

16. Lateral flow control for revetment

Method of controlling lateral flow of the ground by means of seismic retrofit applying steel material either at hinterland or in front of revetment.

Method of seismic retrofit applying steel sheet piles, steel pipe sheet piles and other steel materials as a measure to control lateral flow of the ground which occurs with liquefaction etc, in an earthquake at revetment

1. The case applying steel material at hinterland

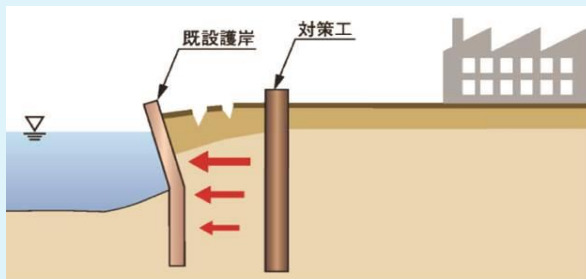
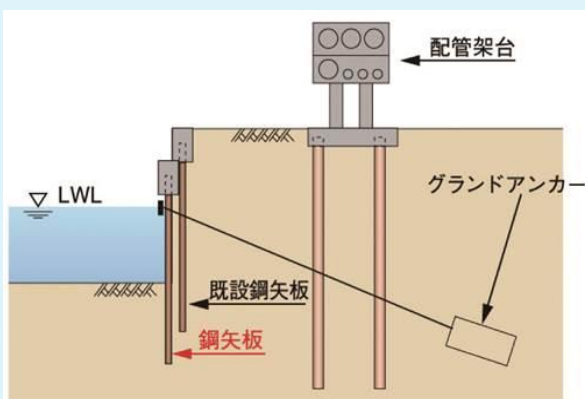
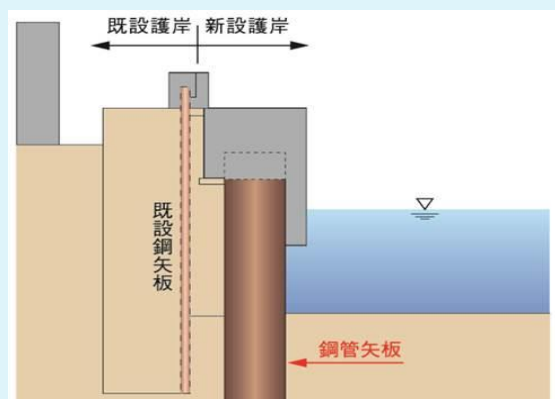


Image of retrofitting

2. The case applying steel material in front of revetment



An example applying steel sheet piles



An example applying steel pipe sheet piles

Applicable sector

Revetment

Disaster
Prevention

Standard Condition of application

- Water depth ··· ~ Approx. 10m
- Location ··· Coast, River
- Type of Existing foundation ··· Gravity, Piled

For other conditions than the above, please contact the company stated below.

Feature

■ Rapid construction

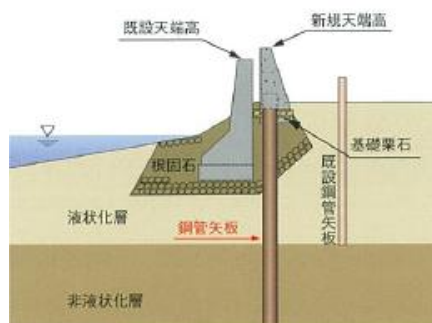
Utilizing hinterland space makes easy construction

■ Preservation of existing structure

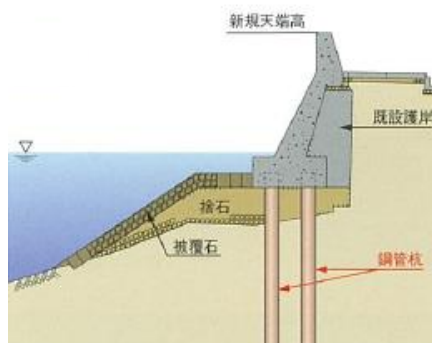
Both modification of existing structure and large alteration of berth line is unnecessary

■ Effective in combination of other purpose

Combination with countermeasures against flood tide or anti-aging is also possible



An example combined with flood tide countermeasures



An example combined with anti-aging countermeasures

Track Record

Overseas : Unknown

Japan : 5~10 cases

Cost

To get information, please ask the contact shown below.

Contact

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