

## PRESENTATION OVERVIEW

2019 WESTERN CHAPTER ISA  
CONFERENCE & TRADE SHOW

### *Sentinel Landscapes - Pest Detection by Design*

Date/Time/Session: **THURSDAY, 5.02.2019, 9:30:00 AM, in the GENERAL session**

Presentation Length: **45 minutes**

Presented by: **Richard Quinn**

Co-Presenter (if scheduled): **NA**



#### **Overview of Presentation:**

This presentation will explore the concept of Sentinel Landscapes and their potential use in strategic locations for the early detection of invasive pests before pervasive establishment. This innovative concept is a proactive way to monitor and reduce the occurrence of our state highways, plant nurseries, and ports of entry as being vectors for the spread of invasive plants and pests. After interviewing scientists, agricultural specialists, and other experts throughout the state, a list of target invasive species that might threaten Hawai'i's agriculture and urban landscapes was developed and a Basis of Design report was generated that describes the concept, potential implementation, and monitoring methods. This report then guided the design of prototype Sentinel Landscapes. A matrix of location factors was developed, and various potential sites on O'ahu were located and scored based on the matrix factors. Several locations were identified as having the best potential for the installation of Sentinel Landscapes. Through graphic illustrations of the concept, listeners to this talk will gain understanding of Sentinel Landscapes and their potential to proactively reduce the spread of invasive plants, pests, and plant diseases.

#### **Presenter Bio:**

Richard Quinn is a licensed Landscape Architect and Certified Arborist in Honolulu, and is a partner of HHF Planners. He has 35 years of experience with landscape design in Hawai'i and throughout the Pacific. The incorporation of the principles of sustainable and regenerative designs have become an integral part of his design approach. He is on the Board of Parks and Recreation for Honolulu, and a board member of the Landscape Industry Council of Hawai'i.