



LICENSE AGREEMENT

By and between

LIGHTOWER FIBER NETWORKS I, LLC

and

THE CITY OF BOSTON

March 21, 2017

LICENSE AGREEMENT

THIS LICENSE AGREEMENT (this "*Agreement*") is made and entered into as of March 22, 2017 (the "*Effective Date*") by and between the City of Boston, Massachusetts, a municipal corporation (the "*City*"), and Lightower Fiber Networks I, LLC., a Delaware limited liability company with its principal place of business at 80 Central Street, Boxborough, Massachusetts 01719 ("*Licensee*") (individually each a "*Party*" or together the "*Parties*").

RECITALS

WHEREAS:

- The City owns and maintains within the Public Rights-of-Way (defined below) and on other City-owned Property (defined below), light poles, traffic signals, street furniture and other infrastructure, some of which is potentially suitable for the attachment of antennas and other equipment and cabling used in the provision of wireless communications services;
- Licensee is a Neutral Host Provider, and desires to install, operate, maintain, repair, replace, reattach, reinstall, relocate, and remove its Wireless Facilities (defined below) for small cell networks or outdoor distributed antenna systems ("*DAS*") in the City's Public Rights-of-Way or on other City-owned Property to provide better telecommunications coverage and meet increased demand for its services, such Wireless Facilities to be used by Licensee's Wireless Service Provider customers to provide Wireless Services;
- Licensee shall compensate the City in exchange for a right to use and physically occupy City-owned poles and other City-owned infrastructure within the Public Rights-of-Way and on other City-owned Property; and
- The City is willing to allow Licensee's non-exclusive use at approved locations, subject to the terms and conditions set forth herein.

NOW THEREFORE, In consideration of the promises and mutual covenants set forth in this Agreement, the City and Licensee agree as follows:

1 DEFINITIONS

Terms shall have meanings as defined in the list below or as first used and defined in this Agreement, as applicable.

1.1. "*Agency*" means any governmental agency other than those of the City, including, but not limited to, the Federal Communications Commission (FCC) the Commonwealth of Massachusetts Department of Telecommunications and Cable and the Commonwealth of Massachusetts Department of Public Utilities.

1.2. "*Approved Wireless Facility(ies)*" means Wireless Facilities which have been approved for installation by the City and PIC in either of the following ways: (a) pursuant to Section 3.8 below and listed on Schedule X, or (b) pursuant to Section 3.2.5 below.

1.3. "**Business Day**" means any Day other than a Saturday, Sunday, or Day observed as an official holiday by the City.

1.4. "**Carrier**" means a Wireless Service Provider or other provider of Wireless Services authorized by Licensee to use the Wireless Facilities.

1.5. "**City Poles**" means City-owned poles such as street light poles or traffic light poles, and street furniture owned by the City and located in the Public Rights-of-Way and may refer to such facilities in the singular or plural, as appropriate to the context in which used. It is contemplated that City Poles used for the attachment of Wireless Facilities pursuant to this Agreement may, as appropriate given the existing pole's condition and other circumstances, be installed by and at the expense of Licensee, as replacements for existing City Poles, or as new City Poles at locations where there is no suitable existing City Pole or Non-City Pole, with such replacement or new City Poles owned by the City. The location of any such new City Pole that is not a replacement of an existing City Pole shall be subject to the grant of location approval process set forth in Section 3.2.5 below. The attachment of a Wireless Facility shall not: (1) change the primary purpose of the City Pole, which shall remain the purpose for which the City originally installed the City Pole; (2) cause the City Pole to be a "wireless tower or base station," within the meaning of Section 6409(a) of the Spectrum Act, 47 U.S.C. § 1455; or (3) extend the jurisdiction of any Agency over such City Pole, which did not have such jurisdiction over such City Pole prior to the attachment of a Wireless Facility to the City Pole.

1.6. "**City Property Poles**" means City-owned poles such as street light poles or traffic light poles, and street furniture owned by the City and located outside of the Public Rights-of-Way on property which is owned, or is otherwise controlled through easement or lease, by the City ("**City-owned Property**"), and may refer to such facilities in the singular or plural, as appropriate to the context in which used. It is contemplated that City Property Poles used for the attachment of Wireless Facilities pursuant to this Agreement may, as appropriate given the existing pole's condition and other circumstances, be installed by and at the expense of Licensee, as replacements for existing City Property Poles, or as new City Property Poles, with such replacement or new City Property Poles owned by the City. The location of any such new City Property Pole that is not a replacement of an existing City Property Pole shall be subject to the approval of the City. The attachment of a Wireless Facility shall not: (1) change the primary purpose of the City Property Pole, which shall remain the purpose for which the City originally installed the City Property Pole; (2) cause the City Property Pole to be a "wireless tower or base station," within the meaning of Section 6409(a) of the Spectrum Act, 47 U.S.C. § 1455; or (3) extend the jurisdiction of any Agency over such City Property Pole, which did not have such jurisdiction over such City Property Pole prior to the attachment of a Wireless Facility to the City Property Pole.

1.7. "**Commissioner**" means the Commissioner of Public Works, including in his or her capacity as Chair of the City of Boston's PIC, or the Commissioner's designee.

1.8. "**Day**" means any calendar day, unless a Business Day is specified. For the purpose hereof, if the time in which an act is to be performed falls on a Day other than a Business Day, the time for performance shall be extended to the following Business Day. For

the purpose hereof, the time in which an act is to be performed shall be computed by excluding the first Day and including the last.

1.9. "**DoIT**" means the City's Department of Innovation and Technology.

1.10. "**FCC**" means the Federal Communications Commission.

1.11. "**Gross Revenue**" means the gross dollar amount of any and all revenue derived directly or indirectly by Licensee or its affiliates, subsidiaries, parent companies, holding companies, or any person in who Licensee has a financial interest, proceeding or accruing from the operation of Wireless Facilities within the City of Boston.

1.12. "**Hazardous Material**" means any substance, waste or material which, because of its quantity, concentration or physical or chemical characteristics is deemed by any federal, state, or local governmental authority to pose a present or potential hazard to human health or safety or to the environment.

1.13. "**Interference**" in the context of spectrum licensed by the Federal Communications Commission refers to material adverse effects resulting from transmitting outside of the licensed spectrum or otherwise in violation of the authority granted by the license of the party alleged to be causing the Interference. In the context of unlicensed spectrum it means the material adverse effect of unwanted energy due to one or a combination of emissions, radiations, or inductions upon reception in a pre-existing radio communication system, manifested by any material performance degradation, misinterpretation, or loss of information which could be extracted in the absence of such unwanted energy.

1.14. "**Law**" or "**Laws**" means any federal, state or local statute, ordinance, resolution, regulation, rule, tariff, administrative order, certificate, order, or other requirement in effect either at the time of execution of this Agreement or at any time during the period of this Agreement, including, without limitation, any lawful regulation or order of an official entity or body, to the extent applicable to the circumstances of and to the parties to this Agreement.

1.15. "**Person**" means an individual, a corporation, a partnership, a sole proprietorship, a joint venture, a business trust, or any other form of business association or government agency.

1.16. "**Neutral Host Provider**" means an owner of Wireless Facilities that sells or leases the use of its Wireless Facilities to authorized Carriers.

1.17. "**Non-City Poles**" means new or existing poles owned by private parties located in the Public Rights-of-Way or on other City-owned Property and may refer to such facilities in the singular or plural, as appropriate to the context in which used. The attachment of a Wireless Facility to a Non-City Pole shall not extend the jurisdiction of any Agency over such Non-City Pole, which did not have such jurisdiction over such Non-City Pole prior to the attachment of a Wireless Facility to the Non-City Pole.

1.18. "**PIC**" means the City of Boston Public Improvement Commission.

1.19. "**Public Rights-of-Way**" means the area in, upon, above, along, across, under, and over the public streets, sidewalks, roads, lanes, courts, ways, alleys, boulevards, and places within the City as the same now or may hereafter exist and which are under the permitting jurisdiction of the Department of Public Works.

1.20. "**Release**" when used with respect to Hazardous Material means any actual or imminent spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into or inside any existing improvements or any improvements constructed hereunder by or on behalf of Licensee.

1.21. "**Wireless Facility(ies)**" means the antennas, fiber optic and power cables and connections, remote radioheads, brackets, devices, junction boxes, conduits, meters, and all other related equipment deployed or to be deployed by Licensee, and includes without limitation Approved Wireless Facilities. (With reference to Section 4.1 and Exhibit Y only, the term Wireless Facilities also encompasses similar facilities deployed or to be deployed by other wireless telecommunications providers.) .

1.22. "**Wireless Services**" or "**Services**" means wireless services provided in the City of Boston by Licensee's Wireless Service Provider customers to the customers of such Wireless Service Provider, which may encompass, in Licensee's sole discretion, any and all wireless services, of whatever nature, that such Wireless Service provider is authorized to provide under its FCC licenses for uses of the licensed electromagnetic spectrum, as well as Wi-Fi service provided using unlicensed spectrum. It also includes other services that Licensee may provide using unlicensed spectrum, in accordance with Section 3.6 of this Agreement. This Agreement does not constitute a license to provide cable service as defined in Section 602 of the Communications Act of 1934, as amended, 47 U.S.C. § 522(6), within the meaning of G.L. c. 166A.

1.23. "**Wireless Services Provider**" means a company that provides Wireless Services in the City.

2 TERM OF AGREEMENT

2.1. The term of this Agreement is a period of ten (10) years (the "**Initial Term**"), commencing on the date of execution by both Parties (the "**Term Commencement Date**"). The Agreement shall automatically renew for an additional period of ten (10) years (a "**Renewal Term**") commencing upon the expiration of the Initial Term unless both Parties agree in writing to not renew this Agreement. The Renewal Term will be on the same terms and conditions set forth in this Agreement, subject to the negotiation at the time of renewal of competitively neutral, mutually acceptable price terms and conditions, which may, if the Parties agree, include further resets to the Attachment Fees.

3 GRANT OF PERMISSION; SCOPE OF AGREEMENT

3.1. During the term of this Agreement, the City hereby grants Licensee the right to enter and to use the Right-of-Way to attach, install, construct, operate, lease, maintain, repair, replace, reattach, reinstall, relocate, and remove Approved Wireless Facilities for use in DAS, small cell facilities, and any and all other applications and configurations to deliver its Services:

3.1.1. on City Poles or on City Property Poles;

3.1.2. on City-owned infrastructure (such as bridge abutments, retaining walls, overpasses, arcades, buildings) in the Public Rights-of-Way or on City-owned Property;

3.1.3. on Non-City Poles;

The right to install Approved Wireless Facilities (including City Poles) shall include the right to reasonable access to such facilities including but not limited to on foot and by vehicle, to connect such facilities to power and telecommunications service, to maintain such facilities, and to upgrade and modify such facilities, in accordance with this Agreement. Prior to installation of a Wireless Facility on a Non-City Pole in the Public Rights-of-Way or on City-owned Property, Licensee shall obtain approval for such installation upon such specific Non-City Pole from the owner of the pole and provide the Commissioner with written evidence of such approval.

3.2. **Location.**

3.2.1. The location and installation of any Approved Wireless Facility requires the approval of the Commissioner which approval shall not be unreasonably conditioned, withheld, or delayed, provided that the Commissioner may disapprove of a proposed location or installation based on material potential Interference with other pre-existing City communications facilities, or future City communications facilities that have already been designed and planned for a specific location or that have been reserved for future public safety communications facilities, the absence of Location Pre-Clearance as defined in Section 3.2.2, the absence of demonstrated compliance with the Competitively Neutral Notification Process set forth in Schedule Y when applicable, the public safety or other critical public service needs and, only in the case of an installation on or in City-owned Property, aesthetic impact or the absence of all necessary approvals from all necessary departments, authorities and Agencies with jurisdiction over such Property.

The Commissioner will make a good faith effort to complete the process of approving (or disapproving for one of the specified reasons) the location and installation of an Approved Wireless Facility within ten (10) Business Days of Licensee submitting a request for such approval with the supporting information required under this Agreement. The Commissioner may tentatively disapprove a request for a new location for a Wireless Facility if the Licensee is currently not in compliance with its obligations under Sections 3.3, 3.4, 3.5, 3.6, 3.7, 3.12, 3.15, 3.16, 6.1, 7.1, 7.5, 7.8, 8.4 or 8.6 of this Agreement. Furthermore, the Commissioner shall be authorized to adopt a policy imposing reasonable restrictions on the number of locations that Licensee can request within a certain period of time in order to ensure the City's administrative ability to efficiently review requests from multiple parties. Each approval by the Commissioner of the location and installation of an Approved Wireless Facility shall be reflected in a signed document delivered to Licensee.

3.2.2. Prior to requesting approval by the Commissioner of the location and installation of an Approved Wireless Facility on any City Pole, City Property Pole or City-owned infrastructure, Licensee shall obtain written approval of such location and installation from the

department or division of the City with responsibility over the pole or City-owned infrastructure ("**Location Pre-Clearance**").

3.2.3. Location Pre-Clearance of the location and installation of an Approved Wireless Facility:

3.2.3.1. on any street light pole shall be requested by Licensee from the City's Street Lighting Division;

3.2.3.2. on any traffic signal or walk light shall be requested by Licensee from the City's Transportation Department;

3.2.3.3. on any street furniture shall be requested by Licensee from the City's Property Management & Construction Department.

The City and Licensee shall work cooperatively to develop checklists to make the Location Pre-Clearance process efficient and predictable.

3.2.4. Prior to requesting approval by the Commissioner of the location and installation of the first Approved Wireless Facility in any neighborhood of the City under this Agreement, Licensee shall conduct reasonable neighborhood notification to inform the residents and businesses in the neighborhood of its plans to locate and install such facilities in that neighborhood and shall coordinate such neighborhood outreach with the City's Office of Neighborhood Services. Exhibit B to this Agreement is a map designating the distinct neighborhoods in the City for purposes of this Section.

3.2.5. In addition to the installation of Approved Wireless Facilities pursuant to this Agreement, Licensee may seek a separate grant of location from the PIC to install a new City Pole or new Non-City Pole for purposes of attaching an Approved Wireless Facility at a location within the Right-of-Way where there is no other suitable and available pre-existing City Pole, Non-City Pole, City Property Pole or other City-owned Infrastructure.

3.2.6. If the Licensee fails to complete the full installation of an Approved Wireless Facility within twelve (12) months from the date the Commissioner delivers the signed document reflecting such approval to Licensee, the approval for such location only shall expire and the Commissioner may grant approval for a different wireless facility at such location. However, the City, at its sole discretion and upon receipt of an extension request from Licensee prior to the expiration of the foregoing 12 month period, may extend such 12 month period for Licenses, if such extension request is for reasons due to the City.

3.3. Installation of Location Identifier. For each approved location, Licensee shall select a unique identifier, which shall include Licensee name (or abbreviation) and a unique reference number for the relevant Wireless Facility ("**Location Identifier**"). Licensee shall, immediately upon the installation of an Approved Wireless Facility pursuant to this Agreement, at its own expense affix upon the relevant City Pole, City Property Pole or City-owned infrastructure on which the Approved Wireless Facility is installed, a visible tag which shall include the Location Identifier. The size, form, method of installation and placement of the Location Identifier shall be prescribed by the City.

3.4. **Removal of Double Utility Pole.** If the installation of an Approved Wireless Facility results in the creation of a double utility pole, Licensee agrees that it will cooperate in good faith with the City in efforts to get the utilities and other companies having attachments on the original pole to relocate the attachments to the new pole so that the double utility pole can be eliminated as soon as practicable.

3.5. **Removal of Street Light Double Pole.** If Licensee temporarily installs a new street light pole adjacent or adjoining to an existing street City Pole or City Property Pole for purposes of installing a replacement pole on which a Wireless Facility is attached, then Licensee shall at its sole expense, remove the existing street City Pole or City Property Pole within thirty (30) days from Licensee's installation of the new street light pole. Licensee shall not install a new street light pole adjacent or adjoining to an existing street City Pole or City Property Pole for purposes of installing a replacement pole on which a Wireless Facility will be attached, until Licensee has first performed all work necessary to provide electrical power to both the Licensee's Wireless Facility and the City's equipment on the pole, including, but not limited to, any street light.

3.6. **Maintenance of Wireless Facilities.** During the term of this Agreement, Licensee shall, at its sole expense (1) maintain the Approved Wireless Facilities, (2) maintain, operate, and/or replace any fixtures, bulbs, lamps, or components on any City Pole, City Property Pole or City-owned infrastructure on which the Approved Wireless Facilities are installed, (3) maintain, clean and paint all such City Poles and City Property Poles; and (4) repair or replace any such City Poles or City Property Poles that are knocked down or damaged ("**Maintenance**"). Any replacement items pursuant to the foregoing shall be substantially the same as the originals. Maintenance shall be performed in accordance to standards set by the City, and failure to do so shall constitute a breach of this Agreement. In addition to other remedies provided by this Agreement, in the event that Licensee fails to maintain any City Pole, City Property Pole or City-owned infrastructure on which an Approved Wireless Facility is installed in accordance with City standards, the City shall have the option to perform work to remedy such failure and Licensee shall reimburse the City for its expenses.

3.7. **Map and List of Wireless Facilities.** Licensee shall maintain, in a form reasonably acceptable to the City, a current map and list of the location of all Wireless Facilities currently installed or under construction pursuant to this Agreement. Each Wireless Facility on the map shall include the associated Location Identifier. This map shall be available to the City via a password-protected URL or secure FTP site. The map shall also link to PDF files containing as-built engineering/construction drawings for all such Wireless Facilities.

3.8. **Permits and Approvals.**

3.8.1. Exhibit X is a Schedule of Approved Wireless Facilities for installation on specific types of City Poles, City Property Poles, Non-City Poles and City-owned infrastructure, and pre-approved designs for replacements of City Poles and City Property Poles ("**Schedule of Approved Wireless Facilities**"). In addition to the Approved Wireless Facilities included on Exhibit X as of the Term Commencement Date, designees of Licensee, the City and the PIC shall confer within the first four months after the Term Commencement Date, and then on or about each anniversary of the Term Commencement Date, and at such other times as Licensee may

request, to review Exhibit X and consider amendments to it. Any amendments to Exhibit X shall be by a written instrument signed by authorized representatives of Licensee, the City and the PIC. Any Wireless Facility installation design that has been, and remains, pre-approved for a type of mounting structure and location pursuant to any agreement between the City and another wireless provider shall automatically be included on Exhibit X as an Approved Wireless Facility for purposes of this Agreement. Exhibit X does not limit the authority of Commissioner to approve or disapprove the location and installation of any particular Approved Wireless Facility, pursuant to Section 3.2. To the extent that G.L. c. 166 is applicable to Wireless Facilities installed pursuant to this Agreement, PIC ratification of Exhibit X shall be deemed a grant of location as to Approved Wireless Facilities installed pursuant to this Agreement. Notwithstanding the foregoing, Licensee may, upon receiving prior written Consent of the City, file a request to the Commissioner for a review any Wireless Facility design not included on Exhibit X. Such review request may be approved or denied at the Commissioner's sole discretion.

3.9. Changes to Wireless Facilities. Licensee may upgrade, modify or replace any Wireless Facility it installs pursuant to this Agreement provided that either (a) it notifies the Commissioner of such proposed changes to its Wireless Facility and certifies that: (1) after such upgrade, modification or replacement that the Wireless Facility shall be an Approved Wireless Facility; (2) such changes will not impact the structural integrity of the pole or infrastructure on which the Wireless Facility is located, and (3) such changes will not interfere with the use of the pole or infrastructure by the City, or by any other party authorized to use or maintain equipment on the pole or infrastructure; or (b) if the modification or replacement does not qualify under Section 3.9(a), it obtains PIC or other necessary approvals for such modification or replacement. Modifications, upgrades and replacements that are the subject of notice given under Section 3.9(a) are deemed approved by the Commissioner unless, within ten (10) Business Days of receiving notice, the Commissioner notifies Licensee in writing that the changes are conditionally approved or disapproved for one of the reasons enumerated in Section 3.2.1 above

3.10. Provision of Services. The Wireless Facilities installed pursuant to this Agreement may be used for any and all Services that Licensee chooses to provide, in its sole discretion. Upon request, Licensee will meet with DoIT to describe all Services it is providing through its Wireless Facilities within the City. If Licensee intends to provide Services using unlicensed spectrum, other than Wi-Fi, it will notify the City in advance of deploying those Services and will work with the City to address any Interference issues before deploying those Services from any City Pole or any City Property Pole.

3.11. Utilities; Emergency Power.

3.11.1. With respect to Approved Wireless Facilities attached to traffic light poles, Licensee shall pay any charges to install and separately pay for electrical, telecommunications or other utility services to Licensee's Wireless Facilities and shall pay all charges imposed by such utility providers for utilities consumed by Licensee. The City shall reasonably cooperate with Licensee in making arrangements with the electric utility company to have the utility service used by Licensee separately paid for or otherwise accounted for and billed to a separate account payable by Licensee. Only meters that are Approved Wireless

Facilities, may be externally attached to any pole or infrastructure that are subject to this Agreement.

3.11.2. With respect to Approved Wireless Facilities attached to street light poles, Licensee shall: (1) pay to install electrical utility services to both the Licensee's Wireless Facilities and the City's street light, (2) pay all charges imposed by such utility provider for utilities consumed to power the Licensee Licensee's Wireless Facilities and the City's street light.

3.11.3. Licensee shall not connect any new Wireless Facilities installed on a new City Pole or City Property Pole, to any other structure via an aerial cable. If an existing City Pole or City Property Pole has a lighting fixture that is fed electricity by an aerial cable, then Licensee shall, at its own expense, connect such lighting fixture into the City's street lighting electrical service via underground conduit or cable.

3.11.4. Should the need arise during an emergency, for the use of temporary power generators for operation of Wireless Facilities installed pursuant to this Agreement, Licensee shall, prior to the use of the temporary power generators: (a) immediately provide written notice to the City indicating the need to use such power generators; (b) cooperate with the City to determine the locations at which the power generators will be placed; (c) apply for any applicable approvals and/or permits to use such power generators from applicable Agencies; and (d) ensure that the temporary use of emergency power generators shall comply with applicable Laws, including the receipt of any approvals and/or permits from applicable Agencies.

3.12. **Restoration of Work Site Areas.** Upon the completion of each task or phase of work to be performed by Licensee under this Agreement, Licensee shall promptly restore all work site areas to a condition reasonably satisfactory to the Commissioner and in accordance with construction standards as reasonably specified by the Commissioner, ordinary wear and tear not caused by Licensee excepted. The provisions of this Section shall survive the expiration, completion or earlier termination of this Agreement.

3.13. **Removal Upon Termination.** Except as otherwise provided in this Agreement, upon one hundred and eighty (180) Days' written notice by the City after the expiration of this Agreement or its earlier termination for cause, Licensee shall promptly, safely and carefully remove its Wireless Facilities installed pursuant to this Agreement from all City Poles, City Property Poles, and City-owned infrastructure located on Public Rights-of-Way or other City-owned Property, except to the extent that Licensee has other legal authorization, from the City, to maintain one or more such Wireless Facilities for a longer time. Such obligation of Licensee shall survive the expiration or earlier termination of this Agreement. If Licensee fails to complete this removal work on or before one hundred eighty (180) Days subsequent to the issuance of notice pursuant to this Section 3.13, then the City, upon written notice to Licensee, shall have the right at the City's sole election, but not the obligation, to perform this removal work using qualified contractors and reasonable care in the removal and handling of Licensee equipment, and charge Licensee for the actual costs and expenses, including, without limitation, reasonable administrative costs, provided that Licensee shall be allowed to continue its removal work beyond one hundred eighty (180) Days as long as, in the opinion of the City, Licensee is diligently pursuing such removal. Licensee shall pay to the City the reasonable costs and

expenses incurred by the City in performing any removal work and any storage of Licensee's property after removal, within thirty (30) Business Days of the date of a written demand for this payment from the City. The City may, in its discretion, obtain reimbursement for the above by making a claim Licensee's performance bond. After the City receives the reimbursement payment from Licensee for the removal work performed by the City, the City shall promptly return to Licensee the property belonging to Licensee and removed by the City pursuant to this Section 3.13, at no liability to the City. If the City does not receive the reimbursement payment from Licensee within such thirty (30) Business Days, or if the City does not elect to remove such items at the City's cost after Licensee fails to do so prior to one hundred eighty (180) Days subsequent to the issuance of notice pursuant to this Section 3.13, any Licensee' property installed pursuant to this Agreement remaining on or about the Public Rights-of-Way or stored by the City after the City's removal thereof may, at the City's option, be deemed abandoned and the City may dispose of such property in any manner allowed by Law. Alternatively, the City may elect to take title to abandoned property, provided that Licensee shall submit to the City an instrument satisfactory to the City transferring to the City the ownership of such property. The provisions of this Section shall survive the expiration or earlier termination of this Agreement.

3.14. Risk of Loss or Damage. Licensee acknowledges and agrees that the City shall not be liable for any cost of repair to Licensee' equipment and materials installed in the Public Rights-of-Way pursuant to this Agreement, including, without limitation, damage caused by the City's removal of such pursuant to Section 3.13, except to the extent that such loss or damage was caused by the negligence, gross negligence, or willful misconduct of the City, including without limitation, each of its commissions, departments, officers, agents, employees and contractors.

3.15. Removal or Relocation of Wireless Facilities at City's Request. Licensee understands and acknowledges that the City, at any time and from time to time, may require Licensee to remove or relocate all or a portion of a Wireless Facility located on a City Pole, City Property Pole or other City infrastructure, at Licensee' expense, on ninety (90) Days' notice upon a written request from the City, if the City determines, in its reasonable discretion, that the removal or relocation is needed to facilitate or accommodate the construction, completion, repair, or relocation or maintenance of a City project or City facility, or because the particular Wireless Facility interferes with or adversely affects proper operation of the light poles, traffic signals, or City-owned communications systems in existence at the time the Wireless Facility is first installed, or because there is damage to the City Pole or City Property Pole or City-owned infrastructure on which the Wireless Facility is located, or because of a sale or vacation of the Right of Way, or a change in the City's use of the Right of Way that affects all Licensees, or for other good cause to preserve public health and safety, provided, however, that the City may provide shorter advance notice if circumstances reasonably require expedited or emergency removal or relocation of a particular Wireless Facility. The City shall work with Licensee to accommodate the Wireless Facility at another reasonably equivalent location or locations on the same or another City Pole, City Property Pole, Non-City Pole or City-owned infrastructure nearby within the Public Rights-of-Way or on City-owned Property. Licensee shall at its own cost and expense remove and relocate the Wireless Facility, or any part thereof, to such other location or locations in such manner, as appropriate, as may be designated or approved, in writing and in advance, by the Commissioner. Such removal and relocation shall be completed

within the time prescribed by the Commissioner in his written request and in accordance with the terms of this Agreement, provided that such time shall be extended by the time needed to obtain any PIC or other regulatory approval required to relocate the Wireless Facility.

3.16. **Removal or Relocation of Wireless Facilities No Longer In Use.** Licensee shall remove any Wireless Facility, at Licensee' expense, within one hundred and twenty (120) Days after Licensee abandons the use of that Wireless Facility, provided that such time shall be extended by the time needed to obtain any regulatory approval required to remove the Wireless Facility.

3.17. **Right to Remove a Wireless Facility; Restoration.**

3.17.1. Licensee shall have the right, at any time, to remove any Wireless Facility it has installed pursuant to this Agreement, provided that it shall provide the Commissioner with notice at least ten (10) Days in advance, and shall coordinate with the Commissioner and City staff regarding the timing and logistics of the removal.

3.17.2. If Licensee removes or ceases operation of any Wireless Facility it has installed pursuant to this Agreement, it shall continue to pay the Annual Attachment Fee until such time as Licensee has, at its own expense, restored the City Pole or City Property Pole on which the removed Wireless Facility was located, to its original condition, which shall mean the original condition of the respective City Pole or City Property Pole prior to Licensee's installation of the Wireless Facility.

3.17.3. Upon removing a Wireless Facility and restoring the prior location in accordance with standards established in this Agreement, including but not limited to Sections 3.15, 3.16, 3.17.2, 8.1 and 11.0 herein, Licensee shall no longer be responsible for paying the annual Attachment Fee (as defined in Section 7.1) for that Wireless Facility.

4 PERMIT, LIMITATIONS AND RESTRICTIONS

4.1. **Limited Authorization.** Except as expressly provided, this Agreement does not authorize the placement of Wireless Facilities or any other equipment on City Poles, City Property Poles, Non-City Poles or City-owned infrastructure. The process that will apply to Licensee and other parties seeking to use and/or replace City Poles, City Property Poles, and other City-owned infrastructure for the attachment of Wireless Facilities shall include the procedure set forth in Exhibit Y. This Agreement does not relieve Licensee from seeking any necessary permission from other City departments or agencies which have jurisdiction over Licensee' proposed Wireless Facilities. The City agrees to implement procedures and policies to expedite, streamline and coordinate the review process for obtaining such permission. Among other means of streamlining review, Licensee may seek pre-approval by the PIC pursuant to Section 3.8.1, and by other City bodies with jurisdiction, of classes of Wireless Facilities and particular installation designs for use on specific types of structures, so that there does not need to be an individual review of the suitability of that design every time it is proposed. Licensee further acknowledges that it may install Wireless Facilities on historically or architecturally significant City Poles located on the public Rights-Of-Way only if and to the extent authorized in accordance with this Agreement. Exhibit A provides a map of architecturally or historically

significant areas subject to special historical or local control provisions, which will be addressed separately on Exhibit X. The inclusion of an installation design on Exhibit X will not exempt Licensee from having to obtain any necessary approval of particular Wireless Facilities by the landmark or architectural commissions with jurisdiction in each area on Exhibit A in which Licensee intends to use such installation design. Upon notice to Licensee, the City may update Exhibit A at any time to reflect current historical or local control areas, and the failure to include a district on Exhibit A does not relieve Licensee of the obligation to obtain separate landmark or architectural approval

4.2. **All Permitted Activities and Fees at Licensee's Sole Expense.** The construction, operation, maintenance, removal and replacement of Wireless Facilities and all other activities permitted under this Agreement, including those referenced under Agreement and all fees or obligations of Licensee under this Agreement, shall be Licensee's sole responsibility at its sole cost and expense.

4.3. **Permits.** Licensee shall obtain, at its sole expense, all applicable permits required by the City or any other Agency in accordance with applicable law and this Agreement to install Wireless Facilities on City Poles, City Property Poles, and other City-owned infrastructure located on the Public Rights-of-Way or other City-owned Property. In the interest of eliminating avoidable delay in the implementation of Licensee build-out pursuant to this Agreement, the City shall work with Licensee to establish procedures for expediting, streamlining and coordinating the review of proposed Wireless Facilities (whether subject to this Agreement or otherwise) by applicable City departments, offices and agencies. In furtherance of this effort, DoIT shall designate a single point of contact in DoIT to serve as a liaison and ombudsman to assist Licensee in identifying and resolving issues which arise during the permit and approval process for Wireless Facilities in the City. A complete list of all permits and approvals that may currently be required from the City and its agencies and departments for Licensee to install Wireless Facilities in the City under this Agreement, and otherwise, is attached as Exhibit Z. The permits or approvals that may be required by the City may change during the terms of this Agreement.

4.4. **No Real Property Interest Created.** Neither Licensee's use of the Public Rights-of-Way or other City-owned property, nor anything contained in this Agreement, shall be deemed to grant, convey, create, or vest in Licensee a real property interest in any portion of the Public Rights-of-Way or any other City property, including but not limited to, any fee, leasehold or easement interest in any land. All City owned property, including, but not limited to, City Poles and City Property Poles shall remain the property of the City. All installed Approved Wireless Facilities shall remain the property of Licensee. Licensee, on behalf of itself and any permitted successor, or assign, recognizes and understands that this Agreement may, subject to applicable Laws, create an interest subject to taxation and that Licensee, its successor, lessee or assign may be subject to the payment of such taxes.

