SITE NAME: NEW CANAAN SC47 CT

UTILITY POLE #: 3819S

954 PONUS RIDGE
NEW CANAAN, CT 06840



LOCATION PLAN
SCALE: N.T.S.

1
L-1

SITE CONTROL POINT:
CENTER OF UTILITY POLE #: 3819S
LATITUDE: 41°08'41.3"N (41.144806)
LONGITUDE: 73°31'38.1"W (-73.527250)
APPROX. GROUND ELEV.: ±375' AMSL.

SHEET INDEX

SHEET NUMBER	DESCRIPTION	REV.
L-1	LOCATION PLAN / AERIAL IMAGE	1
L-2	UTILITY POLE PHOTOGRAPH AND ELEVATION	1
L-3	ANTENNA & ANCILLARY EQUIPMENT ORIENTATION PLAN & MOUNTING DETAILS	1
L-4	ANTENNA & ANCILLARY EQUIPMENT SPECIFICATION AND ONE-LINE DIAGRAM	1

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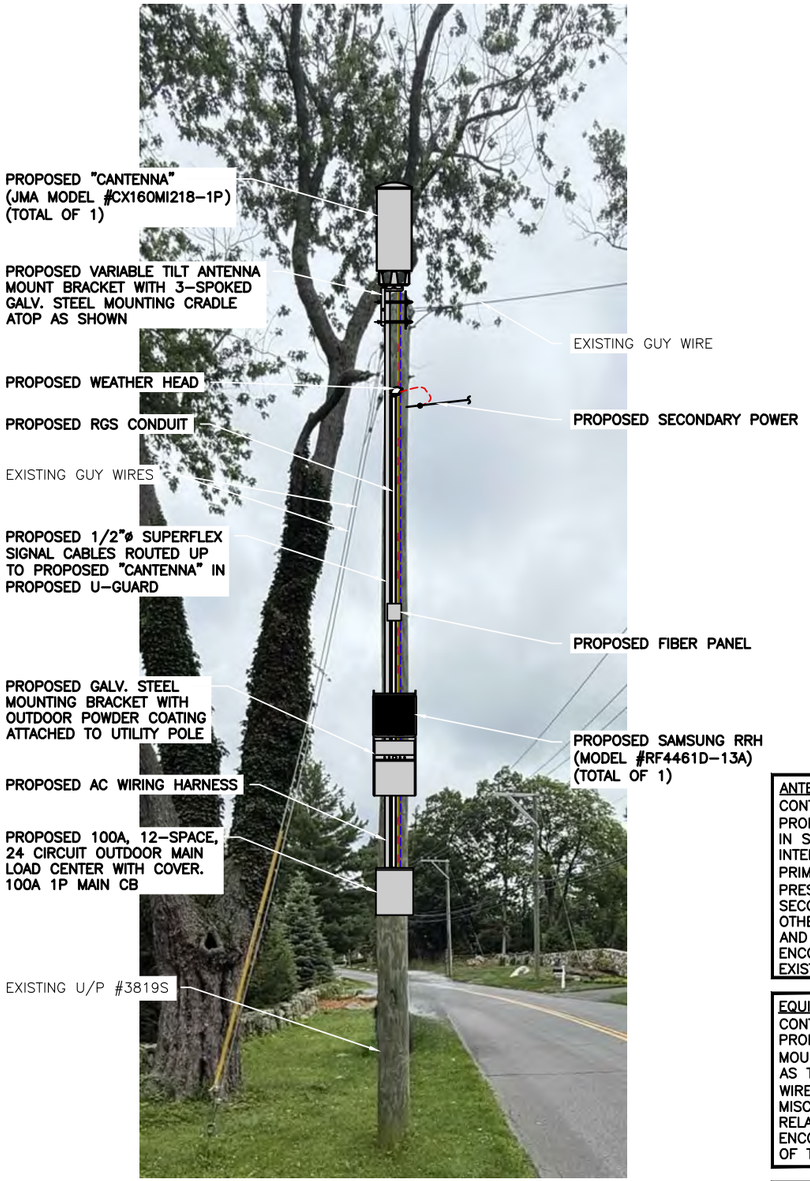
FUZE NUMBER:
17526080
MDG ID:
5000980621

