

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"> • 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	<p><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></p>
Included Documents	<p><i>The following documents:</i></p> <ol 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 LED STREETLIGHT SOLUTION



STREET SIDE

FIELD SIDE

PROPOSED TOP VIEW

SCALE 1"=5'

ANTENNA & EQUIPMENT NOT SHOWN FOR CLARITY

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

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 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.
4. LIGHTOWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE INTERFERENCE OF THE EXISTING UTILITIES WITH THE ANTENNA CONCEPT. THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A 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 LIGHTOWER FIBER NETWORKS.
6. RRH TO BE NO LARGER THAN 1.6" W x 1.2" D x 40" H.
7. ANTENNA TO BE NO LARGER THAN 1.6" W 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 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. 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.

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

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

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

LED LIGHT FIXTURE

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



PREPARED BY
UC SYNERGETIC
Providing Proven, Integrated Solutions
1000 W. WASHINGTON ST.
MANCHESTER, NH 03104
WWW.UCSYNERGETIC.COM
1-908-337-7600

FIBERTECH SMALL CELL
PROPOSED

REV	REVISIONS	DATE

DRAWN: DTB
SCALE: 1"=5'
ISSUE DATE: 12/27/16
USER NAME: SCMA.0001
SHEET # 1 OF 2

1

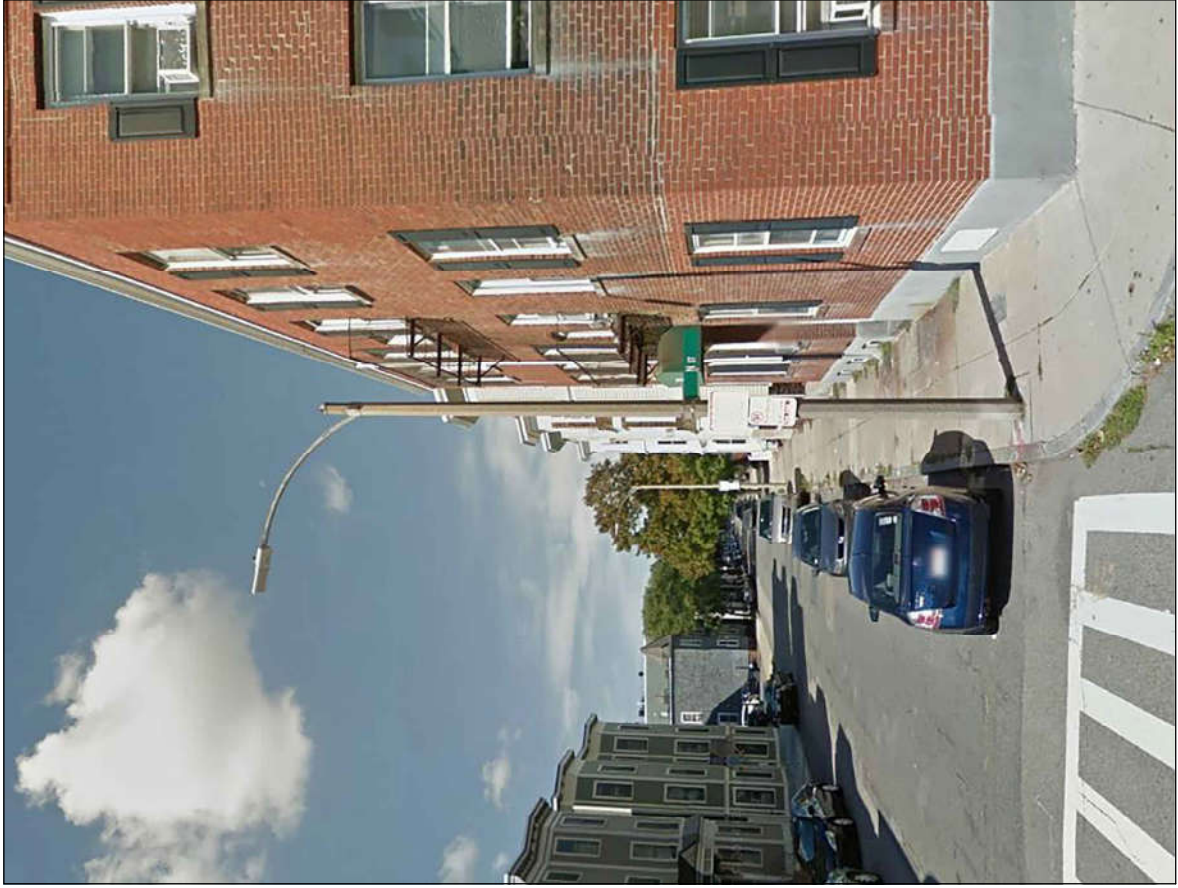
LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:



PROPOSED PHOTOGRAPHIC SIMULATION



EXISTING PHOTOGRAPHIC VIEW

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:



PREPARED BY:
UC SYNERGETIC
 Innovative Fiber optic - Integrated Solutions
 MANCHESTER, MA 02148
 WWW.UCSYNERGETIC.COM 1-908-337-7600

FIBERTECH SMALL CELL
 PHOTO SIM

REVISIONS	
REV	DESCRIPTION

DRAWN: DTB
SCALE: NTS
ISSUE DATE: 12/27/16
USER NAME: SCMA.0001
SHEET: 2 OF 2

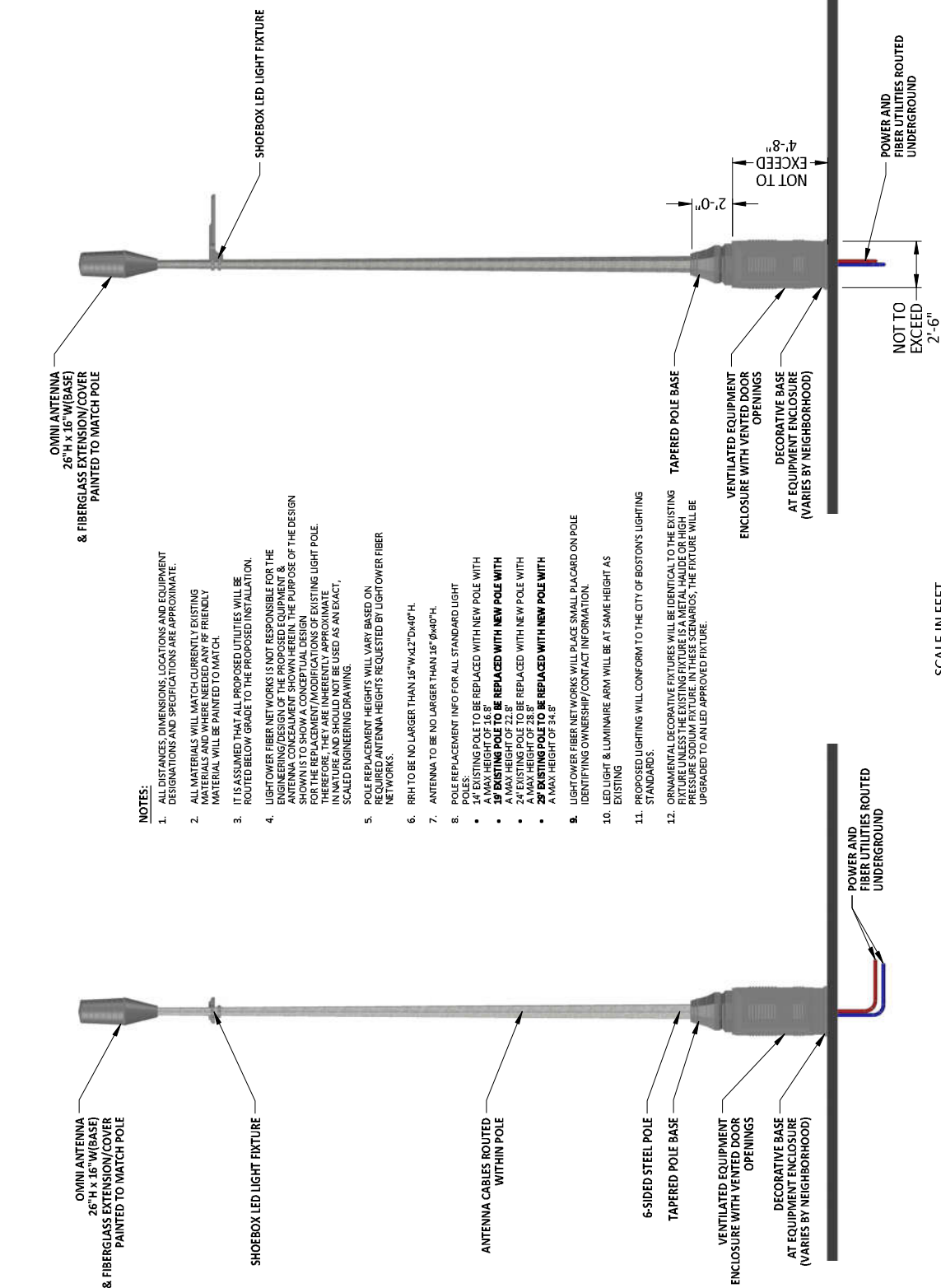
EXHIBIT X-2

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	<p><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></p>
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 SINGLE STUB LED STREETLIGHT SOLUTION



NOTES:

- ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
- ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY R/F FRIENDLY MATERIAL 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 ANTENNA DESIGN OR THE DESIGN OF THE LIGHT TOWER & ANTENNA CONCEALMENT. SHOWING HEREIN IS FOR CONCEPTUAL DESIGN PURPOSES ONLY. THE PURPOSE OF THIS DESIGN IS TO SHOW A 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.
- POLE REPLACEMENT HEIGHTS WILL VARY BASED ON REQUIRED ANTENNA HEIGHTS REQUESTED BY LIGHTOWER FIBER NETWORKS.
- RRH TO BE NO LARGER THAN 1.6" W/ 3.2" D/ 4.0" H.
- ANTENNA TO BE NO LARGER THAN 1.6" W/ 6.0" H.
- POLE REPLACEMENT INFO FOR ALL STANDARD LIGHT POLES:
 - 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 30.8'**
 - 29' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 34.8'**
- 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

2 PROPOSED PROFILE - SIDE VIEW
FROM ROADSIDE LOOKING UP ROAD

PROPOSED TOP VIEW

SCALE 1"=5'
NOTE: ALL EQUIPMENT NOT SHOWN FOR CLARITY

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:



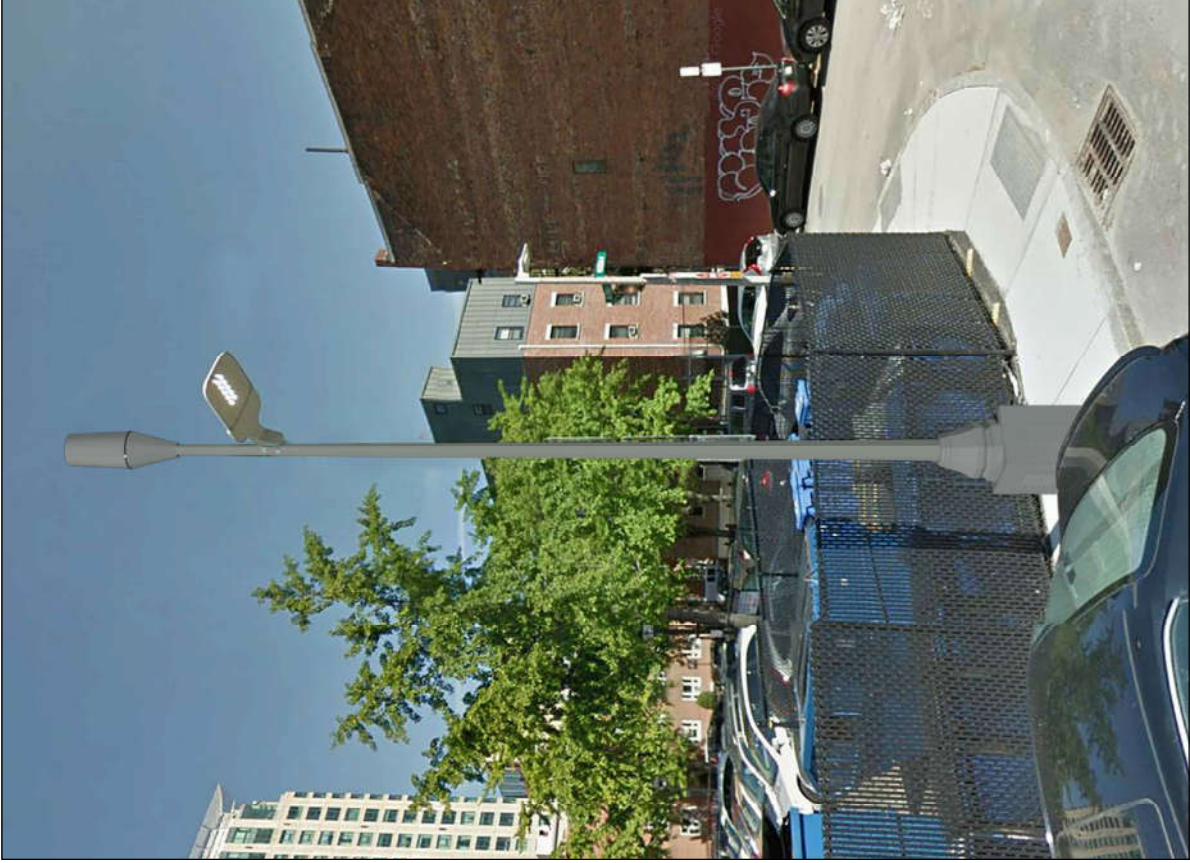
PREPARED BY:
UC SYNERGETIC
Professional Consulting & Engineering Solutions
1000 WASHINGTON STREET, SUITE 1000
MANCHESTER, NH 03104
WWW.UCSYNERGETIC.COM
1-908-337-7600

FIBERTECH SMALL CELL
PROPOSED

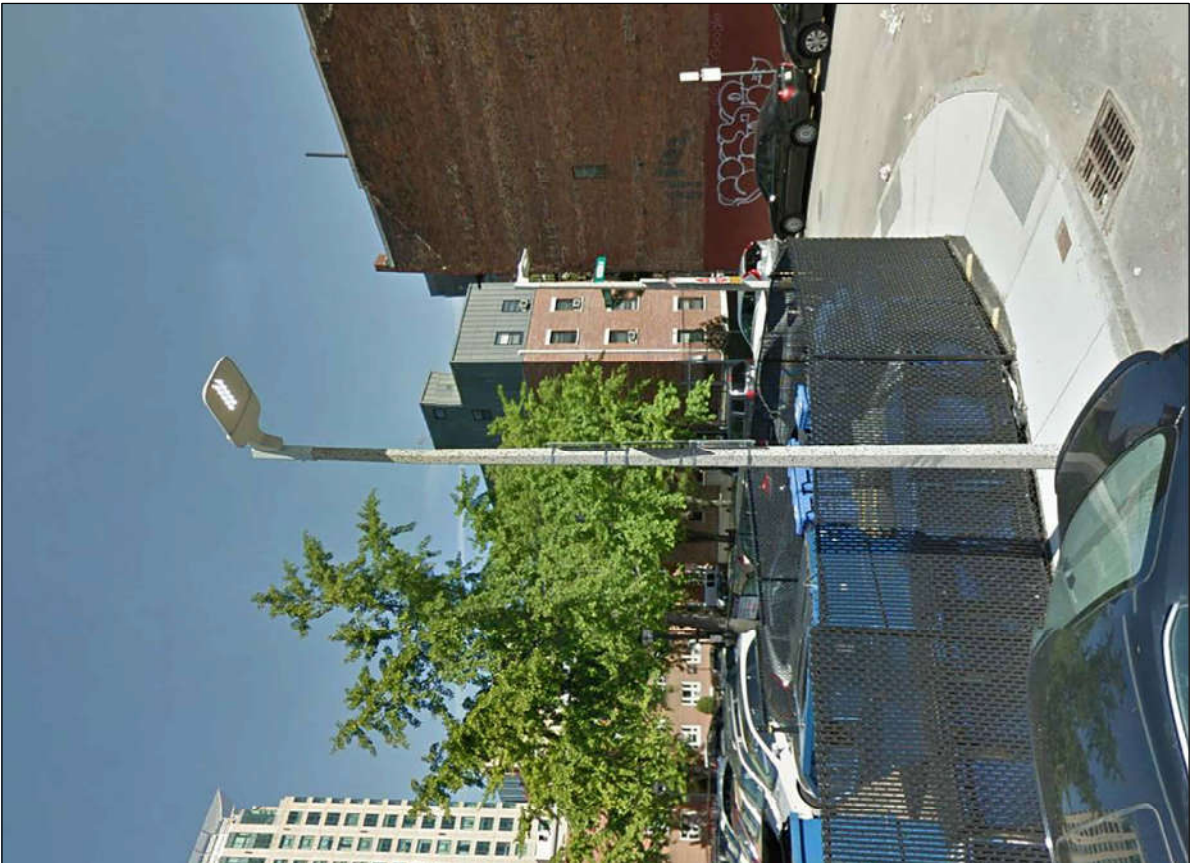
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SCALE:	1"=5'
ISSUE DATE:	12/22/16
USER NAME:	SC/MMA/0001
SHEET #	1 OF 2

1



PROPOSED PHOTOGRAPHIC SIMULATION



EXISTING PHOTOGRAPHIC VIEW

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:



PREPARED BY:
UC SYNERGETIC
 Innovative Planning - Programmed Solutions
 1000 WASHINGTON STREET
 MANCHESTER, MA 02108
 WWW.UCSYNERGETIC.COM 1-908-337-7600

FIBERTECH SMALL CELL
 PHOTO SIM

REVISIONS		DATE
REV	DESCRIPTION	

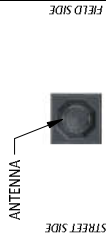
DRAWN: DTB
SCALE: NTS
ISSUE DATE: 12/22/16
USER NAME: SCMA0001
SHEET: 2 OF 2

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.</i></p> <p><i>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> <ol 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><input checked="" type="checkbox"/> Facility conforms to information already on file</p> <ul style="list-style-type: none"> • Information attached
Comments	

PROPOSED SPRING CITY STREETLIGHT SOLUTION



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

DECORATIVE LIGHT FIXTURE

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

ANTENNA CABLES ROUTED
WITHIN POLE

FLUTED 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

POWER AND
FIBER UTILITIES ROUTED
UNDERGROUND

NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND 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.
4. LIGHTOWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE INTERFERENCE OF THE PROPOSED EQUIPMENT AND ANTENNA CONCEPTS WITH ANY OTHER UTILITIES. THE PURPOSE OF THIS DESIGN IS TO SHOW A 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 LIGHTOWER FIBER NETWORKS.
6. RRH TO BE NO LARGER THAN 1.6" W x 12.7" D x 40" H.
7. ANTENNA TO BE NO LARGER THAN 1.6" W 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 22.8'
 - 24' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 30.8'
 - 29' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 34.8'
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"=5'

VENTILATED EQUIPMENT
ENCLOSURE
NOT SHOWN FOR CLARITY

LOCATION:
BOSTON, MA

NOTE:
VENTILATED EQUIPMENT
ENCLOSURE
NOT SHOWN FOR CLARITY

PREPARED FOR:
LIGHTOWER



PREPARED BY:
UC SYNERGETIC
Fiber optic solutions, Programmable Solutions
MANCHESTER, NH 03104
WWW.LIGHTOWER.COM 1-908-337-7600

FIBERTECH SMALL CELL
PROPOSED

REV	REVISIONS	DATE

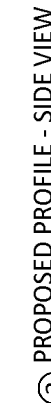
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SCALE: 1"=5'
ISSUE DATE: 12/29/15
USER NAME: SC/MH/000
SHEET # 1 OF 2

