

Nicole Murati Ferrer  
Chairperson

Stephen Lenkauskas  
City Electrician

Terrence James Shea  
Superintendent of Streets

# CITY OF CAMBRIDGE

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## POLE AND CONDUIT COMMISSION

831 Massachusetts Avenue, Cambridge, Massachusetts 02139



Elizabeth Y. Lint  
Executive Director of  
License Commission

### Meeting Minutes

For the Pole and Conduit Commission Meeting of  
Thursday, October 31, 2019 at 10:00 A.M.  
Michael J. Lombardi Building, 831 Massachusetts Avenue  
Carmelia M. Vicente Conference Room – Basement Level  
Cambridge, Massachusetts

Meeting started at 10:06 AM

**Commission Board Members (all present):** Nicole Murati Ferrer, Stephen Lenkauskas and T.J. Shea

**Commission Staff Member Present:** Elizabeth Y. Lint.

### Administrative Matters

1. Revised (10/29/19) City of Cambridge Pole and Conduit Commission's Policy Regarding Small Cell Wireless Installations on Public Ways, attachments thereto. Also includes a discussion of the License Agreement with the City of Cambridge. See Attached. [Time Stamp: 00:35]

**Summary:** General matter- the agenda was posted but was amended. The change was removal of abutter notification from the policy as well as 2(b), the request for the applicant to provide who the customer is that the request is being made from. The license agreement was posted, but there is nothing to approve. In terms of the height, there has been clarification. The height of the pole is not to exceed 10%, including the antenna. It is the total installation. Notification to abutters will not be posted at this time. It has been forwarded to the city solicitor for review. The recommendation is that notice be sent to the condo board if there are more than 20 condos.

**Decision:** Board voted to approve this as the small cell policy, replacing the one currently in place.

2. Meeting Minutes for September 19, 2019 and October 17, 2019.

**Decision:** Both approved, 3-0

### Public Testimony Matters

*Matters may have been called out of the order in which they were listed on the posted agenda. The Board first hears all matters where members of the public wish to be heard and the representatives from the utilities are present.*

**Documents considered by the Board:** As to all applications, the Board considered the application submitted to the Board and all documents attached thereto.

**Decisions:** Unless stated otherwise, all votes were 3-0. In addition, some petitions were granted with "typical conditions." Those conditions are:

- 1) Must obtain Electrical Department Utility Permit and Department of Public Works ("DPW") Permits and comply with the provisions therein.
- 2) Must pay sidewalk preservation off-set fee.
- 3) Must coordinate site visit with DPW.
- 4) Must commence work within sixty (60) days of the grant and complete within six (6) months of the date of the approval.
- 5) Must comply with any amendment City agencies make to the issued permits after the Acceptance Without Reservations is filed.

Petitions 3 and 40 were heard together as they are interrelated.

3. **Continuation from September 19, 2019, to figure out whether Nstar/Eversource is also going underground.** (55617) Comcast, 426 E. First Street, Boston, MA 02127, for the following: 90 Jackson Street - From Pole #394/15 on Jackson Street, trench westerly 51' +/- in the public way. Installing 1-2" PVC conduit to the property line of 90 Jackson Street. This will include the removal and replacement of 1 sidewalk panel. [Time Stamp: 07:38]

40. **New Petition** (VP 58697) Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: 90 Jackson Street - Southwesterly from Pole 394/15 approximately 120 feet north of Dudley Street, install approximately 53 feet conduit.

**Present:** Anthony Vatalaro, Comcast and Joanne Callender, Eversource.

**Documents Considered:** Applications and documents attached thereto.

**Summary:** Comcast and Eversource will be sharing the trench going to the pole. The City Arborist has requested that they trench 8' away from the tree.

**Decision:** Both approved with all typical conditions and the condition that the trench is 8' from the tree and coordination with the site developer.

4. **New Petition** (58608) Comcast, 426 E. First Street, Boston, MA 02127, for the following: 15 Lambert Street - From newly place Pole #3 on Lambert Street, trench westerly +/- 28' installing 1-4" PVC conduit to the property line of 15 Lambert Street. [Time Stamp: 11:00]

**Present:** Anthony Vatalaro, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** This is for the relocation of the pole that is currently in front of the building entrance.

**Decision:** Granted with all typical conditions and the requirements that there is 6" of binder.

5. New Petition (58607) Comcast, 426 E. First Street, Boston, MA 02127, for the following: 50 Rogers Street - Place one new manhole over existing Comcast conduit. From new MH, trench southerly +/- 40' to the PP line of 50 Rogers Street. Installing 1-4" PVC conduit. **[Time Stamp: 12:10]**

**Present:** Anthony Vatalaro, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** This petition is for the building that is currently being constructed. There is an existing manhole but requires additional trenching and an additional structure. This is the entry point in to the building.

**Decision:** Approved, with the modification to trench to the exiting manhole, a 4" conduit for the city and all typical conditions. A revised drawing will be submitted.

6. New Petition (58610) Comcast, 426 E. First Street, Boston, MA 02127, for the following: 400 Main Street - Place new Comcast manhole over existing conduit on Carlton Street to access conduit. From newly placed MH, trench westerly +/-29' installing 1-4" PVC conduit to the property line of 400 Main Street. This will include the removal and replacement of one sidewalk panel. **[Time Stamp: 11:45]**

**Present:** Anthony Vatalaro, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** The project installed new conduits for them to replace the pole line. This came in after the fact or it would have been coordinated. It falls in between two manholes. It is too far to trench to an existing. They could potentially intercept a conduit but would have to install a sidewalk vault.

**Decision:** Continued for a site meeting to take place.

7. New Petition (58611) Comcast, 426 E. First Street, Boston, MA 02127, for the following: 54 Market Street - From pole 466/23, trench southerly +/-31 to the property line of 54 Market Street. Installing 1-4" PVC conduit. This will include the removal and replacement of one sidewalk panel. **[Time Stamp: 16:30]**

**Present:** Anthony Vatalaro, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** A 2" conduit is to be installed for the city.

**Decision:** Approved with all typical conditions and a 2" conduit for the city.

8. New Petition (58105) Crown Castle NG East LLC, 1800 West Park Drive, Floor 2, Westborough, MA 01581, for the following: 231 Third Street - Trench and install (1) 4" conduit 12' +/- northwesterly in the sidewalk from utility Pole #667/35-5 to existing Crown Castle manhole. This will require the removal and replacement of 1 sidewalk panel. [Time Stamp: 17:30]

**Present:** Mark Bonnano, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** These are Crown Castle manholes on private property. This is to bring the cables that are there now in to the building. If they touch the driveway, they have to make it compliant. They need licensing for the pole, which is pending. This is being expedited as they have to move service out of the building.

