**EXHIBIT X-16A**

**TEMPLATE FOR**

**SCHEDULE OF APPROVED WIRELESS FACILITIES**

(To be completed for each Approved Wireless Facility design)

<table>
<thead>
<tr>
<th>Facility Number</th>
<th>X-16A – Pendant Style Light Pole</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Attachment Types</strong></td>
<td>(check all that apply and provide detail below)</td>
</tr>
<tr>
<td><em>X</em> Replacement City Pole (streetlight)</td>
<td></td>
</tr>
<tr>
<td>___ Replacement City Property Pole (streetlight)</td>
<td></td>
</tr>
<tr>
<td>___ Attach to existing City Pole (streetlight)</td>
<td></td>
</tr>
<tr>
<td>___ Attach to existing City Property Pole (streetlight)</td>
<td></td>
</tr>
<tr>
<td>___ Attach to existing City Pole (traffic signal)</td>
<td></td>
</tr>
<tr>
<td>___ Attach to existing City Property Pole (traffic signal)</td>
<td></td>
</tr>
<tr>
<td>___ Attach to existing City Pole (street furniture)</td>
<td></td>
</tr>
<tr>
<td>___ Attach to existing City Property Pole (street furniture)</td>
<td></td>
</tr>
<tr>
<td>___ Attach to Non-City Pole</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Attachment Type Detail</th>
<th>Pendant Style Poles located within an intersection at the discretion of Boston Street Lighting.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical Description</strong></td>
<td>Antenna System (no more than 42” diameter and 30” height) mounted to exterior of pole and painted to match pole. Antenna system can be installed above or below light fixture. Antenna system can be installed with previously approved exhibit X-16 antenna or as stand-alone system. Radio equipment, power and fiber equipment concealed within pole mounted cabinet, not to exceed 26” square and 46” tall, painted to match exterior pole. Overall height of replacement pole not to exceed 20% of existing pole height (not including antennas)</td>
</tr>
<tr>
<td><strong>Concealment</strong></td>
<td>Pole top antenna and related cabling will be contained as detailed above. Cabling will be routed within the replacement pole structure and will connect to the equipment housed within the cabinet.</td>
</tr>
</tbody>
</table>
### Included Documents

The following documents:

A. Replacement Pole Profile including fixture type(s), equipment specifications, and foundation and grounding details.
B. Photo showing an example of each Attachment Type listed or checked above.
C. Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility as installed.

### RF Compliance Information

Facility conforms to information already on file  **X** RF information attached

### Comments
STANDARD PENDANT LIGHT POLE
EXISTING CONDITIONS - EXHIBIT X-16

SUBMITTALS

REV  DATE  DESCRIPTION  INITIALS
1  1/8/20  FOR SUBMITTAL  LS
NEW TECHNOLOGY NOTE:
THE MAXIMUM ANTENNA SYSTEM SHOWN MAY BE INSTALLED
IN CONJUNCTION WITH THE PREVIOUSLY APPROVED EXHIBIT X
ANTENNA OR AS A STANDALONE CONFIGURATION.

GENERAL NOTES:
1. ALL DISTANCES, DIMENSIONS, LOCATIONS, EQUIPMENT
   DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL RESEMBLE CURRENTLY EXISTING MATERIALS
   AND WHERE NEEDED ANY RF FRIENDLY MATERIAL WILL BE
   PAINTED TO MATCH. MATERIALS & LIGHT FIXTURE TO BE
   SYNONYMOUS WITH SURROUNDING LIGHTS AT THAT LOCATION.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE
   ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
4. THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A CONCEPTUAL
   DESIGN
   FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE.
   THEREFORE, THESE DESIGNS 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 EXTENET SYSTEMS.
6. EQUIPMENT CLOSURE TO BE NO LARGER THAN (53"Hx26"Wx26"D).
7. ANTENNA TO BE NO LARGER THAN 16"Øx40"H.
8. 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 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'
9. EXTENET SYSTEMS WILL PLACE SMALL PLACARD ON POLE
   IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
10. LED LIGHT WILL BE INSTALLED AT THE SAME HEIGHT AS EXISTING.
11. LUMINARIE ARM WILL BE INSTALLED AT THE SAME HEIGHT AS
   EXISTING. ANY CHANGES TO EXISTING HEIGHT REQUIRES PRIOR
   APPROVAL BY THE CITY OF BOSTON'S STREET LIGHT DEPARTMENT.
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 FEATURE IS A METAL
   HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE
   SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN APPROVED
   LED FIXTURE.
14. STANDARD CONCRETE POLES AND POLE HEIGHTS SHALL BE
   APPROVED FOR THE FOLLOWING LUMINARY FIXTURES: AERIETA,
   COBRA, DOUBLE COBRA, SHOEBOX, CURVED, DOUBLE CURVED,
   STRAIGHT, AND DOUBLE STRAIGHT.

