

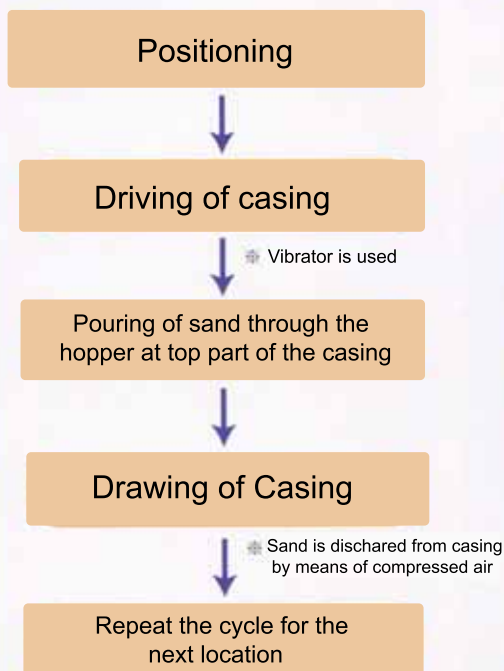
Sand Drain Method

The Sand Drain Method aims to accelerate consolidation settlement of the ground and strengthen its stability by perpendicular sand drains and surcharge fill. This method uses a special machine capable of driving 1 to 12 drains simultaneously.

Features

- ★ Sand to be used has a coefficient of permeability about 10^{-2} cm/sec. Ensures improvement of ground consolidation with sand mat
- ★ Soil to a depth of -60m in the sea can be improved using special sand drain driving pontoon
- ★ Usable for soil improvement on both land and sea as lots of projects have been completed

Working procedure



Equipment to be Used



Sand Drain Driver (Crawler Crane Type)



Sand Drain Driving Pontoon

Completed Projects Record

Project Name	Duration	Project site	Client	Objective	Drain Length / Depth / Soil Volume
Kumamoto Port Wharf site preparation	88.9~89.3	Kumamoto Pref.	Kumamoto Pref.	Consolidation acceleration and increase ground strength	127,700m / 35.0m / 26,110m ³
Tokyo Airport ground improvement work	92.4~94.10	Tokyo	Transport Ministry	Consolidation acceleration and increase ground strength	509,000m / 28.0m / 7,600,000m ³
Ujina inner port construction work	93.7~94.3	Hiroshima City	Hiroshima Pref.	Consolidation acceleration and increase ground strength	161,000m / 25.0m / 1,006,000m ³
Ishinomaki Port Reclaimed Area "A" ground improvement work	96.7~97.3	Miyagi Pref.	Miyagi Pref.	Consolidation acceleration and increase ground strength	165,000m / 30.0m / 982,000m ³