

15 Chestnut Street, 4<sup>th</sup> Floor  
Worcester, MA 01609

Paula Foley  
Network Real Estate / Regulatory

RECEIVED

FEB 07 2022

February 7, 2022

TOWN OF WESTWOOD  
OFFICE OF SELECT BOARD

Town of Westwood  
Select Board  
Town Hall  
580 High Street  
Westwood, MA 02090

Re: Petition of Cellco Partnership d/b/a Verizon Wireless ("Verizon") for Pole Attachment of Small Cell Communications Equipment:  
**WESTWOOD\_SC08\_MA, 578 Pond Street, Pole # 27-65A**

Dear Honorable Members of the Select Board:

Enclosed please find a Petition to the Honorable Westwood Select Board for permission to attach, maintain and operate small cell communications equipment on a utility pole located in the public right-of-way (the "Petition"). The proposed small cell equipment installation included with this petition is to be located on a utility pole near the property with an address of 578 Pond Street.

Verizon's radio frequency engineers targeted the proposed location due to the high traffic and data demands on Verizon's network in the area. Verizon's existing macro and small cell sites are not providing adequate data capacity in this location due to population, vehicular and foot traffic, multiple wireless devices being used simultaneously and other contributing factors. This small cell site will work to offload the demand of the macro sites and will allow for increased data capacity and speed within the vicinity of the proposed small cell location.

The small cell equipment will be installed using standard commercially acceptable methods in accordance with all applicable federal, state and local laws and regulations. The proposed attachment is to a utility pole owned by Eversource. Verizon has entered into a pole attachment agreement with Eversource and is licensed to attach its wireless facilities to the pole.

As shown on the attached detailed plans, the small cell installation on the utility pole will include fiber optic cables, an unobtrusive pole-top antenna measuring 35.4" in height and 14" in diameter; a remote radio head unit, conduits and cable protectors, and an electric meter with a shut-off switch. The attached plans show the proposed location, pole height, mounting height, equipment specifications and utility plan.

Without this installation, Verizon would be unable to provide specifically established coverage and capacity objectives. The utility pole is located within the limited

verizon<sup>✓</sup>

geographic area where Verizon's radio frequency engineers determined that a wireless facility is required.

### **The Telecommunications Act of 1996**

The Telecommunications Act of 1996 (the "Act") imposes restrictions affecting the standard for granting the requested relief, specifically (1) no laws or actions by any local government or planning or zoning board may prohibit, or have the effect of prohibiting, the placement, construction, or modification of communications towers, antennas or other wireless facilities in any particular geographic area, see 47 USC § 332(c)(7)(B)(i); (2) local government or planning or zoning boards may not unreasonably discriminate among providers of functionally equivalent service, see 47 USC § 332(c)(7)(B)(i); (3) health concerns may not be considered so long as emissions comply with the applicable standards of the FCC, see 47 USC § 332(c)(7)(B)(iv); and (4) decisions must be rendered within a reasonable period of time, see 47 USC § 332(c)(7)(B)(ii). The presumptively reasonable period of time established by the FCC in this instance is 60 days from the submission of a complete Petition, see 47 CFR § 1.6003(c)(1)(i).

Accordingly, under Massachusetts General Laws Chapter 166, Sections 21, 22, 25A, and the above mentioned federal provisions, Verizon respectfully requests that the Westwood Select Board issue a Grant of Location Order to install and operate fixtures as specified herein.

Verizon respectfully requests that the Petition be added to the Select Board agenda.

In accordance with the filing requirements, please find the following:

1. Petition for Pole Attachment;
2. Site Drawing;
3. Proposed Order; and
4. Pole Attachment License issued to Verizon from the pole owner, Eversource.

Verizon looks forward to presenting this Petition to the Westwood Select Board. Should you require any additional information, please don't hesitate to contact me. Thank you very much.

Very truly yours,

*Paula Foley*

Paula Foley  
Network Real Estate / Regulatory  
M: 508.269.0172  
[Paula.foley@verizonwireless.com](mailto:Paula.foley@verizonwireless.com)

cc: Nora W. Loughnane, Director  
Department of Community and Economic Development

## PETITION FOR SMALL CELL POLE ATTACHMENT

To the Select Board of the Town of Westwood, Massachusetts

Cellco Partnership d/b/a Verizon Wireless hereby provides a petition to this Honorable Board for the location of a small cell wireless antenna, and the necessary sustaining and protecting fixtures, on a utility pole in Westwood, Massachusetts, as more particularly shown on the plans included herewith.

### Pole Location

Pole Location: 578 Pond Street - Utility Pole Number: 27-65A

Proposed Equipment: Antenna, Remote Radio Heads, AC/DC Converter, associated wires, cables, meter and fiber demark box on a utility pole as shown on the attached Plans titled WESTWOOD\_SC08\_MA prepared by Chappell Engineering Associates, LLC with a date of 2/1/22

Purpose: To address network coverage and capacity in the immediate area of the subject pole. Offload wireless traffic from macro sites and designed to increase throughput to customers in proximity to the pole.

Respectfully submitted,

PETITIONER:

Cellco Partnership d/b/a Verizon Wireless

*Paula Foley*

Paula Foley  
Network Real Estate / Regulatory  
15 Chestnut Street, 4<sup>th</sup> Floor  
Worcester, MA 01609  
M: 508.269.0172  
[Paula.foley@verizonwireless.com](mailto:Paula.foley@verizonwireless.com)



# verizon

20 ALEXANDER DRIVE, WALLINGFORD, CT 06492

**PROJECT TYPE: SMALL CELL WIRELESS TELECOMMUNICATIONS  
INSTALLATION ON EXISTING WOOD UTILITY POLE**

## SITE: WESTWOOD\_SC08\_MA

**UTILITY POLE #27/65A  
578 POND STREET  
WESTWOOD, MA 02090**

PRESIDING POWER COMPANY  
**EVERSOURCE**

CLIENT:  
**verizon**  
Verizon Online Mobility

ARCHITECT/ENGINEER:  
**CHAPPELL  
ENGINEERING  
ASSOCIATES, LLC**  
Civil • Structural • Land Surveying

R.K. EXECUTIVE CENTRE  
201 BOSTON POST ROAD WEST, SUITE 101  
WALDOROUGH, MA 01732  
(508) 481-7400  
www.chappellengineering.com

SEAL:  
  
ENGINEER/LAND SURVEYOR DATE

**DRAWING SCALE: NONE.**  
THIS DRAWING AND ANY INSTRUMENTS OR INSTRUMENTS USED IN THE FIELD TO OBTAIN THE DATA SHOWN ON ANY REPRESENTATION OF A SURFACE OR POINT ARE HEREBY CERTIFIED TO BE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF. THIS DRAWING IS NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF CHAPPELL ENGINEERING ASSOCIATES, LLC.  
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

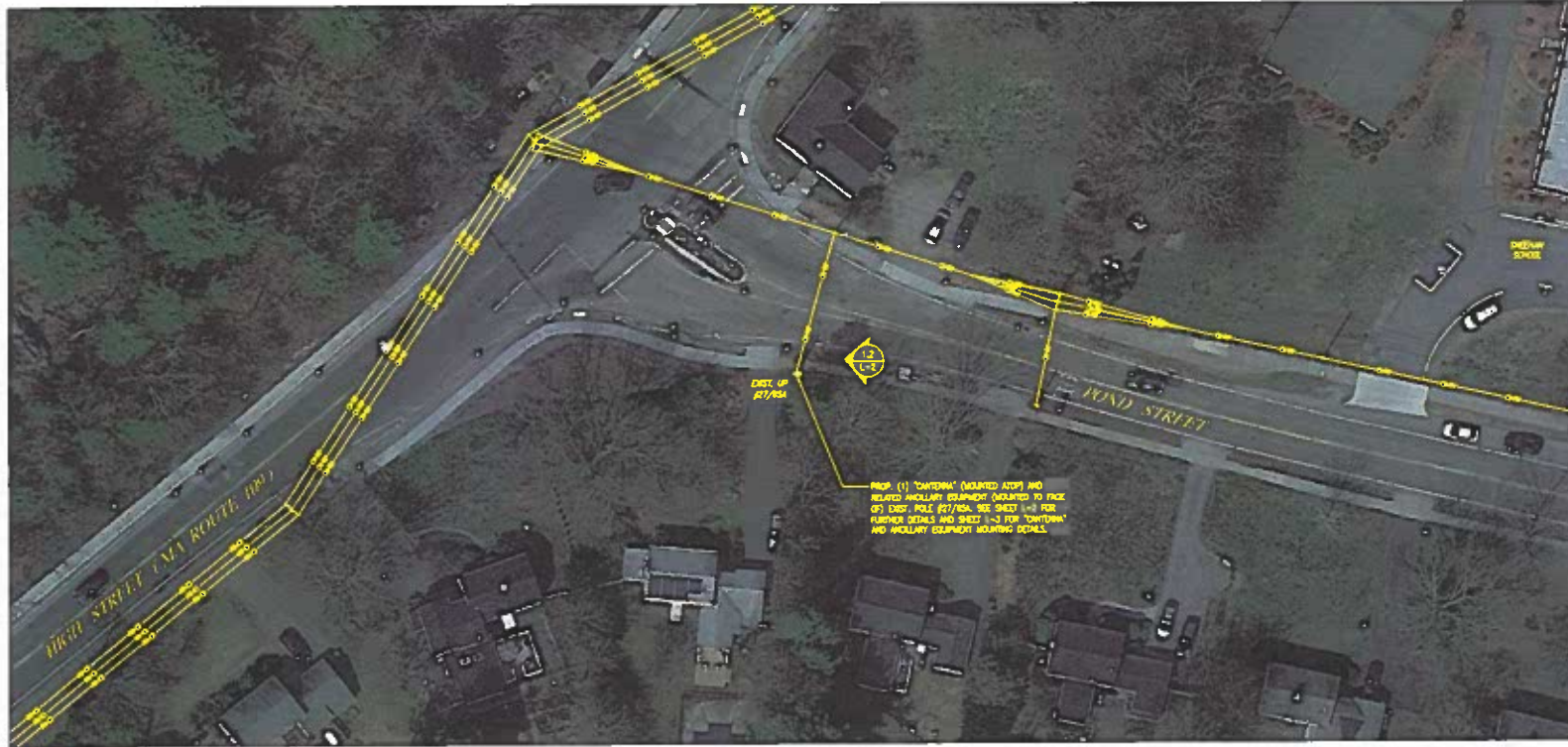
REVISIONS		
NO.	DESCRIPTION	DATE
3	REVISED LEASE EXHIBIT	6/9/17
4	REVISED LEASE EXHIBIT	2/17/17
5	REVISED LEASE EXHIBIT	7/18/16
6	PROJECT UPDATE	2/1/12

SITE NAME:  
**WESTWOOD\_SC08\_MA**  
UTILITY POLE #27/65A  
578 POND STREET  
WESTWOOD, MA 02090

DRAWING TITLE:  
**LOCATION PLAN/  
AERIAL IMAGE**

DRAWING NO.:  
**L-1**

LEASE EXHIBIT NOT FOR CONSTRUCTION			
SCALE	ISSUED BY DATE	REV. NUMBER	DATE
1" = 30'	ISSUED BY DATE	380122	
1400.387	1/27/22	2/12/18	



**SITE COORDINATE POINT:**  
CENTER OF PRE-EXISTING UTILITY POLE #27/65A  
N 42.207050° (42°-12'-25.40")  
W 71.237698° (71°-14'-15.61")  
APPROXIMATE GROUND ELEVATION = 184.2± AMSL  
PER CEA 1A SURVEY