STANDARD PENDANT POLE ELEVATION - EXHIBIT X-16A

SCALE IN FEET

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LISLE, IL 60532
(630) 505-3800
WWW.EXTENETSYSTEMS.COM

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Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600
NEW TECHNOLOGY NOTE:
THE MAXIMUM ANTENNA SYSTEM SHOWN MAY BE INSTALLED IN CONJUNCTION WITH THE PREVIOUSLY APPROVED EXHIBIT X ANTENNA OR AS A STANDALONE CONFIGURATION.

GENERAL NOTES:
1. ALL DISTANCES, DIMENSIONS, LOCATIONS, EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL RESEMBLE CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY RF FRIENDLY MATERIAL WILL BE PAINTED TO MATCH. MATERIALS & LIGHT FIXTURE TO BE SYNONYMOUS WITH SURROUNDING LIGHTS AT THAT LOCATION.
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5. POLE REPLACEMENT HEIGHTS WILL VARY BASED ON REQUIRED ANTENNA HEIGHTS REQUESTED BY EXTenET SYSTEMS.
6. EQUIPMENT CLOSURE TO BE NO LARGER THAN (53"x26"x26"D).
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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 FEATURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN APPROVED LED FIXTURE.
14. STANDARD CONCRETE POLES AND POLE HEIGHTS SHALL BE APPROVED FOR THE FOLLOWING LUMINARY FIXTURES: AERIETA, COBRA, DOUBLE COBRA, SHOEBOX, CURVED, DOUBLE CURVED, STRAIGHT, AND DOUBLE STRAIGHT.

STANDARD PENDANT POLE ELEVATION - EXHIBIT X-16B

REV DATE DESCRIPTION INITIALS
1 1/8/20 FOR SUBMITTAL LS
STANDARD PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16B
NEW TECHNOLOGY NOTE:
THE MAXIMUM ANTENNA SYSTEM SHOWN MAY BE INSTALLED IN CONJUNCTION WITH THE PREVIOUSLY APPROVED EXHIBIT X ANTENNA OR AS A STANDALONE CONFIGURATION.

GENERAL NOTES:
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STANDARD PENDANT POLE ELEVATION - EXHIBIT X-16C

SCALE IN FEET

REV DATE DESCRIPTION INITIALS
1 1/8/20 FOR SUBMITTAL LS
STANDARD PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16C

SUBMITTALS

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21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600
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GENERAL NOTES:

STANDARD PENDANT POLE ELEVATION - EXHIBIT X-16D

SCALE IN FEET

5 0 5

PROPOSED FIBER VIA EXTENET CONDUIT

PROPOSED POWER FEED TO STREETLIGHT CONNECTED BY EVERSOURCE

TYPICAL C.O.B. CONCRETE FOUNDATION 84"X30"

22'-3" STEEL FLUTED POLE TAPERED DIAMETER (10" BASE 6¼" TOP) PAINTED TO MATCH EXISTING

PROPOSED (3) ANTENNAS WITH RADIOS (PROVIDED BY OTHERS)
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STANDARD PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16D
NEW TECHNOLOGY NOTE:
The maximum antenna system shown may be installed in conjunction with the previously approved exhibit X antenna or as a standalone configuration.

