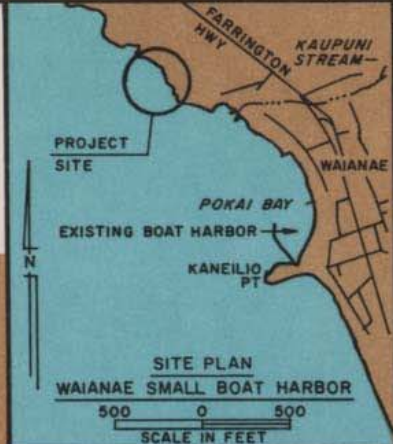


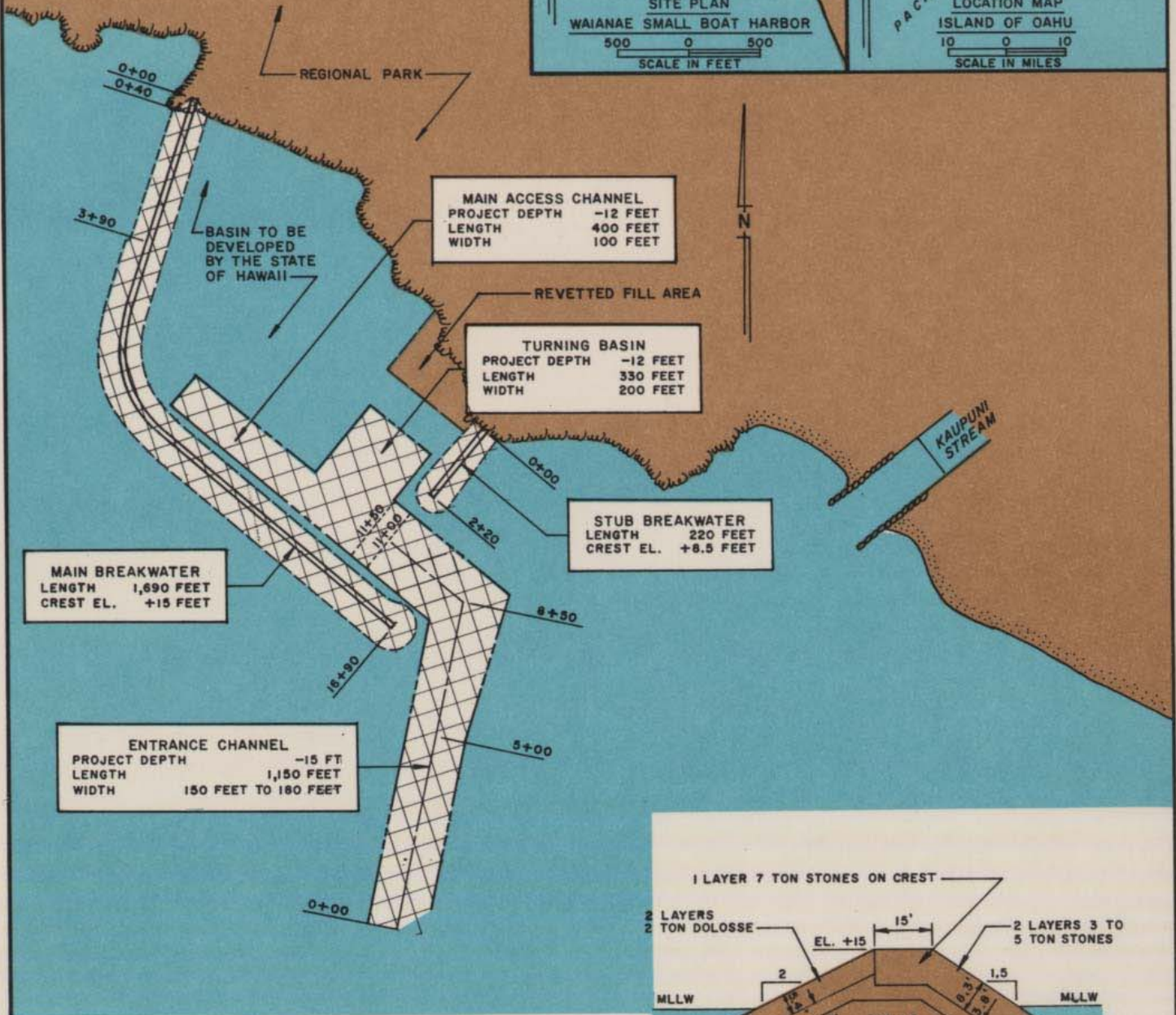
STUB BREAKWATER



SITE PLAN  
WAIANAE SMALL BOAT HARBOR  
SCALE IN FEET



LOCATION MAP  
ISLAND OF OAHU  
SCALE IN MILES



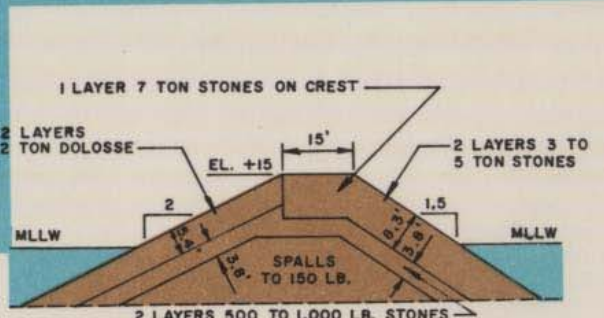
MAIN ACCESS CHANNEL  
PROJECT DEPTH -12 FEET  
LENGTH 400 FEET  
WIDTH 100 FEET

TURNING BASIN  
PROJECT DEPTH -12 FEET  
LENGTH 330 FEET  
WIDTH 200 FEET

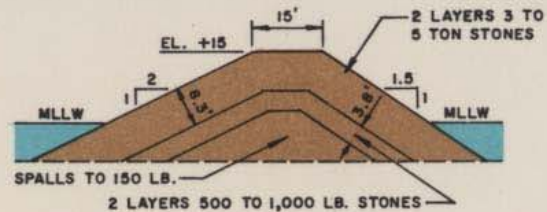
STUB BREAKWATER  
LENGTH 220 FEET  
CREST EL. +8.5 FEET

MAIN BREAKWATER  
LENGTH 1,690 FEET  
CREST EL. +15 FEET

ENTRANCE CHANNEL  
PROJECT DEPTH -15 FT  
LENGTH 1,150 FEET  
WIDTH 150 FEET TO 180 FEET



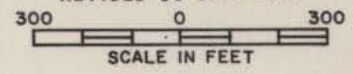
MAIN BREAKWATER  
3+90 TO 16+90



MAIN BREAKWATER  
0+40 TO 3+90

WAIANAE SMALL BOAT HARBOR  
OAHU, HAWAII

REVISED 30 SEPT 1976



U. S. ARMY  
ENGINEER DISTRICT, HONOLULU  
CORPS OF ENGINEERS