SECTION B-B

ANCHOR BOLT SIZES AND LOCATION PER MANUFACTURERS SPECIFICATIONS

SECTION B-B

BREAKAWAY SUPPORT CLEARANCE DIAGRAMS

NOTE: CROWT AFTER POLE HAS BEEN PLACED
LEAVE CAVITY UNDER CENTER OF BASE PLATE
OPTIONAL FINISH LINE
1/2" PLASTIC DRAIN PIPE REQUIRED
6" CLEARANCE

TO JUNCTION BOX

2" HIGH STEEL CONDUIT CARRYING THE FOUNDATION TO A MINIMUM OF 6 INCHES

VERTICAL REINFORCING STEEL (TYPE)

REINFORCING STEEL HOOP (TYPE)
EVENLY SPACED

SECTION A-A

TYPICAL POLE FOUNDATION IN DRILLED HOLE ANCHOR BASE

THE LOWER 1/3 OF THE FOUNDATION TO BE PLACED AGAINST UNMOISTURIZED SOIL UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE UPPER 2/3 OF THE FOUNDATION MAY BE FORMED AS NEEDED.

FOUNDATION GRADING/SLOPE TREATMENT

GENERAL NOTES:

1. THE FOUNDATIONS SHALL BE LOCATED AS INDICATED ON THE PROJECT SHEET.
2. FOUNDATION REINFORCING STEEL CASING MAY BE REQUIRED IF THE REINFORCING STEEL CONFORMS TO ASME M 32 AND ALL WELDING CONFORMS TO ANSI/AWS D1.1 (STRUCTURAL WELDING CODE - REINFORCING STEEL).
3. REINFORCING STEEL IN POLE FOUNDATIONS SHALL BE 83 KSI STEEL.
4. STEEL TEMPLATE REQUIRED FOR ANCHOR BOLT PLACEMENT.
5. CEMENT 4A CONCRETE SHALL BE USED IN POLE FOUNDATIONS.
6. FOUNDATION CONCRETE SHALL ACHIEVE 1000 LBS/SQ. IN. STRENGTH AND CURE FOR A MINIMUM OF 7 DAYS BEFORE ANY LOADING IS APPLIED.
7. DRAINAGE SYSTEM SHALL BE ERECTED PREFERRED WHEN POLE FOUNDATION IS INSTALL IN CONTACT WITH SEDIMENT.
8. ELEVATION OF TOP OF POLE FOUNDATION SHALL BE MATCHED TO ADJACENT GRADE OR SIDWALK ELEVATION.
9. ANCHOR BASE ASSEMBLY SHALL BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH SUBSECTION 619.03 OF THE IDAHO STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE SUPPLEMENTAL SPECIFICATIONS.
10. DRAWING IS NOT TO SCALE.

POLE FOUNDATION SCHEDULE

<table>
<thead>
<tr>
<th>POLE TYPE</th>
<th>MOUNTING HEIGHT</th>
<th>MAXIMUM LENGTH</th>
<th>FOUNDATION TYPE</th>
<th>X</th>
<th>Y</th>
<th>REINFORCING STEEL HOOPS</th>
<th>VERTICAL REINFORCING STEEL</th>
<th>CUBIC YARDS CONCRETE</th>
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</thead>
<tbody>
<tr>
<td>LIGHT POLE</td>
<td>30'</td>
<td>ALL</td>
<td>A</td>
<td>2-5/8&quot;</td>
<td>5-3/8&quot;</td>
<td>4</td>
<td>40</td>
<td>20-30&quot;</td>
</tr>
<tr>
<td>LIGHT POLE</td>
<td>35'</td>
<td>ALL</td>
<td>B</td>
<td>0-7/8&quot;</td>
<td>7-3/8&quot;</td>
<td>4</td>
<td>40</td>
<td>20-30&quot;</td>
</tr>
<tr>
<td>LIGHT POLE</td>
<td>40'</td>
<td>ALL</td>
<td>C</td>
<td>0-7/8&quot;</td>
<td>7-3/8&quot;</td>
<td>4</td>
<td>40</td>
<td>20-30&quot;</td>
</tr>
</tbody>
</table>

REVISIONS

SCALES SHOWN ARE FOR 1" = 1'-0" LIMITS ONLY

IDAH0 TRANSPORTATION DEPARTMENT

LIGHT POLE FOUNDATION DETAILS

REQUIRES SHEET 2 OF 2

ENGLISH

STANDARD DRAWING 619-1

BOISE IDAHO

DESIGNER: KEVIN SANDEN

DATE: MAY 2017
TYPICAL ANCHOR BASE
POLE FOUNDATION
IN EXCAVATION

EXCAVATION NOTES:
1. If corrugated metal pipe is used up to sidewalk or grade line, cut off hole for the conduit will be equal to the diameter of conduit or conduit plus one inch.
2. When native soil is used for backfill, it shall be compacted in accordance with subsection 2100.03 of the Idaho Standard Specifications for Highway Construction.
3. If control density fill is used for backfill, it shall have a compressive strength of 100 psi to 500 psi.
4. Drawing not to scale.

TYPICAL BREAKAWAY BASE
POLE FOUNDATION
IN EXCAVATION

SEE STANDARD DRAWING 619-1 SHEET 1 FOR DETAILS

SOLID BEDROCK NOTES:
1. If depth to bedrock is less than 1.5, notify the engineer and redesign of the foundation may be required.
2. Three reinforcing steel hoops to be evenly spaced are required.
3. Minimum vertical reinforcing steel full length as shown in pole foundation schedule on sheet 1. In bedrock, diameters of drilled holes for vertical reinforcing steel shall be at least 2 inches full. Drilled holes with O.D. 2, 0.050, type B, class 1.
4. Excavation notes apply to this application.
5. Drawing not to scale.

TYPICAL BREAKAWAY BASE
POLE FOUNDATION
IN SOLID BEDROCK

STANDARD DRAWING 619-1
LIGHT POLE FOUNDATION DETAILS
REQUIRES SHEET 1 OF 2

SHEET 2 OF 2

REVISIONS

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BOISE, IDAHO

STANDARD DRAWING 619-1