ANTENNA ASSEMBLY WITH 4G/LTE COMPATIBLE CSS CYL-X7CAP-2-C ANTENNA

CUSTOM MOUNTING BRACKET WITH ADJUSTABLE MOUNTING PLATE

17"-5" STEEL FLUTED POLE TAPERED DIAMETER (9" BASE 6" TOP) PAINTED TO MATCH EXISTING

POLE MOUNTED CABINET FOR RADIO EQUIPMENT

PROPOSED 1-GANG WEATHERPROOF BOX WITH (5) 1/4" KNOCK OUTS ATTACHED TO 3/4" THREADED HOLE IN POLE

PROPOSED FIBER VIA EXTENET CONDUIT

TYPICAL C.O.B. CONCRETE FOUNDATION 84"X30"

STANDARD DOUBLE PENDANT POLE ELEVATION - EXHIBIT X-16E

GENERAL NOTES:
1. All distances, dimensions, locations, equipment designations and specifications are approximate.
2. All materials will resemble currently existing materials and where needed any RF friendly material will be painted to match. Materials & light fixture to be synonymous with surrounding lights at that location.
3. It is assumed that all proposed utilities will be routed below grade to the proposed installation.
4. The purpose of the design shown is to show a conceptual design for the replacement/modifications of existing light pole. Therefore, these designs 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 Extenet Systems.
6. Equipment closure to be no larger than (53"hx26"w)x26"d).
7. Antenna to be no larger than 16"Øx40"H.
8. 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 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'
9. Extenet Systems will place small placard on pole identifying ownership/contact information.
10. LED light will be installed at the same height as existing.
11. Luminarie arm will be installed at the same height as existing. Any changes to existing height requires prior approval by the city of Boston's street light department.
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 feature is a metal halide or high pressure sodium fixture. In these scenarios, the fixture will be upgraded to an approved led fixture.
14. Standard concrete poles and pole heights shall be approved for the following luminarie fixtures: Aerieta, Cobra, Double Cobra, Shoebox, Curved, Double Curved, Straight, and Double Straight.

STANDARD DOUBLE PENDANT POLE ELEVATION - EXHIBIT X-16E

SCALE IN FEET

5 |

0 |

5 |

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Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

SUBMITTALS

REV DATE DESCRIPTION INITIALS
1 1/8/20 FOR SUBMITTAL LS

PV-16E
STANDARD DOUBLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16E
NEW TECHNOLOGY NOTE:
THE MAXIMUM ANTENNA SYSTEM SHOWN MAY BE INSTALLED IN CONJUNCTION WITH THE PREVIOUSLY APPROVED EXHIBIT X ANTENNA OR AS A STANDALONE CONFIGURATION.

ANTENNA ASSEMBLY WITH 4G/LTE COMPATIBLE CSS CYL-X7CAP-2-C ANTENNA

CUSTOM MOUNTING BRACKET WITH ADJUSTABLE MOUNTING PLATE

PROPOSED (3) ANTENNAS WITH RADIOS (PROVIDED BY OTHERS)

17'5" STEEL FLUTED POLE TAPERED DIAMETER (9" BASE 6" TOP) PAINTED TO MATCH EXISTING ANTENNA ASSEMBLY WITH 4G/LTE COMPATIBLE CSS CYL-X7CAP-2-C ANTENNA

POLE MOUNTED CABINET FOR RADIO EQUIPMENT

PROPOSED 1-GANG WEATHERPROOF BOX WITH (5) ½" KNOCK OUTS ATTACHED TO ½" THREADED HOLE IN POLE

SIDEWALK

ROAD

PROPOSED FIBER VIA EXTENET CONDUIT

PROPOSED POWER FEED TO STREETLIGHT CONNECTED BY EVERSOURCE

GENERAL NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS, EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.

