1. BORED PILE SHALL BE INSTALLED AT THE LOCATION SHOWN ON THE RELEVANT PROJECT DRAWINGS. THE FOUNDING MATERIAL SHALL BE ASSESSED AND CONFIRMED ON SITE BY AN EXPERIENCED GEOTECHNICAL ENGINEER (RPE) APPOINTED BY THE CONTRACTOR.

2. THE EMBEDDING LENGTHS ‘L’ SHOWN IN THE TABLE ARE BASED ON THE ASSUMPTION THAT THERE ARE NO TRENCHES OR HOLES ADJACENT TO THE BORED PILE. IF THERE ARE SUCH EXCAVATIONS WITHIN A RADIUS OF 3m FROM THE CENTRE OF THE PILE, THE EMBEDDING LENGTHS SHOWN IN THE TABLE SHALL BE INCREASED BY AN AMOUNT EQUAL TO THE DEPTH OF THE EXCAVATION UNLESS ADVISED OTHERWISE BY THE DESIGNER.

3. IF PERMANENT LINERS ARE USED TO INSTALL THE BORED PILE, THE EMBEDDING DEPTH SHALL BE MEASURED FROM THE BOTTOM OF THE STEEL LINER.

4. CONTRACTOR IS REQUIRED TO CARRY OUT A BORE HOLE INVESTIGATION AT EACH SITE TO ASSESS PROPERTIES OF THE FOUNDING MATERIALS. THE DEPTH OF THE BORE HOLE SHALL BE AT LEAST EQUAL TO THE EMBEDDING DEPTH OF THE PILE.

5. THE DESIGN PARAMETERS SHOWN ARE FOR COHESIVE TYPE SOILS ONLY. IF COHESIONLESS SOILS OR SOILS HAVING UNDRAINED COHESION VALUES LESS THAN 50kPa ARE ENCOUNTERED AT SITE, THE CONTRACTOR SHALL NOTIFY AND SEEK ADVICE FROM THE DESIGNER BEFORE PROCEEDING WITH WORKS. THE NOTIFICATION SHALL ACCOMPANY BORE HOLE LOGS OBTAINED FOR THE RELEVANT SITE.

---

### FOUNDING MATERIAL

<table>
<thead>
<tr>
<th>General Classification</th>
<th>Material Type</th>
<th>Undrained Cohesion (kPa)</th>
<th>Minimum E embedment ‘L’ (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poor</td>
<td>Firm to stiff clay</td>
<td>50 - 100</td>
<td>4500</td>
</tr>
<tr>
<td>Medium</td>
<td>Stiff to very stiff/hard clay</td>
<td>100 - 200</td>
<td>3500</td>
</tr>
<tr>
<td>Good</td>
<td>Very stiff/hard clay or very low/low strength rock</td>
<td>&gt; 200</td>
<td>3000</td>
</tr>
</tbody>
</table>

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**NOTES**

**DIA.** ORANGE PVC CONDUIT WITH 600mm MIN. BEND RADIUS. REFER ELECTRICAL DRAWINGS.

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**VMS SUPPORT STRUCTURE**

**BORRED PILE DETAIL**

**SECTION A**

**HOLDING DOWN BOLT DETAIL**

**SCALE 1:20**

**CAST IN PLATE DETAIL**

**SCALE 1:20**

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**STRUCTURAL DESIGN CERTIFICATION**

**Brisbane City Council Standard Drawing**

**Type BCCVA - Footing Details**

**Sheet 5 of 5**

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**Drawing Title:** Standard Drawing

**Drawing Code:** BSD-4312

**Issued:** 30/06/2023

**Revised:** 30/06/2023

**Drawn By:**

**Checked By:**

**Approved By:**

**Printed By:**

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**Top Plate Cap**

**Top Plate**

**Base Plate**

**30mm NON-SHINK GROUT PACKED UNDER BASE PLATE (REFER HOLD DOWN BOLT NOTE 6)**