>	<u>N/A</u>		<u>N/A</u> (min.)
<b>DEPTH</b>			
<b><u>Setbacks in Feet:</u></b>			
<b>FRONT</b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
<b>REAR</b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
<b>LEFT SIDE</b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
<b>RIGHT SIDE</b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
<b><u>SIZE OF BLDG.:</u></b>			
<b>HEIGHT</b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
<b>LENGTH</b>			
<b>WIDTH</b>			
<b><u>RATIO OF USABLE OPEN SPACE TO LOT AREA:<sup>3</sup></u></b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
<b><u>NO. OF DWELLING UNITS:</u></b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
<b><u>NO. OF PARKING SPACES:</u></b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min./max)
<b><u>NO. OF LOADING AREAS:</u></b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
<b><u>DISTANCE TO NEAREST BLDG. ON SAME LOT:</u></b>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)

Describe where applicable, other occupancies on same lot, the size of adjacent buildings on same lot, and type of construction proposed, e.g.; wood frame, concrete, brick, steel, etc.

The proposed installation involves a modification of an existing Wireless Telecommunications Facility,

more commonly referred to as a "collocation".

1. SEE CAMBRIDGE ZONING ORDINANCE ARTICLE 5.000, SECTION 5.30 (DISTRICT OF DIMENSIONAL REGULATIONS).
2. TOTAL GROSS FLOOR AREA (INCLUDING BASEMENT 7'-0" IN HEIGHT AND ATTIC AREAS GREATER THAN 5') DIVIDED BY LOT AREA.
3. OPEN SPACE SHALL NOT INCLUDE PARKING AREAS, WALKWAYS OR DRIVEWAYS AND SHALL HAVE A MINIMUM DIMENSION OF 15'.

May 11, 2017

City of Cambridge  
Board of Zoning Appeals  
831 Massachusetts Avenue  
Cambridge, MA 02139

Re: Eligible Facilities Request pursuant to Section 6409 of the  
Spectrum Act and an Application for Special Permit, in the  
alternative  
Property Address: 141 Portland Street  
Assessor's Map 42, Lot 70 (the "Property")  
Applicant: T-Mobile Northeast LLC (the "Applicant")

Dear Honorable Members of the Board of Zoning Appeals:

This firm represents T-Mobile Northeast LLC ("T-Mobile") (hereinafter, the "Applicant") in connection with an application for a special permit from the City of Cambridge Board of Zoning Appeals (the "Board"), to modify an existing wireless communications facility on the Property. The Property is located in the Industry B (IB) zoning district. To the extent that the Board determines that the requirements of Article 4 Section 4.32G.1 of the City of Cambridge Zoning Ordinance (the "Ordinance") apply, the use of the Property for a wireless telecommunications facility is permitted by special permit from the Board<sup>1</sup>. The Applicant's proposal satisfies the requirements for the grant of a special permit pursuant to Section 10-43 of the Ordinance.

The Applicant's Proposed Facility (as defined herein) is subject to Section 6409 of the Middle Class Tax Relief and Job Creation Act of 2012, more commonly known as the "Spectrum Act" (47 U.S.C. § 1455). As such, we respectfully submit that in the event that the Board determines that the application does not comply with the Spectrum Act, the Applicant hereby states that the special permit requirements set forth in the Ordinance are hereby met by the Applicant, and that relief must be granted to the Applicant. The compliance with the Spectrum Act is shown on the Eligible Facilities Request permit application form attached hereto and incorporated herein by reference (the "EFR").

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<sup>1</sup> Pursuant to Section 6409(a) of the Spectrum Act, state and local governments "may not deny and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station." As such, the Applicant submits that they need not apply for a special permit from the board. To the extent that this Board determines that the Applicants' proposed wireless facility must comply with special permit requirements set forth in Section 10-43 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.

Prince Lobel Tye LLP  
One International Place  
Suite 3700  
Boston, MA 02110  
TEL: 617 456 8000  
FAX: 617 456 8100



The Applicant seeks to modify its existing wireless communications facility by installing four (4) new panel antennas, and eight (8) Remote Radio Head Units ("RRH"), together with supporting equipment (the "Proposed Facility"). Three (3) of the proposed antennas will be concealed within two (2) new faux flue canisters. One canister will be 24" X 6' 10" and will house one antenna and another canister will be slightly larger at 30" X 6' 10" and will house two (2) antennas. The fourth antenna will be façade mounted adjacent to the existing antennas and painted to match the façade of the penthouse. The proposed antennas and RRH units will be installed on the roof of the existing building located at the Property (the "Building"). The Applicant's facilities are shown on the Plans attached hereto and incorporated herein by reference (the "Plans").

## **I. Background**

The Applicant is licensed by the Federal Communications Commission (the "FCC") to construct and operate a wireless telecommunications network in various markets throughout the country, including the Commonwealth of Massachusetts and in particular in the City of Cambridge. A copy of the Applicant's FCC license is attached hereto. The Applicant is in the process of designing and constructing a telecommunications system to serve all of the Commonwealth of Massachusetts. One of the key design objectives of its systems is to provide seamless coverage. Such a system requires a grid of radio transmitting and receiving links located approximately .5 to 2 miles apart, depending on the location of existing and proposed installations in the surrounding area, the existing use of the network and the existing topography. The radio transmitting and receiving facilities operate on a line-of-sight basis, requiring a clear path from the facility to the user on the ground. This dynamic requires the antennas to be located in a location where the signal is not obstructed or degraded by other buildings or by topographical features such as hills.

## **II. Project Description**

As noted above, the Applicant proposes to modify its existing wireless facility currently operating on the rooftop of the Building by adding four (4) new T-Mobile L700 panel antennas, together with supporting equipment. Three (3) of the proposed antennas will be concealed within two (2) new faux flue canisters. One canister will be 24" X 6' 10" and will house one antenna and another canister will be slightly larger at 30" X 6' 10" and will house two (2) antennas. The fourth antenna will be façade mounted adjacent to the existing antennas and painted to match the façade of the penthouse. The facade mounted antenna will be installed to be consistent with the previous decisions of the Board for this facility, the most recent of which is dated December 5, 2012 (Case No. 10337) (the "Decision") while the other proposed antennas are completely screened within stealth faux flue canisters, as described above. Consequently, the visual change to the Applicant's existing facility will be de minimus.

After installation, the Proposed Facility will be unmanned and will only require twice a month maintenance visits per carrier. The only utilities required to operate this Proposed Facility are standard 120-volt electrical power as well as telephone service. These are presently in place at the Property. The traffic generated by the Proposed Facility will be approximately two vehicle trips per month by maintenance personnel who will inspect the Proposed Facility to ensure it

remains in good working order. The Proposed Facility will comply with all applicable local, state and federal safety codes.

### **III. Legal Arguments**

#### **A. The Applicant complies with the Wireless Communications provisions set forth in Section 4.32(g), footnote 49 of the Ordinance**

Pursuant to Section 4.32(g) of the Ordinance, the Applicant's proposed use for a wireless communications facility in the IB zoning district is permitted by special permit. The Applicant's Proposed Facility further complies with the provisions set forth in Section 4.32(g), footnote 49 of the Ordinance:

- 1. The Board of Zoning Appeal shall consider the scope of or limitations imposed by any license secured from any state or federal agency having jurisdiction over such matters.**

Enclosed herewith is the Applicant's FCC license. The Applicant meets all requirements imposed by governmental authorities having jurisdiction over the Proposed Facility, including by the FCC, to provide wireless communications in this market area.

The intent of the U.S. Congress, when it enacted the Telecommunications Act of 1996 ("TCA") was to institute a framework to promote competition and innovation within the telecommunications industry. Under its license from the FCC, T-Mobile is obligated to provide a reliable "product" (i.e. wireless communications service) to the population of the City of Cambridge. Likewise, consumer expectations for increasingly robust and reliable service requires competing service providers (including T-Mobile) to identify and remedy existing gaps in reliable network coverage, or gaps that result from increasing subscriber voice and data traffic beyond the limits of existing network infrastructure. A carrier's failure to remedy network gaps in a timely fashion can result in a significant loss of subscribers to competing telecommunications carriers. As demonstrated in the Affidavit of Radio Frequency Expert provided by the Applicant and attached hereto, the Proposed Facility and corresponding relief requested are necessary to remedy a gap in reliable service coverage within T-Mobile's existing network infrastructure.

T-Mobile investigated alternative sites in and around the defined geographic area within which its engineers determined that a facility must be located to fill the gap in service coverage and to function effectively within its network of existing and planned facilities. This is an existing location that is being upgraded with new technology to provide the necessary coverage to the subject area of the City of Cambridge. Therefore, the Proposed Facility in the IB zoning district is necessary to close the coverage gap that is illustrated on the propagation maps submitted herewith. Consequently, T-Mobile is unable to close a gap in its wireless network without obtaining the requested relief under Section 6409 of the Spectrum act or a Special Permit to modify its existing wireless facility in the IB zoning district.

Furthermore, Section 6409(a) of the Spectrum Act mandates that state and local governments “*may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station.*” Under Section 6409(a)(2)(A)-(C) an Eligible Facilities Request is any request to modify a Tower or Base Station that involves “collocations of new Transmission Equipment,” “removal,” or “replacement” of Transmission Equipment.

Because federal law now preempts many of the permit application requirements that this jurisdiction would previously have required from an Applicant, we have provided, on the attached EFR, only the information that federal law allows this jurisdiction to consider when reviewing an EFR. As such, we submit that the Wireless Communications set forth in Section 4.32(g), footnote 49 of the Ordinance, provisions are not applicable to Proposed Facility and relief must be granted pursuant to Section 6409(a) of the Spectrum Act.

- 2. The Board of Zoning Appeal shall consider the extent to which the visual impact of the various elements of the proposed facility is minimized: (1) through the use of existing mechanical elements on the building’s roof or other features of the building as support and background, (2) through the use in materials that in texture and color blend with the materials to which the facilities are attached, or (3) other effective means to reduce the visual impact of the facility on the site.**

The Applicant’s design minimizes the visual impact of the Proposed Facility. The resulting installation will have an increased capacity to better serve the City of Cambridge. The Proposed Facility will continue to comply with the Decision and the new faux flue canisters completely conceal three of the four proposed antennas and are designed to blend in with the building to the greatest extent possible. Moreover, the proposed façade mounted antenna will continue to comply with the decision in that it will be installed adjacent to the existing antennas, on low profile mounts, set down from the cornice line housing the new antennas will be painted to match the color of the existing Building and therefore will have a de-minimus impact on the existing visual conditions of the Building.

As stated above, federal law now preempts many of the permit applications requirements that the Ordinance sets forth. To the extent that this Board determines that the Applicants’ proposed wireless facility must comply with the Wireless Communications provisions set forth in Section 4.32(g), footnote 49 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.

3. Where it is proposed to erect such a facility in any residential zoning district, the extent to which there is a demonstrated public need for the facility at the proposed locations, the existence of alternative, functionally suitable sites in nonresidential locations, the character of the prevailing uses in the area, and the prevalence of other existing mechanical systems and equipment carried on or above the roof of nearby structures. The Board of Zoning Appeal shall grant a special permit to erect such a facility in a residential zoning district only upon a finding that nonresidential uses predominate in the vicinity of the proposed facility's location and that the telecommunications facility is not inconsistent with the character that does prevail in the surrounding neighborhood.

Not Applicable, the Property and Proposed Facility are located in the IB zoning district.

**B. The Applicant complies with the Special Permit Criteria set forth in Section 10-43 of the Ordinance<sup>2</sup>:**

**1. The requirements of the Ordinance can be met:**

As provided above, the Applicant has met the requirements set forth in Section 4.32(g), footnote 49 of the Ordinance.

**2. Traffic generated or patterns of access or egress would not cause congestion hazard, or substantial change in established neighborhood character for the following reasons:**

The proposed installation will not obstruct existing rights-of-way or pedestrian access and will not change the daily conditions of access, egress, traffic, congestion hazard, or character of the neighborhood. The installation will not require the addition of any new parking or loading spaces. The use is passive and will not change the current conditions or appearance surrounding the Building. The facility will not produce any odors, fumes, noise or waste. There will be no need for water, sewer, or other municipal services.

As mentioned above, once modified, the facility will be unmanned and will only require infrequent visits by a technician, typically two times per month for routine diagnostics and/or maintenance, except in cases of emergency. These infrequent visits will not result in any material increase in traffic or disruption to patterns of access or egress that will cause congestion hazards or cause a substantial change in the established neighborhood character. The Applicant's maintenance personnel will make use of the existing access roads and parking at the Building.

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<sup>2</sup> Pursuant to Section 6409(a) of the Spectrum Act, state and local governments "may not deny and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station." As such, the Applicant submits that they need not apply for a special permit from the board. To the extent that this Board determines that the Applicants' proposed wireless facility must comply with special permit requirements set forth in Section 10-43 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.

- 3. The continued operation of or the development of adjacent uses as permitted in the Zoning Ordinance would not be adversely affected by the nature of the proposed use for the following reasons:**

As described above and illustrated on the attached photograph simulations, the modification of the existing facility will produce a minimal change in the appearance of the Building. The modification of the existing facility will blend with the existing characteristics of the Building and the surrounding neighborhood. Moreover, the proposed installation will not generate any traffic, smoke, dust, heat, glare, discharge of noxious substances, nor will it pollute waterways or groundwater. Conversely, the surrounding properties and general public will benefit from the potential to enjoy improved wireless communication.

- 4. Nuisance or hazard would not be created to the detriment of the health, safety, and/or welfare of the occupant of the proposed use or the citizens of the City for the following reasons:**

The operations of the proposed telecommunications facility will not adversely impact the health, safety, and the welfare of the residents of the City of Cambridge. On the contrary, the proposed use will benefit the City and promote the safety and welfare of its residents, businesses and drivers by providing reliable state-of-the-art digital wireless voice and data services. Further, the site will improve the reliability of emergency communications with the police and fire departments by eliminating dropped or blocked calls due to inadequate signal strength or insufficient network capacity to handle call volume, particularly important during emergency situations.

The Proposed Facility will comply with all federal, state and local safety requirements including the standards established by the FCC, Federal Aviation Administration (FAA), the American Standards Institute (ANSI), and the Massachusetts Department of Public Health (MDPH).

Accordingly, the Proposed Facility will not adversely impact the health, safety and/or welfare of the neighborhood or the residents of the City of Cambridge.

- 5. For other reasons, the proposed installation will not impair the integrity of the district or adjoining district or otherwise derogate from the intent or purpose of this ordinance for the following reasons:**

The Proposed Facility is designed to blend with the existing characteristics of the Property, reducing any visual impacts to the surrounding area. Accordingly, the Proposed Facility's design results in a minimal impact on the underlying and adjacent zoning district and is consistent with the Ordinance's intention to allow for less intrusive wireless telecommunications facilities in all districts (other than Open Space), including the IB zoning districts.



As mentioned above, the proposed modifications to the existing installation will not generate any traffic, smoke, dust, heat, glare, discharge or noxious substances, nor will it pollute waterways or groundwater.

**6. The new use of the building construction is consistent with the Urban Design Objective set forth in Section 19.30 of the Ordinance:**

Not Applicable. The Applicant is not proposing to construct a new building or structure.

**IV. Summary**

The Applicant hereby requests that the Board determine that the City of Cambridge has the right to authorize the construction of the Proposed Facility through the issuance of a Building Permit, pursuant to Section 6409(a) of the Spectrum Act. Or, in the alternative, its proposed modifications to the existing telecommunications facility will not have any adverse effect on the neighborhood within which the Property is located in particular, and the City of Cambridge as a whole. The findings are made in view of the particular characteristics of the Property and of the Applicant's proposed siting and equipment, as detailed above. This Property is the most appropriate location for the installation and operation of the wireless communications facility.

For the foregoing reasons the Applicant respectfully requests that the Board grant the foregoing relief pursuant to Section 6409(a) of the Spectrum Act or, in the alternative, zoning relief in the form of a Special Permit and such other relief as the Board deems necessary to allow the installation and operation of the Applicant's Proposed Facility.

Sincerely,



Ricardo M. Sousa

Direct: 617-456-8123

Email: rsousa@princelobel.com

**BZA APPLICATION FORM**

**GENERAL INFORMATION**

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LOCATION OF PROPERTY: 141 Portland Street

TYPE OF OCCUPANCY: Telecommunications ZONING DISTRICT: Industry B

**REASON FOR PETITION:**

<u>          </u> Additions	<u>          </u> New Structure
<u>          </u> Change in Use/Occupancy	<u>          </u> Parking
<u>          </u> Conversion to Addi'l Dwelling Unit's	<u>          </u> Sign
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**SECTIONS OF ZONING ORDINANCE CITED:**

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Article 10.00 Section 10.4 - Special Permit

Article 6409 Section Middle Class Tax Relief Act

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Original Signature(s):

  
(Petitioner(s)/Owner)  
Ricardo M. Sousa, Esq.

(Print Name)

Address: One International Place, Suite 3700

Boston, MA 02110

Tel. No.: 617-456-8123

E-Mail Address: rsousa@princelobel.com

Date: May 11, 2017

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**APPLICATION FOR RELIEF UNDER  
SECTION 6409(a) OF THE SPECTRUM ACT  
OR FOR SPECIAL PERMIT  
For a Modification to a  
WIRELESS COMMUNICATION FACILITY**

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**T-Mobile Northeast LLC**

**c/o Ricardo M. Sousa, Esq.  
Prince Lobel Tye LLP  
One International Place, Suite 3700  
Boston, MA 02110**

**Applicant**

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**Property Location:  
141 Portland Street  
Cambridge, MA 02139  
Map 42, Lot 70**

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**Prepared by: Ricardo M. Sousa, Esq.  
Prince Lobel Tye LLP  
One International Place, Suite 3700  
Boston, MA 02110  
Telephone: (617) 456-8123  
Facsimile: (617) 456-8100**

**May 11, 2017**

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## **TABLE OF CONTENTS**

### **APPLICATION TO THE BOARD OF ZONING APPEALS For Relief under Section 6409 of the Spectrum Act Or For a Special Permit for a WIRELESS COMMUNICATION FACILITY**

**Property located at:**

**141 Portland Street  
Cambridge, MA 02139**

**Map 42, Lot 70**

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Board of Zoning Appeals Special Permit Application	Tab 1
Zoning Supporting Statement	Tab 2
Plans	Tab 3
Photograph Simulations	Tab 4
FCC License	Tab 5
Previous Decision	Tab 6
Eligible Facilities Request	Tab 7

**1**



**BZA APPLICATION FORM**

**CHECK LIST**

PROPERTY LOCATION: 141 Portland Street DATE: 5/11/2017

PETITIONER OR REPRESENTATIVE: Ricardo M. Sousa, Esq. for T-Mobile Northeast LLC

ADDRESS & PHONE: One International Place, Suite 3700, Boston, MA 02110

BLOCK: 42 LOT: 70

PLEASE CHECK THAT YOU HAVE INCLUDED THE FOLLOWING WITH YOUR APPLICATION. APPLICATIONS WILL NOT BE ACCEPTED FOR PROCESSING & SCHEDULING UNLESS ALL REQUIRED DOCUMENTS ARE PROVIDED.

PLEASE INCLUDE THIS CHECKLIST WITH YOUR APPLICATION.  
ALL DOCUMENTS ARE TO BE TYPED OR WRITTEN LEGIBLY.

<u>DOCUMENTS</u>	<u>REQUIRED</u>	<u>ENCLOSED</u>
Application Form	<u>X</u>	<u>X</u>
<b>3 Forms with Original Signatures</b>		
Supporting Statements - Scanned & 1 set to Zoning	<u>X</u>	<u>X</u>
Application Fee (You will receive invoice online)	<u>X</u>	<u>X</u>
Assessor's GIS "Block Map" (Available on line or At Engineering Dept. - 147 Hampshire Street)	<u>X</u>	<u>X</u>
Dimensional Form - Refer to Cambridge Zoning Ordinance - Scanned & 1 set to Zoning (Subject to further review by Zoning Specialist)	<u>X</u>	<u>X</u>
Ownership Certificate, Notarized - Scanned & 1 set to Zoning	<u>X</u>	<u>X</u>
Floor Plans - Scanned & 1 set to Zoning	<u>X</u>	<u>X</u>
Elevations - Scanned & 1 set to Zoning	<u>X</u>	<u>X</u>
Certified Plot Plan - Scanned & 1 set to Zoning (By Registered Land Surveyor)	<u>N/A</u>	<u>N/A</u>
Photographs of Property - Scanned & 1 set to Zoning	<u>X</u>	<u>X</u>
Parking Plan (if relevant to your application) Scanned & 1 set to Zoning	<u>N/A</u>	<u>N/A</u>
<b><u>FOR SUBDIVISION ALSO INCLUDE:</u></b> Scanned & 1 set to Zoning		
Proposed Deeds	<u>N/A</u>	<u>N/A</u>
Evidence of Separate Utilities **	<u>N/A</u>	<u>N/A</u>
Proposed Subdivision Plan	<u>N/A</u>	<u>N/A</u>

Petitioners are advised to refer to Attachment A (Procedures for applying to the Board of Zoning Appeal) & consult zoning staff for review.

**It is advisable for the Petitioner to discuss the petition with the abutters as listed in the Zoning BZA Case file.**

\* For Special Permits under Art. 4.32.G.1 (Communication Towers and Antennas), include a photo simulation.

\*\* Can be submitted after subdivision has been approved.

**BZA APPLICATION FORM**

**GENERAL INFORMATION**

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PETITIONER:   T-Mobile Northeast LLC  

PETITIONER'S ADDRESS:   Prince Lobel Tye, LLP, Attn. Ricardo M. Sousa, Esq., One International Place, Suite 3700, Boston, M.  

LOCATION OF PROPERTY:           141 Portland Street          

TYPE OF OCCUPANCY:   Telecommunications   ZONING DISTRICT:   Industry B  

**REASON FOR PETITION:**

<u>          </u> Additions	<u>          </u> New Structure
<u>          </u> Change in Use/Occupancy	<u>          </u> Parking
<u>          </u> Conversion to Addi'l Dwelling Unit's	<u>          </u> Sign
<u>          </u> Dormer	<u>          </u> Subdivision
<u>  X  </u> Other: <u>  Section 6409(a) of the Spectrum Act relief for Special Permit for the collocation of a Wireless Facility  </u>	

**DESCRIPTION OF PETITIONER'S PROPOSAL:**

The Applicant proposes to modify its existing Wireless Telecommunications Facility by collocating four (4) new panel antennas on the existing building, together with supporting equipment. The Applicants proposal complies with Section 6409 of the Spectrum Act as the collocation of antennas is not a substantial change to the existing base station. Moreover, the Applicants proposal complies with Section 4.32 and 10.4 of the Cambridge Zoning Code.

**SECTIONS OF ZONING ORDINANCE CITED:**

Article   4.00   Section   4.32 (g)(1) Utilities - Telephone Exchange  

Article   10.00   Section   10.4 - Special Permit  

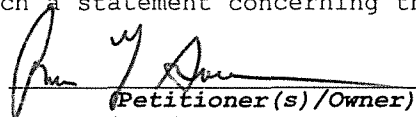
Article   6409   Section   Middle Class Tax Relief Act  

Applicants for a **Variance** must complete Pages 1-5

Applicants for a **Special Permit** must complete Pages 1-4 and 6

Applicants for an **Appeal** to the BZA of a Zoning determination by the Inspectional Services Department must attach a statement concerning the reasons for the appeal

Original Signature(s):

  
(Petitioner(s)/Owner)  
Ricardo M. Sousa, Esq.

(Print Name)

Address:   One International Place, Suite 3700  

  Boston, MA 02110  

Tel. No.:   617-456-8123  

E-Mail Address:   rsousa@princelobel.com  

Date:   May 11, 2017

**BZA APPLICATION FORM - OWNERSHIP INFORMATION**

**To be completed by OWNER, signed before a notary and returned to The Secretary of the Board of Zoning Appeals.**

I/We Kendall Square Entity, Inc. \_\_\_\_\_  
(OWNER)

Address: 141 Portland Street, Cambridge, MA 02139 \_\_\_\_\_

State that I/We own the property located at 141 Portland Street, Cambridge, MA, which is the subject of this zoning application.

The record title of this property is in the name of UST CORP. \_\_\_\_\_

\*Pursuant to a deed of duly recorded in the date 12.17.85, Middlesex South County Registry of Deeds at Book \_\_\_\_\_, Page \_\_\_\_\_; or Middlesex Registry District of Land Court, Certificate No. 175562 Book 16682 Page 565.

  
\_\_\_\_\_  
SIGNATURE BY LAND OWNER OR  
AUTHORIZED TRUSTEE, OFFICER OR AGENT\* AS AGENT

**\*Written evidence of Agent's standing to represent petitioner may be requested.**

-----  
Commonwealth of Massachusetts, County of Suffolk \_\_\_\_\_

The above-name Paul Chard personally appeared before me, this 2<sup>nd</sup> of February, 2017, and made oath that the above statement is true.

My commission expires 4/7/2017 (Notary Seal).



- If ownership is not shown in recorded deed, e.g. if by court order, recent deed, or inheritance, please include documentation.

**BZA APPLICATION FORM**

**DIMENSIONAL INFORMATION**

**APPLICANT:** T-Mobile Northeast **PRESENT USE/OCCUPANCY:** Wireless Telecommunications

**LOCATION:** 141 Portland Street **ZONE:** IB

**PHONE:** 617-456-8123 **REQUESTED USE/OCCUPANCY:** Wireless Telecommunications

	<b><u>EXISTING CONDITIONS</u></b>	<b><u>REQUESTED CONDITIONS</u></b>	<b><u>ORDINANCE REQUIREMENTS<sup>1</sup></u></b>
TOTAL GROSS FLOOR AREA:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
LOT AREA:	<u>N/A</u>		<u>N/A</u> (min.)
RATIO OF GROSS FLOOR AREA TO LOT AREA: <sup>2</sup>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
LOT AREA FOR EACH DWELLING UNIT:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
SIZE OF LOT:			
WIDTH	<u>N/A</u>		<u>N/A</u> (min.)
DEPTH			
Setbacks in Feet:			
FRONT	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
REAR	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
LEFT SIDE	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
RIGHT SIDE	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
SIZE OF BLDG.:			
HEIGHT	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
LENGTH			
WIDTH			
RATIO OF USABLE OPEN SPACE TO LOT AREA: <sup>3</sup>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
NO. OF DWELLING UNITS:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
NO. OF PARKING SPACES:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min./max)
NO. OF LOADING AREAS:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
DISTANCE TO NEAREST BLDG. ON SAME LOT:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)

Describe where applicable, other occupancies on same lot, the size of adjacent buildings on same lot, and type of construction proposed, e.g.; wood frame, concrete, brick, steel, etc.

The proposed installation involves a modification of an existing Wireless Telecommunications Facility,

more commonly referred to as a "collocation".