2. ALL MATERIALS WILL RESEMBLE CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY RF FRIENDLY MATERIAL WILL BE PAINTED TO MATCH. MATERIALS & LIGHT FIXTURE TO BE SYNONYMOUS WITH SURROUNDING LIGHTS AT THAT LOCATION.

3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.

4. THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A CONCEPTUAL DESIGN FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE. THEREFORE, THESE DESIGNS 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 EXTENET SYSTEMS.

6. EQUIPMENT CLOSURE TO BE NO LARGER THAN (53"Hx26"Wx26"D).

7. ANTENNA TO BE NO LARGER THAN 16"Øx40"H.

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10. LED LIGHT WILL BE INSTALLED AT THE SAME HEIGHT AS EXISTING.

11. LUMINARIE ARM WILL BE INSTALLED AT THE SAME HEIGHT AS EXISTING. ANY CHANGES TO EXISTING HEIGHT REQUIRES PRIOR APPROVAL BY THE CITY OF BOSTON'S STREET LIGHT DEPARTMENT.

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 FEATURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN APPROVED LED FIXTURE.

14. STANDARD CONCRETE POLES AND POLE HEIGHTS SHALL BE APPROVED FOR THE FOLLOWING LUMINARY FIXTURES: AERIETA, COBRA, DOUBLE COBRA, SHOEBOX, CURVED, DOUBLE CURVED, STRAIGHT, AND DOUBLE STRAIGHT.

STANDARD DOUBLE PENDANT POLE ELEVATION - EXHIBIT X-16F

SCALE IN FEET

5 0 5

PV-16F

SUBMITTALS

REV DATE DESCRIPTION INITIALS

1 1/8/20 FOR SUBMITTAL LS
STANDARD DOUBLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16F

SUBMITTALS

REV  DATE     DESCRIPTION    INITIALS
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NEW TECHNOLOGY NOTE:
The maximum antenna system shown may be installed in conjunction with the previously approved exhibit X antenna or as a standalone configuration.

GENERAL NOTES:
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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 feature is a metal halide or high pressure sodium fixture. In these scenarios, the fixture will be upgraded to an approved LED fixture.
14. Standard concrete poles and pole heights shall be approved for the following luminarie fixtures: Aeris, Cobra, Double Cobra, Shoebox, Curved, Double Curved, Straight, and Double Straight.
STANDARD DOUBLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16G
NEW TECHNOLOGY NOTE:
THE MAXIMUM ANTENNA SYSTEM SHOWN MAY BE INSTALLED IN CONJUNCTION WITH THE PREVIOUSLY APPROVED EXHIBIT X ANTENNA OR AS A STANDALONE CONFIGURATION.

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1. ALL DISTANCES, DIMENSIONS, LOCATIONS, EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL RESEMBLE CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY RF FRIENDLY MATERIAL WILL BE PAINTED TO MATCH. MATERIALS & LIGHT FIXTURE TO BE SYNONYMOUS WITH SURROUNDING LIGHTS AT THAT LOCATION.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
4. THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A CONCEPTUAL DESIGN FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE. THEREFORE, THESE DESIGNS 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 EXTERNET SYSTEMS.
6. EQUIPMENT CLOSURE TO BE NO LARGER THAN (53"Hx26"Wx26"D).
7. ANTENNA TO BE NO LARGER THAN 16"Øx40"H.
8. 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 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'
9. EXTERNET SYSTEMS WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
10. LED LIGHT WILL BE INSTALLED AT THE SAME HEIGHT AS EXISTING.
11. LUMINARIE ARM WILL BE INSTALLED AT THE SAME HEIGHT AS EXISTING. ANY CHANGES TO EXISTING HEIGHT REQUIRES PRIOR APPROVAL BY THE CITY OF BOSTON'S STREET LIGHT DEPARTMENT.
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 FEATURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN APPROVED LED FIXTURE.
14. STANDARD CONCRETE POLES AND POLE HEIGHTS SHALL BE APPROVED FOR THE FOLLOWING LUMINARY FIXTURES: AERIETA, COBRA, DOUBLE COBRA, SHOEBOX, CURVED, DOUBLE CURVED, STRAIGHT, AND DOUBLE STRAIGHT.