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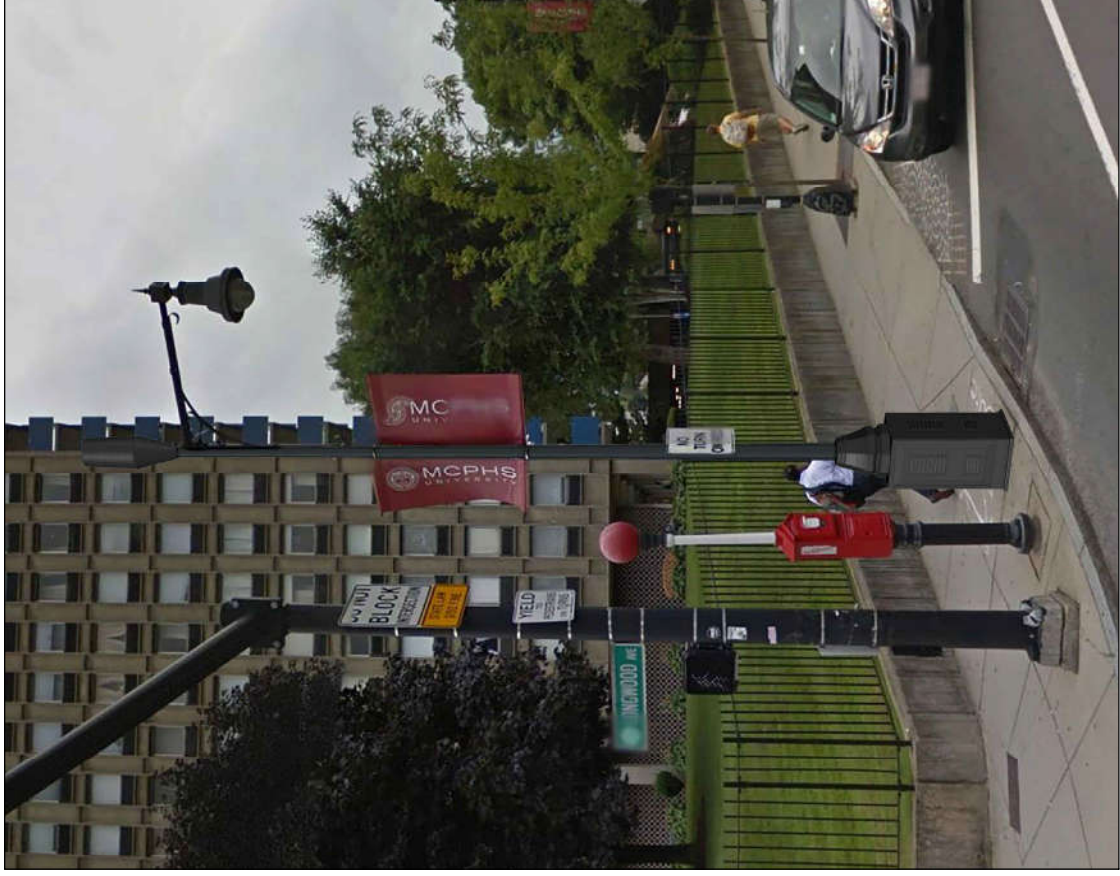
PROPOSED PROFILE - REAR VIEW FROM FIELD LOOKING TOWARDS ROAD



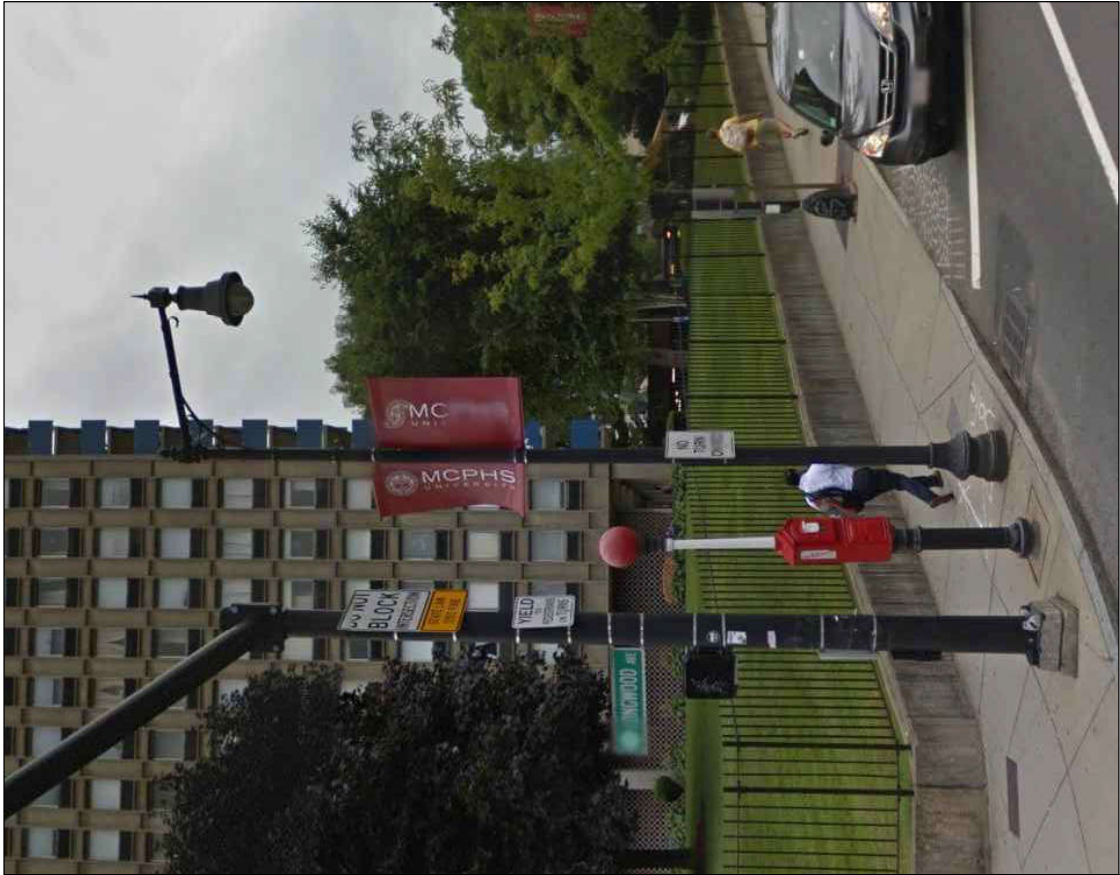
PROPOSED PROFILE - SIDE VIEW FROM ROADSIDE LOOKING UP ROAD



2



PROPOSED PHOTOGRAPHIC SIMULATION



EXISTING PHOTOGRAPHIC VIEW

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:



PREPARED BY:
UC SYNERGETIC
 Innovative Thinking. Integrated Solutions.
 100 STATE ST. 10TH FLOOR
 MANCHESTER, MA 02108
 WWW.UCSYNERGETIC.COM 1-908-337-7600

FIBERTECH SMALL CELL
 PHOTO SIM

REVISIONS		DATE
KEY	DESCRIPTION	

DRAWN: DTB
SCALE: N/A
ISSUE DATE: 12/29/16
USER NAME: SC/MMA/0001
SHEET: 2 OF 2

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



OMNI ANTENNA
26"H x 16"W (BASE)

STEEL MOUNTING BRACKET

OMNI ANTENNA
26"H x 16"W (BASE)

STEEL MOUNTING BRACKET

NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND 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.
4. LIGHTOWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE INTERFERENCE OF PROPOSED EQUIPMENT WITH EXISTING ANTENNA CONCEALMENT. SHOW HEREIN THE PURPOSE OF THE DESIGN IS TO SHOW A 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 LIGHTOWER FIBER NETWORKS.
6. RRU TO BE NO LARGER THAN 18" W x 12" D x 40" H.
7. ANTENNA TO BE NO LARGER THAN 18" W 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 18.8'
 - 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 26.8'
 - 29' EXISTING POLE TO BE REPLACED WITH NEW POLE WITH A MAX HEIGHT OF 34.8'
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.

EXISTING SECONDARY

EXISTING STREETLIGHT

RRU CONCEALMENT

DISCONNECT SWITCH

ELECTRIC METER

EXISTING SECONDARY

EXISTING STREETLIGHT

RRU CONCEALMENT

DISCONNECT SWITCH

WOOD POLE

ELECTRIC METER

5'-0"

10'-0"

11'-0"

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"=5'
CABLES & EXISTING UTILITY EQUIPMENT NOT SHOWN FOR CLARITY

LOCATION: BROOKLINE, MA

NOTE:

PREPARED FOR:



PREPARED BY:
UC SYNERGETIC
Providing Proven, Proven Solutions
1000 GARDEN CITY ROAD
MANCHESTER, MA 02148
1-908-337-7600
WWW.UCSYNERGETIC.COM

FIBERTECH SMALL CELL
PROPOSED

REV	DESCRIPTION	DATE

DRAWN BY: DFB
SCALE: 1"=5'
ISSUE DATE: 12/29/15
USER NAME: SCMA.0001
SHEET: 1 OF 2



EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

LOCATION: BROOKLINE, MA

NOTES:



PREPARED BY:
UC SYNERGETIC
 Innovative Thinking. Proven Solutions.
 1000 WASHINGTON STREET
 MANCHESTER, MA 02148
 WWW.UCENR.COM 1-908-337-7600