1. SEE CAMBRIDGE ZONING ORDINANCE ARTICLE 5.000, SECTION 5.30 (DISTRICT OF DIMENSIONAL REGULATIONS).
2. TOTAL GROSS FLOOR AREA (INCLUDING BASEMENT 7'-0" IN HEIGHT AND ATTIC AREAS GREATER THAN 5') DIVIDED BY LOT AREA.
3. OPEN SPACE SHALL NOT INCLUDE PARKING AREAS, WALKWAYS OR DRIVEWAYS AND SHALL HAVE A MINIMUM DIMENSION OF 15'.

**BZA APPLICATION FORM**

**SUPPORTING STATEMENT FOR A VARIANCE**

***EACH OF THE FOLLOWING REQUIREMENTS FOR A VARIANCE MUST BE ESTABLISHED AND SET FORTH IN COMPLETE DETAIL BY THE APPLICANT IN ACCORDANCE WITH MGL 40A, SECTION 10:***

- A)** A Literal enforcement of the provisions of this Ordinance would involve a substantial hardship, financial or otherwise, to the petitioner or appellant for the following reasons:

N/A

- B)** The hardship is owing to the following circumstances relating to the soil conditions, shape or topography of such land or structures and especially affecting such land or structures but not affecting generally the zoning district in which it is located for the following reasons:

N/A

- C)** ***DESIRABLE RELIEF MAY BE GRANTED WITHOUT EITHER:***

- 1)** Substantial detriment to the public good for the following reasons:

N/A

- 2)** Relief may be granted without nullifying or substantially derogating from the intent or purpose of this Ordinance for the following reasons:

N/A

- \*** If You have any questions as to whether you can establish all of the applicable legal requirements, you should consult with your own attorney.



**BZA APPLICATION FORM**

**SUPPORTING STATEMENT FOR A SPECIAL PERMIT**

Please describe in complete detail how you meet each of the following criteria referring to the property and proposed changes or uses which are requested in your application. Attach sheets with additional information for special permits which have additional criteria, e.g.; fast food permits, comprehensive permits, etc., which must be met.

Granting the Special Permit requested for 141 Portland Street (location) would not be a detriment to the public interest because:

- A)** Requirements of the Ordinance can or will be met for the following reasons:

Please see the attached supporting statement.

- B)** Traffic generated or patterns of access or egress would not cause congestion hazard, or substantial change in established neighborhood character for the following reasons:

Please see the attached supporting statement.

- C)** The continued operation of or the development of adjacent uses as permitted in the Zoning Ordinance would not be adversely affected by the nature of the proposed use for the following reasons:

Please see the attached supporting statement.

- D)** Nuisance or hazard would not be created to the detriment of the health, safety and/or welfare of the occupant of the proposed use or the citizens of the City for the following reasons:

Please see the attached supporting statement.

- E)** For other reasons, the proposed use would not impair the integrity of the district or adjoining district or otherwise derogate from the intent or purpose of this ordinance for the following reasons:

**BZA APPLICATION FORM**

**CHECK LIST**

PROPERTY LOCATION: 141 Portland Street DATE: 5/11/2017

PETITIONER OR REPRESENTATIVE: Ricardo M. Sousa, Esq. for T-Mobile Northeast LLC

ADDRESS & PHONE: One International Place, Suite 3700, Boston, MA 02110

BLOCK: 42 LOT: 70

PLEASE CHECK THAT YOU HAVE INCLUDED THE FOLLOWING WITH YOUR APPLICATION. APPLICATIONS WILL NOT BE ACCEPTED FOR PROCESSING & SCHEDULING UNLESS ALL REQUIRED DOCUMENTS ARE PROVIDED.

PLEASE INCLUDE THIS CHECKLIST WITH YOUR APPLICATION.  
ALL DOCUMENTS ARE TO BE TYPED OR WRITTEN LEGIBLY.

<u>DOCUMENTS</u>	<u>REQUIRED</u>	<u>ENCLOSED</u>
Application Form	<u>X</u>	<u>X</u>
<b>3 Forms with Original Signatures</b>		
Supporting Statements - Scanned & 1 set to Zoning	<u>X</u>	<u>X</u>
Application Fee (You will receive invoice online)	<u>X</u>	<u>X</u>
Assessor's GIS "Block Map" (Available on line or At Engineering Dept. - 147 Hampshire Street)	<u>X</u>	<u>X</u>
Dimensional Form - Refer to Cambridge Zoning Ordinance - Scanned & 1 set to Zoning (Subject to further review by Zoning Specialist)	<u>X</u>	<u>X</u>
Ownership Certificate, Notarized - Scanned & 1 set to Zoning	<u>X</u>	<u>X</u>
Floor Plans - Scanned & 1 set to Zoning	<u>X</u>	<u>X</u>
Elevations - Scanned & 1 set to Zoning	<u>X</u>	<u>X</u>
Certified Plot Plan - Scanned & 1 set to Zoning (By Registered Land Surveyor)	<u>N/A</u>	<u>N/A</u>
Photographs of Property - Scanned & 1 set to Zoning	<u>X</u>	<u>X</u>
Parking Plan (if relevant to your application) Scanned & 1 set to Zoning	<u>N/A</u>	<u>N/A</u>
<b><u>FOR SUBDIVISION ALSO INCLUDE:</u></b> Scanned & 1 set to Zoning		
Proposed Deeds	<u>N/A</u>	<u>N/A</u>
Evidence of Separate Utilities **	<u>N/A</u>	<u>N/A</u>
Proposed Subdivision Plan	<u>N/A</u>	<u>N/A</u>

Petitioners are advised to refer to Attachment A (Procedures for applying to the Board of Zoning Appeal) & consult zoning staff for review.

**It is advisable for the Petitioner to discuss the petition with the abutters as listed in the Zoning BZA Case file.**

\* For Special Permits under Art. 4.32.G.1 (Communication Towers and Antennas), include a photo simulation.

\*\* Can be submitted after subdivision has been approved.

**BZA APPLICATION FORM**

**GENERAL INFORMATION**

The undersigned hereby petitions the Board of Zoning Appeal for the following:

Special Permit:   X   Variance:            Appeal:           

and relief pursuant to Section 6409 of the Middle Class Tax Relief Act

PETITIONER:   T-Mobile Northeast LLC  

PETITIONER'S ADDRESS:   Prince Lobel Tye, LLP, Attn. Ricardo M. Sousa, Esq., One International Place, Suite 3700, Boston, M.  

LOCATION OF PROPERTY:           141 Portland Street          

TYPE OF OCCUPANCY:   Telecommunications   ZONING DISTRICT:   Industry B  

**REASON FOR PETITION:**

<u>          </u> Additions	<u>          </u> New Structure
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**SECTIONS OF ZONING ORDINANCE CITED:**

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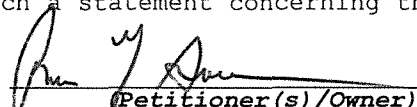
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(Print Name)

Address:   One International Place, Suite 3700  

  Boston, MA 02110  

Tel. No.:   617-456-8123  

E-Mail Address:   rsousa@princelobel.com  

Date:   May 11, 2017

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Charles Bateman AS AGENT  
SIGNATURE BY LAND OWNER OR  
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**\*Written evidence of Agent's standing to represent petitioner may be requested.**

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The above-name Paul Chard personally appeared before me, this 2nd of February, 2017, and made oath that the above statement is true.

My commission expires 4/7/2017 (Notary Seal).



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**BZA APPLICATION FORM**

**DIMENSIONAL INFORMATION**

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**PHONE:** 617-456-8123 **REQUESTED USE/OCCUPANCY:** Wireless Telecommunications

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WIDTH	<u>N/A</u>		<u>N/A</u> (min.)
DEPTH			
Setbacks in Feet:			
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**BZA APPLICATION FORM**

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**BZA APPLICATION FORM**

**CHECK LIST**

PROPERTY LOCATION: 141 Portland Street DATE: 5/11/2017

PETITIONER OR REPRESENTATIVE: Ricardo M. Sousa, Esq. for T-Mobile Northeast LLC

ADDRESS & PHONE: One International Place, Suite 3700, Boston, MA 02110

BLOCK: 42 LOT: 70

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Petitioners are advised to refer to Attachment A (Procedures for applying to the Board of Zoning Appeal) & consult zoning staff for review.

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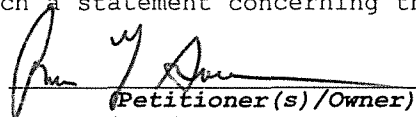
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(Print Name)

Address:   One International Place, Suite 3700  

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Tel. No.:   617-456-8123  

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AS AGENT  
SIGNATURE BY LAND OWNER OR  
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**\*Written evidence of Agent's standing to represent petitioner may be requested.**

Commonwealth of Massachusetts, County of Suffolk

The above-name Paul Chard personally appeared before me, this 2<sup>nd</sup> of February, 2017, and made oath that the above statement is true.

My commission expires 4/7/2017 (Notary Seal).



- If ownership is not shown in recorded deed, e.g. if by court order, recent deed, or inheritance, please include documentation.

**BZA APPLICATION FORM**

**DIMENSIONAL INFORMATION**

**APPLICANT:** T-Mobile Northeast **PRESENT USE/OCCUPANCY:** Wireless Telecommunications

**LOCATION:** 141 Portland Street **ZONE:** IB

**PHONE:** 617-456-8123 **REQUESTED USE/OCCUPANCY:** Wireless Telecommunications

	<b><u>EXISTING CONDITIONS</u></b>	<b><u>REQUESTED CONDITIONS</u></b>	<b><u>ORDINANCE REQUIREMENTS<sup>1</sup></u></b>
TOTAL GROSS FLOOR AREA:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
LOT AREA:	<u>N/A</u>		<u>N/A</u> (min.)
RATIO OF GROSS FLOOR AREA TO LOT AREA: <sup>2</sup>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
LOT AREA FOR EACH DWELLING UNIT:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
SIZE OF LOT:			
WIDTH	<u>N/A</u>		<u>N/A</u> (min.)
DEPTH			
Setbacks in Feet:			
FRONT	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
REAR	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
LEFT SIDE	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
RIGHT SIDE	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
SIZE OF BLDG.:			
HEIGHT	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
LENGTH			
WIDTH			
RATIO OF USABLE OPEN SPACE TO LOT AREA: <sup>3</sup>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
NO. OF DWELLING UNITS:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
NO. OF PARKING SPACES:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min./max)
NO. OF LOADING AREAS:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
DISTANCE TO NEAREST BLDG. ON SAME LOT:	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)

Describe where applicable, other occupancies on same lot, the size of adjacent buildings on same lot, and type of construction proposed, e.g.; wood frame, concrete, brick, steel, etc.

The proposed installation involves a modification of an existing Wireless Telecommunications Facility,

more commonly referred to as a "collocation".

1. SEE CAMBRIDGE ZONING ORDINANCE ARTICLE 5.000, SECTION 5.30 (DISTRICT OF DIMENSIONAL REGULATIONS).
2. TOTAL GROSS FLOOR AREA (INCLUDING BASEMENT 7'-0" IN HEIGHT AND ATTIC AREAS GREATER THAN 5') DIVIDED BY LOT AREA.
3. OPEN SPACE SHALL NOT INCLUDE PARKING AREAS, WALKWAYS OR DRIVEWAYS AND SHALL HAVE A MINIMUM DIMENSION OF 15'.

**BZA APPLICATION FORM**

**SUPPORTING STATEMENT FOR A VARIANCE**

**EACH OF THE FOLLOWING REQUIREMENTS FOR A VARIANCE MUST BE ESTABLISHED AND SET FORTH IN COMPLETE DETAIL BY THE APPLICANT IN ACCORDANCE WITH MGL 40A, SECTION 10:**

- A)** A Literal enforcement of the provisions of this Ordinance would involve a substantial hardship, financial or otherwise, to the petitioner or appellant for the following reasons:

N/A

- B)** The hardship is owing to the following circumstances relating to the soil conditions, shape or topography of such land or structures and especially affecting such land or structures but not affecting generally the zoning district in which it is located for the following reasons:

N/A

- C)** **DESIRABLE RELIEF MAY BE GRANTED WITHOUT EITHER:**

- 1)** Substantial detriment to the public good for the following reasons:

N/A

- 2)** Relief may be granted without nullifying or substantially derogating from the intent or purpose of this Ordinance for the following reasons:

N/A

- \*** If You have any questions as to whether you can establish all of the applicable legal requirements, you should consult with your own attorney.

**BZA APPLICATION FORM**

**SUPPORTING STATEMENT FOR A SPECIAL PERMIT**

Please describe in complete detail how you meet each of the following criteria referring to the property and proposed changes or uses which are requested in your application. Attach sheets with additional information for special permits which have additional criteria, e.g.; fast food permits, comprehensive permits, etc., which must be met.

Granting the Special Permit requested for 141 Portland Street (location) would not be a detriment to the public interest because:

- A)** Requirements of the Ordinance can or will be met for the following reasons:

Please see the attached supporting statement.

- B)** Traffic generated or patterns of access or egress would not cause congestion hazard, or substantial change in established neighborhood character for the following reasons:

Please see the attached supporting statement.

- C)** The continued operation of or the development of adjacent uses as permitted in the Zoning Ordinance would not be adversely affected by the nature of the proposed use for the following reasons:

Please see the attached supporting statement.

- D)** Nuisance or hazard would not be created to the detriment of the health, safety and/or welfare of the occupant of the proposed use or the citizens of the City for the following reasons:

Please see the attached supporting statement.

- E)** For other reasons, the proposed use would not impair the integrity of the district or adjoining district or otherwise derogate from the intent or purpose of this ordinance for the following reasons:



**2**

May 11, 2017

City of Cambridge  
Board of Zoning Appeals  
831 Massachusetts Avenue  
Cambridge, MA 02139

Re: Eligible Facilities Request pursuant to Section 6409 of the  
Spectrum Act and an Application for Special Permit, in the  
alternative  
Property Address: 141 Portland Street  
Assessor's Map 42, Lot 70 (the "Property")  
Applicant: T-Mobile Northeast LLC (the "Applicant")

Dear Honorable Members of the Board of Zoning Appeals:

This firm represents T-Mobile Northeast LLC ("T-Mobile") (hereinafter, the "Applicant") in connection with an application for a special permit from the City of Cambridge Board of Zoning Appeals (the "Board"), to modify an existing wireless communications facility on the Property. The Property is located in the Industry B (IB) zoning district. To the extent that the Board determines that the requirements of Article 4 Section 4.32G.1 of the City of Cambridge Zoning Ordinance (the "Ordinance") apply, the use of the Property for a wireless telecommunications facility is permitted by special permit from the Board<sup>1</sup>. The Applicant's proposal satisfies the requirements for the grant of a special permit pursuant to Section 10-43 of the Ordinance.

The Applicant's Proposed Facility (as defined herein) is subject to Section 6409 of the Middle Class Tax Relief and Job Creation Act of 2012, more commonly known as the "Spectrum Act" (47 U.S.C. § 1455). As such, we respectfully submit that in the event that the Board determines that the application does not comply with the Spectrum Act, the Applicant hereby states that the special permit requirements set forth in the Ordinance are hereby met by the Applicant, and that relief must be granted to the Applicant. The compliance with the Spectrum Act is shown on the Eligible Facilities Request permit application form attached hereto and incorporated herein by reference (the "EFR").

---

<sup>1</sup> Pursuant to Section 6409(a) of the Spectrum Act, state and local governments "may not deny and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station." As such, the Applicant submits that they need not apply for a special permit from the board. To the extent that this Board determines that the Applicants' proposed wireless facility must comply with special permit requirements set forth in Section 10-43 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.

Prince Lobel Tye LLP  
One International Place  
Suite 3700  
Boston, MA 02110  
TEL: 617 456 8000  
FAX: 617 456 8100

The Applicant seeks to modify its existing wireless communications facility by installing four (4) new panel antennas, and eight (8) Remote Radio Head Units ("RRH"), together with supporting equipment (the "Proposed Facility"). Three (3) of the proposed antennas will be concealed within two (2) new faux flue canisters. One canister will be 24" X 6' 10" and will house one antenna and another canister will be slightly larger at 30" X 6' 10" and will house two (2) antennas. The fourth antenna will be façade mounted adjacent to the existing antennas and painted to match the façade of the penthouse. The proposed antennas and RRH units will be installed on the roof of the existing building located at the Property (the "Building"). The Applicant's facilities are shown on the Plans attached hereto and incorporated herein by reference (the "Plans").

## **I. Background**

The Applicant is licensed by the Federal Communications Commission (the "FCC") to construct and operate a wireless telecommunications network in various markets throughout the country, including the Commonwealth of Massachusetts and in particular in the City of Cambridge. A copy of the Applicant's FCC license is attached hereto. The Applicant is in the process of designing and constructing a telecommunications system to serve all of the Commonwealth of Massachusetts. One of the key design objectives of its systems is to provide seamless coverage. Such a system requires a grid of radio transmitting and receiving links located approximately .5 to 2 miles apart, depending on the location of existing and proposed installations in the surrounding area, the existing use of the network and the existing topography. The radio transmitting and receiving facilities operate on a line-of-sight basis, requiring a clear path from the facility to the user on the ground. This dynamic requires the antennas to be located in a location where the signal is not obstructed or degraded by other buildings or by topographical features such as hills.

## **II. Project Description**

As noted above, the Applicant proposes to modify its existing wireless facility currently operating on the rooftop of the Building by adding four (4) new T-Mobile L700 panel antennas, together with supporting equipment. Three (3) of the proposed antennas will be concealed within two (2) new faux flue canisters. One canister will be 24" X 6' 10" and will house one antenna and another canister will be slightly larger at 30" X 6' 10" and will house two (2) antennas. The fourth antenna will be façade mounted adjacent to the existing antennas and painted to match the façade of the penthouse. The facade mounted antenna will be installed to be consistent with the previous decisions of the Board for this facility, the most recent of which is dated December 5, 2012 (Case No. 10337) (the "Decision") while the other proposed antennas are completely screened within stealth faux flue canisters, as described above. Consequently, the visual change to the Applicant's existing facility will be de minimus.

After installation, the Proposed Facility will be unmanned and will only require twice a month maintenance visits per carrier. The only utilities required to operate this Proposed Facility are standard 120-volt electrical power as well as telephone service. These are presently in place at the Property. The traffic generated by the Proposed Facility will be approximately two vehicle trips per month by maintenance personnel who will inspect the Proposed Facility to ensure it

remains in good working order. The Proposed Facility will comply with all applicable local, state and federal safety codes.

### III. Legal Arguments

#### A. The Applicant complies with the Wireless Communications provisions set forth in Section 4.32(g), footnote 49 of the Ordinance

Pursuant to Section 4.32(g) of the Ordinance, the Applicant's proposed use for a wireless communications facility in the IB zoning district is permitted by special permit. The Applicant's Proposed Facility further complies with the provisions set forth in Section 4.32(g), footnote 49 of the Ordinance:

1. **The Board of Zoning Appeal shall consider the scope of or limitations imposed by any license secured from any state or federal agency having jurisdiction over such matters.**

Enclosed herewith is the Applicant's FCC license. The Applicant meets all requirements imposed by governmental authorities having jurisdiction over the Proposed Facility, including by the FCC, to provide wireless communications in this market area.

The intent of the U.S. Congress, when it enacted the Telecommunications Act of 1996 ("TCA") was to institute a framework to promote competition and innovation within the telecommunications industry. Under its license from the FCC, T-Mobile is obligated to provide a reliable "product" (i.e. wireless communications service) to the population of the City of Cambridge. Likewise, consumer expectations for increasingly robust and reliable service requires competing service providers (including T-Mobile) to identify and remedy existing gaps in reliable network coverage, or gaps that result from increasing subscriber voice and data traffic beyond the limits of existing network infrastructure. A carrier's failure to remedy network gaps in a timely fashion can result in a significant loss of subscribers to competing telecommunications carriers. As demonstrated in the Affidavit of Radio Frequency Expert provided by the Applicant and attached hereto, the Proposed Facility and corresponding relief requested are necessary to remedy a gap in reliable service coverage within T-Mobile's existing network infrastructure.

T-Mobile investigated alternative sites in and around the defined geographic area within which its engineers determined that a facility must be located to fill the gap in service coverage and to function effectively within its network of existing and planned facilities. This is an existing location that is being upgraded with new technology to provide the necessary coverage to the subject area of the City of Cambridge. Therefore, the Proposed Facility in the IB zoning district is necessary to close the coverage gap that is illustrated on the propagation maps submitted herewith. Consequently, T-Mobile is unable to close a gap in its wireless network without obtaining the requested relief under Section 6409 of the Spectrum act or a Special Permit to modify its existing wireless facility in the IB zoning district.

Furthermore, Section 6409(a) of the Spectrum Act mandates that state and local governments “*may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station.*” Under Section 6409(a)(2)(A)-(C) an Eligible Facilities Request is any request to modify a Tower or Base Station that involves “collocations of new Transmission Equipment,” “removal,” or “replacement” of Transmission Equipment.

Because federal law now preempts many of the permit application requirements that this jurisdiction would previously have required from an Applicant, we have provided, on the attached EFR, only the information that federal law allows this jurisdiction to consider when reviewing an EFR. As such, we submit that the Wireless Communications set forth in Section 4.32(g), footnote 49 of the Ordinance, provisions are not applicable to Proposed Facility and relief must be granted pursuant to Section 6409(a) of the Spectrum Act.

- 2. The Board of Zoning Appeal shall consider the extent to which the visual impact of the various elements of the proposed facility is minimized: (1) through the use of existing mechanical elements on the building’s roof or other features of the building as support and background, (2) through the use in materials that in texture and color blend with the materials to which the facilities are attached, or (3) other effective means to reduce the visual impact of the facility on the site.**

The Applicant’s design minimizes the visual impact of the Proposed Facility. The resulting installation will have an increased capacity to better serve the City of Cambridge. The Proposed Facility will continue to comply with the Decision and the new faux flue canisters completely conceal three of the four proposed antennas and are designed to blend in with the building to the greatest extent possible. Moreover, the proposed façade mounted antenna will continue to comply with the decision in that it will be installed adjacent to the existing antennas, on low profile mounts, set down from the cornice line housing the new antennas will be painted to match the color of the existing Building and therefore will have a de-minimus impact on the existing visual conditions of the Building.

As stated above, federal law now preempts many of the permit applications requirements that the Ordinance sets forth. To the extent that this Board determines that the Applicants’ proposed wireless facility must comply with the Wireless Communications provisions set forth in Section 4.32(g), footnote 49 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.

3. Where it is proposed to erect such a facility in any residential zoning district, the extent to which there is a demonstrated public need for the facility at the proposed locations, the existence of alternative, functionally suitable sites in nonresidential locations, the character of the prevailing uses in the area, and the prevalence of other existing mechanical systems and equipment carried on or above the roof of nearby structures. The Board of Zoning Appeal shall grant a special permit to erect such a facility in a residential zoning district only upon a finding that nonresidential uses predominate in the vicinity of the proposed facility's location and that the telecommunications facility is not inconsistent with the character that does prevail in the surrounding neighborhood.

Not Applicable, the Property and Proposed Facility are located in the IB zoning district.

**B. The Applicant complies with the Special Permit Criteria set forth in Section 10-43 of the Ordinance<sup>2</sup>:**

1. The requirements of the Ordinance can be met:

As provided above, the Applicant has met the requirements set forth in Section 4.32(g), footnote 49 of the Ordinance.

2. Traffic generated or patterns of access or egress would not cause congestion hazard, or substantial change in established neighborhood character for the following reasons:

The proposed installation will not obstruct existing rights-of-way or pedestrian access and will not change the daily conditions of access, egress, traffic, congestion hazard, or character of the neighborhood. The installation will not require the addition of any new parking or loading spaces. The use is passive and will not change the current conditions or appearance surrounding the Building. The facility will not produce any odors, fumes, noise or waste. There will be no need for water, sewer, or other municipal services.

As mentioned above, once modified, the facility will be unmanned and will only require infrequent visits by a technician, typically two times per month for routine diagnostics and/or maintenance, except in cases of emergency. These infrequent visits will not result in any material increase in traffic or disruption to patterns of access or egress that will cause congestion hazards or cause a substantial change in the established neighborhood character. The Applicant's maintenance personnel will make use of the existing access roads and parking at the Building.

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<sup>2</sup> Pursuant to Section 6409(a) of the Spectrum Act, state and local governments "may not deny and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station." As such, the Applicant submits that they need not apply for a special permit from the board. To the extent that this Board determines that the Applicants' proposed wireless facility must comply with special permit requirements set forth in Section 10-43 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.

- 3. The continued operation of or the development of adjacent uses as permitted in the Zoning Ordinance would not be adversely affected by the nature of the proposed use for the following reasons:**

As described above and illustrated on the attached photograph simulations, the modification of the existing facility will produce a minimal change in the appearance of the Building. The modification of the existing facility will blend with the existing characteristics of the Building and the surrounding neighborhood. Moreover, the proposed installation will not generate any traffic, smoke, dust, heat, glare, discharge of noxious substances, nor will it pollute waterways or groundwater. Conversely, the surrounding properties and general public will benefit from the potential to enjoy improved wireless communication.

- 4. Nuisance or hazard would not be created to the detriment of the health, safety, and/or welfare of the occupant of the proposed use or the citizens of the City for the following reasons:**

The operations of the proposed telecommunications facility will not adversely impact the health, safety, and the welfare of the residents of the City of Cambridge. On the contrary, the proposed use will benefit the City and promote the safety and welfare of its residents, businesses and drivers by providing reliable state-of-the-art digital wireless voice and data services. Further, the site will improve the reliability of emergency communications with the police and fire departments by eliminating dropped or blocked calls due to inadequate signal strength or insufficient network capacity to handle call volume, particularly important during emergency situations.

The Proposed Facility will comply with all federal, state and local safety requirements including the standards established by the FCC, Federal Aviation Administration (FAA), the American Standards Institute (ANSI), and the Massachusetts Department of Public Health (MDPH).

Accordingly, the Proposed Facility will not adversely impact the health, safety and/or welfare of the neighborhood or the residents of the City of Cambridge.

- 5. For other reasons, the proposed installation will not impair the integrity of the district or adjoining district or otherwise derogate from the intent or purpose of this ordinance for the following reasons:**

The Proposed Facility is designed to blend with the existing characteristics of the Property, reducing any visual impacts to the surrounding area. Accordingly, the Proposed Facility's design results in a minimal impact on the underlying and adjacent zoning district and is consistent with the Ordinance's intention to allow for less intrusive wireless telecommunications facilities in all districts (other than Open Space), including the IB zoning districts.

As mentioned above, the proposed modifications to the existing installation will not generate any traffic, smoke, dust, heat, glare, discharge or noxious substances, nor will it pollute waterways or groundwater.