STANDARD DOUBLE PENDANT POLE ELEVATION - EXHIBIT X-16H

SCALE IN FEET

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STANDARD DOUBLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16H
NEW TECHNOLOGY NOTE:
THE MAXIMUM ANTENNA SYSTEM SHOWN MAY BE INSTALLED IN CONJUNCTION WITH THE PREVIOUSLY APPROVED EXHIBIT X ANTENNA OR AS A STANDALONE CONFIGURATION.

PROPOSED (3) ANTENNAS WITH RADIOS (PROVIDED BY OTHERS)

17’-5” STEEL FLUTED POLE TAPERED DIAMETER (9” BASE 6” TOP) PAINTED TO MATCH EXISTING

1. ALL DISTANCES, DIMENSIONS, LOCATIONS, EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL RESEMBLE CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY RF FRIENDLY MATERIAL WILL BE PAINTED TO MATCH. MATERIALS & LIGHT FIXTURE TO BE SYNONYMOUS WITH SURROUNDING LIGHTS AT THAT LOCATION.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
4. THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A CONCEPTUAL DESIGN FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE. THEREFORE, THESE DESIGNS 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 EXTENET SYSTEMS.
6. EQUIPMENT CLOSURE TO BE NO LARGER THAN (53”Hx26”Wx26”D).
7. ANTENNA TO BE NO LARGER THAN 16”Øx40”H.
8. 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 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’
9. EXTENET SYSTEMS WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
10. LED LIGHT WILL BE INSTALLED AT THE SAME HEIGHT AS EXISTING.
11. LUMINARIE ARM WILL BE INSTALLED AT THE SAME HEIGHT AS EXISTING. ANY CHANGES TO EXISTING HEIGHT REQUIRES PRIOR APPROVAL BY THE CITY OF BOSTON’S STREET LIGHT DEPARTMENT.
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 FEATURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN APPROVED LED FIXTURE.
14. STANDARD CONCRETE POLES AND POLE HEIGHTS SHALL BE APPROVED FOR THE FOLLOWING LUMINARY FIXTURES: AERIETA, COBRA, DOUBLE COBRA, SHOEBOX, CURVED, DOUBLE CURVED, STRAIGHT, AND DOUBLE STRAIGHT.

GENERAL NOTES:

STANDARD DOUBLE PENDANT POLE ELEVATION - EXHIBIT 16I

SCALE IN FEET

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STANDARD DOUBLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16I
### SINGLE PENDANT LIGHT POLE
**EXISTING CONDITIONS - EXHIBIT X-16**

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**EXHIBIT X-16**
NEW TECHNOLOGY NOTE:
The maximum antenna system shown may be installed in conjunction with the previously approved exhibit X antenna or as a standalone configuration.

CUSTOM MOUNTING BRACKET WITH ADJUSTABLE MOUNTING PLATE

ANTENNA ASSEMBLY WITH AG/LTE COMPATIBLE CSS CYL-X7CAP-2-C ANTENNA

PROPOSED (3) ANTENNAS WITH RADIOS (PROVIDED BY OTHERS)

POLE MOUNTED CABINET FOR RADIO EQUIPMENT

PROPOSED 1-GANG WEATHERPROOF BOX WITH (5) 3/4" KNOCK OUTS ATTACHED TO 3/4" THREADED HOLE IN POLE

ANTENNA OPTION 2

PROPOSED FIBER VIA EXTENET CONDUIT

PROPOSED POWER FEED TO STREETLIGHT CONNECTED BY EVERSOURCE

TYPICAL C.O.B. CONCRETE FOUNDATION 84"X30"

