

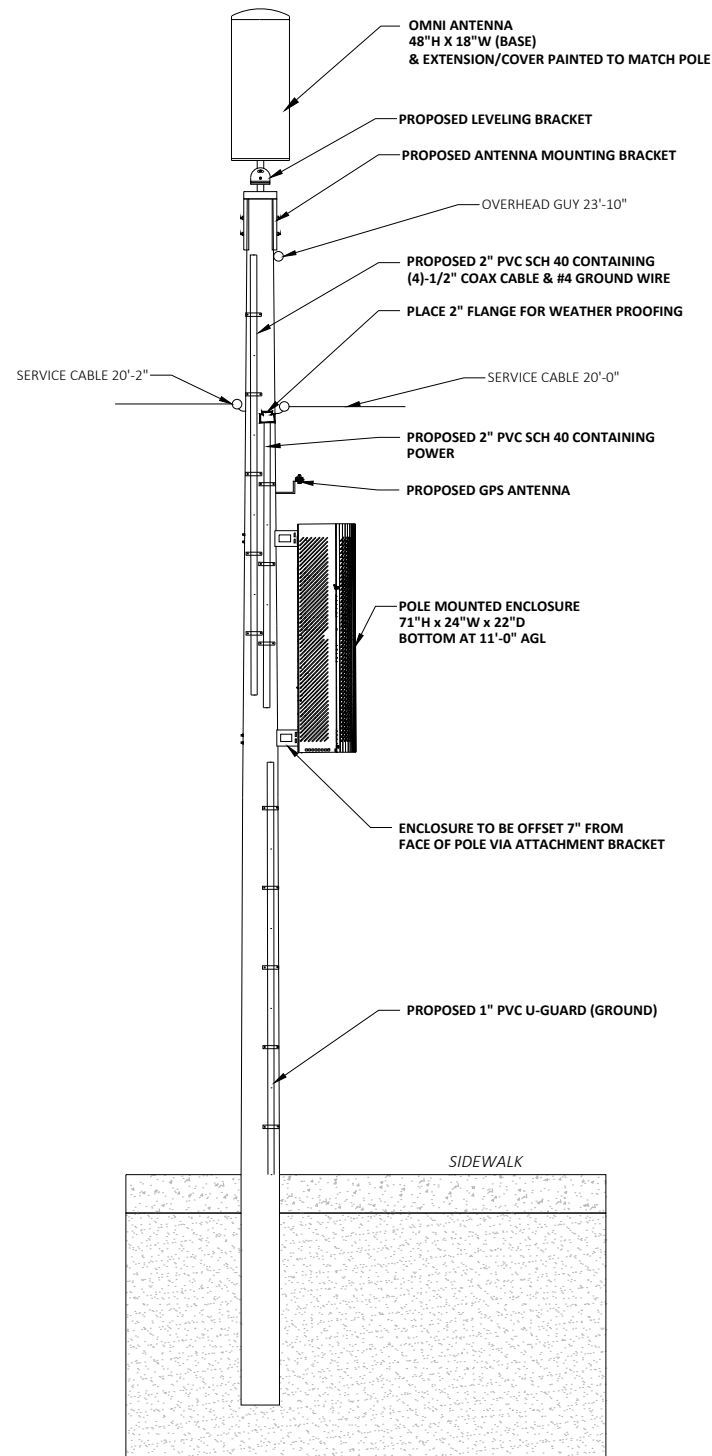
**EXHIBIT X-4A**

**SCHEDULE OF APPROVED WIRELESS FACILITIES**

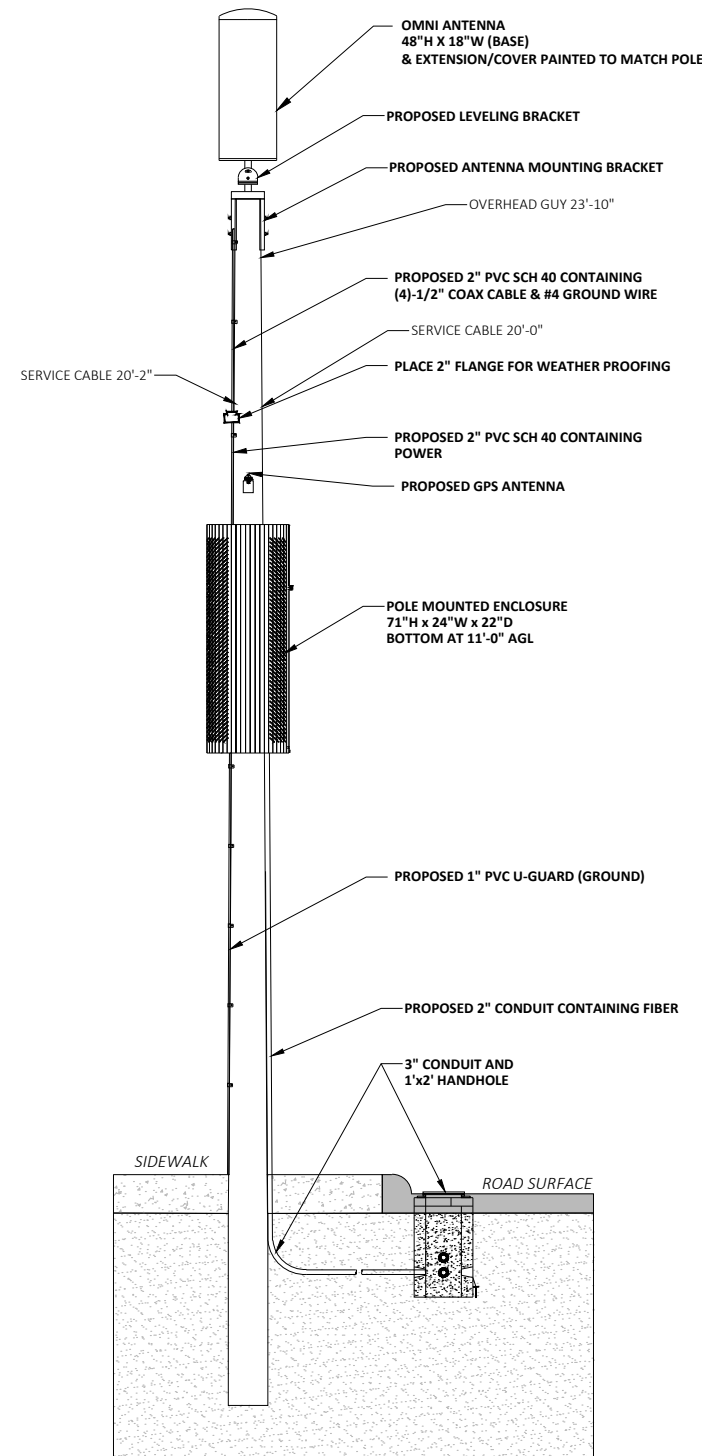
<b>Facility Number</b>	X-4A Wooden Utility Pole, Antenna Top Mounted
<b>Attachment Types</b>  <i>(check all that apply and provide detail below)</i>	<input type="checkbox"/> Replacement City Pole (streetlight) <input type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> 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
<b>Attachment Type Detail</b>	Wooden Utility Pole, Antenna Top Mounted
<b>Physical Description</b>	Omni antenna (not to exceed 48”H x 18”W) will be installed pole top with mounting and leveling brackets. Remote radio head(s), power, and fiber equipment will be concealed and ventilated within a pole mounted enclosure (not to exceed 71”H x 24”W x 22”D) with the bottom of the enclosure installed at a minimum of 11’ above ground level. The enclosure will be offset 7” from face of the pole via attachment bracket. GPS Antenna to be installed on the pole (not to exceed 4”H x 3”W). Cabling will run from the pole base up to the antenna in conduit. Antenna and pole mounted enclosure will be painted to complement the pole. Replacement poles will be installed based on the existing pole’s condition.
<b>Concealment</b>	The antenna and related telecommunication equipment will be concealed as detailed above.