**6. The new use of the building construction is consistent with the Urban Design Objective set for tin Section 19.30 of the Ordinance:**

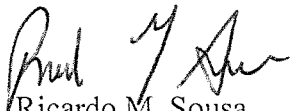
Not Applicable. The Applicant is not proposing to construct a new building or structure.

**IV. Summary**

The Applicant hereby requests that the Board determine that the City of Cambridge has the right to authorize the construction of the Proposed Facility through the issuance of a Building Permit, pursuant to Section 6409(a) of the Spectrum Act. Or, in the alternative, its proposed modifications to the existing telecommunications facility will not have any adverse effect on the neighborhood within which the Property is located in particular, and the City of Cambridge as a whole. The findings are made in view of the particular characteristics of the Property and of the Applicant's proposed siting and equipment, as detailed above. This Property is the most appropriate location for the installation and operation of the wireless communications facility.

For the foregoing reasons the Applicant respectfully requests that the Board grant the foregoing relief pursuant to Section 6409(a) of the Spectrum Act or, in the alternative, zoning relief in the form of a Special Permit and such other relief as the Board deems necessary to allow the installation and operation of the Applicant's Proposed Facility.

Sincerely,



Ricardo M. Sousa

Direct: 617-456-8123

Email: [rsousa@princelobel.com](mailto:rsousa@princelobel.com)



3

B0033/141 PORTLAND

141 PORTLAND STREET  
CAMBRIDGE, MA 02139

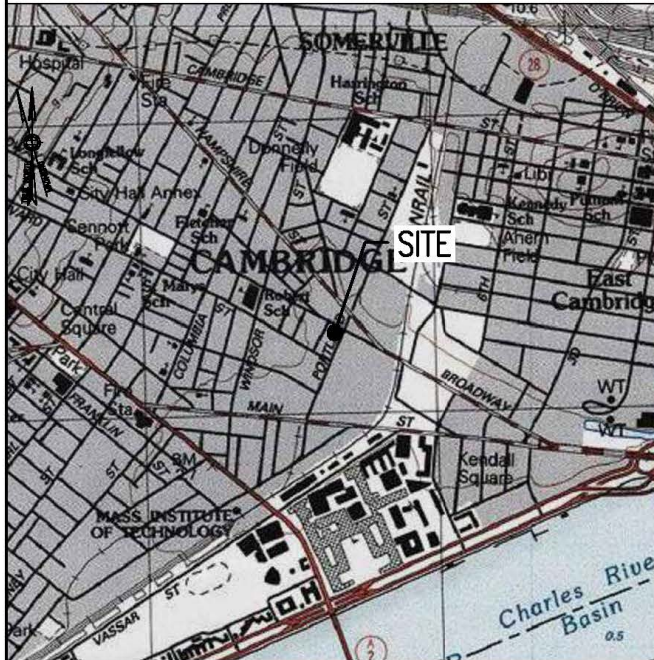
SITE NO.: 4DE7033A

SITE TYPE: UPGRADE L1900 - 4SEC-792D

## GENERAL NOTES

1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE PROJECT OWNER'S REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS / CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURERS' / VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY CONSTRUCTION CONTROL SURVEYS, ESTABLISHING AND MAINTAINING ALL LINES AND GRADES REQUIRED TO CONSTRUCT ALL IMPROVEMENTS AS SHOWN HEREIN.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
13. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
14. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
15. THE CONTRACTOR SHALL NOTIFY THE PROJECT OWNER'S REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE PROJECT OWNER'S REPRESENTATIVE.
16. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
17. ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL THE FOLLOWING FOR ALL PRE-CONSTRUCTION NOTIFICATION 72-HOURS PRIOR TO ANY EXCAVATION ACTIVITY:  
DIG SAFE SYSTEM (WA, ME, NH, RI, VT): 1-888-344-7233  
CALL BEFORE YOU DIG (CT): 1-800-422-4455

## VICINITY MAP:

$$1'' = 1000'$$


## DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE PROJECT OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

## SHEET INDEX

[illegible]

## PROJECT SUMMARY

SITE NUMBER:	4DE7033A
SITE NAME:	B0033/141 PORTLAND
SITE ADDRESS:	141 PORTLAND STREET CAMBRIDGE, MA 02139
ASSESSOR'S PARCEL NO.:	MAP 42 LOT 70
ZONING DISTRICT:	INDUSTRY B
CONSTRUCTION TYPE:	UPGRADE L1900
LAND OWNER:	U.S.T. FINANCIAL PLANNING CO., INC. C/O MATTHEW PANOS 1270 SOLDIERS FIELD ROAD BRIGHTON, MA 02135
APPLICANT:	T-MOBILE NORTHEAST LLC 15 COMMERCE WAY, SUITE B NORTON, MA 02766
ARCHITECT:	CHAPPELL ENGINEERING ASSOCIATES, LLC 201 BOSTON POST ROAD WEST, SUITE 101 MARLBOROUGH, MA 01752
STRUCTURAL ENGINEER:	CHAPPELL ENGINEERING ASSOCIATES, LLC 201 BOSTON POST ROAD WEST, SUITE 101 MARLBOROUGH, MA 01752

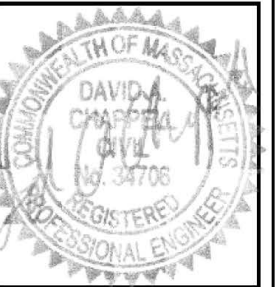


T-MOBILE NORTHEAST LLC  
15 COMMERCE WAY, SUITE B  
NORTON, MA 02766  
OFFICE: (508) 286-2700



Civil · Structural · Land Surveying

**R.K. EXECUTIVE CENTRE  
201 BOSTON POST ROAD WEST  
SUITE 101  
MARLBOROUGH, MA 01752  
(508)481-7400  
[www.chappellengineering.com](http://www.chappellengineering.com)**



## APPROVALS

STRUCTURE OWNER \_\_\_\_\_  
LEASING \_\_\_\_\_  
R.F. \_\_\_\_\_  
ZONING \_\_\_\_\_  
CONSTRUCTION \_\_\_\_\_  
A/E \_\_\_\_\_

PROJECT NO:	4DE7033A
-------------	----------

DRAWN BY: CMC

CHECKED BY: JMT

VERSION

1	04/13/17	CONSTRUCTION
0	09/12/16	CONSTRUCTION REVIEW

THIS DOCUMENT IS THE CREATION, DESIGN,  
PROPERTY AND COPYRIGHTED WORK OF  
T-MOBILE NORTHEAST LLC. ANY DUPLICATION  
OR USE WITHOUT EXPRESS WRITTEN CONSENT  
IS STRICTLY PROHIBITED. DUPLICATION AND USE  
BY GOVERNMENT AGENCIES FOR THE PURPOSES  
OF CONDUCTING THEIR LAWFULLY AUTHORIZED  
REGULATORY AND ADMINISTRATIVE FUNCTIONS  
IS SPECIFICALLY ALLOWED.

4DE7033A  
B0033/141 PORTLAND

141 PORTLAND STREET  
CAMBRIDGE, MA 02139

**SHEET TITLE**

**TITLE SHEET**

SHEET NUMBER

T-1



GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:  
CONTRACTOR – T-MOBILE  
SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)  
OWNER – T-MOBILE  
OEM – ORIGINAL EQUIPMENT MANUFACTURER
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL, STATE AND FEDERAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
5. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NEEDED TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER, T1 CABLES AND GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TIE/O PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR AND/OR LANDLORD PRIOR TO CONSTRUCTION.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION AND RETURN DISTURBED AREAS TO ORIGINAL CONDITIONS.
13. THE SUBCONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
14. SUBCONTRACTOR SHALL NOTIFY CHAPPELL ENGINEERING ASSOCIATES, LLC 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING TRENCHES, SEALING ROOF AND WALL PENETRATIONS AND POST DOWNS, FINISHING NEW WALLS OR FINAL ELECTRICAL CONNECTIONS FOR ENGINEERING REVIEW.
15. CONSTRUCTION SHALL COMPLY WITH ALL T-MOBILE STANDARDS AND SPECIFICATIONS.
16. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
17. THE EXISTING CELL SITES ARE IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
18. IF THE EXISTING CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

SITE WORK GENERAL NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION.
3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
4. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
5. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
6. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
7. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
8. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING, OWNER AND/OR LOCAL UTILITIES.
9. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
10. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
11. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE T-MOBILE SPECIFICATION FOR SITE SIGNAGE.

CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 338, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. A HIGHER STRENGTH (400PSI) MAY BE USED. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 381 CODE REQUIREMENTS
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:  
CONCRETE CAST AGAINST EARTH.....3 IN.  
CONCRETE EXPOSED TO EARTH OR WEATHER:  
#8 AND LARGER .....2 IN.  
#5 AND SMALLER & WWF .....1½ IN.  
CONCRETE NOT EXPOSED TO EARTH OR WEATHER  
OR NOT CAST AGAINST THE GROUND:  
SLAB AND WALL .....¾ IN.  
BEAMS AND COLUMNS .....½ IN.
5. A CHAMFER ¾" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
6. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHORS SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO THE MANUFACTURERS RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL WHEN DRILLING HOLES IN CONCRETE. SPECIAL INSPECTIONS, REQUIRED BY GOVERNING CODES, SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURER'S MAXIMUM ALLOWABLE LOADS. ALL EXPANSION/WEDGE ANCHORS SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED. EXPANSION BOLTS SHALL BE PROVIDED BY SIMPSON OR APPROVED EQUAL.
7. CONCRETE CYLINDER TIES ARE NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 50 CUBIC YARDS (BC1905.6.2.3) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER:  
(A) RESULTS OF CONCRETE CYLINDER TEST PERFORMED AT THE SUPPLIERS PLANT.  
(B) CERTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR THE CONCRETE GRADE SUPPLIED.  
FOR GREATER THAN 50 CUBIC YARDS THE GC SHALL PERFORM THE CONCRETE CYLINDER TEST.
8. AS AN ALTERNATIVE TO ITEM 7, TEST CYLINDERS SHALL BE TAKEN INITIALLY AND THEREAFTER FOR EVERY 50 YARDS OF CONCRETE FROM EACH DIFFERENT BATCH PLANT.
9. EQUIPMENT SHALL NOT BE PLACED ON NEW PADS FOR SEVEN DAYS AFTER PAD IS POURED, UNLESS IT IS VERIFIED BY CILINDER TESTS THAT COMPRESSIVE STRENGTH HAS BEEN ATTAINED.

STRUCTURAL STEEL NOTES:

1. ALL STEEL WORK SHALL BE PAINTED OR GALVANIZED IN ACCORDANCE WITH THE DRAWINGS AND T-MOBILE SPECIFICATIONS UNLESS OTHERWISE NOTED. STRUCTURAL STEEL SHALL BE ASTM-A-36 UNLESS OTHERWISE NOTED ON THE SITE SPECIFIC DRAWINGS. STEEL DESIGN, INSTALLATION AND BOLTING SHALL BE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "MANUAL OF STEEL CONSTRUCTION".
2. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 9TH EDITION. PAINTED SURFACES SHALL BE TOUCHED UP.
3. BOLTED CONNECTIONS SHALL USE BEARING TYPE ASTM A325 BOLTS (¾"x6) AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE GALVANIZED OR STAINLESS STEEL.
4. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE ¾" DIA. ASTM A 307 BOLTS (GALV) UNLESS NOTED OTHERWISE.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER REVIEW & APPROVAL ON PROJECTS REQUIRING STRUCTURAL STEEL.
6. ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.

SOIL COMPACTION NOTES FOR SLAB ON GRADE:

1. EXCAVATE AS REQUIRED TO REMOVE VEGETATION AND TOPSOIL TO EXPOSE NATURAL SUBGRADE AND PLACE CRUSHED STONE AS REQUIRED.
2. COMPACTION CERTIFICATION: AN INSPECTION AND WRITTEN CERTIFICATION BY A QUALIFIED GEOTECHNICAL TECHNICIAN OR ENGINEER IS ACCEPTABLE.
3. AS AN ALTERNATE TO INSPECTION AND WRITTEN CERTIFICATION, THE "UNDISTURBED SOIL" BASE SHALL BE COMPACTED WITH "COMPACTION EQUIPMENT", LISTED BELOW, TO AT LEAST 90% MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM D 1557 METHOD C.
4. COMPACTED SUBBASE SHALL BE UNIFORM AND LEVELED. PROVIDE 6" MINIMUM CRUSHED STONE OR GRAVEL COMPACTED IN 3" LIFTS ABOVE COMPACTED SOIL. GRAVEL SHALL BE NATURAL OR CRUSHED WITH 100% PASSING #1 SIEVE.
5. AS AN ALTERNATE TO ITEMS 2 AND 3, THE SUBGRADE SOILS WITH 5 PASSES OR A MEDIUM SIZED VIBRATORY PLATE COMPACTOR (SUCH AS BOMAG BPR 30/38) OR HAND-OPERATED SINGLE DRUM VIBRATORY ROLLER (SUCH AS BOMAG BW 55E). AND SOFT AREAS THAT ARE ENCOUNTERED SHOULD BE REMOVED AND REPLACED WITH A WELL-GRADED GRANULAR FILL AND COMPACTED AS STATED ABOVE.

COMPACTION EQUIPMENT:

1. HAND OPERATED DOUBLE DRUM, VIBRATORY ROLLER, VIBRATORY PLATE COMPACTOR OR JUMPING JACK COMPACTOR.

CONSTRUCTION NOTES:

1. FIELD VERIFICATION:  
SUBCONTRACTOR SHALL FIELD VERIFY SCOPE OF WORK, T-MOBILE ANTENNA PLATFORM LOCATION AND UTILITY TRENCHWORK.
2. COORDINATION OF WORK:  
SUBCONTRACTOR SHALL COORDINATE RF WORK AND PROCEDURES WITH CONTRACTOR.
3. CABLE LADDER RACK:  
SUBCONTRACTOR SHALL FURNISH AND INSTALL CABLE LADDER RACK, CABLE TRAY AND/OR ICE BRIDGE, AND CONDUIT AS REQUIRED TO SUPPORT CABLES TO THE NEW BTS LOCATION.

ELECTRICAL INSTALLATION NOTES:

1. WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
2. SUBCONTRACTOR SHALL MODIFY OR INSTALL CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLEING TO THE NEW BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL.
3. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELCORDIA.
4. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
5. EACH END OF EVERY POWER, GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA, AND MATCH INSTALLATION REQUIREMENTS.
6. POWER PHASE CONDUCTORS (I.E., HOTS) SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, ½ INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC AND OSHA.
7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
9. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#34 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
12. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS, OR BELOW GRADE, SHALL BE SINGLE CONDUCTOR #2 AWG SOLID TINNED COPPER CABLE, UNLESS OTHERWISE SPECIFIED.
13. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#34 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
14. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WRENUTS BY HARGER (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).
15. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
16. NEW RACEWAY OR CABLE TRAY WILL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
17. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
18. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
19. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
20. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND, DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
21. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
22. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
23. CABINETS, BOXES AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
24. CABINETS, BOXES AND WIREWAYS TO MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
25. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PENDANT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
26. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
27. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
28. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
29. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
30. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.
31. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
32. CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.



T-MOBILE NORTHEAST LLC  
15 COMMERCE WAY, SUITE B  
NORTON, MA 02766  
OFFICE: (508) 288-2700



R.K. EXECUTIVE CENTRE  
201 BOSTON POST ROAD WEST  
SUITE 101  
MARLBOROUGH, MA 01752  
(508)481-7400  
www.chappellengineering.com



APPROVALS

STRUCTURE OWNER \_\_\_\_\_  
LEASING \_\_\_\_\_  
R.F. \_\_\_\_\_  
ZONING \_\_\_\_\_  
CONSTRUCTION \_\_\_\_\_  
A/E \_\_\_\_\_

PROJECT NO: 4DE7033A

DRAWN BY: CMC

CHECKED BY: JMT

VERSION

1	04/13/17	CONSTRUCTION
0	08/12/16	CONSTRUCTION REVIEW

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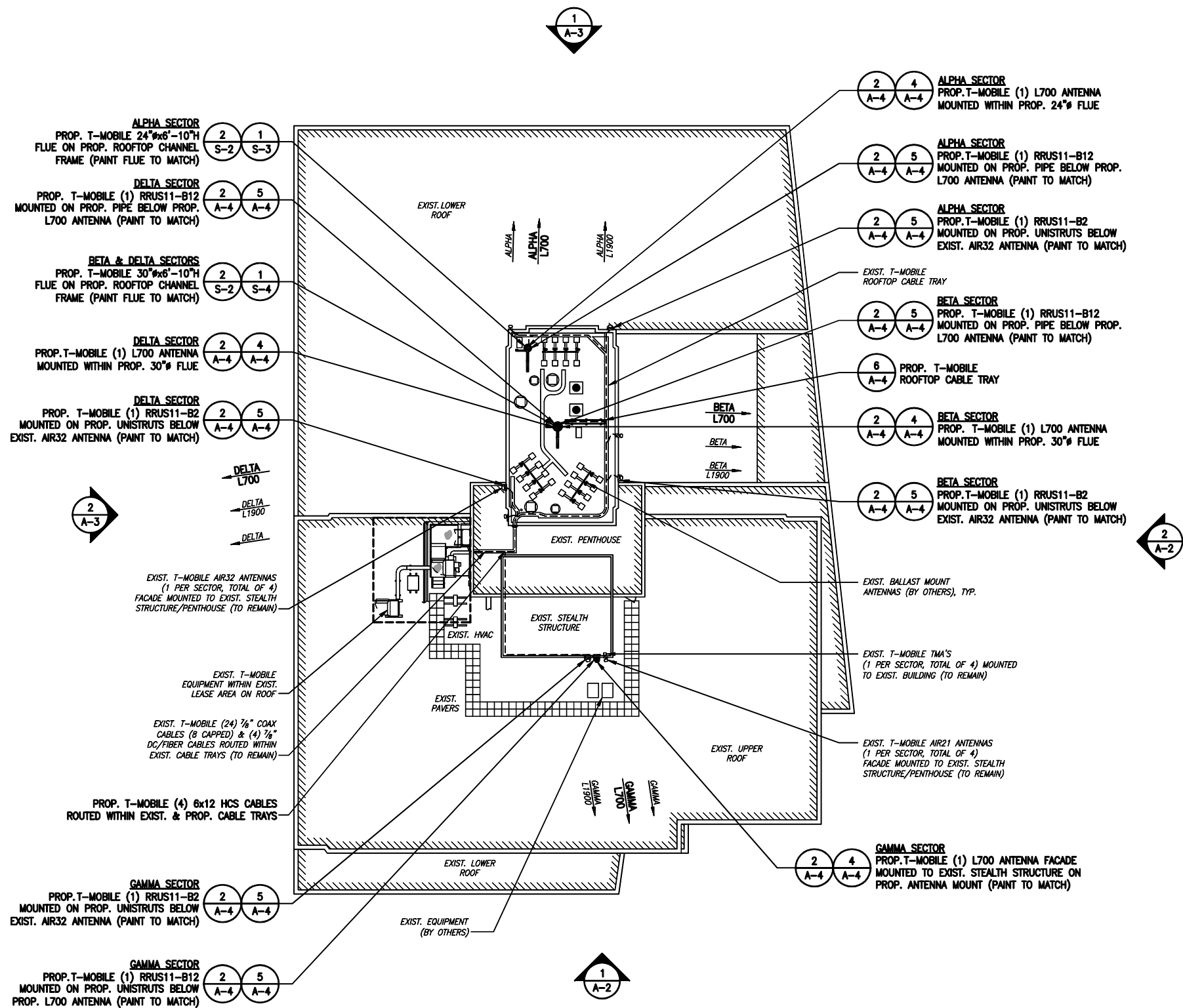
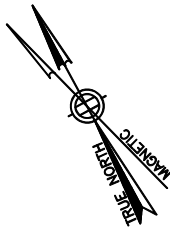
SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-1





## EQUIPMENT SCHEDULE

### CURRENT EQUIPMENT

- FOUR (4) ERICSSON AIR21 B2a/B4p ANTENNAS
- FOUR (4) ERICSSON AIR32 B4a/B2p ANTENNAS
- FOUR (4) UMTS TMA'S
- TWENTY-FOUR (24) 7/8" COAX CABLES (8 CAPPED)
- FOUR (4) 7/8" DC/FIBER CABLES
- ONE (1) GPS ANTENNA AND ASSOCIATED 1/2" COAX CABLE
- ONE (1) ERICSSON RBS 2106 EQUIPMENT CABINET
- ONE (1) ERICSSON RBS 3106 EQUIPMENT CABINET
- ONE (1) ERICSSON RBS 6102 EQUIPMENT CABINET
- ONE (1) 200A ELECTRIC PANEL

### EQUIPMENT TO BE REMOVED

- NONE

### EQUIPMENT TO BE ADDED

- FOUR (4) COMMScope LNX-6514DS-A1M 6' PANEL ANTENNAS
- FOUR (4) RRUS11 B12
- FOUR (4) RRUS32 B2
- FOUR (4) 6x12 HCS CABLES

### FINAL EQUIPMENT CONFIGURATION

- FOUR (4) ERICSSON AIR21 B2a/B4p ANTENNAS
- FOUR (4) ERICSSON AIR32 B4a/B2p ANTENNAS
- FOUR (4) COMMScope LNX-6514DS-A1M 6' PANEL ANTENNAS
- FOUR (4) UMTS TMA'S
- FOUR (4) RRUS11 B12
- FOUR (4) RRUS32 B2
- TWENTY-FOUR (24) 7/8" COAX CABLES (8 CAPPED)
- FOUR (4) 7/8" DC/FIBER CABLES
- FOUR (4) 6x12 HCS CABLES
- ONE (1) GPS ANTENNA AND ASSOCIATED 1/2" COAX CABLE
- ONE (1) ERICSSON RBS 2106 EQUIPMENT CABINET
- ONE (1) ERICSSON RBS 3106 EQUIPMENT CABINET
- ONE (1) ERICSSON RBS 6102 EQUIPMENT CABINET
- ONE (1) 200A ELECTRIC PANEL

EXISTING EQUIPMENT SPACE REQUIREMENTS WILL NOT CHANGE

RF CONFIGURATION  
4SEC-792D

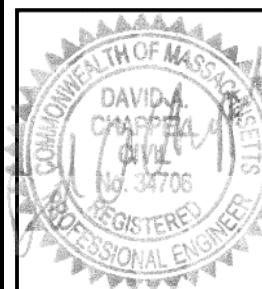
**T-Mobile**

T-MOBILE NORTHEAST LLC  
15 COMMERCE WAY, SUITE B  
NORTON, MA 02766  
OFFICE: (508) 286-2700

**CHAPPELL  
ENGINEERING  
ASSOCIATES, LLC**

Civil - Structural - Land Surveying

R.K. EXECUTIVE CENTRE  
201 BOSTON POST ROAD WEST  
SUITE 101  
MARLBOROUGH, MA 01752  
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CONSTRUCTION \_\_\_\_\_  
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### SHEET TITLE

ROOF PLAN

### SHEET NUMBER

A-1



APPROVALS

STRUCTURE OWNER \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

PROJECT NO: 4DE7033A

DRAWN BY: CMC

CHECKED BY: JMT

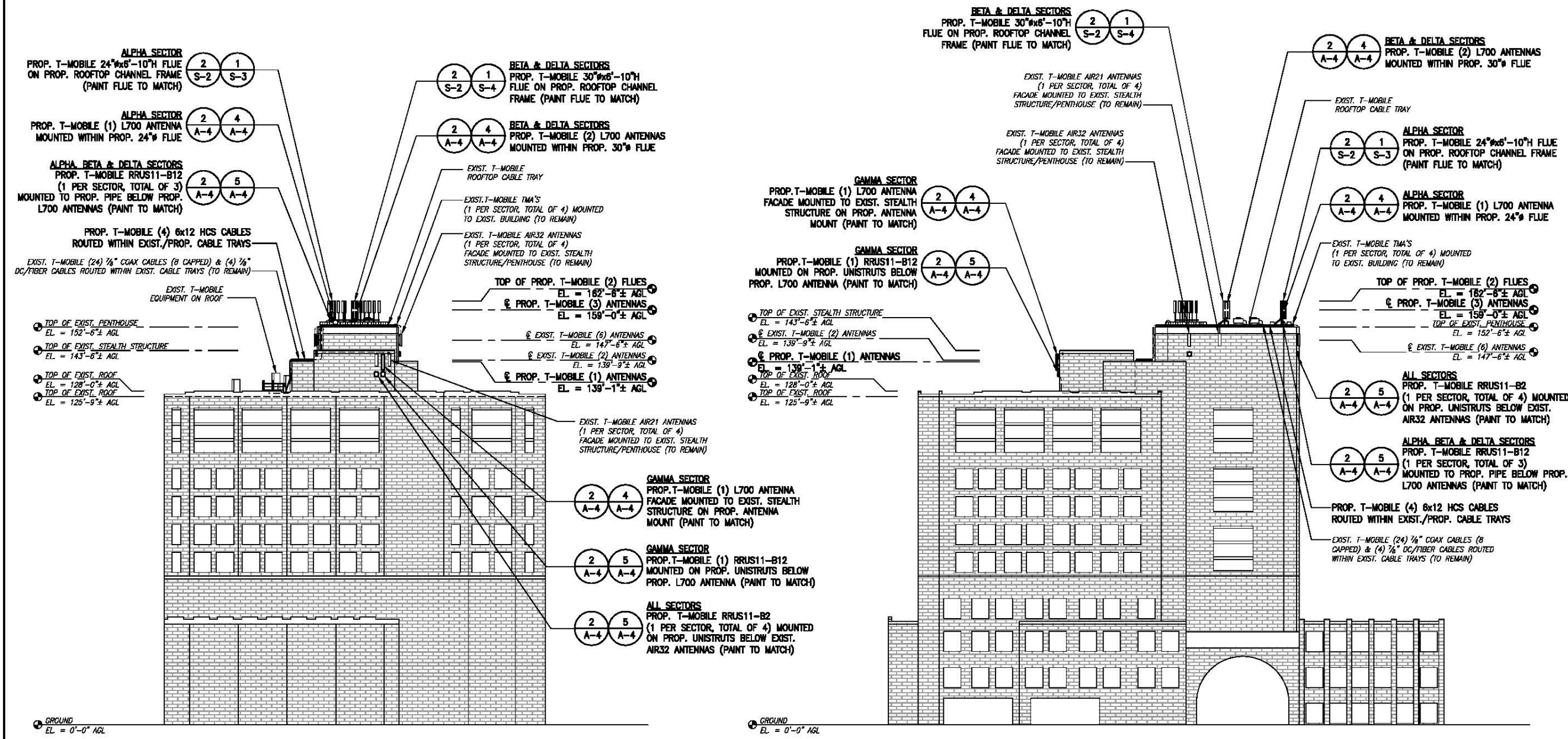
VERSION		
1	04/13/17	CONSTRUCTION
0	08/12/16	CONSTRUCTION REVIEW

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4DE7033A  
B0033/141 PORTLAND  
141 PORTLAND STREET  
CAMBRIDGE, MA 02139

