

# CAMBRIDGE LICENSE COMMISSION



Nicole Murati Ferrer  
Chairperson

831 Massachusetts Avenue, First Floor, Cambridge, Massachusetts 02139

Stephen Lenkauskas  
City Electrician

## POLE AND CONDUIT COMMISSION

Terrence James Shea  
Superintendent of Streets

Elizabeth Y. Lint  
Executive Director

Minutes for the Pole and Conduit Commission Meeting  
Of Thursday, January 31, 2019 at 10:00 A.M.  
Michael J. Lombardi Building, 831 Massachusetts Avenue  
Basement Conference Room

*Commission Board Members Present: Stephen Lenkauskas and T.J. Shea*

Meeting Started at 10:00 a.m.

### Public Testimony Matters

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

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

Decisions: All matters granted had, at a minimum, the following conditions (also known as "typical conditions"):

- (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.

1. **New Petition Cambridge Department of Public Works, 147 Hampshire Street, Cambridge, MA 02139**, for the following: **Eliot Street** - The Cambridge Department of Public Works respectfully petitions your Commission for permission to erect or construct along, under, and across **Eliot Street** for the transmission of electricity to power nine new street lights. The installation includes, nine (9) poles with concrete bases, six (6) handholes, four hundred and eighty linear feet (480lf) of 3-inch conduit with power cables, and other fixtures necessary for the successful completion of the proposed lighting. This work is located substantially as shown on the stamped plans by Ronald W. Buia P.E. from HDR Engineering and dated November 2018. See sheet E- 1, 2, 3, 4, & 5. **VP #30063**

**Present:** Paul Overgaag, owner of 10 Eliot Street; DPW representative Louis Mothon.

**Summary:** Mr. Overgaag expressed concern about how the work is being done on Eliot Street, without coordination and supervision by the city. He is also concerned with streets being blocked off, making it difficult for patrons to access the businesses. He explained that he paid for the construction of the sidewalk in front of Charlie's Kitchen, so he could have a patio. It is to remain handicapped accessible at all times. A pole is proposed to go in to the middle of the patio. He wants it to be placed in another spot so as not to obstruct his patio.

Mr. Mothon agreed that the job could be better supervised by the city. A representative from permitting at DPW came down and rectified the problem. The pole will be relocated, assuming a space can be found. The concrete patio is being torn up for the gas lines to go in. The new patio will be brick.

**Decision:** Approved (2-0) contingent upon coordinating with the business owners, relocating the pole and all typical conditions.

Petitions 2,3, 4 and 18 were considered together as they are interrelated.

- 2. New Petition Comcast, 426 E. First Street, Boston, MA 02127, for the following: **145 Broadway** - From existing Level 3 Manhole on **Galileo Galilei Way**, trench southerly +/- 15' installing 2- 4" conduits and install 1 new 4'x4' Comcast Manhole. From new Comcast Manhole, trench easterly +/- 65' to the private property line of **145 Broadway** installing 1-4" conduit. From same new Comcast Manhole, trench southerly +/- 77' then turning easterly +/- 389' installing 2-4" conduits to existing Comcast Manhole. **VP #30907****

**Present:** Anthony Vatalaro, Comcast; Sean Alles, Crown Castle, John Moser, VHB and Ross Bilodeau, Verizon.

**Summary:** Comcast has received permission from Level 3 to breakout of one of their manholes and install one of their own. They will go in on the Galileo side and they also have their own manhole on the Broadway side. This is to create a diverse path. Level 3 will let them pass but not install equipment. Mr. Vatalaro will upload the breakout letter. All utilities will be in the same trench, on the Galileo side. For Comcast the manhole is in the street and then a lateral in to the building. All work is being done by one contractor on the site. The street work will be done independently. All work must be coordinated. Comcast and Crown Castle will each have a duct bank. Construction will commence after the moratorium to get everyone coordinated.

