

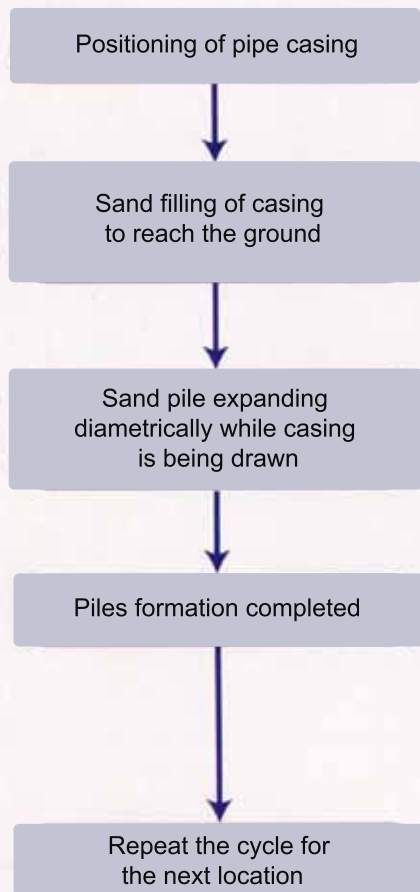
Sand Compaction Pile (SCP) Method

The Sand Compaction Pile (SCP) Method improves the soft ground by driving sand piles and expanding diametrically by means of casing.

Features

- ★ When used in sandy ground, the N-value rises and prevent liquefaction resulting from an earthquake.
- ★ Raises the safety factor against Swedish breakage as sand piles driven in a soft clayey ground.

Working Procedure



Equipment to be Used



Working Vessel at Sea



Land-based Machine

Completed Projects Record

Project Name	Duration	Project Site	Client	Objective	Piling Length/ No. / Volume of Treated Soil
Minami Honmoku Wharf Construction Work	90.9~90.12	Yokohama	Yokohama City	To increase strength of revetment foundation ground	30.0m/5,400pcs/58,400m ³
Nanao Ota Thermal Power Plant Work	91.2~94.6	Ishikawa	Hokuriku Electric Power Company	To increase strength of revetment foundation ground	7.5m/7,510pcs/136,800m ³
Otake Port Repair/ Building Work	95.3~95.8	Hiroshima	Hiroshima Prefecture	To increase strength of quaywall foundation ground	22.5m/6,470pcs/115,300m ³
Maya Quaywall Building Work	95.5~97.2	Kobe	Transport Ministry	To increase strength of quaywall foundation ground	20.0m/6,980pcs/148,500m ³
Tokyo Airport Runway Ground Improvement Work	97.10~99.3	Tokyo	Transport Ministry	Measure to counter liquefaction of runway	13.0m/6,630pcs/430,500m ³