SHEET TITLE  
SOUTH ELEVATIONS

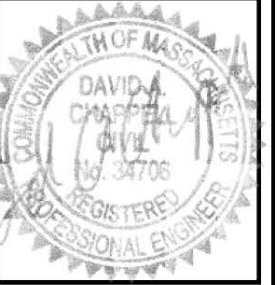
SHEET NUMBER  
A-2



**SOUTHWEST ELEVATION** 1  
SCALE: 1" = 20'-0"  
0 10' 20' 40' 60'

**SOUTHEAST ELEVATION** 2  
SCALE: 1" = 20'-0"  
0 10' 20' 40' 60'





APPROVALS

STRUCTURE OWNER \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

PROJECT NO: 4DE7033A

DRAWN BY: CMC

CHECKED BY: JMT

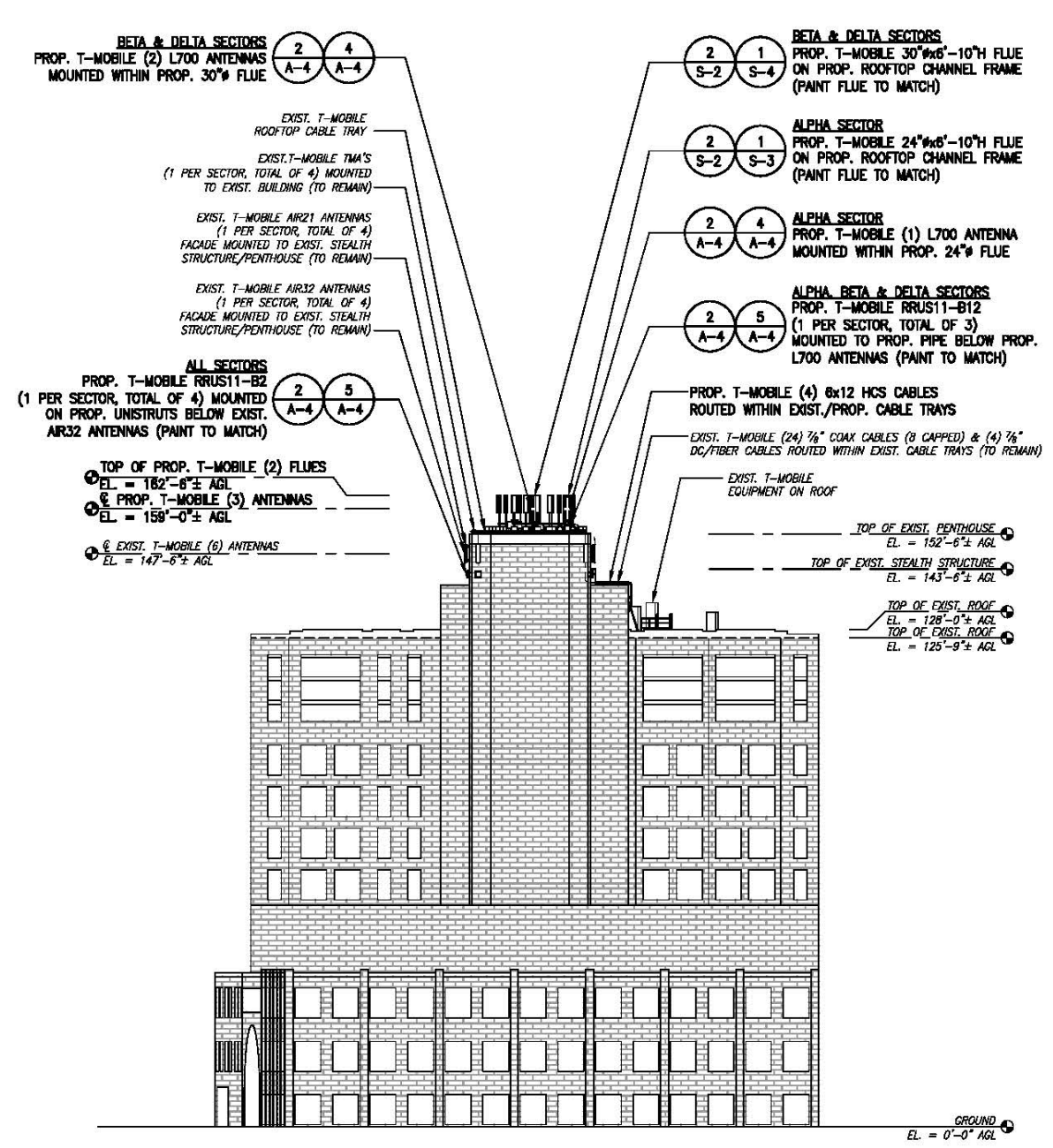
VERSION		
1	04/13/17	CONSTRUCTION
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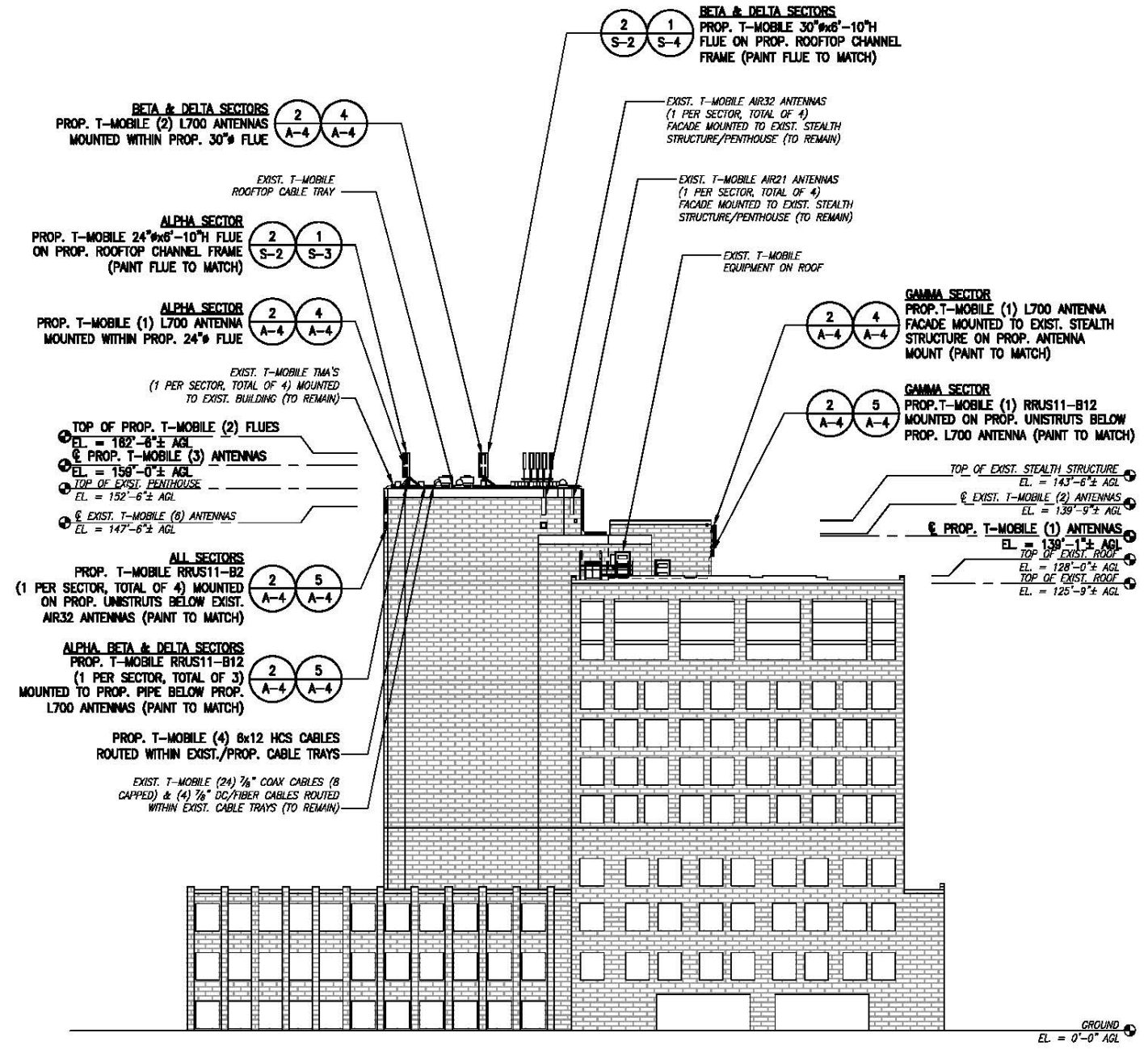
4DE7033A  
B0033/141 PORTLAND  
141 PORTLAND STREET  
CAMBRIDGE, MA 02139

SHEET TITLE  
NORTH ELEVATIONS

SHEET NUMBER  
A-3



NORTHEAST ELEVATION 1  
SCALE: 1" = 20'-0"  
0 10' 20' 40' 60'



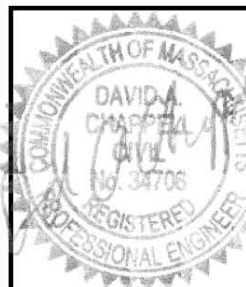
NORTHWEST ELEVATION 2  
SCALE: 1" = 20'-0"  
0 10' 20' 40' 60'



**T-Mobile**  
T-MOBILE NORTHEAST LLC  
15 COMMERCE WAY, SUITE B  
NORTON, MA 02766  
OFFICE: (508) 288-2700

**CHAPPELL ENGINEERING ASSOCIATES, LLC**  
Civil - Structural - Land Surveying

R.K. EXECUTIVE CENTRE  
201 BOSTON POST ROAD WEST  
SUITE 101  
MARLBOROUGH, MA 01752  
(508) 481-7400  
www.chappellengineering.com



APPROVALS

STRUCTURE OWNER \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

PROJECT NO: 4DE7033A

DRAWN BY: CMC

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VERSION		
1	04/13/17	CONSTRUCTION
0	08/12/16	CONSTRUCTION REVIEW

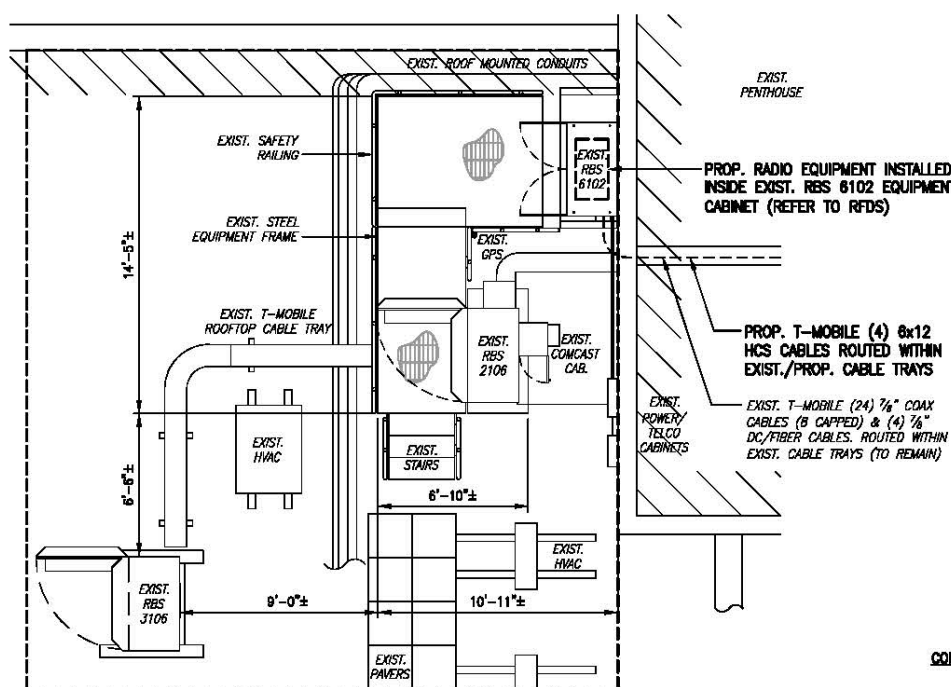
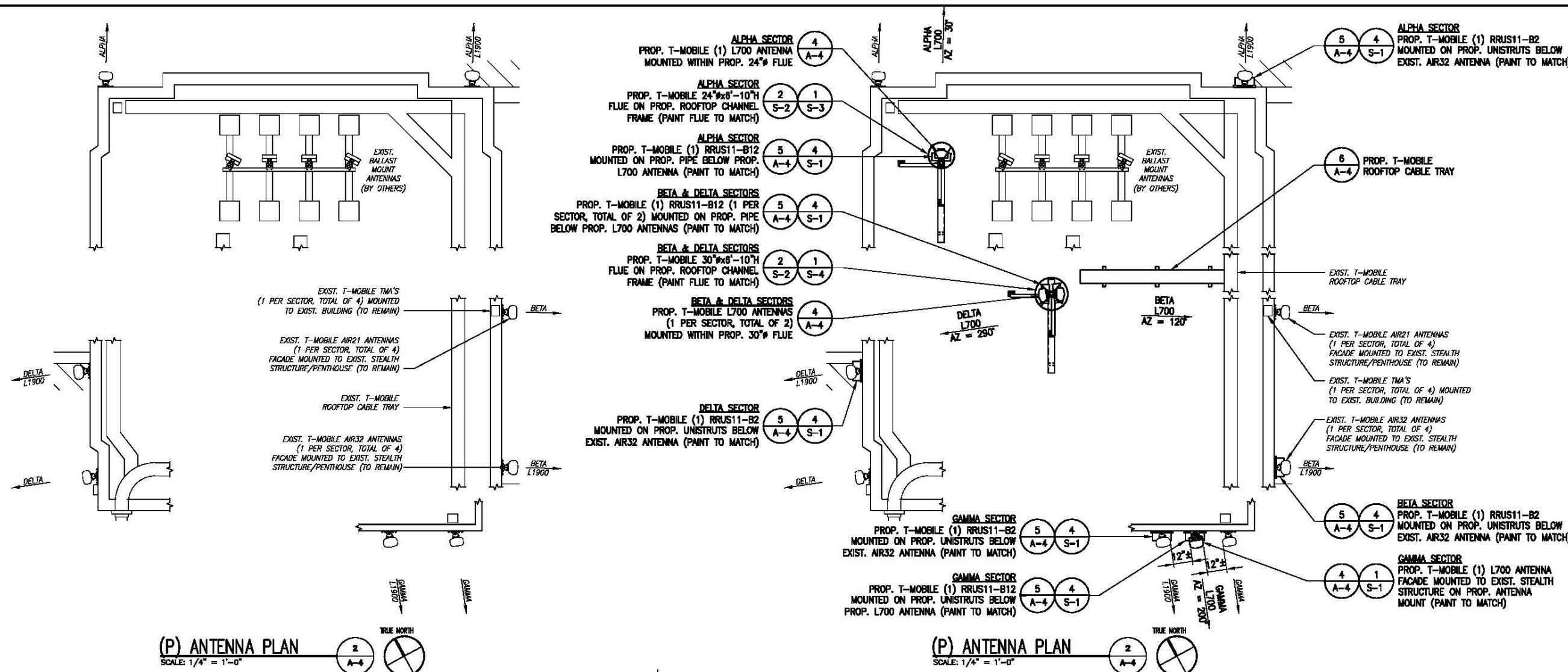
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B0033/141 PORTLAND  
141 PORTLAND STREET  
CAMBRIDGE, MA 02139

SHEET TITLE  
SITE DETAILS

SHEET NUMBER  
A-4

SEALED NO. 162,521



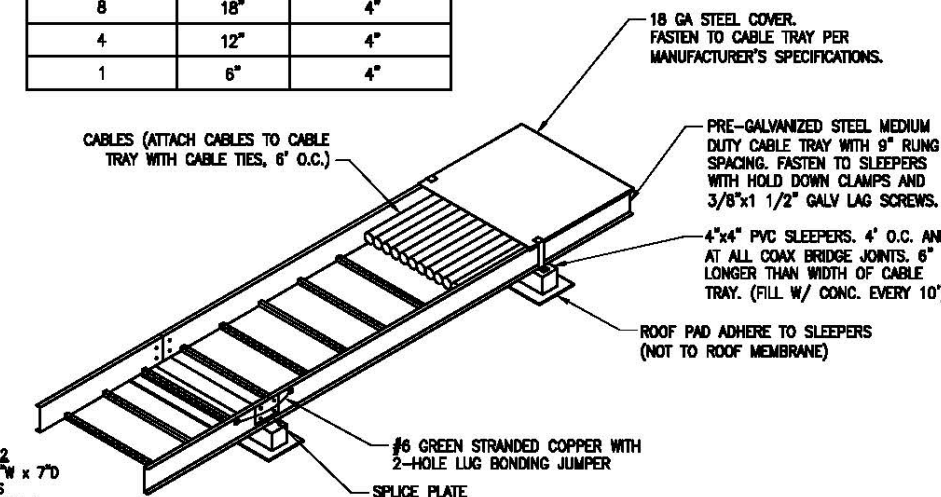
COMMSCOPE LNK-65140S-A1M PANEL ANTENNA  
DIMENSIONS: 72.9"H x 11.8"W x 7.1"D  
WEIGHT: 31.3 LBS  
1 PER SECTOR, TOTAL OF 4

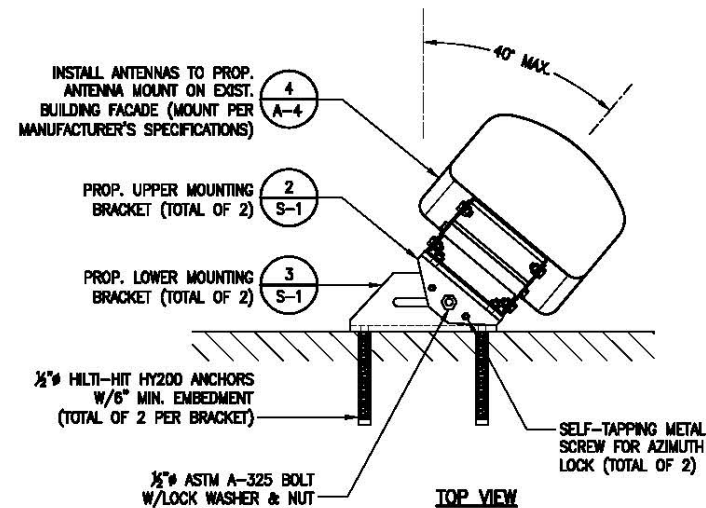
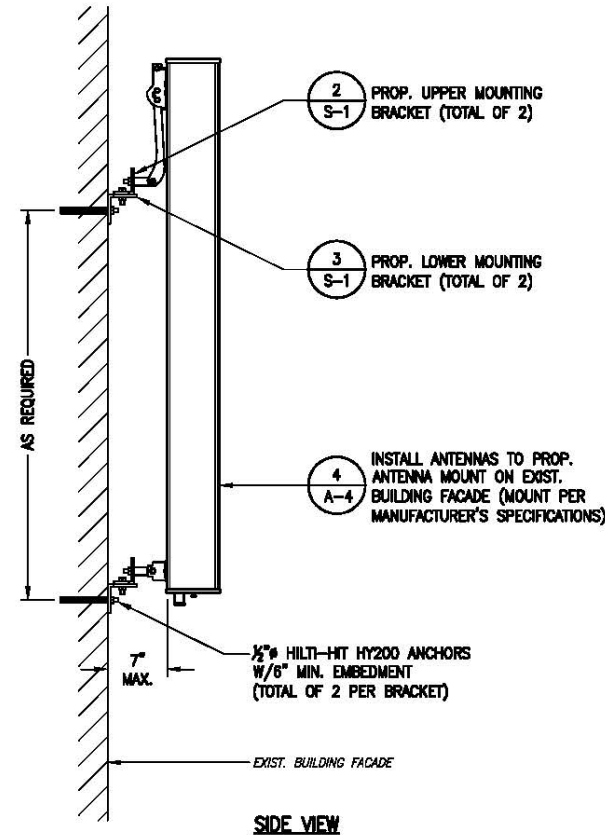
**ANTENNA DETAIL**  
SCALE: N.T.S.

RRUS-11 BAND 2  
DIMENSIONS: 20.0"H x 17"W x 7"D  
WEIGHT: 50.7 LBS  
1 PER SECTOR, TOTAL OF 4

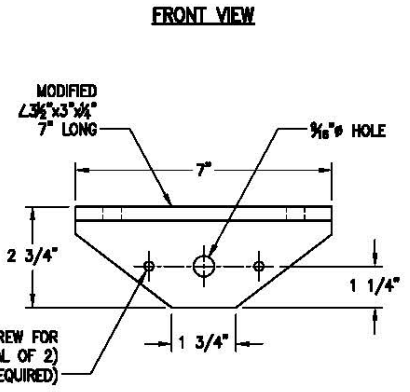
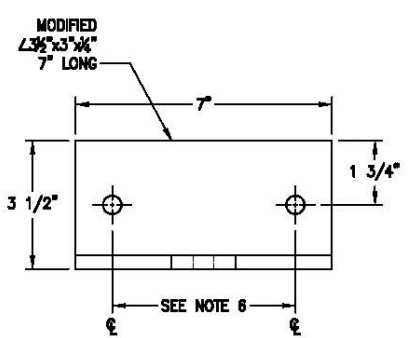
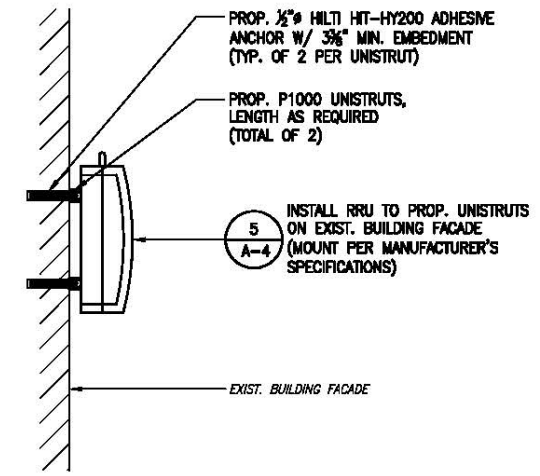
**RRU DETAILS**  
SCALE: N.T.S.

NUMBER OF COAXIAL CABLES	WIDTH OF CABLE TRAY	LOADING DEPTH OF CABLE TRAY
12	24"	4"
8	18"	4"
4	12"	4"
1	6"	4"

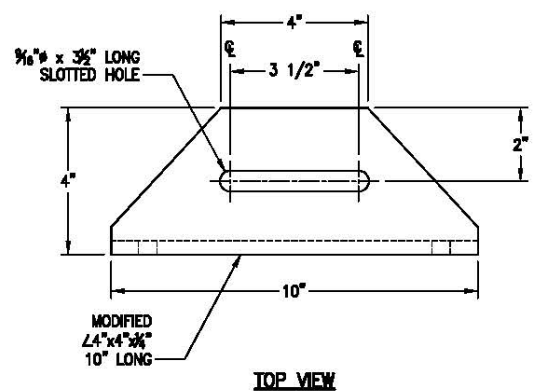
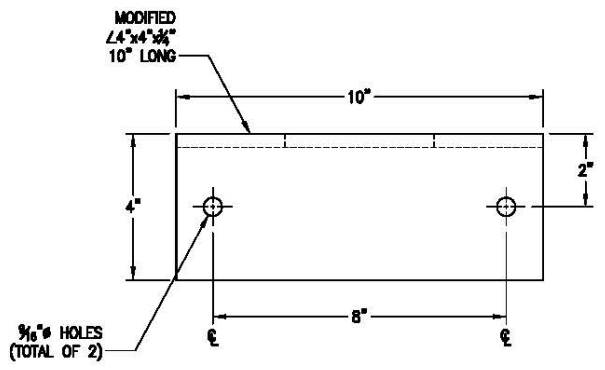




**ANTENNA MOUNTING DETAIL** 1  
SCALE: N.T.S.



**UPPER MOUNTING BRACKET** 2  
SCALE: N.T.S.



**LOWER MOUNTING BRACKET** 3  
SCALE: N.T.S.

- NOTES:**
1. VERIFY DOWNTILT MOUNTING KIT BOLT LAYOUT PRIOR TO FABRICATION.
  2. ROTATE UPPER CONNECTION TO REQUIRED AZIMUTH. TIGHTEN BOLT AND INSTALL SELF TAPPING SCREWS.
  3. WEATHER SEAL AROUND EXTERIOR WALL ATTACHMENT ANGLES WITH SILICONE SEALANT.
  4. PAINT ALL ANTENNAS, MOUNTS AND ASSOCIATED EQUIPMENT TO MATCH BUILDING FACADE.
  5. ALL COAX IS TO BE NEATLY BUNDLED AND PAINTED TO MATCH THE BUILDING FACADE.
  6. VERIFY WITH ANTENNA BRACKET PRIOR TO CONSTRUCTION.

