
SINGAPORE



SINGAPORE MRT North East Line Extension - Contract 705

SCOPE OF WORKS: Diaphragm wall for 2 stations (BOON KENG and SENNETT) and Cut and Cover tunnel north of Sennett Station (Design and Construction)

CLIENT :

L.T.A.
Land Transport Authority of Singapore

MAIN CONTRACTOR :

KSM JV
KUMAGAI, SEMBAWANG, MITSUI JOINT VENTURE

ENGINEER :

Robert Benaim and Associates (London)

PROGRAMME :

January 1998 - March 1999

CONTRACT VALUE :

89 MF

MAIN EQUIPMENT :

4 excavation rigs

QUANTITIES :

Boon Keng Station

Diaphragm wall 800 mm thick : 9 130 m²
Diaphragm wall 1000 mm thick : 4 640 m²

Sennett Station

Diaphragm wall 800 mm thick : 7 444 m²
Diaphragm wall 1000 mm thick : 5 792 m²
Diaphragm wall 1200 mm thick : 1 978 m²

Cut and Cover Tunnel

Diaphragm wall 1000 mm thick : 5 811 m²
Diaphragm wall 1200 mm thick : 11 430 m³

Whole of :

46 200 m² diaphragm wall
45 500 m³ concrete
5 860 T steel

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