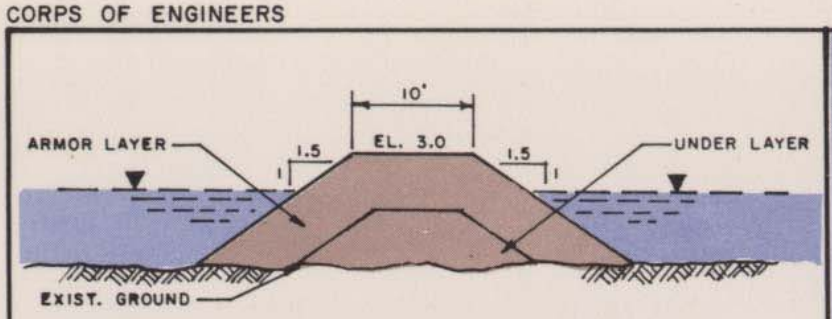
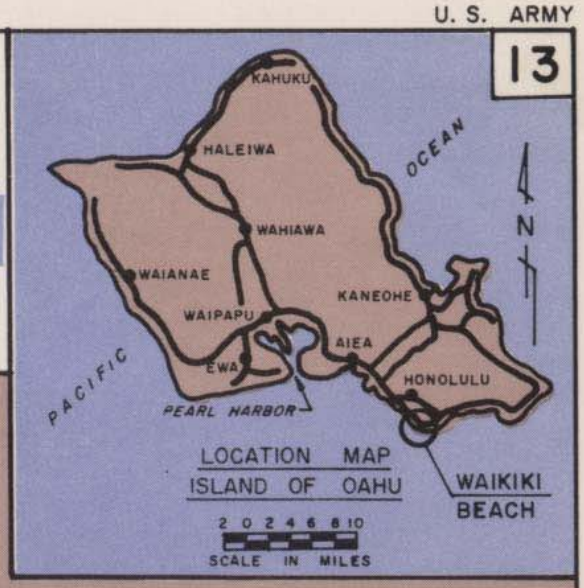


TYPICAL GROIN SECTION



BEGINNING OF PROJECT

COMPLETED

EXTEND COMBINATION CULVERT AND GROIN

GROIN

GROIN

CRIB WALL

COMPLETED

PACIFIC OCEAN

N

KAPAHULU AVE.

STORM DRAIN

EXISTING GROIN

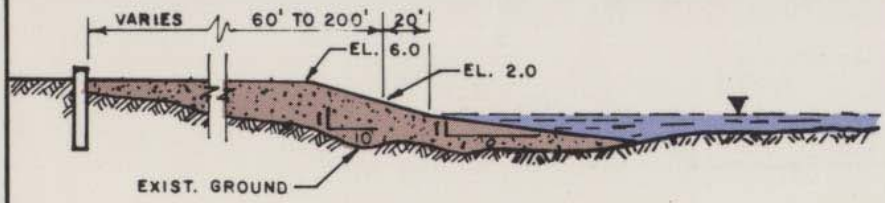
MONSARRAT AVE.

GROIN

KALAKAUA AVENUE

GROIN

END OF PROJECT



BEACH FILL

BEACH EROSION CONTROL
WAIKIKI BEACH
OAHU, HAWAII

REVISED 30 JUN 1974

500 0 500 1000
SCALE IN FEET

U. S. ARMY
ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS