

CUTTER SOIL MIX

Cutter Soil Mix (CSM) technology is the latest generation of soil mixing techniques which injects and mixes binding agents (generally cement) with the aid of water and air with in-situ soils to produce a final hardened product. Once cured, these mixed soils are capable of retaining soils and water for deep excavations, environmental cut-off walls or carrying structural loads from roads, embankments, tanks or other movement sensitive structures.

The CSM system is ideally suited to granular soils but can also be constructed through clays and some lower quality rock.

Advantages

Cost effective.

Very quick and precise construction.

The in-situ soil is used as a construction material.

Very little generation of spoil (important factor in contaminated areas).

No vibrations induced during construction.

Specifications

Trench thickness can range from 640mm to 1200mm.

Minimum length of 2.8m.

Trench depth can range up to 43m.

Rig weight may range from 130t to 170t.



PROJECT

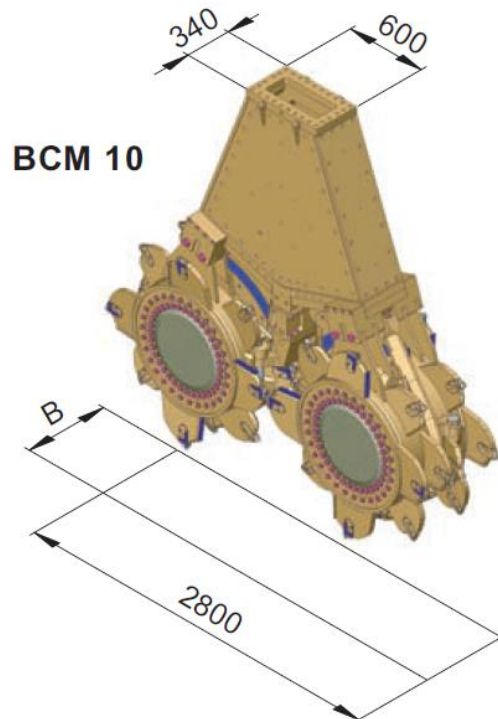
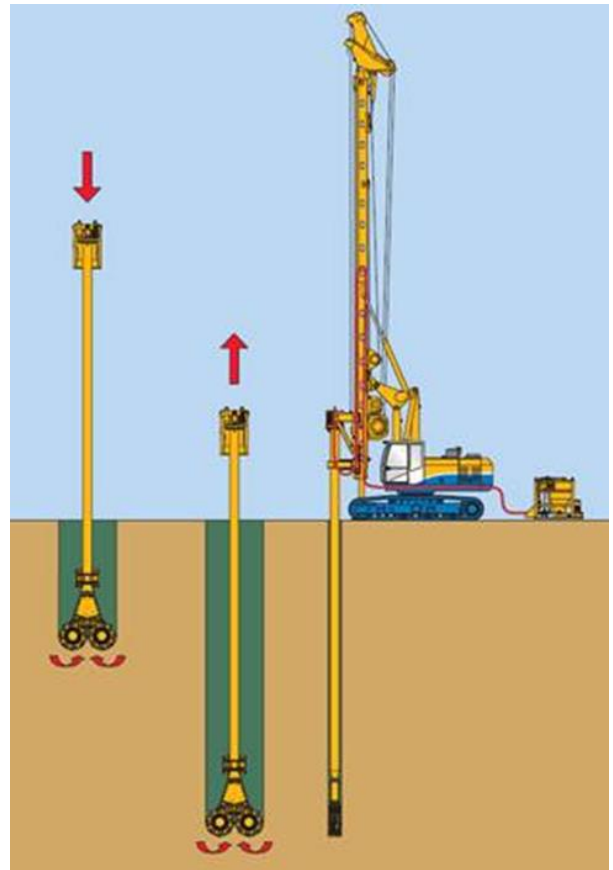
Perth City Link, WA.

PROJECT OUTLINE: Perth City Link, formerly known as the Northbridge Link, is a collaborative project funded by three tiers of Government and led by EPRA and the Public Transport Authority (PTA). The PTA's \$609 million (\$360 million Rail and \$249 million Bus stage) transport infrastructure work at and around Perth Station is the catalyst to bring Perth City Link's vision to life.

AVOPILING SCOPE OF WORKS:

- Construction of rectangular cutter soil mixing panels above the existing New Metro Rail Tunnels on the area of 750m² and depth of 8.5 m.
- Construction of contiguous wall consist of 600mm dia. CFA piles in Child care Centre.
- Construction of Bored piles in Barrack Street.
- Jet Grouting – 128 No. 700mm dia. 10.5m deep and 4 No 1200mm dia. 10.5m deep.

<http://www.youtube.com/watch?v=w1iXIjLEfes>



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