**LOCATION PLAN/AERIAL IMAGE** 1  
SCALE: 1" = 50'  
0 50' 100' 150'

SHEET INDEX		
DWG.	DESCRIPTION	REV.
L-1	LOCATION PLAN/AERIAL IMAGE	0
L-2	UTILITY POLE PHOTOGRAPH AND ELEVATION	0
L-3	ANTENNA & ANCILLARY EQUIPMENT ORIENTATION PLANS AND MOUNTING DETAILS	0
L-4	ANTENNA & ANCILLARY EQUIPMENT SPECIFICATIONS AND ONE LINE DIAGRAM	0



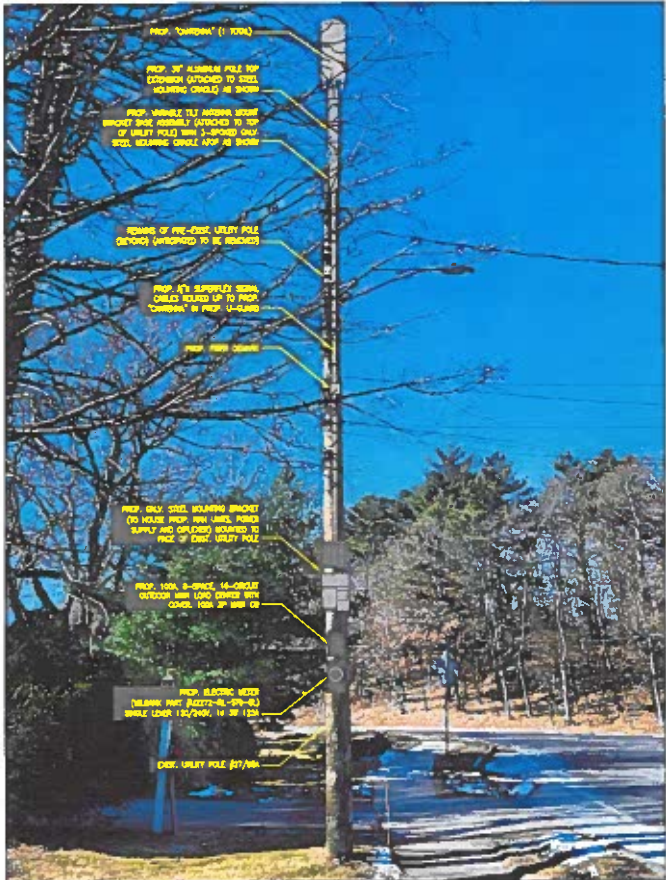
**GENERAL NOTES:**

1. THESE DRAWINGS ARE UNDIMENSIONED BY INTENT AND ARE ATTACHED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION, SIZE AND ORIENTATION OF THE PROPOSED WIRELESS TELECOMMUNICATIONS EQUIPMENT INSTALLATION ON THE EXISTING UTILITY POLE AND ARE NOT SPECIFICALLY INTENDED FOR CONSTRUCTION.
2. VERIZON WIRELESS SHALL PLACE WEATHER RESISTANT PNEUMATIC PLACARDS ON EXISTING UTILITY POLE AND AUXILIARY EQUIPMENT TO IDENTIFY EQUIPMENT OWNERSHIP & CONTACT INFORMATION TO BE UTILIZED IN THE CASE OF EMERGENCY.
3. AN ANALYSIS OF THE CAPACITY OF THE EXISTING UTILITY POLE TO SUPPORT THE PROPOSED LOADING HAS NOT BEEN COMPLETED BY CHAPPELL ENGINEERING ASSOCIATES, LLC. AND THUS, THESE DRAWINGS ARE SUBJECT TO CHANGE PENDING THE OUTCOME OF A STRUCTURAL ANALYSIS (TO BE PERFORMED BY OTHERS).
4. VERIZON WIRELESS' GENERAL CONTRACTOR SHALL EXTEND EFFORTS TO ENSURE THAT ALL PROPOSED EQUIPMENT MEETS THE REQUIREMENTS OF THE EXISTING UTILITY COMPANY OR COMPANIES CURRENTLY OCCUPYING THE EXISTING UTILITY POLE, THE 2017 NATIONAL ELECTRICAL SAFETY CODE AND ALL APPLICABLE LOCAL BUILDING CODE REQUIREMENTS.

**EXISTING AND PROPOSED WIRE TELECOMMUNICATIONS SHALL:**  
 POSITION/ROUTE PROP. AIRBORNE MOUNT BRACKET IN SUCH A WAY AS TO NOT INTERFERE WITH EXIST. STREET LIGHT, PRIMARY POWER CROSSINGS OR PRE-EXIST. BRACKET BRACES, SECONDARY POWER SUPPLIES OR ANY OTHER MISCELLANEOUS APPURTENANCES AND RELATED SUPPORT BRACKETS ENCOUNTERED LOCATED ON THE EXIST. UTILITY POLE.

**EQUIPMENT AND MOUNTING:**  
 CONTRACTOR SHALL POSITION/ROUTE PROP. EQUIPMENT AND ASSOCIATED MOUNTS/BRACKETS IN SUCH A WAY AS TO NOT INTERFERE WITH EXIST. STREET LIGHTS, PRIMARY POWER CROSSINGS OR PRE-EXIST. BRACKET BRACES, SECONDARY POWER SUPPLIES OR ANY OTHER MISCELLANEOUS APPURTENANCES AND RELATED SUPPORT BRACKETS ENCOUNTERED LOCATED ON THE EXIST. UTILITY POLE.

**NOTE:**  
 UTILITY POLE EXIST. APPURTENANCES AND DETAILS OF PROP. REGULATION SHOWN SCHEMATICALLY.



**UTILITY POLE #27/65A PHOTOGRAPH (EXISTING CONDITIONS/SCHEMATIC RENDERING)**

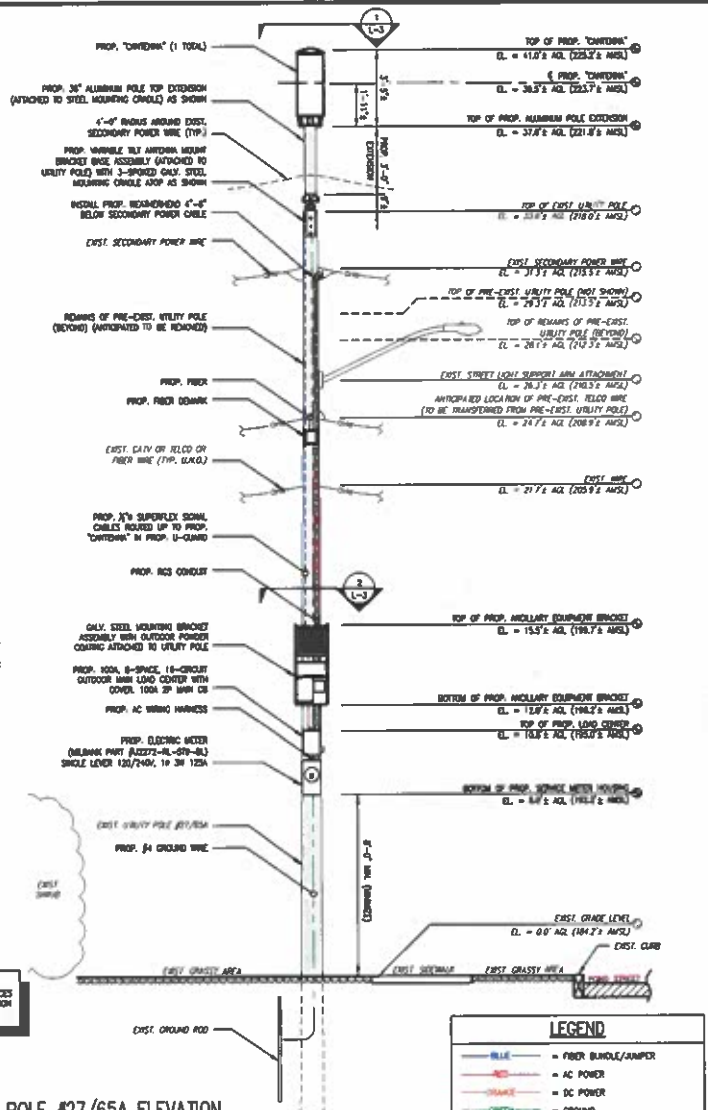
SCALE: 1/8" = 1'-0"

1-1

**UTILITY POLE #27/65A ELEVATION (PROPOSED CONDITIONS)**

SCALE: 3/16" = 1'-0"

2-1



**ARCHITECT/ENGINEER:**  
**CHAPPELL ENGINEERING ASSOCIATES, LLC**  
 Civil-Structural-Land Surveying

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

**ENGINEER/LAND SURVEYOR** \_\_\_\_\_ **DATE** \_\_\_\_\_

**DRAWING SCALE NOTE:**  
 THIS DRAWING WAS PREPARED IN UNITS (U/Y) UNLESS AS NOTED. ALL DIMENSIONS ARE TO BE INTERPRETED AS DIMENSIONS UNLESS OTHERWISE NOTED. THIS DRAWING IS THE PROPERTY OF CHAPPELL ENGINEERING ASSOCIATES, LLC. IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO REPRODUCE THIS DRAWING.

REVISIONS		
NO.	DESCRIPTION	DATE
3	REVISED LEASE EXHIBIT	6/9/17
4	REVISED LEASE EXHIBIT	2/17/17
5	REVISED LEASE EXHIBIT	7/18/16
8	PROJECT UPDATE	2/1/22

**SITE NAME:**  
**WESTWOOD\_SC08\_MA**  
 UTILITY POLE #27/65A  
 578 POND STREET  
 WESTWOOD, MA 02090

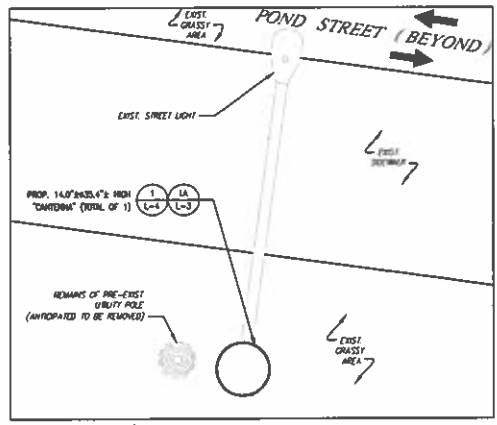
**DRAWING TITLE:**  
**UTILITY POLE PHOTOGRAPH AND ELEVATION**

**DRAWING NO.:**  
**L-2**

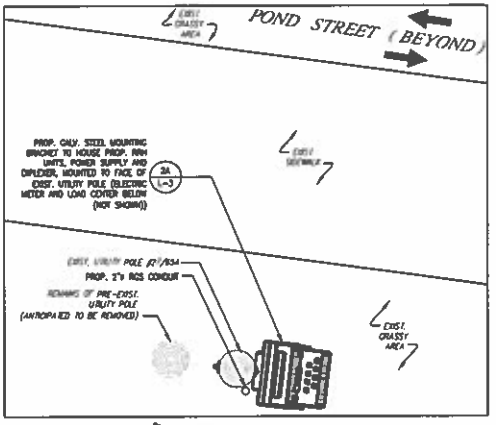
LEASE EXHIBIT NOT FOR CONSTRUCTION

NO.	REVISION BY	DATE	NO. LATEST ISSUE
AS SHOWN	CHAPPELL ENGINEERING ASSOCIATES, LLC	3/30/22	
001 PROJECT NO.	024-88-007-DWG	000001 ISSUE DATE	
1440-387	1/27/22	2/12/18	

**NOTES:**  
 1.) CONFIRM DOWNLIFT REQUIREMENTS (IF ANY) AND ADVISORY SPECIFICATIONS WITH WIRELESS RF CARRIER AT TIME OF CONSTRUCTION.  
 2.) MOUNT SHALL BE INSTALLED IN SUCH A WAY TO ENSURE PLUMB VERTICALITY OF "CANTENNA".  
 3.) UTILITY POLE APPURTENANCES NOT SHOWN FOR CLARITY.

