

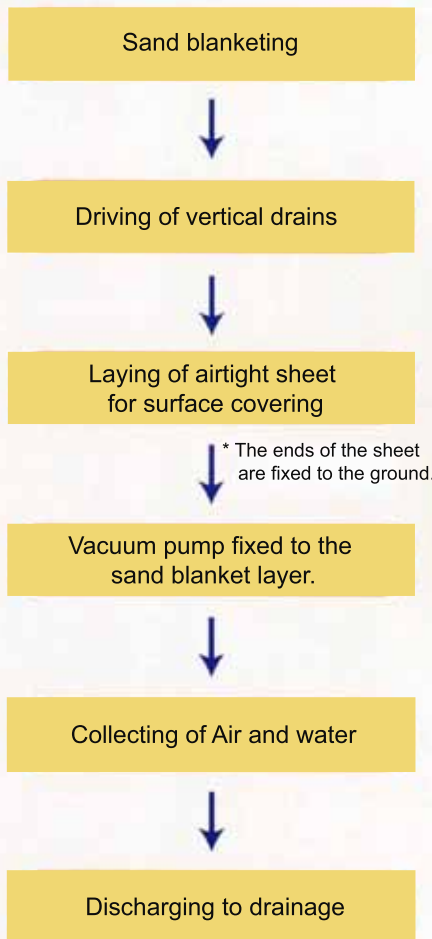
Atmospheric Pressure Loading Method

The Atmospheric Pressure Loading Method uses atmospheric pressure, instead of surcharge fill for load consolidation. The method requires the covering of the ground surface with an airtight sheet to produce negative pressure with the ground by utilizing a vacuum pump. Normally, the amount of negative pressure load reaches to 50 to 80² kN/m .

Features

- ★ Conveniently adoptable in case of scarcity in the supply of soil and sand for filling.
- ★ Ground erosion can be avoided due to non-filling activities.

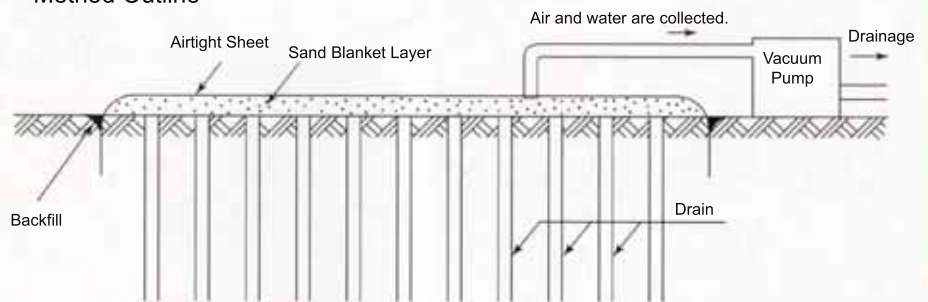
Working Procedure



Equipment to be Used



Method Outline



Completed Projects Record

Project Name	Duration	Project Site	Client	Soil to be Handled	Execution Outline
Chubu Electric Power Co. Taketoyo Thermal Power Station	64.10~65.1	Aichi	Chubu Electric Power Company	Cohesive soil	Paper drain pitch: 0.76 m; Improvement area: 790 m ²
Tomei Superhighway Yaizu Foundation Ground Stabilization Experiment Work	66.3~66.8	Shizuoka	Superhighway Corporation	Humic soil Cohesive soil	Paper drain pitch: 0.76 m; Improvement area: 790 m ²
Soil improvement Work for Removal of Australian Establishment	71.8~72.2	Mie	Pollution Prevention Corporation	Reclaimed silt layer	Paper drain pitch: 0.76 m; Improvement area: 790 m ²
Ichikawa Distribution/Processing Base Ground Improvement Work	74.4~74.10	Chiba	Nippon Kokan K.K.	Reclaimed silt layer	Paper drain pitch: 0.76 m; Improvement area: 790 m ²