**Decision:** Approved (2-0) for Comcast and Crown Castle. Must coordinate with DPW. All typical conditions, including a site visit.

- 3. New Petition Crown Castle Fiber, 80 Central Street, Boxborough, MA 01719, for the following: **Galileo Galilei Way at Broadway** - Starting at level (3) MH#0515-2800 on **Galileo Galilei Way** trench 97'+/- northerly and place (2) 4" conduits to the private property line of **145 Broadway**. **VP #30662****
- 4. New Petition Boston Properties, 800 Boylston Street, Suite 1900, Boston, MA 02199-8103, for the following: **145 Broadway** - Conduits from the new building constructed at **145 Broadway**, to a manhole on **Broadway** across the related to telecommunications. Additional conduit running on**

**Galileo Galilei Way** to a sewer manhole related to power and communications for a sewer sensor.  
**VP #30851**

**Present:** No name given

**Summary:** They are requesting a 2" line down Galileo to a sewer manhole for a waste water holding tank, as required by DPW. They need a breakout letter from Verizon to go in to the manhole on Broadway. The trench will have to be coordinated with Comcast.

**Decision:** Approved (2-0). Typical conditions, site meeting and coordination with DPW.

5. **New Petition Cambridge Network Solutions LLC, 35 McGrath Highway, Somerville, MA 02143**, for the following: **Hurley Street and First Street** - Starting at Verizon MH#26/598 at the intersection of **Hurley Street and First Street**, trench and install 468' +/- of (2) 4 " PVC conduits in a northerly direction on **First Street**, and place a new 3'x3' Cambridge Network Solutions Manhole to intercept the existing Cambridge Network Solutions conduit recently placed from the Crown Castle common trench at **1 Canal Park**. **VP #30801**

**Present:** Jeffrey Harrington, Cambridge Network Solutions

**Summary:** They want to start the process to reach out to Verizon for permission to lease conduit along the path. They have elected to be a participant with Crown Castle in their trench.

**Decision:** Continued to pursue license from Verizon. (2-0).

6. **Continued from December 20, 2018, to file for common trench and coordinate with DPW to verify the location of the trench. Crown Castle Fiber, 80 Central Street, Boxborough, MA 01719**, for the following: **First Street** - Installation of 182' +/- (1) 4 " communication conduit from Verizon MH#26/600 in a northeasterly direction on **First Street** and transitioning easterly on **Thorndike Street** to the building at **1 Canal Park**. **VP #28677**

**Present:** Sean Alles, Crown Castle.

**Summary:** This had been continued for common trench. Cambridge Network Solutions was the only company to respond. They have their breakout letter. They don't have permission from Verizon to use their trench.

**Decision:** Approved pending test pit, coordination with DPW and all typical conditions. A letter to the Commissioner of Public Works will be necessary if work is to be done during the moratorium.

7. **New Petition Crown Castle Fiber, 80 Central Street, Boxborough, MA 01719**, for the following: **Edwin H. Land Blvd at Cambridge Parkway** - Starting at Verizon MH#26/471 trench and install 100'

+/- of (1) 4" communication conduit northeasterly to proposed 3'x3' Crown Castle manhole, and continue 36' +/- southeasterly to the existing Crown Castle handhole in the grass at the intersection with **Cambridge Parkway**. **VP #30799**

**Present:** Roman Russin, Crown Castle

**Summary:** Crown Castle will have to petition DCR for Edwin Land Blvd.

**Decision:** Denied (2-0) as Cambridge can't give a grant of location.

8. **Continuation from September 20, 2018. Poles need to be replaced. Crown Castle NG East LLC, 67 Sharp Street – Unit 5, Hingham, MA 02043**, for the following: **392 Franklin Street** – This Eligible Facilities Request involves an effort to collocate Transmission Equipment at an existing Base Station within a public right of way **392 Franklin 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 24"H x 14.5" Ø antenna with a new 24"H x 15" Ø.