**Decision:** Granted with all typical conditions, licensing agreement and if they touch the driveway, making it compliant.

9. New Petition (58103) Crown Castle NG East LLC, 1800 West Park Drive, Floor 2, Westborough, MA 01581, for the following: Charles Street (from Sciarappa Street to Lopez Avenue) - To install 619' +/- of fiber optic cable from Utility Pole #130/23a on Charles Street at Sciarappa Street easterly to Utility Pole #130/15. The purpose of the install is to provide service to the building at 58 Charles Street. [Time Stamp: 20:15]

**Present:** Bob Walls, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** They are looking to place cable in the private property to the building at 58 Charles. They are digging on private property. There will not be any excavation on the public way.

**Decision:** Granted subject to obtaining a utility permit.

***Petitions 10 through 15 were tolled.***

10. Continuation from September 20, 2018. Tolling agreement made. (57484) Crown Castle NG East LLC, 1800 West Park Drive, Floor 2, Westborough, MA 01581, for the following: 69 Dunster Street – This Eligible Facilities Request involves an effort to collocate Transmission Equipment at an existing Base Station within a public right of way 69 Dunster Street. Pursuant to this Eligible Facilities Request Crown

Castle proposes to replace the existing shroud with a new 70"H x 20"W x 18"D shroud, and the existing 48" x 8.16" Ø antenna with a new 48" x 18" Ø antenna. [Time Stamp: 22:15]

**Present:** Mike Buccini, Amanda Cornwall and Joe Shannon, on behalf of the petitioner.

**Documents Considered:** Applications and documents attached thereto; small cell policy.

**Summary:** It was explained that there is a new application for small cell applications specifically. Mr. Shannon stated that the antenna is compliant, but the shroud is not. The shrouds are 40" but the policy requirement is 36". Crown Castle will find out whether they can be reduced to 36". There are no fans in the shrouds. The size difference is minimal and perhaps this should be considered for a waiver. The Commission has to determine if this is something that can be subject to waiver. Mr. Shannon feels that volumetric would be a better way as it gives them more "wiggle room."

**Decision:** This petition is denied as moot as it is on Harvard property and they are taking ownership of it. As to the others, Crown Castle entered in to another tolling agreement for all of these petitions. The Commission will seek an opinion from the City Solicitor regarding the waiver clause.

11. Continuation from May 16, 2019, to review attachment size. Tolling agreement made. (VP 45834) Crown Castle NG East LLC, 1800 West Park Drive, Floor 2, Westborough, MA 01581, for the following: Spring Street and Second Street - Proposing to attach small cell site equipment to existing 35'5" wood utility pole (Pole #16) on the NE corner of Spring Street and Second Street (nearest address 9 Spring Street). Fiber optic cable will feed aerial via overlashing to currently licensed poles on Spring Street.

12. Continuation from May 16, 2019, to review attachment size. Tolling agreement signed. (VP 45830) Crown Castle NG East LLC, 1800 West Park Drive, Floor 2, Westborough, MA 01581, for the following: 78 Spring Street - Proposing to attach small cell site equipment to existing 29'1" utility pole (Pole #645/18) in front of 78 Spring Street. Fiber will be fed aerial via overlashing to currently licensed poles on Spring Street.

13. Continuation from May 16, 2019, to review attachment size. Tolling agreement signed. (VP 45816) Crown Castle NG East LLC, 1800 West Park Drive, Floor 2, Westborough, MA 01581, for the following: Gore Street and Lambert Street - Proposing to attach small cell site equipment to existing 26'8" wood utility pole (Pole #30) at NW corner intersection of Gore Street and Lambert Street. Fiber optic cable will feed aerial via overlashing to currently licensed poles on Gore Street.

14. Continuation from May 16, 2019, to review attachment size. Tolling agreement signed. (VP 45824) Crown Castle NG East LLC, 1800 West Park Drive, Floor 2, Westborough, MA 01581, for the following: Jay Street - Proposing to attach small cell site equipment to existing 28'2" wood utility pole (Pole #22) in front of 71 Jay Street. Fiber optic cable will feed aerial via overlashing to currently licensed poles on Bay Street and Kinnard Street. GOL to include 4 poles on Kinnard Street and 1 pole on Jay Street.

15. Continuation from May 16, 2019, to review attachment size. Tolling agreement signed. (VP 45808) Crown Castle NG East LLC, 1800 West Park Drive, Floor 2, Westborough, MA 01581, for the following: Columbia Street - Proposing to attach small cell site equipment to existing 33'8" wood utility pole(P.NT) in front of 266 Columbia Street. Fiber optic cable will feed aerial via overlash on two currently licensed poles on Market Street, north on Columbia Street on Pole #20, to cell site on Pole NT. GOL to include the two poles on Columbia Street.

The Chair explained that there will be a question on the new application regarding 6409 applications. These will be considered administratively. The Chair then left the meeting at 10:30.

***Petitions 16 through 36 have been tolled.***

16. Continuation from September 19, 2019. Tolling agreement made. (53794) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 69 First Street - To install a small cell wireless facility on a replacement single pendant style light pole of approximately the same height, utilizing a steel "look-alike" pole painted to match the existing pole. The principal elements of the proposed facility are an omni-directional "whip" style antenna mounted at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains the appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors. [Time Stamp: 32:10]

**Present:** Haran Rashes, on behalf of the petitioner.

**Summary:** Mr. Rashes stated that petitions 16 through 36 were previously tolled and hearings would be in approximately 90 days. There were another 11 that he wanted tolled, but they were not before the Commission, so no action was taken on them. He submitted the tolling agreements for consideration. He wants them tolled so as not to have to notice abutters, have them show up to speak, and then toll them.

**Decision:** Petitions already tolled; no action taken.

17. Continuation from September 19, 2019. Tolling agreement made. (53817) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 75 Amherst Street - To install a small cell wireless facility on a replacement single pendant style light pole of approximately the same height, utilizing a steel "look-alike" pole painted to match the existing pole. The principal elements of the proposed facility are an omni-directional "whip" style antenna mounted at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains the appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

18. Continuation from September 19, 2019. Tolling agreement made. (53880) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 84 Massachusetts Avenue - To

install a small cell wireless facility on a replacement single pendant style light pole of approximately the same height, utilizing a steel "look-alike" pole painted to match the existing pole. The principal elements of the proposed facility are an omni-directional "whip" style antenna mounted at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains the appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

19. Continuation from September 19, 2019. Tolling agreement made. (53891) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 120 Broadway - To install a small cell wireless facility on a replacement cobra style light pole of approximately the same height, utilizing a steel "look-alike" pole to match the existing steel pole. The principal elements of the proposed facility are an antenna housed in a shroud at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

20. Continuation from September 19, 2019. Tolling agreement made. (53900) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 8 Rockingham Street - To install a small cell wireless facility on an existing wood utility pole. The principal elements of the proposed facility are an antenna housed in a shroud at the top of the pole and three radios in a shroud also mounted on the pole. See the plans accompanying this application for details. This proposal improves wireless capacity for residents, businesses and visitors.

