

PACLAY

Paclay is a method using geo-textile bags (2m in width and 2m in length) filled with clay in the form of slurry mixed with a solidifier.

The bags as ground material are piled up on a rubble mound foundation or along the revetment of backfill to prevent sediment leakage.

It can be piled up on the seabed and used as underwater fill material of submerged dyke.

Features

- ★ The work method is safe and reliable without requiring manpower for bags piling up.
- ★ Sediment leakage prevention work is reliable at a very deep area (deeper than 20m) exceeding the limit for diving operation.
- ★ Surplus soil from construction site as well as dredged material can be used effectively.
- ★ Effective in reducing earth pressure when used behind the revetment
- ★ Turbidity can be controlled to the lowest possible level due to sealing effect of the bag.

Working Procedure



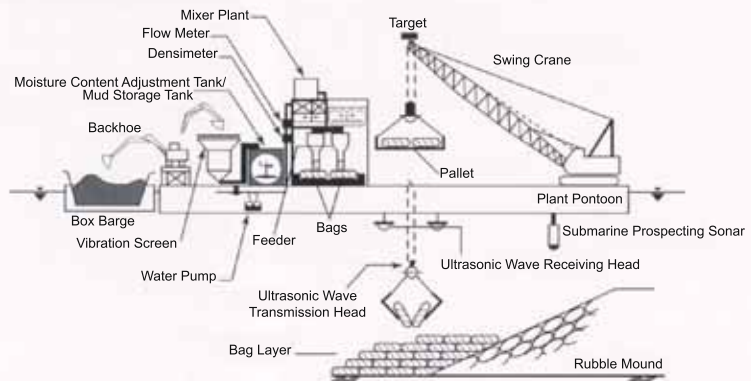
Equipment to be Used



Feeding of Solidifier Mixed Slurry



Bag Thrower



Process System

Completed Projects Record

| Project Name | Duration | Project Site | Objective | Volume of Treated Soil | Strength after Improvement |
|---------------------------------|----------|--------------|-----------------------|------------------------|----------------------------|
| Field Test of Anti-Leakage Work | 94.7 | Yokohama | Prevention of Sucking | 900m ³ | qu=300kN/m ² |