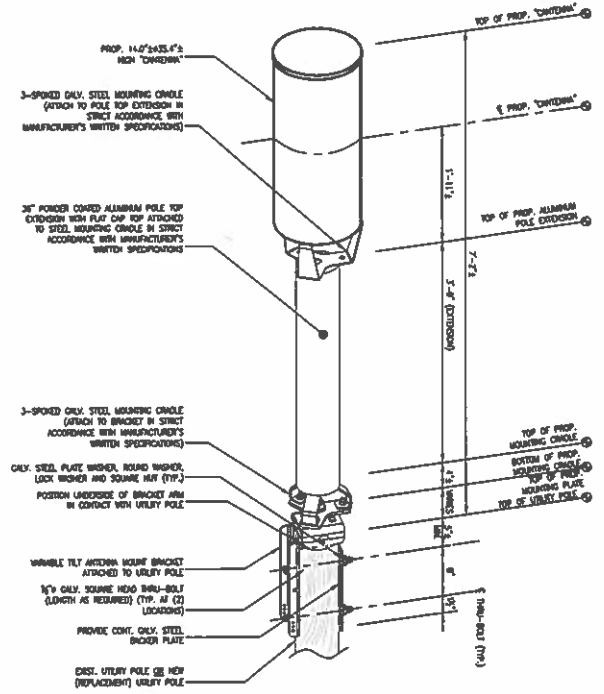


**ANTENNA ORIENTATION PLAN**  
 SCALE: 3/8" = 1'-0"  
 1  
 L-3

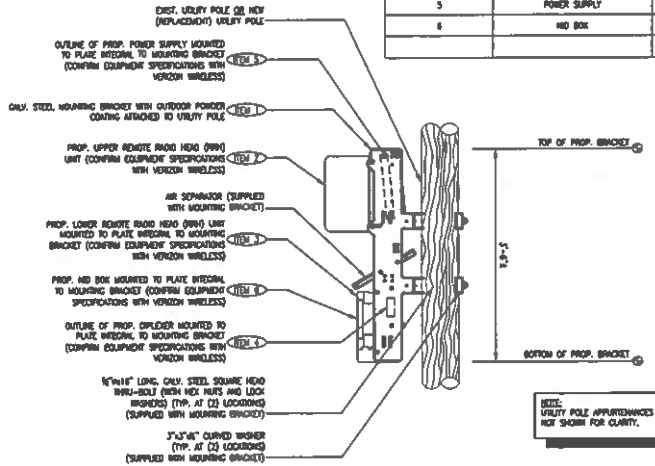


**ANCILLARY EQUIPMENT ORIENTATION PLAN**  
 SCALE: 3/8" = 1'-0"  
 2  
 L-3

ITEM ID (SEE DETAIL)	DESCRIPTION	WEIGHT (lbs)
1	MOUNTING BRACKET	32.22
2	UPPER RRH UNIT	102.52
3	LOWER RRH UNIT	21.42
4	SPLEXER	7.82
5	POWER SUPPLY	25.82
6	HD BOX	-
<b>TOTAL = 189.82 lbs (50% 100 lbs)</b>		



**ANTENNA MOUNT WITH 36" ALUMINUM EXTENSION DETAIL**  
 SCALE: 1/2" = 1'-0"  
 1A  
 L-3



**ANCILLARY EQUIPMENT MOUNTING BRACKET MOUNT DETAIL**  
 SCALE: 1/2" = 1'-0"  
 2A  
 L-3



**ARCHITECT/ENGINEER:**  
**CHAPPELL ASSOCIATES, L.L.C.**  
 Civil Structural - Land Surveying

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

**SEAL:**  
 ENGINEER/LAND SURVEYOR DATE

**DRAWING SCALE NOTE:**  
 THESE DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF A LICENSED PROFESSIONAL ENGINEER TO ALIAS THE GOODWILL.  
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALIAS THE GOODWILL.

**REVISIONS**

NO.	DESCRIPTION	DATE
3	REVISED LEASE EXHIBIT	6/9/17
4	REVISED LEASE EXHIBIT	2/17/17
5	REVISED LEASE EXHIBIT	7/18/16
6	PROJECT UPDATE	2/1/22

**SITE NAME:**  
 WESTWOOD\_SC08\_MA  
 UTILITY POLE #27854  
 578 POND STREET  
 WESTWOOD, MA 02090

**DRAWING TITLE:**  
 ANTENNA & ANCILLARY EQUIPMENT ORIENTATION PLANS AND MOUNTING DETAILS

**DRAWING NO.:**  
 L-3

LEASE EXHIBIT NOT FOR CONSTRUCTION

SCALE	DESIGNED BY: RMC	DATE
AS SHOWN	3/20/22	3/20/22
DATE PROJECT FILED	DATE REVISION MADE	ORIGINATING SCALE
1/400.387	1/27/22	2/12/16



SMALL CELL "CANTENNA"	
DIMENSIONS:	14.0' x 35.4'
WEIGHT:	35.0 LBS
QUANTITY:	TOTAL OF 1

TYPICAL "CANTENNA" SPECIFICATIONS

SCALE: N.T.S.

1  
L-4



REMOTE RADIO HEAD UNIT	
DIMENSIONS:	17.3' x 17.3' x 11.5'
WEIGHT:	102.5 LBS
QUANTITY:	TOTAL OF 1



REMOTE RADIO HEAD UNIT	
DIMENSIONS:	13.0' x 9.0' x 4.8'
WEIGHT:	21.4 LBS
QUANTITY:	TOTAL OF 1

TYPICAL REMOTE RADIO HEAD (RRH) UNIT DIMENSIONS

SCALE: N.T.S.

2  
L-4



DIPLEXER	
DIMENSIONS:	4.3' x 7.9' x 3.3'
WEIGHT:	7.8 LBS
QUANTITY:	TOTAL OF 1



NID BOX	
DIMENSIONS:	7.7' x 7.7' x 4.2'
WEIGHT:	N/A
QUANTITY:	TOTAL OF 1

TYPICAL DIPLEXER DIMENSIONS

SCALE: N.T.S.

3  
L-4

TYPICAL NID BOX DIMENSIONS

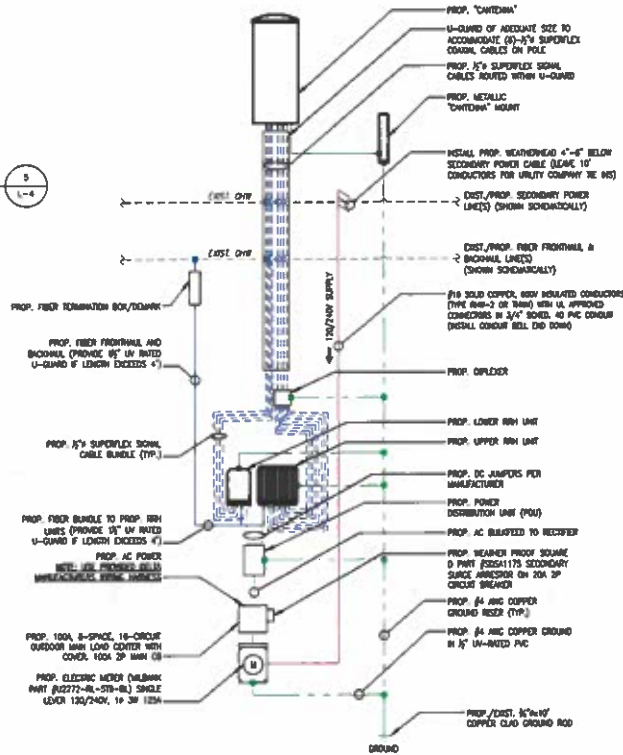
SCALE: N.T.S.

4  
L-4

PANEL SCHEDULE							
16, 3PH, 100A 120/240V AC POWER TRANSFER LOAD CENTER IN NEMA 3R OUTDOOR ENCLOSURE							
CD #	1	2	3	4	5	6	7
DESCRIPTION	MAIN BREAKER	SINGLE JUNCTION	CHINA DISTRIBUTION UNIT	BI	-	-	-
AMP	100	20	20	-	-	-	-

ELECTRICAL LOAD CENTER PANEL SCHEDULE

SCALE: NOT APPLICABLE



- ONE-LINE DIAGRAM NOTES:
- 1) PROVIDE WEATHER TIGHT SEAL CONNECTORS ON ALL CONNECTIONS EACH SIDE OF ENCLOSURE HOUSING
  - 2) COORDINATE ANY FURTHER MISCELLANEOUS WIRING AND CONDUIT REQUIREMENTS WITH WIREMAN WIRELESS AND ELECTRIC COMPANY.

LEGEND	
— (Blue line) —	= FIBER BUNDLE/JUMPER
— (Red line) —	= AC POWER
— (Orange line) —	= DC POWER
— (Green line) —	= GROUND
— (Blue dashed line) —	= 1/2" SUPERPLEX SIGNAL CABLES

FIBER/ELECTRICAL ONE-LINE DIAGRAM

SCALE: N.T.S.

6  
L-4

CLIENT: **verizon**  
"Discover Better Mobility"

ARCHITECT/ENGINEER: **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

SCALE:

ENGINEER/LAND SURVEYOR	DATE

DRAWING SCALE NOTE:  
THIS DRAWING WAS DESIGNED AND DRAWN TO THE BEST OF OUR KNOWLEDGE AND BELIEF. WE MAKE NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION PROVIDED HEREIN. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY AND COMPLETENESS OF THE INFORMATION PROVIDED HEREIN. WE SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS DRAWING.

IF IT IS A REQUIREMENT OF LAW FOR ANY PERIOD, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, WE WILL NOT ALTER THIS DOCUMENT.

REVISIONS		
NO.	DESCRIPTION	DATE
3	REVISED LEASE EXHIBIT	6/9/17
4	REVISED LEASE EXHIBIT	2/17/17
5	REVISED LEASE EXHIBIT	7/18/16
6	PROJECT UPDATE	3/1/12

SITE NAME:  
**WESTWOOD\_SC08\_MA**

UTILITY POLE #27/85A  
578 POND STREET  
WESTWOOD, MA 02090

DRAWING TITLE:  
**ANTENNA & ANCILLARY EQUIPMENT SPECIFICATIONS AND ONE LINE DIAGRAM**

DRAWING NO.:  
**L-4**

LEASE EXHIBIT NOT FOR CONSTRUCTION

SCALE:	CHECKED BY:	DATE:	FOR LEASING CODE:
AS SHOWN			300123
CREATED BY:			
DATE:			
CD PROJECT NO.:			
FOR REVIEW DATE:			
	1/21/22		3/12/16



**ORDER FOR GRANT OF LOCATION**

**UNDER MGL c. 166, §§ 22 and 25A**

By the Select Board of the Town of Westwood, Massachusetts

Notice having been given and public hearing held, as provided by law,

**IT IS HEREBY ORDERED:**

That Cellco Partnership d/b/a Verizon Wireless (“Verizon”) be and is hereby granted a location for and permission to install and maintain telecommunications wires and wireless attachments and appurtenances, including fiber optic cable, remote nodes and pole-top antenna, to be attached to an existing Eversource / Verizon utility pole located in the Public Right of Way within the Town of Westwood, as substantially shown on the plans filed with said Petition for WESTWOOD\_SC08\_MA.

The foregoing permission is subject to the following conditions:

**See Plans filed with this order.**

There may be attached to said pole:

- Antenna;
- Remote Radio Head(s);
- Mounting Brackets;
- Overhead Wires;
- Conduit;
- Cable;
- Diplexer;
- Meter;
- Converter;
- Disconnect; and
- Each sustaining and protecting fixtures as it may find necessary.

I hereby certify that the foregoing was adopted at a meeting of the Select Board of the Town of Westwood, Massachusetts, held on the \_\_\_\_\_ day of \_\_\_\_\_, 2022.

