

Earthworks

Soil Stabilisation

Site Remediation



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Date: July 2025

Project: Southeast Commercial Development

Client: Private Commercial Unit Developer

Process: Cut and Fill Earthworks – **20,000m³**

Bulk Fill Treatment of placed material to achieve >5.0% CBR (50Mpa) – **15,000m³**

Capping and Subbase Replacement Stabilisation to achieve >30% CBR (150Mpa) – **22,000m²**

Duration: 6 weeks



Bulk Fill Modification and Improvement

Modification and improvement involve reducing the high moisture content found in materials that are deemed unacceptable. By lowering the moisture levels, these materials can be rendered suitable for use. This process allows for the efficient and economical excavation, placement, and compaction of general or engineered fill.

Capping and Subbase Stabilisation

Stabilisation refers to the method of mixing soil with hydraulic binders and water. This process significantly alters the soil's characteristics, resulting in a product that possesses long-term strength and durability. The improved material is therefore better equipped to withstand the demands of construction and use over time.