



Storm Water Pollution Prevention Low Impact Design Installation Initiative
Department of Facility Maintenance



OWNER: City and County of Honolulu

DESIGNER: Sam O. Hirota, Inc.

FACILITY: Ala Wai Golf Course Driving Range

ADDRESS: 404 Kapahulu Avenue, Honolulu, Hawaii 96815

PROJECT TITLE: Ala Wai Golf Course Driving Range Improvements NPDES Small MS4 Permit Program

TMK: 2-7-036:002 & 078

REFERENCES:

1. City and County of Honolulu Stormwater Best Management Practice (BMP) Manual, New and Redevelopment, July 2014.
2. NPDES Permit for City and County of Honolulu, MS4, Small MS4, Industrial Facilities; HI S000002; effective February 16, 2015; Part D.1.e.(1)(iii) which requires management practices prioritized to favor infiltration, evapotranspiration, or harvesting/reuse follow by treat and release practices.

PROJECT SUMMARY:

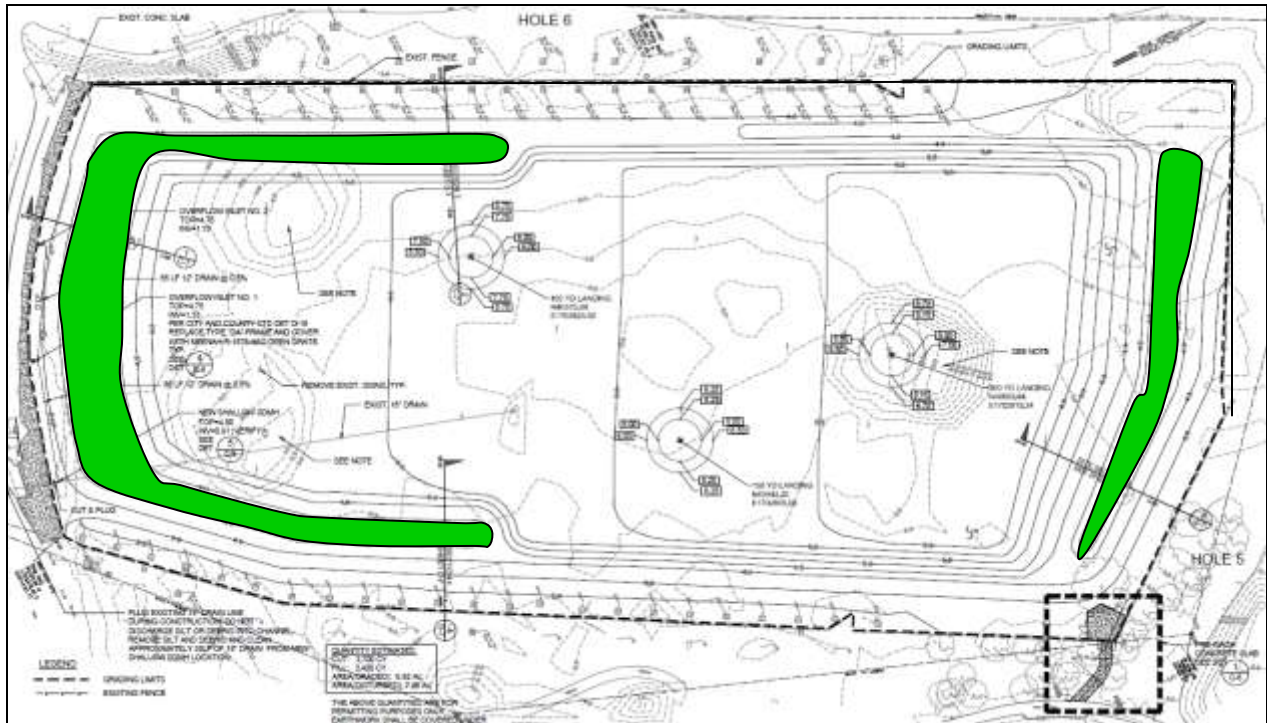
The City and County of Honolulu's improvements to the Ala Wai Golf Course Driving Range included the installation of post construction treatment control BMPs to improve the water quality of the Ala Wai Canal. The treatment controls consists of constructing new detention basins at the northern and southern ends of the driving range. The driving range was re-graded to direct storm water towards these detention basins and re-vegetated to reduce soil erosion. These basins will be used to retain and infiltrate the first inch of storm water thus, allowing sediment and other pollutants to settle out of suspension and be retained on site. Larger storm events will overflow into drain inlets.



Imagery: 2016 Google Maps. Conditions prior to driving range improvement project.



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New driving range with detention basins shown in green.