**T-Mobile**

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NORTON, MA 02766  
OFFICE: (508) 288-2700

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SUITE 101  
MARLBOROUGH, MA 01752  
(508) 481-7400  
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**APPROVALS**

STRUCTURE OWNER \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

PROJECT NO: 4DE7033A

DRAWN BY: CMC

CHECKED BY: JMT

VERSION		
1	04/13/17	CONSTRUCTION
0	08/12/16	CONSTRUCTION REVIEW

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4DE7033A  
B0033/141 PORTLAND

141 PORTLAND STREET  
CAMBRIDGE, MA 02139

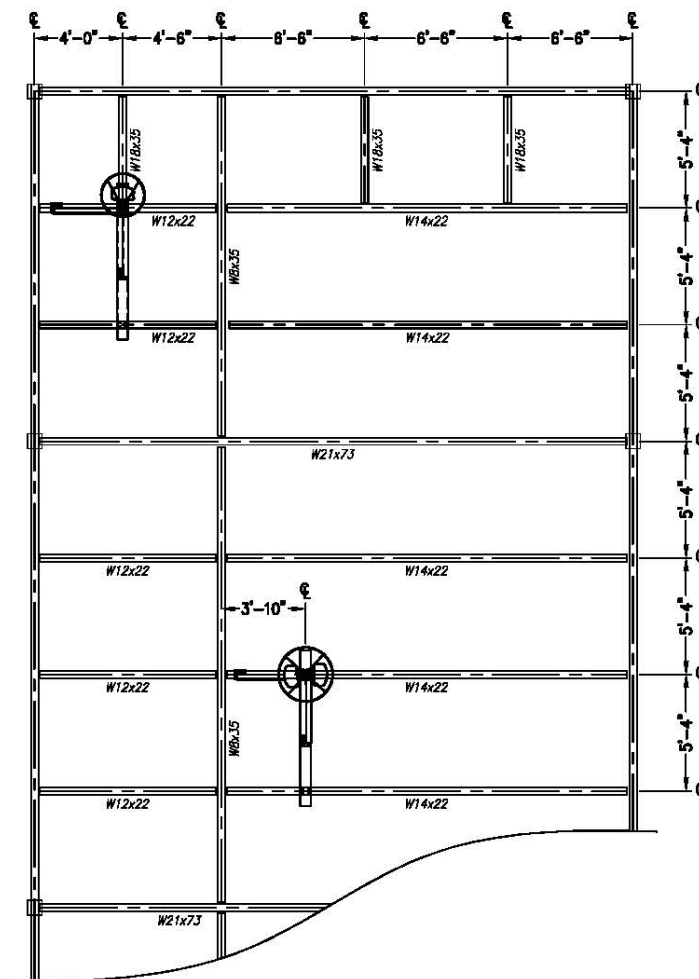
**SHEET TITLE**

STRUCTURAL DETAILS -  
FACADE MOUNT  
ANTENNAS & RRU'S

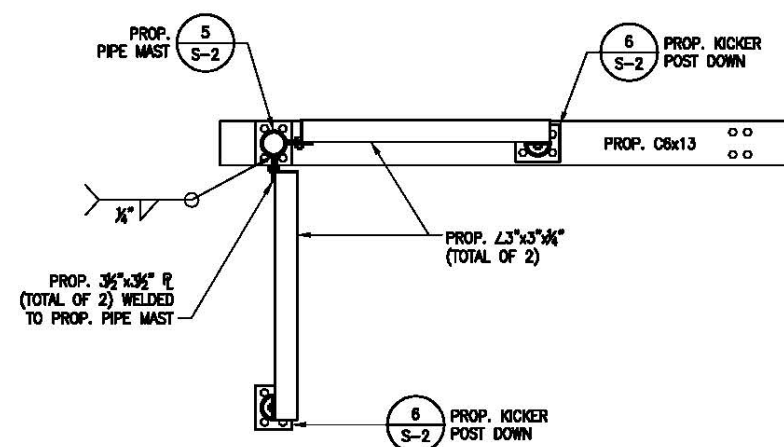
**SHEET NUMBER**

S-1

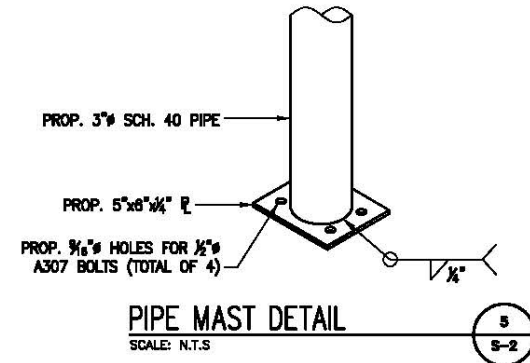




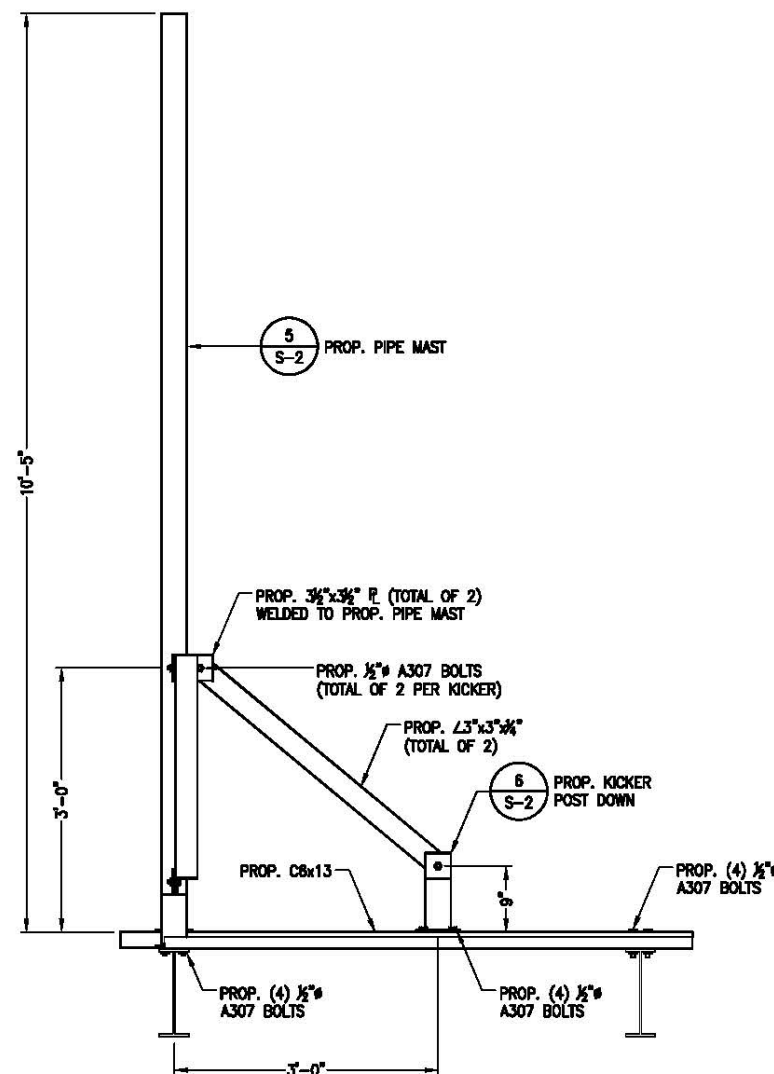
**PENTHOUSE FRAMING PLAN**  
SCALE: 1/4" = 1'-0"  
TRUE NORTH



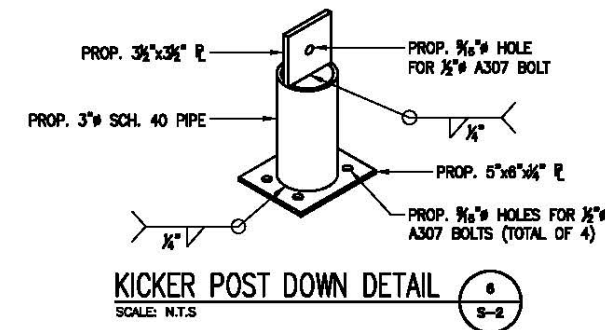
**PLAN VIEW**  
SCALE: 1" = 1'-0"



**PIPE MAST DETAIL**  
SCALE: N.T.S.

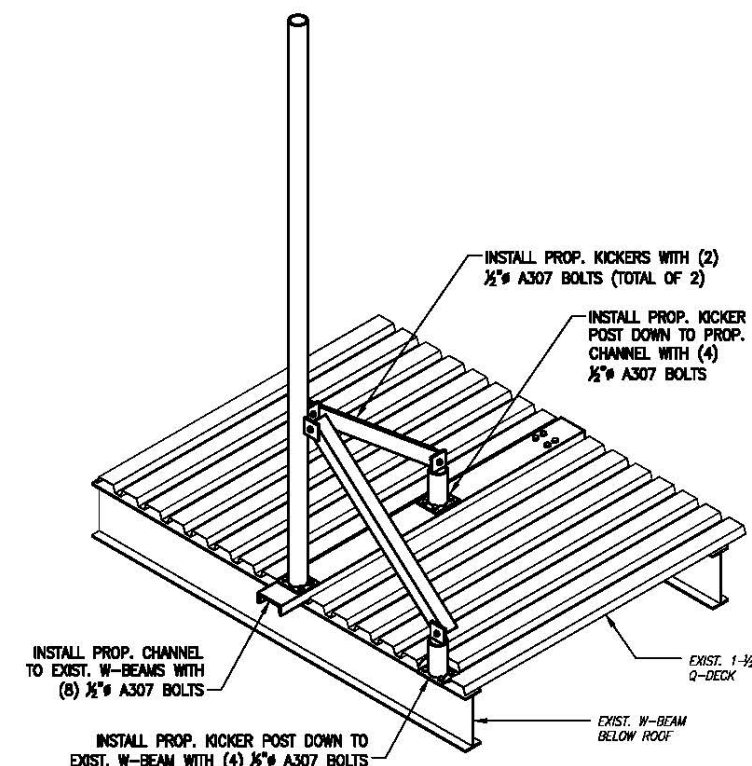


**ELEVATION**  
SCALE: 1" = 1'-0"



**KICKER POST DOWN DETAIL**  
SCALE: N.T.S.

NOTE:  
SEE SHEETS S-3 & S-4  
FOR ANTENNA & RRU  
MOUNTING & FLUE DETAILS.

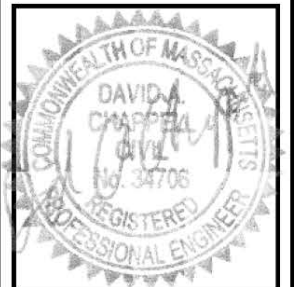


**ISOMETRIC INSTALLATION DETAIL**  
SCALE: 3/4" = 1'-0"

**T-Mobile**  
T-MOBILE NORTHEAST LLC  
15 COMMERCE WAY, SUITE B  
NORTON, MA 02786  
OFFICE: (508) 288-2700

**CHAPPELL ENGINEERING ASSOCIATES, LLC**  
Civil - Structural - Land Surveying

R.K. EXECUTIVE CENTRE  
201 BOSTON POST ROAD WEST  
SUITE 101  
MARLBOROUGH, MA 01752  
(508) 481-7400  
www.chappellengineering.com



**APPROVALS**  
STRUCTURE OWNER \_\_\_\_\_  
LEASING \_\_\_\_\_  
R.F. \_\_\_\_\_  
ZONING \_\_\_\_\_  
CONSTRUCTION \_\_\_\_\_  
A/E \_\_\_\_\_

PROJECT NO: 4DE7033A

DRAWN BY: CMC

CHECKED BY: JMT

VERSION		
1	04/13/17	CONSTRUCTION
0	08/12/16	CONSTRUCTION REVIEW

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4DE7033A  
B0033/141 PORTLAND  
141 PORTLAND STREET  
CAMBRIDGE, MA 02139

**SHEET TITLE**  
STRUCTURAL DETAILS -  
CHANNEL FRAME DETAILS

**SHEET NUMBER**  
S-2

APPROVALS

STRUCTURE OWNER \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

PROJECT NO: 4DE7033A

DRAWN BY: CMC

CHECKED BY: JMT

VERSION

NO.	DATE	DESCRIPTION
1	04/13/17	CONSTRUCTION
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4DE7033A  
B0033/141 PORTLAND

141 PORTLAND STREET  
CAMBRIDGE, MA 02139

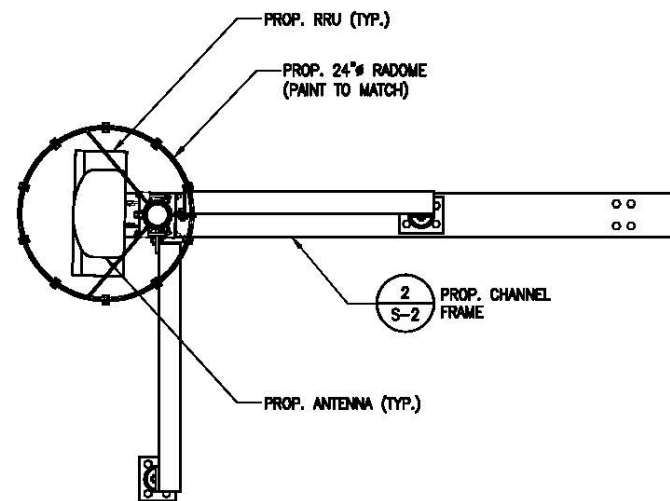
SHEET TITLE

STRUCTURAL DETAILS -  
24" FLUE

SHEET NUMBER

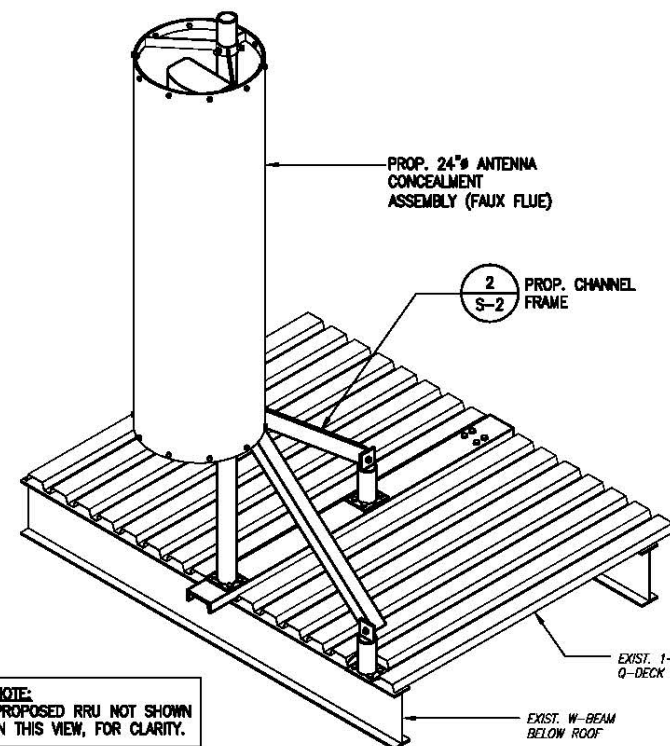
S-3

BILL OF MATERIALS				
ITEM	DESCRIPTION	SIZE	QTY.	NOTES
1	MOUNTING FLANGE	24" O.D.	1 EA	SEE DETAIL THIS SHEET FOR FABRICATION
2	SUPPORT RING	24" O.D.	1 EA	SEE DETAIL THIS SHEET FOR FABRICATION
3	FIBERGLASS RADOME ASSEMBLY	6'-10" 1/2 x 24" ± DIA.	1 EA	PAINTED TO MATCH
4	CHANNEL FRAME	N/A	1 EA	SEE DETAIL S-2 FOR FABRICATION



PLAN VIEW  
SCALE: 1" = 1'-0"

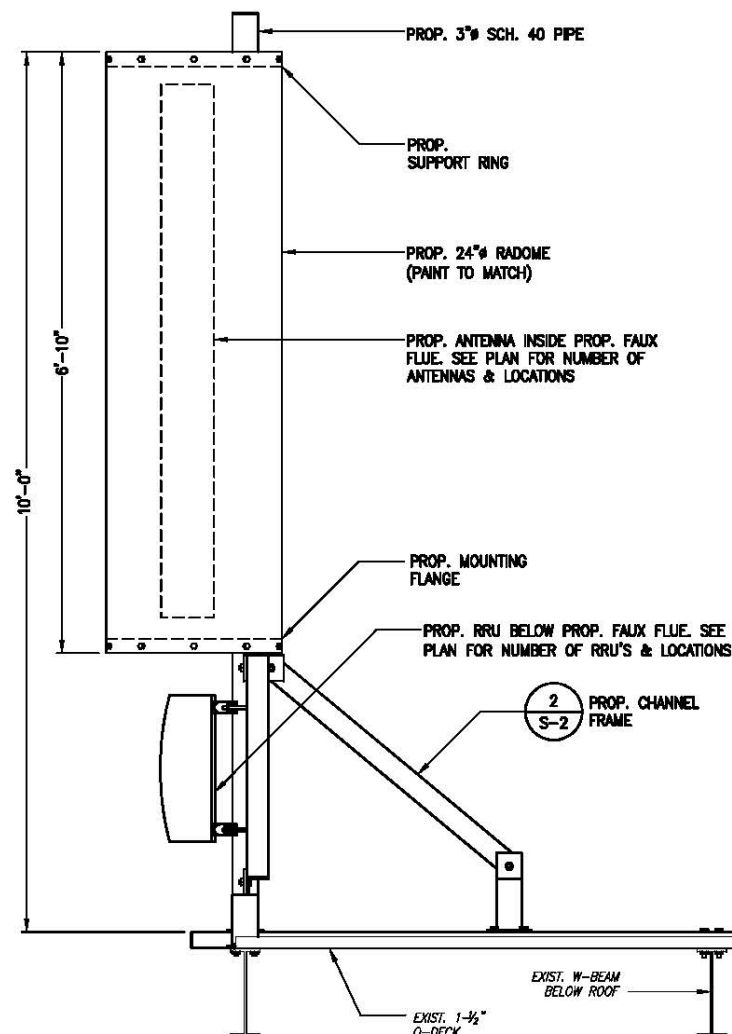
1  
S-3



NOTE:  
PROPOSED RRU NOT SHOWN  
IN THIS VIEW, FOR CLARITY.

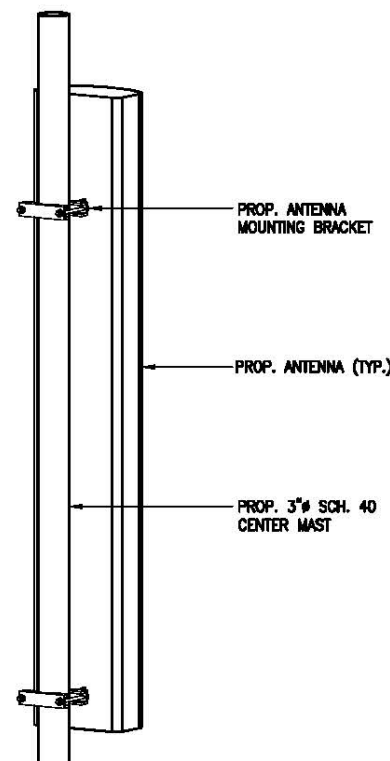
FLUE ISOMETRIC  
SCALE: 3/4" = 1'-0"

2  
S-3



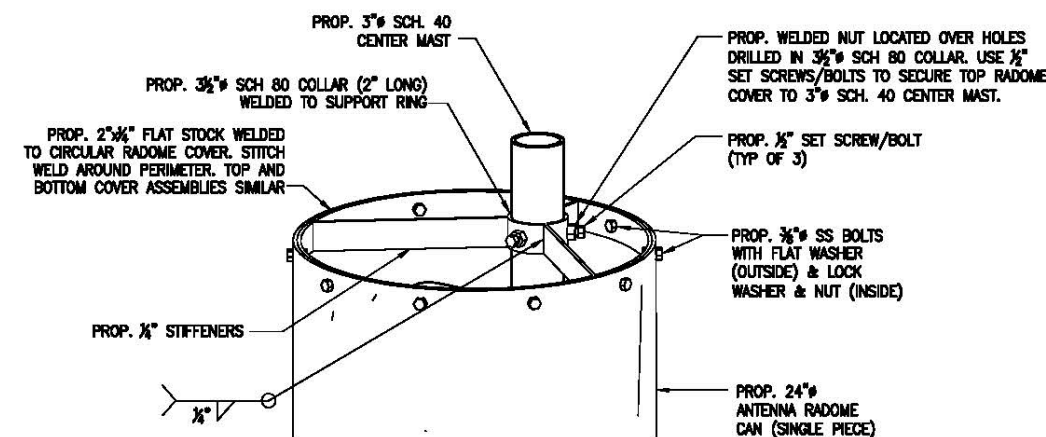
ELEVATION  
SCALE: 1" = 1'-0"

3  
S-3



ANTENNA MOUNTING ISOMETRIC  
SCALE: N.T.S.

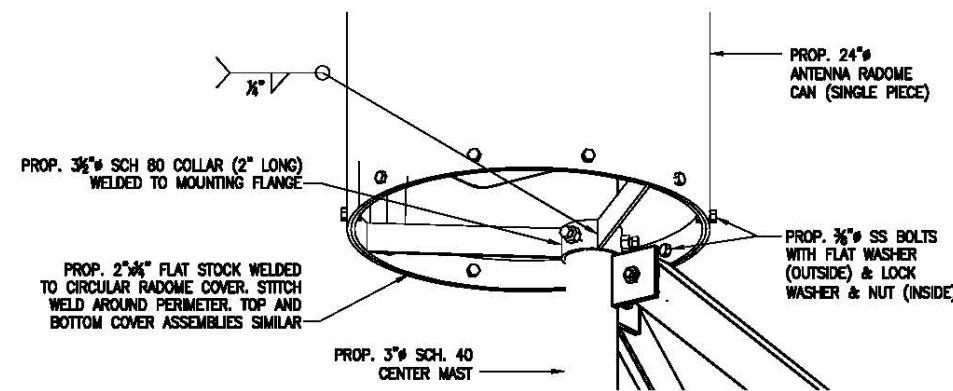
4  
S-3



TOP VIEW

RADOME CAP PLATE-TOP ASS'Y  
N.T.S.

5  
S-3

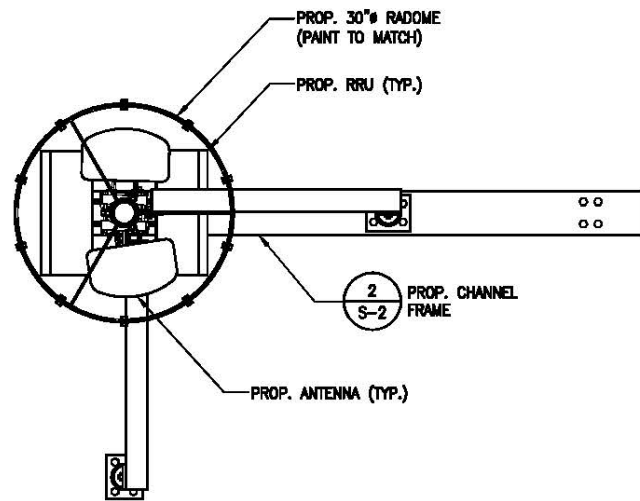


BOTTOM VIEW

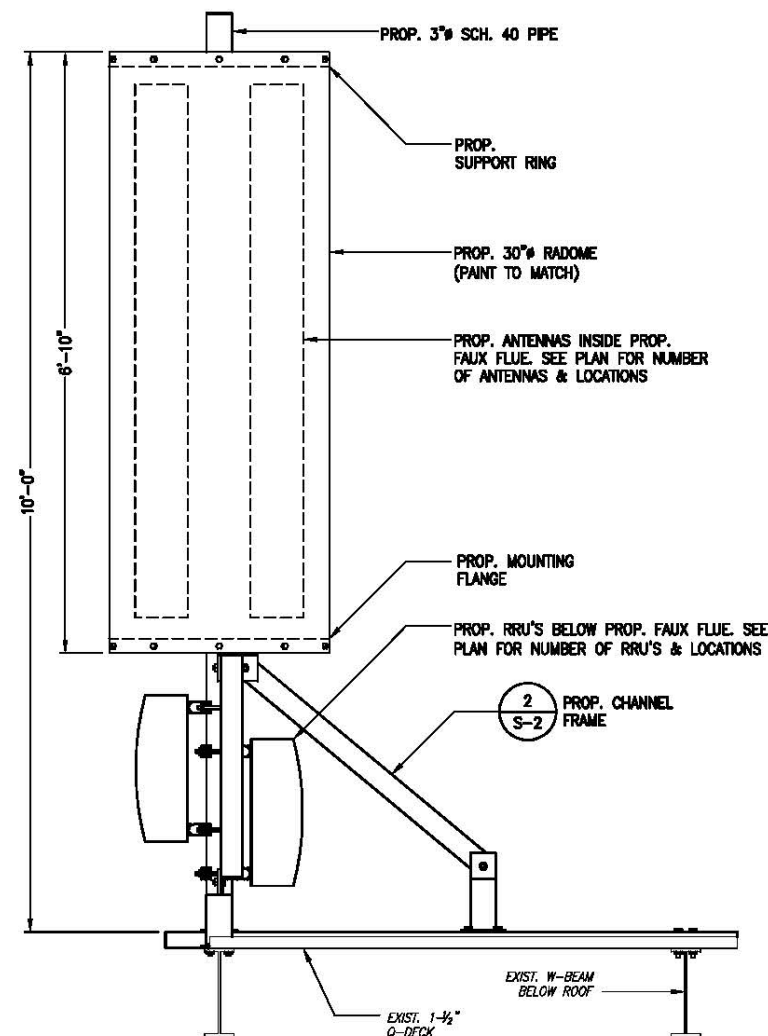
RADOME CAP PLATE-BOTT. ASS'Y  
N.T.S.