4.5. **All Rights Nonexclusive.** Notwithstanding any other provision of this Agreement, any and all rights expressly or impliedly granted to Licensee under this Agreement shall be non-exclusive, and shall be subject and subordinate to (1) the City's right to use City Poles and City Property Poles for uses that do not materially interfere with Wireless Facilities installed pursuant to this Agreement, (2) the continuing right of the City to use, and to allow any

other Person or Persons to use, any and all parts of the Public Rights-of-Way, concurrently with any other Person or Persons entitled to do so, and (3) the public easement for streets and any and all other deeds, easements, dedications, conditions, covenants, restrictions, encumbrances and claims of title (collectively, "*Encumbrances*") which may affect the Public Rights-of-Way now or at any time during the term of this Agreement, including without limitation any Encumbrances granted, created or allowed by the City at any time, provided that any such Encumbrance granted after the date of this Agreement shall not interfere with Wireless Facilities installed pursuant to this Agreement, or with Licensee' rights to access, maintain, modify and use such Wireless Facilities in accordance with this Agreement.

4.6. Following execution of this Agreement, the City will request that the PIC adopt written administrative policies consistent with this Agreement. Licensee will have an opportunity to review and comment on those policies before they are adopted.

5 WAIVERS, INDEMNIFICATION AND INTERFERENCE

5.1. **Non-Liability of City Officials, Employees and Agents.** No elective or appointive board, commission, member, officer, employee or other agent of the City shall be personally liable to Licensee, its successors and assigns, in the event of any default or breach by the City or for any amount which may become due to Licensee, its successors and assigns, or for any obligation of the City under this Agreement.

5.2. **Obligation to Indemnify the City.** Except to the extent that any of such Claims results from the gross negligence or willful misconduct of the City, including without limitation each of its commissions, departments, officers, agents, employees and contractors, Licensee, its successors and assigns, shall hold harmless, defend, protect and indemnify the City, including, without limitation, each of its commissions, departments, officers, agents, employees and contractors, from and against any and all actions, losses, liabilities, expenses, claims, demands, injuries, damages, fines, penalties, costs, judgments or suits including, without limitation, reasonable attorneys' fees and costs (collectively, "*Claims*") of any kind arising directly or indirectly from: (i) any act by, omission by, or negligence of Licensee or its contractors or subcontractors, or its Carriers, or the officers, agents, or employees of any of them, while engaged in the performance of the work or conduct of the activities authorized by this Agreement, or resulting directly from the construction, installation, maintenance, replacement, removal or repair of the Wireless Facilities, (ii) any accident, damage, death or injury to any Licensee contractor, subcontractor, or its Carriers, or any officer, agent, or employee of either of them, while engaged in the performance of the work, or while conducting the activities authorized by this Agreement, or for any reason connected with the performance of the work or conduct of the activities authorized by this Agreement, or arising from liens or claims for services rendered or labor or materials furnished in or for the performance of the work authorized by this Agreement, (iii) any accident, damage, death or injury, to real or personal property and Person(s) that occurs in, upon or is in any way connected with the work or activities authorized by this Agreement to the extent caused by Licensee, (iv) any Release, or threatened Release, of any Hazardous Material occurring after the date of this Agreement, caused in whole or in part by Licensee in, under, on or about the property subject to this Agreement or into the environment, resulting directly or indirectly from the work or activities authorized by this Agreement but only to the extent that such Release or threatened Release was caused by

Licensee, and Licensee shall have no obligation with respect to any environmental concerns or conditions as may now or at any time hereafter be in existence unless such conditions are caused by Licensee and (v) any violation by Licensee of the terms and conditions hereof or any permit or approval issued by the Commissioner or any City department or Agency in connection with the Wireless Facilities or Services or pursuant hereto, or any misrepresentation made by Licensee in this Agreement or in any document given by Licensee in connection with this Agreement; and (vi) any claims that any Wireless Facility infringes a patent, copyright, trade secret, or other property right of a third party. Licensee agrees that the indemnification obligations assumed under this Section shall survive expiration or other termination of this Agreement.

5.3. No Liability for Damage, Death or Bodily Injury. Neither the City nor any of its commissions, departments, boards, officers, agents or employees shall be liable for any damage to the property of Licensee, its officers, agents, employees, contractors or subcontractors, or their employees, or for any bodily injury or death to such Persons, resulting or arising from the Wireless Facilities or activities authorized by this Agreement, the condition of any City property subject to this Agreement or Licensee' use of any City property, except to the extent caused by the City's gross negligence or willful misconduct.

5.4. Waiver of Claims regarding Fitness of Poles Located on Public Ways. Licensee acknowledges that the City has made no warranties or representations regarding the fitness, availability or suitability of any of poles or City-owned infrastructure for the installation of Wireless Facilities, or for any other activities permitted under this Agreement, and that, except as expressly provided in this Agreement, any performance of work or costs incurred by Licensee or provision of Services contemplated under this Agreement by Licensee is at Licensee' sole risk. Except as otherwise expressly provided in this Agreement, Licensee on behalf of itself and its successors and assigns, waives its right to recover from, and forever releases and discharges, the City and its agents, and their respective heirs, successors, administrators, personal representatives and assigns, from any and all Claims, whether direct or indirect, known or unknown, foreseen and unforeseen, that may arise on account of or in any way be connected with the physical or environmental condition of the poles located on Public Rights-of-Way, any City property affected by this Agreement, or any law or regulation applicable thereto. The City agrees: (i) to allow Licensee to investigate the location of a City Pole facility, and (ii) to work cooperatively with Licensee to facilitate the investigation of City-owned Property, under consideration for attachment of a Wireless Facility, for the possible presence of lead based paint, asbestos, or other hazardous substances (as that term may be defined under any applicable Laws), and the City shall facilitate such investigation as necessary.

5.5. Waiver of All Claims. Licensee acknowledges that the City may terminate this Agreement under certain limited circumstances, and in view of such fact Licensee expressly assumes the risk of making any expenditure in connection with this Agreement, even if such expenditures are substantial, and Licensee expressly assumes the risk of selling its Services which may be affected by the termination of this Agreement. Without limiting any indemnification obligations of Licensee or other waivers contained in this Agreement and as a material part of the consideration for this Agreement, Licensee fully RELEASES, WAIVES AND DISCHARGES forever any and all claims, demands, rights, and causes of action against, and covenants not to sue the City, its departments, commissions, officers. Commissioners and employees, and all Persons acting by, through or under each of them, under any present or future

Laws, including, but not limited to, any claim for inverse condemnation or the payment of just compensation under the law of eminent domain, or otherwise at equity, in the event that the City lawfully and justifiably exercises its right to terminate this Agreement for cause, in accordance with its terms. Notwithstanding anything to the contrary contained in this Agreement, Licensee does not intend to waive, and hereby specifically reserves, all rights at law or in equity to contest any termination by the City.

5.6. No Liability for Consequential or Incidental Damages. Licensee and the City each expressly acknowledges and agrees that neither of them will be liable for any consequential or incidental damages incurred by the other, including, but not limited to, lost profits and loss of good will, arising out of a lawful and justifiable termination of this Agreement in accordance with its terms, or the construction or operation of, or disruption to, one or more Wireless Facilities, or any other activities contemplated under this Agreement. Neither Party would be willing to enter into this Agreement in the absence of such waiver. Accordingly, without limiting any indemnification obligations of Licensee or other waivers contained in this Agreement, and as a material part of the consideration for this Agreement, Licensee and the City each fully RELEASES, WAIVES AND DISCHARGES the other forever from any and all claims, demands, rights, and causes of action for consequential and incidental damages (including without limitation, lost profits and loss of good will), and covenants not to sue the other Party or any Persons acting by, through or under that Party, for consequential or incidental damages arising out of this Agreement or the work and activities authorized hereunder regardless of the cause, and whether or not due to negligence or gross negligence of the other Party or its agents.

5.7. No Disruption. Licensee shall not unreasonably disrupt in any manner any public or private facilities existing now or in the future, including but not limited to sanitary sewers, water mains, storm drains, gas mains, poles, aerial and underground electric and telephone wires, electroliers, cable television, telecommunications facilities, utility, and municipal property, without the express written approval of the owner or owners of the affected property or properties, except as permitted by applicable Laws or this Agreement. Licensee shall be responsible for repair and restoration of any damage to facilities belonging to the City, to the extent that Licensee causes disruption resulting in such damage. The City agrees to include an equivalent provision in all similar agreements the City may enter into with others after the date of this Agreement.

5.8. Interference.

5.8.1. Licensee agrees to install equipment and provide Services of the type and frequency which will not cause Interference to any equipment of the City which existed prior to the date this Agreement is executed by the Parties. In the event any after-installed Licensee's equipment or Services causes Interference, and after the City has notified Licensee in writing of such Interference, Licensee will take all commercially reasonable steps necessary to correct and eliminate the Interference, including but not limited to, at Licensee's option, powering down such equipment and later powering up such equipment for intermittent testing. If the Interference issue is determined to be caused by Licensee and more than ninety (90) Days have elapsed from the date the City gave notice of such Interference issue, the City may require Licensee to discontinue

use of the equipment causing the Interference issue. In no event will the City be entitled to terminate this Agreement for reasons related to Interference.

5.8.2. The City agrees that it will install only such equipment that is of the type and frequency which will not cause Interference to the then existing equipment of Licensee.

5.8.3. In the event that the City notifies Licensee of its belief that Licensee's equipment or Services are creating Interference to new or existing public safety communications systems at one or more particular locations, Licensee shall work with the City to promptly investigate and resolve such Interference issue. If after investigation the City reasonably determines that the Interference is being caused by Licensee's equipment, the City will make Licensee aware of the basis for that determination and Licensee will take such measures as are necessary to eliminate such Interference, up to and including the relocation or replacement of Licensee's equipment or modification of its Services determined to cause such interference, with all costs and expenses related thereto to be borne by Licensee.

Notwithstanding anything in this Agreement to the contrary, it is expressly agreed that, if any of Licensee's equipment causes Interference that the City reasonably believes could significantly interfere with the City's public safety communications, Licensee shall, upon written request from the City, immediately suspend the operation of the particular equipment at the particular location(s) in question, and be responsible for coordinating and resolving the Interference within forty-eight (48) hours of receipt of notification from the City. If the Interference cannot be resolved within the 48-hour period, and if Licensee cannot show that it is not the cause of the Interference, Licensee shall power down or turn off any equipment causing the Interference, and cease the operations of its equipment until the Interference problems are fully resolved. In the event Licensee fails to timely cease operations and/or eliminate the Interference within such 48-hour period, the City and Licensee will promptly work together to temporarily discontinue the electricity supplied to such equipment, for the purpose of determining the source of the Interference.

5.9. Notwithstanding anything in this Agreement to the contrary, it is expressly agreed and understood that, if any of Licensee's equipment or Services causes Interference with any systems impacting the City's emergency preparedness, law enforcement activities or other urgent public safety obligations, the City may take any and all such steps as it is empowered to take under its police power authority, which may include immediately discontinuing the electricity supplied to such equipment, until such Interference problems are resolved. To the extent feasible, the City agrees to give Licensee verbal notice prior to undertaking any action under this Section that will result in cutting off power to a Licensee Wireless Facility or otherwise preventing Licensee from operating any Services from one or more Wireless Facilities in the City.

5.10. The Parties acknowledge that there will not be an adequate remedy at law for noncompliance with the provisions of Sections 5.8 through 5.9 and therefore, either Party shall have the right to equitable remedies, such as, without limitation, injunctive relief and specific performance.

6 INSURANCE

6.1. **Amounts and Coverages.** Licensee will maintain in force, during the full term of this Agreement, occurrence form of insurance in the following amounts and coverages:

6.1.1. Workers' Compensation Insurance as required from under General Laws c.152 (the Workmen's Compensation Law) and including employer's liability limits of one million (\$1,000,000) per accident and per employee, including disease.

6.1.2. Commercial General Liability Insurance for Bodily Injury and Property Damage, on an Occurrence Form, including Premises/Operation, Products/Completed Operations Liability, Contractual Liability, and Personal and Advertising Injury with a limit of five million dollars (\$5,000,000) per occurrence for bodily injury and property damage and five million dollars (\$5,000,000) annual general aggregate.

6.1.3. Business Automobile Liability Insurance with limits not less than two million dollars (\$2,000,000) each accident Combined Single Limit for Bodily Injury and Property Damage.

6.1.4. Umbrella Liability Insurance in excess of Commercial General Liability and Business Auto Liability Insurance for five million (\$5,000,000) each occurrence.

6.2. **Required Provisions.** Commercial General Liability and Automobile Liability Insurance shall provide for the following:

6.2.1. Include as additional insureds the City of Boston, its officers, and employees as their interests may appear under this Agreement, excluding workers' compensation and employer's liability.

6.2.2. That such policies are primary insurance to any other insurance available to the additional insureds, with respect to any claims arising out of this Agreement.

6.3. **Advance Notice of Cancellation.** Licensee shall provide the City with thirty (30) Days advance notice of cancellation to the following address:

City of Boston
Department of Innovation and Technology
City Hall Room 703
Boston, MA 02201
Attn: Mike Lynch

6.4. **Receipt of Certificates of Insurance.** Certificates of insurance, on Acord Form 25, evidencing all insurance coverages listed above, shall be furnished to the City before commencing any operations under this Agreement. Complete copies of policies may be reviewed at a Licensee office in Boston, at reasonable times, upon request. Renewal certificates shall be furnished to the City no later than thirty (30) Days prior to expiration of the preceding policy.

6.5. All policies shall be issued by insurance companies licensed, authorized or permitted to write such insurance in their domicile state and in the Commonwealth of

Massachusetts, and will have a current rating provided by "Best's Insurance Reports" of A- VII or above. Waiver of Subrogation will be included as respects all insurance coverages listed above in favor of the City. The Workers' Compensation Insurance Policy must be specifically endorsed and noted as such in the required certificate.

6.6. Failure of Licensee to provide and continue to enforce such insurance shall be deemed a material breach of contract, and grounds for termination of this Agreement. These requirements shall not be construed to limit the liability of Licensee or its insurers.

7 LICENSE FEES, RECORDS AND SECURITY DEPOSIT

In connection with the work to be performed and activities to be conducted by Licensee under this Agreement, Licensee shall be compensated pursuant to the compensation as set forth below:

7.1. Attachment Fees.

7.1.1. In order to compensate the City for Licensee' entry upon and deployment on City Poles, and other City-owned infrastructure within the Public Rights-of-Way, Licensee shall pay to the City, on an annual basis, the amount of \$500.00 per City Pole, City Property Pole, Non-City Pole, or City-owned infrastructure on which Licensee places Approved Wireless Facilities plus five (5%) percent of Licensee's Gross Revenue. The compensation to be paid to the City by Licensee under this Article 7 is referred to as the ("**Attachment Fee**"). The compensation paid by Licensee's entry upon and deployment of Wireless Facilities on City Property Poles and other City-owned infrastructure on City-owned Property, those not located in the Public Rights-of-Way, shall be negotiated between the Parties on a case by case basis. In the event the Parties are unable to agree on such compensation, Licensee acknowledges that it will not be able to deploy such Wireless Facilities.

7.1.2. The annual per-Approved Wireless Facility component of the Attachment Fee amount will be increased by one and one-half percent (1.5%) on January 1, 2018, and by an additional one and one-half percent (1.5%) on the first day of each subsequent year that this Agreement remains in effect.

7.1.3. The initial payment for each Wireless Facility shall be due on the Day that is (i) the first Business Day of the month and (ii) occurs at least 60 Days after Licensee commences construction of that Wireless Facility. The initial payment for each Wireless Facility shall be in the amount of the Attachment Fee then in effect, multiplied by a fraction in which the numerator is equal to the number of full months remaining in the calendar year after the date that such construction commences, and the denominator is twelve (12). Thereafter, annual payment for each Wireless Facility that is under construction or in use shall be due on or before January 1st of each year. Each payment of Attachment Fees will be accompanied by an accounting by Licensee, in a form reasonably satisfactory to the City, setting forth Licensee' calculation of Attachment Fees due to the City.

7.1.4. Licensee' obligation to pay the annual Attachment Fee for a Wireless Facility that is removed as provided in Sections 3.15, 3.16, or 5.8.3 and subject to the conditions

under Section 3.17, shall cease on the date that it removes that Wireless Facility from the City Pole, City Property Pole, or other City-owned infrastructure and restores the property pursuant to this Agreement ("**Removal Date**"). If on the Removal Date, Licensee has already paid the annual Attachment Fee for that Wireless Facility, the City shall credit a prorated amount corresponding to the number of full months between the Removal Date and the end of the calendar year to Licensee, and apply that credit amount against the next year's Attachment Fee payment for Licensee's remaining Wireless Facilities under this Agreement. If on the Removal Date Licensee has not yet paid the annual Attachment Fee for that Wireless Facility, Licensee shall pay the annual Attachment Fee on that Wireless Facility when it is due, but the amount of that Attachment Fee shall be adjusted on a prorated basis to cover only the period between the end of the prior Calendar Year and the end of the month in which the Removal Date occurs.

7.1.5. The obligation to pay Attachment Fees shall cease as of the first day of the month in which this Agreement expires or is terminated. Upon expiration or termination of this Agreement ("**Termination Date**"), the Parties shall determine the prorated amount of Attachment Fee Licensee owes for that year and if Licensee has already paid the Attachment Fee for that year, the City shall, within ninety (90) Days after the Termination Date refund to Licensee the excess payment, or if Licensee has not paid the Attachment Fee for that year as of the Termination Date, it shall, within ninety (90) Days after the Termination Date, pay to the City the prorated amount of Attachment Fee it owes for that year. Acceptance by the City of any payment due under this Article 7 shall not be deemed to be a waiver by the City of any prior breach of this Agreement, nor shall the City's acceptance of any such payments preclude the City from later establishing that a larger amount was actually due or from collecting any balance due to the City, and likewise, payment by Licensee of a payment under this Article shall not waive its right to establish that a lesser amount was actually due and seek recovery of the difference. This Section 7.1.5 shall survive termination or expiration of this Agreement.

7.2. **Reduction of Attachment Fee by Amount of Utility Users or Communications Tax.** Notwithstanding anything to the contrary in this Agreement, if the Services or Licensee's exercise of rights granted hereunder are subject to, or become subject to, a utility users tax, communications tax, or other similar business license tax or fee which accrues directly to the City by operation of the City's Municipal Code or other applicable Laws, then the amount of the Attachment Fee shall be reduced by the amount of the applicable utility users tax, communications tax, or such other similar tax or fee.

7.3. **Offset for In-Kind Elements.** Upon mutual agreement of the Parties in writing, certain in-kind elements offered by Licensee or its affiliates may be used to offset all or a portion of the Attachment Fee for one or more Wireless Facilities. The City will, on a case by case basis, review such in-kind elements depending on the totality of the circumstances, including but not limited to the City's needs, locations, conditions, and any and all associated cost of such in-kind elements.

7.4. **Reset Year.** The Attachment Fee rate will be reset for 2020 and again for 2024 (each a "**Reset Year**"). The City and Licensee will negotiate in good faith during the third quarter of the year immediately preceding each Reset Year, in order to determine the new Attachment Fee ("**Reset Attachment Fee**"). The Parties agree that during such negotiation, factors which will determine modifications, if any, to the fee structure under this Section 7 shall

include, among others, advances in deployment technology, such that those advances in technology impact certain Approved Wireless Facilities which share, could share, or do not share a City Pole. If by September 1 of such preceding year, the Parties are unable to agree upon a Reset Attachment Fee, either Party may terminate this Agreement in accordance with Article 9 below.

7.5. **Documentation.** The City hereby agrees to provide to Licensee (i) a complete and fully executed Internal Revenue Service Form W-9, or equivalent, in a form acceptable to Licensee, and in the name of the Party to whom payments are to be made pursuant to this Agreement, and (ii) other documentation pertinent to the City's ability to receive payments from Licensee as may be requested by Licensee in its reasonable discretion, from time to time. Licensee shall at all times keep and maintain full, true and correct business and financial records associated with this Agreement, including records of all construction and installation work under this Agreement, basic descriptive information of all Approved Wireless Facilities installed under this Agreement, and such other records sufficient to confirm Licensee's compliance with this Agreement. Licensee shall respond promptly to requests from the City for specific information contained in such records and shall forward to the City for inspection, electronic or other copies of all records and information as described above within twenty (20) Business Days of a written request.

7.5.1. Licensee shall provide to the City the following documents which shall identify:

7.5.1.1. License payments (including documentation of the gross revenues received from carriers as defined in the license agreement);

7.5.1.2. Attachment Fees (including all locations where Licensee has attached to a on City Poles, and other City-owned infrastructure with corresponding GIS location data);

7.5.1.3. Any new placement fees upon completion of any new structures requiring a placement fee;

7.5.1.4. Any street restoration fees paid directly by Licensee;

7.5.1.5. Any Permit fees paid directly by Licensee;

7.5.1.6. Non-real estate property tax payments by Licensee; and

7.5.1.7. Any Boston Police Department detail fees paid directly by Licensee.

7.6. **Late Payment Charge.** If Licensee fails to pay any amounts payable under this Agreement within ten (10) Days following the due date thereof, such unpaid amount shall be subject to a late payment charge equal to one percent (1%) of the unpaid amount in each instance, which late payment charge shall be incurred each month that the unpaid amount is due and owing. The late payment charge has been agreed upon by the Parties, after negotiation, as a reasonable estimate of the additional administrative costs and detriment that the City will incur

as a result of any such failure by Licensee, the actual costs thereof being extremely difficult if not impossible to determine.

7.7. **Other Payments.** In addition to all other fees to be paid to the City under this Agreement, Licensee shall timely pay to the City all applicable deposit fees, permit fees and other fees or amounts Licensee is required by any federal, state or local law, statute, ordinance, rule or regulation to pay to the City in connection with obtaining permits or performing work under this Agreement.

7.8. **Security Deposit.** Prior to installing its first Wireless Facility under this Agreement, Licensee will deliver to the City a valid performance bond in the sum of one million dollars (\$1,000,000), issued by a surety company acceptable to the City in a form acceptable to both Parties. Licensee agrees and acknowledges that it will obtain a bond which allows for the use of the bond to cover incidental expenses and costs, damages and fees not covered by any insurance policies including but not limited to: interest, charges by the City to remove Wireless Facilities from City Poles, City Property Poles, and other City-owned infrastructure and to the extent practical, restore such sites to their prior condition, reasonable wear and tear excepted, pursuant to this Agreement, and any unpaid permit and administrative fees. Licensee shall keep such performance bond, at its expense, in full force and effect until the one hundred eightieth (180th) Day after the Expiration Date or other termination of this Agreement, to insure the faithful performance by Licensee of all of the covenants, terms and conditions of this Agreement. Such bond shall provide for thirty (30) Days prior written notice to the City of cancellation or material change thereof. If the bond is cancelled or not extended, Licensee shall replace it with another at least ten (10) Days prior to expiration and if Licensee fails to do so the City shall be entitled to present its written demand for payment of the entire face amount of such bond and to hold the funds so obtained as a security deposit. Any unused portion of any such Security Deposit shall be returned to Licensee upon replacement of the bond or deposit of cash security in the full amount required.

8 WORK STANDARDS

8.1. **Performance of Work.** Licensee shall exercise due care, caution, skill and expertise in performing all work under this Agreement and shall take all reasonable steps to safeguard and maintain in a clean and workmanlike manner, all work site areas, including, without limitation, the areas around City Poles, City Property Poles and City-owned infrastructure. All work Licensee undertakes in the Public Rights-of-Ways and other City-owned Property pursuant to this Agreement shall at all times be performed by workers in accordance with generally accepted industry practice and in compliance with all Laws.

8.2. **Work Plan.** Prior to performing any work on Wireless Facilities subject to this Agreement within the Public Rights-of Way, Licensee shall present a map and written proposal describing the work to be performed and the facilities, methods and materials (if any) to be installed in the Public Rights-of-Way ("**Work Plan**") to the Commissioner for review. In addition, prior to conducting any work in the Public Rights-of-Way, Licensee shall provide to the City a current emergency response plan identifying staff who have authority to resolve, twenty-four (24) hours a Day, seven (7) Days a week, problems or complaints resulting, directly or indirectly, from the Wireless Facilities installed pursuant to this Agreement. As soon as is

reasonably practical following installation of Wireless Facilities, Licensee shall deliver as-built drawings to the Commissioner.

8.3. No Underground Work. Licensee hereby represents, warrants and covenants that, except (i) to the extent associated with the installation of an Approved Wireless Facility entailing replacement of a City Pole, City Property Pole, or Non-City Pole as authorized under this Agreement, or (ii) to the limited and minimum extent necessary in order to connect fiber optic cable and power service from its Wireless Facilities to the fiber optic and electrical power facilities already present in the City's public ways, or which may be installed in the ways by others in the future, and with the express approval of PIC staff or (iii) as otherwise expressly approved by PIC, Licensee shall perform no excavation, trenching, coring, boring, or digging into the ground or installation of any equipment or other material into the ground, or any other underground work within the Public Rights-Of-Way or other City owned property in connection with the installation of its Wireless Facilities under this Agreement. Licensee further represents, warrants and covenants that it shall not otherwise disturb or disrupt the operation or maintenance of any sanitary sewers, storm drains, gas or water mains, or other underground conduits, cables, mains, or facilities. Licensee agrees to seek all required permits and approvals for underground work necessary in order to connect fiber optic cable and power service from Licensee's Wireless Facilities to the fiber optic and electrical power facilities in the Public Rights-Of-Way.

8.4. Repair or Replacement of Damaged Facilities or Property. Upon written request, Licensee agrees to repair or replace, to the City's reasonable satisfaction based on standards equivalent to those the City requires of any other similarly situated party, any City-owned facilities or City-owned Property that the City determines has been damaged, destroyed, defaced or otherwise injured as a result of work performed by Licensee under this Agreement. Licensee shall perform such work at no expense to the City, except to the extent such damage, destruction, defacement, or injury was caused by the gross negligence or willful misconduct of the City or a third party.

8.5. Modification of Work Plans. If during the term of this Agreement, the Commissioner determines that the public health or safety requires a modification of or a departure from the Work Plan submitted by Licensee with respect to a particular Wireless Facility the Commissioner shall have the authority to identify, specify and delineate the modification or departure required, and Licensee shall perform the work allowed under this Agreement as revised by the Commissioner's specified modification or departure, at Licensee's sole expense. The Commissioner shall provide Licensee with a written description of the required modification or departure, the public health or safety issue necessitating the modification or departure, and the time within which Licensee shall make, complete or maintain the modification or departure required.

8.6. Dark Fiber.

8.6.1. If, during the term of this Agreement Licensee, or a subsidiary of the Licensee, or a 3rd Party on behalf of Licensee installs any fiber optic cable for purposes of installing or connecting Wireless Facilities by underground conduit installation ("*Underground*"), micro-trenched installation ("*Micro-trenched*"), or aerial installation ("*Aerial*"), in any Public Rights-of-Way or any City-owned Property, then Licensee shall provide

the City with 12 strands of unlit single-mode optical fiber along the installation route ("**Dark Fiber**") , for the exclusive use by the City (the "**New City Strands**"), subject to the following:

8.6.1.1. in the case of Aerial, Licensee shall provide the City extra length of New City Strands that is not less than 50 feet ("**Fiber Slack**") at each demarcation point. In addition, Fiber Slack coils shall be placed when applicable, along the Dark Fiber path on horseshoe-shaped brackets ("**Snowshoes**"), subject to a grant of location in accordance with PIC's Joint Build Policy.

8.6.1.2. in the case of Underground conduit, Licensee shall provide (a) an enclosed pull tape(b) one foot by two feet access holes for the conduit (a "**Hand Hole**") located no more than 1,000 feet from each Demarcation Point with Fiber Slack coils located at each Hand Hole, subject to a grant of location in accordance with PIC's Joint Build Policy. If PIC's Joint Build Policy requires placement of conduit for municipal use (the "**City Shadow**"), then the New City Strands shall be installed in the City Shadow.

8.6.1.3. in the case of a Micro-trenched, Licensee shall provide Fiber Slack with Fiber Slack coils placed along the Dark Fiber path in Hand Holes. Micro-trenched Dark Fibers shall each be placed on independent Dark Fiber tracks with 5 feet of extra length at each end point.

8.6.1.4. in the case of an Underground Lateral connecting a City Pole or City Property Pole to fiber infrastructure in the street, Licensee shall provide two strands of Dark Fiber between a demarcation point inside/on the pole and at the underground end-point of the lateral (manhole or handhold) and Fiber Slack as described in Section 8.6.1.1 above.

8.6.1.5. All existing fiber infrastructure, other than Dark Fiber already reserved for City's Use (the "**Existing City Strands**"), owned by the Licensee, subsidiaries, or leased from 3rd parties is not subject to the requirement under this Section 8.6.1, except that all New City Strands should terminate in a demarcation point that can facilitate, at the City's expense, interconnection with Existing City Strands, and other fiber infrastructure owned or installed by the City.

8.6.2. The City shall have the right to review the proposed Dark Fiber installation design plans and require modification as reasonably necessary to such designs. The Parties shall mutually agree upon each Party's contribution to any cost increases in connection with the City's modified Dark Fiber installation designs.

8.6.3. Licensee shall cooperate with the City, and its agents and contractors, in connecting such City Strands to other facilities owned or controlled by the City.

8.6.4. Licensee shall promptly deliver to the City a Keyhole Markup language Zipped (KMZ) file for the City Strands, and engineering drawings for any Dark Fiber splice enclosures or demarcation points.

8.6.5. The City shall have either ownership of, or a permanent indefeasible right of use with respect to, such City Strands governed by the Dark Fiber and Conduit Use

Agreement that the Parties have entered into contemporaneous with the execution of this Agreement.

8.6.6. The City is responsible for maintenance of City Strands located within the City Shadow. The Licensee is responsible, at its own cost and expenses, for ongoing maintenance of all City Strands not located within municipal use conduit, including all Aerial and Microtrenched.

8.7. **Safety Training.** Upon the request of the City to Licensee, Licensee shall provide to the City's employees who may come in contact with or access the Wireless Facilities, training that shall include occupational safety training in accordance with applicable laws and its own policies. Licensee may work collectively with the other licensees to provide a combined safety training program. The frequency, scheduling, duration and content of the safety training under this Section shall be determined by the City in cooperation with the licensee or licensees.

9 TERMINATION

9.1. **Termination upon Notice in Certain Circumstances.** In addition to all other remedies provided by Law or in equity, either Party ("**Non-Defaulting Party**") may terminate this Agreement upon written notice to the other Party ("**Defaulting Party**") in the event that the Defaulting Party has failed to perform any of its material obligations under this Agreement; provided, however, that if the Defaulting Party's failure to perform under or comply with this Agreement is capable of being cured, and if a specific notice or cure period or time for performance of such obligation is not otherwise specified in this Agreement, then the Non-Defaulting Party shall provide the Defaulting Party with a notice of the Defaulting Party's failure to perform or comply and provide the Defaulting Party with ninety (90) Days from the date of the notice to cure the failure to perform or comply and if within such time the Defaulting Party cures its failure to perform to the Non-Defaulting Party's reasonable satisfaction, the termination shall not take effect. If the Defaulting Party is unable to cure such failure to perform or comply within the time provided for such cure, the Non-Defaulting Party shall extend the time for cure so long as the Defaulting Party continues to diligently pursue such cure and then the termination shall not take effect until such time, if any, as the Defaulting Party has failed to cure to the reasonable satisfaction of the Non-Defaulting Party and is no longer diligently pursuing such cure.

9.2. **Termination for Breach of Insurance Obligations.**

9.2.1. In addition to all other remedies provided by Law or in equity, the City may terminate this Agreement upon written notice to Licensee in the event that Licensee has failed to perform any of its material obligations under Article 6 of this Agreement; provided, however, that such termination is effective six (6) Business Days after such notice, and further provided that if Licensee cures all of its failures to perform in compliance with Article 6 of this Agreement to the City's reasonable satisfaction, before the termination becomes effective, the termination shall not take effect.

9.3. **Termination for Failure to Negotiate Reset Attachment Fee.**

9.3.1. In the event that the Parties are unable to negotiate a Reset Attachment Fee, pursuant to Section 7.4.1 or 7.4.2, either Party may terminate this Agreement upon written notice to the other Party, provided, however, that such termination is effective sixty (60) Days after such notice, and provided further that the right to terminate this Agreement under this Section 9.3 must be exercised before January 1 of each respective Reset Year.

