**SECTION B-B**

- **Typical Pole Foundation in Drilled Hole Anchor Base**

**General Notes:**
1. The foundations shall be located as indicated on the project plan sheets.
2. Foundation reinforcing steel cages may be modified if the reinforcing steel conforms to AASM M 3-3 and all welding conforms to AWS D1.1A Structural Welding Code - Reinforcing Steel.
3. Reinforcing steel in pole foundations shall be 60 ksi steel.
4. Steel template required for anchor Rebar placement.
5. Class A concrete shall be used in pole foundations.
6. Foundation concrete shall achieve 60% of specified compressive strength within 7 days before the application of loading as applied.
7. Fill between material will be placed around pole foundation when pole foundation is lower than pole foundation.
8. Elongated top of pole foundation shall match the adjacent pavement edge or sidewalk elevation.
9. Anchor base assemblies shall be installed and tightened in accordance with subsection 619.03 of the ITD Standard Specifications for Highway Construction and the Supplemental Specifications.
10. Drawing not to scale.

**Pole Foundation Schedule**

<table>
<thead>
<tr>
<th>Pole Type</th>
<th>Mouning Height</th>
<th>Mastarm Length</th>
<th>Foundation Type</th>
<th>X</th>
<th>Y</th>
<th>Reinforcing Steel Hoops</th>
<th>Vertical Reinforcing Steel</th>
<th>Cubic Yard Concrete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Pole</td>
<td>30'</td>
<td>ALL</td>
<td>A</td>
<td>2'-0&quot;</td>
<td>0'-0&quot;</td>
<td>4 x 14</td>
<td>20'-0&quot;</td>
<td>6 x 14</td>
</tr>
<tr>
<td>Light Pole</td>
<td>35'</td>
<td>ALL</td>
<td>B</td>
<td>2'-0&quot;</td>
<td>0'-0&quot;</td>
<td>4 x 14</td>
<td>27'-2&quot;</td>
<td>6 x 14</td>
</tr>
<tr>
<td>Light Pole</td>
<td>40'-50'</td>
<td>ALL</td>
<td>C</td>
<td>8'-0&quot;</td>
<td>0'-0&quot;</td>
<td>5 x 14</td>
<td>41'-0&quot;</td>
<td>8 x 14</td>
</tr>
</tbody>
</table>

**Supplemental Specifications:**
- 619.03 of the ITD Standard Specifications for Highway Construction and the Supplemental Specifications.

**Typical Pole Foundation in Drilled Hole Breakaway Base**

- The lower 2/5 of the foundation to be placed against undisturbed soil unless otherwise approved by the engineer.
- The upper 3/5 of the foundation may be formed as needed.

**Breakaway Support Clearances Diagrams**

- Cross slopes perpendicular to the flow of traffic must be at least 30 degrees.
- Cross slopes parallel to the flow of traffic on the interstate system shall be at least 60 degrees.
- Slides from the edge of the roadway to the pole foundation should have a 30 degree longitudinal taper.

**Foundation Grading/Slope Treatment**

- Breakaway support clearances.
- Sidewalk or grade line.
- Pole foundation.
- Sidewalk or grade line.
- Pole foundation.
- Sidewalk or grade line.
- Pole foundation.

**Foundation Details:**

- Standard drawing 619-1.
- Designed by Kevin Sablan.
- Boise, Idaho.
EXCAVATION NOTES:

1. If corrugated metal pipe is used up to sidewalk or grade line, cut out hole for the conduit will be equal to the diameter of conduit or conduit plus one inch when native soil is used for backfill. It shall be compacted in accordance with subsection 206.02 of the Idaho Standard Specifications for Highway Construction.
2. If control density fill is used for backfill, it shall have a minimum strength of 100 psi to 300 psi.
3. Vertical reinforcing steel shall be evenly spaced. A minimum of 2 inches full drilled holes with drill 705.02, Type B, Class 1.
4. Drawing not to scale.

SOLID BEDROCK NOTES:

1. If depth to bedrock is less than 4', notify the engineer and redesign of the foundation may be required.
2. Three reinforcing steel hoops to be evenly spaced are required.
3. Socket all vertical reinforcing steel full length as shown in pole foundation schedule.
4. Excessive notes apply to this application.
5. Drawing not to scale.