21. Continuation from September 19, 2019. Tolling agreement made. (55425) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 60 Vassar Street - To install a small cell wireless facility on a replacement "satellite" style light pole approximately 19' in height, utilizing a steel "look-alike" pole to match the existing pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole and three radios in a shroud also mounted to the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

22. Continuation from September 19, 2019. Tolling agreement made. (55428) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 42 Quincy Street - To install a small cell wireless facility on a replacement cobra style light pole of approximately the same height, utilizing a steel "look alike" pole to match the existing steel pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

23. Continuation from September 19, 2019. Tolling agreement made. (55466) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 190 Harvard Street - To install a small cell wireless facility on a replacement cobra style light pole of approximately the same height, utilizing a steel "look-alike" pole to match the existing steel pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

24. Continuation from September 19, 2019. Tolling agreement made. (55486) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 266 Massachusetts Avenue- To install a small cell wireless facility on a replacement single pendant style light pole of approximately the same height, utilizing a steel "look-alike" pole painted to match the existing pole. The principal elements of the proposed facility are an omni-directional "whip" style antenna mounted at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains the appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

25. Continuation from September 19, 2019. Tolling agreement made. (55489) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 276 Windsor Street- To install a small cell wireless facility on an existing wood utility pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud side-mounted on the pole and three radios in a shroud also mounted on the pole. See the plans accompanying this application for details. This proposal improves wireless capacity for residents, businesses and visitors.

26. Continuation from September 19, 2019. Tolling agreement made. (55492) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 247 Main Street - To install a small cell wireless facility on a replacement single pendant style light pole of approximately the same height, utilizing a steel "look-alike" pole painted to match the existing pole. The principal elements of the proposed facility are a whip-style antenna mounted at the top of the pole and three radios also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains the appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

27. Continuation from September 19, 2019. Tolling agreement made. (55510) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 295 Broadway - To install a small cell wireless facility on a replacement cobra style light pole of approximately the same height, utilizing a steel "look-alike" pole to match the existing steel pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole and three radios in a shroud also



mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

28. Continuation from September 19, 2019. Tolling agreement made. (55515) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 449 Cambridge Street - To install a small cell wireless facility on a replacement single pendant style light pole of approximately the same height, utilizing a steel "look-alike" pole painted to match the existing pole. The principal elements of the proposed facility are a "whip" style antenna mounted at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains the appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

29. Continuation from September 19, 2019. Tolling agreement made. (55530) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 784 Main Street - To install a small cell wireless facility on a replacement cobra style light pole of approximately the same height, utilizing a steel "look-alike" pole to match the existing steel pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains the appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

30. Continuation from September 19, 2019. Tolling agreement made. (55531) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 918 Cambridge Street - To install a small cell wireless facility on a replacement single pendant style light pole of approximately the same height, utilizing a steel "look-alike" pole painted to match the existing pole. The principal elements of the proposed facility are a "whip" style antenna mounted at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains the appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

31. Continuation from September 19, 2019. Tolling agreement made. (55533) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 61 Gore Street- To install a small cell wireless facility on an existing wood utility pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole and three radios in a shroud also mounted on the pole. See the plans accompanying this application for details. This proposal improves wireless capacity for residents, businesses and visitors.

32. Continuation from September 19, 2019. Tolling agreement made. (54618) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 50 Ames Street - To install a small cell wireless facility on a replacement single pendant style light pole of approximately the same height, utilizing a steel "look alike" pole painted to match the existing pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

33. Continuation from September 19, 2019. Tolling agreement made. (54620) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 124 Hampshire Street - To install a small cell wireless facility on a replacement cobra style light pole of approximately the same height, utilizing a steel "look alike" pole painted to match the existing steel pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

34. Continuation from September 19, 2019. Tolling agreement made. (54621) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 131 Otis Street - To install a small cell wireless facility on a replacement cobra style light pole of approximately the same height, utilizing a steel "look alike" pole painted to match the existing steel pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

35. Continuation from September 19, 2019. Tolling agreement made. (54622) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 137 Magazine Street - To install a small cell wireless facility on a replacement cobra style light pole of approximately the same height, utilizing a steel "look alike" pole painted to match the existing steel pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

36. Continuation from September 19, 2019. Tolling agreement made. (54623) Extenet Systems, Inc, 3030 Warrensville Road, Suite 240, Lisle, IL 60532, for the following: 166 Prospect Street - To install a

small cell wireless facility on a replacement cobra style light pole of approximately the same height, utilizing a steel "look alike" pole painted to match the existing steel pole. The principal elements of the proposed facility are an antenna housed in a 24" long shroud at the top of the pole and three radios in a shroud also mounted on the pole. The proposed replacement pole fully accommodates the same type of light fixture, to be installed and made operational as part of this proposal. It is structurally stronger than the existing pole. See the plans accompanying this application for details. This proposal maintains appearance of the existing streetscape and improves wireless capacity for residents, businesses and visitors.

37. Continuation from September 19, 2019, to determine size of service and whether there is a need. (VP 55440) Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: 82 Mt. Auburn Street - Westerly from MHC81, at the intersection of Dunster Street, install approximately 38 feet conduit. [Time Stamp: 35:27]

**Present:** Susan Barroso and Joanne Callender, on behalf of the petitioner; Attorney James Rafferty, on behalf of the business and Keith Bettencourt, architect.

**Documents Considered:** Application and documents attached thereto.

**Summary:** It was determined that this size of service is needed. They will also be digging for water and this work can be done at the same time. The street will be demoed, and they will repave. The location is the corner of Dunster and Mt. Auburn.

**Decision:** Approved, 2-0, subject to all typical conditions, coordination with Public Works and paving curb to curb.

38. Continuation from September 19, 2019, to look for new corridor and meeting with DPW. (VP 55439) Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: 85 First Street - Hurley Street, at and westerly from new manhole MHC30850, approximately 220 feet west of First Street, install approximately 120 feet conduit. [Time Stamp: 41:06]

Hurley Street, at and easterly from new manhole MNH30850, approximately 220 feet west of Hurley Street, install approximately 125 feet conduit.

