### EXHIBIT X-2A

**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-2A – Contemporary Square Aluminum Light Pole Antenna System</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>
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<tr>
<td>____ Replacement City Property Pole (streetlight)</td>
<td></td>
</tr>
<tr>
<td>____ Attach to existing City Pole (streetlight)</td>
<td></td>
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<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>
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<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>
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<tr>
<td><strong>Attachment Type Detail</strong></td>
<td>Contemporary Style Poles located within an intersection at the discretion of Boston Street Lighting.</td>
</tr>
<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-2 antenna or as stand-alone system. Radio equipment, power and fiber equipment concealed within expanded base, not to exceed 26” square and 46” tall. Base is to be painted to match exterior pole. Overall height of replacement pole not to exceed 20% of existing pole height (not including antennas)</td>
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<tr>
<td><strong>Concealment</strong></td>
<td>Pole top antenna and related cabling will be contained within a concealed structure as detailed above. Cabling will be routed within the replacement pole structure and will connect to the equipment housed within the expanded base. A decorative pole base will provide a transition from the pole to the expanded base.</td>
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<tr>
<td>Included Documents</td>
<td>The following documents:</td>
</tr>
<tr>
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<td></td>
<td>A. Replacement Pole Profile including fixture type(s), equipment specifications, and foundation and grounding details.</td>
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<tr>
<td></td>
<td>B. Photo showing an example of each Attachment Type listed or checked above.</td>
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<tr>
<td></td>
<td>C. Photo mockup of each Attachment Type listed or checked above showing the appearance after the Approved Wireless Facility as installed.</td>
</tr>
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<tr>
<th>RF Compliance Information</th>
<th>Facility conforms to information already on file □  RF information attached □</th>
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<th>Comments</th>
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CONTEMPORARY SQUARE ALUMINIUM POLE
EXISTING CONDITIONS - EXHIBIT X-2

SUBMITTALS

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<th>REV</th>
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<td>1/8/20</td>
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<td>LS</td>
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</table>
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.

CONTEMPORARY SQUARE ALUMINIUM POLE ELEVATION - EXHIBIT X-2A

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 EX TENET 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. EX TENET 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.
CONTEMPORARY SQUARE ALUMINIUM POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-2A
CONCRETE SIDEWALK
ROAD
SET IN GROUND 4" BELOW GRADE

INSTALL LUMINAIRE PER C.O.B. STANDARDS

CABLE EXIT PORTS (4)
CABLE EXIT PORTS (4)
CABLE EXIT PORTS (4)
CABLE EXIT PORTS (4)
EXISTING POLE TO BE FIELD MODIFIED TO ACCEPT ANTENNA/BASE WHILE MAINTAINING EXISTING LUMINAIRE HEIGHT

COAX FEED
COMMSCOPE LDF4-50A(1/2")

BASE CABINET FOR RADIO EQUIPMENT (53"x26"x26")

SEPARATE POWER TO CONTINUE TO STREETLIGHT

SET IN GROUND 4" BELOW GRADE

CONCRETE SIDEWALK

PROPOSED FIBER TO VERIZON MANHOLE VIA EXTENET CONDUIT

PROPOSED POWER FEED TO STREETLIGHT TO BE CONNECTED BY EVERSOURCE

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"x26"x26"x26")
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: Aerïta, Cobra, double Cobra, Shoebox, curved, double curved, straight, and double straight.

CONTEMPORARY SQUARE ALUMINUM POLE ELEVATION - EXHIBIT X-2B

SCALE IN FEET

5 0 5

extenet
SYSTEMS
YOUR NETWORK EVERYWHERE.
3030 WARRENVILLE RD
LISLE, IL 60532
(630) 505-3800
WWW.EXTERNETSYSTEMS.COM

PIKE TELECOM
21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

SUBMITTALS

REV DATE DESCRIPTION INITIALS
1 1/8/20 FOR SUBMITTAL LS
CONTEMPORARY SQUARE ALUMINIUM POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-2B

PS-2B
CONCRETE SIDEWALK
ROAD
SET IN GROUND 4" BELOW GRADE

INSTALL LUMINAIRE PER C.O.B. STANDARDS

COAX FEED
COMMSCOPE LDF4-50A(1/2")

EXISTING POLE TO BE FIELD MODIFIED TO ACCEPT ANTEÑNA/BASE WHILE MAINTAINING EXISTING LUMINAIRE HEIGHT

BASE CABINET FOR RADIO EQUIPMENT (53"x26"x26")

CONCRETE SIDEWALK

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

CABLE EXIT PORTS (4)

SEPARATE POWER TO CONTINUE TO STREETLIGHT

SET IN GROUND 4" BELOW GRADE

CONTEMPORARY SQUARE ALUMINIUM POLE ELEVATION - EXHIBIT X-2C

SCALE IN FEET

3030 WARRENVILLE RD
Lisle, IL 60532
(630) 505-3800
WWW.EXTENETSYSTEMS.COM

21 Oxford Rd
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.
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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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. 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 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.