GENERAL NOTES:
1. All distances, dimensions, locations, equipment designations and specifications are approximate.
2. All materials will resemble currently existing materials and where needed any RF friendly material will be painted to match. Materials & light fixture to be synonymous with surrounding lights at that location.
3. It is assumed that all proposed utilities will be routed below grade to the proposed installation.
4. The purpose of the design shown is to show a conceptual design for the replacement/modifications of existing light pole. Therefore, these designs 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 Extenet Systems.
6. Equipment closure to be no larger than (53"Hx26"Wx26"D).
7. Antenna to be no larger than 16"Øx40"H.
8. 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 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'
9. Extenet Systems will place small placard on pole identifying ownership/contact information.
10. LED light will be installed at same height as existing.
11. Luminarie arm will be installed at the same height as existing. Any changes to existing height requires prior approval by the City of Boston's Street Light department.
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 feature is a metal halide or high pressure sodium fixture. In these scenarios, the fixture will be upgraded to an approved LED fixture.
14. Pendant light pole and pole heights shall be approved for the following luminary fixtures: single pendant and double pendant.

SINGLE PENDANT LIGHT POLE ELEVATION - EXHIBIT X-16A

SCALE IN FEET
SINGLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16A (OPTION_1)
SINGLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16A (OPTION_2)
The maximum antenna system shown may be installed in conjunction with the previously approved Exhibit X antenna or as a standalone configuration.

New Technology Note:
The maximum antenna system shown may be installed in conjunction with the previously approved Exhibit X antenna or as a standalone configuration.

General Notes:
1. All distances, dimensions, locations, equipment designations and specifications are approximate.
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4. The purpose of the design shown is to show a conceptual design for the replacement/modifications of existing light pole. Therefore, these designs 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 Extenet Systems.
6. Equipment closure to be no larger than 53"Hx26"Wx26"D.
7. Antenna to be no larger than 16"Øx40"H.
8. 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 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'.
9. Extenet Systems will place small placard on pole identifying ownership/contact information.
10. LED light will be installed at same height as existing.
11. Luminaire arm will be installed at the same height as existing. Any changes to existing height requires prior approval by the city of Boston's street light department.
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 approved LED fixture.
14. Pendant light pole and pole heights shall be approved for the following luminary fixtures: Single pendant and double pendant.

Exhibit X-16b

Single Pendant Light Pole Elevation

Scale in Feet

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NEW TECHNOLOGY NOTE:
The maximum antenna system shown may be installed in conjunction with the previously approved Exhibit X antenna or as a standalone configuration.

GENERAL NOTES:
1. All distances, dimensions, locations, equipment designations and specifications are approximate.
2. All materials will resemble currently existing materials and where needed any RF friendly material will be painted to match. Materials & light fixture to be synonymous with surrounding lights at that location.
3. It is assumed that all proposed utilities will be routed below grade to the proposed installation.
4. The purpose of the design shown is to show a conceptual design for the replacement/modifications of existing light pole. Therefore, these designs 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 Extenet Systems.
6. Equipment closure to be no larger than (53"Hx26"Wx26"D).
7. Antenna to be no larger than 16"Øx40"H.
8. 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 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'
9. Extenet Systems will place small placard on pole identifying ownership/contact information.
10. LED light will be installed at same height as existing.
11. Luminarie arm will be installed at the same height as existing. Any changes to existing height requires prior approval by the City of Boston's Street Light Department.
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 feature is a metal halide or high pressure sodium fixture. In these scenarios, the fixture will be upgraded to an approved LED fixture.
14. Pendant light pole and pole heights shall be approved for the following luminary fixtures: single pendant and double pendant.

SINGLE PENDANT LIGHT POLE ELEVATION - EXHIBIT X-16C

SCALE IN FEET

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Lisle, IL 60532
(630) 505-3800
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21 Oxford Rd
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1-508-337-7600
SINGLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16C
NEW TECHNOLOGY NOTE:
The maximum antenna system shown may be installed in conjunction with the previously approved exhibit X antenna or as a standalone configuration.

