Bored Pile Notes:
1. Material and Workmanship of bored piles are to be in accordance with AS1186.
2. Bored piles shall be located in the positions shown on the project drawings, within the following tolerance (wherever 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 25mm per metre.
3. The Contractor shall determine the required for a temporary or permanent liner for the pile bore prior to excavation. The pile length shown in the table in DPC BSD-4312 Sheet 3 is the length connecting below the bottom of the permanent liner.
4. Bottom of pile is to be cleaned before compacting by the Contractor to the satisfaction of a registered geotechnical engineer (RGE) approved by the Contractor.
5. Concrete shall be placed as soon as possible after drilling and approval has been given, through a suitable length and diameter delivery pipe and shall be compacted as specified in AS1379.
6. Bored holes shall be kept free of water at all times by draining and pumping if necessary, particularly prior to concrete placement. Concrete shall not be placed in water unless approved by the Designer. The top of the hole shall be properly covered to prevent surface water or rainfall from entering the hole.
7. Safety precautions shall be taken to avoid injury to personnel. The unattended hole shall be covered or fenced off at all times.
8. Pile shall not be founded higher than the levels shown on DPC BSD-4312 Sheet 5 unless approved by the Designer.
9. Refer DPC BSD-4312 Sheet 5 for additional notes and instructions to the Contractor.

Hold Down Bolt Notes:
1. Each Exploded View Projection shall include with one hold down bolt nut (one half height lock nut), one leveling nut and two flat washers as shown in the details on the drawings. All nuts shall be 900M4 стандарт and shall comply with AS1186. All other washers shall be Grade 305 bolts and nuts to be hot dip galvanized to AS1214 and washer hot dip galvanized to AS13560.
2. The location of the bolts shall be confirmed by on-site measurement before concrete placement.
3. All hold-down bolts shall be Grade 4.6/5 unless otherwise noted.
4. Hold-down bolts and all other metallic cast-in items are not to be in contact with the steel reinforcement.
5. The cast-in position of the bolts shall be coated with happy Hindley HT (3.0mm dry film thickness), immediately prior to concrete placement.
6. Base plate shall be coated using good quality primer, self-leveling, non-shrink grout ("grout") super-grip 60 or equivalent) having a minimum characteristic compressive strength f'c=60 MPa. The Contractor shall ensure that the bolt is fully encapsulated with grout.

Steelwork Notes: (Continued)
3. The Contractor shall submit a separate NQ 207 certification confirming that all welding works have been performed and certified as complying with AS1554 by a qualified welding inspector from the Contractor, to the Superintendent for approval prior to the steelwork being galvanized.
4. All steelwork shall be hot dip galvanized in accordance with AS1554 after fabrication. Protective coating system and surface finish for structural elements as follows:
   • VMS support post = Hot dip galvanized to ISO1110 plugged in AS1214.
   • WMS cantilever frame =
     - (1) Hot dip galvanized to ISO1110 plugged in AS1214
     - (2) Powder coated in matte black, powder coating to last minimum 10 years. Pre-treat MSS surfaces as per AS2550 prior to powder coating.
5. The Steelwork Fabrication Contractor shall prepare and submit fabrication drawings to the Engineer for approval prior to commencing work. Allow minimum 10 working days for Engineers Approval.
6. Prior to commencing work, the Steelwork Fabrication Contractor shall verify all design and fabrication information on site. The support post shall be located concentrically over the footing.
7. Unless otherwise stated on the drawings, the steel shall comply with the following:
   • Hot rolled steel sections - Grade 305 to AS1554
   • Hot rolled steel plate - Grade 305 to AS1556
   • Square and rectangular hollow sections - Grade 305 to AS4100
   • Circular hollow sections - Grade 305 to AS4100
8. Carry out welding in accordance with AS1554 and AS 13560. All welds shall be complete penetration butt welds U.O.D. Unless to be Category 3. Butt welds as shown on the drawings shall be complete penetration U.O.D. Unless otherwise indicated. Electrodes to be classification ENiCO U.O.D. pre-approved to AS1554.
9. Extent of field inspection and testing to be as per WRTAS.
10. Bolts at gusset connection shall be grade BS 438 high strength structural bolts, nuts and washers to AS/NZS1252.
11. - Denotes single row
12. - Denotes double row
13. - Denotes single bolt joint bolt fully tensioned
14. - Denotes friction bolt joint (contract specifics of connections to be agreed).
15. The bolt type and tensioning procedure shall be determined by the Contractor. The specified size, strength grade / tightening procedure, e.g. BS 438 grade 4.6/5 in 4.0 dia, metric high strength structural bolts, fully tensioned in friction mode.
16. U.O.D., on the drawings, hot dip galvanized bolts, screws, nuts and washers to AS1214 and screws to suit galvanized threaded and oil for protection. Install washers under bolt head and nut.
17. Friction grip bolts shall be tensioned to the forces specified using methods described in WRTAS. Spring factor assumed for friction type bolts of 0.35.
18. Ensure friction bolts are concentric at connections (gravity or cause lined to intersect) U.O.D.
19. Steel members shall be made from whole lengths.
20. Provide anchor bolts in accordance with AS1554. The anchor bolt holes are to be detailed on the workshop drawings for approval by the Engineer. All anchor bolts are to be sealed with approved plastic plugs prior to delivery of the steelwork to site.