

METER SERVICE POLES IN TVEC SERVICE AREA

TVEC WILL SPOT ALL METER POLES

MINIMUM CLEARANCE REQUIREMENTS

18' MINIMUM CLEARANCE IS REQUIRED OVER PUBLIC ROADWAYS

16' MINIMUM CLEARANCE IS REQUIRED OVER DRIVEWAY CROSSINGS

12' MINIMUM CLEARANCE IS REQUIRED OVER PEDESTRIAN AREAS

MINIMUM 16' TREATED ROUND POLE WITH 5" MINIMUM TOP DIAMETER. ADDITIONAL HEIGHT MAY BE REQUIRED TO MAINTAIN PROPER CLEARANCE OF ROAD OR DRIVEWAY CROSSINGS

GROUND WIRE INSTRUCTIONS

#4 SOLID COPPER FOR 200 AMP SERVICE
 #6 SOLID COPPER FOR 100 AMP SERVICE
 GROUND WIRE TO GO FROM GROUND ROD TO METER BASE OR TOP OF POLE, UNBROKEN, FOR CONNECTION. GROUND WIRE SHOULD BE FASTENED TO POLE AT INTERVALS OF 18" WITH MINIMUM 1" GALVANIZED STEEPLES OR NON CORROSIVE WIRE HOLDING CLAMPS.

MULTIPLE POINT GROUNDING BLOCK MUST BE INSTALLED ON NON-RESIDENTIAL

GROUND LEVEL

APPROVED GROUND POD CLAMP
 5/8 X 8' GALVANIZED GROUND ROD

EYE BOLT FURNISHED BY TVEC

WEATHERHEAD MUST BE 12' FROM GROUND AND WITHIN 24" OF THE EYEBOLT

MINIMUM 18" LENGTHS OF WIRE AT WEATHERHEAD FOR CONNECTION

2" RIGID OR SCHEDULE 40 PVC CONDUIT

EMT CONDUIT STRAPS, FASTENED WITH LAG BOLTS OR NON CORROSIVE SCREWS OF ADEQUATE STRENGTH EVERY 4'

WEATHERPROOF FUSED, SWITCH OR CIRCUIT BREAKER WITH COVERED RECEPTACLE. RECEPTACLE MAY BE LOCATED INSIDE BOX OR ON POLE WITH IN-USE COVER. (SEE F BELOW)

5 1/2' TO CENTER OF METER FROM GROUND

GROUND LEVEL

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

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MINIMUM CONDUCTOR SIZING TEMPORARY POLE SERVICE

200 AMP COPPER: 2/0 HOTLEGS WITH #1 NEUTRAL

100 AMP COPPER: #4 HOTLEGS WITH #6 NEUTRAL

NON-RESIDENTIAL PERMANENT POLE SERVICE

200 AMP COPPER: 3/0 HOTLEGS WITH 1/0 NEUTRAL

100 AMP COPPER: #3 HOTLEGS WITH #4 NEUTRAL

RV

200 AMP COPPER: 3/0 HOTLEGS WITH 1/0 NEUTRAL

100 AMP COPPER: #3 HOTLEGS WITH #4 NEUTRAL

ALL CONDUCTORS SHOULD HAVE 18" AT WEATHERHEAD

GUYING

IF GUYING IS NECESSARY, THE OWNER IS REQUIRED TO INSTALL GUY(S) FOR THE POLE.

RV- POLE SERVICE

A. IF POLE IS TO BE USED AS RV POLE THEN RV PLUG(S) MAY BE ADDED TO POLE BUT MUST HAVE 120V RECEPTACLE

B. RECEPTICALS SHOULD BE SIZED TO MEET RV LOAD

C. ALL RECEPTICALS SHOULD BE PROTECTED BY A CIRCUIT BREAKER, APPROPRIATE TO MATCH RV LOAD

D. G.F.I. PROTECTION IS OPTIONAL ON RV RECEPTICALS

E. RV RECEPTICALS MUST BE EQUIPPED WITH IN-USE COVERS

F. ALL POLES MUST HAVE AT LEAST ONE GFI PROTECTED, 120 VAC RECEPTICAL WITH IN-USE COVER ON THE POLE

All wiring must meet State of Tennessee wiring code and the National Electric Code (NEC). T.V.E.C. will not connect to a meter pole until approved by Tennessee deputy state inspector