Taken off agenda prior to meeting at request of the applicant.

9. **Continuation from October 18, 2018, for further review; issue with clearance with building. Crown Castle NG East LLC, 67 Sharp Street – Unit 5, Hingham, MA 02043**, for the following: **Broadway Terrace** - This Eligible Facilities Request involves an effort to collocate Transmission Equipment at an existing Base Station within a public right of way at **7 Broadway Terrace**, at the intersection of **Broadway Terrace** and **Inman Place** (Lat:42.370221000000001/Long:-71.104510000000005). 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.

Taken off agenda prior to meeting at request of the applicant.

10. **New Petition Crown Castle NG East LLC, 67 Sharp Street – Unit 5, Hingham, MA 02043**, for the following: **Mt. Auburn Street** - Crown Castle ("Crown") to conventional trench +/- 180' in an easterly direction from the existing Crown Castle Manhole at the intersection of **Mt. Auburn Street and Banks Street**, to the new concrete sidewalk pad on the **Mt. Auburn Street** side of the building with an address of **1100 Massachusetts Avenue**. Crown to install 190' of 4X1-14 tele duck and mule tape from Crown Castle Manhole to **1100 Massachusetts Avenue** and install +/- 425' Crown Castle 144ct fiber from the existing manhole to the proposed panel inside **1100 Massachusetts Avenue**. **VP #30747**

This was continued at the request of the petitioner.

Petitions 11 through 16 were heard together as they are interrelated.

**11. New Petition Crown Castle NG East LLC, 67 Sharp Street – Unit 5, Hingham, MA 02043**, for the following: **Hamilton Street** - This Eligible Facilities Request involves an effort to collocate Transmission Equipment at an existing Base Station within a public right of way at Utility Pole #8 on **128-130 Hamilton Street** (Lat:42.35897/-71.10728). Pursuant to this Eligible Facilities Request, Crown Castle proposes to replace the existing shroud with a new 50"H x 30"W x 18"D shroud, and the existing 48" x 8.16" Ø antenna with a new 48" x 18" Ø antenna. **VP #30742**

**Present:** Cecelia Doucette, Gene Golgin, Jo Solet, Rena Kirsch, Bill Zamparelli, Eversource, Amanda Cornwall and Joe Shannon, Crown Castle.

**Summary:** Ms. Doucette is a technology safety expert regarding wireless technology. She spoke on behalf of a resident. She discussed studies that have been conducted showing this technology can cause many health problems. One study showed that base stations should not be placed within 300 meters to populations. Another discussed 5G can cause distinct harm due to wireless technology. A cell phone study in the US by the US Toxicology program disclosed they found clear evidence of cancer from the radiation emitted from all wireless devices. Ms. Doucette's report was submitted at the hearing.

Ms. Cornwall explained that this deployment is part of a larger project that has previously been approved. This is not for 5G, it is to collocate Sprint for 4G. They will be replacing the shrouds and antennas. The new shrouds allow for sound dampening. All emissions are within the limit set by the FCC.

Mr. Shannon explained that it is better to have a collocation at an existing site, rather than having individual sites on every pole. There will be limited change to the bottom of the pole.

Residents are concerned about the congestion on Emmons Place. The pole is on private property and juts out in to the fire lane. In addition, the pole is listing. They are opposed to Crown Castle siting it in this location. A question regarding proper notice at the time of the original installation was raised. The Board stated that they will investigate this.

