Bored Pile Notes:

1. Material and workmanship of bored piles are to be in accordance with M1063.

2. Bored piles shall be located in the positions shown on the project drawings, within the following tolerances (whichever minimum):
   - Maximum lateral displacement of the pile head in any direction from its correct position shall not exceed 75mm.
   - Maximum variation from vertical shall not exceed 20mm per meter.

3. The contractor shall determine the required thickness for a temporary or permanent liner for the pile bore prior to excavation. The pile length shown in the table in DRG 18D-4313 sheet 6 is the length connecting below the bottom of the permanent liner.

4. Bottom of pile is to be cleaned before concreting by the contractor to the satisfaction of a registered geotechnical engineer (RGE) appointed by the contractor.

5. Concrete shall be placed as soon as possible after driling and approval has been given, through a suitable length and diameter delivery pipe and shall be compacted as specified in M1063.

6. Bored piles shall be kept free of water at all times by draining and pumping if necessary, particularly prior to concreting. Concrete shall not be placed in water unless approved by the designer. The top of pile shall be properly formed to prevent surface water or rainfall from entering the holes.

7. Safety precautions shall be taken to avoid injury to people. The unattended hole shall be covered or fenced off at all times.

8. The pile shall not be founded higher than the levels shown on DRG 4313 sheet 5 unless approved by the designer.

9. Refer DRG 05D-4313 sheet 5 for additional notes and instructions to the contractor.

Steelwork Notes:

3. The contractor shall submit a separate steel certification confirming that all welding works have been performed and certified by a qualified welding inspector or engineer according to the Australian Standard HDAS and AS/NZS 1554.3. The certification shall be attached to the contract documents for Record purposes.

4. All steelwork shall be hot dip galvanized in accordance with AS/NZS 4680 after fabrication. Protective coating system and surface finish for structural elements as follows:
   2. VMS Castled Frame - (a) Hot Dip Galvanized to HDAS Specification in AS/NZS 2312
      (b) Powder Coat in White Photo, Powder Coating to last 10 years. Preheat hot surfaces as per AS/NZS prior to powder coating.

5. The steelwork fabrication contractor shall prepare and submit detailed fabrication drawings to the engineer for approval prior to commencing work. Allow minimum 10 working days for engineer's approval.

Prior to commencing work, the steelwork fabrication contractor shall verify all design detailing information on site. The support post shall be located concentrically over the footing.

7. Unless noted otherwise on the drawings, the steel shall comply with the following:
   - Hot rolled steel sections - Grade 500 to AS/NZS 1554
   - Hot rolled steel plate - Grade 300 to AS/NZS 1557
   - Square and rectangular hollow sections - Grade 350 to AS/NZS 1563
   - Circular hollow sections - Grade 350 to AS/NZS 1563

8. Carry out welding in accordance with AS/NZS 1554 and AS/NZS 1557.

9. Bolts at splice connection shall be Grade 8.8/7 high strength structural bolts, nuts and washers to AS/NZS 1552
   a) - Denotes solid head.
   b) - Denotes round head bolt, nut, and washer.
   c) - Denotes forged joint bolt, nut, and washer.
   d) - Denotes friction grip bolt, nut, and washer.
   e) - Denotes friction grip joint bolt, nut, and washer.

10. The bolt type and tightening procedure are designated: Nominal size, grade of bolt, and tightening procedure (e.g., 8.8/7 @ 600N)

11. U.N.O., on the drawings, hot dip galvanized bolts, screws, nuts and washers to AS 1214, tap nuts to suit galvanized threads and oil for protection. Install washers under bolt head and nut.

12. Friction grip bolts shall be tightened to the forces specified using methods described in MBT 800. SLP factor assumed for friction type bolts of 0.35.

13. Ensure members are connected at connections (gravity or cause load to intersect) U.N.O.

14. Steel members shall be made from whole lengths.

15. Provide vent/strain holes in accordance with AS/NZS 1554 as required. Vents and strain holes are to be detailed on the workshop drawings for approval by the engineer. All vent/strain holes are to be sealed with approved plastic plugs prior to delivery of the steelwork to site.

Structural Design Certification:

This structure is designed and structurally certified by the Brisbane City Council Structural Design Branch.

A3 Sheet Version 3.0

Date: [Current Date]

Brisbane City Council Standard Drawing

VMS Support Structure
Type: BCCVB - Notes

Sheet 2 of 5

Version: A3

Not to Scale