<b>Included Documents</b>	The following documents: A. Pole Profile including equipment specifications and ground connection details. B. Photo mock-up showing existing and proposed pole views.
<b>RF</b>	<input checked="" type="checkbox"/> Facility conforms to information already on file <input checked="" type="checkbox"/> RF information attached

<b>Compliance Information</b>	Crown Castle will attach FCC signage appropriate to the installed equipment.
<b>Comments</b>	

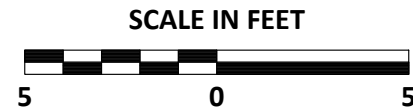
# WOODEN UTILITY POLE ANTENNA TOP MOUNTED



**PROPOSED PROFILE - REAR VIEW  
FROM FIELD/SIDEWALK LOOKING TOWARDS ROAD**



**PROPOSED PROFILE - SIDE VIEW  
FROM ROADSIDE LOOKING UP ROAD**



**NOTES:**

1. ALL DISTANCES, DIMENSIONS, LOCATIONS, EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIAL, COLOR & STYLE 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. THE PURPOSE OF THE DESIGN IS TO SHOW A CONCEPTUAL DESIGN FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING POLE. THEREFORE, THESE DESIGNS ARE INHERENTLY APPROXIMATE IN NATURE AND SHOULD NOT BE USED AS AN EXACT, SCALED ENGINEERING DRAWING.
5. POLE REPLACEMENT SPECIFICATIONS AND DIMENSIONS, INCLUDING STRUCTURAL FOUNDATIONS, WILL VARY BASED ON REQUIRED ANTENNA HEIGHTS REQUESTED BY CROWN CASTLE.
6. EQUIPMENT ENCLOSURE TO BE NO LARGER THAN (5'-11"Hx2'-0"Wx1'-10"D).
7. GPS ANTENNA TO BE NO LARGER THAN 4"Hx3"W.
8. ANTENNA TO BE NO LARGER THAN 18"Øx48"H.
9. CROWN CASTLE WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.