**Present:** Susan Barroso and Joanne Callender, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** The new plan was submitted to Viewpoint. The conduit will be placed in front of 22 Hurley Street. They will be using a smaller manhole on the sidewalk. 42;

**Decision:** Approved 2-0, with all typical conditions.

39. Continuation from September 19, 2019, to determine what will happen to small cell on Pole #23 or whether going to different pole. (VP 54496) Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: 40-54 Market Street - Southwesterly from Pole 466/23, approximately 115 feet northwest of Union Street, install approximately 39 feet conduit. **[Time Stamp: 42:25]**

**Present:** Susan Barroso and Joanne Callender, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** The antenna is compliant. There is a stub at the base of the pole from a previous transfer that has to be removed.

**Decision:** Approved 2-0, with all typical conditions and removal of the stub.

41. New Petition (VP 58698) Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: 750 Main Street - Northwesterly from MHC814, approximately 180 feet west of Osborn Street, install approximately 13 feet conduit. **[Time Stamp: 43:13]**

**Present:** Susan Barroso and Joanne Callender, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** This is a small piece of a large project that has already been approved. This portion was not ready to be heard when the rest of the project was applied for.

**Decision:** Approved 2-0, with all typical conditions.

42. New Petition (VP 58772) Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: 55-59-63 Union Street - Northwesterly from Pole 680/16, approximately 95 feet south from Lincoln Street, install approximately 8 feet conduit. **[Time Stamp: 44:20]**

**Present:** Susan Barroso and Joanne Callender, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** This is for new service to a two family house. The transformer will be in between the buildings. The pole is existing. If a new pole is needed, the double pole must be removed before the riser goes up and the driveway must be made compliant.

**Decision:** Approved 2-0 with all typical conditions and making the driveway compliant.

43. New Petition (VP 58709) Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: 13 Vincent Street - Northeasterly from Pole 693/3, approximately 171 feet southeast from Walden Street, install approximately 4 feet conduit. **[Time Stamp: 46:30]**

**Present:** Susan Barroso and Joanne Callender, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** This is an existing pole. If the pole has to be removed, the double pole must be removed before the riser goes up.

**Decision:** Approved 2-0.

44. New Petition (VP 58706) Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: JFK Street - Southwesterly from MHC2080, approximately 123 feet southwest of Brattle Street, install approximately 69 feet conduit. [Time Stamp: 46:54]

**Present:** Susan Barroso and Joanne Callender, on behalf of the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** This is new service for a building in a new commercial space. All service is going to the triangle shaped building.

**Decision:** Continued 2-0 for a site visit, test pits and an 8M permit.

45. New Petition (VP 58705) Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: North Point Boulevard - Southeasterly from MHC2958, at the intersection of Museum Way, install approximately 390 feet—conduit. Education Street - Northwesterly at the intersection of North Point Boulevard, install approximately 24 feet—conduit. [Time Stamp: 47:50]

**Present:** Susan Barroso and Joanne Callender, on behalf of the petitioner; and Robin Pfetch, on behalf of DCR and Nathalie Assens, on behalf of Commodore Builders.

**Documents Considered:** Application and documents attached thereto.

**Summary:** This is in front of the new EF building. The street has already been paved. This is being built on top or on the side of the existing duct bank. They are increasing the size, not putting in a new one.

**Decision:** Approved with typical conditions and a site meeting to verify route. Preferable to be on top.

46. New Petition (VP 58700) Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: 1465 Massachusetts Avenue - Southerly from MHC187, at the intersection of Garden Street, install approximately 142 feet conduit. [Time Stamp: 50:38]

**Present:** Susan Barroso and Joanne Callender, for the petitioner.

**Documents Considered:** Application and documents attached thereto.

**Summary:** This petition is for a small cell instillation for Extenet.

**Decision:** Continued to see if Extenet has filed an application to be heard at the same time.

After adjournment, a resident questioned the Spring Street petition. She was told it had been tolled.

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Board Voted: NOV 21 2019

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Nicole Murati Ferrer, Chair

Date Minutes Posted: NOV 21 2019

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Stephen Lenkauskas

\_\_\_\_\_  
T.J. Shea

**City of Cambridge Pole and Conduit Commission's Policy  
Regarding Small Cell Wireless Installations on Public Ways  
("Small Cell Policy")**

The City of Cambridge ("City") Pole and Conduit Commission ("Commission") hereby adopts this policy ("Policy") regarding Applications ("Application") relating to installations and upgrades which substantially change or defeat the existing concealment elements of small wireless facilities ("Small Wireless Facilities"), including communications equipment and related infrastructure on or within public rights of way in the City ("Installations or Installation"). Small Wireless Facilities shall include any facilities as defined in footnote 9 of the Declaratory Ruling and Third Report and Order, dated September 26, 2018 by the Federal Communications Commission.

**I. Application Process**

- A. Applicants ("Applicants") shall submit Applications to the Commission accompanied by an Application fee of \$500 per Application, payable to the "City of Cambridge." The \$500 fee will cover up to 5 Installations submitted with each Application. Each Application for more than 5 Installations is subject to a separate fee of \$100 per Installation after the first 5 Installations. Additionally, a \$270 fee (which shall be an "Annual Recurring Fee") for each Installation shall be required to be submitted within five business days of any grant of said Application. If the Application relates to a request for installation of a new non-City owned pole or other structure, a one-time \$1,000.00 fee shall be required for each such new pole or other structure in addition to said Annual Recurring Fee. The amounts due under this section may be revised by the Commission from time to time, consistent with applicable law. In the event the City's costs in reviewing any Application exceed the amounts prescribed in this section, Applicants shall be responsible for those costs.
- B. The Application process shall, in addition to the requirements described herein, follow the Siting Policy of the Commission ("Siting Policy").
- C. Applicants shall provide notice by first class mail to all other wireless providers, within the Applicant's knowledge after reasonable inquiry to the Commission staff, who use or may request use of the public right of way for communications services within five hundred feet (500') of the proposed location(s) ("Other Providers"). Such notice shall inform recipients of the Applicant's application, including specifying the pole(s) or other structures to be utilized, and any excavation(s) of the public way contemplated by the work. Proof of mailing of such notice shall be provided within three (3) business days of application submission, and may be provided by submission of an affidavit.
- D. Commission staff shall notify the Applicant, in writing, within 10 days, if the Application is incomplete, specifying the information needed and the relevant policy or ordinance provision or requirement. If an Applicant supplements its Application, the date of such supplementation shall be considered the new application date for purposes of any required time requirements. With respect to the supplementation, the Commission staff shall notify the Applicant, in writing, within 10 days of the supplementation if the Application is still not complete, specifying the information

needed and the relevant policy or ordinance provision or requirement. After such written notification, any required time periods shall be tolled until such time that the Applicant provides the required information. In the event an application remains incomplete forty-five (45) days after any notice that the application is incomplete and the Applicant has not responded, such application shall be deemed denied without prejudice, and will need to be resubmitted in full, including payment of fees accompanying a new application. Denial for incompleteness shall not entitle Applicant to refund of any fees paid. Commission staff's determination of the completeness of an Application is administrative and not substantive in nature; it does not imply or concede that the Commission will not find the Application defective and/or that it will ultimately be approved by the Commission.