FIBERTECH SMALL CELL
 PHOTO SIM

REVISIONS		DATE
REV	DESCRIPTION	

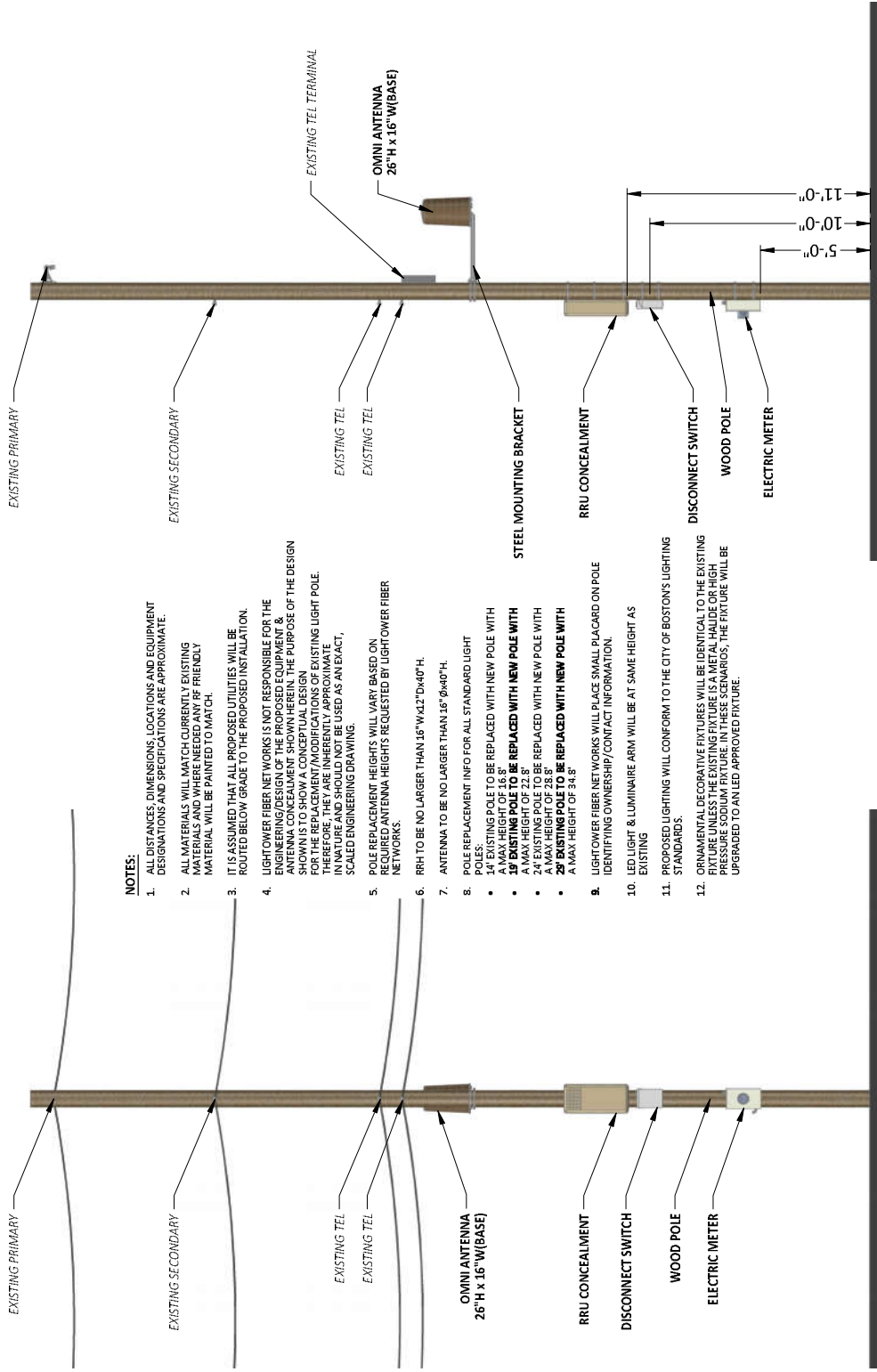
DRAWN: DTB
SCALE: NTS
ISSUE DATE: 12/27/16
USER NAME: SCMA\DCS
SHEET: 2 OF 2

EXHIBIT X-5

SCHEDULE OF APPROVED WIRELESS FACILITIES

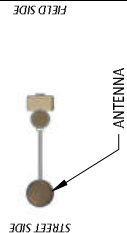
Facility Number	X-5 Wood Utility Pole Antenna Side Mount
Attachment Types <i>(check all that apply and provide detail below)</i>	<input type="checkbox"/> Replacement City Pole (streetlight) <input type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing 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"> <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	<input checked="" type="checkbox"/> Facility conforms to information already on file <ul style="list-style-type: none"> <input type="checkbox"/> 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 NEEDED ANY R/F 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 IDENTIFICATION OF EXISTING UTILITIES OR THE LOCATION OF AN ANTENNA CONCEALMENT. SHOWING HEREIN IS FOR THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A 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 LIGHTOWER FIBER NETWORKS.
6. RRH TO BE NO LARGER THAN 1.6\"/>



PROPOSED TOP VIEW

SCALE: 1\"/>

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:



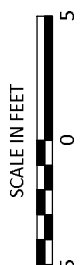
PREPARED BY:
UC SYNERGETIC
 Fiber Optic Consulting - Professional Solutions
 1000 CENTRE STREET
 MANCHESTER, MA 01048
 WWW.UCSYNERGETIC.COM 1-908-337-7600

FIBERTECH SMALL CELL
 PROPOSED

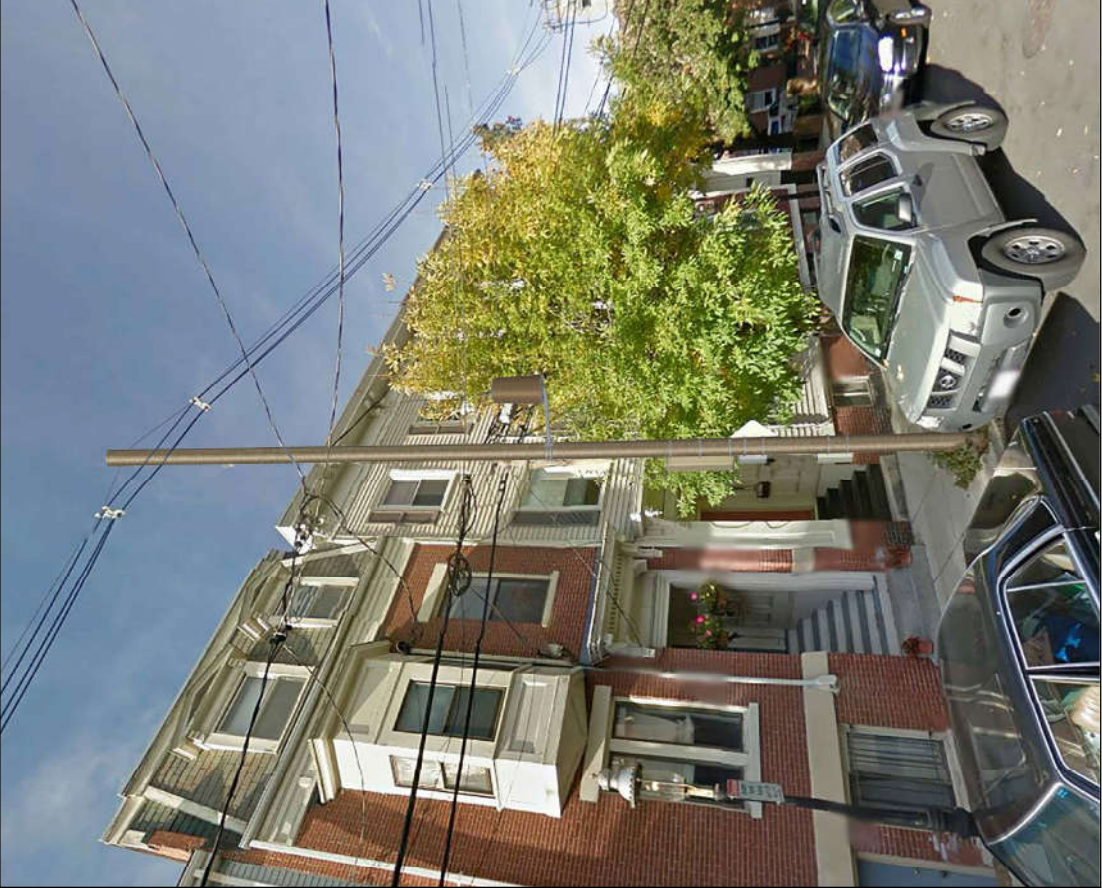
REV	DESCRIPTION	DATE

DRAWN: DFB
SCALE: 1\"/>
ISSUE DATE: 12/27/16
USER NAME: SCMA.0001
SHEET: 1 OF 2

② PROPOSED PROFILE - SIDE VIEW FROM ROADSIDE LOOKING UP ROAD



① PROPOSED PROFILE - REAR VIEW FROM FIELD LOOKING TOWARDS ROAD



PROPOSED PHOTOGRAPHIC SIMULATION



EXISTING PHOTOGRAPHIC VIEW

LOCATION: BOSTON, MA

NOTES:

PREPARED FOR:



PREPARED BY:
UC SYNERGETIC
 Innovative Thinking. Proven Solutions.
 MANCHESTER, MA 02108
 WWW.UCSYNERGETIC.COM 1-908-337-7600

FIBERTECH SMALL CELL
 PHOTO SIM

REVISIONS		DATE
KEY	DESCRIPTION	

QUANTITY: DB	
SCALE: INT	
ISSUE DATE: 12/27/16	
USER NAME: SC/MMA/0001	
SHEET: 2 OF 2	

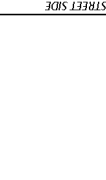
EXHIBIT X-6

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.</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	<p><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></p>
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



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

DECORATIVE LIGHT FIXTURE

NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND 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.
4. LIGHTOWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE INTERFERENCE OF THE PROPOSED LIGHT TOWER & ANTENNA CONCEALMENT WITH NEIGHBORING DESIGN SHOWN IS TO SHOW A 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 LIGHTOWER FIBER NETWORKS.
6. RRH TO BE NO LARGER THAN 1.6" W x 12.7" D x 40" H.
7. ANTENNA TO BE NO LARGER THAN 1.6" W 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 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. 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.

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

STEEL POLE
ANTENNA CABLES ROUTED
WITHIN POLE
TAPERED POLE BASE
VENTILATED EQUIPMENT
ENCLOSURE WITH VENTED DOOR
OPENINGS
DECORATIVE BASE
AT EQUIPMENT ENCLOSURE
(VARIES BY NEIGHBORHOOD)

VENTILATED EQUIPMENT
ENCLOSURE WITH VENTED DOOR
OPENINGS
DECORATIVE BASE
AT EQUIPMENT ENCLOSURE
(VARIES BY NEIGHBORHOOD)

POWER AND
FIBER UTILITIES ROUTED
UNDERGROUND

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

VENTILATED EQUIPMENT
ENCLOSURE WITH VENTED DOOR
OPENINGS
DECORATIVE BASE
AT EQUIPMENT ENCLOSURE
(VARIES BY NEIGHBORHOOD)

POWER AND
FIBER UTILITIES ROUTED
UNDERGROUND

VENTILATED EQUIPMENT
ENCLOSURE WITH VENTED DOOR
OPENINGS
DECORATIVE BASE
AT EQUIPMENT ENCLOSURE
(VARIES BY NEIGHBORHOOD)

POWER AND
FIBER UTILITIES ROUTED
UNDERGROUND

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

PROPOSED TOP VIEW

SCALE 1"=5'

CABLES & DISTRIBUTION EQUIPMENT
NOT SHOWN FOR CLARITY

LOCATION: BROOKLINE, MA

NOTE:

PREPARED FOR:



PREPARED BY:
UC SYNERGETIC
Providing Proven, Integrated Solutions
1000 WASHINGTON STREET, SUITE 200
MANCHESTER, NH 03104
WWW.UCSYNERGETIC.COM
1-908-337-7600

FIBERTECH SMALL CELL
PROPOSED

REV	REVISIONS	DATE

DATE: 12/28/15
ISSUE DATE: 12/28/15
PROJECT NAME: SCMA 0000

1
SHEET # 1 OF 2



EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

LOCATION: BROOKLINE, MA

NOTE:

PREPARED FOR:



PREPARED BY:
UC SYNERGETIC
 Providing Proven, Integrated Solutions
 1000
 MANCHESTER, MA 01048
 WWW.UCSYNERGETIC.COM 1-908-337-7600

FIBERTECH SMALL CELL
 PHOTO SIM

REVISIONS	
REV	DESCRIPTION

DRAWN: DTB

SCALE: 1/8" = 1'-0"

ISSUE DATE: 12/29/16

USER NAME: SCMA0001

SHEET: 2 OF 2

EXHIBIT X-10

SCHEDULE OF APPROVED WIRELESS FACILITIES

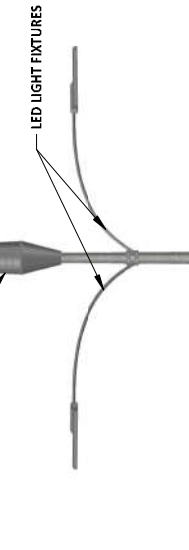
Facility Number	X-10 Double Curved Light Pole RRH Concealment
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> 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> <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 DOUBLE CURVED LED STREETLIGHT SOLUTION



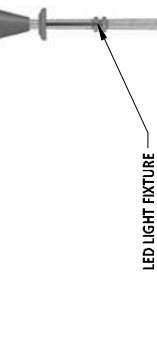
OMNI ANTENNA
26" H x 16" W (BASE)
& FIBERGLASS EXTENSION/COVER
PAINTED TO MATCH POLE



NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND 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.
4. LIGHTOWER FIBER NETWORKS IS NOT RESPONSIBLE FOR THE INTERFERENCE OF THE PROPOSED LIGHT TOWER & ANTENNA CONCEPT. THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A 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 LIGHTOWER FIBER NETWORKS.
6. RRH TO BE NO LARGER THAN 1.6" W x 12.7" D x 40" H.
7. ANTENNA TO BE NO LARGER THAN 1.6" W 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 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. 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.

