

## **ALLAN SCHILDKNECHT**

Irrigation Design Consultants  
8251 Chisolm Plantation Road  
Edisto Island, SC 29438  
Tel: (808) 722-1993  
Email: [irrighi@gmail.com](mailto:irrighi@gmail.com)

**Golf, Resort, Commercial, Irrigation Design Consultants**  
Serving the Landscape Industry since 1984  
Certified Irrigation Designer #340384

Allan Schildknecht is an internationally recognized irrigation consultant, established at the request of Architects and Professional Landscape Managers in order to meet the world's growing needs through cost effective irrigation design. Through our full-time commitment in the unique field of Irrigation Consultation, it can provide you with the most up-to-date methods and technology, resulting in savings to the client.

Originally founded in 1984 as a sole proprietorship, it was incorporated in 1993 as a family-owned corporation, based out of Hawaii. Today, located in South Carolina and once again a family operated sole proprietorship dedicated to personal service tailored to meet our client's individual needs. Over the years we have provided irrigation design and consultation services in 40 different states and 29 countries around the world.

### **KEY PERSONNEL:**

#### **ALLAN G. SCHILDKNECHT, ASLA, CID Irrigation Consultant**

*Years of Experience:* 45 plus

*Training:* University of Wisconsin, School of Soil Sciences, Graduate of Landscape Architecture

*Certification:* Professional Member American Society of Irrigation Consultants;  
Certification Number No. 340384  
EPA WaterSense Partner

*Overall Relevant Experience:* Mr. Schildknecht has worked in the field of landscape and golf irrigation design and consultation for more than 45+ years. Over these years he has worked on project within 40 different States and in 29 different countries around the world. Over the years, Allan has worked on numerous world class golf courses and resorts as well as many municipal, federal and commercial projects. These include the recent renovation of the Mauna Kea Golf Course on the Kohala Coast of Hawaii, the renovation of the Ritz Carlton Residences (formerly the Kapalua Bay Resort), the master planning and most of the construction documentation for the 1,041 acre Kukui'ula resort on Kauai. Our work has also included a fair share of military and municipal work both in Hawaii and elsewhere, including several projects at Pacific Missile Range Facility on Kauai. All projects were designed with water and energy conservation as well as minimizing maintenance in mind.

Mr. Schildknecht was the first independent EPA WaterSense Partner for Landscape Irrigation services located in Hawaii. As a Professional Member of the American Society of Irrigation Consultants, he has served on several of their boards and is currently serving on their Education committee. Allan is a Past President of the Hawaii Chapter of the American Society of Landscape Architects.

Current or Past similar Projects;

**Kukui'ula Resort, Koloa, Kauai, HI** – The 1,041-acre project has been constantly changing as the market place has changed. Originally started by A&B in the late 1980's it moved slowly until 2004 when DMB out of Phoenix teamed up with A&B. Since then we have been involved with the Irrigation and Non-potable water system master plan and are currently involved with the construction documentation and administration of the Hotel, shopping center, employee housing, park, conservation areas and their extensive roadway systems. Role: Irrigation Consultation, Master Planning and Lead Designer.

**Villages at Poipu, Poipu, Kauai, HI** – Working with the Civil engineers and hydrologists we master planned the non-potable system for this 200-acre housing project nestled between Koloa town and Poipu. Phase 1 of the project is currently in construction and irrigation work is slated to begin next month for the roadways, mainline infrastructure and several park areas within the subdivision. Role: Irrigation Consultation, Master Planning and Lead Designer.

**Kukio Bay Beach Club and Resort, North Kona, HI** – Working with Civil engineers, landscape architects and Planners, Irrigation Hawaii provided a master plan for the non-potable system at the Kukio Resort and its additions at Maniniowali Bay and Ka’upulehu Resort. Irrigation Hawaii also provided detailed construction documentation on many of the common areas, including several which were done with Belt Collins – Hawaii. This includes the Ka’upulehu Beach Club which recently won the AIA Merit Design Award for 2009.

**Mauna Kea Golf Course Renovation, South Kohala, HI** - Working with Reese Jones, Belt Collins – Hawaii and Landscapes Unlimited, our team provided the construction documentation for the renovation of the Historic and world famous Mauna Kea Golf Course, originally designed by Reese’s father Robert Trent Jones Sr. This \$10 Million Dollar renovation was the first Golf course in Hawaii to use HDPE piping for both main line and lateral piping.

**Mauna Kea Beach Hotel, Mauna Kea Beach Resort, Kamuela, HI** – Working with Belt Collins – Hawaii in 1995/96 provided the full construction documentation for the landscape and irrigation renovation at the 30-year-old hotel, to include an upgrade to a centralized control system.

**Hapuna Beach Hotel – Mauna Kea Beach Resort, Kamuela, HI** – Working with Belt Collins Civil and Landscape sections, Irrigation Hawaii provide full construction documentation for the new Hotel, golf club house and roadway systems.

**Kohanaiki Resort, South Kona, HI** – Working directly with the owners, we provided a master plan for the resort. We also provided most of the construction documentation for the irrigation system installation which is currently being installed by their in-house staff.

**National Tropical Botanical Gardens – Lawai, Kauai, HI** – Irrigation Master Plan for the 200-acre National Botanical Garden started in 2004 and revised in 2006. Role: Irrigation Master Planning services.

#### **Boards and Committees:**

State of Hawaii, Department of Health to rewrite the Effluent Wastewater Reuse Guidelines in 2013-2015

Landscape Industry Council of Hawaii (LICH) Water Conservation Committee to co-authored the Landscape Irrigation Conservation Best Management Practices 2012 co-published by the State Department of Land and Natural Resources and the Honolulu Board of Water Supply. Was also technical advisor to the LICH Irrigation Water Position Statement in 2011.

American Society of Landscape Architects Hawaii Chapter Executive Committee, President-Elect, President and Past-President 2002 – 2005 and again 2012 – 2017

American Society of Irrigation Consultants – National Education Committee 2007 – 2015

NALP (Formerly PLANET) Irrigation Class Lead Instructor for Honolulu County 2012 - 2015

Additional reference upon request