- E. Once the Commission staff has determined that an Application is complete, the Commission staff will schedule the Application to be heard at a public hearing of the Commission to consider the Application. The Applicant shall notify all Other Providers, as applicable, of the hearing date, and of any continued or rescheduled hearing date, within three days after such hearing date is scheduled. The Applicant shall, within three days after such hearing date is scheduled, notify to all owners of properties that share a common boundary with the area proposed, extending all the way to the owners of properties on either side of the area proposed in both directions for a distance of one hundred fifty feet, and to owners of property on the opposite side of the street of the area proposed, or, where the area proposed is adjacent to an intersection, all property owners in all directions of the public way for a distance of one hundred fifty feet as described in the previous sentence (hereinafter "Abutters"), by first class mail, of the scheduled hearing date, and of any continued or rescheduled hearing date. Proof of mailing of such notice shall be provided within three (3) business days of mailing, and may be made by submission of an affidavit. Failure to notify all Abutters and Other Providers, or said affidavit of proof of mailing, as applicable, may result in denial of the Application. Alternatively, Applicant may sign an extension agreement extending the time within which the Commission may respond to the Application by one week for every extra day that the Applicant needs to notify all Abutters and Other Providers, with a corresponding agreement to extend the hearing date accordingly.
- F. Recipients of notice provided under subsection C, above, are strongly encouraged to consider collocation with the Applicant, and Applicant shall in good faith entertain proposals to cooperate in order to minimize the impact of deployments in the City. In particular, Applicants and Other Providers are strongly encouraged to utilize shared conduit or trenching in order to both minimize their individual costs, and in pursuit of mutually beneficial common trench policies to speed deployment and minimize harmful excavation in the City's streets and sidewalks. Applicant is required, throughout the review of any Application, to promptly notify the City of any request for cooperation received from any Other Provider, and if Applicant elects not to cooperate, it shall supplement its Application with an explanation as to why it is so electing.



- G. For any reason, the Commission and the Applicant may enter into a tolling agreement for the consideration of the Application at a future hearing before the Commission for any reason at any time.
- H. The Commission may grant, grant with conditions, or deny an Application. Applications may be approved if they comply with all applicable requirements, or if their approval is otherwise required consistent with applicable law. A denial may be based on criteria including but not limited to any of the following:
  - i) inadequate capacity of the pole or mounting structure;
  - ii) failure to meet applicable engineering standards;
  - iii) failure to meet the Commission's design standards;
  - iv) failure of the Applicant to comply with all applicable laws, rules, regulations or other requirements;
  - v) there are more convenient or favorable nearby locations such that the applicant may densify its network through such nearby locations which are more consistent with the City's preferred locations as otherwise described herein, or where there may be an opportunity for a collocation;
  - vii) false statements made in the Application or submitted therewith, or at the hearing before the Commission; and
  - viii) any other legally valid reason to deny such Application.
- I. Any approval granted to an Applicant shall be only for the specific Applicant and Application, including location of all proposed Installations.
- J. If the Commission denies the Application, such denial shall not be effective until the written decision is executed and issued to the Applicant by the Chair.
- K. Any tolling agreement reached by the Applicant and the Commission must be memorialized in writing on the Commission's form entitled *Tolling Agreement Relative to Small Cell Installation Petition* ("Tolling Agreement") attached hereto as Exhibit I(K), executed by the Applicant and submitted to the Commission within three (3) business days of the agreement being made. Failure of the Applicant to provide an executed Tolling Agreement within three (3) business days of an Applicant's agreement to do so shall constitute a binding agreement with the Commission that the Applicant's is withdrawing the subject Application without prejudice to re-filing, and such Application shall be considered withdrawn upon expiration of such third (3<sup>rd</sup>) business day without further action of the parties.

## **II. Content of Applications**

Applications shall include the following information, in digital form, in addition to information related to notification and collocation required by the preceding Section:

- A. Applicant's name, address, telephone number and email address.
- B. Names, addresses, telephone numbers, and email addresses of anyone acting on behalf of the Applicant with respect to the Application.
- C. A copy of a License Agreement issued by the City, executed by the Applicant. Full execution by the City shall occur at the time of permit issuance, in the event of approval. For Installations proposed on non-City owned structures, Applicant shall provide a license agreement or other documentation showing approval and authority

for attachment to such structure from the owner of such structure, as well as sign a License Agreement for utilizing the public way, executed by the Applicant. Full execution by the City shall occur at the time of permit issuance, in the event of approval. Further, any other required executed agreements, forms or licenses may be required as determined and provided by the Commission.

- D. Detailed drawings and descriptions of the equipment to be installed, signed by a Massachusetts licensed engineer, whether mounted on poles or on the ground, or otherwise, including:
  - i. Type of equipment.
  - ii. Specifications of equipment (including but not limited to dimensions and weight).
  - iii. Equipment mount type and material.
  - iv. Power and/or communication source and/or sources for equipment, including route of any necessary fiber, wires, cables, and conduit, distance and direction from the power and/or communication or conduit sources, and maps of any proposed excavation, and extent of excavation needed.
  - v. Rendering and elevation of equipment.
  - vi. Photo simulations, from four different angles, showing the pole and streetscape before the installation, as well as after installation.
- E. A detailed map in a digital format acceptable to the Commission with locations of the poles or other property on which equipment is to be located, including specific pole type, and pole identification number, if applicable.
- F. Insurance certificates with the following minimum coverages: General liability insurance in an amount not less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate, worker's compensation insurance not less than the amount of \$100,000 per accident and \$500,000 per illness or the statutorily required amount, whichever is greater, and umbrella insurance in an amount not less than \$5,000,000. The City must be an additionally named insured, and such policies shall indicate that the insurance company shall provide thirty (30) business days' prior written notice to the City of lapse or cancellation. All insurance carriers shall carry an A.M. Best rating of "A-" or better. Such insurance shall provide for the waiver by the insurance carrier of any subrogation rights against City, its agents, servants and employees.
- G. Any and all permits and approvals, including but not limited to any permits from the City of Cambridge Department of Public Works, the Police Department, the Cambridge Historical Commission, the Cambridge Community Development Department, the Traffic, Parking and Transportation Department or any other City department or federal or state agency required for the proposed Installation, shall be applied for on the same day as the submission of the Application, or promptly thereafter, but not before the submission of the Application, and such that any such permits and approvals are valid at the time of any grant of location hereunder. Applicant shall reapply for any approvals or permits that have expired prior to any grant of location being approved under this policy.
- H. A description as to why the desired location is superior to other similar locations, including, but not limited to:
  - i. Aspects showing that the Installation will not incommode the public way;
  - ii. Visual aspects; and

