

LOCATION
Lenmoore, CA

CLIENT
Kelly Slater Wave Company

PROJECT TEAM
KSWC - Project Management

PECK Structural - Equipment and building
structures

TYPE
Commercial Facility

SIZE
25 acres +

YEAR COMPLETED
2017

PECK STRUCTURAL

SURF RANCH

PECK worked closely with the Kelly Slater Wave Company to develop several key components of the installation of this unique and groundbreaking engineering feat.

We designed the main control house structure, the access stairs, equipment barn, the main winch house and secondary winch house foundations as well as the winch anchorage systems for the components that drive the wave generation Bogie. Forces on the Winch cable are in excess of 135,000 lb. The equipment weight is approximately 70,000 lb.

We designed the access stairwell to cross the berm to the control and observation deck, as well as the support offices and reception areas.

We also consulted with the KSWC regarding the foundation system for the guide structures, the anchorage of the liner, and the protection of the berms from scour, wave action and hydrodynamic forces.