SHEET TITLE:
LOCATION PLAN

SHEET NUMBER:
L-1

GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION, SIZE AND ORIENTATION OF THE PROPOSED WIRELESS TELECOMMUNICATION EQUIPMENTS INSTALLATION ON THE UTILITY POLE AND ARE NOT SPECIFICALLY INTENDED FOR CONSTRUCTION.
2. VERIZON WIRELESS SHALL PLACE WEATHER RESISTANT PHENOLIC PLACARDS ON THE UTILITY POLE AND ANCILLARY EQUIPMENT TO IDENTIFY EQUIPMENT OWNERSHIP & CONTACT INFORMATION TO BE UTILIZED IN THE CASE OF EMERGENCY.
3. AN ANALYSIS OF THE CAPACITY OF THE EXISTING UTILITY POLE TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY THE UTILITY COMPANY AND THUS, THESE DRAWINGS ARE SUBJECT TO CHANGE PENDING THE OUTCOME OF A STRUCTURAL ANALYSIS (TO BE PERFORMED BY OTHERS).
4. VERIZON WIRELESS GENERAL CONTRACTOR SHALL EXTEND EFFORTS TO ENSURE THAT ALL PROPOSED EQUIPMENT MEETS THE REQUIREMENTS OF THE EXISTING UTILITY COMPANY OR COMPANIES CURRENTLY OCCUPYING THE UTILITY POLE AND THE 2017 NATIONAL ELECTRIC SAFETY CODE.
5. THE UTILITY POLE DESIGN INCORPORATING THE PROPOSED EQUIPMENT IS FROM THE OSMOSE O CALC ANALYSIS REPORT AND GUIDANCE FROM THE UTILITY OWNER AND CLIENT'S STANDARDS.



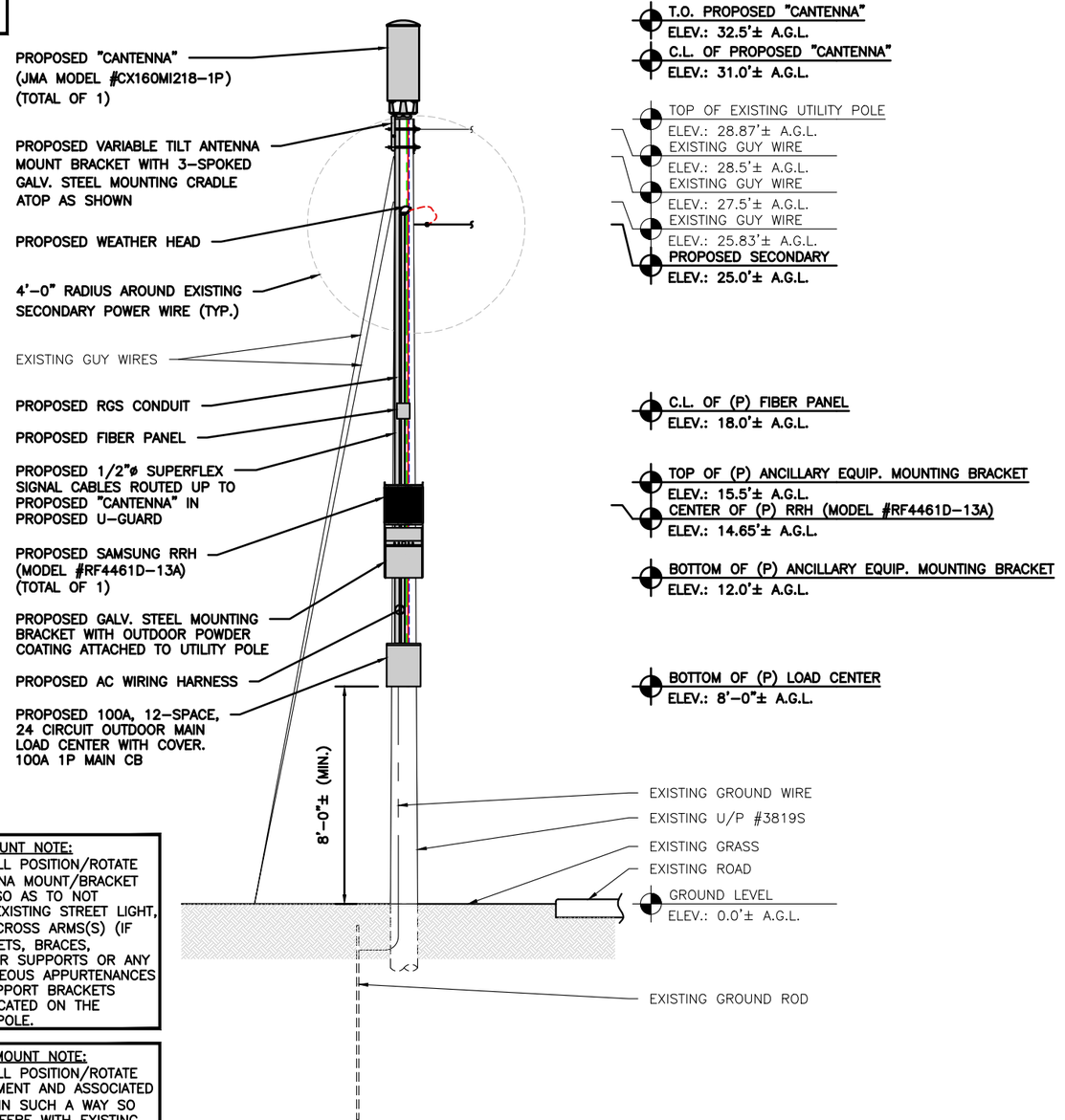
UTILITY POLE #3819S PHOTOGRAPH (EXISTING CONDITION) (1 / L-2)