**Decision:** Continued to obtain more information and to see if there was proper abutter notification.

**12. New Petition Crown Castle NG East LLC, 67 Sharp Street – Unit 5, Hingham, MA 02043**, for the following: **Emmons Place** - This Eligible Facilities Request involves an effort to collocate Transmission Equipment at an existing Base Station within a public right of way at **3 Emmons Place** (Lat:42.37699/-71.108865). 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. **VP #30741**

13. **New Petition Crown Castle NG East LLC, 67 Sharp Street – Unit 5, Hingham, MA 02043**, for the following: **Green Street** - This Eligible Facilities Request involves an effort to collocate Transmission Equipment at an existing Base Station within a public right of way at Utility Pole #44/23 on **521 Green Street** (Lat:42.36769/-71.109161). Pursuant to this Eligible Facilities Request, Crown Castle proposes to replace the existing shroud with a new 50"H x 30"W x 18"D shroud, and the existing 48" x 8.16" Ø antenna with a new 48" x 18" Ø antenna. **VP #30740**
  
14. **New Petition Crown Castle NG East LLC, 67 Sharp Street – Unit 5, Hingham, MA 02043**, for the following: **Ellery Street** - This Eligible Facilities Request involves an effort to collocate Transmission Equipment at an existing Base Station within a public right of way on a Utility Pole #227/24 on **Ellery Street near the corner of Ellery St. and Broadway** (Lat:42.37287/-71.10969). Pursuant to this Eligible Facilities Request, Crown Castle proposes to replace the existing shroud with a new 50"H x 30"W x 18"D shroud, and the existing 24" x 15" Ø antenna with a new 24" x 15" Ø antenna. **VP #30738**
  
15. **New Petition Crown Castle NG East LLC, 67 Sharp Street – Unit 5, Hingham, MA 02043**, for the following: **Acorn Street** - This Eligible Facilities Request involves an effort to collocate Transmission Equipment at an existing Base Station within a public right of way on a Utility Pole on **Acorn Street near corner of Acorn and Putnam**, between the properties of **9 Acorn and 515 Putnam Avenue** (Lat:42.357815/-71.108876). Pursuant to this Eligible Facilities Request, Crown Castle proposes to replace the existing shroud with a new 50"H x 30"W x 18"D shroud, and the existing 24" x 15" Ø antenna with a new 24" x 15" Ø antenna. **VP #30737**
  
16. **New Petition Crown Castle NG East LLC, 67 Sharp Street – Unit 5, Hingham, MA 02043**, for the following: **Tufts Street** - This Eligible Facilities Request involves an effort to collocate Transmission Equipment at an existing Base Station within a public right of way at Utility Pole #7 on **Tufts Street between 14-20 Tufts Street** (Lat:42.35733/-71.11135). Pursuant to this Eligible Facilities Request, Crown Castle proposes to replace the existing shroud with a new 50"H x 30"W x 18"D shroud, and the existing 48" x 8.16" Ø antenna with a new 48" x 18" Ø antenna. **VP #30735**
  
17. **Continuation from November 15, 2018, for clarification from the City Solicitor. Exenet Systems, Inc, 100 Apollo Drive, Suite 303, Chelmsford, MA 01824**, for the following: **57 Gorham Street** - Attach small cell antenna shroud just above top of the pole; attach radio shroud approximately 13.5' above the ground and connect to existing power supply. Third party vendor to bring fiber to the pole. **VP #25038**

Taken off agenda prior to meeting at request of the applicant.

18. **New Petition Verizon New England, 385 Myles Standish Boulevard, Taunton, MA 02780**, for the following: **Broadway** - Place 290' of 1-4" conduit from existing manhole MH26/83 on **Broadway** to property line at **145 Broadway**, and place 82' of 1-4" conduit from existing manhole MH26/521 on **Galileo Galilei Way** to property line at **145 Broadway** for purpose of providing fiber optic services. **VP #31092**

**Present:** Ross Bilodeau, Verizon E.

**Summary:** This is on the Galileo Galilei Way side of the project.

**Decision:** Approved (2-0); typical conditions and coordination with DPW.

- 19. Continuation from November 15, 2018, to see if they can go in the sidewalk and to submit a new plan. Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: **Broadway** – Easterly from MHC2348, thence turning northerly, a distance of about 221 feet – conduit. This work is necessary to supply electrical service to **55 Broadway** (W.O. #2258391). **VP #25568****

**Present:** Jackie Duffy and Kelly Correia, Eversource and Sam Morelly, Mitimco.

**Summary:** This petition had been continued as the route had to be redesigned. The duct bank Mitimco has to install has to be located in the driveway. There are security bollards in the path, making installation too difficult. Therefore, the conduit path had to be made longer.