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



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)

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"

POWER AND FIBER UTILITIES ROUTED UNDERGROUND

2'-0"

NOT TO EXCEED 4'-8"



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"=5'
NOTES: ALL UTILITIES EQUIPMENT NOT SHOWN FOR CLARITY

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:

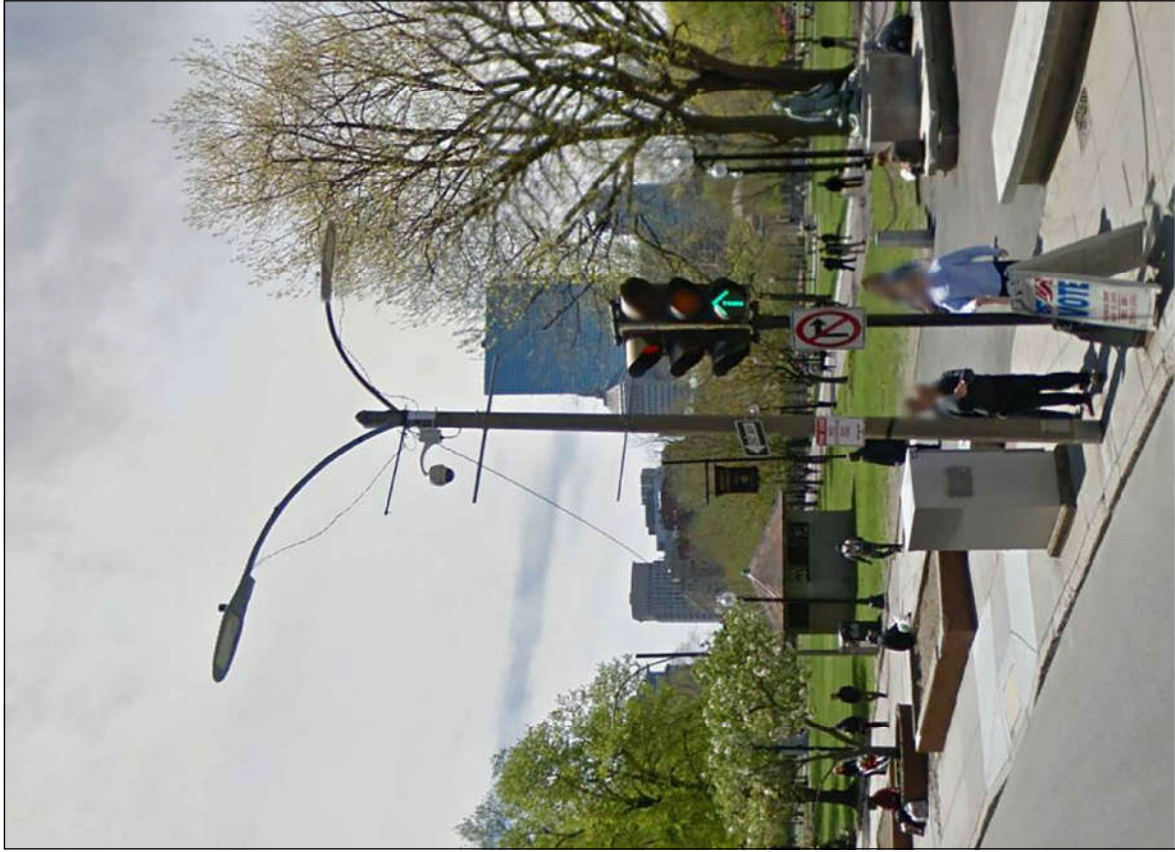


PREPARED BY:
UC SYNERGETIC
Providing Proven, Integrated Solutions
1000 WASHINGTON STREET
MANCHESTER, NH 03104
WWW.UCSYNERGETIC.COM
1-908-337-7600

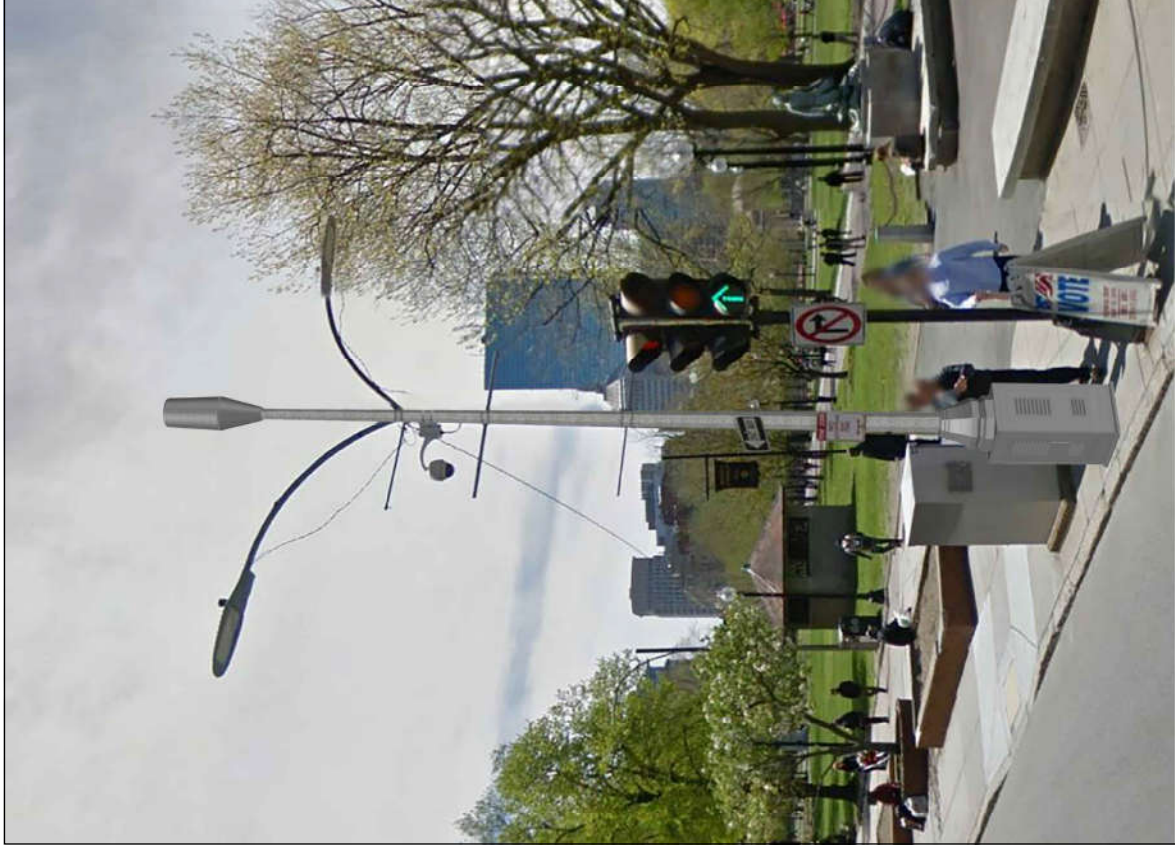
FIBERTECH SMALL CELL
PROPOSED

REV	REVISIONS	DATE

DRAWN: DTB
SCALE: 1"=5'
ISSUE DATE: 12/21/16
USER NAME: SCMA.0001
SHEET # 1 OF 2



EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:



PREPARED BY:
UC SYNERGETIC
 Innovative Thinking. Proven Solutions.
 1000 WASHINGTON STREET
 MANCHESTER, MA 02108
 WWW.UCSYNERG.COM 1-908-337-7600