SCALE: N.T.S.

ANTENNA AND MOUNT NOTE:
CONTRACTOR SHALL POSITION/ROTATE PROPOSED ANTENNA MOUNT/BRACKET IN SUCH A WAY SO AS TO NOT INTERFERE WITH EXISTING STREET LIGHT, PRIMARY POWER CROSS ARMS(S) (IF PRESENT). BRACKETS, BRACES, SECONDARY POWER SUPPORTS OR ANY OTHER MISCELLANEOUS APPURTENANCES AND RELATED SUPPORT BRACKETS ENCOUNTERED LOCATED ON THE EXISTING UTILITY POLE.

EQUIPMENT AND MOUNT NOTE:
CONTRACTOR SHALL POSITION/ROTATE PROPOSED EQUIPMENT AND ASSOCIATED MOUNT/BRACKET IN SUCH A WAY SO AS TO NOT INTERFERE WITH EXISTING WIRES/PANELS ETC. OR ANY OTHER MISCELLANEOUS APPURTENANCES AND RELATED SUPPORT BRACKETS ENCOUNTERED LOCATED ON THE FACE OF THE EXISTING UTILITY POLE.

NOTE:
UTILITY POLE, EXISTING APPURTENANCES AND DETAILS OF THE PROPOSED INSTALLATION SHOWN SCHEMATICALLY.



UTILITY POLE #3819S ELEVATION (PROPOSED CONDITION) (2 / L-2)

22X34 SCALE: 3/8"=1'-0"
11X17 SCALE: 3/16"=1'-0"

0 2'-8" 5'-4" 10'-8" 16'-0"

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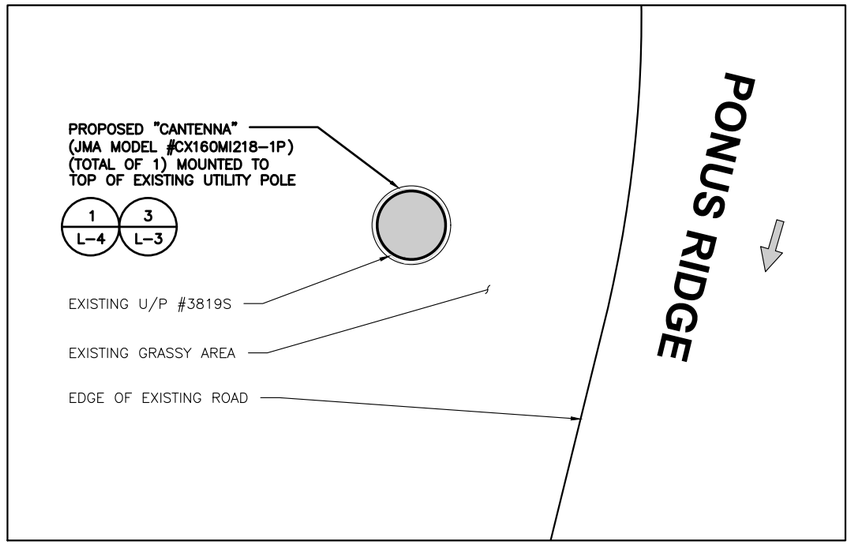
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FAIRFIELD COUNTY

