

Project Name

Kona International Airport - Wastewater Lift Station, Keahole, Hawaii

Client / Owner

State of Hawaii, Department of Transportation

Year Completed

2005

Project Description & Firm's Responsibility

The State Department of Transportation, Airports Division, plans to consolidate general aviation activities at Kona International Airport to a central location. Engineering Concepts, Inc. was contracted by another engineering firm to assist in the preparation of construction documents for a sewage lift station and force main.

Work included the preparation of schematic drawings and an engineering report identifying the design criteria for a sewage lift station. Construction plans, specifications, and cost estimate were prepared for two submersible pumping units, including one standby unit, and a 4-inch force main. The design capacity is 110 gpm. Auxiliary features include a removable portable hoist assembly and emergency power connection to a mobile electric generator.

