**Electrical Junction Boxes**

**JUNCTION BOX PLACEMENT WITHIN SIDEWALKS**

- Should avoid installing junction boxes in sidewalks whenever possible.
- (Junction boxes to be located only in flat areas of sidewalks.
- Concrete junction boxes are not to be installed in slopes of ramps or driveways.
- Junction boxes placed within sidewalks shall include a full panel removal and reinstall.

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**JUNCTION BOX DIMENSION TABLE**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>L</th>
<th>W</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>JB1</td>
<td>17&quot;</td>
<td>10&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>JB2</td>
<td>22&quot;</td>
<td>12&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>JB3</td>
<td>30&quot;</td>
<td>17&quot;</td>
<td>12&quot;</td>
</tr>
</tbody>
</table>

**NOT TO BE USED IN TRAVEL LANES, SHOULDER OR AREAS EXPOSED TO TRAFFIC. SEE PRE-APPROVED MATERIALS LIST.**

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**PORTLAND CEMENT CONCRETE APRON**

- 45° CHAMFER TYP
- 12" MAX
- 3 1/2"
- 3" MIN

**SIDEWALK (AS SHOWN ON PLANS)**

- FACE OF CURB
- TRAVEL LANE
- BACK OF SIDEWALK

**SIDEWALK**

- 12" OF 3/4" - 0" CRUSHED ROCK

**BUSHING, TYP**

- GROUND WIRE 4' MIN

**CONDUIT**

- INSTALL JUNCTION, BOX LEVEL WITH SIDEWALK

**BONDING LUG (WHEN REQUIRED)**

- STAINLESS STEEL/BRASS "L" BOLTS OR HEX HEAD BOLTS

**JUNCTION BOX COVER**

- 3/4" - 0" CRUSHED ROCK

**JUNCTION BOX COVER WITH RECESSED LIFTING EYE OR MAX 3/8" LIFT HOLE**

**COVER TO BE MARKED "SIGNS" OR "LIGHTING" AS DIRECTED (MIN 1" LETTER HEIGHT)**

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**INSTALLATION IN SIDEWALK OR AT BACK OF CURB**

- BUSHING, TYP

**CONCRETE APRON**

- 3 1/2" MAX

**CONDUIT**

- 12" OF 3/4" - 0" CRUSHED ROCK

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**CITY OF WILSONVILLE**

**PUBLIC WORKS STANDARDS**