FIBERTECH SMALL CELL
 PHOTO SIM

REVISIONS		DATE
KEY	DESCRIPTION	

DRAWN: DTB
SCALE: N/A
ISSUE DATE: 12/21/16
USER NAME: SCAMAC001
SHEET: 2 OF 2

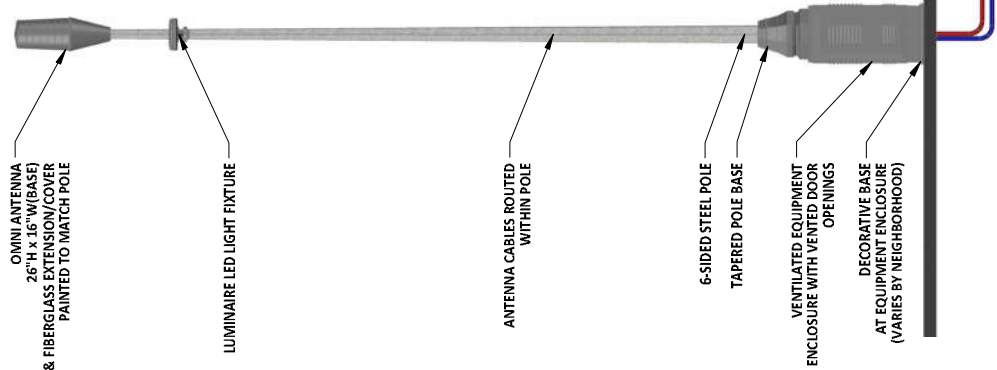
EXHIBIT X-11

SCHEDULE OF APPROVED WIRELESS FACILITIES

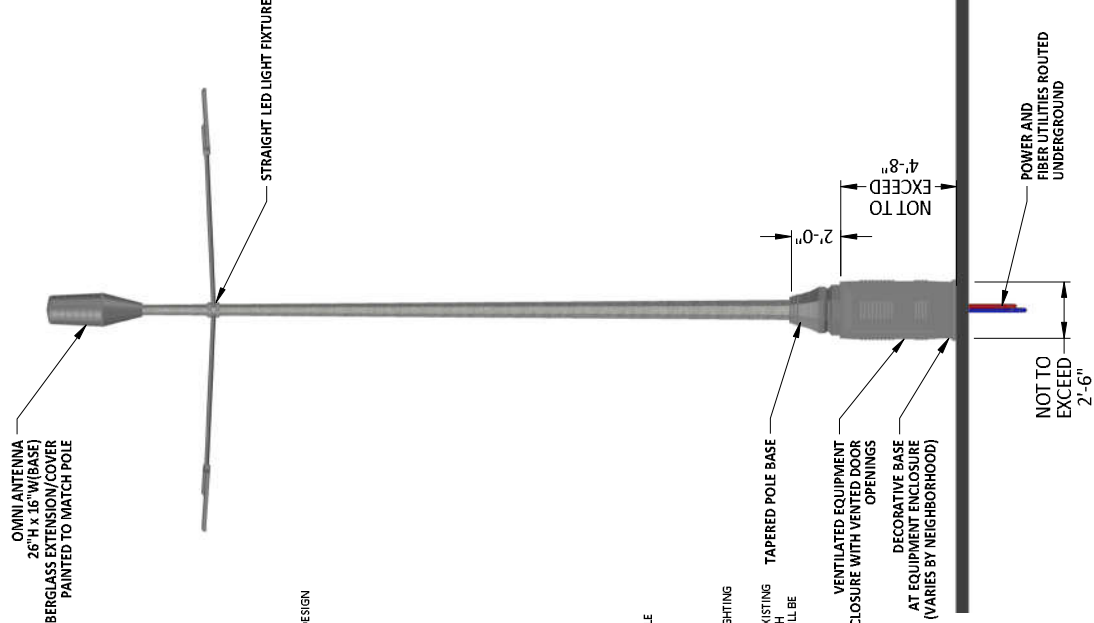
Facility Number	X-11 Double Straight Light Pole RRH Concealment
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> 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"> • 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> <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	<input checked="" type="checkbox"/> Facility conforms to information already on file <ul style="list-style-type: none"> • Information attached

Comments	
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PROPOSED DOUBLE STRAIGHT LED STREETLIGHT SOLUTION



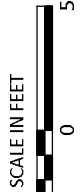
① PROPOSED PROFILE - REAR VIEW
FROM FIELD LOOKING TOWARDS ROAD



② PROPOSED PROFILE - SIDE VIEW
FROM ROADSIDE LOOKING UP ROAD

NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY R/F 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 ANTENNA OR LUMINAIRE DESIGN. THE DESIGN OF THE ANTENNA CONCEPTUAL DESIGN, SHOWING HEREIN, IS THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A 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 LIGHTOWER FIBER NETWORKS.
6. RRH TO BE NO LARGER THAN 1.6" W x 12.7" D x 40" H.
7. ANTENNA TO BE NO LARGER THAN 1.6" W 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 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. 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"=5'
NOTES:
CABLES & EXISTING EQUIPMENT NOT SHOWN FOR CLARITY

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:

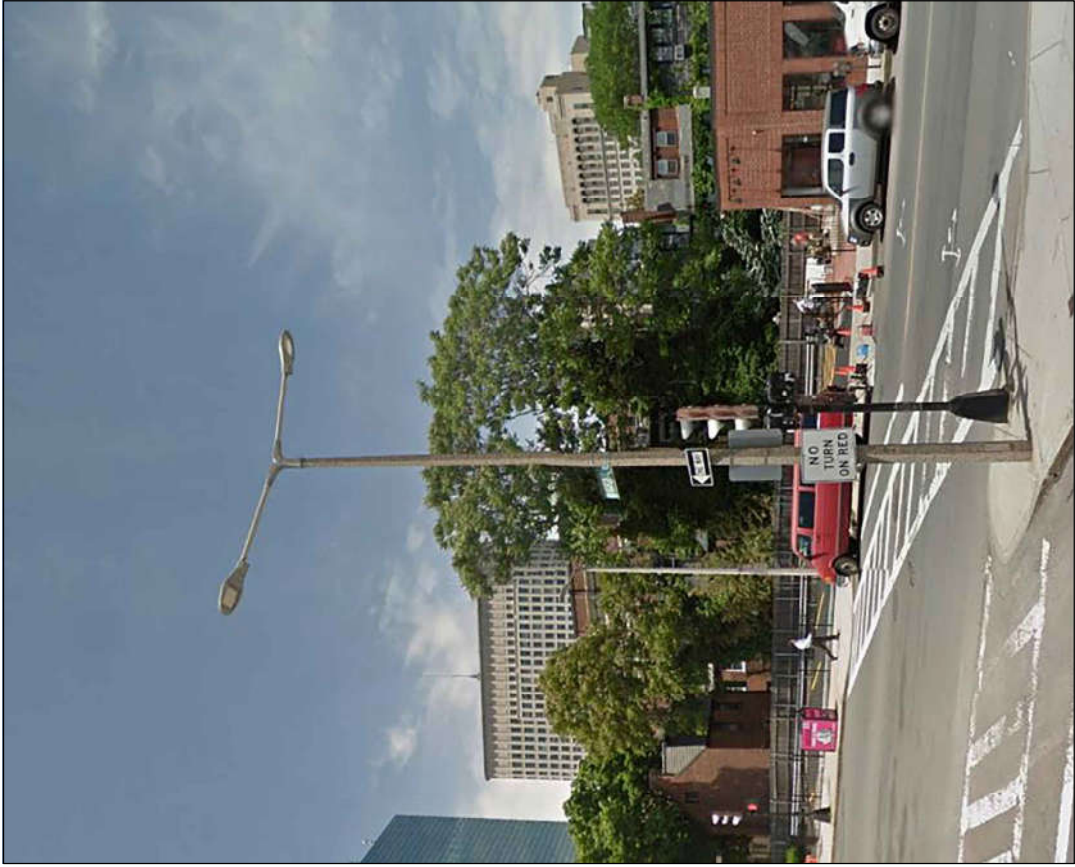


PREPARED BY:
UC SYNERGETIC
Providing Proven, Integrated Solutions
1000 WASHINGTON STREET
MANCHESTER, NH 03104
WWW.UCSYNERGETIC.COM
1-908-337-7600

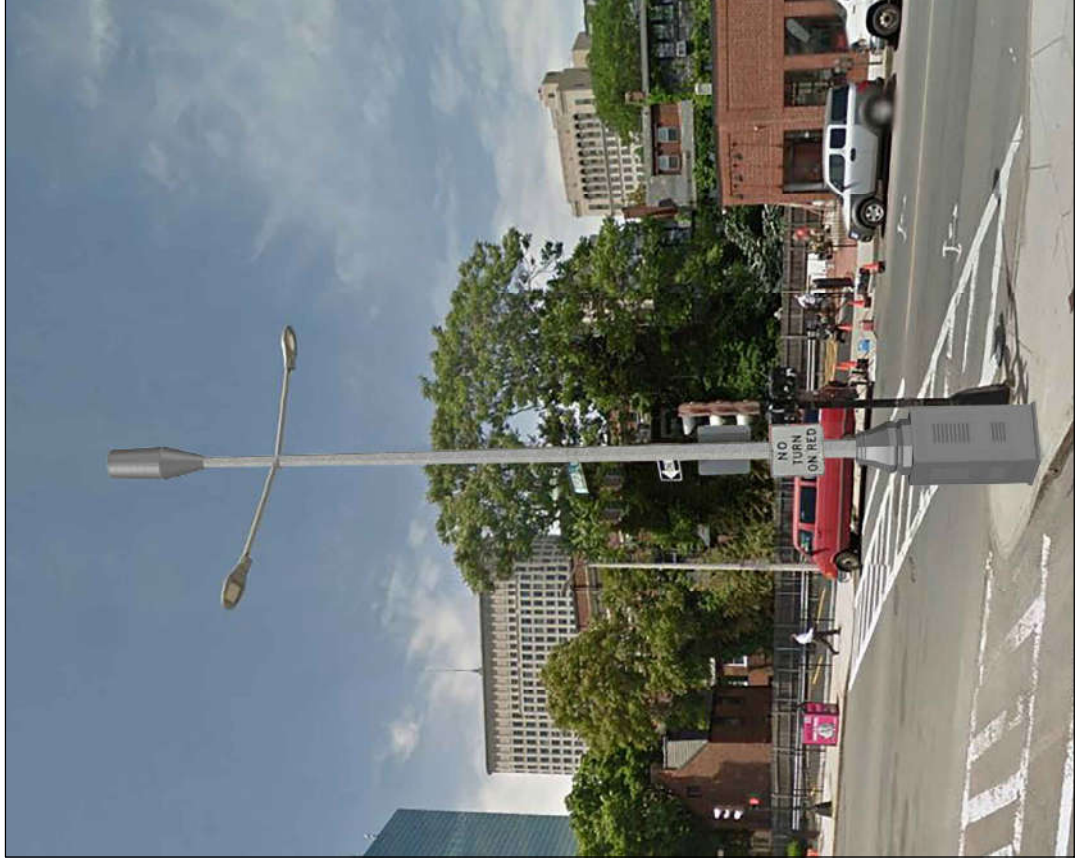
FIBERTECH SMALL CELL
PROPOSED

REV	REVISIONS	DATE

DRAWER: DTB
SCALE: 1"=5'
ISSUE DATE: 12/21/16
USER NAME: SCMA/000
SHEET # 1 OF 2



EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:



PREPARED BY:
UC SYNERGETIC
 Innovative Thinking. Proven Solutions.
 1000 WASHINGTON ST., 10TH FLOOR
 MANCHESTER, MA 02108
 WWW.UC-NE.COM 1-908-337-7600

FIBERTECH SMALL CELL
 PHOTO SIM

REVISIONS	
REV	DESCRIPTION

DRAWN: DTB
SCALE: NTS
ISSUE DATE: 12/21/16
USER NAME: SCMA.0001
SHEET: 2 OF 2

EXHIBIT X-12

SCHEDULE OF APPROVED WIRELESS FACILITIES

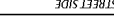
Facility Number	X-12 Double Cobra Light Pole RRH Concealment
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> 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> <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	<input checked="" type="checkbox"/> Facility conforms to information already on file <ul style="list-style-type: none"> • Information attached