6  
S-3

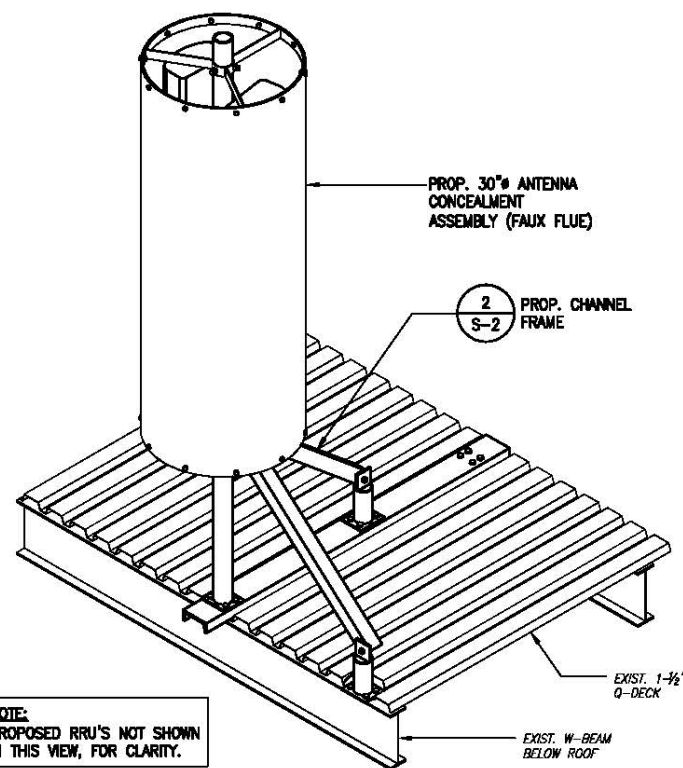




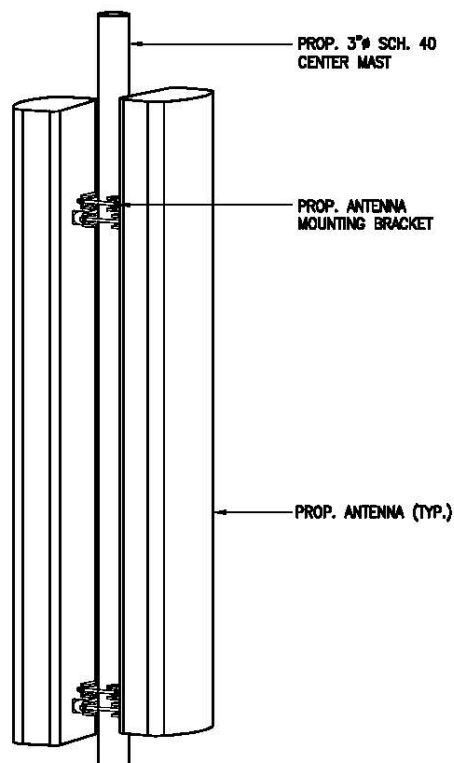
PLAN VIEW  
SCALE: 1" = 1'-0"



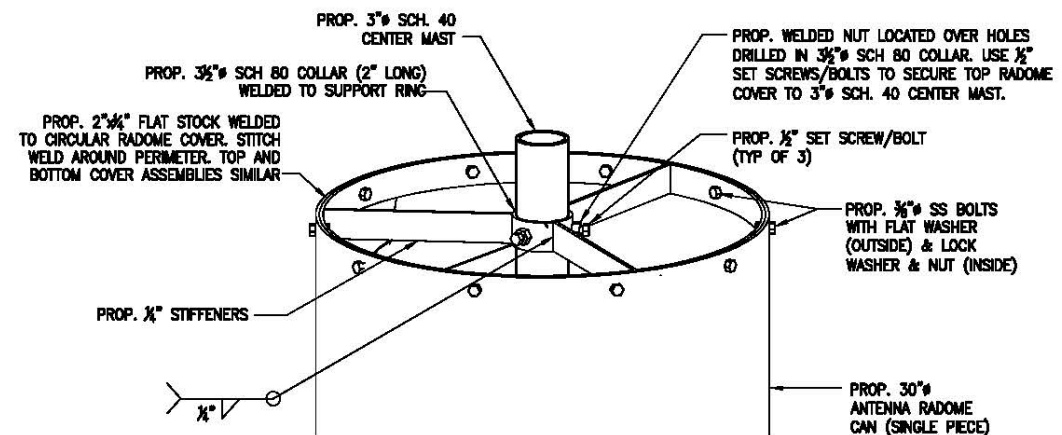
ELEVATION  
SCALE: 1" = 1'-0"



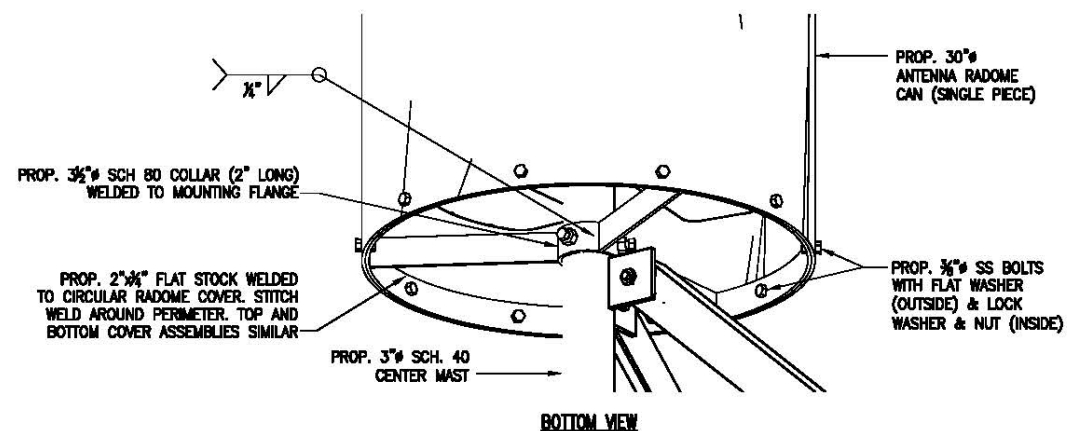
FLUE ISOMETRIC  
SCALE: 3/4" = 1'-0"



ANTENNA MOUNTING ISOMETRIC  
SCALE: N.T.S.



TOP VIEW  
RADOME CAP PLATE-TOP ASS'Y  
N.T.S.



BOTTOM VIEW  
RADOME CAP PLATE-BOTT. ASS'Y  
N.T.S.

BILL OF MATERIALS				
ITEM	DESCRIPTION	SIZE	QTY.	NOTES
1	MOUNTING FLANGE	30" O.D.	1 EA	SEE DETAIL THIS SHEET FOR FABRICATION
2	SUPPORT RING	30" O.D.	1 EA	SEE DETAIL THIS SHEET FOR FABRICATION
3	FIBERGLASS RADOME ASSEMBLY	6'-10 1/4"x30"± DIA	1 EA	PAINTED TO MATCH
4	CHANNEL FRAME	N/A	1 EA	SEE DETAIL S-2 FOR FABRICATION

**T-Mobile**

T-MOBILE NORTHEAST LLC  
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NORTON, MA 02766  
OFFICE: (508) 288-2700

**CHAPPELL  
ENGINEERING  
ASSOCIATES, LLC**

Civil - Structural - Land Surveying

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SUITE 101  
MARLBOROUGH, MA 01752  
(508) 481-7400  
www.chappellengineering.com



APPROVALS

STRUCTURE OWNER \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

PROJECT NO: 4DE7033A

DRAWN BY: CMC

CHECKED BY: JMT

VERSION		
1	04/13/17	CONSTRUCTION
0	08/12/16	CONSTRUCTION REVIEW

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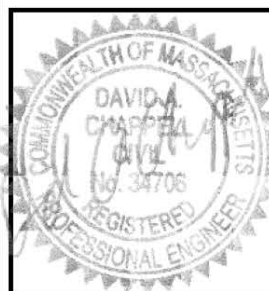
4DE7033A  
B0033/141 PORTLAND

141 PORTLAND STREET  
CAMBRIDGE, MA 02139

SHEET TITLE  
STRUCTURAL DETAILS -  
30" FLUE

SHEET NUMBER  
S-4





APPROVALS	
STRUCTURE OWNER	_____
LEASING	_____
R.F.	_____
ZONING	_____
CONSTRUCTION	_____
A/E	_____

PROJECT NO: 4DE7033A

DRAWN BY: CMC

CHECKED BY: JMT

VERSION		
1	04/13/17	CONSTRUCTION
0	08/12/16	CONSTRUCTION REVIEW

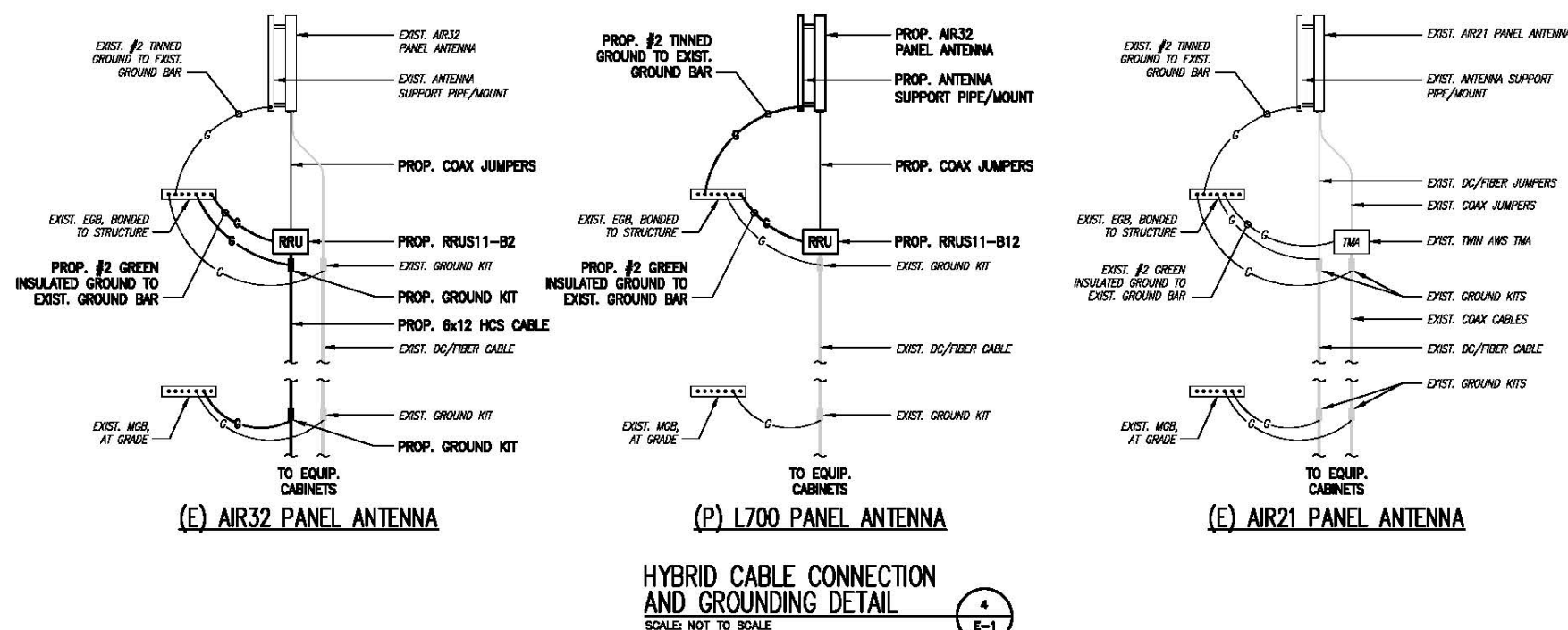
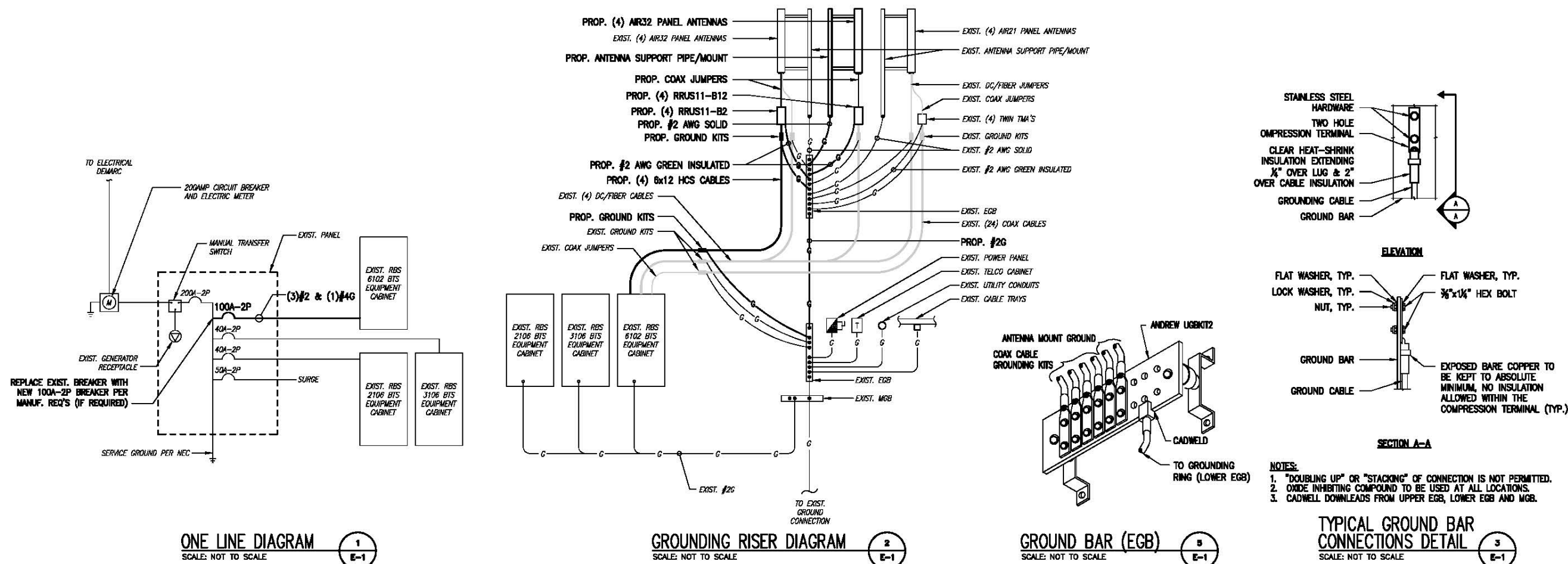
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4DE7033A  
B0033/141 PORTLAND

141 PORTLAND STREET  
CAMBRIDGE, MA 02139

SHEET TITLE  
ELECTRIC & GROUNDING  
DETAILS

SHEET NUMBER  
E-1



4

## Photographic Simulation Package

### Proposed Wireless Telecommunications Facility:

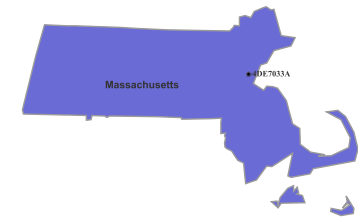
4DE7033A 141 Portland  
141 Portland Street  
Cambridge, MA 02139

- proposed changes to existing Rooftop Mount Antenna Structure
- documentation photographs taken 03/15/17

Simulation package prepared by:

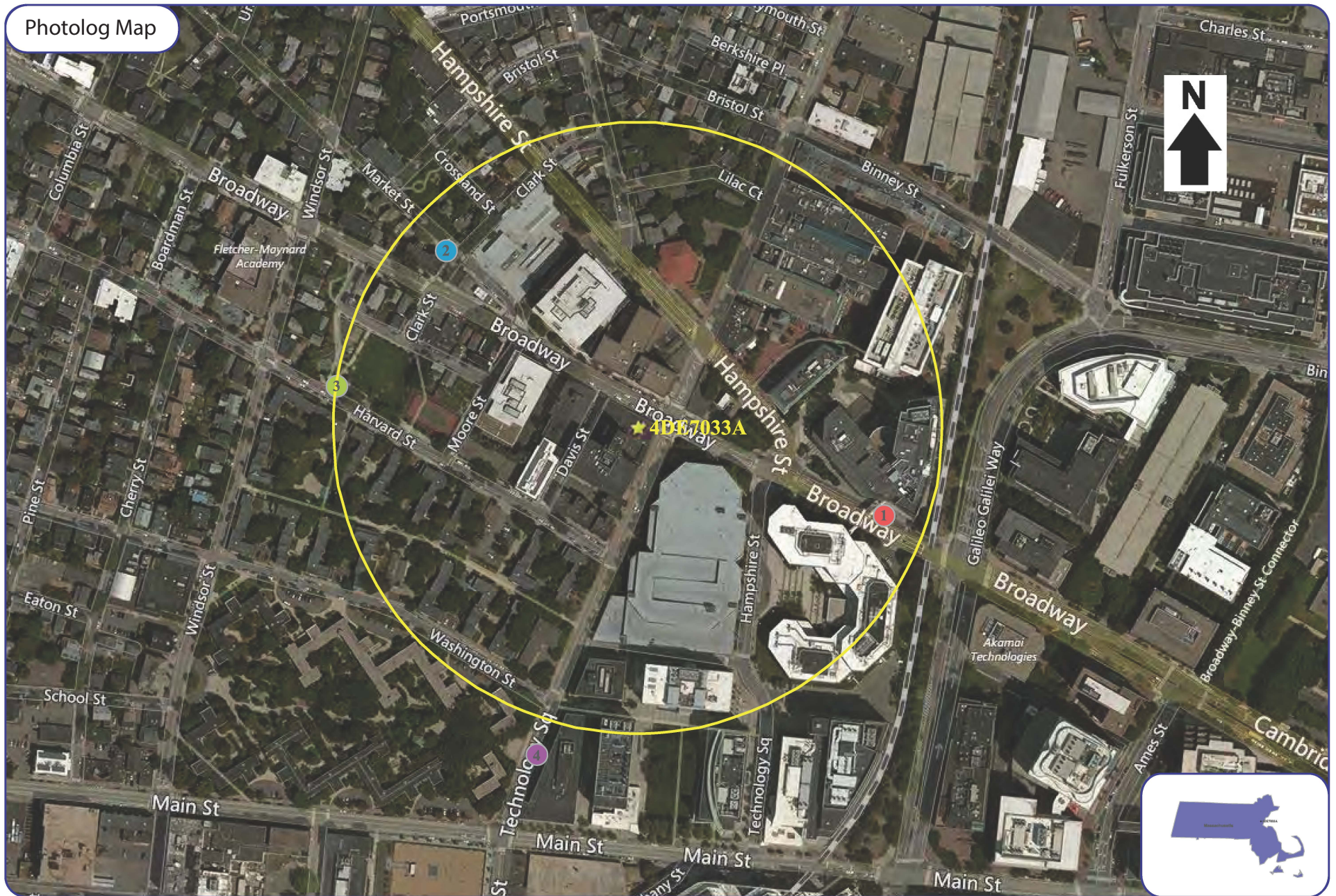
Virtual Site Simulations, LLC  
28 Caswell Street  
Suite 100  
Narragansett, Rhode Island 02882

[www.VirtualSiteSimulations.com](http://www.VirtualSiteSimulations.com)





# Photolog Map



Proposed Upgrade to Existing Wireless Telecommunications Facility:

4DE7033A 141 Portland  
141 Portland Street  
Cambridge, MA 02139

Legend:




-  Facility Location
-  Photo Documentation location
-  750 Ft Radius

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution





Existing



Photo #	Location	Gps Coordinates		Distance to site	Orientation	Bearing to site	Visibility
1	Broadway	42.36514	-71.09014	+/- 0.12 Miles	West	286.6	Year Round

Site: 4DE7033A 141 Portland Street

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Simulation



Photo #	Location	Gps Coordinates		Distance to site	Orientation	Bearing to site	Visibility
1	Broadway	42.36514	-71.09014	+/- 0.12 Miles	West	286.6	Year Round

Site: 4DE7033A 141 Portland Street

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Existing



Photo #	Location	Gps Coordinates		Distance to site	Orientation	Bearing to site	Visibility
2	Market Street	42.36693	-71.09413	+/- 0.12 Miles	North East	138.88	Year Round

Site: 4DE7033A 141 Portland Street

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution





# Simulation

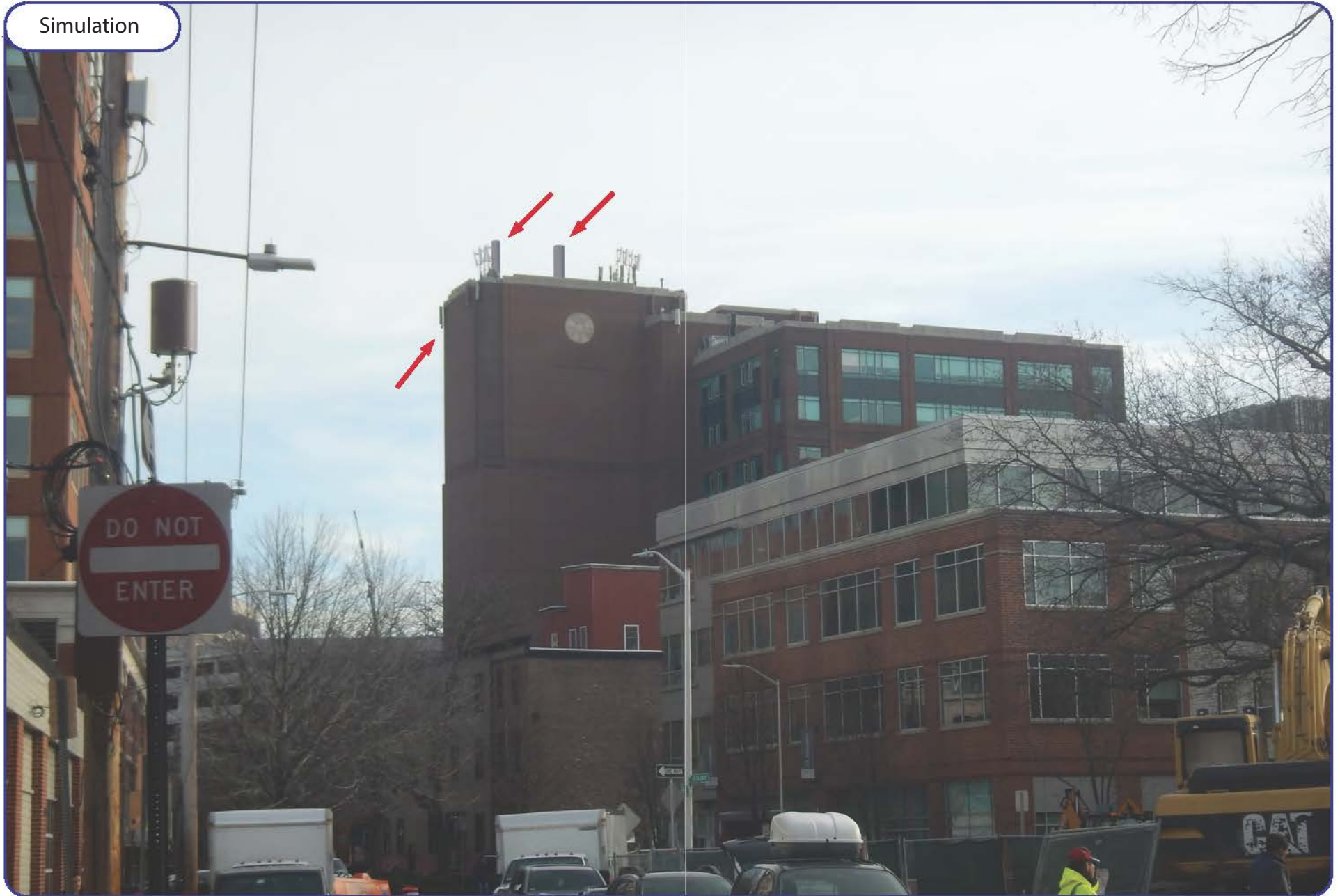


Photo #	Location	Gps Coordinates		Distance to site	Orientation	Bearing to site	Visibility
2	Market Street	42.36693	-71.09413	+/- 0.12 Miles	North East	138.88	Year Round

Site: 4DE7033A 141 Portland Street

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Existing



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
3	Harvard Street	42.36601 -71.09513	+/- 0.14 Miles	East	102.02	Year Round

Site: 4DE7033A 141 Portland Street

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution





# Simulation



Photo #	Location	Gps Coordinates		Distance to site	Orientation	Bearing to site	Visibility
3	Harvard Street	42.36601	-71.09513	+/- 0.14 Miles	East	102.02	Year Round

Site: 4DE7033A 141 Portland Street

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution





Existing



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
4	Portland Street	42.36352 -71.09330	+/- 0.16 Miles	South East	46.77	Year Round

Site: 4DE7033A 141 Portland Street

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution





Simulation

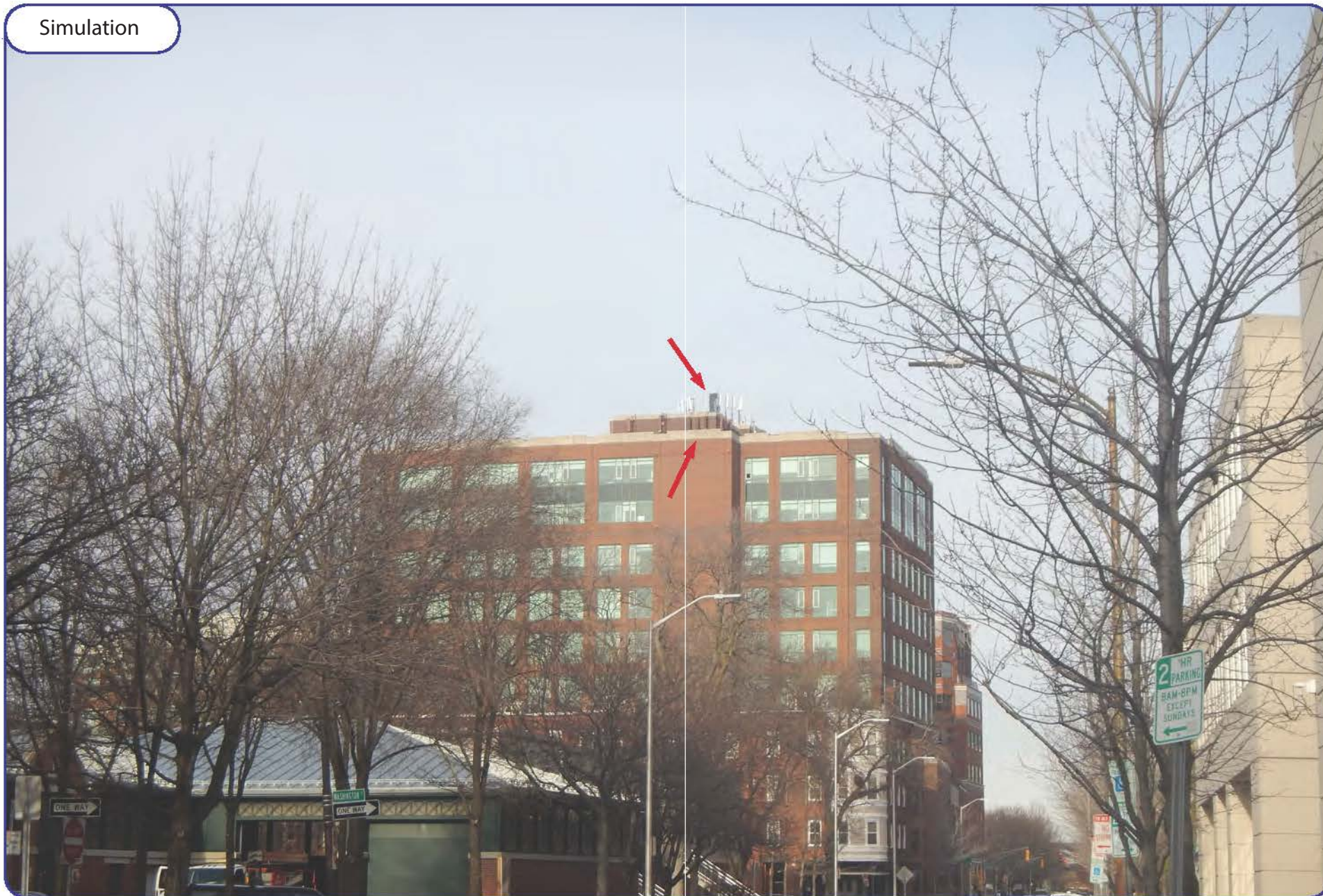


Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
4	Portland Street	42.36352 -71.09330	+/- 0.16 Miles	South East	46.77	Year Round

Site: 4DE7033A 141 Portland Street

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



5



**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy Only)**

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.