**Decision:** Approved (2-0) with typical conditions and coordination with DPW. A letter to the Commissioner of Public Works will be necessary if work is to be done before the moratorium ends.

Petitions 20 and 21 were considered together as they are interrelated.

- 20. Continuation from November 15, 2018, for proper abutter notification. Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: **Putnam Avenue** – At and westerly at the intersection of Sidney Street, a distance of about 2,448 feet – conduit and install 6 new manholes:**

MHC 30622, MHC 30623, MHC 30624,  
MHC 30625, MHC 30626, MHC 30627

This work is necessary to supply power to 50 & 60 Albany Street and MIT, Kendall Square, Site 3

**Sidney Street**- At northeasterly from MHC 28402, MHC,28403 < MHC 28404 thence turning on Erie Street, a distance of about 907 feet - conduit.

**Erie Street** - Southeasterly from MHC30629, a distance of 305 feet - conduit.

**Albany Street** - Easterly from MHC 30634 ,30635 thence turning at the intersection of Massachusetts Avenue a distance of about 681 feet - conduit. This work is necessary to supply power to 50 & 60 Albany Street, MIT, Kendall Square, and Site 3 (W.O. #2235678 & 2247723). **VP #24977**

**Present:** Eric Serveis, Matt Veens, Tracey McDevett and Jackie Duffy, Eversource, Charles Studen, resident, Gary Amberg, Redgate and Mitimco, Don Grossman, resident.

**Summary:** Residents are concerned about the project not being coordinated properly. The issue of abutter notification was corrected. However, Mr. Studen said he had not received notice. He

would like to see the overhead utility lines put underground. The duct bank being placed underground is on private property. Cost of placing lines underground would be on the residents. There would have to be additional manholes placed on the street as well as transformers. It is unknown if they could fit in the street as there also power, gas and water lines.

The MWRA permit was submitted. All 6 manholes coming out of Putnam Station have been installed.

**Decision:** Putnam Avenue section of project is approved (2-0). The second section is continued for documentation from MIT for Waverly Path and Purrington Street. Must coordinate with DPW. They may start doing test pits.

**21) Continuation from December 20, 2018, for proper abutter notification. Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: Sidney Street - Northeasterly from Putnam Avenue thence turning southeasterly on Erie Street, a distance of about 740 feet - conduit. Install one new Manhole 30628.**

**Erie Street -Southeasterly from Sidney Street, thence turning northeasterly on Waverly Path, a distance of 305 feet of conduit turning northeasterly on Waverly Path. Install one new Manhole 30629.**

**Waverly Path - Northeasterly from Erie Street to Pacific Street, approximately 900 feet of conduit.**

Install one new Manhole 30630.

Install one new Manhole 30631.

Install one new Manhole 30632.

**Pacific Street - Northeasterly from Waverly Path to Purrington Street, a distance of 45 feet of conduit.**

**Albany Street - Easterly from Cross Street thence turning south at the intersection of Massachusetts Avenue, a distance of about 681 feet - conduit. Install one new Manhole 30635.**

**Massachusetts Avenue - Southeasterly from Albany Street, a distance of approximately 50 feet of conduit. This work is necessary to supply power to 50 & 60 Albany Street and MIT, Kendall Square, Site 3 (W.O. #2235678 & 2247723). VP #29131**

**22. Continuation from December 20, 2018. They have not heard from the other utilities. Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: Columbia Street - Beginning approximately 397' northeast of Webster Avenue at P#166/79 and heading southwesterly across street, a distance of approximately 80 feet - conduit.**

**This work is necessary to supply power to 305 Webster Avenue (W.O. #2236265). VP #28745**

**Present:** Jackie Duffy, Eversource.

**Summary:** The situation with the other utilities has been resolved. They have to coordinate with Crown Castle as they have equipment on the pole.

