

Technical Specification — Civil Works

EARTHWORKS, CONCRETE & DRAINAGE

1. Scope

This specification covers the supply of all labour, plant, materials and supervision necessary to complete the civil works for the Berth 4 Wharf Upgrade, including bulk earthworks, structural concrete, in-situ drainage and reinstatement.

2. Standards

- AS 3600 — Concrete Structures
- AS 3798 — Guidelines on earthworks for commercial and residential developments
- AS 1289 — Methods of testing soils for engineering purposes
- Principal's Project Requirements, Rev 3

3. Earthworks

All fill shall be placed in maximum 300mm loose layers and compacted to not less than 95% Standard Maximum Dry Density. Density testing at a minimum frequency of one test per 500m² per layer.

4. Concrete

ELEMENT	GRADE	COVER	SLUMP
Wharf deck	N50	50mm	100 ± 20mm
Pile caps	N40	65mm	80 ± 20mm
Blinding	N20	—	—

5. Inspection & Hold Points

Hold points apply prior to each concrete pour. The Superintendent shall be given 24 hours' notice. Refer to the project ITP for witness and hold point detail.