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SHEET TITLE:
UTILITY POLE PHOTOGRAPH & ELEVATION

SHEET NUMBER:
L-2

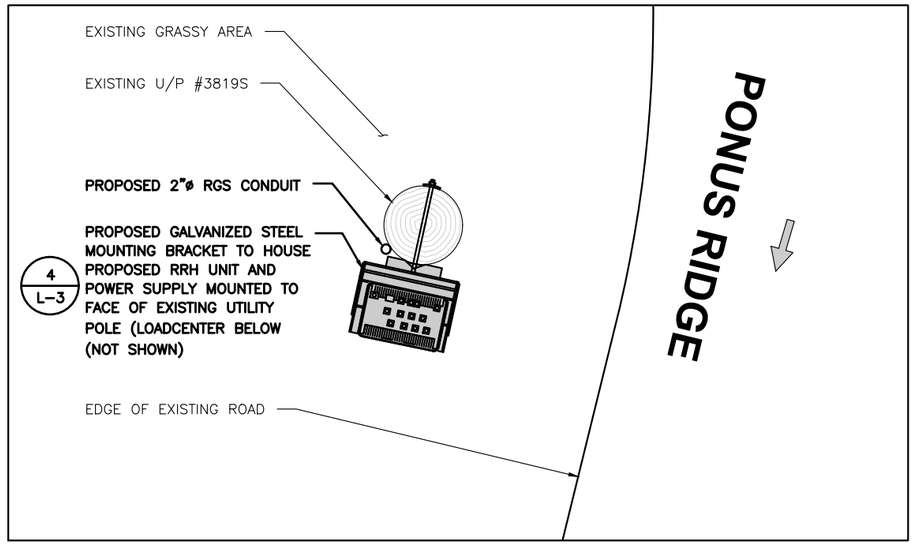


ANTENNA ORIENTATION PLAN

1 / L-3

22X34 SCALE: 3/8"=1'-0"
11X17 SCALE: 3/16"=1'-0"

0 1'-4" 2'-8" 5'-4" 8'-0"



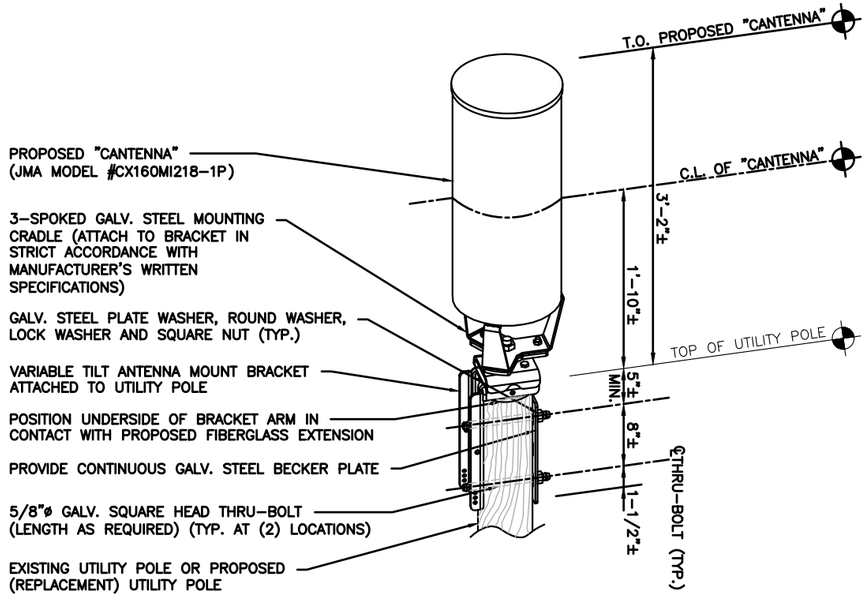
ANCILLARY EQUIPMENT ORIENTATION PLAN

2 / L-3

22X34 SCALE: 3/8"=1'-0"
11X17 SCALE: 3/16"=1'-0"