GENERAL NOTES:
1. All distances, dimensions, locations, equipment designations and specifications are approximate.
2. All materials will resemble currently existing materials and where needed any rf friendly material will be painted to match. Materials & light fixture to be synonymous with surrounding lights at that location.
3. It is assumed that all proposed utilities will be routed below grade to the proposed installation.
4. The purpose of the design shown is to show a conceptual design for the replacement/modifications of existing light pole. Therefore, these designs 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 Extenet Systems.
6. Equipment closure to be no larger than (53"Hx26"Wx26"D).
7. Antenna to be no larger than 16"Øx40"H.
8. 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 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'
9. Extenet Systems will place small placard on pole identifying ownership/contact information.
10. LED light will be installed at same height as existing.
11. Luminarie arm will be installed at the same height as existing. Any changes to existing height requires prior approval by the City of Boston's Street Light Department.
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 feature is a metal halide or high pressure sodium fixture. In these scenarios, the fixture will be upgraded to an approved LED fixture.
14. Pendant light pole and pole heights shall be approved for the following luminary fixtures: single pendant and double pendant.

SINGLE PENDANT LIGHT POLE ELEVATION - EXHIBIT X-16D

SCALE IN FEET

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PV-16D
SINGLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16D

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NEW TECHNOLOGY NOTE:
The maximum antenna system shown may be installed in conjunction with the previously approved exhibit X antenna or as a standalone configuration.

GENERAL NOTES:
1. All distances, dimensions, locations, equipment designations and specifications are approximate.
2. All materials will resemble currently existing materials and where needed any RF friendly material will be painted to match. Materials & light fixture to be synonymous with surrounding lights at that location.
3. It is assumed that all proposed utilities will be routed below grade to the proposed installation.
4. The purpose of the design shown is to show a conceptual design for the replacement/modifications of existing light pole. Therefore, these designs 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 Extenet Systems.
6. Equipment closure to be no larger than (53"Hx26"Wx26"D).
7. Antenna to be no larger than 16"Øx40"H.
8. 14' existing pole to be replaced with new pole with a max height of 16.8'
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   29' existing pole to be replaced with new pole with a max height of 34.8'
9. Extenet Systems will place small placard on pole identifying ownership/contact information.
10. LED light will be installed at same height as existing.
11. Luminarie arm will be installed at the same height as existing. Any changes to existing height requires prior approval by the city of Boston's street light department.
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 feature is a metal halide or high pressure sodium fixture. In these scenarios, the fixture will be upgraded to an approved LED fixture.
14. Pendant light pole and pole heights shall be approved for the following luminary fixtures: single pendant and double pendant.

DOUBLE PENDANT LIGHT POLE ELEVATION - EXHIBIT X-16E

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DOUBLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16E (OPTION_2)
New Technology Note:
The maximum antenna system shown may be installed in conjunction with the previously approved exhibit X antenna or as a standalone configuration.

General Notes:
1. All distances, dimensions, locations, equipment designations and specifications are approximate.
2. All materials will resemble currently existing materials and where needed any RF friendly material will be painted to match. Materials & light fixture to be synonymous with surrounding lights at that location.
3. It is assumed that all proposed utilities will be routed below grade to the proposed installation.
4. The purpose of the design shown is to show a conceptual design for the replacement/modifications of existing light pole. Therefore, these designs 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 Extenet Systems.
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9. Extenet Systems will place small placard on pole identifying ownership/contact information.
10. LED light will be installed at same height as existing.
11. Luminarie arm will be installed at the same height as existing. Any changes to existing height requires prior approval by the City of Boston's Street Light Department.
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 feature is a metal halide or high pressure sodium fixture. In these scenarios, the fixture will be upgraded to an approved LED fixture.
14. Pendant light pole and pole heights shall be approved for the following luminary fixtures: single pendant and double pendant.
DOUBLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16F (OPTION_1)

1 1/8/20 FOR SUBMITTAL LS

SUBMITTALS

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## Double Pendant Light Pole

**Proposed Photosimulation - Exhibit X-16F (Option_2)**

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1-508-337-7600
NEW TECHNOLOGY NOTE:
The maximum antenna system shown may be installed in conjunction with the previously approved Exhibit X antenna or as a standalone configuration.