9.3.2. Notwithstanding Section 3.13, if this Agreement is terminated by either Party pursuant to this Section 9.3, the effect of such termination shall be only to prevent Licensee from installing new Wireless Facilities pursuant to this Agreement, and this Agreement shall otherwise remain in full force and effect with respect to any Approved Wireless Facilities on City Poles, City Property Poles or other City-owned infrastructure that have already been installed pursuant to this Agreement, and any Approved Wireless Facilities on City Poles, City Property Poles or other City-owned infrastructure that have been approved by the Commissioner but not yet installed.

9.4. **Effect of Termination.** In the event of termination of this Agreement, Licensee shall immediately cease all work being performed under this Agreement, excepting only that work necessary for Licensee to remove all Wireless Facilities installed on City Poles, City Property Poles, or other City-owned infrastructure pursuant to this Agreement as provided in Section 3.13. Termination of this Agreement by the City, as herein provided, shall constitute the withdrawal of the consent or authorization of the City for Licensee to perform any construction or other work under this Agreement in the Public Rights-of-Way or on City-owned Property excepting only that work necessary for Licensee to remove all Wireless Facilities from City Poles, City Property Poles, or other City-owned infrastructure and leave all work site areas in a clean and safe condition and in accordance with Article 3, or as the City may otherwise expressly provide. Upon any such early termination, the City shall promptly remit to Licensee a prorated portion of the annual Attachment Fee paid to the City in accordance with Section 7.1.5. Termination or expiration of this Agreement shall not preclude Licensee from maintaining or modifying existing Wireless Facilities on Non-City Poles within the Public Rights-of- Way, subject to applicable laws.

10 NOTICES

10.1. Except as otherwise expressly provided in this Agreement, any notice given hereunder shall be effective only if in writing and given by delivering the notice in person, or by sending it first-class mail or certified mail with a return receipt requested, postage prepaid, or reliable commercial overnight courier, return receipt requested, with postage prepaid, to:

City of Boston
Mike Lynch, Broadband & Cable
Boston Dept. of Innovation & Technology (DoIT)
43 Hawkins Street
Boston, Massachusetts 02114
Telephone: 617-635-2737
E-mail: mike.lynch@boston.gov
Licensee:

Lighthouse Fiber Networks I, LLC
General Counsel
80 Central Street
Boxborough, MA 01719

With a Copy to:

300 Meridian Centre
Rochester, NY 14618
Attn: Legal Department
Email: Lighttower-rowaccess@lighttower.com

or to such other address as either the City or Licensee may designate as its new address for such purpose by notice given to the other in accordance with the provisions of this Section at least ten (10) Days prior to the effective date of such change. Any notice under this Section shall be deemed to have been given two (2) Days after the date when it is mailed if sent by first-class or certified mail, return receipt requested, postage prepaid, one (1) Day after the date it is made if sent by commercial overnight courier, or upon the date personal delivery is made.

11 COMPLIANCE WITH LAWS

11.1. Licensee shall comply with all present and future Laws to the extent applicable to the Services and the Wireless Facilities authorized pursuant to this Agreement.

11.2. All Wireless Facilities installed pursuant to this Agreement shall be constructed to comply with all applicable lawful federal, state and local construction requirements.

12 ASSIGNMENT

12.1. **Assignment by Licensee.** Neither this Agreement nor any part of Licensee' rights hereto may be assigned, pledged or hypothecated, in whole or in part, without the express written consent of the City, which consent shall not be unreasonably withheld, conditioned, or delayed. Notwithstanding the foregoing, the transfer of the rights and obligations of Licensee under this Agreement to a parent, subsidiary, successor, or financially viable affiliate, or to any entity which acquires all or substantially all of Licensee' assets in a market defined by the FCC in which Boston, Massachusetts is located, by reason of a merger, acquisition or other business reorganization, shall not be deemed an assignment for the purposes of this Agreement, provided that Licensee delivers to the City the following: (1) a Bond issued in the name of the transferee; (2) an Assignment and Assumption Agreement between the City and the transferee; and (3) a Certificate of Insurance naming the transferee as insured. In the event Licensee files a petition in bankruptcy pursuant to 11 U.S.C. Sections 101, et seq., the assignment of this Agreement shall be governed by the provisions of the Bankruptcy Code. An assignment of this Agreement is only enforceable against the City if Licensee or its trustee in bankruptcy complies with the provisions of 11 U.S.C. Section 365, including obtaining the approval of the Bankruptcy Court. The City hereby expressly reserves all of its defenses to any proposed assignment of this Agreement. Any Person or entity to which the Bankruptcy Court approves the assignment of this

Agreement shall be deemed without further act to have assumed all of the obligations of Licensee arising under this Agreement on and after the date of such assignment. Any such assignee shall upon demand execute and deliver to City an instrument confirming such assumption. Any monies or other considerations payable or otherwise to be delivered in connection with such assignment shall be paid to the City, shall be the exclusive property of the City, and shall not constitute property of Licensee or of the estate of Licensee within the meaning of the Bankruptcy Code.

12.2. Prohibition on Sublicense by Licensee. Except to a parent, subsidiary, successor, or financially viable affiliate, or to any entity which acquires all or substantially all of Licensee's assets in a market defined by the FCC in which Boston, Massachusetts is located, by reason of a merger, acquisition or other business reorganization, Licensee is prohibited from sublicensing any of its rights under this Agreement, including, but not limited to, its right to install Approved Wireless Facilities on poles and City-owned infrastructure, without the express written consent of the City. This restriction on sublicensing is not intended to prevent other parties such as, without limitation, Licensee's Wireless Service Provider and Carrier customers, and their resellers and providers of data services, from using the Wireless Facilities to provide Wireless Services, provided however, that Licensee shall ensure that such use by the foregoing parties complies with this Agreement.

12.3. Rights Upon Sale by City. If, at any time during the Term of this Agreement, the City decides: (i) to sell or transfer all or any part of the City Poles, City Property Poles or other City-owned infrastructure containing or having the potential to contain Wireless Facilities, or the underlying portions of the Right-of-Way or City property to a purchaser other than Licensee, or (ii) to grant to a third party by easement or other legal instrument an interest in City Poles, City Property Poles or other City-owned infrastructure for any purpose, that sale or grant of an easement or interest therein shall be subject to Licensee's rights under this Agreement, and any such purchaser or transferee must recognize such rights.

13 MISCELLANEOUS

13.1. Amendments. Neither this Agreement nor any of its term or provisions may be changed, waived, discharged or terminated, except by a written instrument signed by both of the Parties.

13.2. Representations and Warranties. The Person executing this Agreement on behalf of Licensee does hereby covenant, represent and warrant that, to the best of his or her knowledge, (a) Licensee is a duly authorized and existing Nevada Limited Liability Company, has and is qualified to do business in the Commonwealth of Massachusetts, and has full right and authority to enter into this Agreement, (b) the person signing on behalf of Licensee is authorized to do so and (c) the Wireless Facilities installed pursuant to this Agreement shall comply with all applicable FCC standards regarding radio frequencies and electromagnetic field emissions. Upon the City's written request, Licensee shall provide the City with evidence reasonably satisfactory to the City confirming the foregoing representations and warranties.

13.3. Interpretation of Agreement. This Agreement has been negotiated at arm's length and between Persons sophisticated and knowledgeable in the matters it concerns, and shall

be interpreted to achieve the intents and purposes of the Parties, without any presumption against the Party responsible for drafting any part of this Agreement. Use of the word "including" or similar words shall not be construed to limit any general term, statement or other matter in this Agreement, whether or not language of non-limitation, such as "without limitation" or similar words, are used.

13.4. **Severability.** If any provision of this Agreement or its application to any Person, entity or circumstance shall, to any extent, be invalid or unenforceable, the remainder of this Agreement, or the application of such provision to Persons, entities or circumstances other than those as to which it is invalid or unenforceable, shall not be affected, and each other provision of this Agreement shall continue to be valid and be enforceable to the fullest extent permitted by Law.

13.5. **Governing Law.** This Agreement shall be construed and enforced in accordance with the Laws of the Commonwealth of Massachusetts.

13.6. **Entire Agreement.** This instrument (including the exhibits which are made a part of this Agreement) contains the entire agreement between the Parties and supersedes all prior written or oral negotiations, discussions, understandings and agreements. The Parties further intend that this Agreement shall constitute the complete and exclusive statement of its terms and that no extrinsic evidence whatsoever (including prior drafts of this Agreement) may be introduced in any judicial, administrative or other legal proceeding involving this Agreement.

13.7. **Time of Essence.** Time is of the essence with respect to all provisions of this Agreement in which a definite time for performance is specified.

13.8. **Cumulative Remedies.** All rights and remedies of either Party set forth in this Agreement shall be cumulative, except as this Agreement may otherwise provide.

13.9. **Relationship of Parties.** The City is not, and none of the provisions in this Agreement shall be deemed to render the City, a partner in Licensee' business, or joint venturer or member in any joint enterprise with Licensee. Neither Party shall act as the agent of the other Party in any respect under this Agreement, and neither Party shall have any authority to commit or bind the other Party without such Party's prior written consent. This Agreement is not intended nor shall it be construed to create any third party beneficiary rights in any third party, unless otherwise expressly provided.

13.10. **Non-Discrimination.** Licensee agrees and shall require all agents conducting business in Massachusetts on its behalf to agree not to discriminate on the basis of race, sex, religious creed, national origin, sexual preference, color, disability or age in connection with this agreement. In addition, Licensee shall require all agents to post in a conspicuous place all relevant notices and posters to be provided by the Massachusetts Commission Against Discrimination setting forth the provisions of the Fair Employment Law of the Commonwealth.


13.11. **No Waiver.** Unless, and only to the extent, specifically stated in this Agreement, nothing in this Agreement is intended or shall be interpreted to waive, limit, or abridge any rights Licensee has under state or federal laws or regulations by virtue of its status as a federally

licensed wireless services provider, or otherwise, with respect to the installation and operation of Wireless Facilities within or outside of the Public Rights-of-Way. If, after the Term Commencement Date there is (i) a change in Law that changes the nature or extent of the obligations that the City may require from or impose upon a party attaching to Non-City Poles, or (ii) a change in Law or an agreement between the City and another wireless service provider that contains more favorable provisions for the approval of Wireless Facilities such that the terms of this Agreement place Licensee at a material competitive disadvantage to other Wireless Service Providers, the City agrees that notwithstanding any other provision of law or this Agreement, then upon Licensee' written notice, Licensee and the City shall, within thirty (30) Days of the City's receipt of such notice, commence negotiations to modify this Agreement to conform to such change in Law or such other agreement.

13.12. To the extent that Licensee provides information that is "trade secrets or commercial or financial information" exempt from public disclosure pursuant to G.L. c. 4 §7(26)(g), the City agrees that this information may not be disclosed to any Person other than those City officials, employees, attorneys, and agents who have a need to know and are subject to this confidentiality requirement. The City agrees to protect the confidentiality of such Confidential Information to the extent permitted under applicable law and to notify Licensee promptly if a third party seeks access to any Confidential Information.

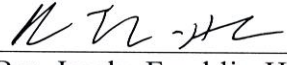
SIGNATURES ON NEXT PAGE

LIGHTOWER FIBER NETWORKS I, LLC

By: 
David L. Mayer
Its: Executive Vice President and General Counsel

Date: February 28, 2017

CITY OF BOSTON


By: Jascha Franklin-Hodge
Its: Duly Authorized Chief Information Officer

Date: 2017-03-22

APPROVED AS TO FORM


By: 
Eugene O'Flaherty
Corporation Counsel

EXHIBIT A
SCHEDULE OF ARCHITECTURALLY AND HISTORICALLY SIGNIFICANT
LIGHT POLE DESIGNS
AND
DISTRICTS SUBJECT TO SPECIAL HISTORICAL OR DESIGN CONTROLS

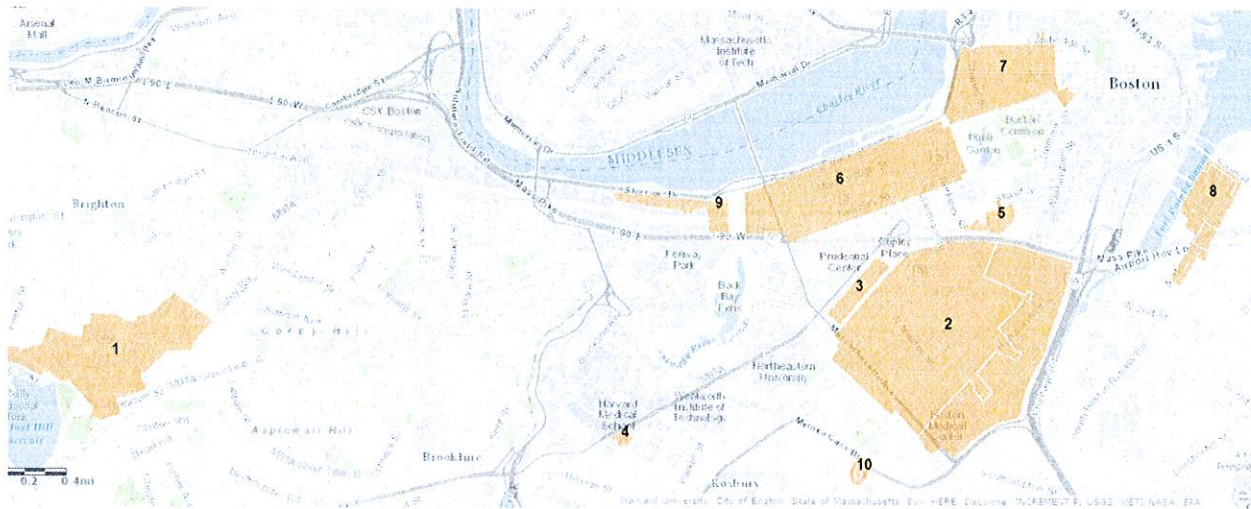
1) Link to City of Boston Landmark & Historic Location Designations

<http://www.cityofboston.gov/landmarks/process.asp>

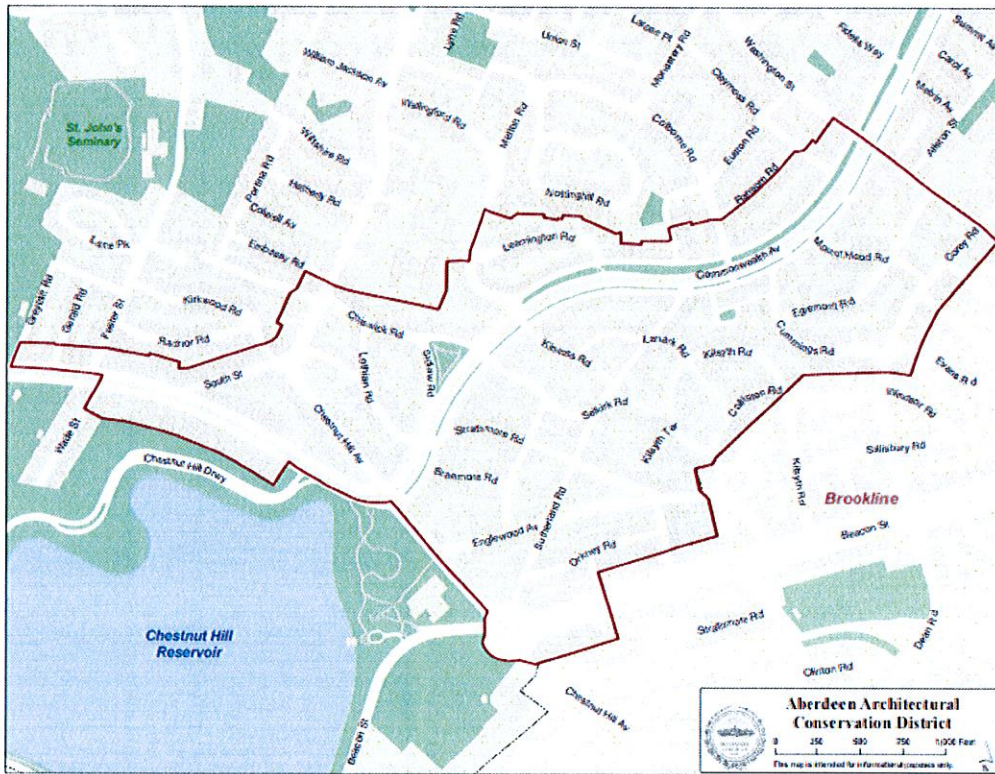
2) List of Designated Boston Landmarks:

http://www.cityofboston.gov/images_documents/PETDESIG_JAN2014_tcm3-40308.pdf

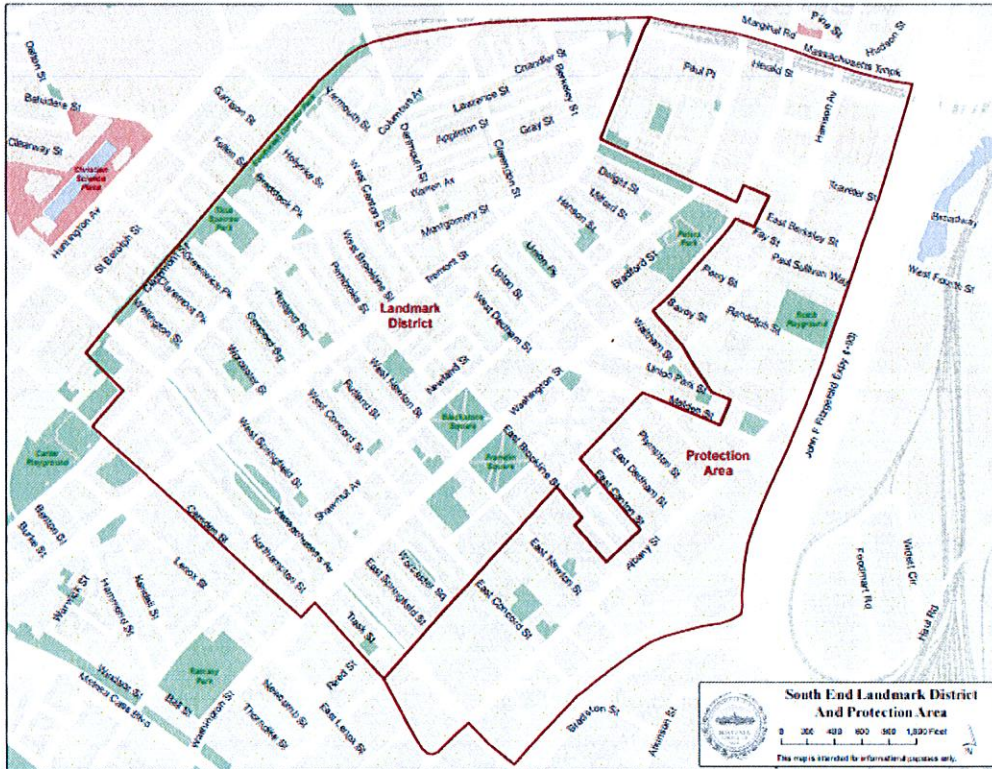
3) Map of City of Boston Historical Districts - Overview



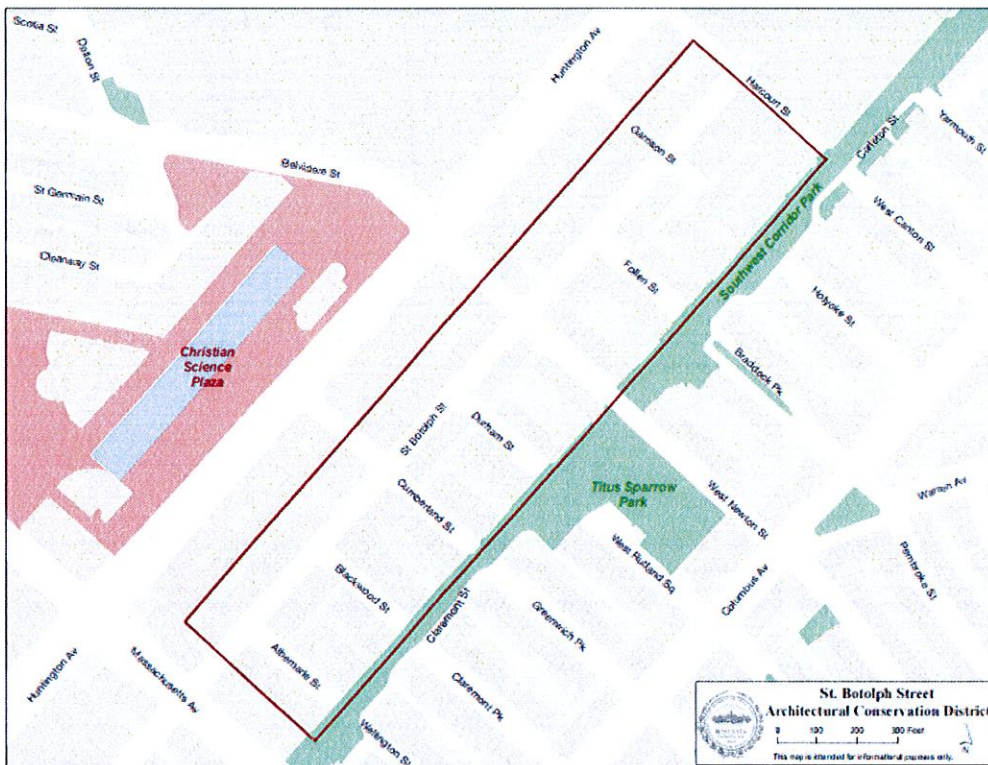
4) Aberdeen Architectural Conservation District



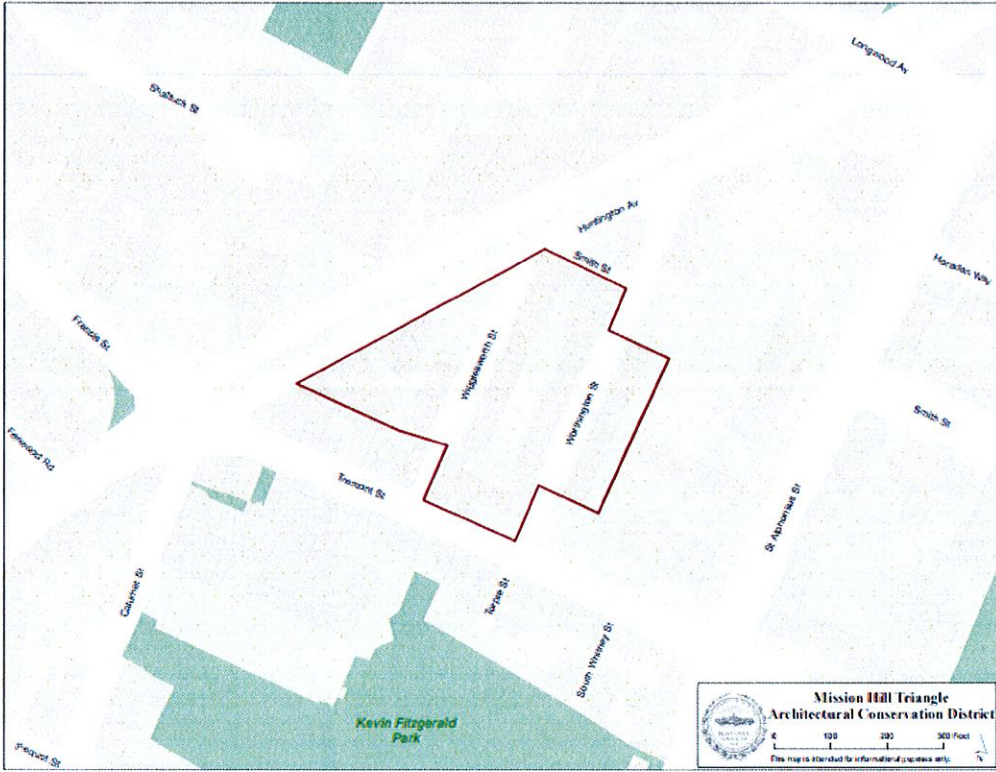
5) South End Historical Landmark & Protection Area



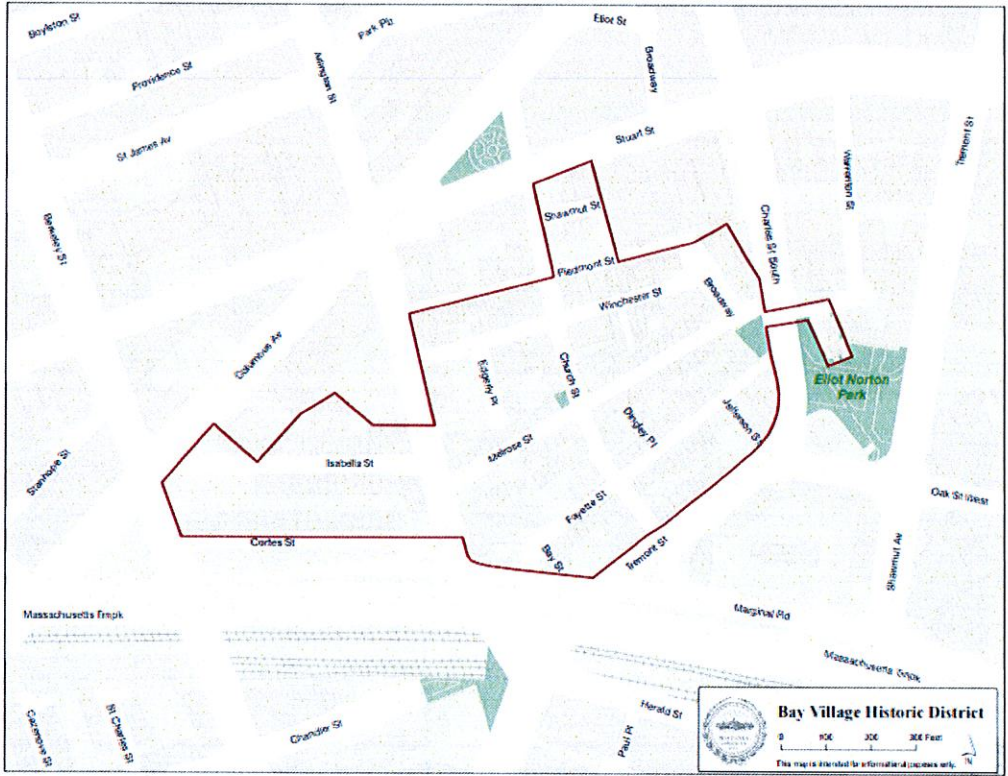
6) St. Botolph Street Architectural Conservation District



7) Mission Hill Architectural Conservation District



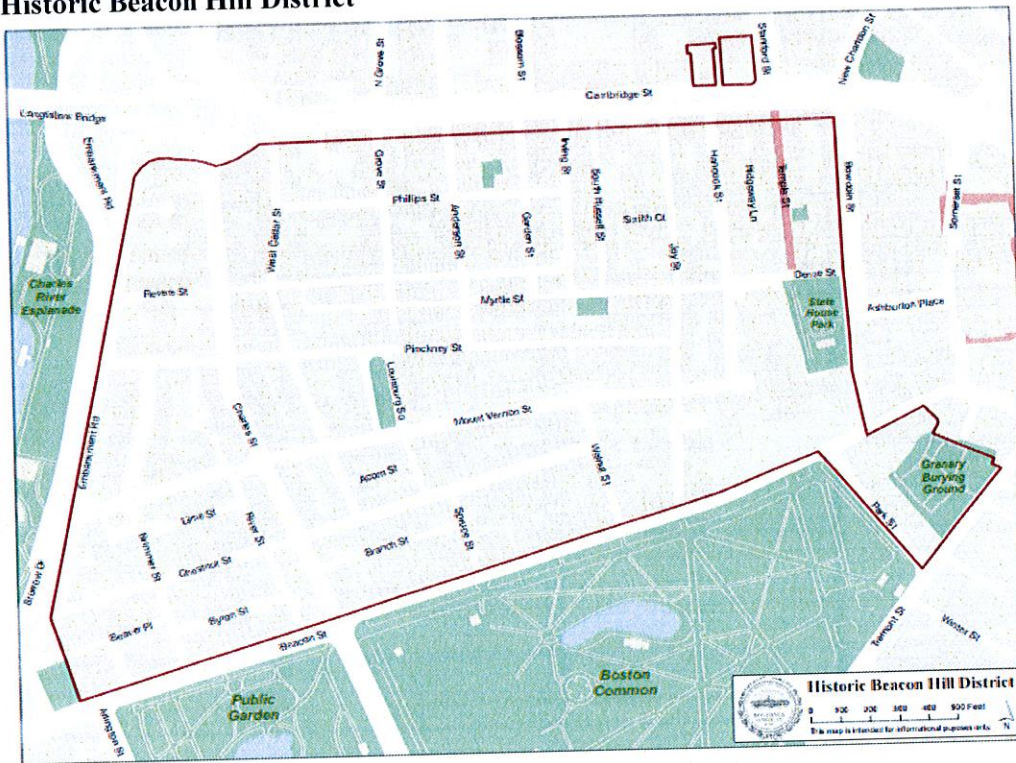
8) Bay Village Historical Area



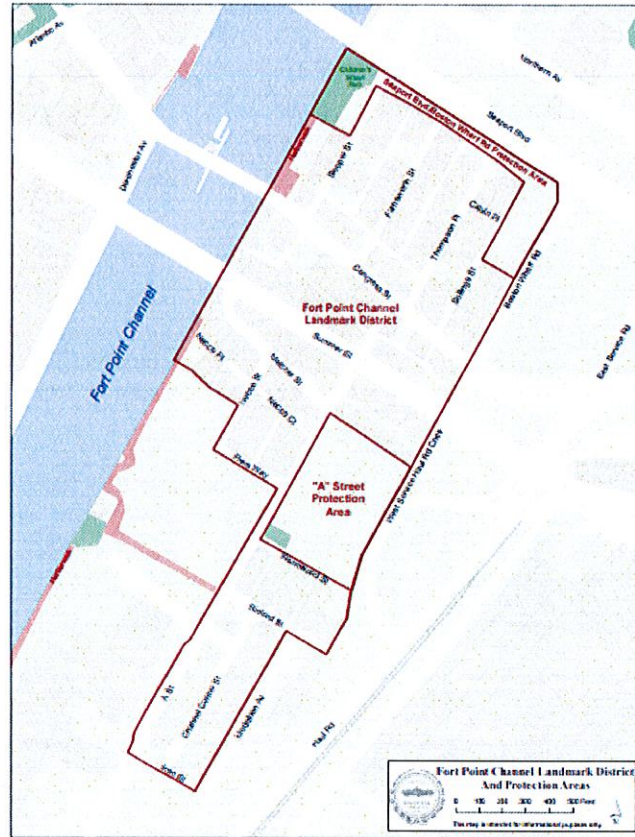
9) Back Bay Architectural District



10) Historic Beacon Hill District



11) Fort Point Channel Landmark District and Protection Area



12) Bay State Road/Back Bay West Architectural Conservation District

No Map

13) Eustis Street Architectural Conservation District

No Map

14) Street Names within Architectural and Conservation Districts.

