PROJECT INFORMATION

1. THIS IS AN UNMANNED FACILITY AND RESTRICTED ACCESS EQUIPMENT AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.

2. VERIZON WIRELESS CERTIFIES THAT THIS TELEPHONE EQUIPMENT FACILITY WILL BE SERVICED ONLY BY VERIZON WIRELESS EMPLOYEES, SERVICE PERSONNEL FOR REPAIR PURPOSES ONLY. THIS FACILITY IS AN UNMANNED FACILITY AND RESTRICTED ACCESS EQUIPMENT AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.

3. THIS FACILITY WILL CONSUME NO UNRECOVERABLE ENERGY.

4. NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.

5. NO ELECTRICAL POWER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.

6. NO SOLID WASTE OR BACKWASH WASTE IS TO BE GENERATED AT THIS LOCATION.

7. VERIZON WIRELESS MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.

IMPORTANCE OF NOTE

THE FOLLOWING CONDITIONS ARE A SPECIFIC GUIDE FOR THE INSTALLATION AND CONSTRUCTION OF THE INCLUDED VENDOR SPECIFICATIONS.

1. ALL ITEMS OF EQUIPMENT INSTALLATION AND GROUND WIRING SPECIFICATIONS SHALL MEET THE MINIMUM SPECIFICATIONS WHERE EXCEEDED OR AS STATED IN THIS VENDOR SPECIFICATION.

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LEGEND

- Material Change
- Additional Information
- Reference to other document
- Note
- Construction Note
- Contractor Note
- Owner Note
- City Note
- Client Comments
- PM Note
- VEC Note
- VEC/PM Note
- EA Note
- CSM Note
- DA Note
- DG Note
- SW Note
- A Note
- CO Note
- PR Note
- NA Note
- N/A Note

ABBREVIATIONS

B/S = Building/Structure
C = Column
D = Door
E = Entrance
F = Floor
G = Grade
H = House
L = Line
M = Member
P = Pole
R = Roof
S = Wall
T = Tower
U = Utility
W = Window
X = Exposed
Y = Yard
Currently there is no light pole at this location. A new 27'-6" fluted metal pole w/ top-mount antenna shroud to be installed.
NOTE:
INSTALL PER MANUFACTURER SPECIFICATIONS AND FCC AND VERIZON WIRELESS GUIDELINES

THE CONTRACTOR WILL ENSURE ALL SIGNAGE AT SITE LOCATION TO MEET WITH FCC STANDARDS AND REQUIREMENTS.

MANUFACTURER: INTERSECT
MODEL: J1210 HPL DISCONNECT BOX
HEIGHT: 13.56"
WIDTH: 11.43"
DEPTH: 5.22"
WEIGHT: 6.6LBS
COLOR: BROWN

APPROPRIATE SITE I.D. SHALL BE INDICATED AT EACH NODE
APPROPRIATE RENTER I.D. SHALL BE INDICATED AT EACH NODE
APPROPRIATE NODE I.D. SHALL BE INDICATED AT EACH NODE

RF SIGNAGE REQUIREMENTS
SIZE: 7" X 10" X 3.5 MIL
TEXT HEIGHT: 7/32"
MATERIAL: ADHESIVE BACKED VINYL
COMPLIANCE: ANSI Z535 / OSHA
IEEE C95.2-1999
LOCATION: EQUIPMENT SHROUD OR RADIO IF NO SHROUD

RF CAUTION TAG
NOTICE:
RADAR FREQUENCY FIELD BEYOND THE POINT SHOWN MAY EXCEED THE FCC GENERAL PUBLIC EXPOSURE LIMIT
OBEY ALL POSTED SIGNS AND SITE GUIDELINES FOR WORKING IN RADIO FREQUENCY ENVIRONMENTS
REF: FCC 47CFR 1.1307(b)

NOTE:
1. ALL EXTERIOR EQUIPMENT OUTSIDE THE SHROUD ASSEMBLY SHALL BE BROWN COLOR

PROPOSED STANDOFF BRACKET AND STRUT SPACED AS REQ'D

PROPOSED DISCONNECT BOX
1. Galvanized steel ground busbar, 1/4" x 4" x 6".
2. Insulators, meet requirements of UL 94 VO for self-extinguishing materials.
3. 3/8" lockwashers.
5. 3/8-11 x 1" hex bolts.