**Decision:** Approved (2-0) with typical conditions and coordination with DPW.

**23) Continuation from December 20, 2018, for meetings with DPW and review of duct bank and possible installation of new manhole. Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: Cardinal Medeiros Avenue - Southeasterly from MHC3276 approximately 59 feet south of Binney Street, a distance of approximately 131 feet - conduit. This work is necessary to supply power to 1 Kendall Square (W.O. #2251314-01). VP #28304**

**Present:** Jackie Duffy, Eversource, Dick Akins, Contractor and Terry Colosco, Bristol Engineering.

**Summary:** This was originally going to go down the sidewalk but was redesigned. The MWRA permit was applied for but has not been received. There is no spare conduit in the sidewalk.

**Decision:** Approved (2-0) pending MWRA permit, typical conditions and a letter from the Commissioner of Public Works if the work is to be done during the moratorium.

**24) Continuation from December 20, 2018, to check the condition of the existing conduit and why they are replacing the underground source. Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: Plympton Street - Easterly from MHC2757 approximately 72 feet southeasterly of Massachusetts Avenue, a distance of approximately 8 feet - conduit. This work is necessary to supply power to 8 Plympton Street (W.O. #2289146). VP #28292**

**Present:** Jackie Duffy, Eversource and Brendan Nelson, North Star Real Estate Services, represents owner.

**Summary:** The original conduit is leaking in to the electrical unit. They have to dig in the street to get at the manhole. There will have to be mitigation as Plympton is a guaranteed street. It is possible that they will be able to go down the edge of the street by the sidewalk.

**Decision:** Approved (2-0) with typical conditions, site meeting, coordination with DPW and a letter from the Commissioner of Public Works if the work is to be done during the moratorium.

**25) New Petition Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: Memorial Drive - Easterly from MCH 796, approximately 369 feet west of Memorial Drive to install approximately 378 feet of conduit (W.O. #2264694). VP #30429**

**Present:** Jackie Duffy, Eversource.

**Summary:** This is an antenna node for Lighttower. The Board asked Eversource to see if there is another route so as not to dig all the way down Main Street.

**Decision:** Continued (2-0).

**26) New Petition Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: Albany Street - At, and southwesterly from MHC 22, at the intersection of Massachusetts Avenue, install approximately 326 feet—conduit (W.O #2263908). VP #30626**

**Present:** Jackie Duffy, Eversource.

**Summary:** This is an antenna node for Lighttower. The Board believes there is already a node there as well as an existing duct bank.

**Decision:** Continued (2-0) for clarification.

**27) New Petition Nstar Electric Company, 10 Linwood Street, Somerville, MA 02143, for the following: Camp Street - Northeastly from Pole 118/4, approximately 207 feet southwest of Seven Pines Avenue to install approximately 18 feet—conduit (W.O. #30618). VP #30618**

**Present:** Jackie Duffy, Eversource.

**Summary:** This is for an electric vehicle charging station. There will be a conversion station on private property. The City has a 4X4 box drain that runs the length of Camp Street. This should be on the plan. There is also a tree. They have to be three feet away from it.

**Decision:** Continued (2-0) for clarification.

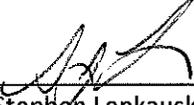
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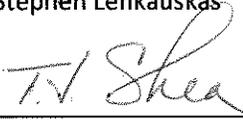
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Board Voted: MAR 21 2019

  
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Nicole Murati Ferrer, Chair

Date Minutes Posted: MAR 21 2019

  
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Stephen Lenkauskas

  
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T.J. Shea