Street Name	Type	Neighborhood	ZIP Code
Acorn	ST	Boston	02108
Beacon	ST	Boston	02108
Beaver	PL	Boston	02108
Beaver	ST	Boston	02108

Branch	ST	Boston	02108
Brimmer	ST	Boston	02108
Byron	ST	Boston	02108
Cedar	ST	Boston	02108
Cedar Lane	WAY	Boston	02108
Chestnut	ST	Boston	02108
David G Mugar	WAY	Boston	02108
James J Storrow Memorial	DR	Boston	02108
Joy	PL	Boston	02108
Joy	ST	Boston	02108
Lime	ST	Boston	02108
Louisburg	SQ	Boston	02108
Mount Vernon	ST	Boston	02108
Mount Vernon	PL	Boston	02108
Mount Vernon	SQ	Boston	02108
Otis	PL	Boston	02108
Park	ST	Boston	02108
Park Street	PL	Boston	02108
Public Alley No. 303		Boston	02108
Spruce	CT	Boston	02108
Spruce	ST	Boston	02108
Spruce	PL	Boston	02108
Walnut	ST	Boston	02108
Willow	ST	Boston	02108
Harrison	AVE	Boston	02111

Washington	ST	Boston	02111
Anderson	ST	Boston	02114
Anderson	PL	Boston	02114
Bellingham	PL	Boston	02114
Cedar	ST	Boston	02114
Cedar Lane	WAY	Boston	02114
Champney	PL	Boston	02114
Charles	ST	Boston	02114
Charles River	SQ	Boston	02114
Charlesbank	RD	Boston	02114
Chestnut	ST	Boston	02114
Coburn	CT	Boston	02114
Coolidge	AVE	Boston	02114
David G Mugar	WAY	Boston	02114
Derne	ST	Boston	02114
Garden	ST	Boston	02114
Garden Street Arch		Boston	02114
Goodwin	PL	Boston	02114
Grove	ST	Boston	02114
Grove	SQ	Boston	02114
Grove	PL	Boston	02114
Hancock	ST	Boston	02114
Hill	PL	Boston	02114
Holmes	ALY	Boston	02114
Irving	ST	Boston	02114

Joy	ST	Boston	02114
Lindall	PL	Boston	02114
Lindall	CT	Boston	02114
Mount Vernon	ST	Boston	02114
Myrtle	ST	Boston	02114
Phillips	CT	Boston	02114
Phillips	ST	Boston	02114
Pinckney	ST	Boston	02114
Primus	AVE	Boston	02114
Public Alley No. 301		Boston	02114
Putnam	AVE	Boston	02114
RAMP - DAVID G MUGAR WAY TO CH		Boston	02114
Revere	ST	Boston	02114
Ridgeway	LN	Boston	02114
River	ST	Boston	02114
River Street	PL	Boston	02114
Rollins	PL	Boston	02114
Russell	ST	Boston	02114
Sentry Hill	PL	Boston	02114
Silver	PL	Boston	02114
Smith	CT	Boston	02114
Strong	PL	Boston	02114
Temple	ST	Boston	02114
Thompson's	CT	Boston	02114
Albemarle	ST	Boston	02115

Albemarle	CT	Boston	02115
Albemarle	TER	Boston	02115
Back	ST	Boston	02115
Beacon	ST	Boston	02115
Blackwood	ST	Boston	02115
Claremont	ST	Boston	02115
Commonwealth	AVE	Boston	02115
Cumberland	ST	Boston	02115
Durham	ST	Boston	02115
Gloucester	ST	Boston	02115
Hereford	ST	Boston	02115
Marlborough	ST	Boston	02115
Massachusetts	TPKE	Boston	02115
Massachusetts	AVE	Boston	02115
Newbury	ST	Boston	02115
Public Alley No. 403		Boston	02115
Public Alley No. 414		Boston	02115
Public Alley No. 415		Boston	02115
Public Alley No. 428		Boston	02115
Public Alley No. 429		Boston	02115
Public Alley No. 430		Boston	02115
Public Alley No. 431		Boston	02115
Public Alley No. 443		Boston	02115
Public Alley No. 444		Boston	02115
Public Alley No. 905		Boston	02115

Public Alley No. 908		Boston	02115
Saint Botolph	ST	Boston	02115
Appleton	ST	Boston	02116
Arlington	ST	Boston	02116
Back	ST	Boston	02116
Bay	ST	Boston	02116
Beacon	ST	Boston	02116
Berkeley	ST	Boston	02116
Braddock	PARK	Boston	02116
Broadway	ST	Boston	02116
Canton	ST	Boston	02116
Carleton	ST	Boston	02116
Cazenove	ST	Boston	02116
Cedar	PL	Boston	02116
Chandler	ST	Boston	02116
Charles	ST	Boston	02116
Church	ST	Boston	02116
Clarendon	ST	Boston	02116
Cocoanut Grove	LN	Boston	02116
Columbus	AVE	Boston	02116
Columbus	SQ	Boston	02116
Commonwealth	AVE	Boston	02116
Cortes	ST	Boston	02116
Dartmouth	ST	Boston	02116
David G Mugar	WAY	Boston	02116

Dingley	PL	Boston	02116
Edgerly	PL	Boston	02116
Exeter	ST	Boston	02116
Exeter	PLZ	Boston	02116
Fairfield	ST	Boston	02116
Fayette	ST	Boston	02116
Follen	ST	Boston	02116
Garrison	ST	Boston	02116
Gray	ST	Boston	02116
Holyoke	ST	Boston	02116
Isabella	ST	Boston	02116
James J Storrow Memorial	DR	Boston	02116
Jefferson	ST	Boston	02116
Knox	ST	Boston	02116
Lawrence	ST	Boston	02116
Lincoln	PL	Boston	02116
Lyndeboro	PL	Boston	02116
Marlborough	ST	Boston	02116
Melrose	ST	Boston	02116
Montgomery	PARK	Boston	02116
Montgomery	ST	Boston	02116
Newbury	ST	Boston	02116
Newton	ST	Boston	02116
Pembroke	ST	Boston	02116
Piedmont	ST	Boston	02116

Public Alley No. 416	Boston	02116
Public Alley No. 417	Boston	02116
Public Alley No. 418	Boston	02116
Public Alley No. 419	Boston	02116
Public Alley No. 420	Boston	02116
Public Alley No. 421	Boston	02116
Public Alley No. 422	Boston	02116
Public Alley No. 423	Boston	02116
Public Alley No. 424	Boston	02116
Public Alley No. 425	Boston	02116
Public Alley No. 426	Boston	02116
Public Alley No. 427	Boston	02116
Public Alley No. 432	Boston	02116
Public Alley No. 433	Boston	02116
Public Alley No. 434	Boston	02116
Public Alley No. 435	Boston	02116
Public Alley No. 436	Boston	02116
Public Alley No. 437	Boston	02116
Public Alley No. 438	Boston	02116
Public Alley No. 439	Boston	02116
Public Alley No. 440	Boston	02116
Public Alley No. 441	Boston	02116
Public Alley No. 442	Boston	02116
Public Alley No. 539	Boston	02116
Public Alley No. 542	Boston	02116

Public Alley No. 543		Boston	02116
Public Alley No. 543		Boston	02116
RAMP - STORROW DRIVE TO CLAREN		Boston	02116
Saint Botolph	ST	Boston	02116
Saint Charles	ST	Boston	02116
Shawmut	AVE	Boston	02116
Shawmut	ST	Boston	02116
Tremont	ST	Boston	02116
Warren	AVE	Boston	02116
Warrenton	PL	Boston	02116
Winchester	ST	Boston	02116
Yarmouth	ST	Boston	02116
Yarmouth	PL	Boston	02116
Aguadilla	ST	Boston	02118
Albany	ST	Boston	02118
Andrews	ST	Boston	02118
Berkeley	ST	Boston	02118
Biosquare	DR	Boston	02118
Bond	ST	Boston	02118
Bradford	ST	Boston	02118
Briggs	PL	Boston	02118
Brookline	ST	Boston	02118
Brookline	GDNS	Boston	02118
Canton	PL	Boston	02118
Canton	ST	Boston	02118

Canton	CT	Boston	02118
Castle	CT	Boston	02118
Chester	PARK	Boston	02118
Claremont	ST	Boston	02118
Claremont	PARK	Boston	02118
Clarendon	ST	Boston	02118
Columbus	AVE	Boston	02118
Concord	SQ	Boston	02118
Concord	PL	Boston	02118
Concord	ST	Boston	02118
Cumston	ST	Boston	02118
Cumston	PL	Boston	02118
Dartmouth	ST	Boston	02118
Deacon	ST	Boston	02118
Deblois	ST	Boston	02118
Dedham	ST	Boston	02118
Drapers	LN	Boston	02118
Dwight	ST	Boston	02118
Dwight	ST	Boston	02118
Emerald	CT	Boston	02118
Father Francis J Gilday	ST	Boston	02118
Fay	ST	Boston	02118
Frontage	RD	Boston	02118
Hanson	ST	Boston	02118
Harrison	AVE	Boston	02118

Harrison Archways		Boston	02118
Haven	ST	Boston	02118
Herald	ST	Boston	02118
Ivanhoe	ST	Boston	02118
Malden	ST	Boston	02118
Massachusetts	AVE	Boston	02118
Milford	ST	Boston	02118
Millicent	WAY	Boston	02118
Monsignor Reynolds	CT	Boston	02118
Monsignor Reynolds	WAY	Boston	02118
Mystic	ST	Boston	02118
New Hope	WAY	Boston	02118
Newcastle	CT	Boston	02118
Newland	PL	Boston	02118
Newland	ST	Boston	02118
Newton	ST	Boston	02118
Paul	PL	Boston	02118
Paul Sullivan	WAY	Boston	02118
Pelham	ST	Boston	02118
Pelham	TER	Boston	02118
Pembroke	ST	Boston	02118
Perry	ST	Boston	02118
Plympton	ST	Boston	02118
Public Alley No. 502		Boston	02118
Public Alley No. 503		Boston	02118

Public Alley No. 701		Boston	02118
Public Alley No. 705		Boston	02118
Public Alley No. 706		Boston	02118
Public Alley No. 710		Boston	02118
Public Alley No. 714		Boston	02118
Public Alley No. 715		Boston	02118
Public Alley No. 716		Boston	02118
Public Alley No. 716		Boston	02118
Public Alley No. 718		Boston	02118
Public Alley No. 719		Boston	02118
Randolph	ST	Boston	02118
Ringgold	ST	Boston	02118
Rollins	ST	Boston	02118
Rutland	ST	Boston	02118
Rutland	SQ	Boston	02118
Saint George	ST	Boston	02118
San Juan	ST	Boston	02118
Shawmut	AVE	Boston	02118
Springfield	ST	Boston	02118
Stoughton	ST	Boston	02118
Taylor	ST	Boston	02118
Thayer	ST	Boston	02118
Thorn	ST	Boston	02118
Traveler	ST	Boston	02118
Tremont	ST	Boston	02118

Union	PARK	Boston	02118
Union Park	ST	Boston	02118
Upton	ST	Boston	02118
Village	CT	Boston	02118
Waltham	ST	Boston	02118
Ward	WAY	Boston	02118
Wareham	ST	Boston	02118
Washington	ST	Boston	02118
Waterford	ST	Boston	02118
Wellington	ST	Boston	02118
Wilkes	PSGE	Boston	02118
William E Mullins	WAY	Boston	02118
Worcester	ST	Boston	02118
Worcester	SQ	Boston	02118
Biosquare	DR	Roxbury	02118
Columbus	AVE	Roxbury	02118
Comet	PL	Roxbury	02118
Gage	ST	Roxbury	02118
Hampton	CT	Roxbury	02118
Harrison	AVE	Roxbury	02118
Melnea Cass	BLVD	Roxbury	02118
Northampton	ST	Roxbury	02118
Parmelee	ST	Roxbury	02118
Public Alley No. 802		Roxbury	02118
Public Alley No. 804		Roxbury	02118

Shawmut	AVE	Roxbury	02118
Trask	ST	Roxbury	02118
Tremont	ST	Roxbury	02118
Washington	ST	Roxbury	02118
Albany	ST	South Boston	02118
Dade	ST	Roxbury	02119
Eustis	ST	Roxbury	02119
Melnea Cass	BLVD	Roxbury	02119
Renfrew	ST	Roxbury	02119
Washington	ST	Roxbury	02119
Williams	ST	Roxbury	02119
Wigglesworth	ST	Roxbury	02120
Worthington	ST	Roxbury	02120
Massachusetts	TPKE	South Boston	02127
RAMP - RT 90 WB TO RT 93		South Boston	02127
Summer	ST	South Boston	02127
Beacon	ST	Boston	02133
Ayr	RD	Allston-Brighton	02135
Beacon	ST	Allston-Brighton	02135
Braemore	RD	Allston-Brighton	02135
Chestnut Hill	AVE	Allston-Brighton	02135
Chestnut Hill	DR	Allston-Brighton	02135
Chiswick	RD	Allston-Brighton	02135
Claymoss	RD	Allston-Brighton	02135
Colborne	RD	Allston-Brighton	02135

Colliston	RD	Allston-Brighton	02135
Commonwealth	AVE	Allston-Brighton	02135
Corey	RD	Allston-Brighton	02135
Cummings	RD	Allston-Brighton	02135
Egremont	RD	Allston-Brighton	02135
Englewood	AVE	Allston-Brighton	02135
Euston	RD	Allston-Brighton	02135
Foster	ST	Allston-Brighton	02135
Gerald	RD	Allston-Brighton	02135
Greycliff	RD	Allston-Brighton	02135
Kilsyth	TER	Allston-Brighton	02135
Kilsyth	RD	Allston-Brighton	02135
Kinross	RD	Allston-Brighton	02135
Kirkwood	RD	Allston-Brighton	02135
Lanark	RD	Allston-Brighton	02135
Leamington	RD	Allston-Brighton	02135
Lothian	RD	Allston-Brighton	02135
Mount Hood	RD	Allston-Brighton	02135
Nottingham	PATH	Allston-Brighton	02135
Orchard	RD	Allston-Brighton	02135
Orkney	RD	Allston-Brighton	02135
Prendergast	AVE	Allston-Brighton	02135
Ransom	RD	Allston-Brighton	02135
Selkirk	RD	Allston-Brighton	02135
Sidlaw	RD	Allston-Brighton	02135

South	ST	Allston-Brighton	02135
Strathmore	RD	Allston-Brighton	02135
Sutherland	RD	Allston-Brighton	02135
Wallingford	RD	Allston-Brighton	02135
Williston	RD	Allston-Brighton	02135
Wilson	PARK	Allston-Brighton	02135
A	ST	South Boston	02210
Baldwin	PL	South Boston	02210
Binford	ST	South Boston	02210
Calvin	PL	South Boston	02210
Channel Center	ST	South Boston	02210
Congress	ST	South Boston	02210
Farnsworth	ST	South Boston	02210
Iron	ST	South Boston	02210
Massachusetts	TPKE	South Boston	02210
Medallion	AVE	South Boston	02210
Melcher	ST	South Boston	02210
Mount Washington	AVE	South Boston	02210
Necco	ST	South Boston	02210
Necco	CT	South Boston	02210
Necco	PL	South Boston	02210
RAMP - RT 90 EB TO HAUL ROAD &		South Boston	02210
RAMP - RT 93 NB TO RT 90 EB		South Boston	02210
RT 90 EB HOV LANE		South Boston	02210
Sleeper	ST	South Boston	02210

Stillings	ST	South Boston	02210
Summer	ST	South Boston	02210
Thomson	PL	South Boston	02210
Wormwood	ST	South Boston	02210
Back	ST	Boston	02215
Bay State	RD	Boston	02215
Beacon	ST	Boston	02215
Charlesgate		Boston	02215
Commonwealth	AVE	Boston	02215
Deerfield	ST	Boston	02215
Granby	ST	Boston	02215
Harvard	BRG	Boston	02215
Marlborough	ST	Boston	02215
Massachusetts	AVE	Boston	02215
Newbury	ST	Boston	02215
Raleigh	ST	Boston	02215
RAMP - MASSACHUSETTS AVENUE TO		Boston	02215
Silber	WAY	Boston	02215
Evans	RD	na	02445
Orchard	RD	na	02445
Reservoir	CT	na	02445

15) Historical Significant Light Pole Designs:

There is approximately 2800 Gas lit lamps spread across six (6) neighborhoods;

- 1) South Boston
- 2) South End

- 3) North End
- 4) Charlestown
- 5) Beacon Hill (Lit 24 hours a day)
- 6) Bay Village

There are two (2) types of Gas Lamps;

- 1) Welchbach Gaslight
- 2) Colonial Gaslight

EXHIBIT B (Ward Map – Each Ward Considered a Neighborhood)

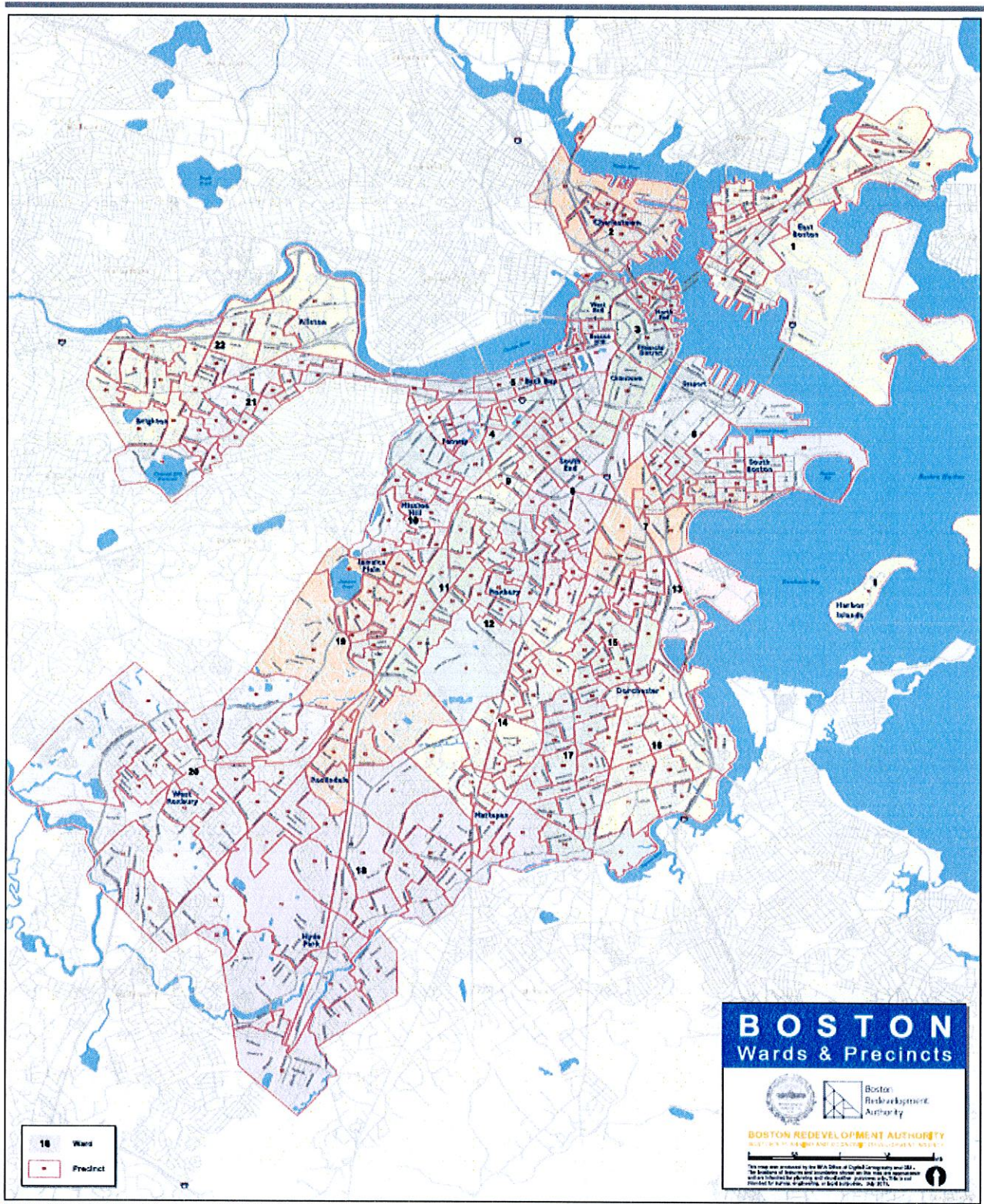


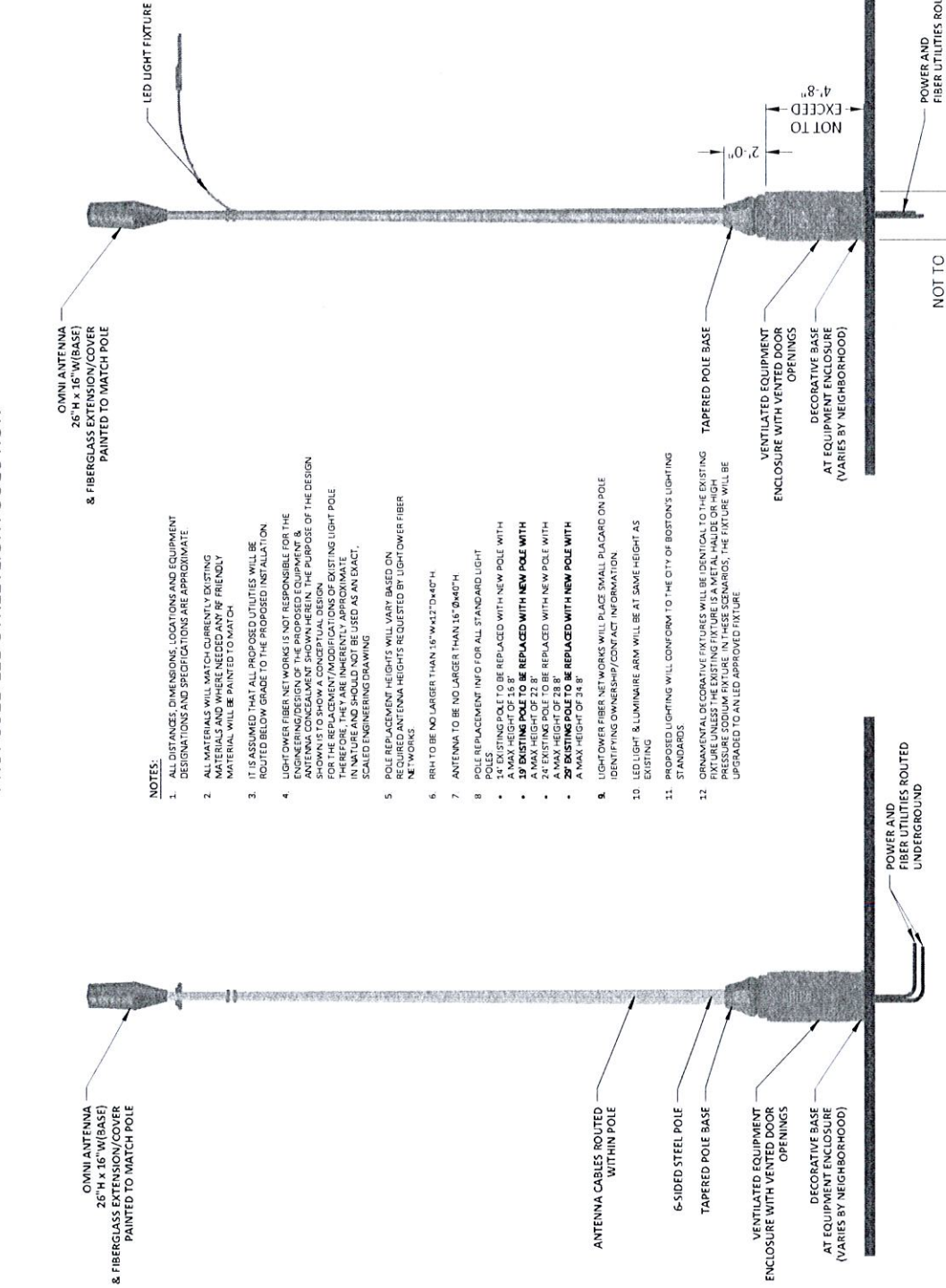
EXHIBIT X-1

SCHEDULE OF APPROVED WIRELESS FACILITIES

Facility Number	X-1 Standard Concrete Light Pole RRH Concealment
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (streetlight) <input type="checkbox"/> Attach to existing City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (traffic signal) <input type="checkbox"/> Attach to existing City Property Pole (traffic signal) <input type="checkbox"/> Attach to existing City Pole (street furniture) <input type="checkbox"/> Attach to existing City Property Pole (street furniture) <input type="checkbox"/> Attach to Non-City Pole
Attachment Type Detail	<i>Standard concrete light pole (existing or replacement)</i>
Physical Description	<p><i>Mount antenna (no more than 16" diameter and no more than 40" height) in fiberglass enclosure painted to match pole and affixed to top of pole with tapered extension. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and will be painted and designed to match exterior pole.</i></p> <p><i>Pole Replacement information for all standard lightpoles</i></p> <ul style="list-style-type: none"> • <i>14' existing pole to be replaced with new pole and a max height of 16.8'</i> • <i>19' existing pole to be replaced with new pole with a max height of 22.8'</i> • <i>24' existing pole to be replaced with new pole with a max height of 28.8'</i> • <i>29' existing pole to be replaced with new pole with a max height of 34.8'</i>
Concealment	<i>Antenna contained within enclosure painted and tapered to match pole. Cables run inside pole. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and 4'8" in height. A maximum of an additional 2' above enclosure will be used to add decorative tapering.</i>
Included Documents	<p><i>The following documents:</i></p> <ol style="list-style-type: none"> <i>A. For each Attachment Type listed or checked above, an engineering drawing of replacement pole or existing pole with attached equipment. The drawing must show the location on the pole where each component of the Wireless Facility is attached or enclosed. Drawings should depict any underground portion of the typical installation for that Attachment Type.</i> <i>B. Photo showing an example of each Attachment Type listed or checked above.</i> <i>C. Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility is installed.</i> <p><i>Engineering drawings and photo attachments should reflect the dimensions and characteristics of a representative actual City Pole or City Property Pole of the type to which the Approved Wireless Facility design applies rather than generic examples. Where there is considerable variation among City Poles/City Property Poles of a particular type (e.g. traffic signals), drawings can show a typical installation, provided that equipment volumes and attachment locations will not vary significantly from one installation to the next in ways that are material to the City's interests.</i></p>
RF Compliance Information	<p>X Facility conforms to information already on file</p> <ul style="list-style-type: none"> • Information attached

Comments	
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PROPOSED LED STREETLIGHT SOLUTION

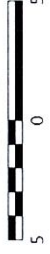


NOTES:

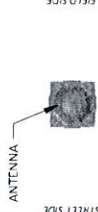
- ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE
- ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS UNLESS NOTED OTHERWISE. FRIENDLY MATERIALS WILL BE PAINTED TO MATCH.
- IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
- LIGHTOWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE ENGINEERING/DESIGN OF THE PROPOSED EQUIPMENT & ANTENNA CONCEALMENT SHOWN HEREIN. THE PURPOSE OF THE DESIGN IS TO PROVIDE AN AESTHETIC SOLUTION FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE. THEREFORE, THEY ARE INHERENTLY APPROXIMATE IN NATURE AND SHOULD NOT BE USED AS AN EXACT, SCALED ENGINEERING DRAWING.
- POLE REPLACEMENT HEIGHTS WILL VARY BASED ON REQUIRED ANTENNA HEIGHTS REQUESTED BY LIGHTOWER FIBER NETWORKS.
- ARM TO BE NO LARGER THAN 1.5" W x 1.2" D x 4' L.
- ANTENNA TO BE NO LARGER THAN 15" Ø x 40" H.
- POLE REPLACEMENT INFO FOR ALL STANDARD LIGHT POLES:
 - 14' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 15' B'
 - 19' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 20' B'
 - 24' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 28' B'
 - 29' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 34' B'
- LIGHTOWER FIBER NETWORKS WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
- LED LIGHT & LUMINAIRE ARM WILL BE AT SAME HEIGHT AS EXISTING.
- PROPOSED LIGHTING WILL CONFORM TO THE CITY OF BOSTON'S LIGHTING STANDARDS.
- ORNAMENTAL DECORATIVE FIXTURES WILL BE IDENTICAL TO THE EXISTING FIXTURE UNLESS THE EXISTING FIXTURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN LED APPROVED FIXTURE.

