METER SERVICE POLES IN TVEC SERVICE AREA

TVEC WILL SPOT ALL METER POLES MINIMUM CLEARANCE REQUIREMENTS **18' MINIMUM CLEARANCE IS REQUIRED OVER** EYE BOLT FURNISHED BY TVEC PUBLIC ROADWAYS **16' MINIMUM CLEARANCE IS REQUIRED OVER** WEATHERHEAD MUST BE 12' FROM GROUND AND WITHIN 24" OF THE EYEBOLT **DRIVEWAY CROSSINGS** 12' MINIMUM CLEARANCE IS REQUIRED OVER MINIMUM 18" LENGHTHS OF WIRE PEDESTRIAN AREAS AT WEATHERHEAD FOR CONNECTION 2" RIGID OR SCHEDULE 80 PVC CONDUIT MINIMUM 16' TREATED ROUND POLE WITH 5" MINIMUM TOP DIAMETER. ADDITIONAL HEIGHT EMT CONDUIT STRAPS, FASTENED WITH LAG BOLTS OR NON CORROSIVE SCREWS OF ADEQUATE MAY BE REQUIRED TO MAINTAIN PROPER CLEARANCE OF ROAD OR DRIVEWAY CROSSINGS R **STRENGTH EVERY 4 GROUND WIRE INSTRUCTIONS** #4 SOLID COPPER FOR 200 AMP SERVICE WEATHERPROOF FUSED, SWITCH OR CIRCUIT #6 SOLID COPPER FOR 100 AMP SERVICE BREAKER WITH COVERED RECEPTACLE. **GROUND WIRE TO GO FROM GROUND ROD TO** RECEPTACLE MAY BE LOCATED INSIDE BOX OR METER BASE **OR** TOP OF POLE, UNBROKEN, ON POLE WITH IN-USE COVER. (SEE F BELOW) FOR CONNECTION. GROUND WIRE SHOULD BE FASTENED TO POLE AT INTERVALS OF 18" WITH MINIMUM 1" GALVANIZED STEEPLES •••• **OR NON CORROSIVE WIRE HOLDING CLAMPS.** L <u>5 1/2' TO CENTER OF METER FROM GROUND</u> MULTIPLE POINT GROUNDING BLOCK (NOT REQUIRED FOR TEMPORARY POLE SERVICES) **GROUND LEVEL GROUND LEVEL** APPROVED GROUND POD CLAMP 5/8 X 8' GALVANIZED GROUND ROD 4' DEEP IF METER POLE IS MORE THAN 50' FROM SERVICE POLE CONCRETE AROUND BASE OF POLE OR GUYING IS REQUIRED A MINIMUM 1/2" ROD SCREW ANCHOR SHALL BE USED. **OWNER IS RESPONSIBLE FOR GUYING.** www.tvec.com **MARCH 2019** MINIMUM CONDUCTOR SIZING **RV- POLE SERVICE TEMPORARY POLE SERVICE** A. IF POLE IS TO BE USED AS RV POLE THEN RV PLUG(S) MAY 200 AMP COPPER: 2/0 HOTLEGS WITH #1 NEUTRAL BE ADDED TO POLE BUT MUST HAVE 120V G.F.C.I. **100 AMP COPPER: #4 HOTLEGS WITH #6 NEUTRAL** WEATHER RESISTANT RECEPTICAL(S) WITH IN-USE COVER NON-RESIDENTIAL PERMANENT POLE SERVICE **B. RECEPTICALS SHOULD BE SIZED TO MEET RV LOAD** 200 AMP COPPER: 3/0 HOTLEGS WITH 1/0 NEUTRAL C. ALL RECEPTICALS SHOULD BE PROTECTED BY A CIRCUIT **100 AMP COPPER: #3 HOTLEGS WITH #4 NEUTRAL** BREAKER, APPROPRIATE TO MATCH RV LOAD D. RV RECEPTICALS MUST BE EQUIPPED WITH IN-USE COVERS RV 200 AMP COPPER: 3/0 HOTLEGS WITH 1/0 NEUTRAL E. ALL POLES MUST HAVE AT LEAST ONE G.F.C.I. PROTECTED, **100 AMP COPPER: #3 HOTLEGS WITH #4 NEUTRAL 120 VAC WEATHER RESISTANT RECEPTICAL WITH IN-USE COVER** ALL CONDUCTORS SHOULD HAVE 18" AT WEATHERHEAD All wiring must meet State of Tennessee wiring code and the National Electric Code (NEC). T.V.E.C. will not connect to a GUYING IF GUYING IS NECESSARY, THE OWNER IS REQUIRED TO meter pole until approved by Tennessee deputy state inspector INSTALL GUY(S) FOR THE POLE.