- iii. Proximity to residential buildings and descriptions of efforts to prevent any blocking of views from windows
- I. A description of efforts to collocate the Installation(s) on existing structures, poles, or towers which currently exist or are under construction pursuant to the Siting Policy. A good faith effort to collocate is required and written evidence of such efforts must be submitted with the Application, all pursuant to the Siting Policy. Further, this Policy encourages multiple wireless carriers to collocate their wireless communications equipment and related infrastructure on an existing pole or support structure. In the event an Application is submitted for an Installation which does not contemplate collocation at the time of the Application or in the future, that Application shall include a detailed technical explanation as to why collocation is technically impracticable.
- J. An affidavit(s) from Massachusetts-licensed licensed engineer(s) attesting:
  - i. The Applicant, or the carrier intending to use the Installation, is in good standing and currently licensed by the Federal Communications Commission;
  - ii. The proposed Installation complies with any regulations of the Federal Communications Commission;
  - iii. The proposed Installation(s) complies with the maximum safe distance from the antennae and equipment for prolonged and discrete human or animal exposure under the Federal Communications Commission regulations, including but not limited to, a description of the distances (in feet) considered safe and compliant with Federal Communications Regulations in terms of radiation emissions exposure limitations with respect to a human and/or animal from the proposed antennae for one year, one month, for one day, and for one hour, and a description of the circumstances, if any, under which a non-trespassing individual (i.e. an adjacent property owner) may come within those distances.
  - iv. That the pole or property will safely support the proposed equipment and proposed Installation(s);
  - v. That the Installation(s) shall comply with the City of Cambridge Noise Ordinance;
  - vi. That all other Installations by the Applicant or parent company which are no longer in use have been removed and the annual re-certification has been submitted for such Installations, and all fees and fines paid with regard to such Installations, and any City property, including the public way, has been restored to the condition existing prior to such Installation, in accordance with all City standards and at Applicant's expense;
  - vii. A detailed explanation of how the proposed Installations(s) will provide service in the City, including a description of services to be improved or newly provided, and which shall include evidence of the current level of coverage in the area, how the desired Installation(s) will change the current level of coverage, and an explanation as to why the Applicant believes denial of the proposed Installation would constitute an effective prohibition of an entity's ability to provide wireless services; and;
  - viii. Any supporting documentation proving the foregoing, including but not limited to, a detailed map (in digital format acceptable to the Commission)

showing the Applicant's existing and proposed Installation(s) within 500 feet of the Application site, and amount of cellular coverage in the area.

### **III. Annual Re-Certification and Affidavit**

- A. Each year, no later than March 1, the Applicant shall submit an affidavit to the Commission which shall list, by location, all Installation(s) it owns within the City by location, including pole number, and shall certify the following: (1) each Installation that remains "in use;" (2) that such Installations remain covered by insurance; and/or (3) each such Installation that is no longer in use.
- B. The Applicant shall pay an annual re-certification fee of \$270 per Installation to the Commission. Any Installation which is no longer in use, abandoned or is no longer authorized to operate by law or other regulation, shall be considered in default and removed. Any of the City-owned equipment shall be returned to the City after all elements of the Installation have been removed at the discretion of the City, as provided in the License Agreement to be entered into with the City.

### **IV. Prohibitions**

- A. No Installations will be permitted to be installed on double poles.
- B. No Installations will be permitted to be installed on poles which result in non-compliance with any applicable federal, state and/or local laws, rules and regulations.
- C. No Installations shall remain upon the City right of way or on City property which has not been certified as "in use" in the annual re-certification affidavit.
- D. No Installations will be permitted to be installed on any traffic signal pole or other related infrastructure or equipment.
- E. An Applicant may submit an Application inconsistent with the foregoing prohibitions, but only if accompanied by evidence sufficient to demonstrate that the otherwise prohibited Installation must be considered by the City in order to avoid a prohibition or effective prohibition on the provision of service, as defined by applicable federal law.

### **V. Design and Location Requirements for Installations**

The purpose of the Design and Location Requirements for Installations is to preserve the character of Cambridge's neighborhoods and commercial corridors.

- A. Intent of the Design and Location Requirements for Installations:
  - i. Minimizing visual as well as physical clutter to the maximum extent possible.
  - ii. Maintaining public open spaces and parks clear of visual clutter of communication and signage elements.

- iii. Discouraging placement of Installations on decorative pedestrian municipal street lights.
- iv. Standardizing components of Installations, e.g., size, scale, color, location to be consistent with character of existing public infrastructure in the public right of way.
- v. Avoiding siting of Installations in front of designated historic structures, landmarks, parks or impacting view corridor to major natural, cultural, or historic resources.
- vi. Reducing visual clutter as much as possible by collocating Installations onto existing infrastructure.
- vii. Maintaining the consistency of character of the neighborhoods in Cambridge.

B. Types of Poles

- i. Single Acorn Pole: A pole similar in design as depicted in Exhibit "V(B)(i)"
- ii. Double Acorn Pole: A pole similar in design as depicted in Exhibit "V(B)(ii)"
- iii. Cobra Head Pole: A pole similar in design as depicted in Exhibit "V(B)(iii)"
- iv. 1907 Tear Drop Roadway Pole: A pole similar in design as depicted in Exhibit "V(B)(iv)"
- v. Single Saturn Pedestrian Pole: A pole similar in design as depicted in Exhibit "V(B)(v-vi)".
- vi. Double Saturn Pedestrian Pole: A pole similar in design as depicted in Exhibit "V(B)(v-vi)".
- vii. Cree Edge Pole: A pole similar in design as depicted in Exhibit "V(B)(vii)"
- viii. Gas Lamp Pole: A pole similar in design as depicted in Exhibit "V(B)(viii)"
- ix. Large Square Light Pole: A pole similar in design as depicted in Exhibit "V(B)(ix)".