0 1'-4" 2'-8" 5'-4" 8'-0"

ITEM ID (SEE DETAIL)	DESCRIPTION	WEIGHT (LBS.)
1	MOUNTING BRACKET	32.2±
2	UPPER RRH UNIT	70.33±
3	LOWER RRH UNIT (NOT USED)	0.0±
4	DIPLEXER (NOT USED)	0.0±
5	POWER SUPPLY	25.6±
	TOTAL:	128.13± (=130±)



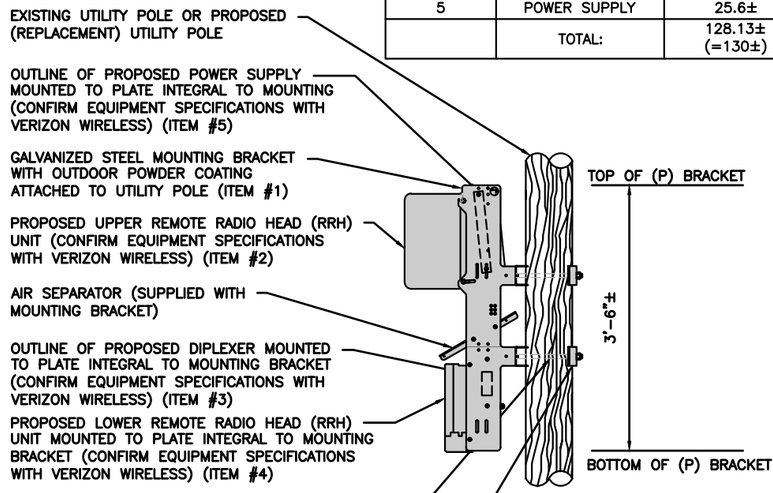
"CANTENNA" MOUNT DETAIL

3 / L-3

22X34 SCALE: 1/2"=1'-0"
11X17 SCALE: 1/4"=1'-0"

0 1'-0" 2'-0" 4'-0" 6'-0"

NOTES:
1. CONFIRM DOWNTILT REQUIREMENTS (IF ANY) AND AZIMUTH SPECIFICATIONS WITH VERIZON WIRELESS RF ENGINEER AT TIME OF CONSTRUCTION.
2. MOUNT SHALL BE INSTALLED IN SUCH A WAY TO ENSURE PLUMB INSTALLATION OF POLE TOP EXTENSION AND ALL ANTENNAS.
3. UTILITY POLE APPURTENANCES NOT SHOWN FOR CLARITY.



ANCILLARY EQUIPMENT MOUNTING BRACKET MOUNT DETAIL

4 / L-3

22X34 SCALE: 1/2"=1'-0"
11X17 SCALE: 1/4"=1'-0"

0 1'-0" 2'-0" 4'-0" 6'-0"

NOTE"
UILITY POLE APPURTENANCES
NOT SHOWN FOR CLARITY.

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SHEET TITLE:
ANTENNA ORIENTATION PLAN & MOUNTING DETAILS

SHEET NUMBER:
L-3



SMALL CELL "CANTENNA"	
MODEL:	JMA MODEL #CX160MI218-1P
DIMENSIONS:	14.0"±ø X 34.4"±H
WEIGHT:	35± LBS
QUANTITY:	TOTAL OF 1

TYPICAL "CANTENNA" SPECIFICATIONS (1 / L-4)

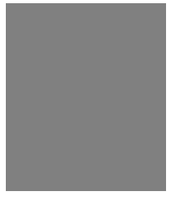
SCALE: N.T.S.



REMOTE RADIO HEAD UNIT	
MODEL:	SAMSUNG RF4461D-13A
DIMENSIONS:	14.96"±H X 14.96"±W X 10.23"±D
WEIGHT:	79.1± LBS
QUANTITY:	TOTAL OF 1

TYPICAL REMOTE RADIO HEAD (RRH) UNIT DIMENSION (2 / L-4)

SCALE: N.T.S.