\_\_\_\_\_  
Clerk of Select Board

We hereby certify that on \_\_\_\_\_, 2022, at \_\_\_\_\_ o'clock \_\_ M., at Westwood, Massachusetts, a public hearing was held on the petition of Cellco Partnership d/b/a Verizon Wireless for permission to install a small cell wireless antenna, and the necessary sustaining and protecting fixtures on utility pole #27-65A described in the order herewith recorded, and that we mailed written notice of the time and place of said hearing to each of the owners of real estate (as determined by the last preceding assessment for taxation) along the way or parts of ways upon which said Company is permitted to install a small cell wireless antenna, and the necessary sustaining and protecting fixtures on utility pole #27-65A under said order and that thereupon said order was duly adopted.

Select Board of the Town of Westwood,  
Massachusetts:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE**

I hereby certify that the foregoing is a true copy of a location order, and certificate of hearing with notice adopted by the Select Board of the Town of Westwood, Massachusetts, on the \_\_\_\_ day of \_\_\_\_\_, 2022 and recorded with the records of location orders of said Town, Book \_\_\_\_\_, Page \_\_\_\_\_. This certified copy is made under the provisions of Chapter 166 of the General Laws and any additions thereto or amendments thereof.

Attest:

\_\_\_\_\_  
Town Clerk

APPENDIX IV

APPLICATION AND POLE ATTACHMENT LICENSE

Licensee Cellco Partnership d/b/a Verizon Wireless  
Street Address One Verizon Way, Mail Stop 4AW100  
City, State and Zip Basking Ridge, NJ 07920  
Date 2/18/16

In accordance with the terms and conditions of the Pole Attachment Agreement, application is hereby made for a license to make 1 antenna, RRH/Cabinet and meter attachments to poles and 1 Power Supply(ies) on pole #27-65A located in the municipality of Westwood in the State of MA.

This request will be designated **Pole Attachment License Application Number** WestwoodSC08MA-390122. Attached are my power supply specifications if applicable. The cable's strand size is 0.5 and weight per foot of cable is 0.2.

Communication Space

Power / Supply Space

Licensee's Name (Print) Barbara Kassabian

Signature Barbara Kassabian

NSTAR d/b/a EVERSOURCE  
Power Company

Title Site Acquisition

Tel. No. 603-303-8001

Fax No. \_\_\_\_\_

E-mail bkassabian@trmcom.com

\*\*\*\*\*For licensor use, do not write below this line\*\*\*\*\*

Pole Attachment License Application Number \_\_\_\_\_ is hereby granted to make the attachments described in this application to 1 attachments to JO<sup>1</sup> poles, \_\_\_\_\_ attachments to FO<sup>2</sup> poles, \_\_\_\_\_ attachments to JU<sup>3</sup> poles, \_\_\_\_\_ Power Supplies and \_\_\_\_\_ other attachments located in the municipality of \_\_\_\_\_, in the State of \_\_\_\_\_ as indicated on the attached Form 3.

Licensor's Name (Print) Richard A. Comeau

Signature Richard A. Comeau

\_\_\_\_\_  
(AGREEMENT ID #)

Title Lead Engineer

Date 12/13/2021

Tel. No. \_\_\_\_\_

**The Licensee shall submit an original copy of this application to Verizon New England Inc. and NSTAR Electric Company d/b/a EVERSOURCE ENERGY.**

15 Chestnut Street, 4<sup>th</sup> Floor  
Worcester, MA 01609

Paula Foley  
Network Real Estate / Regulatory

RECEIVED

FEB 07 2022

TOWN OF WESTWOOD  
OFFICE OF SELECT BOARD

February 7, 2022

Town of Westwood  
Select Board  
Town Hall  
580 High Street  
Westwood, MA 02090

Re: Petition of Cellco Partnership d/b/a Verizon Wireless ("Verizon") for Pole Attachment of Small Cell Communications Equipment:  
**WESTWOOD\_SC15\_MA, 692 High Street, Pole # 13-104 (Pole on Gay Street)**

Dear Honorable Members of the Select Board:

Enclosed please find a Petition to the Honorable Westwood Select Board for permission to attach, maintain and operate small cell communications equipment on a utility pole located in the public right-of-way (the "Petition"). The proposed small cell equipment installation included with this petition is to be located on a utility pole near the property with an address of 692 High Street (Pole on Gay Street).

Verizon's radio frequency engineers targeted the proposed location due to the high traffic and data demands on Verizon's network in the area. Verizon's existing macro and small cell sites are not providing adequate data capacity in this location due to population, vehicular and foot traffic, multiple wireless devices being used simultaneously and other contributing factors. This small cell site will work to offload the demand of the macro sites and will allow for increased data capacity and speed within the vicinity of the proposed small cell location.

The small cell equipment will be installed using standard commercially acceptable methods in accordance with all applicable federal, state and local laws and regulations. The proposed attachment is to a utility pole owned by Eversource. Verizon has entered into a pole attachment agreement with Eversource and is licensed to attach its wireless facilities to the pole.

As shown on the attached detailed plans, the small cell installation on the utility pole will include fiber optic cables, an unobtrusive pole-top antenna measuring 35.4" in height and 14" in diameter; a remote radio head unit, conduits and cable protectors, and an electric meter with a shut-off switch. The attached plans show the proposed location, pole height, mounting height, equipment specifications and utility plan.

**verizon**<sup>✓</sup>

Without this installation, Verizon would be unable to provide specifically established coverage and capacity objectives. The utility pole is located within the limited geographic area where Verizon's radio frequency engineers determined that a wireless facility is required.

### **The Telecommunications Act of 1996**

The Telecommunications Act of 1996 (the "Act") imposes restrictions affecting the standard for granting the requested relief, specifically (1) no laws or actions by any local government or planning or zoning board may prohibit, or have the effect of prohibiting, the placement, construction, or modification of communications towers, antennas or other wireless facilities in any particular geographic area, see 47 USC § 332(c)(7)(B)(i); (2) local government or planning or zoning boards may not unreasonably discriminate among providers of functionally equivalent service, see 47 USC § 332(c)(7)(B)(i); (3) health concerns may not be considered so long as emissions comply with the applicable standards of the FCC, see 47 USC § 332(c)(7)(B)(iv); and (4) decisions must be rendered within a reasonable period of time, see 47 USC § 332(c)(7)(B)(ii). The presumptively reasonable period of time established by the FCC in this instance is 60 days from the submission of a complete Petition, see 47 CFR § 1.6003(c)(1)(i).

Accordingly, under Massachusetts General Laws Chapter 166, Sections 21, 22 and 25A, and the provisions of the Act noted above, Verizon respectfully requests that the Westwood Select Board issue a Grant of Location Order to install and operate fixtures as specified herein.

Verizon respectfully requests that the Petition be added to the Select Board agenda.

In accordance with the filing requirements, please find the following:

1. Petition for Pole Attachment;
2. Site Drawing;
3. Proposed Order; and
4. Pole Attachment License issued to Verizon from the pole owner, Eversource.



Verizon looks forward to presenting this Petition to the Westwood Select Board. Should you require any additional information, please don't hesitate to contact me. Thank you very much.

Very truly yours,

*Paula Foley*

Paula Foley  
Network Real Estate / Regulatory  
M: 508.269.0172  
[Paula.foley@verizonwireless.com](mailto:Paula.foley@verizonwireless.com)

cc: Nora W. Loughnane, Director  
Department of Community and Economic Development

## PETITION FOR SMALL CELL POLE ATTACHMENT

To the Select Board of the Town of Westwood, Massachusetts

Cellco Partnership d/b/a Verizon Wireless hereby provides a petition to this Honorable Board for the location of a small cell wireless antenna, and the necessary sustaining and protecting fixtures, on a utility pole in Westwood, Massachusetts, as more particularly shown on the plans included herewith.

### Pole Location

Pole Location: 692 High Street - Utility Pole Number: 13-104 (Pole on Gay Street)

Proposed Equipment: Antenna, Remote Radio Heads, AC/DC Converter, associated wires, cables, meter and fiber demark box on a replacement utility pole as shown on the attached Plans titled WESTWOOD\_SC15 MA prepared by Chappell Engineering Associates, LLC with a date of 2/3/22

Purpose: To address network coverage and capacity in the immediate area of the subject pole. Offload wireless traffic from macro sites and designed to increase throughput to customers in proximity to the pole.

Respectfully submitted,

PETITIONER:

Cellco Partnership d/b/a Verizon Wireless

*Paula Foley*

Paula Foley  
Network Real Estate / Regulatory  
15 Chestnut Street, 4<sup>th</sup> Floor  
Worcester, MA 01609  
M: 508.269.0172  
[Paula.foley@verizonwireless.com](mailto:Paula.foley@verizonwireless.com)



# verizon

20 ALEXANDER DRIVE, WALLINGFORD, CT 06492

PROJECT TYPE: SMALL CELL WIRELESS TELECOMMUNICATIONS  
INSTALLATION ON EXISTING WOOD UTILITY POLE

## SITE: WESTWOOD\_SC15\_MA

UTILITY POLE #13/104  
692 HIGH STREET (MA ROUTE 109), POLE ON GAY STREET  
WESTWOOD, MA 02090

PRESIDING POWER COMPANY  
**EVERSOURCE**

CLIENT:  
**verizon**  
"Because Better Matters"

ARCHITECT/ENGINEER:  
**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

SEAL:  
  
ENGINEER/LAND SURVEYOR \_\_\_\_\_ DATE \_\_\_\_\_

**DRAWING SCALE NOTE:**  
BASE DIMENSIONS AND DISTANCES IN LIGHT (NOT) DIMS IN THIS DRAWING SHALL BE IN FEET UNLESS OTHERWISE NOTED. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

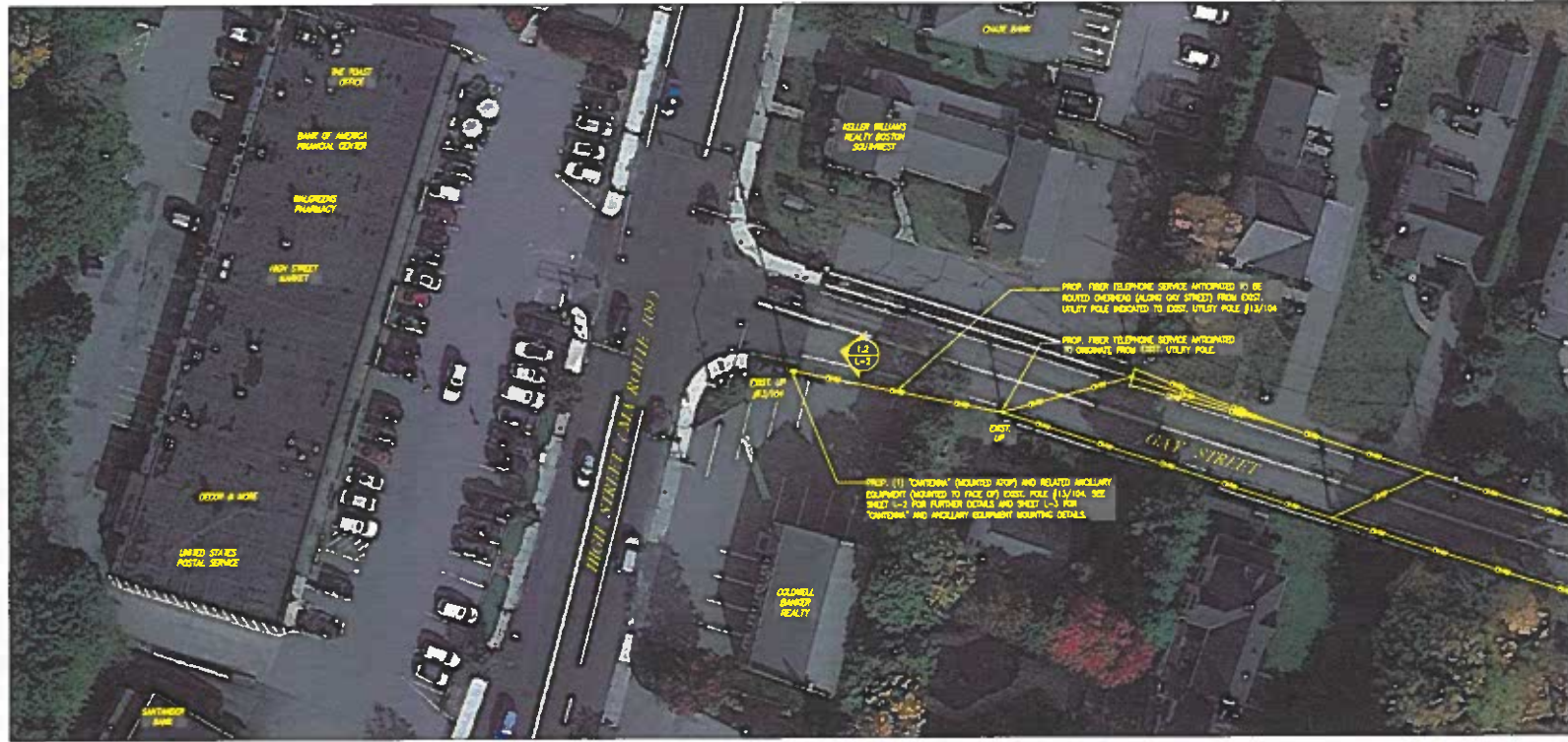
REVISIONS		
NO.	DESCRIPTION	DATE
0	ORINT LEASE EXHIBIT	8/15/18
0	LEASE EXHIBIT	6/9/17
1	REVISED LEASE EXHIBIT	9/28/17
2	PROJECT UPDATE	2/1/22
3	REVISED UTILITY POLE NUMBER	2/3/22