PROPOSED FIBER TO VERIZON MANHOLE VIA EXTENET CONDUIT
PROPOSED POWER FEED TO STREET/LIGHT TO BE CONNECTED BY EVERSOURCE

21/8/20 FOR SUBMITTAL LS
### Submittals

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**CONTEMPORARY SQUARE ALUMINIUM POLE**  
**PROPOSED PHOTOSIMULATION - EXHIBIT X-2C**
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   HEIGHT OF 28.8' 
   29' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX 
   HEIGHT OF 34.8'
9. EX TENET SYSTEMS WILL PLACE SMALL PLACARD ON POLE 
   IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
10. LED LIGHT WILL BE INSTALLED AT THE SAME HEIGHT AS EXISTING.
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   EXISTING. ANY CHANGES TO EXISTING HEIGHT REQUIRES PRIOR 
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   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.

CONTEMPORARY SQUARE ALUMINIUM POLE ELEVATION - EXHIBIT X-2D

SCALE IN FEET

5 0 5

SUBMITTALS

REV  DATE  DESCRIPTION  INITALS
1  1/8/20  FOR SUBMITTAL  LS
CONTEMPORARY SQUARE ALUMINIUM POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-2D

SUBMITTALS

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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 LUMINARY FIXTURES: AERIETA, COBRA, DOUBLE COBRA, SHOEBOX, CURVED, DOUBLE CURVED, STRAIGHT, AND DOUBLE STRAIGHT.

CONTEMPORARY SQUARE ALUMINIUM POLE ELEVATION - EXHIBIT X-2E

SCALE IN FEET

5 0 5

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

PV-2E

EXTEMET SYSTEMS
3030 WARRENVILLE RD
LISLE, IL 60532
(630) 505-3800
WWW.EXTEMETSYSTEMS.COM

SUBMITTALS
REV DATE DESCRIPTION INITIALS
1 1/8/20 FOR SUBMITTAL LS
CONTEMPORARY SQUARE ALUMINIUM POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-2E
CONCRETE SIDEWALK
ROAD
SET IN GROUND 4" BELOW GRADE

INSTALL LUMINAIRE PER C.O.B. STANDARDS

COAX FEED COMMSCOPE LDF4-50A(1/2"

EXISTING POLE TO BE FIELD MODIFIED TO ACCEPT ANTENNA/BASE WHILE MAINTAINING EXISTING LUMINAIRE HEIGHT

BASE CABINET FOR RADIO EQUIPMENT (53"x26"x26")

SEPARATE POWER TO CONTINUE TO STREETLIGHT

SET IN GROUND 4" BELOW GRADE

CONTEMPORARY SQUARE ALUMINIUM POLE ELEVATION - EXHIBIT X-2F

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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.

PROPOSED FIBER TO VERIZON MANHOLE VIA EXSTENET CONDUIT
PROPOSED POWER FEED TO STREETLIGHT TO BE CONNECTED BY EVERSOURCE

PV-2F

SUBMITTALS
REV   DATE  DESCRIPTION  INITALS
1    1/8/20  FOR SUBMITTAL  LS
CONTEMPORARY SQUARE ALUMINIUM POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-2F

SUBMITTALS

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CONCRETE SIDEWALK
ROAD
SET IN GROUND 4" BELOW GRADE

INSTALL LUMINAIRE PER C.O.B. STANDARDS

COAX FEED
COMMSCOPE LDF4-50A(1/2")

PROPOSED FIBER TO VERIZON MANHOLE VIA EXTENET CONDUIT
PROPOSED POWER FEED TO STREETLIGHT TO BE CONNECTED BY EVERSOURCE

EXISTING POLE TO BE FIELD MODIFIED TO ACCEPT ANTENNA/BASE WHILE MAINTAINING EXISTING LUMINAIRE HEIGHT

BASE CABINET FOR RADIO EQUIPMENT (53"x26"x26")

SEPARATE POWER TO CONTINUE TO STREETLIGHT

CONCRETE SIDEWALK

CONTEMPORARY SQUARE ALUMINIUM POLE ELEVATION - EXHIBIT X-2G

SCALE IN FEET

0 5 10 15

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.

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.
CONTEMPORARY SQUARE ALUMINIUM POLE
PROPOSED PHOTOSIMULATION - EXHIBIT X-2G
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**CONTEMPORARY SQUARE ALUMINIUM POLE**

**PROPOSED PHOTOSIMULATION - EXHIBIT X-2H**