① PROPOSED PROFILE - REAR VIEW
FROM FIELD LOOKING TOWARDS ROAD

SCALE IN FEET



② PROPOSED PROFILE - SIDE VIEW
FROM ROADSIDE LOOKING UP ROAD



PROPOSED TOP VIEW
SCALE: 1"=4'
CABLES & ANTENNA EQUIPMENT NOT SHOWN FOR CLARITY

LOCATION: BOSTON, MA

NOTE:

PREPARED BY **lightower** fiber networks

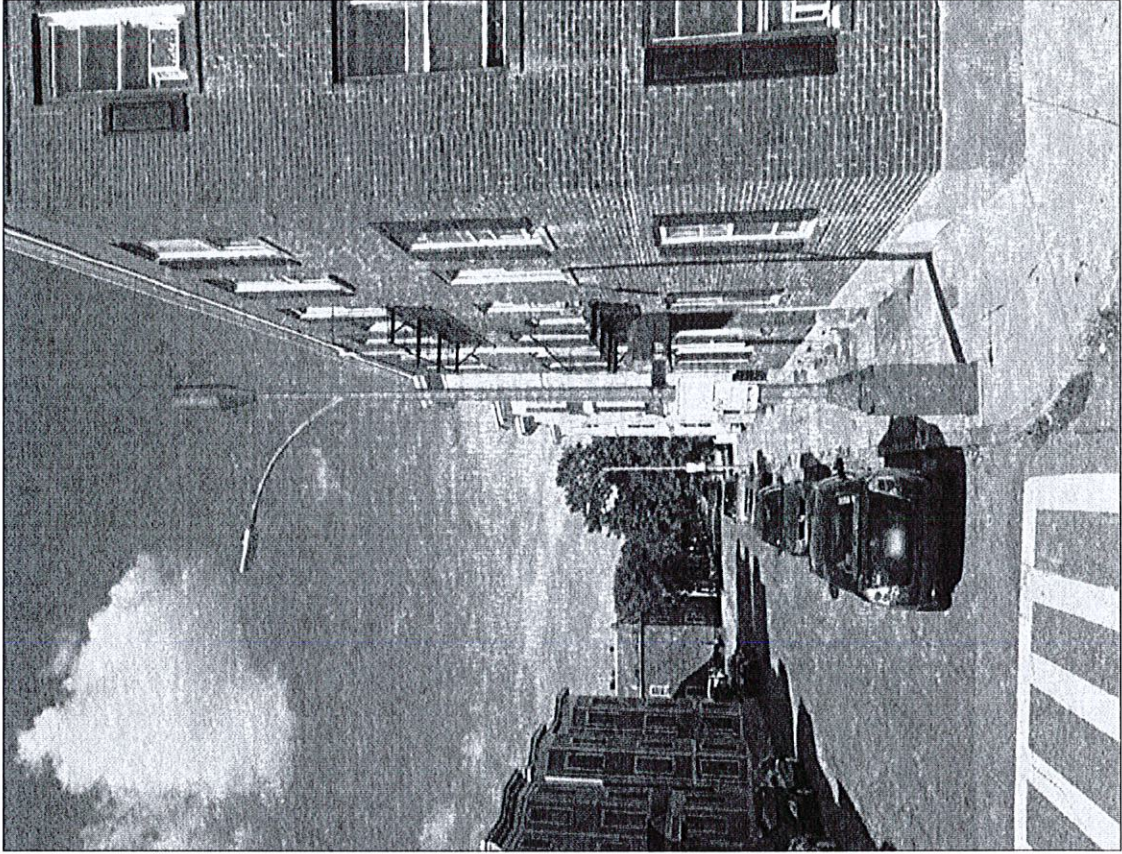
UC SYNERGETIC
A Division of Lighting Equipment Solutions
1000 WASHINGTON STREET
MANSFIELD, MA 02148
WWW.USIPN.COM 1-800-337-7400

FIBERTECH SMALL CELL
PROPOSED

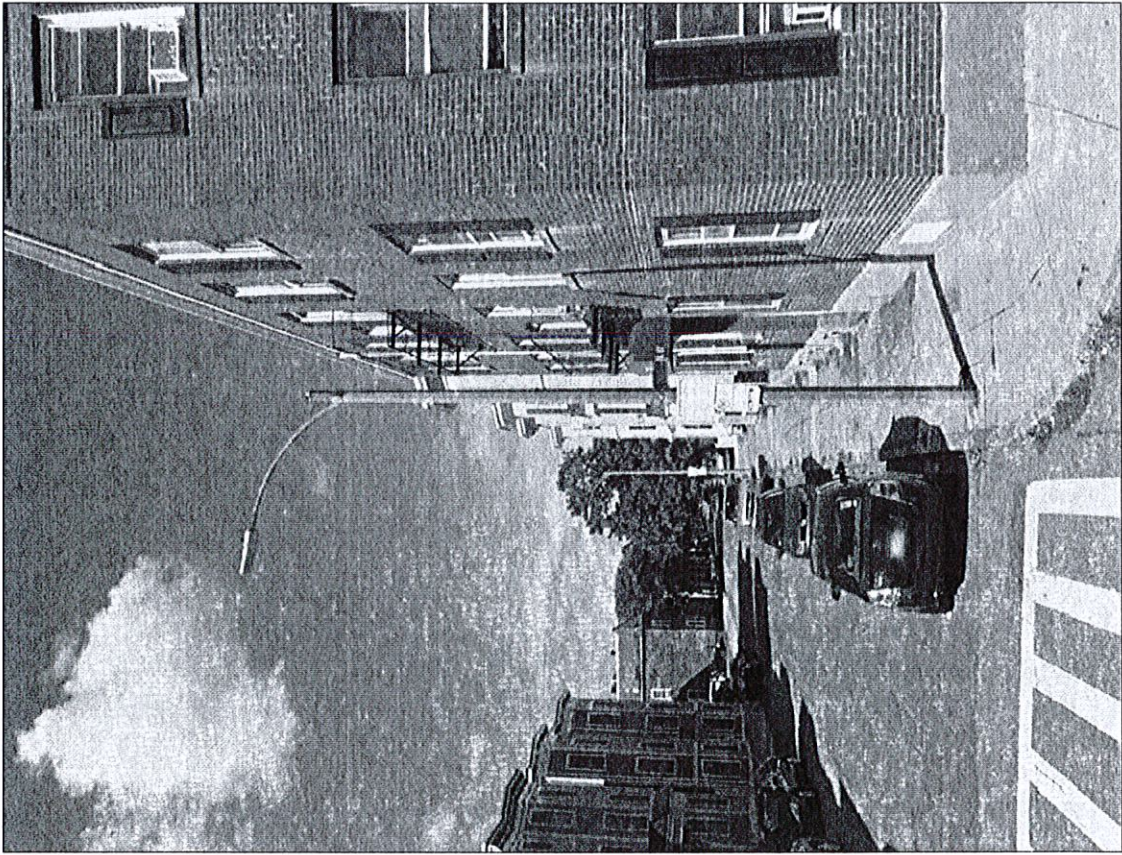
REV	DATE	DESCRIPTION

DRAWN	
CHECKED	
DATE	11/27/16
SCALE	AS SHOWN

SHEET # 1 OF 2



PROPOSED PHOTOGRAPHIC SIMULATION



EXISTING PHOTOGRAPHIC VIEW

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR
lighttower
 fiber networks

PREPARED BY
UC SYNERGETIC
 22 OXFORD RD
 SUITE 100
 WILMINGTON, MA 01898
 WWW.UCSYNERGETIC.COM 508.337.7020

FIBERTECH SMALL CELL
 PHOTO SIM

REV	DESCRIPTION	DATE

DATE	DATE

EXHIBIT X-2

SCHEDULE OF APPROVED WIRELESS FACILITIES

Facility Number	X-2 Aeriata Light Pole RRH Concealment
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (streetlight) <input type="checkbox"/> Attach to existing City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (traffic signal) <input type="checkbox"/> Attach to existing City Property Pole (traffic signal) <input type="checkbox"/> Attach to existing City Pole (street furniture) <input type="checkbox"/> Attach to existing City Property Pole (street furniture) <input type="checkbox"/> Attach to Non-City Pole
Attachment Type Detail	<i>Aeriata Light Pole RRH Concealment (existing or replacement)</i>
Physical Description	<p><i>Mount antenna (no more than 16" diameter and no more than 40" height) in fiberglass enclosure painted to match pole and affixed to top of pole with tapered extension. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and will be painted and designed to match exterior pole.</i></p> <p><i>Pole Replacement information for all standard lightpoles</i></p> <ul style="list-style-type: none"> • 14' existing pole to be replaced with new pole and a max height of 16.8' • 19' existing pole to be replaced with new pole with a max height of 22.8' • 24' existing pole to be replaced with new pole with a max height of 28.8' • 29' existing pole to be replaced with new pole with a max height of 34.8'
Concealment	<i>Antenna contained within enclosure painted and tapered to match pole. Cables run inside pole. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and 4'8" in height. A maximum of an additional 2' above enclosure will be used to add decorative tapering.</i>
Included Documents	<p><i>The following documents:</i></p> <ul style="list-style-type: none"> A. <i>For each Attachment Type listed or checked above, an engineering drawing of replacement pole or existing pole with attached equipment. The drawing must show the location on the pole where each component of the Wireless Facility is attached or enclosed. Drawings should depict any underground portion of the typical installation for that Attachment Type.</i> B. <i>Photo showing an example of each Attachment Type listed or checked above.</i> C. <i>Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility is installed.</i> <p><i>Engineering drawings and photo attachments should reflect the dimensions and characteristics of a representative actual City Pole or City Property Pole of the type to which the Approved Wireless Facility design applies rather than generic examples. Where there is considerable variation among City Poles/City Property Poles of a particular type (e.g. traffic signals), drawings can show a typical installation, provided that equipment volumes and attachment locations will not vary significantly from one installation to the next in ways that are material to the City's interests.</i></p>
RF Compliance Information	<p>X Facility conforms to information already on file</p> <ul style="list-style-type: none"> • Information attached

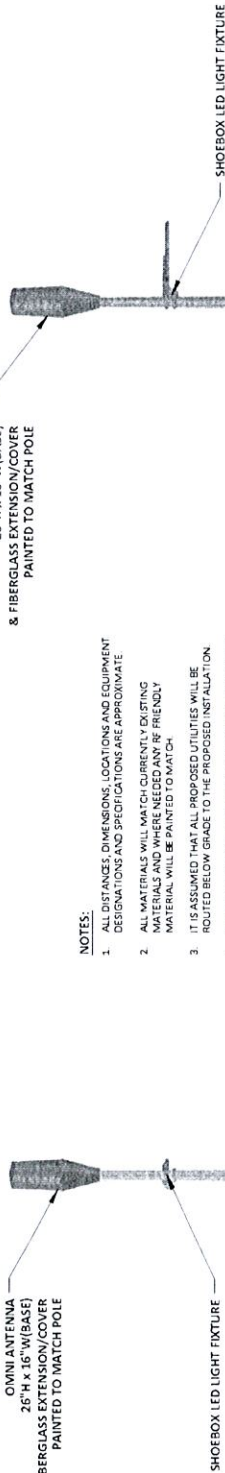
Comments	
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PROPOSED SINGLE STUB LED STREETLIGHT SOLUTION



ANTENNA

OMNI ANTENNA
26" H x 16" W (BASE)
& FIBERGLASS EXTENSION/COVER
PAINTED TO MATCH POLE



SHOEBOX LED LIGHT FIXTURE

NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS AND FINISHES NECESSARY FOR FRIENDLY MATERIALS WILL BE PAINTED TO MATCH.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
4. LIGHT TOWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE ENGINEERING/DESIGN OF THE PROPOSED EQUIPMENT & ANTENNA CONCEALMENT SHOWN HEREIN. THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A CONCEPTUAL DESIGN. THE DESIGNER HAS CONDUCTED VISUAL CHECKS OF EXISTING LIGHT POLES IN THE AREA AND SHOULD NOT BE USED AS AN EXACT, SCALED ENGINEERING DRAWING.
5. POLE REPLACEMENT HEIGHTS WILL VARY BASED ON REQUIRED ANTENNA HEIGHTS REQUESTED BY LIGHT TOWER FIBER NETWORKS.
6. RMH TO BE NO LARGER THAN 16" W x 42" D x 46" H.
7. ANTENNA TO BE NO LARGER THAN 16" Ø x 40" H.
8. POLE REPLACEMENT INFO FOR ALL STANDARD LIGHT FIXTURES:
 - 18' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 16.8'
 - 19' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 22.8'
 - 20' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 28.8'
 - 21' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 34.8'
9. LIGHT TOWER FIBER NETWORKS WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
10. LED LIGHT & LUMINAIRE ARM WILL BE AT SAME HEIGHT AS EXISTING.
11. PROPOSED LIGHTING WILL CONFORM TO THE CITY OF BOSTON'S LIGHTING STANDARDS.
12. ORNAMENTAL DECORATIVE FIXTURES WILL BE IDENTICAL TO THE EXISTING FIXTURE UNLESS THE EXISTING FIXTURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN LED APPROVED FIXTURE.

OMNI ANTENNA
26" H x 16" W (BASE)
& FIBERGLASS EXTENSION/COVER
PAINTED TO MATCH POLE

SHOEBOX LED LIGHT FIXTURE

ANTENNA CABLES ROUTED
WITHIN POLE

6-SIDED STEEL POLE
TAPERED POLE BASE

VENTILATED EQUIPMENT
ENCLOSURE WITH VENTED DOOR
OPENINGS

DECORATIVE BASE
AT EQUIPMENT ENCLOSURE
(VARIES BY NEIGHBORHOOD)

POWER AND
FIBER UTILITIES ROUTED
UNDERGROUND

SCALE IN FEET



1 PROPOSED PROFILE - REAR VIEW
FROM FIELD LOOKING TOWARDS ROAD

2 PROPOSED PROFILE - SIDE VIEW
FROM ROADSIDE LOOKING UP ROAD

PROPOSED TOP VIEW

SCALE: 1"=4'
DATE: 11/27/20
CABLES & EQUIPMENT EQUIPMENT
NOT SHOWN FOR CLARITY

LOCATION

BOSTON, MA

NOTES

PREPARED FOR



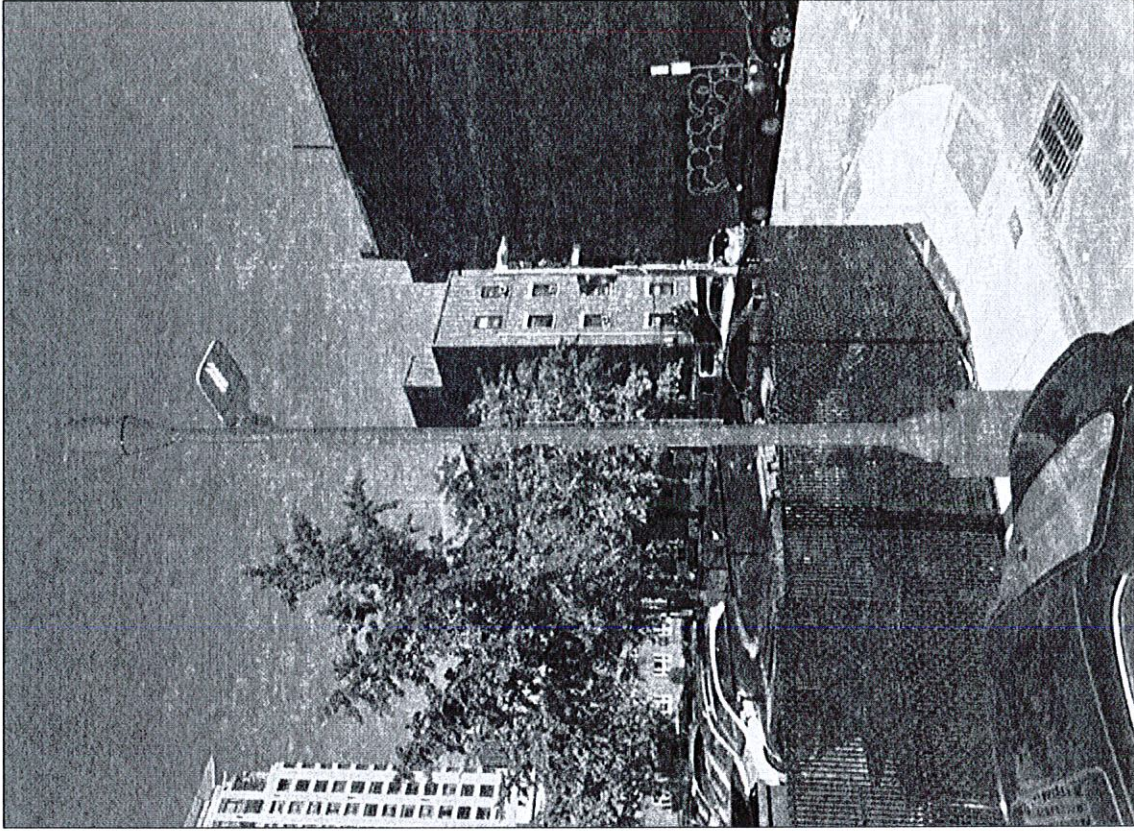
PREPARED BY
UC SYNERGETIC
A Division of Lighting & Illumination, Inc.
1000 WASHINGTON STREET
MAVON, IL 60458
www.uci.com
312.908.3377/5000

FIBERTECH SMALL CELL
PROPOSED

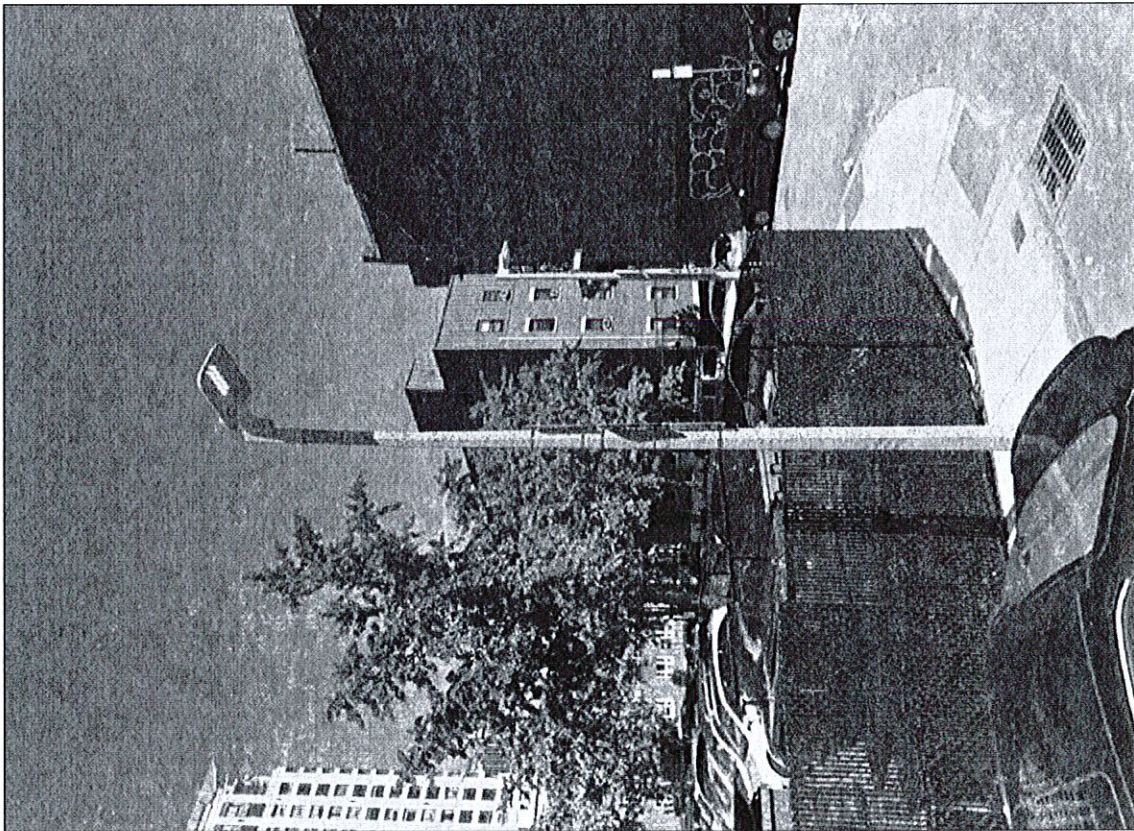
REV	DATE	DESCRIPTION

DRAWN BY	
CHECKED BY	
DATE	
SCALE	1" = 4'
PROJECT NO.	1427270
DATE	11/27/20
DESIGNER	UCI/AA/000
SHEET #	1 OF 2

1



PROPOSED PHOTOGRAPHIC SIMULATION



EXISTING PHOTOGRAPHIC VIEW

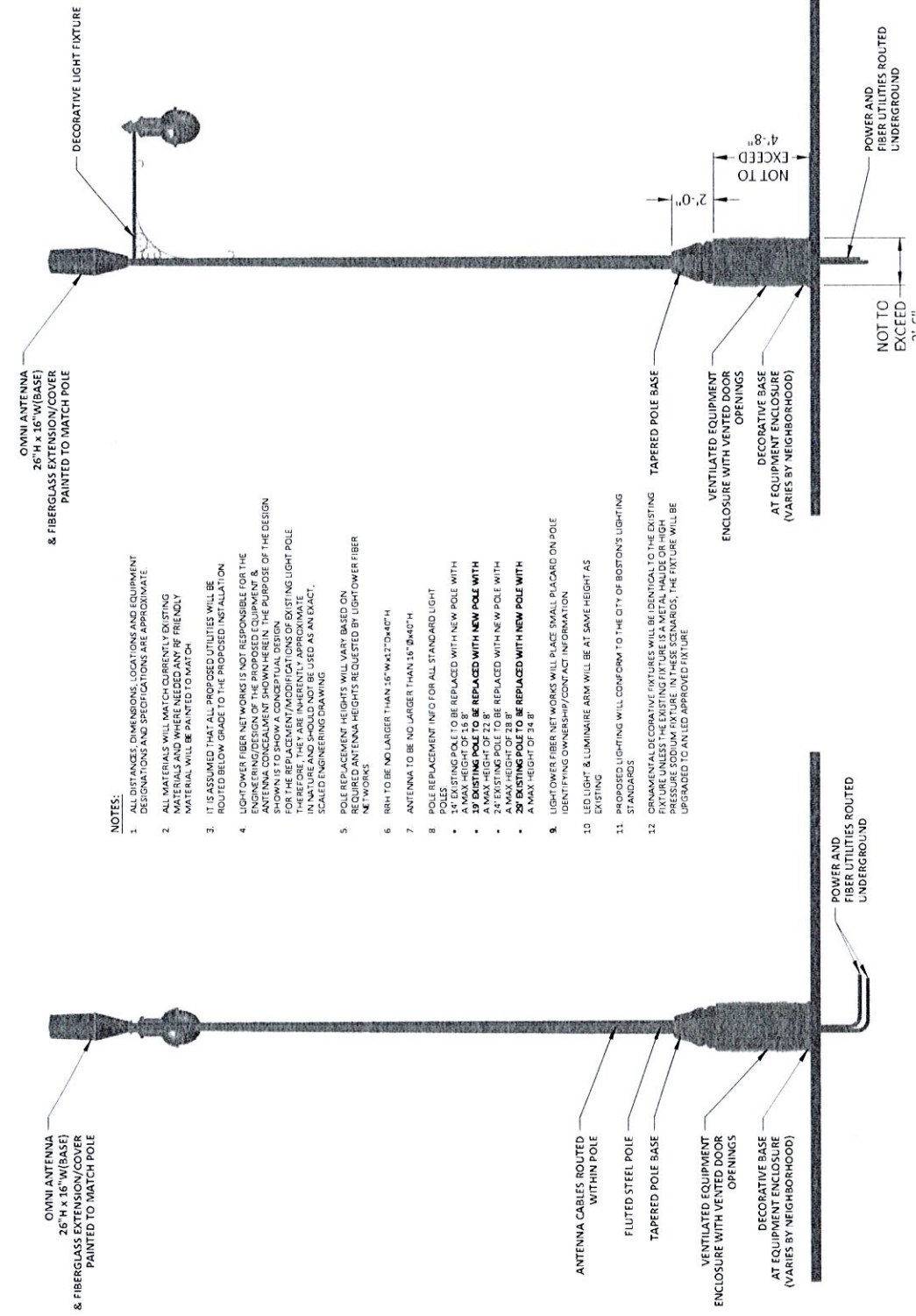
LOCATION	BOSTON, MA
NOTES	
PREPARED FOR	lighttower fiber networks
PREPARED BY	UC SYNERGETIC Fiber optic design & network solutions MASSACHUSETTS, USA 02088 www.lighting.com 1-888-337-7600
FIBERTECH SMALL CELL PHOTO SIM	
DATE	08/11/2010
TIME	10:00 AM
SCALE	1:100
PROJECT	100000000
PROJECT NAME	100000000
PROJECT #	100000000

EXHIBIT X-3

SCHEDULE OF APPROVED WIRELESS FACILITIES

Facility Number	X-3 Pendant Light Pole RRH Concealment
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (streetlight) <input type="checkbox"/> Attach to existing City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (traffic signal) <input type="checkbox"/> Attach to existing City Property Pole (traffic signal) <input type="checkbox"/> Attach to existing City Pole (street furniture) <input type="checkbox"/> Attach to existing City Property Pole (street furniture) <input type="checkbox"/> Attach to Non-City Pole
Attachment Type Detail	<i>Pendant Light Pole RRH Concealment (existing or replacement)</i>
Physical Description	<p><i>Mount antenna (no more than 16" diameter and no more than 40" height) in fiberglass enclosure painted to match pole and affixed to top of pole with tapered extension. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and will be painted and designed to match exterior pole. Pole Replacement information for all standard lightpoles</i></p> <ul style="list-style-type: none"> • 21' existing pole to be replaced with new pole and a max height of 25.2' • 25' existing pole to be replaced with new pole with a max height of 30'
Concealment	<i>Antenna contained within enclosure painted and tapered to match pole. Cables run inside pole. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and 4'8" in height. A maximum of an additional 2' above enclosure will be used to add decorative tapering.</i>
Included Documents	<p><i>The following documents:</i></p> <ul style="list-style-type: none"> A. <i>For each Attachment Type listed or checked above, an engineering drawing of replacement pole or existing pole with attached equipment. The drawing must show the location on the pole where each component of the Wireless Facility is attached or enclosed. Drawings should depict any underground portion of the typical installation for that Attachment Type.</i> B. <i>Photo showing an example of each Attachment Type listed or checked above.</i> C. <i>Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility is installed.</i> <p><i>Engineering drawings and photo attachments should reflect the dimensions and characteristics of a representative actual City Pole or City Property Pole of the type to which the Approved Wireless Facility design applies rather than generic examples. Where there is considerable variation among City Poles/City Property Poles of a particular type (e.g. traffic signals), drawings can show a typical installation, provided that equipment volumes and attachment locations will not vary significantly from one installation to the next in ways that are material to the City's interests.</i></p>
RF Compliance Information	<input checked="" type="checkbox"/> Facility conforms to information already on file <ul style="list-style-type: none"> • Information attached
Comments	

PROPOSED SPRING CITY STREETLIGHT SOLUTION



NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NECESSARY BE FRIENDLY MATERIAL WILL BE PAINTED TO MATCH.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
4. LIGHTOWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE ENGINEERING/DESIGN OF THE PROPOSED EQUIPMENT & ANTENNA CONFIGURATION SHOWN HEREIN. THE PURPOSE OF THE DESIGN IS TO PROVIDE A GENERAL IDEA OF THE PROPOSED SOLUTION FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE. THEREFORE, THEY ARE INHERENTLY APPROXIMATE IN NATURE AND SHOULD NOT BE USED AS AN EXACT, SCALED ENGINEERING DRAWING.
5. POLE REPLACEMENT HEIGHTS WILL VARY BASED ON REQUIRED ANTENNA HEIGHTS REQUESTED BY LIGHTOWER FIBER NETWORKS.
6. RMH TO BE NO LARGER THAN 15" W x 12" D x 4" H.
7. ANTENNA TO BE NO LARGER THAN 15" D x 40" H.
8. POLE REPLACEMENT INFO FOR ALL STANDARD LIGHT POLES:
 - 14' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 35' 8"
 - 19' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 40' 8"
 - 24' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 45' 8"
 - 29' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 50' 8"
9. LIGHTOWER FIBER NETWORKS WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
10. LED LIGHT & LUMINAIRE ARM WILL BE AT SAME HEIGHT AS EXISTING.
11. PROPOSED LIGHTING WILL CONFORM TO THE CITY OF BOSTON'S LIGHTING STANDARDS.
12. ORNAMENTAL DECORATIVE FIXTURES WILL BE IDENTICAL TO THE EXISTING FIXTURE UNLESS THE EXISTING FIXTURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN LED APPROVED FIXTURE.



① PROPOSED PROFILE - REAR VIEW
FROM FIELD LOOKING TOWARDS ROAD

② PROPOSED PROFILE - SIDE VIEW
FROM ROADSIDE LOOKING UP ROAD



PROPOSED TOP VIEW

SCALE: 1"=4'
NOTE:
CABLES & CONTROL/EQUIPMENT
NOT SHOWN FOR CLARITY.

LOCATION: BOSTON, MA

NOTES:

PREPARED FOR:



PREPARED BY:
UC/SYNERGETIC
100 STATE STREET
MANCHESTER, MA 02108
www.ucsp.com 1-800-337-7000

FIBERTECH SMALL CELL
PROPOSED

REV	DESCRIPTION	DATE

DATE: 08/11/2014	BY: [Signature]
SCALE: 1"=4'	PROJECT NO: 122804
PROJECT NAME: 15000A.0000	DATE: 11/18/13
SHEET 1 OF 2	

1



PROPOSED PHOTOGRAPHIC SIMULATION



EXISTING PHOTOGRAPHIC VIEW

LOCATION: BOSTON, MA

NOTE:

PREPARED BY
lightower
 fiber networks

PREPARED BY
UC SYNERGETIC
 A Division of Interbay Group
 1000 WASHINGTON STREET
 MANASSAS, VA 20108
 WWW.UCSYNERGETIC.COM 1-800-337-7000

FIBERTECH SMALL CELL
 PHOTO SIM

REV	REVISIONS	DATE

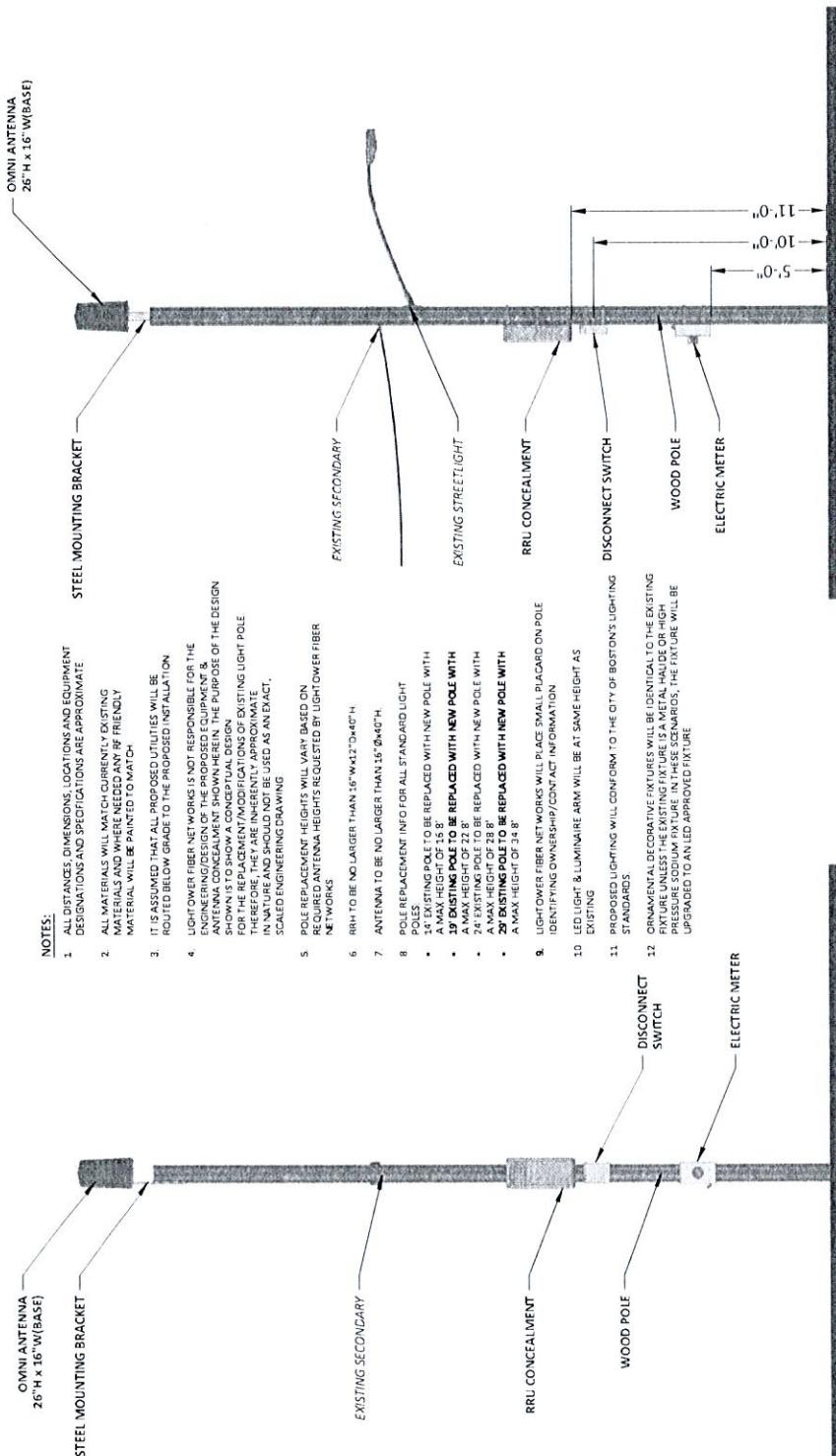
DRAWN	DATE
CHECKED	DATE
IN CHARGE	DATE
SCALE	
PROJECT NAME	
PROJECT NO.	
DATE	

EXHIBIT X-4

SCHEDULE OF APPROVED WIRELESS FACILITIES

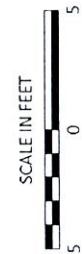
Facility Number	X-4 Wood Utility Pole Antenna Top Mount
Attachment Types <i>(check all that apply and provide detail below)</i>	<input type="checkbox"/> Replacement City Pole (streetlight) <input type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (streetlight) <input type="checkbox"/> Attach to existing City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (traffic signal) <input type="checkbox"/> Attach to existing City Property Pole (traffic signal) <input type="checkbox"/> Attach to existing City Pole (street furniture) <input type="checkbox"/> Attach to existing City Property Pole (street furniture) <input checked="" type="checkbox"/> Attach to Non-City Pole
Attachment Type Detail	Wood Utility Pole Antenna Top Mount <i>(existing or replacement)</i>
Physical Description	<i>Mount antenna (no more than 16" diameter and no more than 40" height) in fiberglass enclosure painted to match pole and affixed to top of pole. Remote radiohead, power and fiber equipment mounted to side of pole and connected to Fiber Demarc on pole.</i>
Concealment	<i>Remote radiohead, power and fiber equipment mounted to side of pole and connected to Fiber Demarc on pole.</i>
Included Documents	<p><i>The following documents:</i></p> <ul style="list-style-type: none"> <i>A. For each Attachment Type listed or checked above, an engineering drawing of replacement pole or existing pole with attached equipment. The drawing must show the location on the pole where each component of the Wireless Facility is attached or enclosed. Drawings should depict any underground portion of the typical installation for that Attachment Type.</i> <i>B. Photo showing an example of each Attachment Type listed or checked above.</i> <i>C. Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility is installed.</i> <p><i>Engineering drawings and photo attachments should reflect the dimensions and characteristics of a representative actual City Pole or City Property Pole of the type to which the Approved Wireless Facility design applies rather than generic examples. Where there is considerable variation among City Poles/City Property Poles of a particular type (e.g. traffic signals), drawings can show a typical installation, provided that equipment volumes and attachment locations will not vary significantly from one installation to the next in ways that are material to the City's interests.</i></p>
RF Compliance Information	X Facility conforms to information already on file <ul style="list-style-type: none"> • Information attached
Comments	

PROPOSED (POLE TOP) WOOD POLE SOLUTION



NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE
2. ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NECESSARY BE FRIENDLY MATERIAL WILL BE PAINTED TO MATCH.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
4. LIGHT TOWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE ENGINEERING/DESIGN OF THE PROPOSED EQUIPMENT & MATERIALS. THE CLIENT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE DRAWING SHOWS AN APPROXIMATE CONCEPTUAL DESIGN FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE THEREFORE, THEY ARE INHERENTLY APPROXIMATE IN NATURE AND SHOULD NOT BE USED AS AN EXACT, SCALED ENGINEERING DRAWING.
5. POLE REPLACEMENT HEIGHTS WILL VARY BASED ON REQUIRED ANTENNA HEIGHTS REQUESTED BY LIGHT TOWER FIBER NETWORKS
6. RRU TO BE NO LARGER THAN 16" W x 12" D x 40" H.
7. ANTENNA TO BE NO LARGER THAN 16" W x 40" H.
8. POLE REPLACEMENT INTO FOR ALL STANDARD LIGHT POLES
 - 14' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 15 FT
 - 18' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 20 FT
 - 24' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 28 FT
 - 29' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 34 FT
9. LIGHT TOWER FIBER NETWORKS WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION
10. LED LIGHT & LUMINAIRE ARM WILL BE AT SAME HEIGHT AS EXISTING
11. PROPOSED LIGHTING WILL CONFORM TO THE CITY OF BOSTON'S LIGHTING STANDARDS.
12. ORNAMENTAL DECORATIVE FIXTURES WILL BE IDENTICAL TO THE EXISTING FIXTURE UNLESS THE EXISTING FIXTURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADDED TO AN LED APPROVED FIXTURE.