SITE NAME:  
**WESTWOOD\_SC15\_MA**  
UTILITY POLE #13/104  
692 HIGH STREET (MA ROUTE 109),  
POLE ON GAY STREET  
WESTWOOD, MA 02090

DRAWING TITLE:  
**LOCATION PLAN/  
AERIAL IMAGE**

DRAWING NO.:  
**L-1**

LEASE EXHIBIT NOT FOR CONSTRUCTION		
ROAD	DESIGNED BY: SEC	NEW WORKING CODE
1" = 50'	DESIGNED BY: SEC	409881
DATE PROJECT FILED:	DATE EX-105 FILED:	DATEING. ISSUE DATE:
1/80/2008	1/27/22	8/15/18



SITE CONTROL POINT:  
CENTER OF PRE-EXISTING UTILITY POLE #13/104  
N 42.224903' (42°-13'-29.66")  
W 71.222417' (71°-13'-20.70")  
APPROXIMATE GROUND ELEVATION = 234.1'± AMSL  
PER CDA 1A SURVEY

LOCATION PLAN/AERIAL IMAGE 1  
SCALE: 1" = 50'  
0 50' 100' 150'

SHEET INDEX		
DWG.	DESCRIPTION	REV.
L-1	LOCATION PLAN/AERIAL IMAGE	3
L-2	UTILITY POLE PHOTOGRAPH AND ELEVATION	3
L-3	ANTENNA & ANCILLARY EQUIPMENT ORIENTATION PLANS AND MOUNTING DETAILS	3
L-4	ANTENNA & ANCILLARY EQUIPMENT SPECIFICATIONS AND ONE LINE DIAGRAM	3

**GENERAL NOTES:**

1. THESE DRAWINGS ARE DIAGRAMMATIC BY NATURE AND ARE INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION, SIZE AND CREATION OF THE PROPOSED WIRELESS TELECOMMUNICATIONS EQUIPMENT INSTALLATION ON THE EXISTING UTILITY POLE, AND ARE NOT SPECIFICALLY INTENDED FOR CONSTRUCTION.
2. VERIZON WIRELESS SHALL PLACE WEATHER RESISTANT PNEUMATIC PLACARDS ON EXISTING UTILITY POLE AND AUXILIARY EQUIPMENT TO IDENTIFY EQUIPMENT OWNERSHIP & CONTACT INFORMATION TO BE UTILIZED IN THE CASE OF EMERGENCY.
3. AN ANALYSIS OF THE CAPACITY OF THE EXISTING UTILITY POLE TO SUPPORT THE PROPOSED LOADING HAS NOT BEEN COMPLETED BY CHAPPELL ENGINEERING ASSOCIATES, LLC. AND THUS, THESE DRAWINGS ARE SUBJECT TO CHANGE PENDING THE OUTCOME OF A STRUCTURAL ANALYSIS (TO BE PERFORMED BY OTHERS).
4. VERIZON WIRELESS' GENERAL CONTRACTOR SHALL EXTEND EFFORTS TO ENSURE THAT ALL PROPOSED EQUIPMENT MEETS THE REQUIREMENTS OF THE EXISTING UTILITY COMPANY OR COMPANIES CURRENTLY OCCUPYING THE EXISTING UTILITY POLE, THE 2012 NATIONAL ELECTRICAL SAFETY CODE AND ALL APPLICABLE LOCAL BUILDING CODE REQUIREMENTS.



**UTILITY POLE #1X PHOTOGRAPH (EXISTING CONDITIONS/SCHEMATIC RENDERING)**  
SCALE: 1/8" = 1'-0"

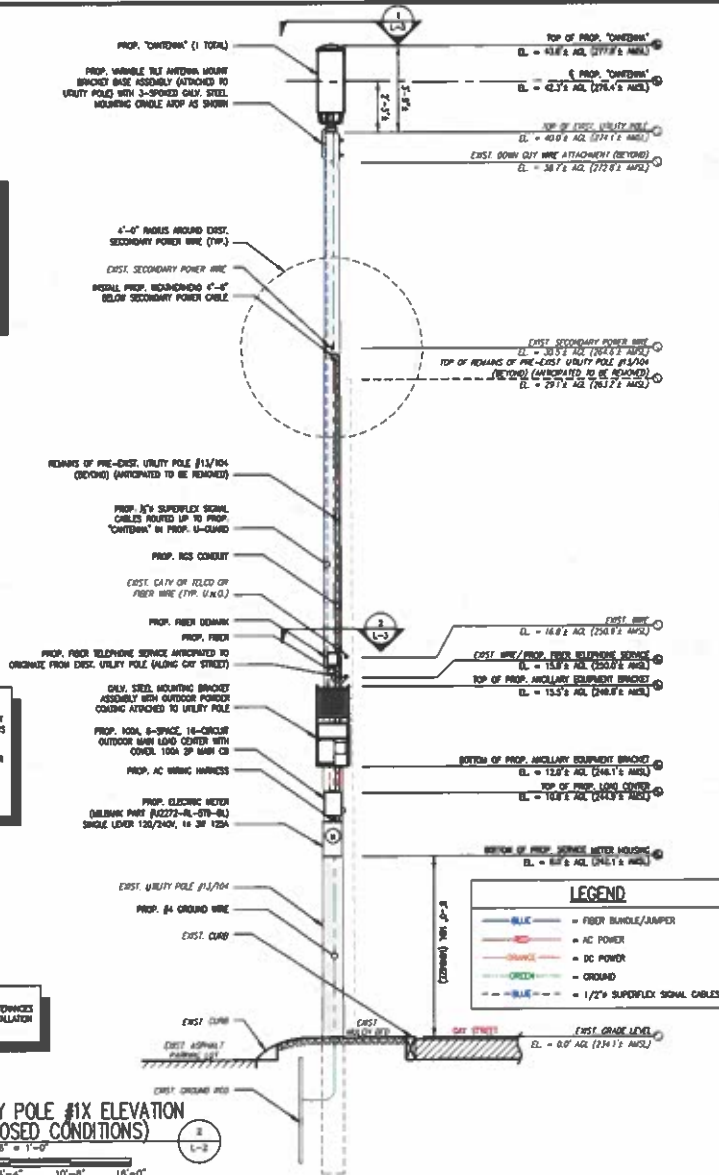
**EQUIPMENT AND MOUNTING BRACKET CONFORMANCE SHALL:**  
POSITION/REMOVE PROP. EQUIPMENT ASSEMBLY/BRACKET IN SUCH A MANNER AS TO NOT INTERFERE WITH EXIST. STREET LIGHTS, POWER POLES, OVERHEADS (IF PRESENT), BRACKETS, BRACES, SECONDARY POWER SUPPORTS OR ANY OTHER MISCELLANEOUS APPURTENANCES AND RELATED SUPPORT BRACKETS DISCONTINUED LOCATED ON THE EXIST. UTILITY POLE.

**EQUIPMENT AND MOUNTING BRACKET CONFORMANCE SHALL:**  
POSITION/REMOVE PROP. EQUIPMENT AND ASSOCIATED MOUNTING BRACKETS IN SUCH A MANNER AS TO NOT INTERFERE WITH EXIST. WIRING/FRAMES ETC. OR ANY OTHER MISCELLANEOUS APPURTENANCES AND RELATED SUPPORT BRACKETS DISCONTINUED LOCATED ON THE FACE OF THE EXIST. UTILITY POLE.

**NOTE:**  
UTILITY POLE, EXIST. APPURTENANCES AND DETAILS OF PROP. INSTALLATION SHOWN SCHEMATICALLY.

**UTILITY POLE #1X ELEVATION (PROPOSED CONDITIONS)**

SCALE: 3/16" = 1'-0"



**CLIENT:**  
**verizon**  
"Discover Better Networks"

**ARCHITECT/ENGINEER:**  
**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

**ENGINEER/LAND SURVEYOR** \_\_\_\_\_ **DATE** \_\_\_\_\_

**DRAWING SCALE NOTE:**  
THIS DRAWING HAS BEEN PREPARED IN LIGHT OF THE SCALE AS SHOWN. THE SCALE SHOULD BE SHOWN ON ANY REPRODUCTION OF A DRAWING. ALL DIMENSIONS SHALL BE SHOWN TO THE NEAREST 1/8". ALL DIMENSIONS SHALL BE SHOWN TO THE NEAREST 1/8". ALL DIMENSIONS SHALL BE SHOWN TO THE NEAREST 1/8".