- x. Vassar Street Contemporary Pole: A pole similar in design as depicted in Exhibit "V(B)(x)".
- xi. The Single Acorn Pole, Double Acorn Pole, Single Saturn Pedestrian Pole, Double Saturn Pedestrian Pole, Cree Edge Pole, Vassar Street Contemporary Pole, and the Gas Lamp Poles shall be considered "Decorative Poles."

C. Siting Requirements:

All Installation(s) shall comply with the following requirements:

- i. No Installations, other than a collocation at the same location, shall be located closer than 150 feet radially from another Installation, unless the Applicant proves with substantial evidence that locating further than 150 feet from another Installation would constitute an effective prohibition of wireless services, and that collocation with an existing Installation within that radius is impracticable.
- ii. In commercial districts and major city squares such as Harvard Square, Central Square, Inman Square, Porter Square and Kendall Square, an Installation shall not be located directly adjacent to a preexisting pole with a previously approved Installation, unless the Applicant proves with substantial evidence that this restriction would constitute an effective prohibition of wireless services.
- iii. Installations shall be placed on existing non-decorative light poles, with preference for the 'Cobra Head' poles first, and then to '1907 Teardrop' poles, then to Large Square Light Poles. Any use of Decorative Poles shall be disfavored. The Application will be denied unless the Applicant proves with substantial evidence that deviating from this order of preference would constitute an effective prohibition of wireless services.
- iv. All equipment associated with an Installation shall be consistent with ADA regulations. Installations shall not obstruct ADA access and circulation including maintaining clear landing at the top of crosswalk curb ramps and minimum distance between the base of the new Installation and any other obstruction such as building walls or other elements and shall not incommode the public way.
- v. No Installation shall be located less than 6 feet from an existing building wall unless the Applicant proves with substantial evidence that this restriction would constitute an effective prohibition of wireless services.
- vi. No equipment associated with the Installation, including backup power supply or base equipment cabinet or shroud shall be installed in the pedestrian walking area or amenity zone of the sidewalk, where site furniture including seating or bike racks are located, unless the Applicant proves with substantial evidence that this restriction would constitute an effective prohibition of wireless services.

- vii. Where possible, Installations shall be in a straight line with existing utility poles, street lights and street trees in the right of way.
- viii. No new Installation or any related structures shall be placed less than 6 feet away from the edge of a driveway of a residential or commercial property; and shall be placed at least 15 feet from the outer edge of the curb at any intersection of two or more public rights of way, unless the Applicant proves with substantial evidence that this restriction would constitute an effective prohibition of wireless services.
- ix. Installations shall not be placed within 6 feet of a residence's window, door openings, porches or balconies, unless the Applicant proves with substantial evidence that this restriction would constitute an effective prohibition of wireless services.
- x. No Installation shall be placed where, in the determination of the City, it would limit the City's ability to plant future street trees based upon the existing City plans for planting of street trees.
- xi. No Installation shall be placed where, in the determination of the City, it would limit the City's ability to install any city infrastructure, transportation elements or facilities including bike lanes, bike racks or other street furniture and the like based upon existing City plans for installation of such facilities.
- xii. Where the City has planned a redevelopment or change to a street, sidewalk, square, or other area of the City, Applicants shall remove their Installation at their own cost upon reasonable notice by the City, and may apply to place their Installation in a different location upon the City's redevelopment or change to such area, but in an emergency such as a flood, hurricane, war, or other such emergency, Applicant shall remove their Installation immediately.
- xiii. In residential zoning districts, Installations shall not be placed directly in front of a building. Where there is a side yard setback with open space or other space, preference shall be given to applications to locate an Installation on the public way in front of a side yard setback, unless the Applicant proves with substantial evidence that locating the Installation in front of a side yard setback would constitute an effective prohibition of wireless services.
- xiv. For properties under the jurisdiction of the Cambridge Historical Commission, Applicants for Installations shall obtain written authorization from the Cambridge Historical Commission Applicants shall submit all required materials to the Historical Commission and the Community Development Department contemporaneously with any Application made under this Policy.
- xv. Applicants of proposed Installations must consider other optional siting locations to avoid placing Installations in front of storefront windows, primary entrances,

exits, in front of primary walkways or area in such a manner that would hinder service to the building or delivery.

- xvi. In residential zoning districts, new poles for Installations must be located at the lot line between properties.
- xvii. New Installations shall not be placed where they obstruct the sight line of any intersecting street or public alley. A minimum of fifteen feet (15') shall be maintained between the new Installation and the outside edge of the street curb or public alley.
- xviii. The design and location of Installations shall be consistent with the current Manual on Uniform Traffic Control Devices (MUTCD) and adopted Cambridge standards for intersections' sight lines triangles.
- xix. Siting for utilization of existing utility or City-owned poles or other City-owned property for Installations will be given priority, and any requests to install a new Installation or other structure in the public way shall be denied unless the Applicant proves with substantial evidence that this restriction would constitute an effective prohibition of wireless services. Specifically, Applicants seeking installation of new poles are expected to document why neither collocation upon, or replacement of, an existing pole proximate to the proposed location is practicable, thus necessitating the addition of additional poles to the public way.
- xx. All Installations shall comply with all local, state, and federal rules, laws and regulations.

## **VI. Pole Design and Overall Height**

- A. If Installations are proposed to be mounted on any of the City's existing single Acorn or single Saturn poles, Cree Edge Poles and Gas Lamp Poles, the existing pole shall be replaced with a double luminaire fixture of the same design for purposes of aesthetics. The antenna on these poles shall be of a "whip antenna" design, which antenna shall be no higher than 30 inches high by 2 inches in diameter and shall have an antenna mount no more than 45 inches high by 4.5 inches in diameter, and shall be located directly in between the luminaire fixtures.
- B. If the Applicant proposes to replace an existing Decorative Pole with a new Installation, the Applicant shall replicate to the maximum extent possible the existing pole design and overall dimensions.
- C. With respect to Cobra Head poles, all antennas, equipment, wiring and cabling shall be built within the pole itself, which allow for multiple carriers in one pole.
- D. Any Installations at the site of an existing pole shall not extend the overall height of the pole by more than 10% of the existing pole height, except for "whip



antennas" which shall be no higher than 30 inches high by 2 inches in diameter and shall have an antenna mount no more than 45 inches high by 4.5 inches in diameter, and except for Installations upon Large Square Light Poles, which may be more than 30 feet high, but shall not extend the overall height of the pole to more than nearby Large Square Light Poles.

