

NEWS RELEASE



DEPARTMENT OF
ENVIRONMENTAL SERVICES
CITY AND COUNTY OF HONOLULU

FOR IMMEDIATE RELEASE

Sept. 28, 2011

WAANAO SEWER PROJECT RECEIVES ASCE AWARD

(Wed., Sept. 28, 2011) – The City and County of Honolulu received the American Society of Civil Engineer’s Hawaii Section 2011 Outstanding Achievement Award in the Water/Wastewater/Environmental Projects category for its Waanao Road/Keolu Drive Reconstructed Sewer Project.

The \$47 million project involved the installation of approximately 15,000 lineal feet of new sewer pipes, by-pass lines and connections to the existing collection system from Akahai Street to the Kailua Heights Pump Station along Keolu Drive and Waanao Road in Kailua.

The new 8” to 36” replacement lines included a crossing under the Kawainui Canal and an inverted siphon that crossed underneath the Kaelepulu Stream. To minimize impacts to the Enchanted Lake Shopping Center, nearby businesses, a school, a densely populated residential area and the environment, several innovative trenchless construction methods were incorporated including microtunneling, mini-microtunneling, Horizontal Directional Drilling and jet grouting throughout the installation.

To avoid corrosion problems, the project also incorporated new long lasting materials such as fusible PVC pipe. The project was also selected to be sent on to compete for an ASCE National Award.

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