**REVISIONS**

NO.	DESCRIPTION	DATE
1	DRAFT LEASE COBERT	9/15/18
2	LEASE COBERT	6/6/17
1	REVISED LEASE COBERT	9/28/17
2	PROJECT UPDATE	2/1/22
3	REVISED UTILITY POLE NUMBER	2/3/22

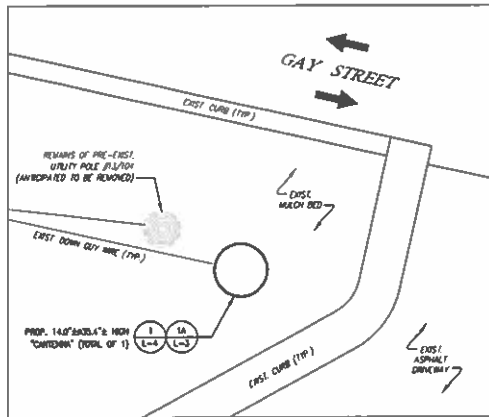
**SITE NAME:**  
**WESTWOOD\_SC15\_MA**  
UTILITY POLE #131/04  
682 HIGH STREET (MA ROUTE 109),  
POLE ON GAY STREET  
WESTWOOD, MA 02090

**DRAWING TITLE:**  
**UTILITY POLE PHOTOGRAPH AND ELEVATION**

**DRAWING NO.:**  
**L-2**

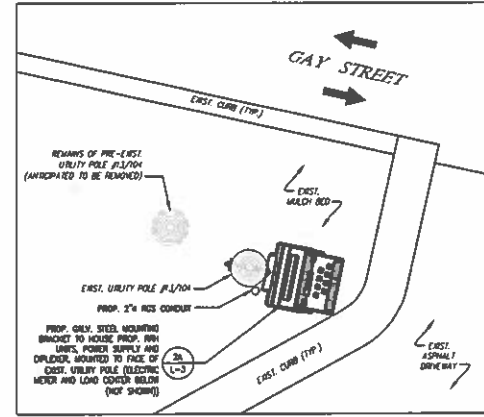
**LEASE COBERT NOT FOR CONSTRUCTION**

NO.	AS SHOWN	REVISION BY	DATE	NO.	NO.
1480.386	1/27/22	1/27/22	9/15/18		



ANTENNA ORIENTATION PLAN

SCALE: 3/8" = 1'-0"

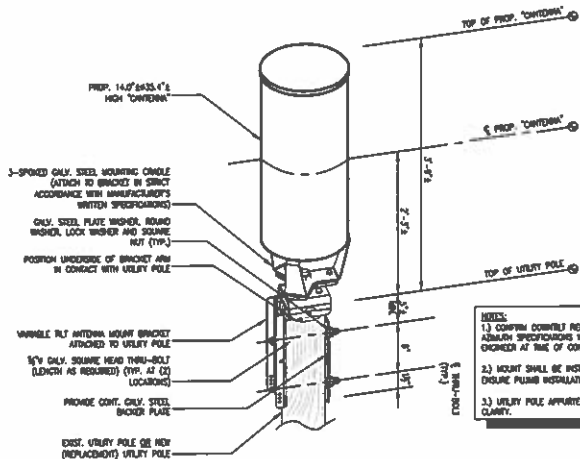


ANCILLARY EQUIPMENT ORIENTATION PLAN

SCALE: 3/8" = 1'-0"

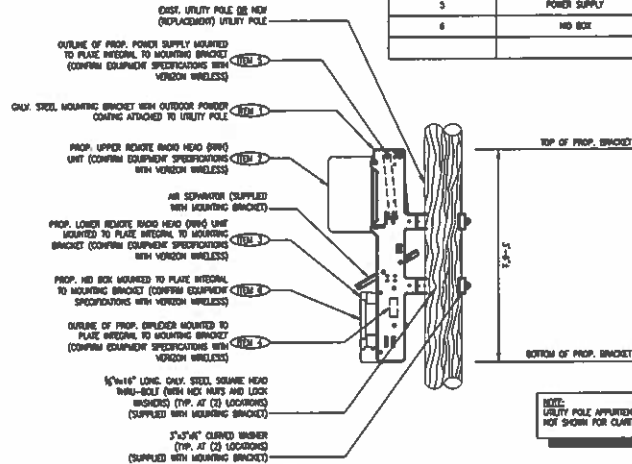


ITEM ID (SEE DETAIL)	DESCRIPTION	WEIGHT (lbs)
1	MOUNTING BRACKET	33.26
2	UPPER RHN UNIT	102.54
3	LOWER RHN UNIT	21.42
4	DUPLEXER	7.82
5	POWER SUPPLY	25.82
6	HD BOX	-
TOTAL = 180.86 lbs (EST 190 lbs)		



"CANTENNA" MOUNT DETAIL

SCALE: 1/2" = 1'-0"



ANCILLARY EQUIPMENT MOUNTING BRACKET MOUNT DETAIL

SCALE: 1/2" = 1'-0"



ARCHITECT/ENGINEER:  
**CHAPPELL ENGINEERING ASSOCIATES, LLC**  
 Civil-Structural-Land Surveying

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

SEAL:  
 ENGINEER/LAND SURVEYOR DATE

DRAWING SCALE NOTE:  
 THESE DRAWINGS HAVE BEEN PREPARED BY AN UNLICENSED PERSON OR FIRM. THE USER ASSUMES FULL RESPONSIBILITY FOR THE ACCURACY OF ALL INFORMATION AND THE USER RELEASES CHAPPELL ENGINEERING ASSOCIATES, LLC FROM LIABILITY FOR ANY ERRORS OR OMISSIONS. IF IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THIS DOCUMENT.

REVISIONS

NO.	DESCRIPTION	DATE
1	DRWT LEASE EXHIBIT	9/15/16
0	LEASE EXHIBIT	6/8/17
1	REVISED LEASE EXHIBIT	9/28/17
2	PROJECT UPDATE	2/1/22
3	REVISED UTILITY POLE NUMBER	2/3/22

SITE NAME:  
**WESTWOOD\_SC15\_MA**  
 UTILITY POLE #13/104  
 692 HIGH STREET (MA ROUTE 109),  
 POLE ON GAY STREET  
 WESTWOOD, MA 02080

DRAWING TITLE:  
**ANTENNA & ANCILLARY EQUIPMENT ORIENTATION PLANS AND MOUNTING DETAILS**

DRAWING NO.:  
**L-3**

LEASE EXHIBIT NOT FOR CONSTRUCTION

FIELD	REVISION BY DATE	NEW LICENSEE DATE
AS SHOWN	08/08/17	400401
DATE PROJECT BIDD	02/18/22 DATE	09/08/22 DATE
1480.388	1/27/22	9/15/16





SMALL CELL "ANTENNA"	
DIMENSIONS:	14.8" W x 35.4" H
WEIGHT:	35.0 LBS
QUANTITY:	TOTAL OF 1

TYPICAL "ANTENNA" SPECIFICATIONS  
SCALE: N.T.S.



REMOTE RADIO HEAD UNIT

DIMENSIONS:	17.5" H x 17.5" W x 11.5" D
WEIGHT:	102.5 LBS
QUANTITY:	TOTAL OF 1



REMOTE RADIO HEAD UNIT

DIMENSIONS:	13.0" H x 9.0" W x 4.0" D
WEIGHT:	21.4 LBS
QUANTITY:	TOTAL OF 1

TYPICAL REMOTE RADIO HEAD (RRH) UNIT DIMENSIONS  
SCALE: N.T.S.



DIPLEXER

DIMENSIONS:	4.8" H x 7.8" W x 3.3" D
WEIGHT:	7.8 LBS
QUANTITY:	TOTAL OF 1



NID BOX

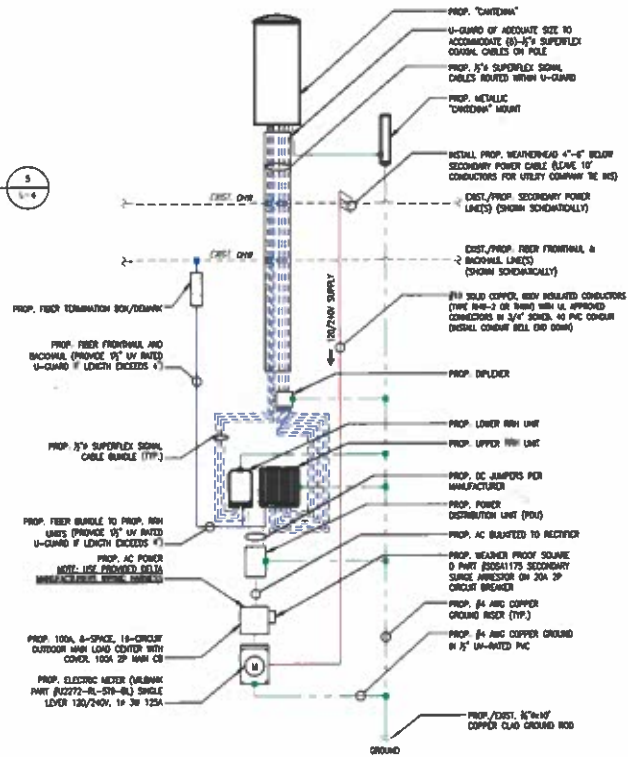
DIMENSIONS:	7.7" H x 7.7" W x 4.7" D
WEIGHT:	N/A
QUANTITY:	TOTAL OF 1

TYPICAL DIPLEXER DIMENSIONS  
SCALE: N.T.S.

TYPICAL NID BOX DIMENSIONS  
SCALE: N.T.S.

PANEL SCHEDULE	
14, 3Ø, 100A, 120/240V AC POWER TRANSFER LOAD CENTER BY NEMA 3R OUTDOOR ENCLOSURE	
NO.	DESCRIPTION
1	120V MAIN
2	120V MAIN
3	120V MAIN
4	120V MAIN
5	120V MAIN
6	120V MAIN
7	120V MAIN
8	120V MAIN
AMP	100 20 20 -- --

ELECTRICAL LOAD CENTER PANEL SCHEDULE  
SCALE: NOT APPLICABLE



ONE-LINE DIAGRAM NOTES:  
1) PROVIDE WEATHER TIGHT SEAL CONNECTIONS ON ALL CONNECTIONS EACH SIDE OF ENCLOSURE HOUSING.  
2) COORDINATE ANY FURTHER MISCELLANEOUS WIRING AND CONDUIT REQUIREMENTS WITH VERIZON WIRELESS AND ELECTRIC COMPANY.

LEGEND	
	FIBER BUNDLE/JUMPER
	AC POWER
	DC POWER
	GROUND
	1/2" SUPERFLEX SIGNAL CABLES

FIBER/ELECTRICAL ONE-LINE DIAGRAM  
SCALE: N.T.S.

**CLIENT:**  
**verizon**  
Verizon Wireless

**ARCHITECT/ENGINEER:**  
**CHAPPELL ENGINEERING ASSOCIATES, L.L.C.**  
Civil/Structural/Land Surveying

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

**SCALE:**

ENGINEER/LAND SURVEYOR \_\_\_\_\_ DATE \_\_\_\_\_

**DRAWING SCALE NOTE:**  
THIS DRAWING HAS BEEN PREPARED IN ACCORDANCE WITH THE SCALE SHOWN ON ANY INSTRUMENTS OF A SURVEY. THE SCALE SHOWN ON ANY INSTRUMENTS OF A SURVEY SHALL BE USED IN CONNECTION WITH THIS DRAWING. ALL ARE SCALES MAY BE USED PROVIDED THAT THE SCALE IS SHOWN ON THE INSTRUMENTS OF A SURVEY. IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

**REVISIONS**

NO.	DESCRIPTION	DATE
1	DRAWN LEASE EXHIBIT	8/15/16
2	LEASE EXHIBIT	6/7/17
1	REVISED LEASE EXHIBIT	9/28/17
2	PROJECT UPDATE	2/1/22
3	REVISED UTILITY POLE NUMBER	2/3/22

**SITE NAME:**  
**WESTWOOD\_SC15\_MA**  
UTILITY POLE #131014  
682 HIGH STREET (MA ROUTE 109),  
POLE ON GAY STREET  
WESTWOOD, MA 02090

**DRAWING TITLE:**  
**ANTENNA & ANCILLARY EQUIPMENT SPECIFICATIONS AND ONE LINE DIAGRAM**

**DRAWING NO.:**  
**L-4**

LEASE EXHIBIT NOT FOR CONSTRUCTION

SCALE	DESIGNED BY	CHKD BY	APP'D BY	DATE
AS SHOWN	BY MIC	BY MIC	BY MIC	4/28/11
CSA PROJECT NO.	CSA REV. NO.	DATE	DATE	DATE
1480.388	1/27/22	9/15/16		

WO 7277398  
APPENDIX IV

Form 1

APPLICATION AND POLE ATTACHMENT LICENSE

Licensee **VERIZON WIRELESS**  
Street Address **ONE VERIZON WAY, MAIL STOP 4AW100**  
City, State and Zip **BASKING, RIDGE NEW JERSEY 07920**  
Date 12/19/16

In accordance with the terms and conditions of the Pole Attachment Agreement, application is hereby made for a license to make 1 Antenna attachment(s) to pole#13/104 located in the municipality of Westwood in the State of MASSACHUSETTS.