NID BOX	
DIMENSIONS:	7.7"±H X 7.7"±W X 4.2"±D
WEIGHT:	N/A
QUANTITY:	TOTAL OF 1

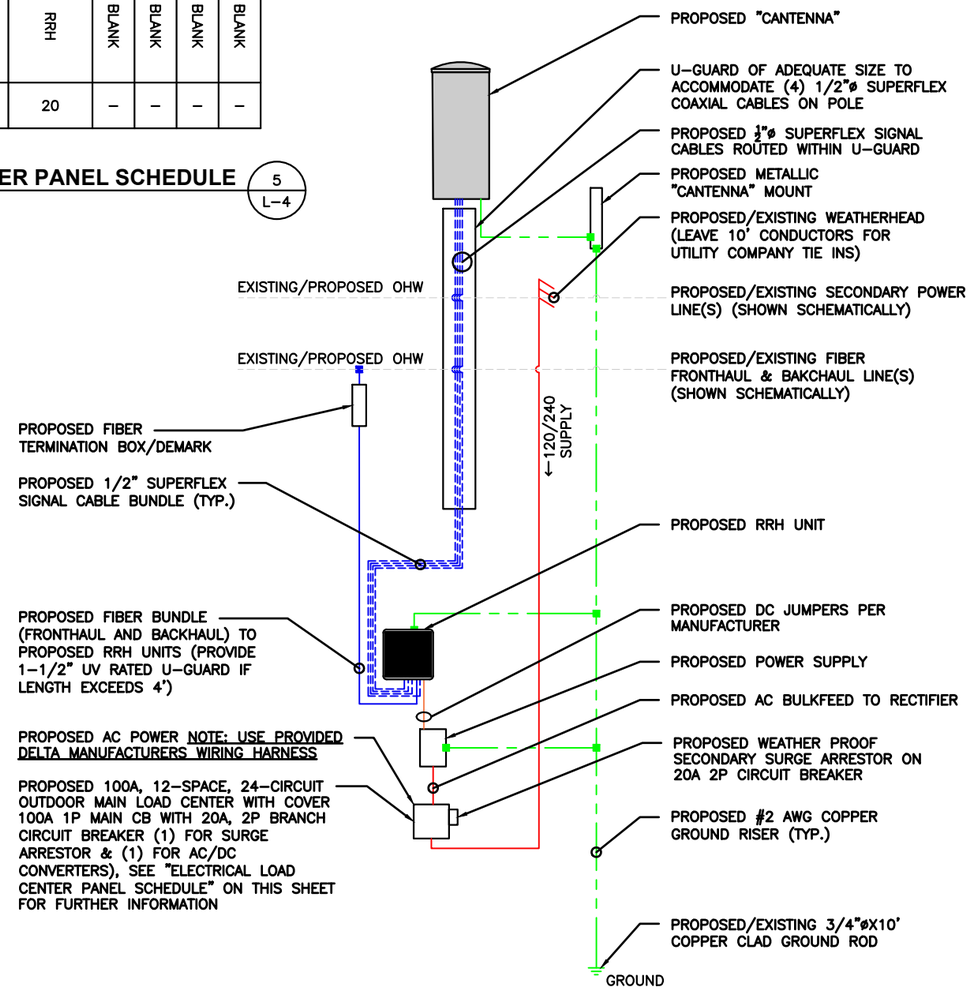
TYPICAL NID BOX DIMENSIONS (3 / L-4)

SCALE: N.T.S.

1ø, 3W, 100A, 120/240 V AC POWER TRANSFER LOAD CENTER IN NEMA 3R OUTDOOR ENCLOSURE												
CKT #	1	2	3	4	5	6	7	8	9	10	11	12
DESCRIPTION	MAIN BREAKER		SURGE ARRESTOR		POWER DISTRIBUTION UNIT		RRH		BLANK	BLANK	BLANK	BLANK
AMP	100		20		20		20		–	–	–	–

ELECTRICAL LOAD CENTER PANEL SCHEDULE (5 / L-4)

SCALE: N.T.S.



