



Zero Clearance Method



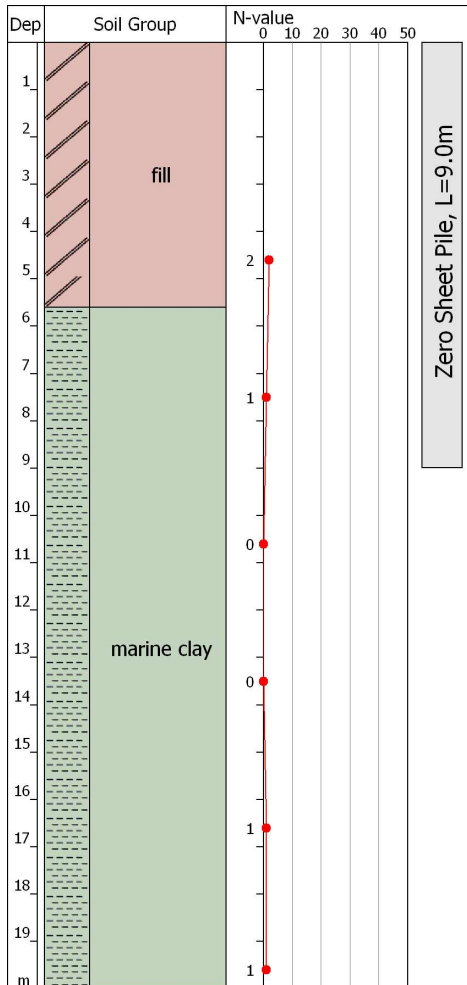
Zero Sheet Pile Press-in Method

GRB System

Narrow Access Method



Project Name	Improvement to Macpherson Road and Rose Lane Outlet Drains
Purpose of Piling	Drainage Work
Location	SINGAPORE
Employer	Public Utilities Board (PUB)
Main Contractor	Gim Tian Civil Engineering Pte. Ltd.
Piling Contractor	CS Construction & Geotechnic Pte. Ltd.
Duration	November 2010 to December 2010
Press-in Machinery	Zero Piler JZ100, Clamp Crane CB1A, Pile Runner PR-1
Pile Section & Length	Zero Sheet Pile, L=9.0m, N=349
Features & Remarks	It is not necessary to demolish adjacent walls, because sheet piles are installed with zero clearance to the existing structures. No negative environmental impact such as noise and vibration. All piling work is systematically carried out from the top of fully installed piles.



N-value over 50 is converted figure.