Comments	
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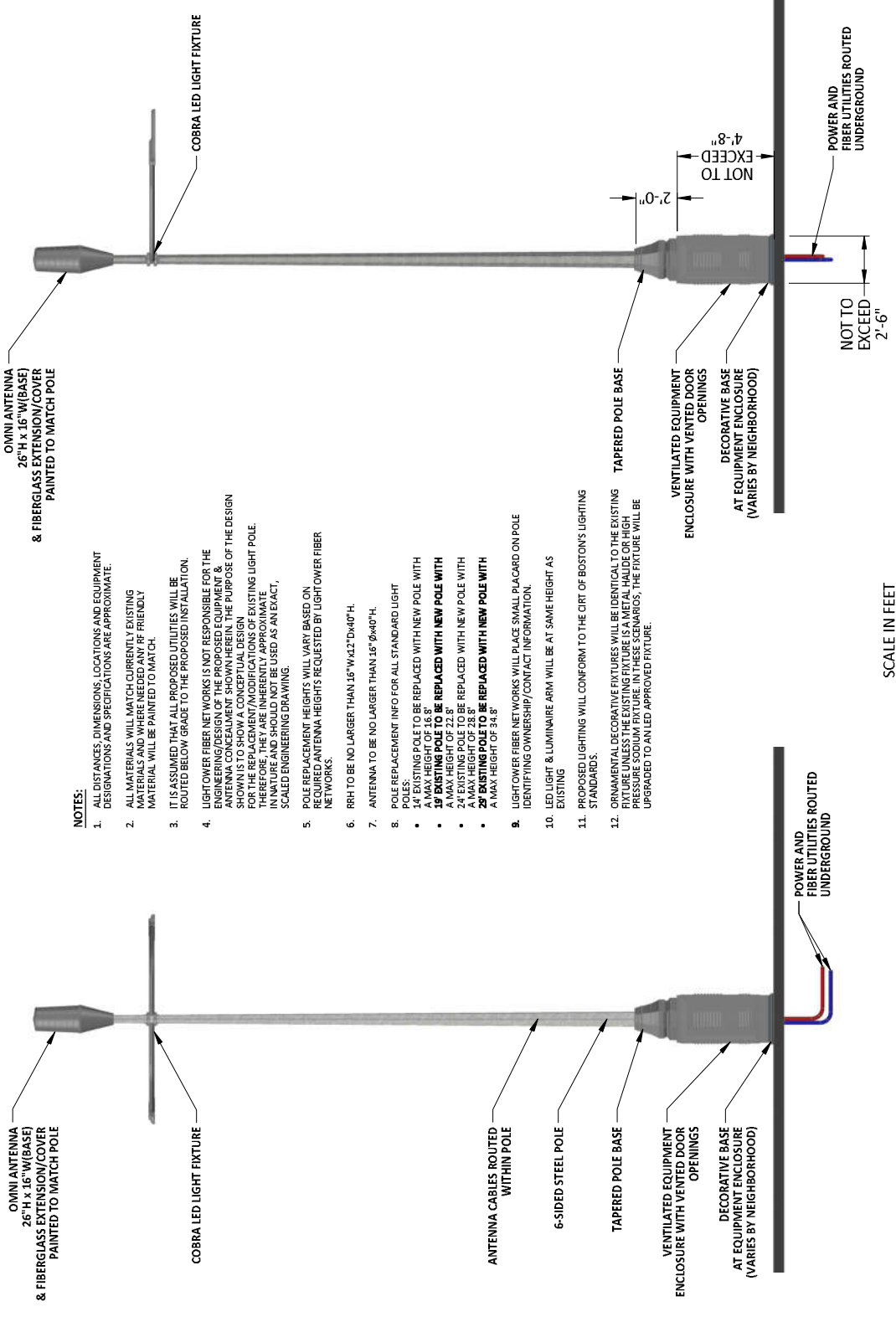
PROPOSED DOUBLE COBRA LED STREETLIGHT SOLUTION

STREET SIDE

FIELD SIDE



ANTENNA



NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS AND EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY R.F. 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 ANTENNA OR LIGHTOWER EQUIPMENT. THE LOCATION OF ANTENNA CONCEPTUAL DESIGN IS FOR INFORMATION ONLY. SHOWN IS TO SHOW A 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 LIGHTOWER FIBER NETWORKS.
6. RRH TO BE NO LARGER THAN 1.6\"/>

PROPOSED PROFILE - SIDE VIEW



PROPOSED PROFILE - REAR VIEW



PROPOSED TOP VIEW

SCALE 1\"/>

NOTES: ALL UTILITIES EQUIPMENT NOT SHOWN FOR CLARITY

LOCATION: BOSTON, MA

NOTE: ALL UTILITIES EQUIPMENT NOT SHOWN FOR CLARITY

PREPARED FOR:



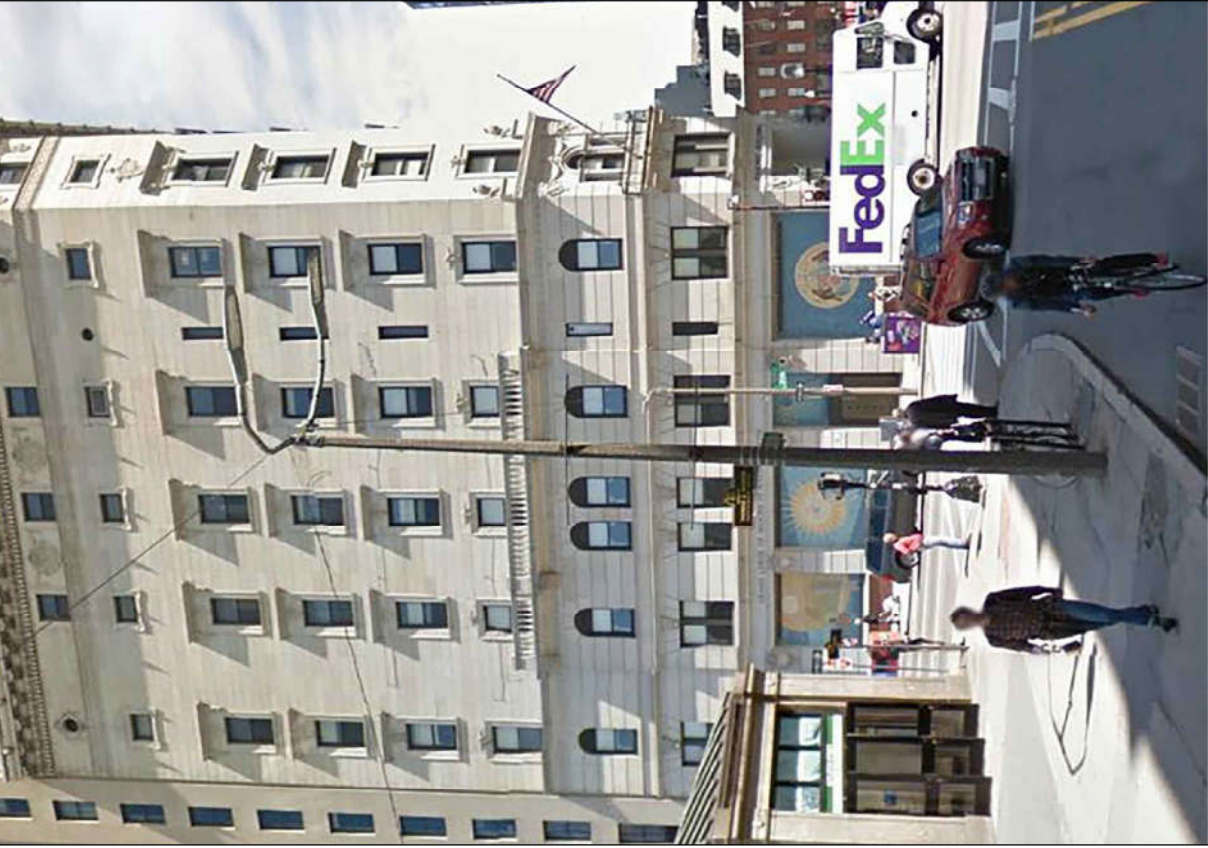
PREPARED BY:
UC SYNERGETIC
 Project by: Fiber Optic Engineering Solutions
 1000 W. 10th Street
 Mansfield, MA 01948
 www.ucsynergetic.com
 1-908-337-7600

FIBERTECH SMALL CELL
 PROPOSED

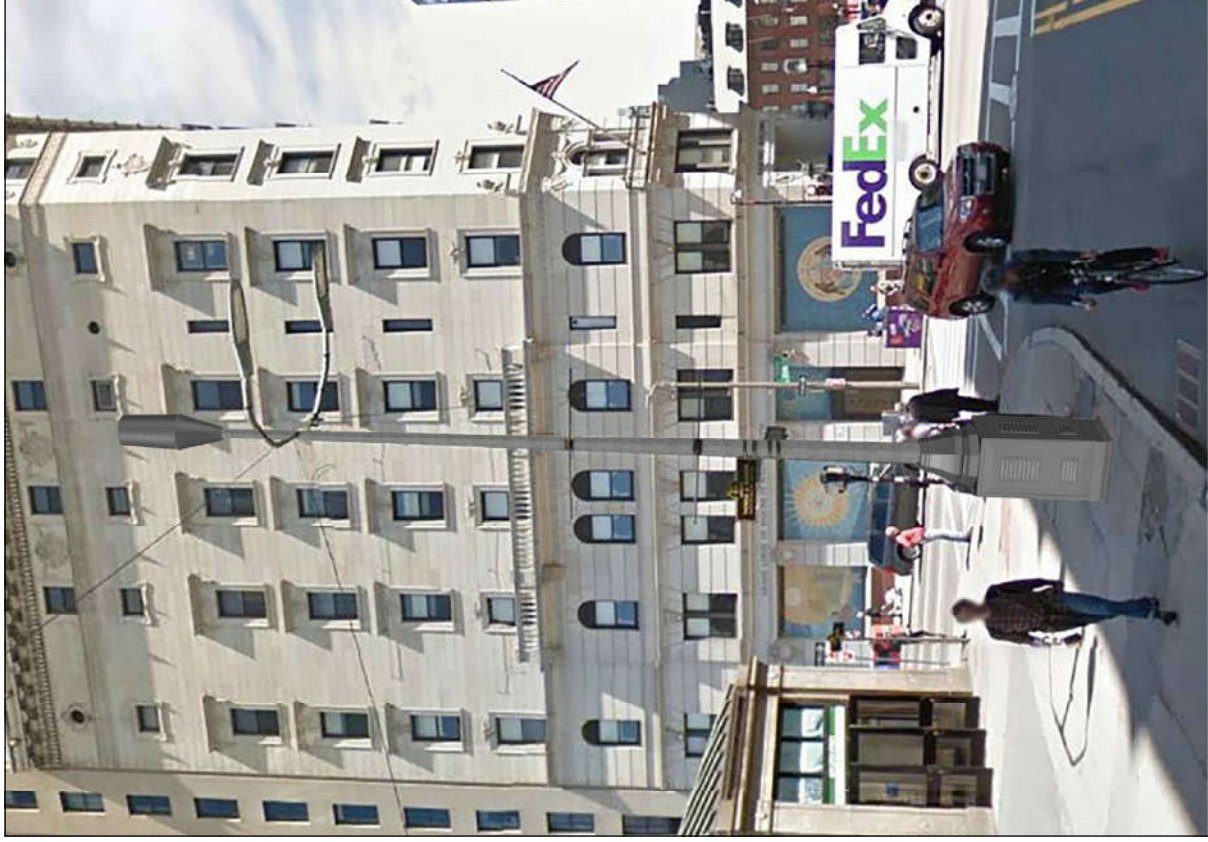
REV	REVISIONS	DATE
	DESCRIPTION	

DATE:	07/15/2015
SCALE:	1\"/>
ISSUE DATE:	12/15/15
USER NAME:	SCAMA,0000
SHEET #:	1 OF 2

1



EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

LOCATION: BOSTON, MA

NOTES:

PREPARED FOR:



PREPARED BY:
UC SYNERGETIC
Providing Fiber-optic, Integrated Solutions
 1000 WASHINGTON STREET
 MANCHESTER, MA 02108
 WWW.UCSYNERGETIC.COM 1-908-337-7600

FIBERTECH SMALL CELL
 PHOTO SIM

REVISIONS		DATE
KEY	DESCRIPTION	

DRAWN BY:	DTB
SCALE:	1:1
ISSUE DATE:	12/19/16
USER NAME:	SCMA.0001
SHEET #:	2 OF 2

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> <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	<input checked="" type="checkbox"/> Facility conforms to information already on file <ul style="list-style-type: none"> • Information attached
Comments	

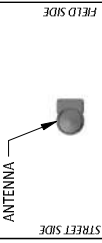
PROPOSED POLE MOUNTED EQUIPMENT STREETLIGHT SOLUTION

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 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 NETWORKS IS NOT RESPONSIBLE FOR THE DESIGN OF THE LIGHTOWER FIBER NETWORKS & ANTENNA CONCEALMENT. SHOW HEREIN THE PURPOSE OF THE DESIGN SHOWN IS TO SHOW A 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 LIGHTOWER FIBER NETWORKS.
6. RRH TO BE NO LARGER THAN 1.6" W x 12.2" D x 40" H.
7. ANTENNA TO BE NO LARGER THAN 1.6" W 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 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. 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"=5'
 CABLES & EXISTING UTILITY EQUIPMENT NOT SHOWN FOR CLARITY

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:



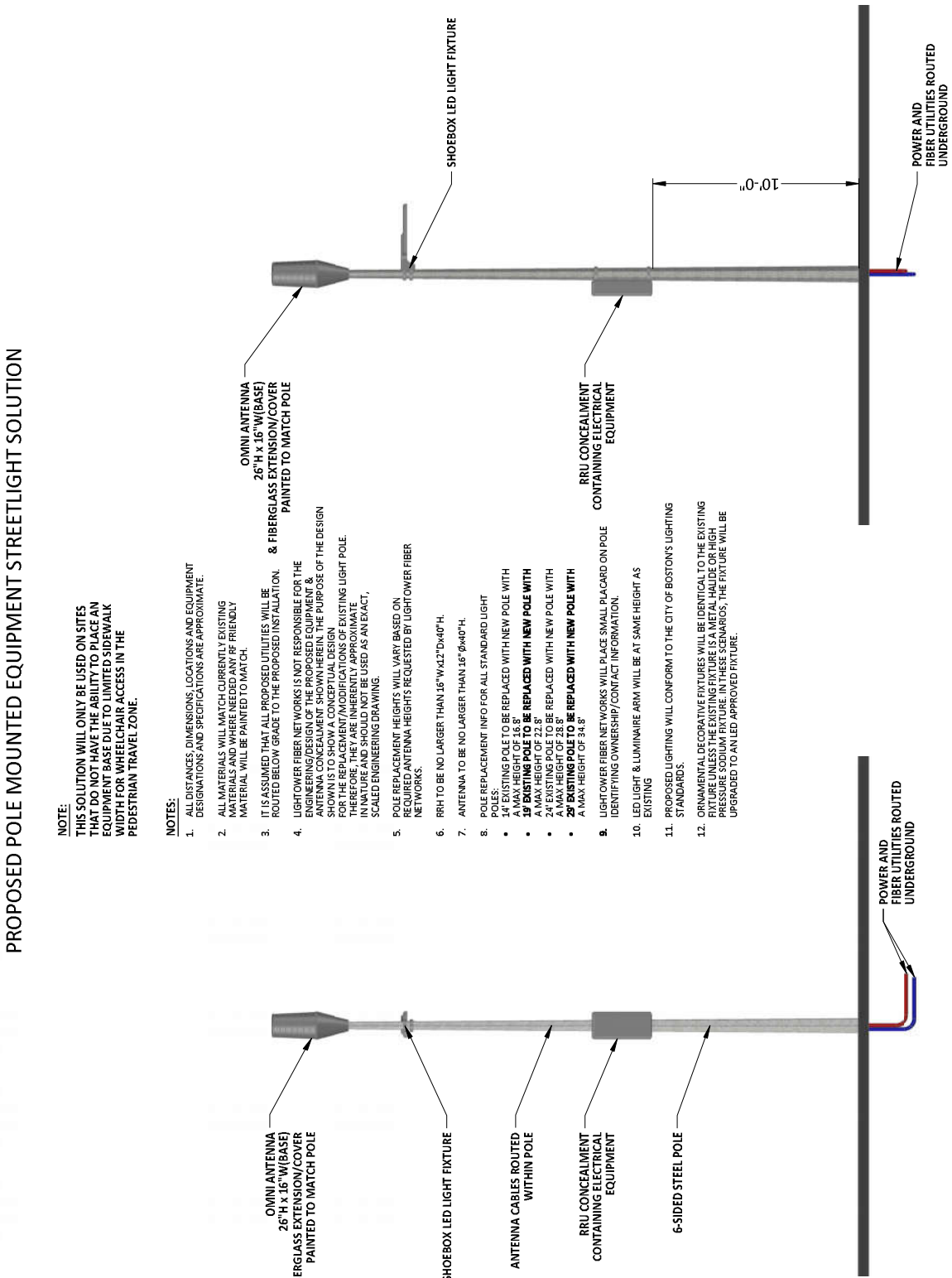
PREPARED BY:
UC SYNERGETIC
 Innovative Thinking. Proven Solutions.
 1000 State Street
 MANCHESTER, NH 03104
 WWW.UCSYNERGETIC.COM
 1-508-337-7600

FIBERTECH SMALL CELL
 PROPOSED

REV	REVISIONS	DATE

DATE:	
SCALE:	1"=5'
ISSUE DATE:	12/21/16
USER NAME:	SC/MMA/0001
SHEET #:	1 OF 2

1

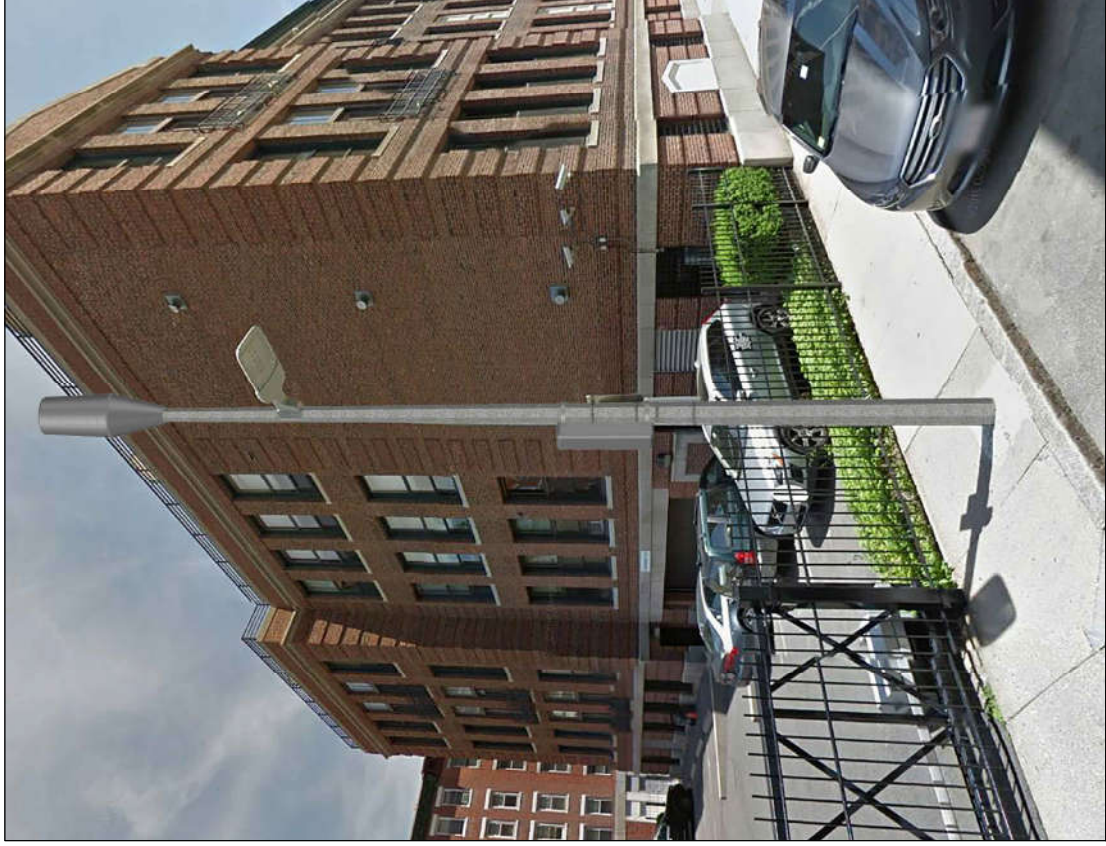


① PROPOSED PROFILE - REAR VIEW
 FROM FIELD LOOKING TOWARDS ROAD

② PROPOSED PROFILE - SIDE VIEW
 FROM ROADSIDE LOOKING UP ROAD



EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

LOCATION: BOSTON, MA

NOTE:

PREPARED FOR:



PREPARED BY:
UC SYNERGETIC
 Innovative Thinking. Proven Solutions.
 1000 STATE ST
 MANCHESTER, MA 02108
 WWW.UCSYNERGETIC.COM 1-800-337-7600

FIBERTECH SMALL CELL
 PHOTO SIM

REVISIONS		DATE
REV	DESCRIPTION	

DRAWN: DTB
SCALE: 1/8" = 1'-0"
ISSUE DATE: 12/22/16
USER NAME: SCAMAC001
SHEET: 2 OF 2