GENERAL NOTES:
1. All distances, dimensions, locations, equipment designs and specifications are approximate.
2. All materials will resemble currently existing materials and where needed any RF friendly material will be painted to match. Materials & light fixture to be synonymous with surrounding lights at that location.
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9. Extenet Systems will place small placard on pole identifying ownership/contact information.
10. LED light will be installed at same height as existing.
11. Luminarie arm will be installed at the same height as existing. Any changes to existing height requires prior approval by the City of Boston’s street light department.
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 approved LED fixture.
14. Pendant light pole and pole heights shall be approved for the following luminarie fixtures: single pendant and double pendant.
DOUBLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16G (OPTION_1)
DOUBLE PENDANT LIGHT POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-16G (OPTION_2)

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1-508-337-7600

PS-16G
NEW TECHNOLOGY NOTE:
THE MAXIMUM ANTENNA SYSTEM SHOWN MAY BE INSTALLED IN CONJUNCTION WITH THE PREVIOUSLY APPROVED EXHIBIT X ANTENNA OR AS A STANDALONE CONFIGURATION.

GENERAL NOTES:
1. ALL DISTANCES, DIMENSIONS, LOCATIONS, EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL RESEMBLE CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY RF FRIENDLY MATERIAL WILL BE PAINTED TO MATCH. MATERIALS & LIGHT FIXTURE TO BE SYNONYMOUS WITH SURROUNDING LIGHTS AT THAT LOCATION.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
4. THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A CONCEPTUAL DESIGN FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE. THEREFORE, THESE DESIGNS 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 EXTENET SYSTEMS.
6. EQUIPMENT CLOSURE TO BE NO LARGER THAN (53"Hx26"Wx26"D).
7. ANTENNA TO BE NO LARGER THAN 16"Øx40"H.
8. 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 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'
9. EXTENET SYSTEMS WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
10. LED LIGHT WILL BE INSTALLED AT SAME HEIGHT AS EXISTING.
11. LUMINARIE ARM WILL BE INSTALLED AT THE SAME HEIGHT AS EXISTING. ANY CHANGES TO EXISTING HEIGHT REQUIRES PRIOR APPROVAL BY THE CITY OF BOSTON'S STREET LIGHT DEPARTMENT.
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 FEATURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO AN APPROVED LED FIXTURE.
14. PENDANT LIGHT POLE AND POLE HEIGHTS SHALL BE APPROVED FOR THE FOLLOWING LUMINARY FIXTURES: SINGLE PENDANT AND DOUBLE PENDANT.

DOUBLE PENDANT LIGHT POLE ELEVATION - EXHIBIT X-16H

SCALE IN FEET

0 5

SUBMITTALS

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## DOUBLE PENDANT LIGHT POLE

PROPOSED PHOTOSIMULATION - EXHIBIT X-16H

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NEW TECHNOLOGY NOTE:
THE MAXIMUM ANTENNA SYSTEM SHOWN MAY BE INSTALLED
IN CONJUNCTION WITH THE PREVIOUSLY APPROVED EXHIBIT X
ANTENNA OR AS A STANDALONE CONFIGURATION.

GENERAL NOTES:
1. ALL DistANCES, DIMENSIONS, LOCATIONS, EQUIPMENT
   DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL RESEMBLE CURRENTLY EXISTING MATERIALS
   AND WHERE NEEDED ANY RF FRIENDLY MATERIAL WILL BE
   PAINTED TO MATCH. MATERIALS & LIGHT FIXTURE TO BE
   SYNONYMOUS WITH SURROUNDING LIGHTS AT THAT LOCATION.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE
   ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
4. THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A CONCEPTUAL
   DESIGN
   FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE.
   THEREFORE, THESE DESIGNS 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 EXTENET SYSTEMS.
6. EQUIPMENT CLOSURE TO BE NO LARGER THAN (53”H x 26”W x 26”D).
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