

## Case Study

# Aquatic Solutions builds custom residential pool for the Cavanaugh family at Poipu Beach in Kauai, Hawaii

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**In 2014, Aquatic Solutions Hawaii constructed an inground pool and spa and tied the decking to create a patio adjoining the residence.**

### The Client

Located at Poipu Beach, Kauai, Hawaii on the southern side of the island, the Cavaughns enjoy some of Hawaii's most spectacular scenery and beautiful beaches.

### The Challenge

The pool and spa project needed to blend with the relatively pristine environment of the area as well as the home's architectural elements. Kauai is the most lush - and least developed - of Hawaii's 4 major islands, with a richly fertile interior and rugged cliffs in the northwest offsetting white beaches along the north and south coasts.

### The Process

- 1) After the site excavation, the pool and spa forms take shape. This is the "metal" stage of the pool construction and forms the pool's skeleton.
- 2) The pool's structure starts to become a reality when the gunite is poured and formed showing the stairs, pool shape and spa area.
- 3) Once the gunite is cured, the supporting forms are pulled and the walls are backfilled with earth. The project is being prepared for the coping, tiling and decking.
- 4-6) These images show the final stages of the pool construction, particularly the pool and patio decking and tile work in and around the pool.

### Result

We accomplished this project in four weeks - on time and on budget.

**D**esigning and building a pool for your home is an exciting project.

*Aquatic Solutions Hawaii can assist you with this exciting challenge by working directly with your designer, engineer or architect. Or, we can help you find these resources.*

*Please find a complete step-by-step guide to planning and building an inground pool on our website. We are always available for a free consultation.*