This request will be designated Pole Attachment License Application Number WestwoodSC15MA-403681  
Attached are my power supply specifications if applicable. The cable's strand size is 0.5 and weight per foot of cable is 0.2.

Communication Space

Power / Supply Space

Licensee's Name (Print) **VERIZON WIRELESS**

By:  
Name **Barbara Kassabian**

Signature *Barbara Kassabian*

NSTAR d/b/a EVERSOURCE  
**Power Company**

Title **Site Acquisition**

Tel. No. **603-303-8001**

Fax No. \_\_\_\_\_

E-mail **bkassabian@trmcom.com**

\*\*\*\*\*For licensor use, do not write below this line\*\*\*\*\*

Pole Attachment License Application Number \_\_\_\_\_ is hereby granted to make the attachments described in this application to 1 attachments to JO<sup>1</sup> poles, \_\_\_\_\_ attachments to FO<sup>2</sup> poles, \_\_\_\_\_ attachments to JU<sup>3</sup> poles, \_\_\_\_\_ Power Supplies and \_\_\_\_\_ other attachments located in the municipality of \_\_\_\_\_, in the State of \_\_\_\_\_ as indicated on the attached Form 3.

Licensor's Name (Print) Richard A. Comeau

Signature *Richard A. Comeau*

(AGREEMENT ID #) Title Lead Engineer

Date 12/13/2021

Tel. No. \_\_\_\_\_

The Licensee shall submit an original copy of this application to Verizon New England Inc. and NSTAR Electric Company d/b/a EVERSOURCE ENERGY.

**ORDER FOR GRANT OF LOCATION**

**UNDER MGL c. 166, §§ 22 and 25A**

By the Select Board of the Town of Westwood, Massachusetts

Notice having been given and public hearing held, as provided by law,

**IT IS HEREBY ORDERED:**

That Cellco Partnership d/b/a Verizon Wireless (“Verizon”) be and is hereby granted a location for and permission to install and maintain telecommunications wires and wireless attachments and appurtenances, including fiber optic cable, remote nodes and pole-top antenna, to be attached to an existing Eversource / Verizon utility pole located in the Public Right of Way within the Town of Westwood, as substantially shown on the plans filed with said Petition for WESTWOOD\_SC15\_MA.

The foregoing permission is subject to the following conditions:

**See Plans filed with this order.**

There may be attached to said pole:

- Antenna;
- Remote Radio Head(s);
- Mounting Brackets;
- Overhead Wires;
- Conduit;
- Cable;
- Diplexer;
- Meter;
- Converter;
- Disconnect; and
- Each sustaining and protecting fixtures as it may find necessary.

I hereby certify that the foregoing was adopted at a meeting of the Select Board of the Town of Westwood, Massachusetts, held on the \_\_\_\_\_ day of \_\_\_\_\_, 2022.

---

Clerk of Select Board

We hereby certify that on \_\_\_\_\_, 2022, at \_\_\_\_\_ o'clock \_\_ M., at Westwood, Massachusetts, a public hearing was held on the petition of Cellco Partnership d/b/a Verizon Wireless for permission to install a small cell wireless antenna, and the necessary sustaining and protecting fixtures on utility pole #13-104 described in the order herewith recorded, and that we mailed written notice of the time and place of said hearing to each of the owners of real estate (as determined by the last preceding assessment for taxation) along the way or parts of ways upon which said Company is permitted to install a small cell wireless antenna, and the necessary sustaining and protecting fixtures on utility pole #13-104 under said order and that thereupon said order was duly adopted.

Select Board of the Town of Westwood,  
Massachusetts:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE**

I hereby certify that the foregoing is a true copy of a location order, and certificate of hearing with notice adopted by the Select Board of the Town of Westwood, Massachusetts, on the \_\_\_\_ day of \_\_\_\_\_, 2022 and recorded with the records of location orders of said Town, Book \_\_\_\_\_, Page \_\_\_\_\_. This certified copy is made under the provisions of Chapter 166 of the General Laws and any additions thereto or amendments thereof.

Attest:

\_\_\_\_\_  
Town Clerk



February 16, 2022

Town of Westwood  
580 High Street  
Westwood, MA 02090

RECEIVED

FEB 21 2022

TOWN OF WESTWOOD  
OFFICE OF SELECT BOARD

RE: Verizon Wireless Small Cell Sites

Dear Town of Westwood,

Verizon is proposing to install additional wireless telecommunications facilities in order to meet the growing demand for Verizon Wireless service by residents, businesses, visitors, and emergency responders.

To ensure general public safety, it is important that you contact Verizon Wireless personnel at least 24 hours in advance should general maintenance need to be performed in areas of potential concern as marked on the next page of this document. This is required to comply with FCC guidelines and ensure the environment is safe for general maintenance workers who may require RF Safety & Awareness training. With notification, Verizon Wireless is able to evaluate appropriate actions needed relating to the antennas and proximity of the work location.

Verizon has a process to deactivate power on small cells (regardless of whether the small cell is 4G or 5G) while work is being done on the pole (including joint use poles). The information needed to have a small cell powered down for work to occur on the pole (including contact numbers and pole identifiers) is provided at a safe distance from the small cell on the pole itself. Please contact Verizon Wireless personnel at least 24 hours in advance if you need to perform maintenance at that site. If you have any additional questions, our point of contact in that area is Luis Teves.

The Federal Communications Commission (FCC) has developed safety rules for human exposure to RF emissions in consultation with numerous other federal agencies, including the Environmental Protection Agency, the Food and Drug Administration, and the Occupational Safety and Health Administration. These rules can be found at 47 C.F.R § 1.1310. No matter which generation of technology we use, all Verizon equipment complies with these safety requirements.

The FCC supported and adopted the standards after examining the RF research that scientists in the US and around the world conducted for decades. The research continues to this day, and agencies continue to monitor it. Based on that research, federal agencies have concluded that equipment that has been deployed in a manner that complies with the safety standards poses no known health risks. You can obtain further information about the safety of RF emissions from cell equipment on the FCC's website, which you can access via this link: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html>.

We appreciate the chance to explain our activities regarding the proposed wireless facilities at issue. Questions related to compliance with federal regulations should be directed to [VZWRFCCompliance@verizonwireless.com](mailto:VZWRFCCompliance@verizonwireless.com). Please contact your local Verizon Wireless resource below if you have any additional RF questions.

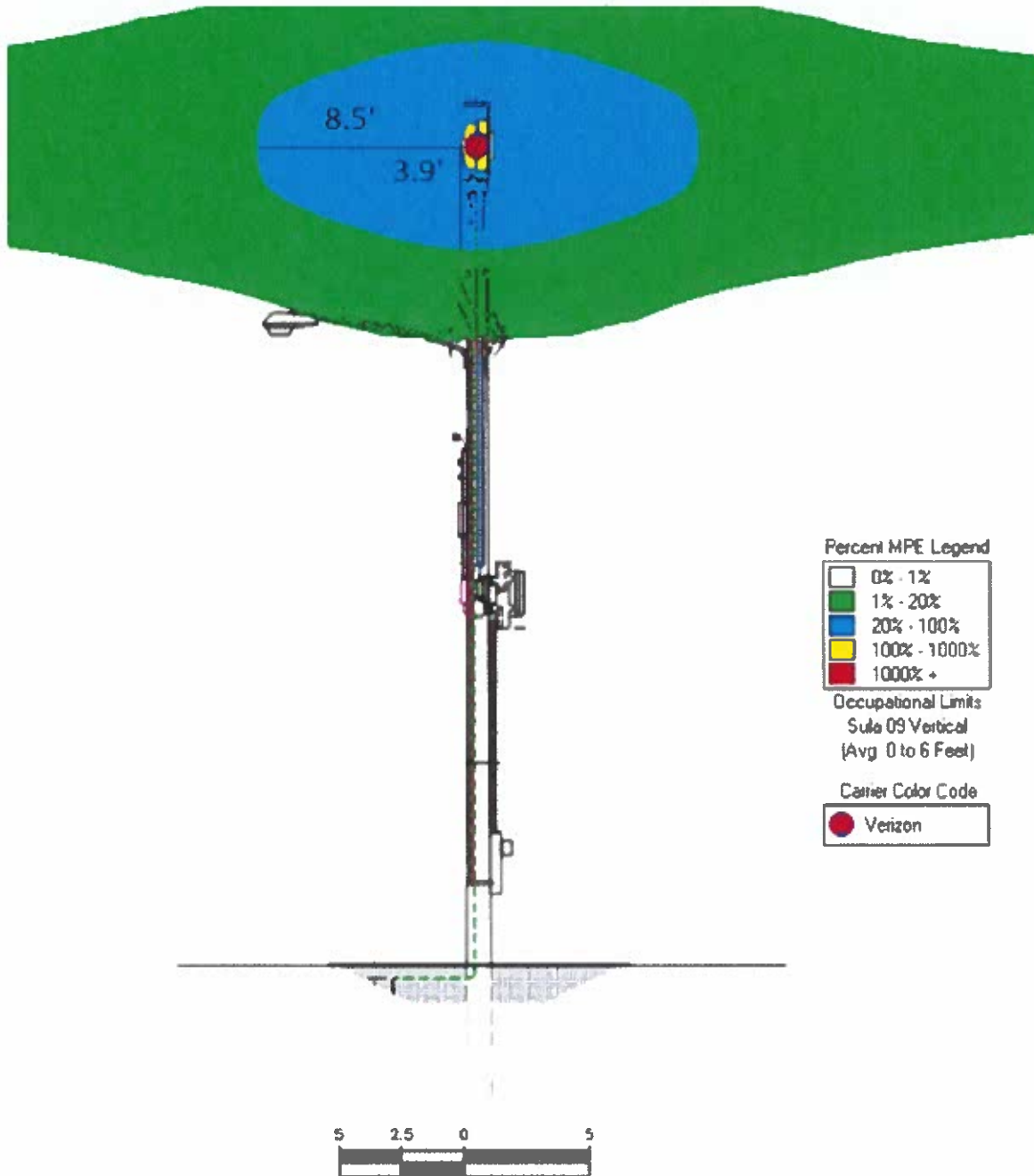
Contact Name	Contact Email	Contact Phone
Luis Teves	<a href="mailto:Luis.Teves@VerizonWireless.com">Luis.Teves@VerizonWireless.com</a>	508-479-3197

Sincerely,  
Rabeya Ahmad  
Manager - RF Design  
Verizon Wireless



## Verizon Wireless (VZW) Radiofrequency (RF) Emissions Map

The following site layout represents a current snapshot in time of the predicted Verizon Wireless RF emissions from transmitting antennas on these facilities. Contact Verizon Wireless should maintenance need to be performed in any non-green areas.



Color	% Occupational MPE	Instructions
Green	0 to 20	Safe In Relation to VZW. Contact Other Carriers Before Entering This Area
Blue	20 to 100	
Yellow	Greater Than 100	
Red	Greater Than 1000	

The Verizon logo, consisting of the word "verizon" in a white, lowercase, sans-serif font, followed by a red checkmark symbol. The background of the entire page is a photograph of a city rooftop with several communication towers and antennas, with a tall apartment building in the background under a hazy sky.

verizon<sup>v</sup>

# RADIOFREQUENCY EMISSIONS

---

SAFETY & AWARENESS  
REFERENCE GUIDE

*This handout is not intended to replace the FCC/OSHA mandated occupational requirement for RF Safety & Awareness Training*

## FEDERAL COMPLIANCE REQUIREMENTS

The Federal Communications Commission (FCC) has established safety guidelines relating to RF exposure from cell sites. The FCC developed those standards, known as Maximum Permissible Exposure (MPE) limits, in consultation with numerous other federal agencies, including the Environmental Protection Agency, the Food and Drug Administration, and the Occupational Safety and Health Administration.