**REVISIONS**

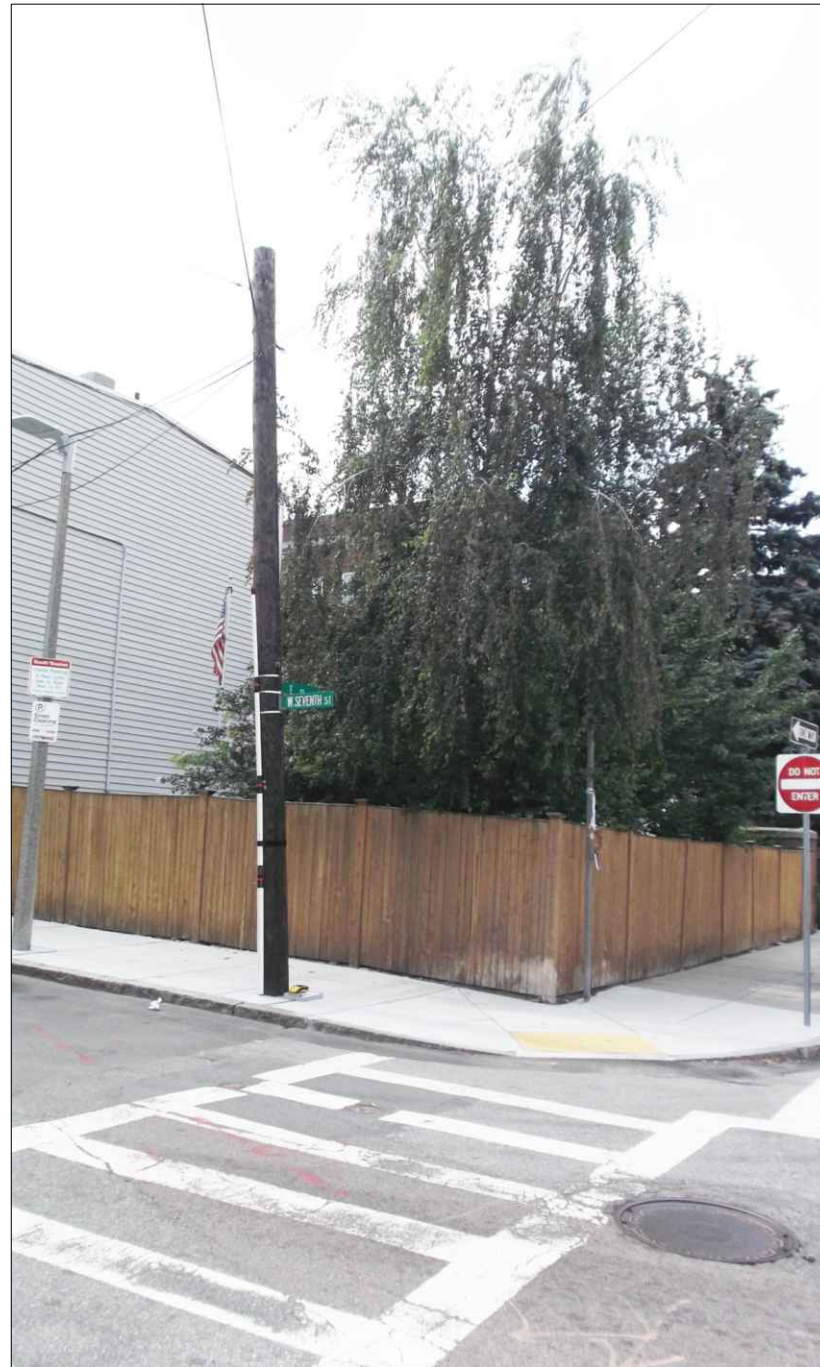
REV	DESCRIPTION	DATE

PREPARED BY:  
**UC SYNERGETIC**  
*Innovative Thinking. Engineered Solutions.*  
 21 OXFORD RD  
 MANSFIELD, MA 02048  
 www.ucseeng.com 1-508-337-7600

