TIMBER POLE (TP) SERVICE SUPPORT NOTES

1. Ensure electrical service support is a class 5 taped timber pole as per Item 627 “Timber Poles.” Embed timber pole to depth as required by Item 627.

2. Conduit and electrical conductors attached to the electrical service pole and underground within 12 ft. of service pole are not paid for directly but are subsidiary to various bid items.

3. Install pole top mounted photosite (1) on main ring of pole, or in service enclosure (2) as required. See Electrical Service Data chart in plan set.

4. Gain pole as required to provide flat surface for each channel. Gain timber pole to 1½ in. max., depth and 1½ in. max. Height, gain pole in a neat and workmanlike manner.

5. Pour concrete and service equipment on stainless steel or galvanized channel (Unistrut, Kindorf, or equal). Provide channel sized 1½ in. to 3½ in. maximum depth, and 1½ in. to 8½ in. maximum width. File smooth the cut ends of galvanized channel and pole with 8½ in. long file before installing on pole. Secure each channel section to pole with two galvanized or SS lag bolts. ⅜ in. minimum diameter by 1½ in. minimum length. Use a galvanized or SS flare washer on each lag bolt. Do not stack channel.

6. Excavation with backhoe and paint with zinc-rich paint. Ensure that has been cut, file sharp edges and backfilling will not be paid for directly but is subsidiary to various bid items.

5. Mount meter and service equipment on stainless steel pole. Ensure electrical service support structures bid as type Granite Concrete (GC) or Other Concrete (OC) meet the following requirements.

- Ensure electrical service support structures bid as type Granite Concrete (GC) or Other Concrete (OC) meet the following requirements.

- Ensure all installation details of services are in accordance with utility company specifications.

- Embed poles 42 in. or 10% of the length plus 2 ft., whichever is greater.

- Provide prestressed concrete poles suitable for direct embedment into the ground without special foundations. If special foundations are required in Item 627.

- Provide a ground rod - drive ground rod † in. x 8 ft. Copper clad 6 in. underground. If no ground rod is included, provide a ground rod 6 in. diameter, 18 ft. long, with a lug to be attached to the channel, and provide a ground rod 3 in. diameter, 12 ft. long, with a lug to be attached to the channel. These marks are small but conspicuous.

- Provide single point anchoring for the electrical service support. Secure each channel section to pole with two galvanized or SS lag bolts. ⅜ in. minimum diameter by 1½ in. minimum length. Use a galvanized or SS flare washer on each lag bolt. Do not stack channel.

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