**Licensee: T-Mobile License LLC**

ATTN Dan Menser  
T-Mobile License LLC  
12920 SE 38th St.  
Bellevue, WA 98006

<b>FCC Registration Number (FRN):</b> 0001565449	
<b>Call Sign:</b> KNLF954	<b>File Number:</b> 0002991471
<b>Radio Service:</b> CW - PCS Broadband	

<b>Grant Date</b> 06/05/2007	<b>Effective Date</b> 06/05/2007	<b>Expiration Date</b> 06/27/2017	<b>Print Date</b> 09/06/2007
---------------------------------	-------------------------------------	--------------------------------------	---------------------------------

<b>Market Number:</b> BTA051	<b>Channel Block:</b> D	<b>Sub-Market Designator:</b> 0
<b>Market Name:</b> Boston, MA		

<b>1st Build-out Date</b>	<b>2nd Build-out Date</b>	<b>3rd Build-out Date</b>	<b>4th Build-out Date</b>
06/27/2002			

**Special Conditions or Waivers/Conditions** This authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 606.

To view the geographic areas associated with the license, go to the Universal Licensing System (ULS) homepage at <http://wireless.fcc.gov/uls/> and select "License Search". Follow the instruction on how to search for license information

FCC 601 - MB

6



# City of Cambridge

MASSACHUSETTS

## BOARD OF ZONING APPEAL

831 Mass Avenue, Cambridge, MA.  
(617) 349-6100

Jackie Slaga, Agent  
For T-Mobile Northeast, LLC  
95 Indian Trail  
Saunderstown, RI 02874

DEC 05 2012

Case No. 10337

Dear: Ms. Slaga,

We enclose the decision of the Board of Zoning Appeal as it pertains to the premises located at 141 Portland Street (a/k/a 198 Broadway), Cambridge, Mass.

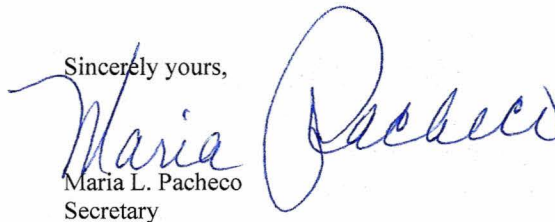
A copy of this decision has been filed with office of the City Clerk, this date. When twenty days have passed you **MUST**:

1. HAVE THIS DECISION COMPLETED AND SIGNED BY THE CITY CLERK, CITY HALL – 795 Mass Avenue, Cambridge, Ma. (In the space provided on the decision)
  2. FILE THE DECISION WITH THE REGISTRY OF DEEDS  
Middlesex County Courthouse, 208 Cambridge Street, Cambridge, MA. (There is usually a fee, payable to the Registry of Deeds and the book and page number is required by the Registry).
  3. SUPPLY THE BOARD OF ZONING APPEAL WITH DOCUMENTATION OF SUCH FILING – (with the Registry of Deeds).
- THE DIVISION OF INSPECTIONAL SERVICES WILL NOT ISSUE BUILDING PERMITS
  - UNLESS THE ABOVE ITEMS HAVE BEEN COMPLETED.

Any person aggrieved by a decision of the Board of Zoning Appeal may appeal to the Superior Court or Land Court. Appeals, if any, shall be made pursuant to Section 17, Chapter 40A, Massachusetts General Laws and shall be filed within twenty days of the above date, and a copy thereof shall be filed with the Cambridge City Clerk's office by that same date.

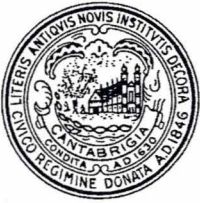
If you have any questions, please phone me at 349-6100.

Sincerely yours,

  
Maria L. Pacheco  
Secretary

Section 10.35 of the Zoning Ordinances:

If the rights authorized by a variance are not exercised within one year of the date of granting of such variance (two years for a special permit), they shall lapse and may be reestablished only after notice and new hearing pursuant to this Section 10.30.



# City of Cambridge

MASSACHUSETTS

## BOARD OF ZONING APPEAL

831 Mass Avenue, Cambridge, MA  
(617) 349-6100

2012 DEC 5 PM 3 12  
OFFICE OF THE CITY CLERK  
CAMBRIDGE, MASSACHUSETTS

CASE NO: 10337

LOCATION: 141 Portland Street (a/k/a 198 Broadway) Industry B Zone  
Cambridge, MA

PETITIONER: T-Mobile Northeast, LLC  
C/o Jackie Slaga, Agent

PETITION: Special Permit: In-kind replacement of existing 8 antennas with new antennas; replacement of 2 existing cabinets with 1 cabinet of similar site and appearance and 1 substantially smaller cabinet, in same location. All antennas will be mounted in the same location and painted to match façade of building.

VIOLATION: Art. 4.000, Sec. 4.32.G.1 & 4.10 (Footnote 49) (Telecommunication Facility). Art. 10.000, Sec. 10.40 (Special Permit).

DATE OF PUBLIC NOTICE: September 27, 2012 & October 4, 2012

DATE OF PUBLIC HEARING: October 11, 2012

### MEMBERS OF THE BOARD:

BRENDAN SULLIVAN - CHAIR  
CONSTANTINE ALEXANDER - VICE-CHAIR  
TIMOTHY HUGHES  
THOMAS SCOTT  
JANET GREEN

✓  
✓  
✓  
✓  
✓

### ASSOCIATE MEMBERS:

MAHMOOD R. FIROUZBAKHT  
DOUGLAS MYERS  
SLATER W. ANDERSON  
TAD HEUER  
ANDREA A. HICKEY  
KEVIN C. McAVEY

✓  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Members of the Board of Zoning Appeal heard testimony and viewed materials submitted regarding the above request for relief from the requirements of the Cambridge Zoning Ordinance. The Board is familiar with the location of the petitioner's property, the layout and other characteristics as well as the surrounding district.



Case No. 10337  
Location: 141 Portland Street / 198 Broadway  
Petitioner: T-Mobile Northeast, LLC c/o Jackie Slaga, Agent

On October 11, 2012, Petitioner's attorney Ricardo Sousa appeared before the Board of Zoning Appeal requesting a special permit in order to permit the in-kind replacement of eight existing antennas with new antennas mounted in the same location and painted to match the façade of the building and the replacement of two existing cabinets with one cabinet of similar size and one smaller cabinet. The Petitioner requested relief from Article 4, Sec. 4.32.G.1 of the Cambridge Zoning Ordinance ("Ordinance"). The Petitioner submitted application materials including information about the project, plans, and photographs.

Mr. Sousa stated that the Petitioner wished to upgrade its existing specially permitted wireless facility as part of a system wide upgrade. He stated that new antennas and a cabinet would replace existing ones. He stated that everything would be painted and placed so as to reduce visual impacts. He also agreed to replace the proposed pole mounts with low profile mounts and would lower the antennae so that they would maintain a clearance of one foot from the top of the penthouse. He stated that there was an increasing need for more coverage.

The Chair asked if anyone wished to be heard on the matter, no one indicated such.

After discussion, the Chair moved that the Board grant the special permit for relief in order to permit the in-kind replacement of eight existing antennas with new antennas mounted in the same location and painted to match the façade of the building and the replacement of two existing cabinets with one cabinet of similar size and one smaller cabinet based on the finding that no limitations have been exceeded for any license secured from any state or federal agency having jurisdiction. The Chair moved that the Board find that the property was in an Industry B Zone, so that the requirements for telecommunications facilities within residential districts would not apply in this case. The Chair moved that the Board find that the requirements of the Ordinance were met. The Chair moved that the Board find that traffic generated or patterns of access or egress would not cause congestion, hazard, or substantial change in the established neighbored character. The Chair moved that the Board find that the continued operation of or development of adjacent uses as permitted in the Ordinance would not be adversely affected by the nature of the proposed use, but rather would be enhanced by the upgraded equipment. The Chair moved that the Board find that there would not be any nuisance or hazard created to the detriment of the health, safety, or welfare of the occupants of the proposed use or the citizens of the city. The Chair moved that the Board find that the proposed use would not impair the integrity of the district or adjoining districts or otherwise derogate from the intent and purpose of the Ordinance. The Chair moved that the Board grant the special permit on the following conditions:

1. that the work proceed as per the drawings and photo simulations submitted, except that the proposed antennas be moved closer to the building by the use of flush mount brackets and the antennas be lowered in order to be fully backed by the brick façade and be painted to match the background color where possible,
2. that should the equipment become unused, it be removed within six months, and the facade of the building be restored to its original condition, and
3. that the antennas and equipment be maintained and not be allowed to deteriorate.

The five member Board voted unanimously in favor of granting the special permit (Sullivan, Alexander, Hughes, Green, and Myers) with the above conditions. Therefore, the special permit is granted.

The Board based its decision upon all the information presented, the above findings and upon the following:

- 1) The meeting of the requirements of the Ordinance;
- 2) Traffic generated or patterns of access or egress would not cause congestion, hazard, or substantial change in the established neighborhood character;
- 3) The continued operation of or the development of adjacent uses as permitted in the Ordinance would not be adversely affected by the nature of the proposed uses;
- 4) Nuisance or hazard would not be created to the detriment of the health, safety and /or welfare of the occupants of the proposed use;
- 5) The proposed use would not impair the integrity of the district or adjoining district or otherwise derogate from the Ordinance, and in fact would be a significant improvement to the structure and benefit the neighborhood, and;
- 6) The new use or building construction is not inconsistent with the Urban Design Objectives set forth in Section 19.30 of the Cambridge Zoning Ordinance.

The Board of Zoning Appeal is empowered to waive local zoning regulations only. This decision therefore does not relieve the petitioner in any way from the duty to comply with local ordinances and regulations of the other local agencies, including, but not limited to the Historical Commission, License Commission and/or compliance with requirements pursuant to the Building Code and other applicable codes.

  
Brendan Sullivan, Chair

Attest: A true and correct copy of decision filed with the offices of the City Clerk and Planning Board on 12/5/12 by Maria Pacheco, Clerk.

Twenty days have elapsed since the filing of this decision.

No appeal has been filed \_\_\_\_\_.

Appeal has been filed and dismissed or denied.

Date: \_\_\_\_\_ City Clerk.

**7**



May 11, 2017

VIA HAND DELIVERY

Ranjit Singanayagam  
Commissioner of Inspectional Services/Building Commissioner  
City of Cambridge  
831 Massachusetts Avenue  
Cambridge, MA 02139

Re: Eligible Facilities Request to Modify Transmission Equipment at an Existing Base Station located at **141 Portland Street, Cambridge, MA 02139.**

Dear Mr. Singanayagam:

A. T-Mobile is Filing an Eligible Facilities Request

Prince Lobel Tye LLP, on behalf of T-Mobile Northeast LLC is submitting the attached Eligible Facilities Request application to add, remove, modify, or replace Transmission Equipment at an Existing Base Station located at 141 Portland Street, Cambridge, MA 02139.

Because this jurisdiction has not yet developed an Eligible Facilities Request permit application form that complies with Section 6409 of the Middle Class Tax Relief and Job Creation Act of 2012, commonly known as the "Spectrum Act" (Pub. Law No. 112-96, 126 Stat 156) (codified at 47 U.S.C. § 1455), this Eligible Facilities Request is attached to the Building Permit Application form which was customarily used by this jurisdiction when reviewing requests to collocate or modify wireless telecommunications facilities. Because federal law now preempts many of the permit application requirements that this jurisdiction would previously have required from an applicant, this Eligible Facilities Request application provides only the information that federal law allows this jurisdiction to consider when reviewing an Eligible Facilities Request.

Section 6409(a) of the Spectrum Act mandates that state and local governments "*may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station.*" Under Section 6409(a)(2)(A)-(C) an Eligible Facilities Request is any request to modify a Tower or Base Station that involves "collocations of new Transmission Equipment," "removal," or "replacement" of Transmission Equipment.

Prince Lobel Tye LLP  
One International Place  
Suite 3700  
Boston, MA 02110  
TEL: 617 456 8000  
FAX: 617 456 8100

## B. Why this Eligible Facilities Request Must Be Granted

This Eligible Facilities Request involves an effort to collocate, remove, modify, or replace Transmission Equipment at an existing Base Station operated by an FCC licensed wireless carrier. The FCC has defined Base Station as “the equipment and non-tower supporting structure at a fixed location that enable Commission-licensed or authorized wireless communications between user equipment and a communications network . . . the term includes equipment associated with wireless communications service including, but not limited to, radio transceivers, antennas, coaxial or fiber-optic cable, regular and backup power supply, and comparable equipment.” The term existing base station also includes a structure that currently houses or supports an antenna, transceiver or other associated equipment that constitutes part of a Base Station at the time the application is filed even if the structure was not built solely or primarily to provide such support. The existing Base Station in this application is approximately one hundred and fifty two feet (152’) high and presently contains wireless facilities. The existing Base Station meets the Federal Communications Commission (“FCC”) definition of a Base Station.

The list of equipment identified in the Eligible Facilities Request application that will be collocated, removed, or replaced at the Base Station also is Transmission Equipment as determined by the FCC. The FCC has defined Transmission Equipment as “any equipment that facilitates transmission for any Commission-licensed or authorized wireless communication service, including, but not limited to, radio transceivers, antennas and other relevant equipment associated with and necessary to their operation, including coaxial or fiber-optic cable, and regular and back-up power supply. This definition includes equipment used in any technological configuration associated with any Commission-authorized wireless transmission, licensed or unlicensed, terrestrial or satellite, including commercial mobile, private mobile, broadcast and public safety services, as well as fixed wireless services such as microwave backhaul or fixed broadband.”

The FCC, in a Report and Order adopted on October 17, 2014, determined that any modification to an existing telecommunications Base Station that meets the following six criteria does not substantially change the physical dimensions of the existing Base Station and therefore is an Eligible Facilities Request which must be granted:

1. *The modifications to the Transmission Equipment do not increase the height of the Base Station by more than 10 percent (10%) or ten (10) feet, whichever is greater.*
  - a. The height of the Base Station is approximately one hundred and fifty two feet (152’) high. The proposed installation of four (4) new panel antennas will not increase the height of the Base Station by more than ten percent (10%).
2. *The modifications to the Transmission Equipment do not protrude from the edge of the support structure by more than six (6) feet.*
  - a. The proposed antennas will not protrude from the edge of the building and therefore will not exceed the six (6) foot limitation.

3. *The modifications to the Transmission Equipment do not involve the installation of more than the standard number of equipment cabinets for the technology involved, not to exceed four.*
  - a. There are currently three (3) equipment cabinets existing at the Base Station. The Applicant does not propose to install any additional equipment cabinets.
4. *The modifications to the Transmission Equipment do not entail any excavation or deployment outside of the Base Station site.*
  - a. The Applicant is proposing the installation of four (4) new panel antennas on the roof of the existing building. There will be no excavation or deployment outside of the Base Station site.
5. *The modifications to the Transmission Equipment do not defeat any existing concealed or stealth-design.*
  - a. The installation of four (4) new panel antennas will not defeat the existing stealth design as three (3) of the new antennas will be concealed within two (2) faux chimneys at a height consistent with the existing rooftop antennas. Furthermore, pursuant to the previous decision by the Board of Zoning Appeal for the City of Cambridge (the “Board”) for this site, dated December 5, 2012 (Case No. 10337) (the “Decision”), the existing panel antennas are located in the preferred location on the building and the installation of one façade mounted antenna, that will be installed adjacent to the existing antennas on a low profile mount and painted to match the existing building, will not defeat the existing stealth design. As such, the installation of four (4) new panel antennas will be in conformity with the Decision and do not defeat the existing stealth design. The proposed installations will not substantially increase the facility and as such the proposed visual impact will be de minimus for many of the same reasons stated in the Decision attached hereto.
6. *The modifications to the Transmission Equipment comply with prior conditions of approval of the Base Station, unless the non-compliance is due to an increase in height, increase in width, addition of equipment cabinets, or new excavation that does not exceed the corresponding “substantial change” thresholds in numbers 1-4.*
  - a. Based on the foregoing, the proposed modifications to the Base Station fully conform to Section 6409(a) of the Spectrum Act and comply with the prior conditions of approval of the Base Station.

There is a certification attached to the accompanying Eligible Facilities Request that identifies how each of the six review criteria identified by the FCC is met. The modifications to the Transmission Equipment at the Base Station located at 141 Portland Street, Cambridge, MA 02141 contained in this Eligible Facilities Request fully conform to Section 6409(a) as enacted

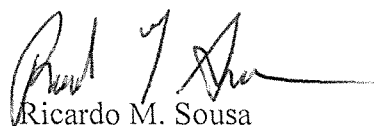
by Congress and as interpreted by the FCC. Accordingly, this Eligible Facilities Request must be approved within 60 days, as required by federal law and FCC implementing regulations.

C. Notice of Federal Law Expedited Permit Processing and Deemed Granted

Under federal law, an Eligible Facilities Request is deemed granted sixty (60) days after a complete application is filed with a local jurisdiction. If sixty days pass after the submission of T-Mobile's accompanying Eligible Facilities Request and the City of Cambridge has not acted to grant or deny the request, it will be deemed granted. At that time, the applicant may advise the City of Cambridge that the application has been deemed granted. If the City of Cambridge wishes to contest whether the Eligible Facilities Request has been deemed granted, the burden is on the City of Cambridge to file a lawsuit in a court of competent jurisdiction within 30 days after receipt of a written communication notifying it that the Eligible Facilities Request has been deemed granted. Failure to file a lawsuit in a timely manner may forever bar this jurisdiction from contesting that this Eligible Facilities Request has been deemed granted.

T-Mobile is committed to working cooperatively with you, and all jurisdictions around the country, to secure expeditious approval of requests to modify existing personal wireless service facilities. Please do not hesitate to contact me if you have questions.

Sincerely,



Ricardo M. Sousa

Direct: 617-456-8123

Email: [rsousa@princelobel.com](mailto:rsousa@princelobel.com)



**ELIGIBLE FACILITIES REQUEST CERTIFICATION FOR NON-SUBSTANTIAL  
CHANGES  
TO AN EXISTING BASE STATION**

“Base Station” means the equipment and non-tower supporting structure at a fixed location that allow Commission-licensed or authorized wireless communications between user equipment and a communications network. The term base station includes any equipment associated with wireless communications services including but not limited to radio transceivers, antennas, coaxial or fiber-optic cables, regular or back up power supply, and comparable equipment. The term existing base station also includes a structure that currently houses or supports an antenna, transceiver or other associated equipment that constitutes part of a base station at the time the application is filed even if the structure was not built solely or primarily to provide such support. “Base Station” includes the relevant equipment in any technological configuration, including small cells and DAS. Remember “Base Station” has two separate meanings: (1) the supporting structure that houses FCC licensed or authorized wireless equipment and (2) the wireless equipment itself. Keep this distinction in mind when calculating a substantial change in physical dimensions.

“Transmission Equipment” means any equipment that facilitates transmission for any FCC licensed or authorized wireless communication service, including but not limited to, radio transceivers, antennas and other relevant equipment associated with and necessary to their operation, including coaxial or fiber-optic cable, and regular and back-up power supply. This definition includes equipment used in any technological configuration associated with any Commission-authorized wireless transmission, licensed or unlicensed, terrestrial or satellite, including commercial mobile, private mobile, broadcast and public safety services, as well as fixed wireless services such as microwave backhaul or fixed broadband.

“Collocation” means the addition, removal or replacement of Transmission Equipment to an existing tower or a base station. This means that the existing support structure, be it a tower or a building or some other structure, must presently support FCC licensed or authorized wireless facilities. The FCC further requires that the site (tower, building, or other structure) was previously approved by the appropriate agency of government to house wireless facilities. Illegal wireless installations cannot be the basis for an eligible facilities request. However, if a communications Tower was erected at a time when it was exempt from zoning, the Tower can be modified through the Eligible Facilities Request process even if the Tower is no longer exempt from zoning.

Site Address: 141 Portland Street

**Existing Facilities**

The Existing Facility is comprised of eight (8) panel antennas all mounted to the façade of the existing penthouse on the roof of the building, together with supporting equipment.

### Height of Base Station

Height above ground level of the tallest point on the existing base station: 152'-6" (feet)

Height above ground level of the tallest point of the existing base station after the installation of the *proposed* equipment: 162'-6" (feet)

- 1) Does the height above ground level of the proposed equipment exceed the height of the tallest point on the existing base station by more than 10 percent (10%) or ten (10) feet, whichever is greater?

☐ Yes ☒ No

### Width of Base Station

- 2) Will any of the proposed equipment protrude from the edge of the support structure by more than six (6) feet?

☐ Yes ☒ No

### Excavation or Equipment Placement

- 3) Will the proposed changes in Transmission Equipment involve excavation or placement of new equipment outside the existing Base Station site or outside any access or utility easements currently related to the site?

☐ Yes ☒ No

### Equipment Cabinets

- 4) Will the proposed modification in Transmission Equipment involve installation of more than the standard number of new equipment cabinets for the technology involved, but not to exceed four?

☐ Yes ☒ No

### Concealed or Stealth-Designed Wireless Facilities

5)

- a) Is the existing wireless facility concealed or stealth- designed?

☒ Yes ☐ No

- b) If the answer to 5a) is "Yes," will the proposed modification in Transmission Equipment defeat the existing concealed or stealth-design?

☐ Yes ☒ No

## Compliance with Preexisting Conditions of Approval for the Base Station

6)

- a) Were there any conditions of approval stated in the original government approval of the Base Station?

☒ Yes ☐ No

- b) Will the proposed modification in Transmission Equipment comply with conditions of approval imposed on the Base Station prior to February 22, 2012?

☐ Yes ☒ No

- c) If the answer to 6b) is "No," is the non-compliance due solely to any of the conditions addressed in Questions 1-5 above?

☒ Yes ☐ No

**If the answers to questions 1-4 are "No," the answer to either 5a) or b) is "No," and the answers to 6a) is "No" or the answers to either 6b) or 6c) are "Yes," then the proposed modifications do not substantially change the physical dimensions of the existing Base Station.**

Explanatory Comments:

Question No.5 (b)

Comment: The installation of four (4) new panel antennas will not defeat the existing stealth design as three (3) of the new antennas will be concealed within two (2) faux chimneys at a height consistent with the existing rooftop antennas. Furthermore, pursuant to the previous decision by the Board of Zoning Appeal for the City of Cambridge (the "Board") for this site, dated December 5, 2012 (Case No. 10337) (the "Decision"), the existing panel antennas are located in the preferred location on the building and the installation of one façade mounted antenna, that will be installed adjacent to the existing antennas on a low profile mount and painted to match the existing building, will not defeat the existing stealth design. As such, the installation of four (4) new panel antennas will be in conformity with the Decision and do not defeat the existing stealth design. The proposed installations will not substantially increase the facility and as such the proposed visual impact will be de minimus for many of the same reasons stated in the Decision attached hereto.

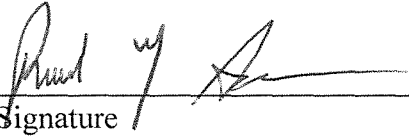
Question No.6 (c)

Comment: Notwithstanding the aforementioned showing that the proposed modification to this site does not substantially change the physical dimensions of the existing Base Station and is subject to the Spectrum Act, this site is the proper location for a wireless installation pursuant to the Decision. Furthermore, in the Decision the Board stated that continued operation of adjacent

uses would not be adversely affected by the previously proposed equipment addition, and no nuisance or hazard would be created to the detriment of the health, safety or welfare of the occupant or the citizens of the City of Cambridge. The proposed modification to this site is very similar to the previous modification approved by this board and as such, we respectfully submit that it will have the same de minimis impact. Moreover, the proposed installation is necessary to accommodate the existing and future customer base as demand for data and cell service has steadily increased and continues to do so.

---

This certification is dated this 11<sup>th</sup> day of May, 2017.

  
Signature \_\_\_\_\_

Ricardo M. Sousa, Esq., Attorney for Applicant



## Eligible Facilities Request (EFR) Application Form

[Attach this EFR form to the local jurisdiction form used to process cell site modifications.]

Date of Submittal: \_\_\_\_\_

Submitted by:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Contact information: \_\_\_\_\_

Name of Jurisdiction: \_\_\_\_\_

Address of Jurisdiction: \_\_\_\_\_

Contact Name for Jurisdiction: \_\_\_\_\_

Name of Local Government Permit Application: \_\_\_\_\_

Local Government File #: \_\_\_\_\_

Street Address of Site: \_\_\_\_\_

Tax Parcel # of Site: \_\_\_\_\_

Latitude/Longitude of Site: \_\_\_\_\_

List Each Piece of Transmission Equipment that will be Collocated or Added:

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List Each Piece of Transmission Equipment that will be Removed:

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List Cabinets that will be Collocated or Added at the Site:

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List Cabinets that will be Removed at the Site:

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Permit Application Deposit Amount: \_\_\_\_\_

Municipal Consultant Review Fee Deposit (if applicable): \_\_\_\_\_



# INSPECTIONAL SERVICES DEPARTMENT

City of Cambridge • 831 Massachusetts Avenue • Cambridge, Massachusetts 02139

617-349-6100 • TTY 617-349-6112 • Fax 617-349-6132

Ranjit Singanayagam - Commissioner

**Application for a PERMIT to Build, Alter, or Repair ANY BUILDING**  
(other than a 1 or 2 family Dwelling) in accordance with Massachusetts State Building Code 780 CMR (MSBC).

**Application must be filled out COMPLETELY in ink.**

**Building Address** 141 Portland Street, Cambridge, MA

Building Owner Kendall Square Entity, Inc.

Phone # 617-779-0433

Owner Address 1270 Soldiers Field Road, Boston, MA

Contractor Aerial Wireless Services

Phone # 508-272-1631

Contractor Address 125 Depot Street, Bellingham, MA

Architect/Engineer Chappell Engineering Associates, LLC

Phone # 508-481-7400

Address 201 Boston Post Road West, Marlborough, MA

**TYPE OF WORK:** New Construction ☐ Addition ☐ Change of Occupancy ☐

Repair ☐ Alteration Level 1 ☐ Alter Level 2 ☐ Alter Level 3 ☐ Roof ☐

Wireless Equipment Upgrade

**EXISTING BUILDING INFORMATION** (Required - MSBC Ch. 34 Sec 101.5.4.0 Amended)

Current Use Wireless Facility Proposed Use No Change

For Residential Use: Current number of dwelling units Proposed number of dwelling units

Building Construction type:

Non-Combustible (Type I/II) ☒ Masonry/Wood ( III ) ☐ Wood (IV,V) ☐

Building Equipped with : Sprinkler System: Yes / No Fire Alarm: Yes / No Smoke Detection: Yes / No

Provide a description of the building: 128' building

**Description of Proposed Work:** Include effects of the proposed work on the structural, egress, fire protection, energy conservation, light, and ventilation systems of the space or building. Include any changes as listed in Zoning Information (pg 2).

Install (4) antennas and (8) remote radio units

**Note:** 2 sets of construction documents, plus 1 set in digital format, required to be submitted for review.

## ESTIMATED COST OF CONSTRUCTION:

Building \$60,000

HVAC

Electric

Sprinklers

Plumbing/Gas

Fire Detection

Gas Fitting

Fire Suppression

**Total Estimated Cost of Construction** \$60,000

Total Construction costs include all work done concurrently with the work contemplated by the Building Permit including demolition, plumbing, heating, electrical, air conditioning, painting, wall to wall carpeting, landscaping, site improvements, etc. Furnishings and portable equipment are not part of the total construction cost. A signed copy of contractor/client contract must be included with Application. A final cost affidavit completed by the owner will be required at construction completion for all projects (affidavit required for final sign-off).