1 PROPOSED PROFILE - REAR VIEW
FROM FIELD LOOKING TOWARDS ROAD

2 PROPOSED PROFILE - SIDE VIEW
FROM ROADSIDE LOOKING UP ROAD



PROPOSED TOP VIEW

SCALE: 1"=8'
NOTE: ALL DIMENSIONS AND EQUIPMENT DESIGNATIONS ARE APPROXIMATE

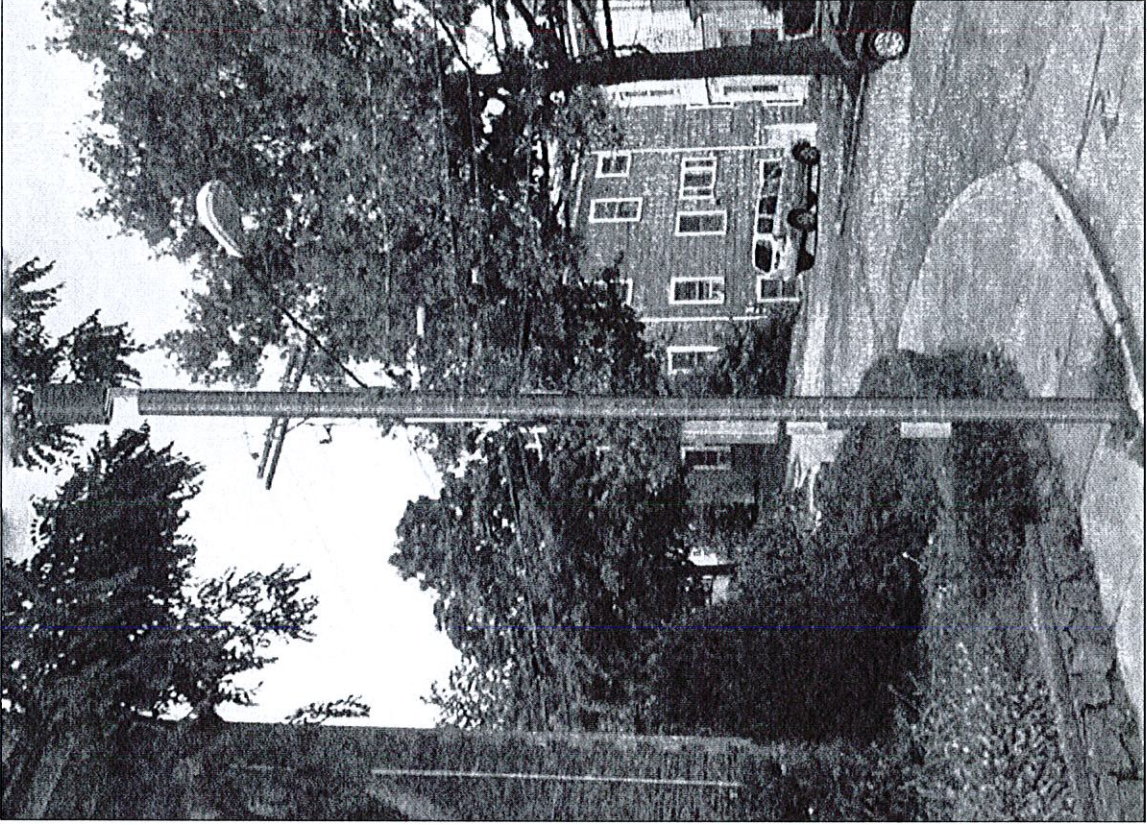
LOCATION: BROOKLINE, MA
NOTES:

light tower fiber networks
 PREPARED BY: UC/SYNERGETIC
 22 OXFORD RD
 MANCHESTER, MA 02458
 508.337.7600
 www.uctn.com

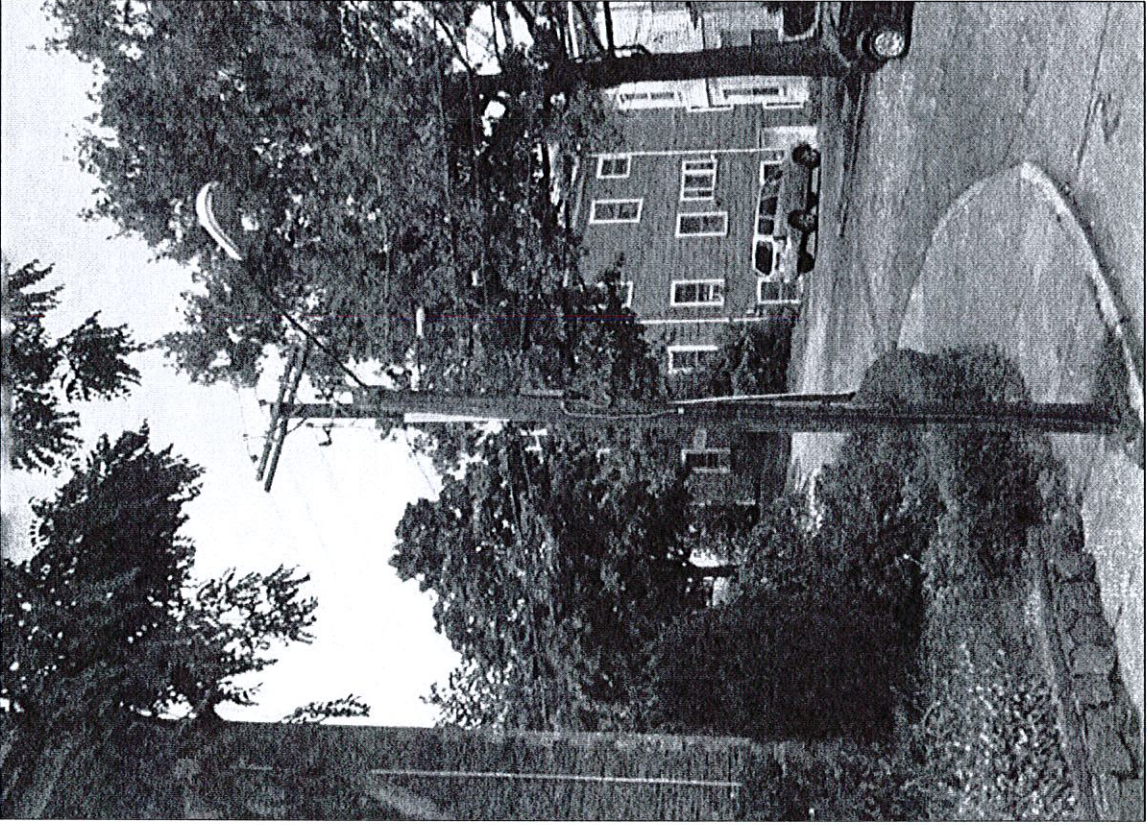
FIBERTECH SMALL CELL
 PROPOSED

REV	DESCRIPTION	DATE

DRAWN BY: ETR	DATE: 11-21
CHECKED BY: T29030	SCALE: 1"=8'
PROJECT NAME: 15044-0000	SHEET # 1 OF 3



PROPOSED PHOTOGRAPHIC SIMULATION



EXISTING PHOTOGRAPHIC VIEW

LOCATION: BROOKLINE, MA

NOTES:

PREPARED FOR
lighttower
 fiber networks

PREPARED BY
US SYNERGETIC
 100 WASHINGTON ST., SUITE 200
 BOSTON, MA 02108
 www.usyn.com 1-800-337-7000

FIBERTECH SMALL CELL
 PHOTO SIM

REV	DATE	BY	CHKD

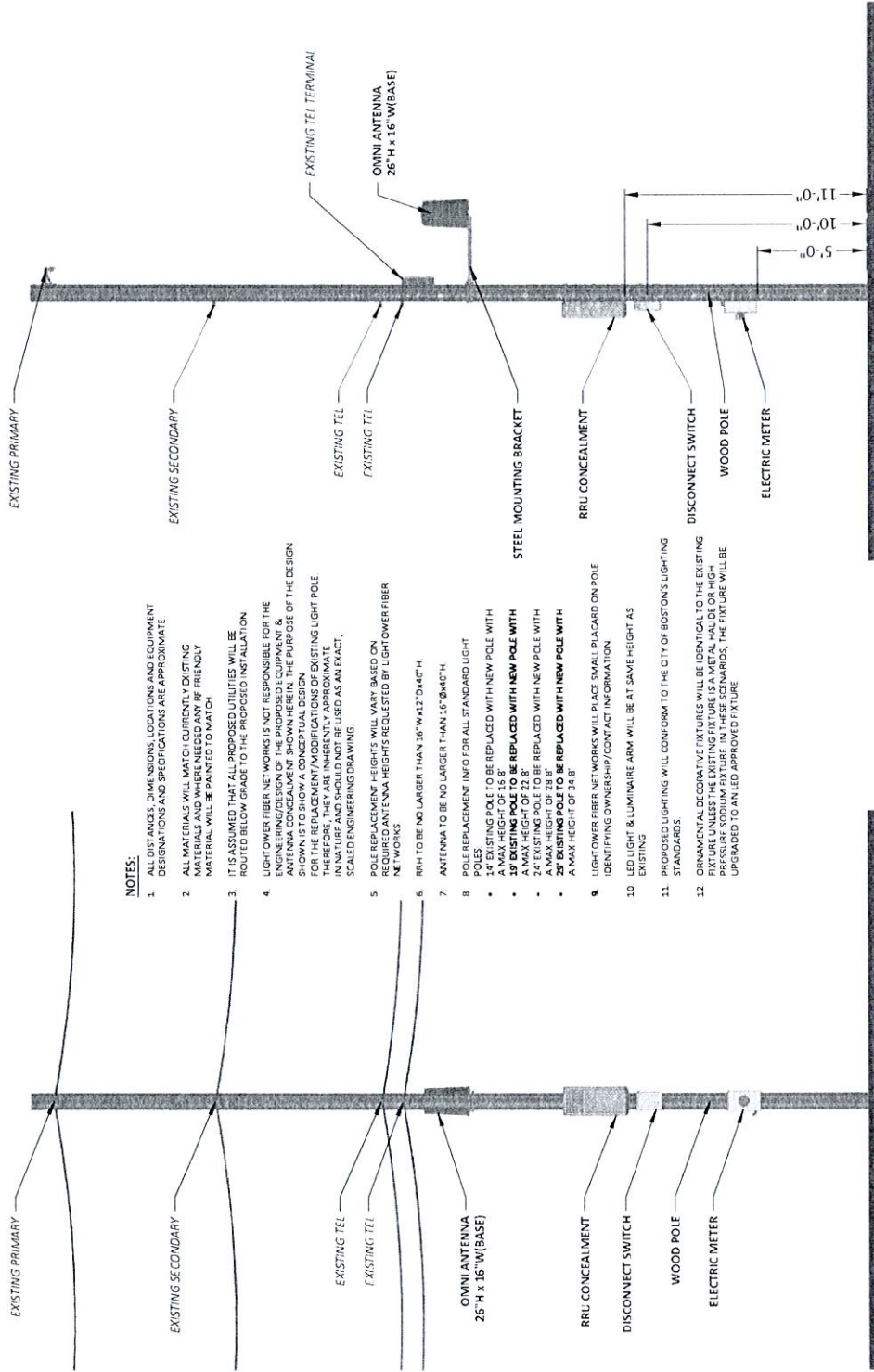
DATE	
SCALE	
PROJECT NO.	
DATE PLOTTED	

EXHIBIT X-5

SCHEDULE OF APPROVED WIRELESS FACILITIES

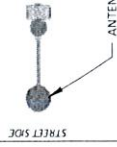
Facility Number	X-5 Wood Utility Pole Antenna Side Mount
Attachment Types <i>(check all that apply and provide detail below)</i>	<input type="checkbox"/> Replacement City Pole (streetlight) <input type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (streetlight) <input type="checkbox"/> Attach to existing City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (traffic signal) <input type="checkbox"/> Attach to existing City Property Pole (traffic signal) <input type="checkbox"/> Attach to existing City Pole (street furniture) <input type="checkbox"/> Attach to existing City Property Pole (street furniture) <input checked="" type="checkbox"/> Attach to Non-City Pole
Attachment Type Detail	Wood Utility Pole Antenna Side Mount <i>(existing or replacement)</i>
Physical Description	<i>Mount antenna (no more than 16" diameter and no more than 40" height) in fiberglass enclosure painted to match pole. Antenna placement on pole to be determined by utility requirements. Remote radiohead, power and fiber equipment mounted to side of pole and connected to Fiber Demarc on pole.</i>
Concealment	<i>Remote radiohead, power and fiber equipment mounted to side of pole and connected to Fiber Demarc on pole.</i>
Included Documents	<p><i>The following documents:</i></p> <ul style="list-style-type: none"> A. <i>For each Attachment Type listed or checked above, an engineering drawing of replacement pole or existing pole with attached equipment. The drawing must show the location on the pole where each component of the Wireless Facility is attached or enclosed. Drawings should depict any underground portion of the typical installation for that Attachment Type.</i> B. <i>Photo showing an example of each Attachment Type listed or checked above.</i> C. <i>Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility is installed.</i> <p><i>Engineering drawings and photo attachments should reflect the dimensions and characteristics of a representative actual City Pole or City Property Pole of the type to which the Approved Wireless Facility design applies rather than generic examples. Where there is considerable variation among City Poles/City Property Poles of a particular type (e.g. traffic signals), drawings can show a typical installation, provided that equipment volumes and attachment locations will not vary significantly from one installation to the next in ways that are material to the City's interests.</i></p>
RF Compliance Information	X Facility conforms to information already on file <ul style="list-style-type: none"> • Information attached
Comments	

PROPOSED (COMM ZONE) WOOD POLE SOLUTION



NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE
2. ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NECESSARY BE FRIENDLY MATERIAL. WILL BE PAINTED TO MATCH.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION
4. LIGHTOWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE ENGINEERING/DESIGN OF THE PROPOSED EQUIPMENT & MATERIALS. THE CLIENT IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE EQUIPMENT AND MATERIALS FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE THEREFORE, THEY ARE INHERENTLY APPROXIMATE IN NATURE AND SHOULD NOT BE USED AS AN EXACT, SCALED ENGINEERING DRAWING.
5. POLE REPLACEMENT HEIGHTS WILL VARY BASED ON REQUIRED ANTENNA HEIGHTS REQUESTED BY LIGHTOWER FIBER NETWORKS
6. RRUH TO BE NO LARGER THAN 16" W x 12" D x 40" H.
7. ANTENNA TO BE NO LARGER THAN 16" Ø x 40" H
8. POLE REPLACEMENT INFO FOR ALL STANDARD LIGHT POLES
 - 14' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 16' 8"
 - 19' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 21' 8"
 - 24' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 26' 8"
 - 29' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 31' 8"
9. LIGHTOWER FIBER NETWORKS WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION
10. LED LIGHT & LUMINAIRE ARM WILL BE AT SAME HEIGHT AS EXISTING
11. PROPOSED LIGHTING WILL CONFORM TO THE CITY OF BOSTON'S LIGHTING STANDARDS.
12. ORNAMENTAL DECORATIVE FIXTURES WILL BE IDENTICAL TO THE EXISTING FIXTURE UNLESS THE EXISTING FIXTURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN LED APPROVED FIXTURE



PROPOSED TOP VIEW

SCALE: 1"=4'
NOTE: CABLES & EQUIPMENT SHALL BE INSTALLED TO THE FIELD SIDE.

LOCATION: BOSTON, MA

NOTES:

PREPARED FOR:



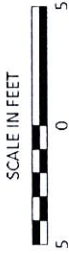
PREPARED BY:
UC / SYNERGETIC
27 OXFORD RD
METHUEN, MA 01754
www.ucspn.com 508.337.7600

FIBERTECH SMALL CELL
PROPOSED

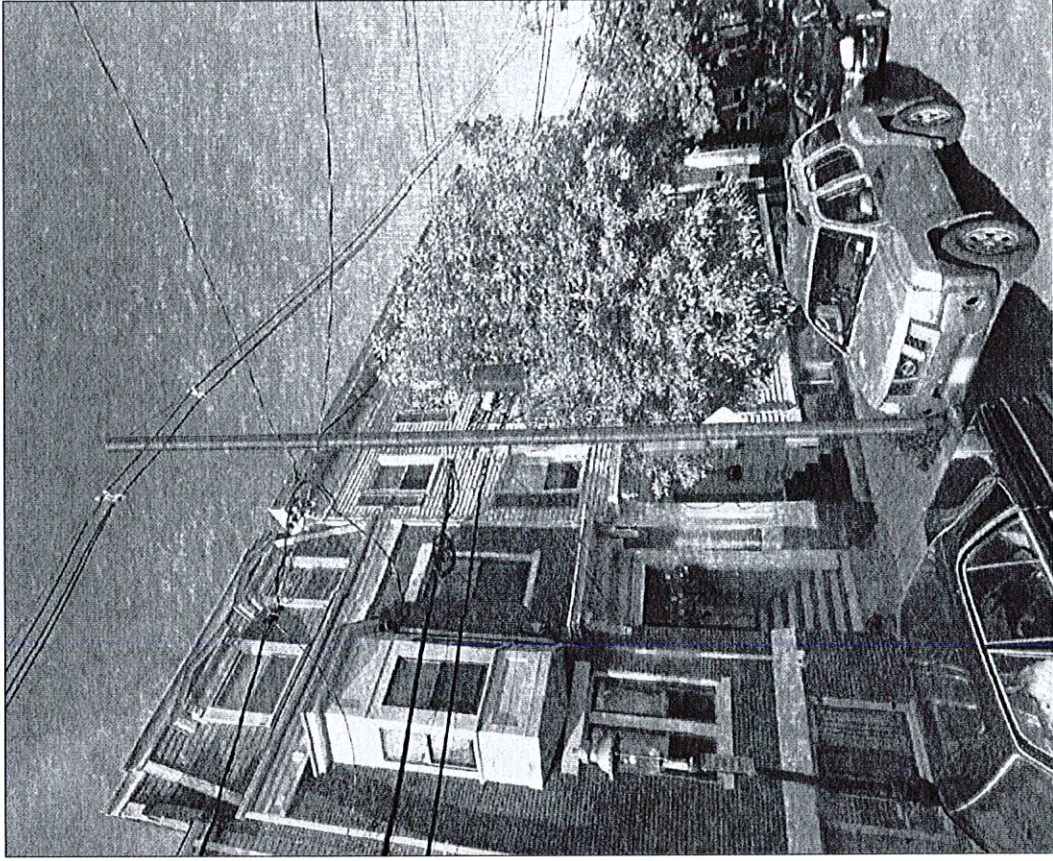
REV	DATE	DESCRIPTION	BY

DRAWN BY: DKS	DATE: 11-15
CHECKED BY: JZP/SM	SCALE: 1"=4'
PROJECT: 11-108-2	SHEET: 1

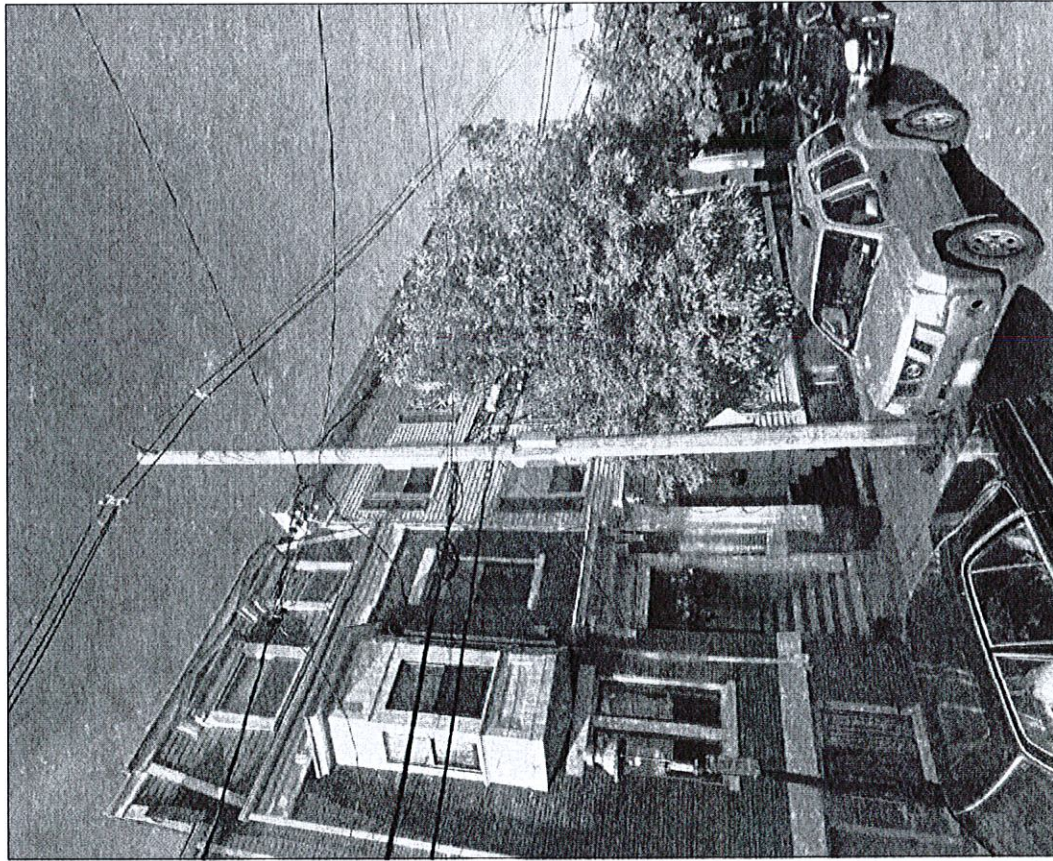
1 PROPOSED PROFILE - REAR VIEW
FROM FIELD LOOKING TOWARDS ROAD



2 PROPOSED PROFILE - SIDE VIEW
FROM ROADSIDE LOOKING UP ROAD



PROPOSED PHOTOGRAPHIC SIMULATION



EXISTING PHOTOGRAPHIC VIEW

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR
lighttower
 fiber networks

PREPARED BY
UC / SYNERGETIC
 CONSULTING ENGINEERS
 100 WASHINGTON ST., 10TH FLOOR
 BOSTON, MA 02108
 WWW.UCSYNERGETIC.COM 312.588.1317

FIBERTECH SMALL CELL
 PHOTO SIM

REV	DESCRIPTION	DATE

DATE: 08/11/11	SCALE: 1:125
DRAWN BY: J. W. W.	CHECKED BY: J. W. W.
PROJECT NAME: UC/SMALL CELL	PROJECT NO: 11-0000
SHEET # 3 OF 3	

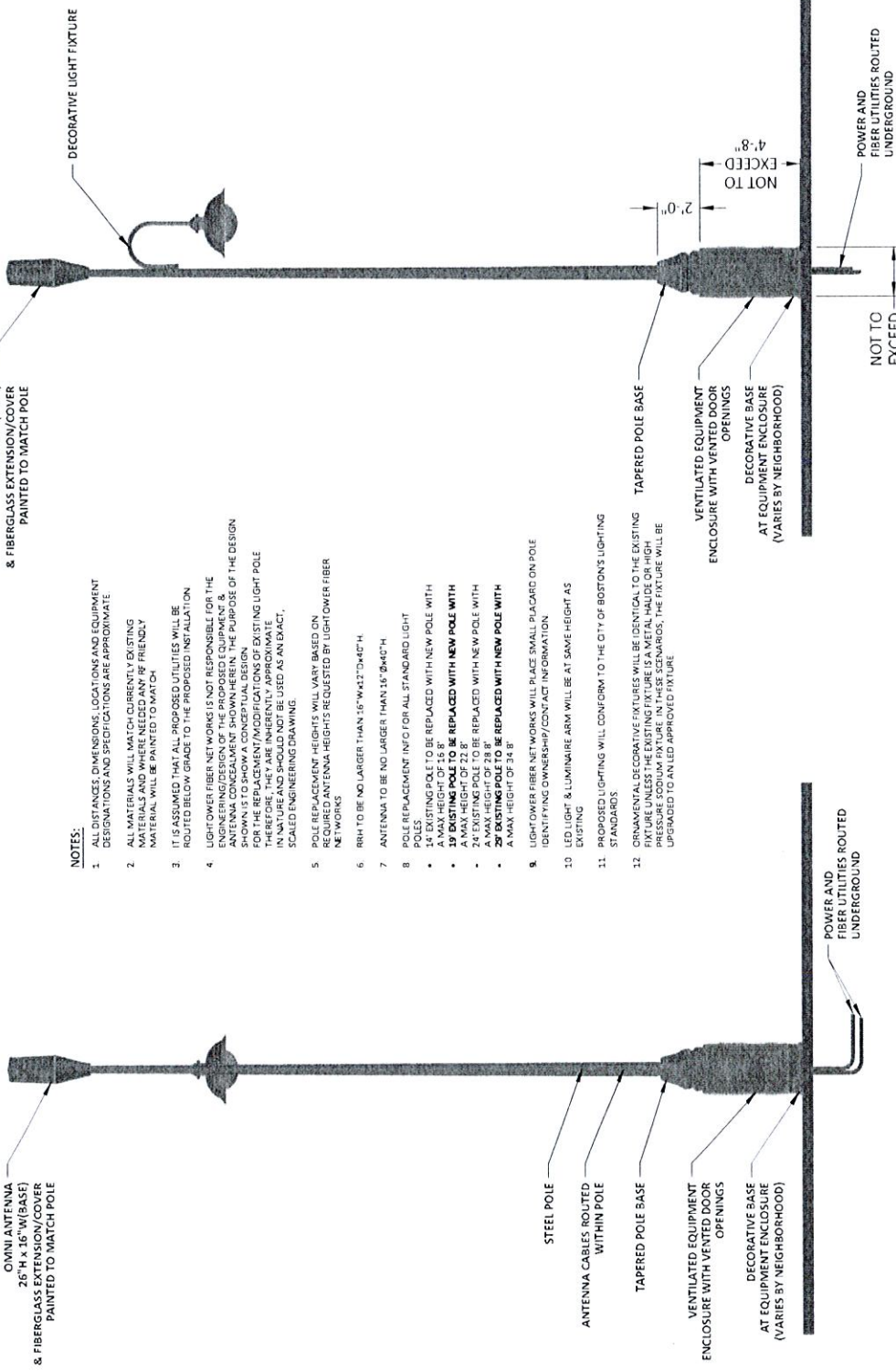
EXHIBIT X-6

SCHEDULE OF APPROVED WIRELESS FACILITIES

Facility Number	X-6 Bishop's Crook Light Pole RRH Concealment
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (streetlight) <input type="checkbox"/> Attach to existing City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (traffic signal) <input type="checkbox"/> Attach to existing City Property Pole (traffic signal) <input type="checkbox"/> Attach to existing City Pole (street furniture) <input type="checkbox"/> Attach to existing City Property Pole (street furniture) <input type="checkbox"/> Attach to Non-City Pole
Attachment Type Detail	<i>Bishop's Crook Light Pole (existing or replacement)</i>
Physical Description	<p><i>Mount antenna (no more than 16" diameter and no more than 40" height) in fiberglass enclosure painted to match pole and affixed to top of pole with tapered extension. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and will be painted and designed to match exterior pole. Pole Replacement information for all standard lightpoles</i></p> <ul style="list-style-type: none"> • <i>14' existing pole to be replaced with new pole and a max height of 16.8'</i> • <i>19' existing pole to be replaced with new pole with a max height of 22.8'</i> • <i>24' existing pole to be replaced with new pole with a max height of 28.8'</i> • <i>29' existing pole to be replaced with new pole with a max height of 34.8'</i>
Concealment	<i>Antenna contained within enclosure painted and tapered to match pole. Cables run inside pole. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and 4'8" in height. A maximum of an additional 2' above enclosure will be used to add decorative tapering.</i>
Included Documents	<p><i>The following documents:</i></p> <ol style="list-style-type: none"> <i>A. For each Attachment Type listed or checked above, an engineering drawing of replacement pole or existing pole with attached equipment. The drawing must show the location on the pole where each component of the Wireless Facility is attached or enclosed. Drawings should depict any underground portion of the typical installation for that Attachment Type.</i> <i>B. Photo showing an example of each Attachment Type listed or checked above.</i> <i>C. Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility is installed.</i> <p><i>Engineering drawings and photo attachments should reflect the dimensions and characteristics of a representative actual City Pole or City Property Pole of the type to which the Approved Wireless Facility design applies rather than generic examples. Where there is considerable variation among City Poles/City Property Poles of a particular type (e.g. traffic signals), drawings can show a typical installation, provided that equipment volumes and attachment locations will not vary significantly from one installation to the next in ways that are material to the City's interests.</i></p>
RF Compliance Information	<p>X Facility conforms to information already on file</p> <ul style="list-style-type: none"> • Information attached

Comments	
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PROPOSED BISHOPS CROOK STREETLIGHT SOLUTION



NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS UNLESS OTHERWISE NOTED. FRIENDLY MATERIAL WILL BE PAINTED TO MATCH.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
4. LIGHT-OWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE ENGINEERING/DESIGN OF THE PROPOSED EQUIPMENT & ANTENNA CONCEALMENT SHOWN HEREIN. THE PURPOSE OF THE DESIGN IS TO PROVIDE A VISUALLY ATTRACTIVE SOLUTION FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE. THEREFORE, THEY ARE INHERENTLY APPROXIMATE IN NATURE AND SHOULD NOT BE USED AS AN EXACT, SCALED ENGINEERING DRAWING.
5. POLE REPLACEMENT HEIGHTS WILL VARY BASED ON REQUIRED ANTENNA HEIGHTS REQUESTED BY LIGHT-OWER FIBER NETWORKS.
6. RM TO BE NO LARGER THAN 15" W x 12" D x 4" H.
7. ANTENNA TO BE NO LARGER THAN 15" D x 4" H.
8. POLE REPLACEMENT INFO FOR ALL STANDARD LIGHT POLES:
 - 14' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 15' 8"
 - 19' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 20' 8"
 - 24' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 28' 8"
 - 29' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 34' 8"
9. LIGHT-OWER FIBER NETWORKS WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
10. LED LIGHT & LUMINAIRE ARM WILL BE AT SAME HEIGHT AS EXISTING.
11. PROPOSED LIGHTING WILL CONFORM TO THE CITY OF BOSTON'S LIGHTING STANDARDS.
12. ORNAMENTAL DECORATIVE FIXTURES WILL BE IDENTICAL TO THE EXISTING FIXTURE UNLESS THE EXISTING FIXTURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN LED APPROVED FIXTURE.