ONE-LINE DIAGRAM NOTES:

1. PROVIDE WEATHER TIGHT SEAL CONNECTORS ON ALL CONNECTIONS EACH SIDE OF ENCLOSURE HOUSING.
2. COORDINATE ANY FURTHER MISCELLANEOUS WIRING AND CONDUIT REQUIREMENTS WITH VERIZON WIRELESS AND ELECTRIC COMPANY.

LEGEND:

BLUE	=	FIBER BUNDLE/JUMPER
RED	=	AC POWER
ORANGE	=	DC POWER
GREEN	=	GROUND
---BLUE----	=	1/2"ø SUPERFLEX SIGNAL CABLES

FIBER/ELECTRICAL ONE-LINE DIAGRAM (4 / L-4)

SCALE: N.T.S.

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MDG ID:
5000980621

SHEET TITLE:
EQUIPMENT DETAILS & ONE-LINE DIAGRAM

SHEET NUMBER:
L-4

Details of Proposed Small Cell Wireless Facility

In compliance with the Regulations of Connecticut State Agencies § 16-247c-5, the Lease Exhibit, also provided in this Attachment 1, includes details of the proposed small cell wireless facility ("Facility"), the geographic location of the utility pole that will be used, and a schematic of Cellco's proposed pole attachment plan. Antenna(s) will be top or side mounted on the utility pole, as indicated on the Lease Exhibit. Radio and electrical service equipment associated with the Facility will be located on the lower portion of the pole. Power and telephone service to the Facility will be provided as noted in the Lease Exhibit. The design of Cellco's Facility will comply with all applicable National Electrical Safety Code ("NESC") and National Electric Code ("NEC") design and construction standards and will meet the requirements of the electric distribution company and pole owners.

Cellco will apply for and receive applicable permits, including a local electrical permit for the installation of the small cell equipment. As a part of this local permitting process, Cellco will consult with the municipality regarding municipal traffic control requirements. Applicable traffic control measures required by the municipality would be incorporated into the installation and maintenance process for the proposed Facility, should it be approved by the Authority. These measures may include a combination of advanced signage, channelizing devices (cones and barricades), proper lighting, and, when necessary, flaggers or law enforcement.

Installation contractors engaged by Cellco for small cell projects, including this Facility, must hold a current Connecticut electrician license. Cellco has specifically designated, qualified construction managers who are authorized to inspect each completed installation to confirm compliance with the pole owner standards, the latest adopted NESC, NEC and/or other applicable codes. Cellco then notifies the utility pole owner that the required inspection has been

completed and that the installation was constructed in accordance with those standards. The utility pole owner engineer then conducts an inspection of the installation for the purpose of confirming code compliance.

Installation and maintenance activities are performed by personnel trained in personal protective equipment use, and traffic safety and control procedures, and are required to follow such safety measures when conducting inspection, maintenance or installation activities at Cellco small cell equipment facilities. Installation of small cell wireless facilities similar to the proposed Facility typically takes one to two days and necessitates the use of a bucket truck. During installation, Cellco's contractors follow municipal traffic control requirements, as may be applicable. After installation, maintenance of the small cell facilities is infrequent. If maintenance is required, similar traffic control measures would be employed to protect Cellco's contractors, travelers on the adjacent right-of-way, and local residents accessing their properties.

The purpose of the proposed installation is to provide the general public, Cellco customers and emergency service providers with access to enhanced and more reliable wireless, voice and data services near the Facility. Cellco has identified this area for development of its advanced wireless network. Consistent with the provisions of Conn. Gen. Stat. § 16-247h, the proposed Facility is in the public interest because it will help facilitate the efficient development and deployment of advanced wireless technology and infrastructure and promotes the shared use of existing utility poles in or near public rights of way.[1]

[1] *See* Conn. Gen. Stat. § 16-247h ("The authority shall authorize any certified telecommunications provider to install, maintain, operate, manage or control poles, wires, conduits or other fixtures under or over any public highway or street for the provision of telecommunications service authorized by section 16-247c, if such installation, maintenance, operation, management or control is in the public interest, which includes but is not limited to, facilitating the efficient development and deployment of an advanced telecommunications infrastructure, facilitating maximum network interoperability and interconnectivity, and encouraging shared use of existing facilities and cooperative development of new facilities where legally possible and technically and economically feasible.").