1. Grounding shall comply with the applicable edition of the National Electrical Code as recognized by the jurisdiction.
2. All grounding methods shall conform to the current Verizon standards.
3. Master grounding bars (MGB) shall be galvanized steel, 4" x 6" max.
4. Minimum bending radius for ground conductor is 8", when bending is necessary. Ground conductors are to be as straight as possible.
5. No splices permitted in ground conductors.
6. All grounding connectors to be clean and free of paint at their mating surfaces and installed per manufacturer’s recommendations. Use Penetrox or equivalent antioxidant grease.
7. All ground bar connections are to be 2-hole lug compression type. Stacked connections are not acceptable. Back to back connections on opposite sides of the ground bar will be permitted.
8. Ensure all mechanical connectors are torqued to the manufacturer’s specified values.
9. If existing ground rod is not present, new ground rod shall meet Avista standards.
10. Multiple bonds on ground rods to be separated by at least 6".
11. Maximum resistance of the completed ground system shall not exceed 5 ohms to earth.
12. Ground wires shall not be installed through holes in any metal objects or supports to preclude establishing a "choke" point.
13. Ferrous metal clips which completely surround the ground wire shall not be used. Metal clips that do not completely surround the ground wire or plastic are acceptable.
NOTES:
GENERAL CONTRACTOR TO COORDINATE WITH THE AVISTA TO PROVIDE 120 V POWER. PANEL IS LOCATED INSIDE CONCEALFAB SHROUD.

TYPICAL PANEL SCHEDULE

<table>
<thead>
<tr>
<th>LOAD</th>
<th>POS</th>
<th>MIN</th>
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<tbody>
<tr>
<td>220V RADIO</td>
<td>1</td>
<td>15</td>
<td>120</td>
</tr>
<tr>
<td>220V RADIO</td>
<td>2</td>
<td>15</td>
<td>120</td>
</tr>
<tr>
<td>220V RADIO</td>
<td>3</td>
<td>15</td>
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<td>120</td>
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<td>120</td>
</tr>
<tr>
<td>220V RADIO</td>
<td>6</td>
<td>15</td>
<td>120</td>
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<tr>
<td>5G ANTENNAS</td>
<td>7</td>
<td>15</td>
<td>120</td>
</tr>
<tr>
<td>SPARE</td>
<td>8</td>
<td>15</td>
<td>120</td>
</tr>
</tbody>
</table>

5G ANTENNAS (TYP OF 3)

EXISTING UNDERGROUND POWER. GENERAL CONTRACTOR TO COORDINATE WITH THE AVISTA TO PROVIDE 120 V POWER.

EXISTING GRADE

PROPOSED 5/8" GROUND ROD; CLAMP WITH ACONI CONNECTOR PER AVISTA STANDARDS

INTERSECT BREAKER DISTRIBUTION BOX
PDC 12060-08 (60A, 120V)

#6 THHN GRND. TO CRIMPED #2 SBCW

#2 SBCW GROUND ROUTED DOWN UTILITY POLE TO PROPOSED GROUND ROD PER AVISTA STANDARDS

EXISTING UNDERGROUND LINE TO POLE MOUNTED DISCONNECT

2" DIA. SCH 40 PVC CONDUIT IN SEA FEEDER (3 #6) ROUTES FROM EXISTING UNDERGROUND POWER LINE TO POLE MOUNTED DISCONNECT

CONCEALFAB SHROUD

TYPICAL ONE-LINE DIAGRAM
verizon

STRUCTURAL DETAILS WITH FOUNDATION INSTALLATION

FOR A:
27'-6" FLUTED DECORATIVE ANTENNA / LIGHT POLE

LOCATED AT:
SPOKANE DT
VARIOUS NODE LOCATIONS
SPOKANE, WA
SPOKANE COUNTY