SCALE IN FEET



① PROPOSED PROFILE - REAR VIEW
FROM FIELD LOOKING TOWARDS ROAD

② PROPOSED PROFILE - SIDE VIEW
FROM ROADSIDE LOOKING UP ROAD

PROPOSED TOP VIEW

SCALE: 1"=4'

NOTE:
CABLES & EQUIPMENT/POLE EQUIPMENT
PLACEMENT SUBJECT TO FIELD VERIFICATION

LOCATION: BROOKLINE, MA

NOTES:

PREPARED FOR:



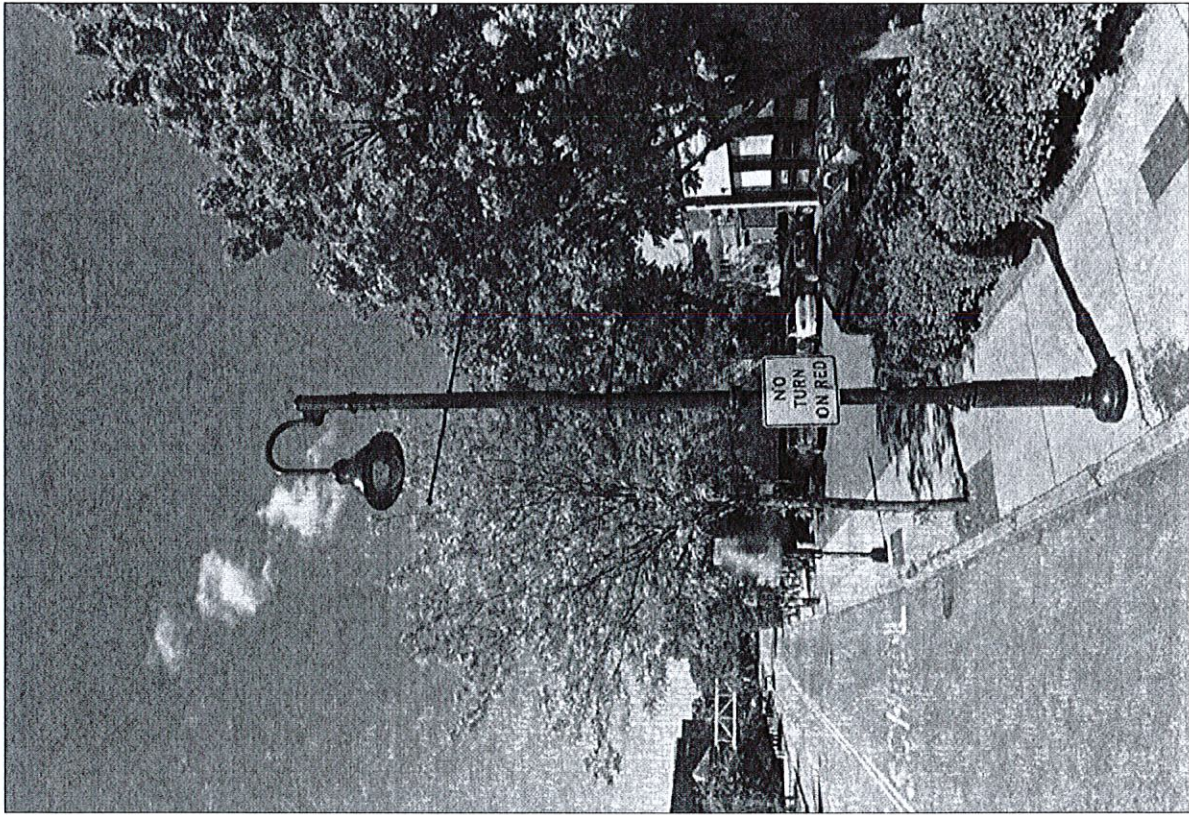
PREPARED BY:
UC/SYNERGETIC
100 STATE STREET
MAINTENANCE BLDG
MANTONFIELD, MA 02148
www.usingit.com 5-083 337 7000

FIBERTECH SMALL CELL
PROPOSED

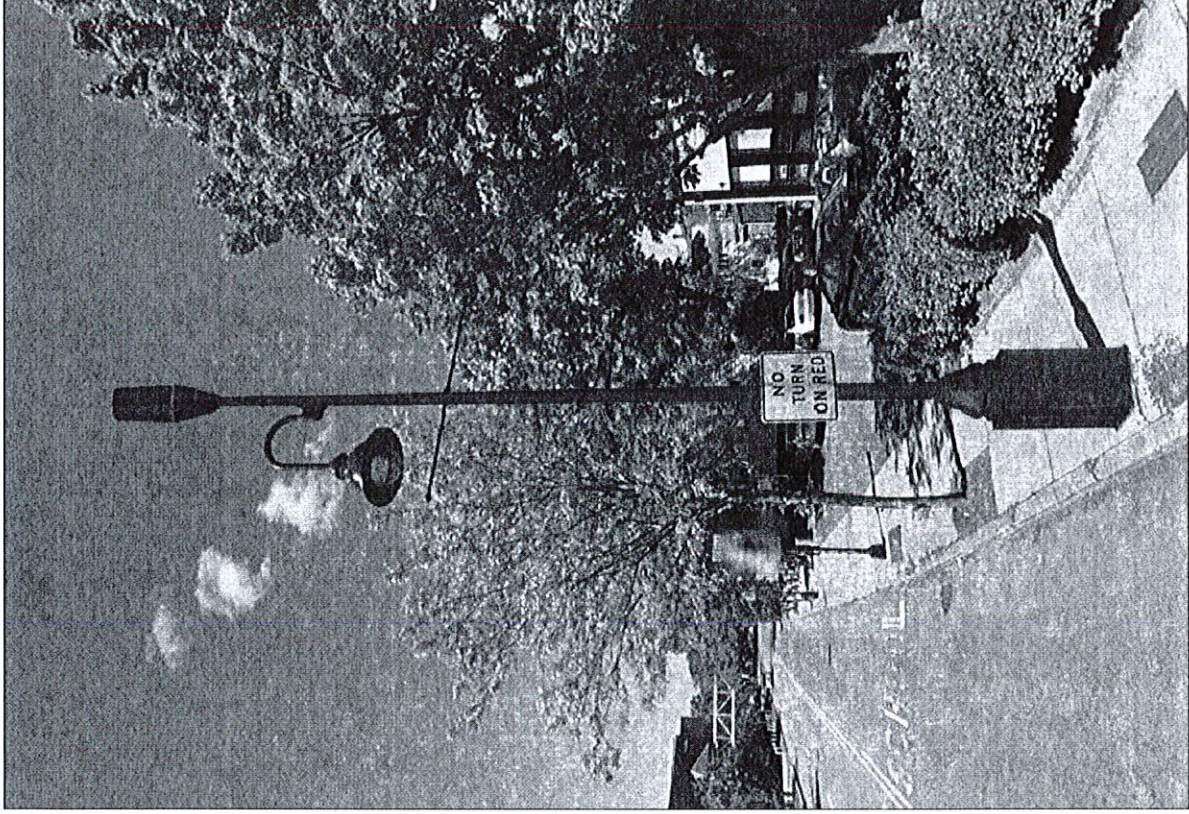
REV	DATE	DESCRIPTION

DATE	
SCALE	1"=4'
PROJECT NAME	12/20/16
PROJECT NUMBER	10000000
DATE	11/18/16
SCALE	1"=4'

1



EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

LOCATION: BROOKLINE, MA

NOTE:

PREPARED BY:
lightower
 fiber networks

PREPARED BY:
UC SYNERGETIC
 22 OXFORD RD
 BROOKLINE, MA 02148
 WWW.UCSYNERGETIC.COM 781.437.7400

FIBERTECH SMALL CELL
 PHOTO SIM

DATE	DESCRIPTION

DRAWN BY	DATE
SCALE	
PROJECT NAME	
PROJECT NO.	

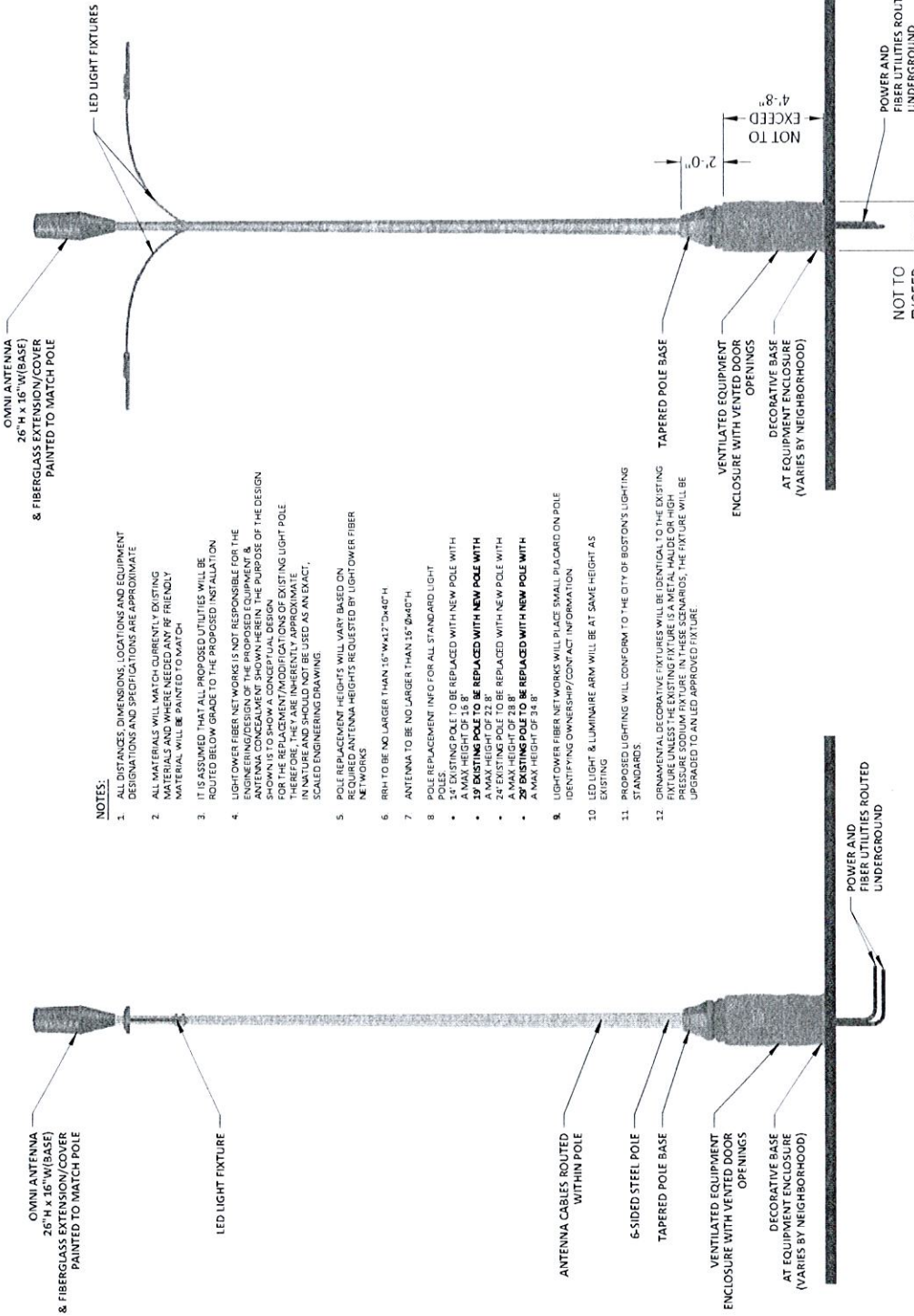
EXHIBIT X-10

SCHEDULE OF APPROVED WIRELESS FACILITIES

Facility Number	X-10 Double Curved Light Pole RRH Concealment
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (streetlight) <input type="checkbox"/> Attach to existing City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (traffic signal) <input type="checkbox"/> Attach to existing City Property Pole (traffic signal) <input type="checkbox"/> Attach to existing City Pole (street furniture) <input type="checkbox"/> Attach to existing City Property Pole (street furniture) <input type="checkbox"/> Attach to Non-City Pole
Attachment Type Detail	<i>Double Curved Light Pole RRH Concealment (existing or replacement)</i>
Physical Description	<p><i>Mount antenna (no more than 16" diameter and no more than 40" height) in fiberglass enclosure painted to match pole and affixed to top of pole with tapered extension. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and will be painted and designed to match exterior pole.</i></p> <p><i>Pole Replacement information for all standard lightpoles</i></p> <ul style="list-style-type: none"> • 14' existing pole to be replaced with new pole and a max height of 16.8' • 19' existing pole to be replaced with new pole with a max height of 22.8' • 24' existing pole to be replaced with new pole with a max height of 28.8' • 29' existing pole to be replaced with new pole with a max height of 34.8'
Concealment	<i>Antenna contained within enclosure painted and tapered to match pole. Cables run inside pole. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and 4'8" in height. A maximum of an additional 2' above enclosure will be used to add decorative tapering.</i>
Included Documents	<p><i>The following documents:</i></p> <ul style="list-style-type: none"> A. <i>For each Attachment Type listed or checked above, an engineering drawing of replacement pole or existing pole with attached equipment. The drawing must show the location on the pole where each component of the Wireless Facility is attached or enclosed. Drawings should depict any underground portion of the typical installation for that Attachment Type.</i> B. <i>Photo showing an example of each Attachment Type listed or checked above.</i> C. <i>Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility is installed.</i> <p><i>Engineering drawings and photo attachments should reflect the dimensions and characteristics of a representative actual City Pole or City Property Pole of the type to which the Approved Wireless Facility design applies rather than generic examples. Where there is considerable variation among City Poles/City Property Poles of a particular type (e.g. traffic signals), drawings can show a typical installation, provided that equipment volumes and attachment locations will not vary significantly from one installation to the next in ways that are material to the City's interests.</i></p>
RF Compliance Information	<p>X Facility conforms to information already on file</p> <ul style="list-style-type: none"> • Information attached

Comments	
-----------------	--

PROPOSED DOUBLE CURVED LED STREETLIGHT SOLUTION



OMNI ANTENNA
26" H x 16" (WBASE)
& FIBERGLASS EXTENSION/COVER
PAINTED TO MATCH POLE

OMNI ANTENNA
26" H x 16" (WBASE)
& FIBERGLASS EXTENSION/COVER
PAINTED TO MATCH POLE

LED LIGHT FIXTURES

LED LIGHT FIXTURE

NOTES:

- ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
- ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY "R" FRIENDLY MATERIAL WILL BE PAINTED TO MATCH.
- IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
- LIGHT OWNER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE ENGINEERING/DESIGN OF THE PROPOSED EQUIPMENT & ANTENNA CONCEALMENT SHOWN HEREIN. THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A CONCEPTUAL DESIGN FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE IN NATURE AND SHOULD NOT BE USED AS AN EXACT, SCALED ENGINEERING DRAWING.
- POLE REPLACEMENT HEIGHTS WILL VARY BASED ON REQUESTED ANTENNA HEIGHTS REQUESTED BY LIGHT OWNER FIBER NETWORKS.
- RRH TO BE NO LARGER THAN 15" W x 13" D x 40" H.
- ANTENNA TO BE NO LARGER THAN 15" Ø x 40" H.
- POLE REPLACEMENT INFO FOR ALL STANDARD LIGHT POLES:
 - 24' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 15.8'
 - 19' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 22.8'
 - 24' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 22.8'
 - 20' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX. HEIGHT OF 34.8'
- LIGHT OWNER FIBER NETWORKS WILL DO A "SMALL BLACKBOARD ON POLE" IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
- LED LIGHT & LUMINAIRE ARM WILL BE AT SAME HEIGHT AS EXISTING.
- PROPOSED LIGHTING WILL CONFORM TO THE CITY OF BOSTON'S LIGHTING STANDARDS.
- CONCEALMENT DEBRIS/UTILITY FITURES WILL BE IDENTICAL TO THE EXISTING FITURE UNLESS THE EXISTING FITURE IS A MATIN, HALIDE OR HIGH-PRESSURE SODIUM FITURE. IN THESE SCENARIOS, THE FITURE WILL BE UPGRADED TO AN LED APPROVED FITURE.

ANTENNA CABLES ROUTED WITHIN POLE

6-SIDED STEEL POLE

TAPERED POLE BASE

VENTILATED EQUIPMENT ENCLOSURE WITH VENTED DOOR OPENINGS

DECORATIVE BASE AT EQUIPMENT ENCLOSURE (VARIES BY NEIGHBORHOOD)

POWER AND FIBER UTILITIES ROUTED UNDERGROUND

TAPERED POLE BASE

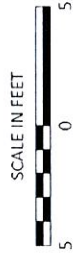
VENTILATED EQUIPMENT ENCLOSURE WITH VENTED DOOR OPENINGS

DECORATIVE BASE AT EQUIPMENT ENCLOSURE (VARIES BY NEIGHBORHOOD)

NOT TO EXCEED 2'-6"

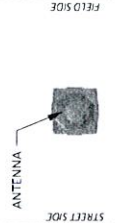
NOT TO EXCEED 4'-8"

POWER AND FIBER UTILITIES ROUTED UNDERGROUND



1 PROPOSED PROFILE - REAR VIEW
FROM FIELD LOOKING TOWARDS ROAD

2 PROPOSED PROFILE - SIDE VIEW
FROM ROADSIDE LOOKING UP ROAD



ANTENNA

PROPOSED TOP VIEW

SCALE: 1" = 4'
CABLES KLEIN INTRINSIC EQUIPMENT
N 75° 00' W @ 100' CLARITY

LOCATION: BOSTON, MA

NOTES:

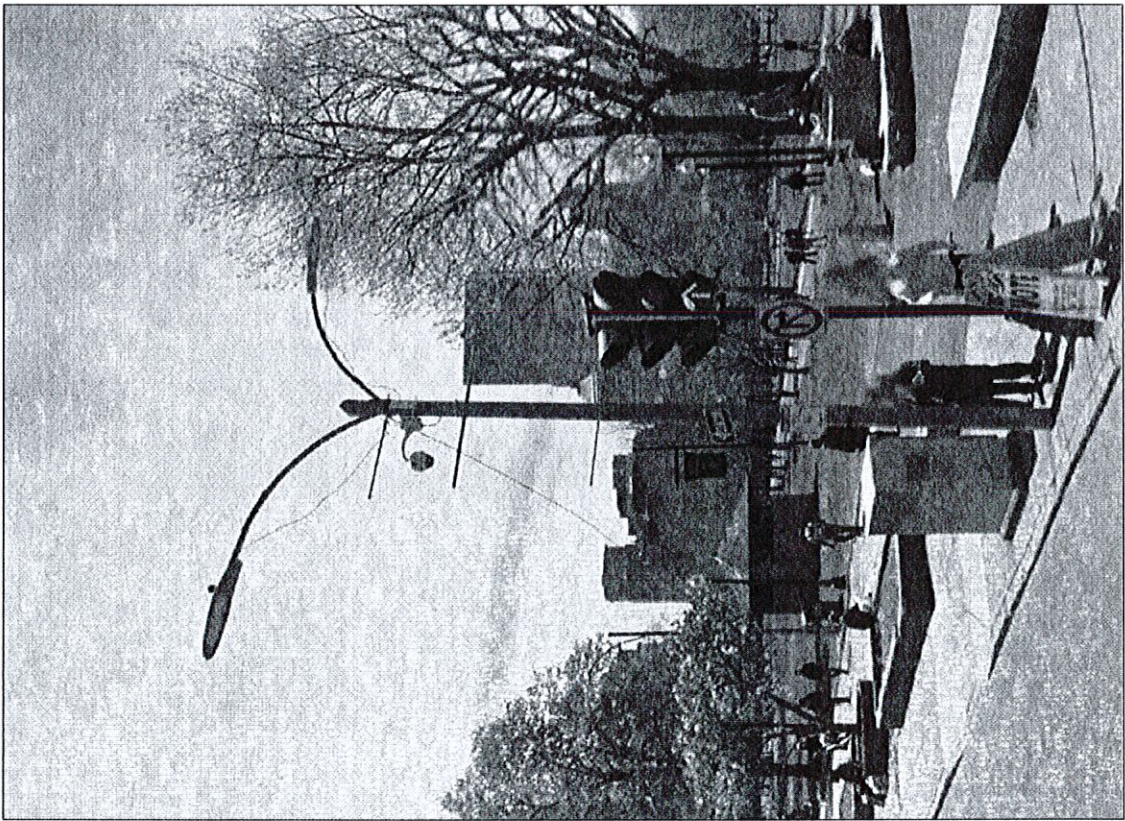
PREPARED FOR: **lighttower** fiber networks

PREPARED BY: **UC SYNERGETIC**
Fiber optic & Network Engineering Solutions
22 DORFORD RD
MATTLELO, MA 02148
www.ucsnet.com 1-800-337-7600

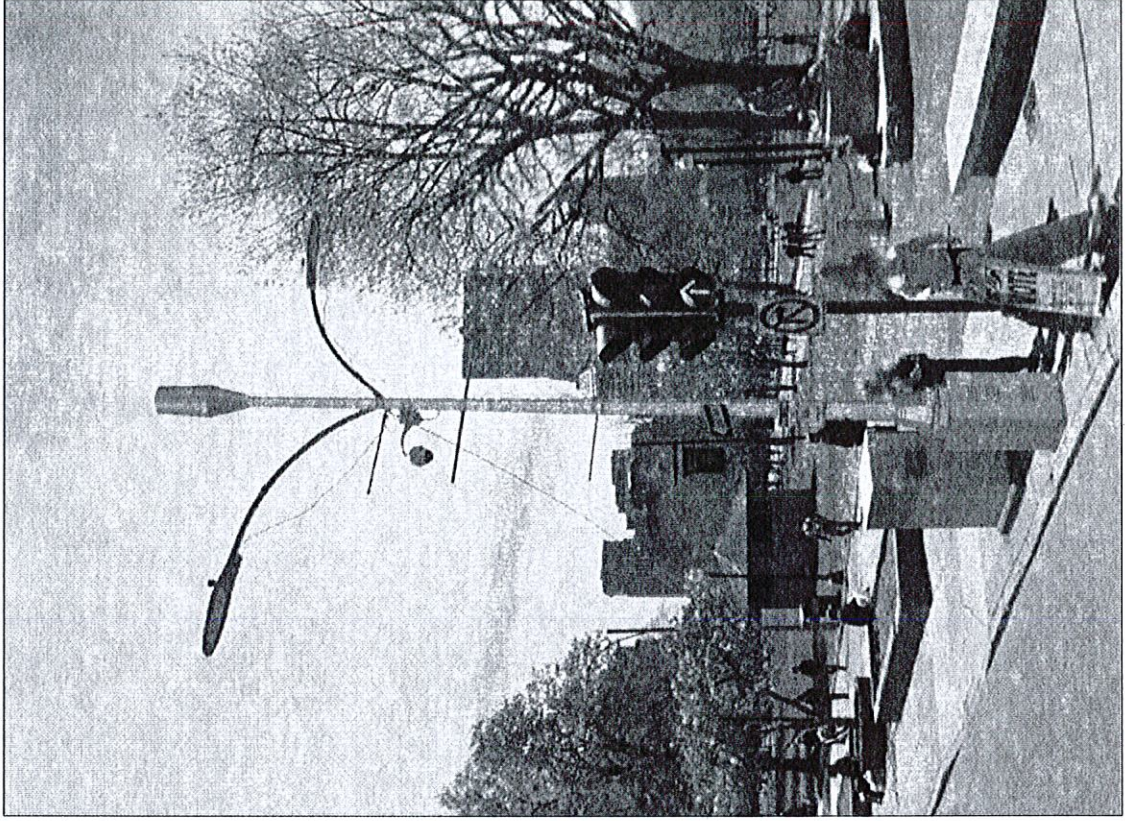
FIBERTECH SMALL CELL
PROPOSED

REV	DESCRIPTION	DATE

DRAWN BY: DSA
SCALE: 1" = 4'
PROJECT NO.: 220227M
DATE PLOTTED: 10/26/2022
PLOT NAME: 220227M.dwg
SHEET # 1 OF 2



EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:

lighttower
fiber networks

PREPARED BY:

UC/SYNERGETIC
Infrastructure Planning - Engineering Solutions
1000 STATE STREET
BOSTON, MA 02108
www.lighting.com 1-800-337-7600

FIBERTECH SMALL CELL
PHOTO SIM

REV	REVISIONS	DATE
	DESCRIPTION <td> </td>	

DRAWN: DSA

SCALE: NTS

PROJECT NO: E22236

DATE PLOTTED: 12/28/05

PROJECT NAME: 124MA 0000

DATE: 12/28/05

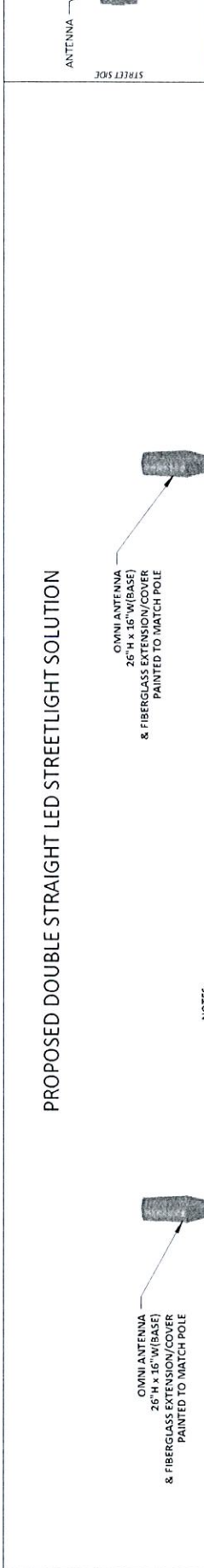
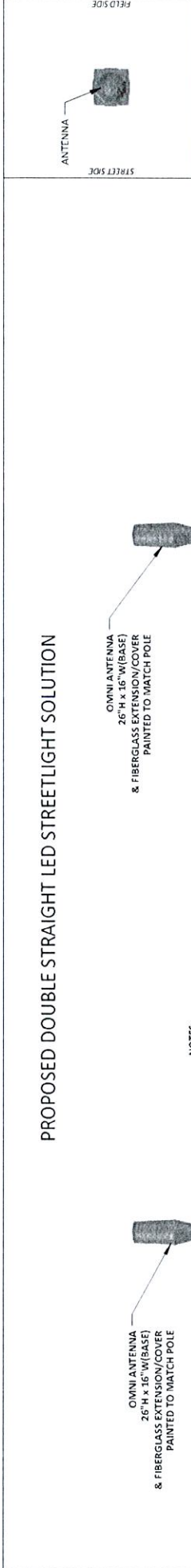
EXHIBIT X-11

SCHEDULE OF APPROVED WIRELESS FACILITIES

Facility Number	X-11 Double Straight Light Pole RRH Concealment
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (streetlight) <input type="checkbox"/> Attach to existing City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (traffic signal) <input type="checkbox"/> Attach to existing City Property Pole (traffic signal) <input type="checkbox"/> Attach to existing City Pole (street furniture) <input type="checkbox"/> Attach to existing City Property Pole (street furniture) <input type="checkbox"/> Attach to Non-City Pole
Attachment Type Detail	<i>Double Straight Light Pole RRH Concealment (existing or replacement)</i>
Physical Description	<p><i>Mount antenna (no more than 16" diameter and no more than 40" height) in fiberglass enclosure painted to match pole and affixed to top of pole with tapered extension. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and will be painted and designed to match exterior pole.</i></p> <p><i>Pole Replacement information for all standard lightpoles</i></p> <ul style="list-style-type: none"> • <i>14' existing pole to be replaced with new pole and a max height of 16.8'</i> • <i>19' existing pole to be replaced with new pole with a max height of 22.8'</i> • <i>24' existing pole to be replaced with new pole with a max height of 28.8'</i> • <i>29' existing pole to be replaced with new pole with a max height of 34.8'</i>
Concealment	<i>Antenna contained within enclosure painted and tapered to match pole. Cables run inside pole. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and 4'8" in height. A maximum of an additional 2' above enclosure will be used to add decorative tapering.</i>
Included Documents	<p><i>The following documents:</i></p> <ul style="list-style-type: none"> A. <i>For each Attachment Type listed or checked above, an engineering drawing of replacement pole or existing pole with attached equipment. The drawing must show the location on the pole where each component of the Wireless Facility is attached or enclosed. Drawings should depict any underground portion of the typical installation for that Attachment Type.</i> B. <i>Photo showing an example of each Attachment Type listed or checked above.</i> C. <i>Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility is installed.</i> <p><i>Engineering drawings and photo attachments should reflect the dimensions and characteristics of a representative actual City Pole or City Property Pole of the type to which the Approved Wireless Facility design applies rather than generic examples. Where there is considerable variation among City Poles/City Property Poles of a particular type (e.g. traffic signals), drawings can show a typical installation, provided that equipment volumes and attachment locations will not vary significantly from one installation to the next in ways that are material to the City's interests.</i></p>
RF Compliance Information	<p>X Facility conforms to information already on file</p> <ul style="list-style-type: none"> • Information attached

Comments	
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PROPOSED DOUBLE STRAIGHT LED STREETLIGHT SOLUTION



1 PROPOSED PROFILE - REAR VIEW
FROM FIELD LOOKING TOWARDS ROAD

2 PROPOSED PROFILE - SIDE VIEW
FROM ROADSIDE LOOKING UP ROAD

SCALE IN FEET



NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NECESSARY BE FRIENDLY MATERIALS. MATERIALS WILL BE PAINTED TO MATCH.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
4. LIGHT TOWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE ENGINEERING/DESIGN OF THE PROPOSED EQUIPMENT & ANTENNA CONCEALMENT SHOWN HEREIN. THE PURPOSE OF THE DESIGN IS TO SHOW A CONCEPTUAL DESIGN.
5. THERE ARE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLES IN NATURE AND SHOULD NOT BE USED AS AN EXACT, SCALED ENGINEERING DRAWING.
6. POLE REPLACEMENT HEIGHTS WILL VARY BASED ON REQUIRED ANTENNA HEIGHTS REQUESTED BY LIGHT TOWER FIBER NETWORKS.
7. Poles to be no larger than 16" W x 12" O x 40' H.
8. ANTENNA TO BE NO LARGER THAN 16" O x 40" H.
9. POLE REPLACEMENT INFO FOR ALL STANDARD LIGHT FIXTURES:
 - 19' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 19 FT.
 - 20' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 20 FT.
 - 21' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 21 FT.
 - 22' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 22 FT.
 - 23' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 23 FT.
 - 24' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 24 FT.
 - 25' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 25 FT.
 - 26' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 26 FT.
10. LIGHT TOWER FIBER NETWORKS WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
11. LED LIGHT & LUMINAIRE ARM WILL BE AT SAME HEIGHT AS EXISTING.
12. PROPOSED LIGHTING WILL CONFORM TO THE CITY OF BOSTON'S LIGHTING STANDARDS.
13. ORNAMENTAL DECORATIVE FIXTURES WILL BE IDENTICAL TO THE EXISTING FIXTURE UNLESS THE EXISTING FIXTURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN LED APPROVED FIXTURE.