- E. In residential zoning districts, top mounted antennas on Installations shall not increase the height of the existing pole by more than 5 feet.
- F. No Installation shall be more than 10% higher than other adjacent poles, except for Installations upon Large Square Light Poles, which shall not extend the overall height to more than nearby Large Square Light Poles.

**VII. Equipment Cabinet, Equipment Shroud, Antenna and Antenna Shroud**

- A. Where technically feasible, equipment, cables and wiring for Installations shall be located underground. The foregoing undergrounding requirement does not apply to elements of an Installation which must, by necessity, be located aboveground, such as antennae, radio units, and cable runs connecting such equipment to underground equipment vaults.
- B. Any above ground or pole mounted equipment cabinet or shroud shall be no more than 36 inches high, no more than 18 inches wide and no more than 12 inches deep. Any above ground or pole mounted equipment cabinet or shroud shall be installed with the 18 inches side parallel to the sidewalk. Hardware, anchors and straps to the pole shall match the pole color and finish.
- C. Equipment cabinets or shrouds shall be pole mounted at least 10 feet high on Installations which are less than 25 feet high, or at least 12 feet high on Installations which are greater than 25 feet high.
- D. Pole mounted equipment cabinets or shrouds shall not be mounted on the street side of the Installation.
- E. Antennas of Installations greater than 25 feet high shall be no more than 24 inches high by 16 inches in diameter.
- F. Antennas, conduits, brackets and hardware shall be hidden from view. All associated wiring and cable shall be installed within the Installation, except for Installations upon a wooden pole, which in such case, wiring and cabling shall be shrouded and painted to match the wood on the pole.
- G. Antennas mounted on Installation which are greater than 25 feet high shall include a tapered transition piece between the antenna and the pole top for a seamless extension of the existing pole. The tapered transition piece shall be no more than 16 inches in diameter and 24 inches high.

- H. Antenna enclosures on Installations that are more than 25 feet high shall be no wider than 150 percent of the diameter of the pole or support structure and shall not be more than 16 inches in diameter or whichever is less, and shall be no more than 24 inches in length.
- I. Antenna mounted on top of Installations that are less than 25 feet high shall be a "whip antenna," and be no greater than 30 inches high nor greater than 2 inches in diameter and shall have an antenna mount no greater than 45 inches high nor greater than 4.5 inches in diameter.
- J. Installations, including but not limited to the ventilation equipment within the shroud or cabinet, must comply with the City of Cambridge Noise Control Ordinance. If an Installation is in violation of the City of Cambridge Noise Control Ordinance and cannot be brought into compliance, the Installation must be removed and any City property, including the public way, restored to the condition prior to the Installation, in accordance with all City standards, and at Applicant's expense.

#### **VIII. Color, Finish, Signage, Logos and Decals**

- A. All Installations shall match the existing and adjacent street light poles' colors to the greatest extent practicable.
- B. No exposed wires or conduit shall be permitted on any Installation except on existing wooden poles; and if Installations are installed on existing wooden poles, they must conform to the utilities' 'Construction Requirements for Distributed Antenna Systems (DAS) on Electric Distribution Poles.'
- C. No Signage/Decals or Logos of the Applicant, other than FCC required signage, shall be placed on any Installation.
  - i. Signage: Unless required otherwise by state, federal or local laws, rules or regulations, signage shall not exceed 4 inches by 6 inches and must be attached or anchored with material to match the pole color and finish of the Installation. Applicant shall only post its or the manufacturer's name, location, pertinent and emergency contact information in an area on the equipment or shroud that is visible to the public and shall do so only as permitted or required by state, federal or local laws, rules or regulations. Where no equipment cabinet or shroud exists on an Installation, the signage shall be located at the base of the Installation.
  - ii. Applicants shall remove or paint over manufacturer decals without compromising the surface, color or finish of the Installation's base material. The color and finish of the Installation shall match or be as approved by Cambridge Historical Commission staff. No advertisement for the Applicant or manufacturer of the Installation shall be allowed

except displaying information as permitted or required by federal, state or local laws, rules or regulation.

- iii. Required equipment warning stickers: Applicants shall use only the smallest and lowest visibility warning stickers allowed by federal, state, local laws, rules or regulations.
- iv. Equipment cooling fans: In residential zoning districts, if equipment cooling fans are required, the Applicant shall use equipment cooling fans with the lowest noise level and shall not exceed the levels allowed in the City's noise ordinance.

## **IX. Miscellaneous Provisions**

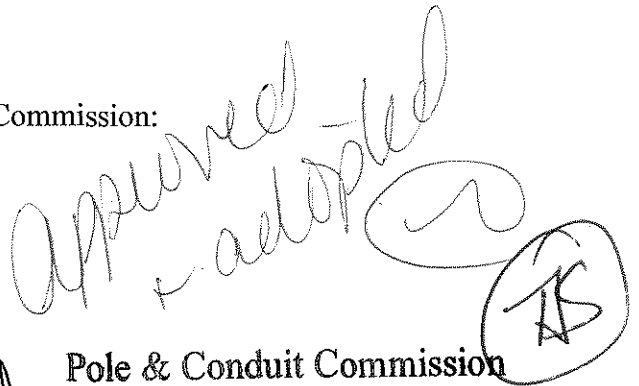
A. If an Application is granted or granted with conditions, the Applicant may be required to comply with certain conditions or be required to obtain additional permits from other City Departments prior to completing the Installation. Failure to comply with any conditions or the good faith application for required permits from other City Departments may be the basis for the revocation of a grant of location or may render a finding that in the Applicant is in non-compliance with the Small Cell Policy and the Installation(s) will not be allowed to be installed or that such Installation(s) will have to be removed and the Applicant will have to restore the public way to the condition prior to the Installation, in accordance with all City standards, and at Applicant's expense.

B. If any provision of this Small Cell Policy is deemed null, void or unenforceable by a court of competent jurisdiction, the remainder of the Small Cell Policy shall remain in full force and effect.

C. The Commission may grant any application inconsistent with the requirements of Sections IV, V, VI, VII, or VIII where necessary to avoid a violation of applicable law. Where an Applicant submits an Application it knows is inconsistent with one or more requirements of this Policy, such Application must specify those provisions for which it seeks waiver, and must include specific explanations as to the need for waiver of each, including explaining why compliance with the requirement(s) would prohibit or effectively prohibit the provision of services as protected by applicable law.

Approved by the City of Cambridge Pole and Conduit Commission:

Date: \_\_\_\_\_

*Approved & adopted*  


**Pole & Conduit Commission**  
831 Massachusetts Avenue  
Cambridge, MA 02139

OCT 31 2019