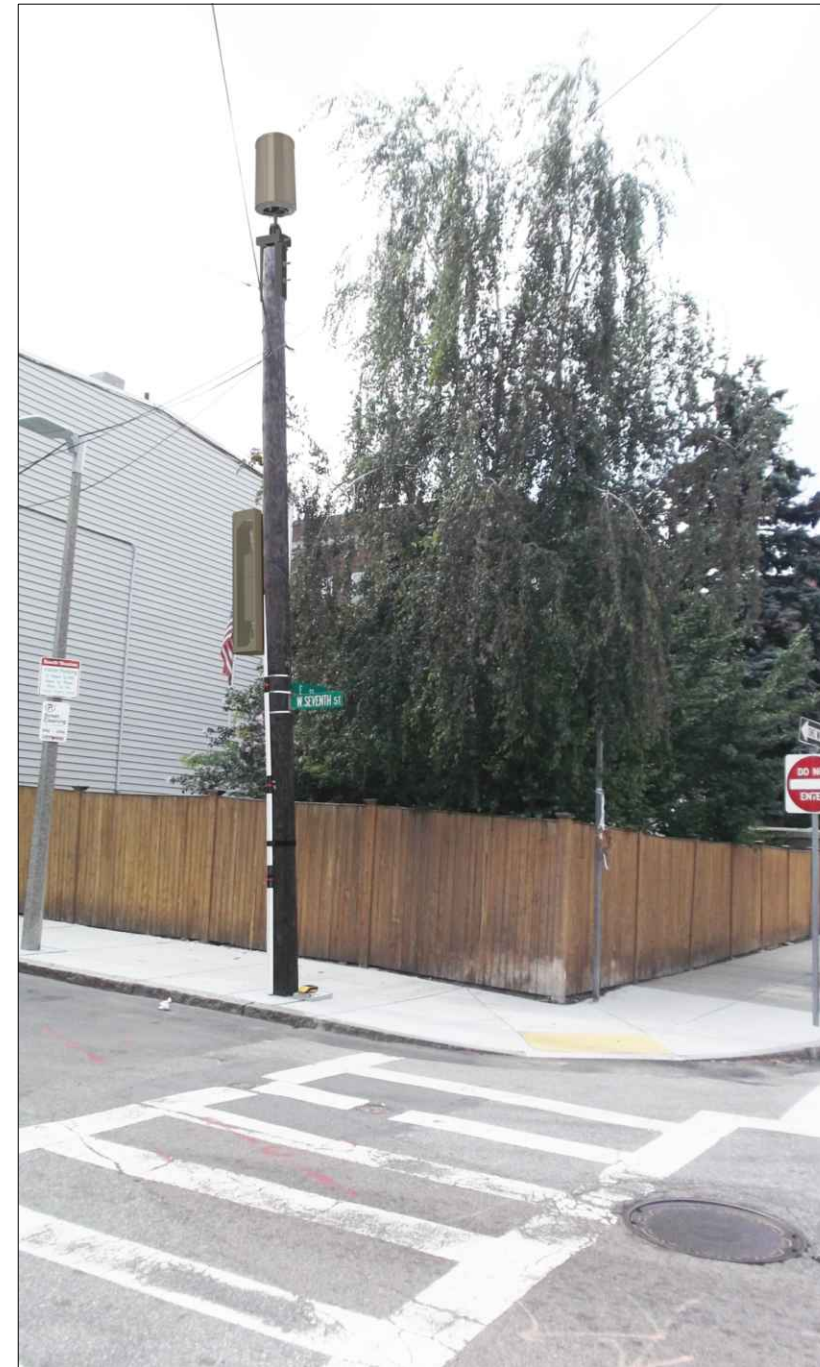
PREPARED FOR:  
**CROWN CASTLE**

TITLE: <b>EXHIBIT X-4A</b> PROPOSED BOSTON, MA	
POLE INFO: WOOD POLE	
SURVEYED BY: UCS	PRINT NO: 1 OF 2
DRAWN BY: AW	SCALE: AS SHOWN
ISSUE DATE: 01/26/18	AS BUILT:

# WOODEN UTILITY POLE ANTENNA TOP MOUNTED





EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

02/14/2018 N:\Engineering\Crown Castle\EXHIBIT EXAMPLES FOR CITY OF BOSTON\AA - AUTOCAD\GPS EXHIBITS\EXHIBIT X-4A.dwg

REVISIONS		
REV	DESCRIPTION	DATE

PREPARED BY:  <small>Innovative Thinking. Engineered Solutions.</small> 21 OXFORD RD MANSFIELD, MA 02048 www.ucseng.com 1-508-337-7600		TITLE: <b>EXHIBIT X-4A</b> PROPOSED BOSTON, MA	
PREPARED FOR: 		POLE INFO: WOOD POLE	
SURVEYED BY: UCS		PRINT NO: 2 OF 2	
DRAWN BY: AW		SCALE:	
ISSUE DATE: 01/26/18		AS BUILT: AS SHOWN	