## ZONING INFORMATION (REQUIRED)

The Applicant is responsible for proving Zoning compliance.

Current Use Wireless Facility Proposed Use No Change Zone Ind. B BZA/PB Case # 10337

For residential: Current number of dwelling units N/A Proposed number of dwelling units N/A

☒ Proposed work includes – reconstruction of an existing exterior building element (porch, deck, etc.). Provide recent photos of existing conditions, and fully dimensioned plans and elevations.

☐ Proposed work includes - enclose a covered porch, build uncovered exterior stairs, build decks at the 1<sup>st</sup> floor level, build roof decks over existing 1<sup>st</sup> or 2<sup>nd</sup> floors, create new windows (including moving existing windows), doors, or skylights. Provide a stamped and scalable surveyor's plot plan, the height of the highest point of the roof, recent photos of existing conditions, and fully dimensioned plans and elevations. If Zoning Appeal case, include copy of registered decision.

☐ Proposed work includes – new construction, additions, dormers, bays, balconies, covered stairs/landings and/or porches, decks at the 2<sup>nd</sup> floor level or higher, roof decks over the 3<sup>rd</sup> floor or higher, or to excavate a basement, change any floor or ceiling height, change the use or increase the number of dwelling units of a building, erect an outbuilding, or to do any similar work. Provide all previously listed documents, plus a comprehensive Zoning Analysis showing compliance with all aspects of the Cambridge Zoning Ordinances. If BZA or Planning Board case, include copy of registered decision.

☐ None of the above. The proposed work is not of the types listed above and is not regulated by the Zoning Ordinance.

**Certified Plot Plan:** For new structures and additions, a certified plot plan shall be submitted after the foundation is poured and before further work commences.

**Energy Conservation:** Effective July 1, 2010, the City of Cambridge has adopted the Stretch Energy Code, 780 CMR115AA. The Stretch Code requirements are in addition to the requirements of the most recently published version of the ICC International Energy Conservation Code (IECC). Check all applicable:

☐ The proposed project is subject to Stretch Code and/or IECC provisions and documentation indicating compliance has been included with this application.

☐ The proposed work involves changes to the building lighting system and a Lighting Power Density Report has been included with this application.

☒ The proposed work does not access or affect the building energy envelop.

All Residential work requires a completed Energy Star Qualified Homes Thermal Bypass Inspection Checklist at final inspection. This form is available at [www.energystar.gov](http://www.energystar.gov) or from the Building Official.

### Fire Protection:

For proposed work that may include any fire protection work as regulated by MSBC Ch. 9 Fire Protection Systems, review and approval of the construction documents by the Cambridge Fire Department is required before submittal.

Camb. Fire Dept. has reviewed this application Yes / ☒ No

A Narrative Report describing all fire protection systems and their operation is required to be submitted with this application ( Sec 902.1 #1a, MSBC Amended). This report has been submitted Yes / ☒ No

All Fire Protection design documents and calculations are required to be submitted as part of the Building Permit Application.

### Noise Ordinance Affidavit

The undersigned as the Architect/Construction Supervisor for this proposed construction, do hereby certify knowledge of Chap 8.16 of the Cambridge Municipal Code concerning noise control.

I certify that necessary actions will be taken concerning the design, specification of, and location of noise producing equipment: e.g., transformers, air handling units, etc., to insure that this project will not result in noise levels that exceed that allowed by the Municipal Code.

Name Kevin Cunningham

Title Construction Supervisor

Signature *Kevin Cunningham*

Registration/License # CS-088703

Please note that additional Mechanical Permits and Sheet Metal permits may be required for installation of any mechanical system. New rooftop units (including solar panels) require an existing building analysis by a Registered Structural Engineer for suitability of the installation.



## CONSTRUCTION SERVICES (REQUIRED)

Any project proposed for any building over 35000 ft<sup>3</sup> must meet the requirements of Sec.107.6 & Chapter 17, MSBC.

### Architect / Registered Design Professional (Construction Control Sec 107, MSBC Amended)

Name David A. Chappell Phone # 508-481-7400

Firm Chappell Engineering Associates, LLC Cell Phone# \_\_\_\_\_

Address 201 Boston Post Road West, Marlborough, MA 01752

MA Registration Number 34706 Email Address: dchappell@chappellengineering.com

Application shall include signed and stamped letter from Registered Design Professional attesting to duties and obligations required by Sections 107.6 (Construction Control) and Chapter 17 (Structural Tests and Special Inspections) MSBC Amended. Application shall also include schedule of tests, inspections and observations as required by Section 1701.1.1 MSBC Amended.

### Structural Peer Review (MSBC 780 CMR 105.9 Amended):

Is Independent Structural Engineering Peer Review required Yes \_\_\_\_\_ No x

If Yes, review must be submitted with application. Peer Review is required for high rise construction or buildings of unusual complexity as determined by the BBRs.

**Read Before Signing:** The undersigned hereby certifies that he/she has read and examined this application and that the proposed work subject to the provisions of the Massachusetts State Building Code and other applicable laws and ordinances is accurately represented in the statements made in this application and that the work shall be carried out in accordance with the foregoing statements and in compliance with the provisions of law and ordinance in force on the date of this application to the best of his/her ability.

### Licensed Construction Supervisor

Name Aerial Wireless Services Phone # 508-272-1631

Address 125 Depot Street, Bellingham, MA Cell Phone # \_\_\_\_\_

License Number CS-088703 Expiration Date 10/9/2017 Class CS

Signature [Signature] Date 12/29/2016

Email Address agolini@aerialwireless.com

### Registered Home Improvement Contractor (required only for 3 or 4 family owner-occupied dwellings)

Name N/A Phone # \_\_\_\_\_

Address \_\_\_\_\_ Cell Phone # \_\_\_\_\_

Registration Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

### Building Owner of Record (application must be signed by OWNER of Building)

Name Kendall Square Entity, Inc. Phone # 617-779-0433

Address 1270 Soldiers Field Road, Boston, MA

Signature See Letter of Authorization Date \_\_\_\_\_

Email Address Paulc@intercontinental.net

**Hold Harmless Clause:** The Permittee(s) by acceptance of this permit agree(s) to indemnify and hold harmless the City of Cambridge, and its employees, from and against any and all claims, demands and actions for damages resulting from operations under this permit, regardless of negligence of the City of Cambridge, and its employees, are to assume the defense of the City of Cambridge, and its employees, against all claims, demands and actions.

PERMIT NO.

FEE

## MASSACHUSETTS GENERAL LAW REQUIREMENTS

### Workers Compensation Insurance Affidavit (MGL c. 152 §25C96)

A Certificate of Insurance indicating Worker's Compensation coverage or a completed Workers Compensation Insurance Affidavit must be submitted with this application. Failure to provide this affidavit will result in the denial of the issuance of the Building Permit. Failure to secure coverage as required under Section 25A of MGL c.152 can lead to imposition of a fine of up to \$1500.00 and/or one-year imprisonment, as well as civil penalties in the form of a STOP WORK ORDER and a fine of up to \$250.00 a day against the violator.

Signed Affidavit Attached Yes ☒ No ☐

### Construction Debris Affidavit (MGL c 40 §54)

As result of the provisions of MGL c 40 §54, I acknowledge that as a condition of the Building Permit, all debris resulting from the construction activity governed by this Building Permit shall be disposed of in a properly licensed waste disposal facility, as defined by MGL c 111 §150A.

The debris will be disposed at/by Carry Off Site - 125 Depot St., Bellingham, MA 01919

Roll-Off Dumpster or Container? Yes / No / Specify \_\_\_\_\_ Dumpster Permit # \_\_\_\_\_

Signature Kew [Signature] Date 12/29/2016

I certify that I will notify the Building Official by \_\_\_\_\_ (two months maximum) of the location of the solid waste disposal facility where the debris resulting from said construction activity shall be disposed of, and I shall submit the appropriate form for attachment to the Building Permit

Signature \_\_\_\_\_ Date \_\_\_\_\_

## OFFICIAL USE ONLY

### Department Approvals

BZA _____	Date _____	Electrical _____	Date _____
Planning Board _____	Date _____	Plumbing _____	Date _____
Historic _____	Date _____	D.P.W. _____	Date _____
Fire Dept. _____	Date _____	Parking _____	Date _____

### Application Approval (Subject to the provisions of the Massachusetts State Building Code 780 CMR and the Zoning Laws of the City of Cambridge.)

Application and Plans Accepted By: \_\_\_\_\_ Bin \_\_\_\_\_ Date \_\_\_\_\_

Zoning Approved By: \_\_\_\_\_ Date \_\_\_\_\_

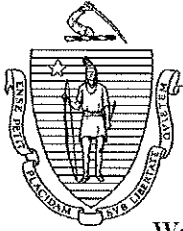
Plan Review Approved By: \_\_\_\_\_ Date \_\_\_\_\_ AAB Review by: \_\_\_\_\_ Date \_\_\_\_\_

Permit Approved/Granted By: \_\_\_\_\_ Date \_\_\_\_\_

### Inspection Record

\_\_\_\_\_ **Final Inspection Made**  
Date \_\_\_\_\_ By: \_\_\_\_\_

Certified Foundation Plan submitted: Yes _____ No _____	Certificate of Occupancy issued: Yes _____ No _____
Final Cost Affidavit: Yes _____ No _____	General Contractor Final Affidavit: Yes _____ No _____
Architect Final Affidavit: Yes _____ No _____	Structural Engineer Final Affidavit: Yes _____ No _____
Final as-built drawings submitted in digital format? Yes _____ No _____	



*The Commonwealth of Massachusetts*  
*Department of Industrial Accidents*  
*1 Congress Street, Suite 100*  
*Boston, MA 02114-2017*  
*www.mass.gov/dia*

**Workers' Compensation Insurance Affidavit: Builders/Contractors/Electricians/Plumbers.**  
**TO BE FILED WITH THE PERMITTING AUTHORITY.**

**Applicant Information**

**Please Print Legibly**

Name (Business/Organization/Individual): Aerial Wireless Services, LLC

Address: 125 Depot Street

City/State/Zip: Bellingham, MA 02019

Phone #: 508-657-1213

Are you an employer? Check the appropriate box:

1. ☒ I am an employer with 83 employees (full and/or part-time).\*
2. ☐ I am a sole proprietor or partnership and have no employees working for me in any capacity. [No workers' comp. insurance required.]
3. ☐ I am a homeowner doing all work myself. [No workers' comp. insurance required.]†
4. ☐ I am a homeowner and will be hiring contractors to conduct all work on my property. I will ensure that all contractors either have workers' compensation insurance or are sole proprietors with no employees.
5. ☐ I am a general contractor and I have hired the sub-contractors listed on the attached sheet. These sub-contractors have employees and have workers' comp. insurance.‡
6. ☐ We are a corporation and its officers have exercised their right of exemption per MGL c. 152, §1(4), and we have no employees. [No workers' comp. insurance required.]

Type of project (required):

7. ☐ New construction
8. ☐ Remodeling
9. ☐ Demolition
10. ☐ Building addition
11. ☐ Electrical repairs or additions
12. ☐ Plumbing repairs or additions
13. ☐ Roof repairs
14. ☐ Other \_\_\_\_\_

\*Any applicant that checks box #1 must also fill out the section below showing their workers' compensation policy information.

†Homeowners who submit this affidavit indicating they are doing all work and then hire outside contractors must submit a new affidavit indicating such.

‡Contractors that check this box must attach an additional sheet showing the name of the sub-contractors and state whether or not those entities have employees. If the sub-contractors have employees, they must provide their workers' comp. policy number.

**I am an employer that is providing workers' compensation insurance for my employees. Below is the policy and job site information.**

Insurance Company Name: Zurich American Ins Co

Policy # or Self-ins. Lic. #: WC014710500

Expiration Date: 9/9/2017

Job Site Address: \_\_\_\_\_ City/State/Zip: \_\_\_\_\_

**Attach a copy of the workers' compensation policy declaration page (showing the policy number and expiration date).**

Failure to secure coverage as required under MGL c. 152, §25A is a criminal violation punishable by a fine up to \$1,500.00 and/or one-year imprisonment, as well as civil penalties in the form of a STOP WORK ORDER and a fine of up to \$250.00 a day against the violator. A copy of this statement may be forwarded to the Office of Investigations of the DIA for insurance coverage verification.

**I do hereby certify under the pains and penalties of perjury that the information provided above is true and correct.**

Signature: [Signature]

Date: 9/8/2016

Phone #: 508-657-1213

**Official use only. Do not write in this area, to be completed by city or town official.**

City or Town: \_\_\_\_\_ Permit/License # \_\_\_\_\_

Issuing Authority (circle one):

1. Board of Health 2. Building Department 3. City/Town Clerk 4. Electrical Inspector 5. Plumbing Inspector  
6. Other \_\_\_\_\_

Contact Person: \_\_\_\_\_ Phone #: \_\_\_\_\_



AERIWIR-01

MAJA

## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/7/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Oswald Companies - Detroit, MI 39572 Woodward Ave., Suite 201 Bloomfield Hills, MI 48304	(248) 433-1466	<b>CONTACT NAME:</b> Wanda Mondry	
		<b>PHONE (A/C, No, Ext):</b> (248) 433-7616	<b>FAX (A/C, No):</b> (248) 433-1711
		<b>E-MAIL ADDRESS:</b> wmondry@oswaldcompanies.com	
		<b>INSURER(S) AFFORDING COVERAGE</b>	<b>NAIC #</b>
		<b>INSURER A :</b> Zurich American Ins Co	16535
<b>INSURED</b> Aerial Wireless Services LLC 125 Depot Street Bellingham, MA 02019	<b>INSURER B :</b>		
	<b>INSURER C :</b>		
	<b>INSURER D :</b>		
	<b>INSURER E :</b>		
	<b>INSURER F :</b>		

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	N	N	GLO014710400	9/9/2016	9/9/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	N	N	BAP014710600	9/9/2016	9/9/2017	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ 1,000,000 BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ 1,000,000
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ None	N	N	AUC014711300	9/9/2016	9/9/2017	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	N	WC014710500	9/9/2016	9/9/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

## CERTIFICATE HOLDER

## CANCELLATION

For Information Purposes

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*Jacob Madig*

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Massachusetts Department of Public Safety  
Board of Building Regulations and Standards

License: **CS-088703**  
Construction Supervisor

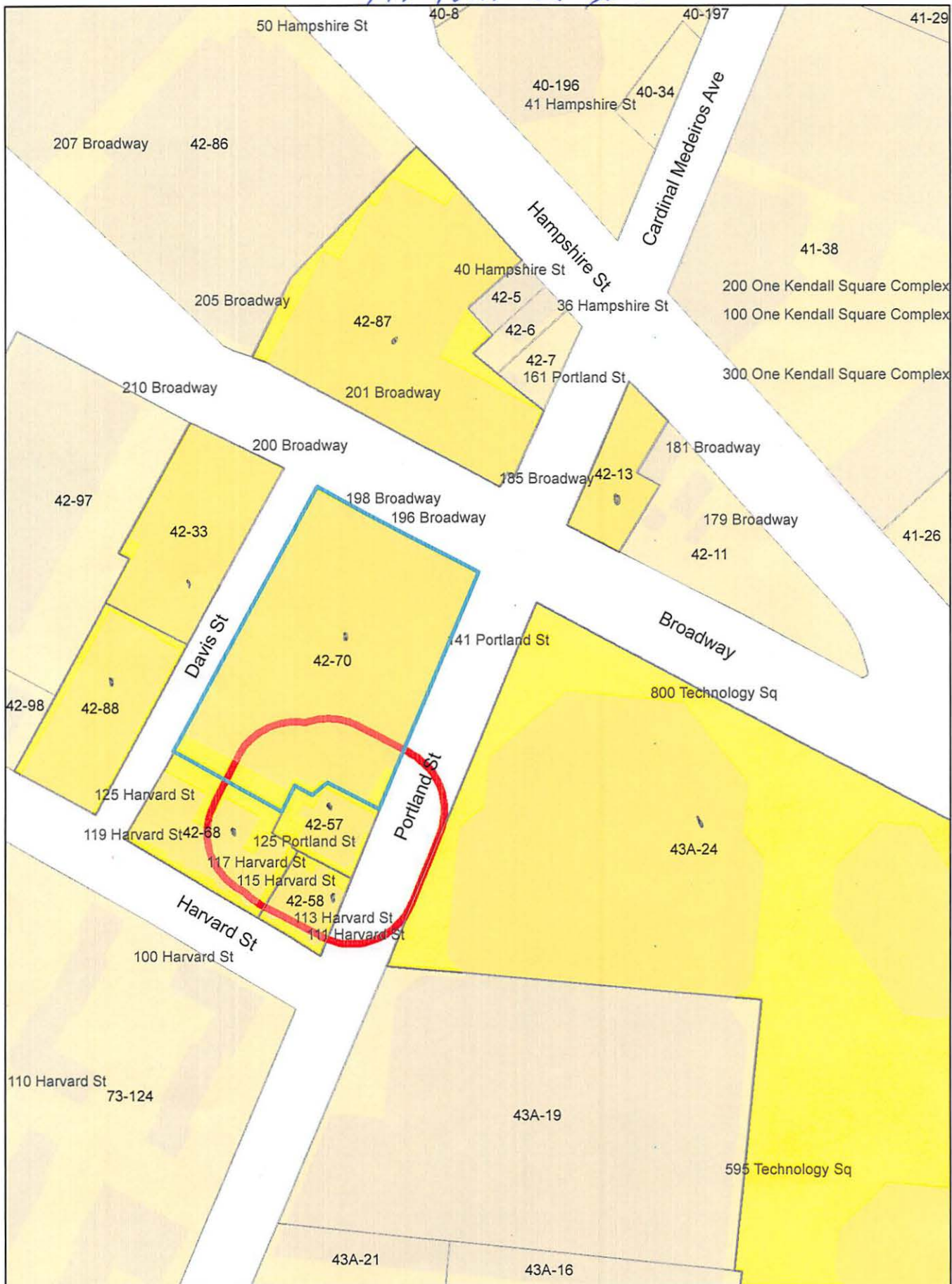
**KEVIN CUNNINGHAM**  
29 HALE RD  
STOW MA 01775



*Matthew C.*  
Commissioner

Expiration:  
**10/09/2017**

141 Portland St.



141 Portland St.

142  
Petitioner

43A-24  
CHARLES STARK DRAPER LABORATORY, INC.  
ATTN: ELIZABETH MORA - MS #05  
555 TECHNOLOGY SQUARE  
CAMBRIDGE, MA 02139

42-13  
CAMBRIDGE ELECTRIC LIGHT CO. NSTAR  
ELECTRIC CO.  
P.O. BOX 270  
HARTFORD, CT 06141

PRINCE LOBEL TYE LLP  
C/O RICARDO M. SOUSA, ESQ.  
ONE INTERNATIONAL PLACE, SUITE 3700  
BOSTON, MA 02110

42-57  
CANAVAN, TERRY L.  
C/O JAS HOMEOWNERSHIP LLC  
ATTN: JUST A START CORPORATION  
1035 CAMBRIDGE ST. #12  
CAMBRIDGE, MA 02141

42-57  
VOGEL, FRANK E.  
125 PORTLAND ST., #2  
CAMBRIDGE, MA 02139

42-57  
BASTOS, GERADO  
125 PORTLAND ST.  
CAMBRIDGE, MA 02139

42-57  
MONTOTO, AMANDA MARLENE  
125 PORTLAND ST., #4  
CAMBRIDGE, MA 02139

42-57  
SCHECHTERMAN, DEBORAH  
125 PORTLAND ST., #5  
CAMBRIDGE, MA 02139

42-57  
BARUA, PRAJOY & MAHUYA MUTSUDDI  
125 PORTLAND ST., #6  
CAMBRIDGE, MA 02139

42-57  
LEE, HAN KYU  
125 PORTLAND ST., #7  
CAMBRIDGE, MA 02140

42-57  
KOCHANOWSKI, EDWARD J. &  
MARGERY WILSON  
125 PORTLAND ST  
CAMBRIDGE, MA 02139

42-58  
MARTINS, ALFRED & ALICE MARTINS,  
TRS. OF THE MARTINS HARVARD REALTY TRUST  
166 HIGHLAND AVE  
SOMERVILLE, MA 02143

42-68  
MARTINS, ALFRED & ALICE MARTINS  
TRS. OF THE MARTINS HARVARD REALTY TRUST  
& CITY OF CAMBRIDGE TAX TITLE  
166 HIGHLAND AVE.  
SOMERVILLE, MA 02143

42-70  
U.S.T. FINANCIAL PLANNING CO., INC.  
C/O INTERCONTINENTAL MANAGEMENT CORP.  
1270 SOLDIERS FIELD ROAD  
BRIGHTON, MA 02135

42-87  
BROADWAY/HAMPSHIRE ASSOCIATES  
LIMITED PARTNERSHIP  
ONE APPLETON ST.  
BOSTON, MA 02116

42-88  
KAY, SUPA  
125 HARVARD ST, #101  
CAMBRIDGE, MA 02139

42-88  
DIETRICH, KERRY  
125 HARVARD ST., #408  
CAMBRIDGE, MA 02139

42-88  
RAYMOND, SCOTT B. & EMILY S. RAYMOND  
125 HARVARD ST. UNIT#407  
CAMBRIDGE, MA 02139

42-88  
GREEN, JANICE B.  
125 HARVARD ST. UNIT#406  
CAMBRIDGE, MA 02139

42-88  
BISHOP, MICHAEL BLAKE  
125 HARVARD ST., #405  
CAMBRIDGE, MA 02139

42-88  
DENG, CHAO LI & GUAN YU CHEN  
125 HARVARD ST., #404  
CAMBRIDGE, MA 02139

42-88  
JAS HOMEOWNERSHIP LLC  
C/O BRITT, ERIN M.  
125 HARVARD ST., #403  
CAMBRIDGE, MA 02139

42-88  
HENRIQUEZ, REYNA E.  
678 MASSACHUSETTS AVE  
CAMBRIDGE, MA 02139

42-88  
LAVINE, REBECCA  
125 HARVARD ST., #401  
CAMBRIDGE, MA 02139

42-88  
LIU, HAORYANG & SIAN V. LIU  
125 HARVARD ST. UNIT#307  
CAMBRIDGE, MA 02139

42-88  
WORON, STEPHANIE  
125 HARVARD ST. UNIT#306  
CAMBRIDGE, MA 02139

42-88  
ZAMORA, ELEONORE  
C/O CASCAP REALTY INC  
231 SOMERVILLE AVE  
SOMERVILLE, MA 02143

42-88  
CRUZ, MARGARITA  
125 HARVARD ST., #304  
CAMBRIDGE, MA 02139

42-88  
BARAGLIA, CARLO & MICHELLE M. DUVAL  
C/O JAS HOMEOWNERSHIP LLC  
1035 CAMBRIDGE ST., #12  
CAMBRIDGE, MA 02141

42-88  
KAFLE, RUKMANI & RAMJI BASNET  
125 HARVARD ST., #302  
CAMBRIDGE, MA 02139

*141 Portland St.*

42-88  
BERNARD, ROSE M.  
125 HARVARD ST. UNIT#301  
CAMBRIDGE, MA 02139

42-88  
MARTINEZ, LIGIA E.  
125 HARVARD ST., #208  
CAMBRIDGE, MA 02141

42-88  
ALI, AMINAT H.  
125 HARVARD ST. UNIT#207  
CAMBRIDGE, MA 02139

42-88  
JAS HOMEOWNERSHIP LLC  
1035 CAMBRIDGE ST., #12  
CAMBRIDGE, MA 02141

42-88  
TRAHANT, REMY  
125 HARVARD ST. UNIT#205  
CAMBRIDGE, MA 02139

42-88  
MOUAYDIA, NAJIB & KHADIJA MOUBHIJ  
125 HARVARD ST., #204  
CAMBRIDGE, MA 02139

42-88  
NAVARATNA, DEEPTI  
125 HARVARD ST., #203  
CAMBRIDGE, MA 02139

42-88  
YENESEW, ENDESHAW W. &  
HASABE A. MEKONEN  
125 HARVARD ST. UNIT#202  
CAMBRIDGE, MA 02139

42-88  
JAHAN, NASIM  
125 HARVARD ST., #201  
CAMBRIDGE, MA 02139

42-33  
200 BROADWAY, LLC,  
ATTN: CHRISTOPHER CASSEL  
200 BROADWAY  
CAMBRIDGE, MA 02139





# CAMBRIDGE HISTORICAL COMMISSION

831 Massachusetts Avenue, 2<sup>nd</sup> Fl., Cambridge, Massachusetts 02139  
Telephone: 617 349 4683 Fax: 617 349 3116 TTY: 617 349 6112  
E-mail: histcomm@cambridgema.gov URL: http://www.cambridgema.gov/Historic

William B. King, *Chair*, Bruce A. Irving, *Vice Chair*, Charles M. Sullivan, *Executive Director*  
William G. Barry, Jr., M. Robert G. Crocker, Chandra Harrington, Jo M. Solet, *Members*  
Shary Page Berg, Joseph V. Ferrara, Susannah Barton Tobin, *Alternates*

## Jurisdiction Advice

To the Owner of Property at 141 Portland Street:

The above-referenced property is subject to the jurisdiction of the Cambridge Historical Commission (CHC) by reason of the status referenced below:

- ☐ Old Cambridge Historic District
- ☐ Fort Washington Historic District  
(M.G.L. Ch. 40C, City Code §2.78.050)
- ☐ Avon Hill Neighborhood Conservation District
- ☐ Half Crown – Marsh Neighborhood Conservation District
- ☐ Harvard Square Conservation District
- ☐ Mid Cambridge Neighborhood Conservation District
- ☐ Designated Landmark
- ☐ Property is being studied for designation: \_\_\_\_\_  
(City Code, Ch. 2.78., Article III, and various City Council Orders)
- ☐ Preservation Restriction or Easement (as recorded)
- ☐ Structure is fifty years or more old and therefore subject to CHC review of any application for a demolition permit, if one is required by ISD. (City Code, Ch. 2.78, Article II). **See the back of this page for definition of demolition.**
- ☒ No jurisdiction: not a designated historic property and the structure is less than fifty years old.
- ☐ No local jurisdiction, but the property is listed on the National Register of Historic Places; CHC staff is available for consultation, upon request.  
Staff comments: \_\_\_\_\_

The Board of Zoning Appeal advises applicants to complete Historical Commission or Neighborhood Conservation District Commission reviews before appearing before the Board.

**If a line indicating possible jurisdiction is checked, the owner needs to consult with the staff of the Historical Commission to determine whether a hearing will be required.**

CHC staff initials SPL

Date 5.24.17

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Relationship to project BZA-13323-2017

Date 5.24.17

cc: Applicant  
Inspectional Services Commissioner