ANTENNA

PROPOSED TOP VIEW

SCALE: 1"=4'
CABLES & EQUIPMENT EQUIPMENT NOT TO SCALE FOR CLARITY

STREET SIDE	FIELD SIDE
LOCATION: BOSTON, MA	
NOTES:	

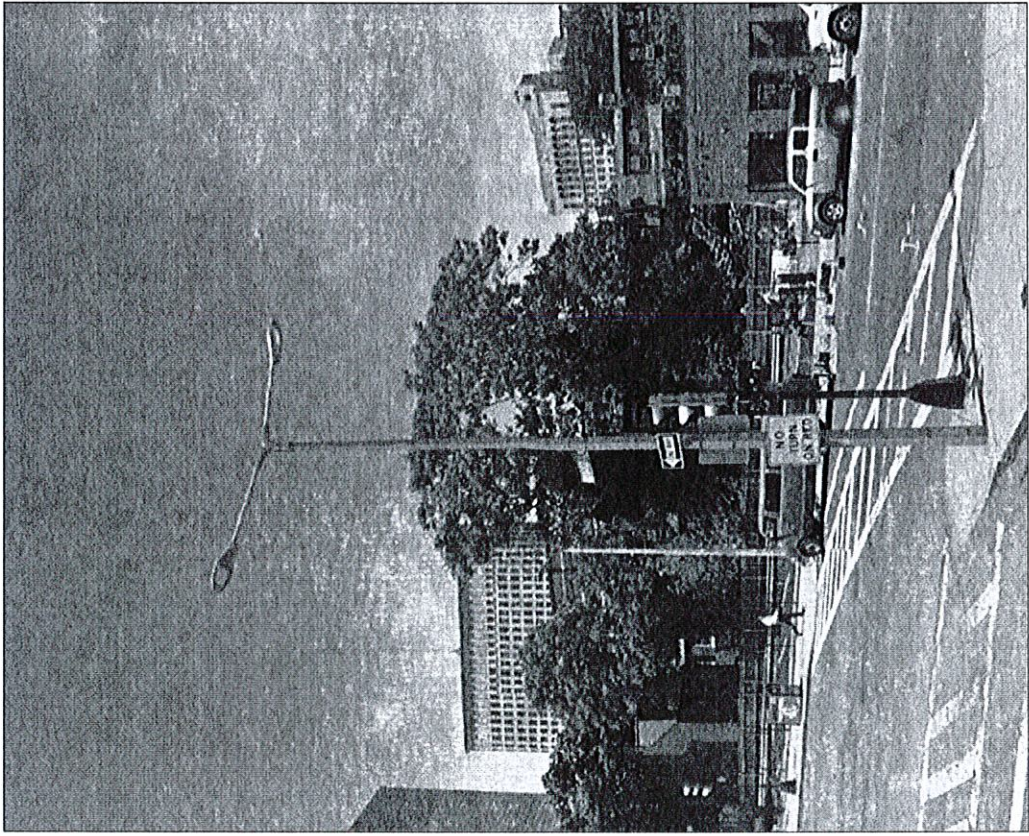
PREPARED FOR
lightower
fiber networks

PREPARED BY
UC/SYNERGETIC
The City of Boston's Approved Provider
1000 STATE STREET
WALTON HILL, MA 02458
www.lightower.com 3108 337 7600

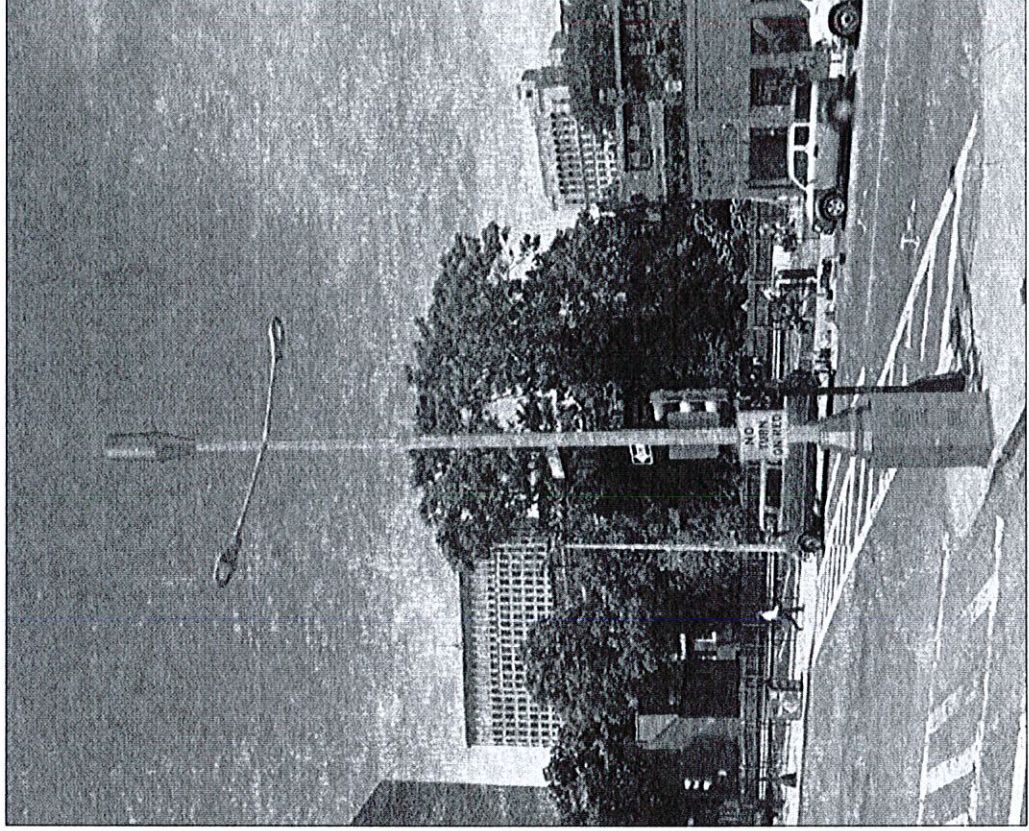
FIBERTECH SMALL CELL
PROPOSED

DATE	DESCRIPTION	BY
DATE	DESCRIPTION	BY

SCALE: 1"=5'
TOTAL SHEETS: 1
SHEET NO.: 0001 OF 0002
SHEET # 1 OF 2



EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

LOCATION: BOSTON, MA

NOTES:

PREPARED FOR:
lightower
fiber networks

PREPARED BY:
UC SYNERGETIC
A CONSULTING FIRM INCORPORATED IN MASSACHUSETTS
225 OXFORD RD
MILLSVILLE, MA 01868
www.ucsynerg.com 3-908-337-7620

FIBERTECH SMALL CELL
PHOTO SIM

REV	DESCRIPTION	DATE

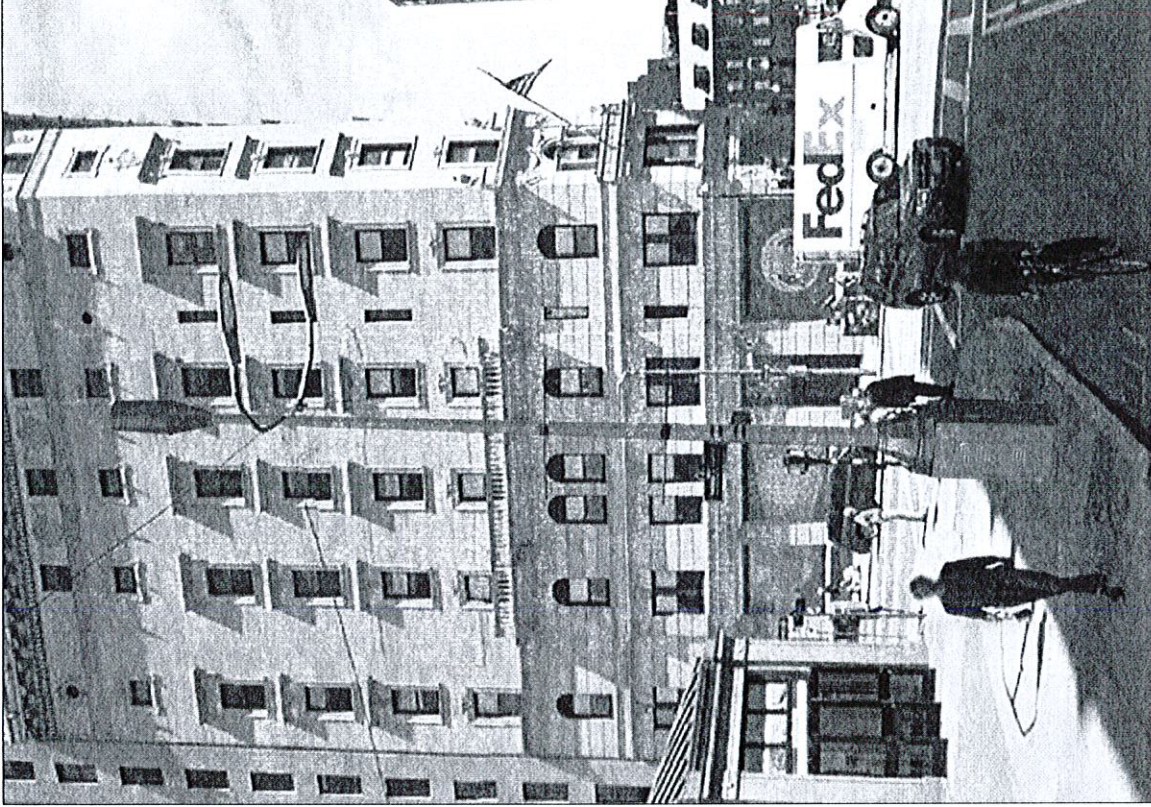
DATE	BY

2

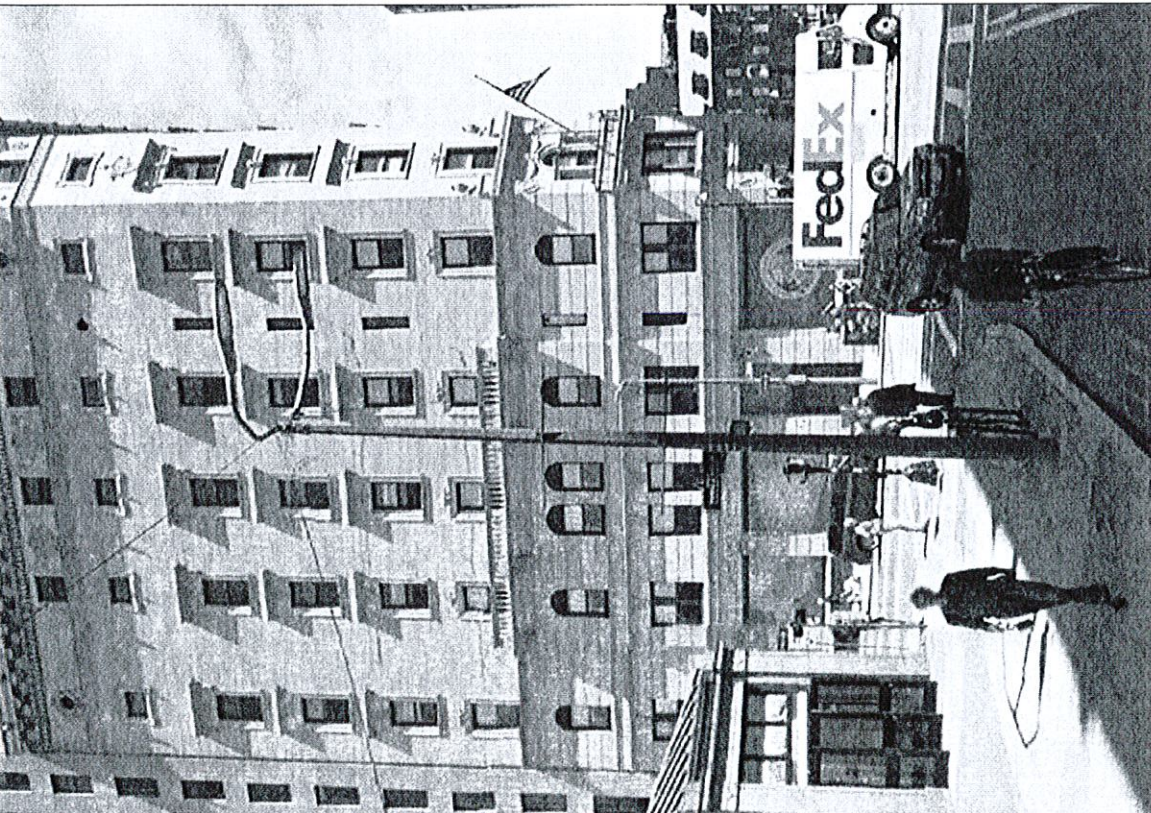
EXHIBIT X-12

SCHEDULE OF APPROVED WIRELESS FACILITIES

Facility Number	X-12 Double Cobra Light Pole RRH Concealment
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (streetlight) <input type="checkbox"/> Attach to existing City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (traffic signal) <input type="checkbox"/> Attach to existing City Property Pole (traffic signal) <input type="checkbox"/> Attach to existing City Pole (street furniture) <input type="checkbox"/> Attach to existing City Property Pole (street furniture) <input type="checkbox"/> Attach to Non-City Pole
Attachment Type Detail	<i>Double Cobra Light Pole (existing or replacement)</i>
Physical Description	<p><i>Mount antenna (no more than 16" diameter and no more than 40" height) in fiberglass enclosure painted to match pole and affixed to top of pole with tapered extension. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and will be painted and designed to match exterior pole.</i></p> <p><i>Pole Replacement information for all standard lightpoles</i></p> <ul style="list-style-type: none"> • 14' existing pole to be replaced with new pole and a max height of 16.8' • 19' existing pole to be replaced with new pole with a max height of 22.8' • 24' existing pole to be replaced with new pole with a max height of 28.8' • 29' existing pole to be replaced with new pole with a max height of 34.8'
Concealment	<i>Antenna contained within enclosure painted and tapered to match pole. Cables run inside pole. Remote radiohead, power and fiber equipment concealed within stealth expanded base, not to exceed 2.5' in width and 4'8" in height. A maximum of an additional 2' above enclosure will be used to add decorative tapering.</i>
Included Documents	<p><i>The following documents:</i></p> <ul style="list-style-type: none"> A. <i>For each Attachment Type listed or checked above, an engineering drawing of replacement pole or existing pole with attached equipment. The drawing must show the location on the pole where each component of the Wireless Facility is attached or enclosed. Drawings should depict any underground portion of the typical installation for that Attachment Type.</i> B. <i>Photo showing an example of each Attachment Type listed or checked above.</i> C. <i>Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility is installed.</i> <p><i>Engineering drawings and photo attachments should reflect the dimensions and characteristics of a representative actual City Pole or City Property Pole of the type to which the Approved Wireless Facility design applies rather than generic examples. Where there is considerable variation among City Poles/City Property Poles of a particular type (e.g. traffic signals), drawings can show a typical installation, provided that equipment volumes and attachment locations will not vary significantly from one installation to the next in ways that are material to the City's interests.</i></p>
RF Compliance Information	<input checked="" type="checkbox"/> Facility conforms to information already on file <ul style="list-style-type: none"> • Information attached



PROPOSED PHOTOGRAPHIC SIMULATION



EXISTING PHOTOGRAPHIC VIEW

LOCATION: BOSTON, MA

NOTES:

lighttower
fiber networks

PREPARED BY:
UC SYNERGETIC
Fiber optic design • network solutions
1000 WASHINGTON ST.
BOSTON, MA 02108
www.lighting.com 1-800-337-7620

FIBERTECH SMALL CELL
PHOTO SIM

NO.	REVISION	DATE

DRAWN BY	DATE
CHECKED BY	DATE
SCALE	
PROJECT NAME	
PROJECT NUMBER	

EXHIBIT X-13

SCHEDULE OF APPROVED WIRELESS FACILITIES

Facility Number	X-13 Aeriata Light Pole
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (streetlight) <input type="checkbox"/> Attach to existing City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (traffic signal) <input type="checkbox"/> Attach to existing City Property Pole (traffic signal) <input type="checkbox"/> Attach to existing City Pole (street furniture) <input type="checkbox"/> Attach to existing City Property Pole (street furniture) <input type="checkbox"/> Attach to Non-City Pole
Attachment Type Detail	<i>Aeriata Light Pole (existing or replacement)</i>
Physical Description	<p><i>Mount antenna (no more than 16" diameter and no more than 40" height) in fiberglass enclosure painted to match pole and affixed to top of pole with tapered extension. Remote radiohead, power and fiber equipment mounted to side of pole and connected to Fiber Demarc on pole.</i></p> <p><i>Pole Replacement information for all standard lightpoles</i></p> <ul style="list-style-type: none"> • 14' existing pole to be replaced with new pole and a max height of 16.8' • 19' existing pole to be replaced with new pole with a max height of 22.8' • 24' existing pole to be replaced with new pole with a max height of 28.8' • 29' existing pole to be replaced with new pole with a max height of 34.8'
Concealment	<i>Remote radiohead, power and fiber equipment mounted to side of pole and connected to Fiber Demarc on pole.</i>
Included Documents	<p><i>The following documents:</i></p> <ul style="list-style-type: none"> A. <i>For each Attachment Type listed or checked above, an engineering drawing of replacement pole or existing pole with attached equipment. The drawing must show the location on the pole where each component of the Wireless Facility is attached or enclosed. Drawings should depict any underground portion of the typical installation for that Attachment Type.</i> B. <i>Photo showing an example of each Attachment Type listed or checked above.</i> C. <i>Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility is installed.</i> <p><i>Engineering drawings and photo attachments should reflect the dimensions and characteristics of a representative actual City Pole or City Property Pole of the type to which the Approved Wireless Facility design applies rather than generic examples. Where there is considerable variation among City Poles/City Property Poles of a particular type (e.g. traffic signals), drawings can show a typical installation, provided that equipment volumes and attachment locations will not vary significantly from one installation to the next in ways that are material to the City's interests.</i></p>
RF Compliance Information	<p>X Facility conforms to information already on file</p> <ul style="list-style-type: none"> • Information attached
Comments	

PROPOSED POLE MOUNTED EQUIPMENT STREETLIGHT SOLUTION

NOTE:

THIS SOLUTION WILL ONLY BE USED ON SITES THAT DO NOT HAVE THE ABILITY TO PLACE AN EQUIPMENT BASE DUE TO LIMITED SIDEWALK WIDTH FOR WHEELCHAIR ACCESS IN THE PEDESTRIAN TRAVEL ZONE.

NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND NO SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY RF FRIENDLY MATERIAL WILL BE PAINTED TO MATCH.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION & FIBERGLASS EXTENSION/COVER PAINTED TO MATCH POLE.
4. LIGHTOWER FIBER NET WORKS IS NOT RESPONSIBLE FOR THE ENGINEERING/DESIGN OF THE PROPOSED EQUIPMENT & ANTENNA CONCEALMENT SHOWN HEREIN. THE PURPOSE OF THE DESIGN IS TO SHOW A CONCEPTUAL DESIGN FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE. THE PROPOSED EQUIPMENT AND ANTENNA CONCEALMENT IN THIS DRAWING SHOULD NOT BE USED AS AN EXACT, SCALED ENGINEERING DRAWING.
5. POLE REPLACEMENT HEIGHTS WILL VARY BASED ON REQUESTED ANTENNA HEIGHTS REQUESTED BY LIGHTOWER FIBER NETWORKS.
6. RRH TO BE NO LARGER THAN 16" W x 12" D x 40" H.
7. ANTENNA TO BE NO LARGER THAN 16" Ø x 40" H.
8. POLE REPLACEMENT INFO FOR ALL STANDARD LIGHT POLES:
 - 19' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 15' 8"
 - 24' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 22' 8"
 - 29' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 34' 8"
9. LIGHTOWER FIBER NET WORKS WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
10. LED LIGHT & LUMINAIRE ARM WILL BE AT SAME HEIGHT AS EXISTING.
11. PROPOSED LIGHTING WILL CONFORM TO THE CITY OF BOSTON'S LIGHTING STANDARDS.
12. ORNAMENTAL DECORATIVE FIXTURES WILL BE IDENTICAL TO THE EXISTING FIXTURES. IF THE EXISTING FIXTURES ARE NOT LED OR A PRESSURE SODIUM FIXTURE, IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN LED APPROVED FIXTURE.



① PROPOSED PROFILE - REAR VIEW
FROM FIELD LOOKING TOWARDS ROAD



② PROPOSED PROFILE - SIDE VIEW
FROM ROADSIDE LOOKING UP ROAD



PROPOSED TOP VIEW
SCALE: 1" = 4'

CABLES & ELECTRICAL EQUIPMENT NOT SHOWN FOR CLARITY

LOCATION: BOSTON, MA

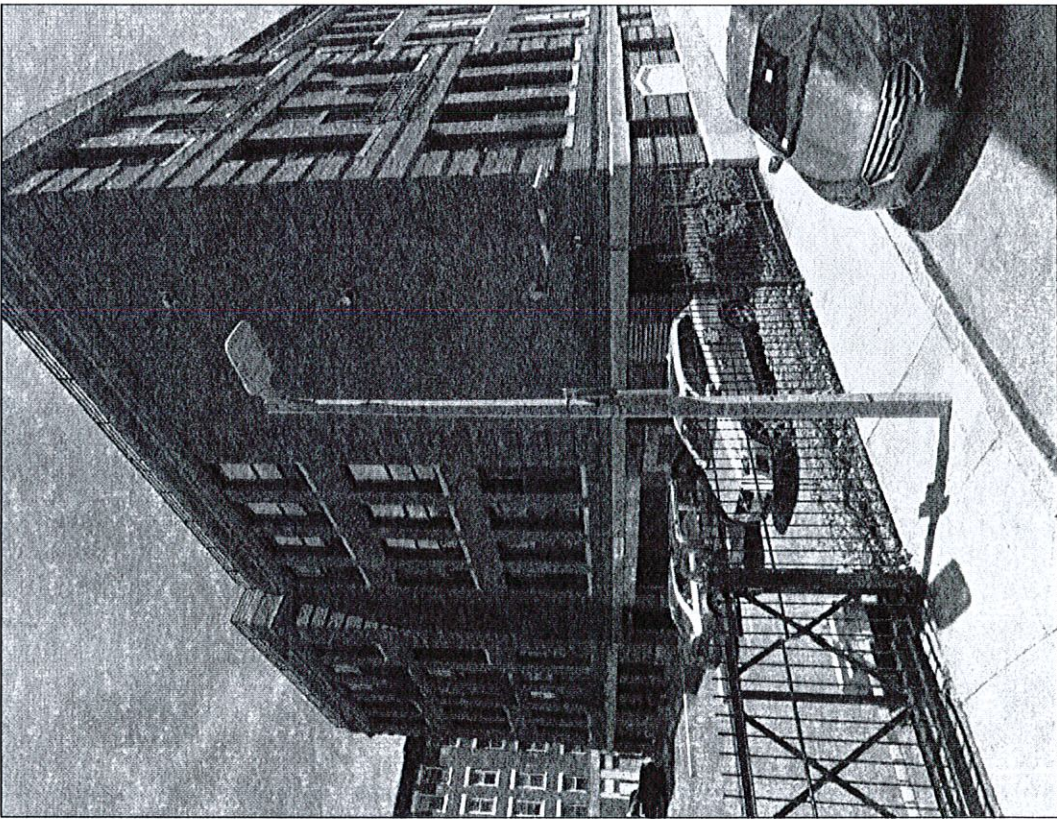
PREPARED FOR: **lightower** fiber networks

PREPARED BY: **UC SYNERGETIC**
A member of the **uc** group of companies
200 DIXON RD
WALTON, MA 01884
www.ucgroup.com 1-800-337-7690

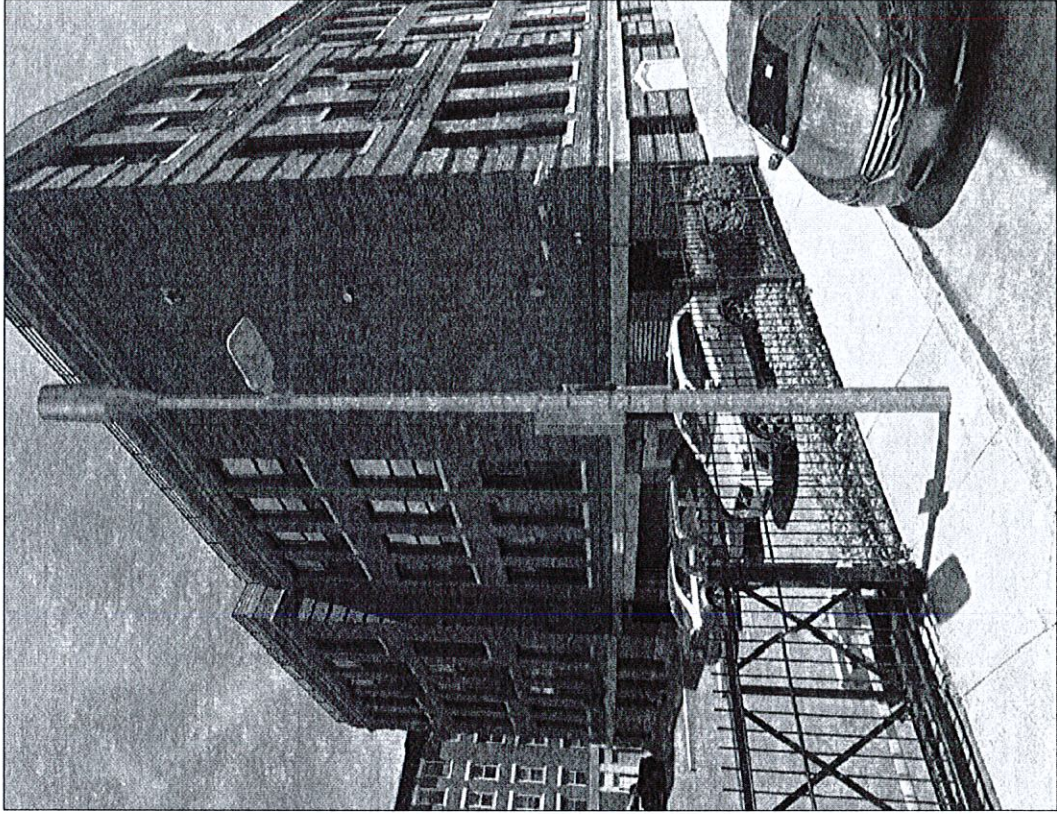
PROJECT: FIBERTECH SMALL CELL PROPOSED

REV	DESCRIPTION	DATE

DRAWN: DFB	SCALE: 1" = 4'
CHECKED: SGT/DFC	DATE: 03/04/2019
DATE PLOTTED: 03/04/2019	SCALE: 1" = 4'



EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

LOCATION	BOSTON, MA	
NOTE:		
PREPARED FOR	lighttower fiber networks	
PREPARED BY	UC SYNERGETIC 21 OXFORD RD WATSHILL, MA 02488 www.uscwg.com 508.337.7600	
REVISIONS		
REV#	DESCRIPTION	DATE
DRAWN BY	EDA	
CHECKED BY		
PROJECT NAME	12/2/16	
DRAWING NO.	17-001-000	
SHEET #	1 OF 2	

EXHIBIT Y

COMPETITIVELY NEUTRAL NOTIFICATION PROCESS

The purpose of this process is to ensure that, while wireless telecommunications providers may seek approval of Wireless Facilities on City Poles, City Property Poles or other City-owned infrastructure on a neutral, non-discriminatory basis, no individual wireless telecommunication provider that already has a Wireless Facility on a City Pole, City Property Pole, or other City-owned infrastructure has the right to install Wireless Facilities on *additional* City Poles, City Property Poles, or other City-owned infrastructure within a radius of 500 feet, unless and until all other wireless telecommunications providers have been given a fair opportunity to make use of any other available City Poles, City Property Poles, or City-owned infrastructure in that radius.

1. If LICENSEE intends to apply for approval of a Wireless Facility at a location (a "**Preferred Location**") that is within 500 feet of another City Pole, City Property Pole or City-owned infrastructure that already has been approved by the Commissioner as the location of a Wireless Facility of that LICENSEE (the "**Pre-existing Location**"), LICENSEE shall first determine whether any other telecommunications provider that is (i) registered with the City's Cable Office, and (ii) has a License Agreement for wireless attachments in effect with the City ("**Other Firm**") has a present interest in using that City Pole, City Property Pole or City-owned infrastructure as a location for its own Wireless Facility. LICENSEE shall establish whether such an interest exists as follows:

a. LICENSEE must send out a notice ("**Preferred Location Notice**") to all OTHER FIRMS. Notices should be sent at least 30 Days before LICENSEE plans to apply to the Commissioner or PIC for approval of its proposed Wireless Facility on that City Pole, City Property Pole, or City-owned infrastructure.

b. Such Preferred Location Notice must disclose the street location and any identifying number, name or description sufficient to specify the City Pole, City Property Pole or other City-owned infrastructure that is LICENSEE's Preferred Location. Such notice may also identify other City Poles, City Property Pole, or City-owned infrastructure that may serve as an alternative to the Preferred Location. [For example, if the Preferred Location is a streetlight pole, the Preferred Location Notice might also identify another streetlight pole, a traffic signal and a bridge abutment that are all near the Preferred Location].

c. Such notice must be sent via certified mail with return receipt requested, however, LICENSEE may, by agreement with one or more other wireless or telecommunications providers entitled to notice, establish standing arrangements whereby such notice is provided in a manner other than by certified mail, for example through email notice with confirmed receipt or using some other process in which receipt of notification can be documented.

d. An OTHER FIRM will have ten (10) Business Days from its receipt of the Preferred Location Notice to inform the Commissioner whether it has a present interest in attaching a Wireless Facility to the Preferred Location.

e. An OTHER FIRM may assert such an interest only if it: (1) does not have its own Wireless Facility installed on any City Pole, City Property Pole or City-owned structure within 500 feet of

the Preferred Location or an application for a Wireless Facility on any City Pole, City Property Pole or City-owned structure within that distance under review by the City; and (2) reasonably intends in good faith to apply, within six months of receipt of the notice, for such approval to install its own Wireless Facility at the Preferred Location. If an OTHER FIRM timely states such an interest, the OTHER FIRM shall have the first right to make such application for the Preferred Location within that period, unless the LICENSEE negotiates another arrangement with the OTHER FIRM. Such OTHER FIRM, having asserted such interest, may not assert a present interest in any other City Pole, City Property Pole or City-owned structure within 500 feet of the Preferred Location during such six-month period.

f. If there are multiple OTHER FIRMS that timely express an interest in a Preferred Location, the OTHER FIRMS and LICENSEE shall jointly work together, within 30 Days to devise a plan to allocate available nearby City Poles, City Property Poles, and City-owned structures between them so as not to interfere with each other, and two or more of them may jointly propose to install equipment on shared structures. LICENSEE shall be responsible for initiating these discussions.

g. The appropriate City personnel, including PIC staff, will be reasonably available to participate and advise in these coordination discussions.

h. If LICENSEE and one or more OTHER FIRMS propose to jointly replace a City Pole and/or install equipment on a shared structure, they shall jointly determine what process they will follow to solicit construction bids. In the absence of such agreement, the LICENSEE shall solicit at least three quotes, two of which shall come from contractors that are not affiliates of LICENSEE. In the absence of an agreement as to cost-sharing, the parties shall evenly share construction costs and each party shall be responsible for the cost of installing its own equipment.

EXHIBIT Z

CITY PERMITS AND APPROVALS

Note: The Agreement more fully addresses certain of the approvals identified below:

Public Improvements Commission ("**PIC**") Approval – Applicable, to the extent required by law, to proposed Wireless Facilities on City Poles and other City-owned infrastructure within the Public Rights-of-Way, including the replacement of City Poles, as more fully addressed in this Agreement.

Inspectional Services Department ("**ISD**")- Electrical Permit – Applicable to wiring connections for all proposed Wireless Facilities.

ISD Building Permit – Applicable to proposed Wireless Facilities involving construction of a new structure, structural alteration, or the build-out of equipment space in a building.

ISD Eligible Facilities Request Approval – Administrative approval applicable to proposed collocation and modification of previously approved Wireless Facilities, in accordance with the requirements of the Federal Spectrum Act, and in lieu of zoning approvals that might otherwise be required.

Board of Zoning Appeals - Zoning Approval – Applicable to certain proposed Wireless Facilities installed outside the Public Rights-of-Way on private and City-owned Property, under those circumstances set forth in Article 86 of the Boston Zoning Code.

Boston Redevelopment Authority - Design Review – Applicable to the construction of a new tower or other structure meeting the definition of an “antenna mounting structure” in Article 86 of the Zoning Code and to any other Wireless Facilities installed outside the Public Rights-of Way on private and City-owned Property and requiring zoning relief pursuant to Article 86.

Landmarks or Historic District Approvals – Applicable to proposed Wireless Facilities located within designated Landmarks or Historic Districts in accordance with the particular enabling legislation for each district.

Boston Transportation Department Permit – Applicable to all activity requiring a Street Occupancy Permit.

Boston Public Works Department Street Occupancy Permit – Applicable to all activity involving digging in City streets and certain activity involving the temporary occupation of portions of City streets.

Mayor’s Office of Neighborhood Services - Coordination on neighborhood notification as specified in Section 3.2.4 of this Agreement.