The standards were developed by expert scientists and engineers after extensive reviews of the scientific literature related to RF biological effects. The FCC explains that its standards incorporate prudent margins of safety.

### CLASSIFICATIONS FOR EXPOSURE LIMITS

#### OCCUPATIONAL

Persons are "exposed as a consequence of their employment" and are "fully aware of the potential for exposure and can exercise control over their exposure".

#### GENERAL POPULATION

Any persons that "may not be made fully aware of the potential for exposure or cannot exercise control over their exposure".

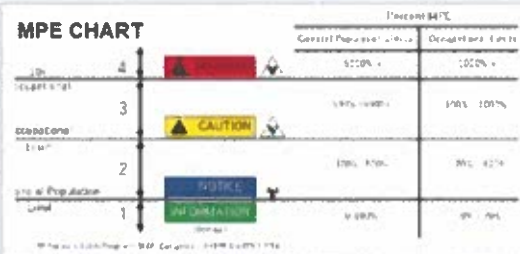
*Those in this category do not require RF Safety & Awareness Training*

### ENSURING COMPLIANCE WITH FCC GUIDELINES

Areas or portions of any transmitter site may be susceptible to high power densities that could cause personnel exposures in excess of the FCC guidelines. Wireless Licensees are required by law to implement the following:

- Restrict access
- Post notification signage on every access point to increase awareness of the potential for exposure BEFORE one enters an area with antennas.
- Place additional notification signage and visual indicators in an area with antennas (beyond an access point) where RF exposure levels may start to exceed the FCC's limits.

#### MPE CHART



## EXPOSURE MANAGEMENT

- Assume that all antennas are active
- Obey all posted signs
- Do not stop in front of any antenna
- Recognize the type of antenna and approach at the safest angle
- Contact wireless operator to coordinate access if required
- Signage will indicate where potential RF conditions exist
- Understand pathways of safe egress
- If needed and possible wear personal protection equipment
- When using a personal monitor, remember the time averaging limits and monitor alarm thresholds if working in front of antennas
- If experiencing symptoms of heat exhaustion or nausea, remove yourself from the worksite and seek medical attention
- Power density decreases with distance so maintain distance between you and the antennas. The greater the distance you are from an antenna the bigger the reduction of RF exposure you will receive

## PROPERTY OWNER RESPONSIBILITIES (M.E.N.U.)

RF exposure safety and the protection of every licensee's infrastructure are very important. Property owners and licensees have a shared responsibility in maintaining a safe and secure RF environment. Property owners can help in this significant endeavor by:

- **M**aintaining all necessary wireless licensee contact information.
- **E**nforcing restricted access (help maintain a Controlled Environment). Ensuring all building/maintenance personnel are trained in RF Safety, aware that the potential for exposure exists, and follow all appropriate entry and safety procedures.
- **N**otifying all licensees when any non-carrier requests access to any area with antennas at least 24 hours in advance.
- **U**nderstanding that compliance with the FCC and OSHA can be achieved with RF Exposure levels above the applicable limit if the proper signage, physical/indicative barrier, and access restrictions are implemented. Commitment to compliance and willingness to cooperate are essential.

## NOTIFICATION SIGNS

### NOTICE



A blue Notice sign is posted when levels (beyond posted signage) may exceed General Population MPE limits.

### CAUTION



A yellow Caution sign is posted when levels (beyond posted signage) may exceed Occupational MPE limits.

### WARNING



A orange Warning sign is posted when levels (beyond posted signage) exceed 10 times the Occupational MPE limits.

## TYPES OF ANTENNAS

### MICROWAVE ANTENNA

- Highly directional antenna model used for point to point communications
- Approach from the rear and sides. Do not stand or walk in front of microwaves as they transmit at a high frequency.



### PANEL ANTENNA

- Range from 1 to 8 feet in length
- Sied mounted or to a support structure on site (Rooftop)
- Approach these antennas from the rear.



### OMNI ANTENNA

- Omni antennas have the appearance of a rod-shaped pole and radiate in a 360° pattern around the pole.
- At the antenna level, there is no approach angle that is safer than another. Typically, emissions directly below the antenna are less than in front of the antenna.



### QUASI-OMNI ANTENNA

- Quasi-Omni antennas have the appearance of a cylinder and contain emitters that radiate in a 360° pattern around the pole.
- At the antenna level, there is no approach angle that is safer than another. Typically, emissions directly below the antenna are less than in front of the antenna.



### YAGI ANTENNA

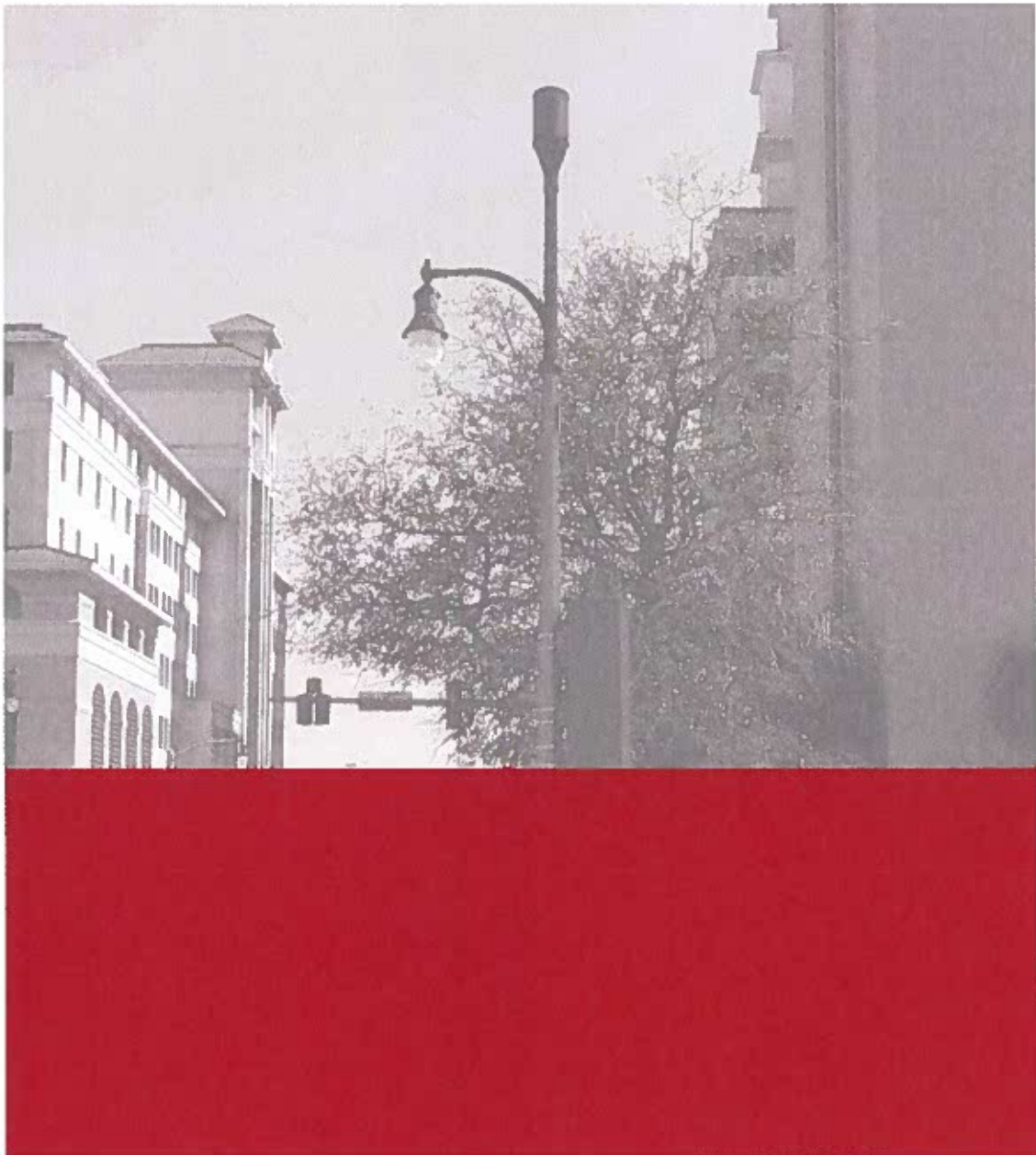
- Directional antenna model
- Approach from sides and rear.



## RF SAFETY TRAINING CONTACTS

WATERFORD CONSULTANTS ..... [www.waterfordconsultants.com](http://www.waterfordconsultants.com)  
 EBI ..... [www.ebiconsulting.com](http://www.ebiconsulting.com)  
 SITESAFE ..... [www.sitesafe.com](http://www.sitesafe.com)  
 DTECH COMMUNICATIONS ..... [www.dtech.com](http://www.dtech.com)





**CONTACT US**

Email: [VZWRFCompliance@vzw.com](mailto:VZWRFCompliance@vzw.com)  
Subject: "ATTN:RF Compliance"

For Emergency Maintenance:  
1-800-264-6620

**verizon**<sup>v</sup>





**AFFIDAVIT OF RADIO FREQUENCY ENGINEER**

The undersigned, in support of the application to install two small wireless communications facilities (SWFs) each consisting of one antenna and associated radio equipment on existing utility poles located in the Town of Westwood, Massachusetts, states the following:

1. My name is Thejasree Vemulapalli. I have a Bachelor of Engineering, Electrical & Electronics Engineering degree from the Velagapudi Ramakrishna Siddhartha Engineering College and a Master of Science, Computer Networking degree from the New Jersey Institute of Technology. I have been employed as a Radio Frequency (RF) Design Engineer for thirteen (13) years, the last two and a half years with Verizon Wireless. I am responsible for network design in the area of Massachusetts that includes the Town of Westwood, MA.
2. Verizon Wireless is a federally licensed provider of wireless communications services with a national footprint.
3. The proposed small wireless facilities are within areas where Verizon Wireless has identified a need to install additional facilities in order to provide reliable wireless service for customers and emergency responders and access to new technologies. The search areas for each proposed facility was determined with reference to Verizon’s existing network serving the Westwood area and by identifying those areas in need of improved service. Furthermore, it was determined that the areas served by the facility would interact well with those of existing and proposed facilities in the surrounding areas.

The following table provides details of the proposed sites:

Site Name	Street Address	Pole #
WESTWOOD_SC08_MA	578 Pond Street	27/65A
WESTWOOD_SC15_MA	692 High Street (Pole on Gay Street)	13/104

4. Small cell deployments are intended to complement, not replace, macro (i.e., towers) network sites, and are typically target areas of heavy network usage (a.k.a “hotspots”). In doing so, small cells serve to offload the demand on the existing sites serving these hotspots. This not only improves service to the targeted area, but also improves overall system performance elsewhere in the network. In addition, small cells allow for Verizon’s deployment of new technologies that will further enhance the network experience and reliability, including faster download time and lower latency.

FEB 21 2022

TOWN OF WESTWOOD  
OFFICE OF SELECT BOARD

5. Pursuant to its Federal Communications Commission (FCC) licenses, Verizon Wireless is required to ensure that all radio equipment operating at the proposed communications facilities and the resulting radio frequency exposure levels are compliant with FCC requirements as well as federal and state health and safety standards.
  
6. Providing wireless communications services is a benefit to the residents of the Town of Westwood, as well as to mobile customers traveling through the area. The proposed facility reflects the location and design required to meet Verizon Wireless' network objectives with respect to capacity and coverage enhancement and deployment of new technologies. Without the proposed facility, Verizon Wireless will be unable to provide reliable wireless communication services in this area of Westwood; therefore, Verizon Wireless respectfully requests that the Town of Westwood act favorably upon the proposed facilities.

Signed and sworn under the pains and penalties of perjury this 21st day of February, 2022.

*Thejasree Vemulapalli*

---

Thejasree Vemulapalli  
Senior RF Design Engineer  
Verizon Wireless  
900 Chelmsford Street  
Lowell, MA 01851