The center of all pole foundations shall be located 3 feet behind the back of curb, unless otherwise noted. Directed, grassy areas shall be re-sodded. All unpaved areas damaged during construction shall be restored to the original condition. Unless otherwise restoration work will be at the Contractor's expense, and shall be acceptable to the City Engineer. Damage to any existing curb and gutter, sidewalk, pavement, drainage structures, and irrigation systems equal or better than the existing material. Contractor. The equipment shall be replaced or repaired (as directed by the City Engineer) with materials used may be abandoned in place. All existing cables removed from service shall be removed by the Contractor. Existing conduits no longer All existing concrete bases, shown to be removed, shall be removed a minimum of 24" below final grade. All existing street lighting equipment is to be used in place (U.I.P.) unless otherwise noted in the plans. The Contractor shall be required to apply adhesive pole labels on the poles and service enclosure cabinet engraved on each tag. cutting existing street pavement for the purpose of trenching conduit across any existing pavement will not be allowed. Conduit shall be bored under all street pavements that are in place at the time of installation. Saw street lighting general notes and project specific notes.
Material Notes:

- Pole Cap
- Bracket Arm - Tubing
- Handhole Cover
- Reinforced Handhole Frame
- Pole Shaft
- Bolt Covers
- Cover Skirt
- Shoe Base

1. All poles, arms, and miscellaneous equipment shall conform to these details and as specified in the latest edition of the Street Lighting Specifications. The pole and arm shall conform to dimensions and tolerances.

2. The luminaire lighting standard housing on top of the luminaire is to be a luminous type of 50,000 PSI minimum yield; per ASTM A193 Class I B8.

3. Pole shaft shall have a satin ground finish.

4. Anchor bolts shall project above the foundation as per manufacturer's recommended practices - 2.5" to 3.0".

5. Minimum dimensions represent minimum values.

6. Arm and pole shall be interchangeable allowing screw to slide through.

7. These dimensions represent minimum values.

Table 1 - Bracket Arm, Pole, Shoe Base & Anchor Bolt Data

<table>
<thead>
<tr>
<th>Bracket Arm Type</th>
<th>Bracket Arm Type</th>
<th>Bracket Arm Type</th>
<th>Bracket Arm Type</th>
<th>Bracket Arm Type</th>
<th>Bracket Arm Type</th>
<th>Bracket Arm Type</th>
<th>Bracket Arm Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Type A</td>
<td>Type B</td>
<td>Type C</td>
<td>Type A</td>
<td>Type B</td>
<td>Type C</td>
<td>Type A</td>
</tr>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>A</td>
<td>B</td>
<td>A</td>
<td>B</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>3001</td>
<td>3002</td>
<td>3003</td>
<td>3004</td>
<td>3005</td>
<td>3006</td>
<td>3007</td>
</tr>
<tr>
<td></td>
<td>2001</td>
<td>2002</td>
<td>2003</td>
<td>2004</td>
<td>2005</td>
<td>2006</td>
<td>2007</td>
</tr>
<tr>
<td></td>
<td>1001</td>
<td>1002</td>
<td>1003</td>
<td>1004</td>
<td>1005</td>
<td>1006</td>
<td>1007</td>
</tr>
<tr>
<td></td>
<td>0001</td>
<td>0002</td>
<td>0003</td>
<td>0004</td>
<td>0005</td>
<td>0006</td>
<td>0007</td>
</tr>
</tbody>
</table>

General Notes:

1. All poles, arms, and miscellaneous equipment shall conform to these details and as specified in the latest edition of the Street Lighting Specifications. The pole and arm shall conform to dimensions and tolerances.

2. The luminaire lighting standard housing on top of the luminaire is to be a luminous type of 50,000 PSI minimum yield; per ASTM A193 Class I B8.

3. Minimum dimensions represent minimum values.

4. Anchor bolts shall project above the foundation as per manufacturer's recommended practices - 2.5" to 3.0".

5. These dimensions represent minimum values.

6. Arm and pole shall be interchangeable allowing screw to slide through.

7. These dimensions represent minimum values.

8. Minimum dimensions represent minimum values.
**Street Lighting Details**

**Conduits Entering/Exiting**

<table>
<thead>
<tr>
<th>Number of Conduits</th>
<th>Box Type</th>
<th>Minimum Box Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 2</td>
<td>Type 1 Junction Box</td>
<td>12&quot; x 12&quot;</td>
</tr>
<tr>
<td>3 - 4</td>
<td>Type 2 Pull Box</td>
<td>18&quot; x 30&quot;</td>
</tr>
<tr>
<td>&gt; 4</td>
<td>Pull Box</td>
<td>30&quot; x 30&quot;</td>
</tr>
</tbody>
</table>

All dimensions are nominal.

**NOTES:**
1. A Class 1 Pull Box shall be installed adjacent to each Service Enclosure.
2. Cable hooks are to be installed in Type 1 Pull Boxes only.
3. If an extension is used with a preformed box, the lip of the extension may be interior or exterior. The extension shall be compatible and from the same manufacturer.
4. A Class 1 Pull Box shall be installed adjacent to each Service Enclosure.

**Conduit Locations**

- All trenches for conduit under proposed paved surfaces shall be backfilled with flowable fill.
- Backfill in unpaved areas shall be free of rubble and rock.
- Lift opening required on all covers.

**NOTES:**
1. Lift opening required on all covers.
2. Preformed box walls may be either flared or vertical. The bottom of boxes shall be open to below.
3. If multiple conduits are installed within the same trench, they shall have a minimum of 12" horizontal and vertical clearance between them.

**PULL OR JUNCTION BOX DETAILS**

**NOTES:**
1. An aluminum marker shall be placed in the top of the curb directly over the conduit at each street crossing.
2. Markers shall be installed by driving the curb and exposing the marker in place. If installed in a sidewalk or curb ramp, the marker shall be installed so that it is flush with the concrete surface.
3. No direct payment shall be made for conduit markers; they are subsidiary to the installation of conduit.
SECONDARY SERVICE CONNECTION DETAILS

NOTES:
1. Contractor is responsible for coordinating the delivery of secondary service with the electrical utility company.
2. Contractor shall install a conduit stub 24" to 6" above ground at poles. Conduit shall be stored to the side of the pole that will allow a direct run up the pole to the transformer without crossing other utility lines or cables. The end of the conduit shall be capped.
3. Contractor shall install conduit with a pull string and trench to within 24" of pad mount transformer, and leave a 3' x 3' x 3' access hole in the ground.

POLE WIRING DETAILS

- Electrical Wiring Details
- Contractor shall keep open trench covered and promptly backfill when service is completed.
- Pad mount transformers, and leave a 36" x 36" x 36" access hole in the ground.
- Contractor shall install conduit with a pull string and trench to within 24" of pad mount transformer, and leave a 3' x 3' x 3' access hole in the ground.

GROUND ROD CONNECTION DETAILS