



Honolulu Low Impact Development (LID) Project
Department of Facility Maintenance



OWNER: City and County of Honolulu
DESIGNER: The Limtiaco Consulting Group
FACILITY: Kapolei Police Station
ADDRESS: 1100 Kamokila Boulevard, Kapolei, Hawaii 96707
PROJECT TITLE: Kapolei Police Station NPDES Small MS4 Permit Program Improvements, 3/12/2014
TMK: 9-1-088:002 and :003

REFERENCES:

1. City and County of Honolulu Stormwater Best Management Practice Manual, New and Redevelopment, July 2014; TC-32 Vegetated Biofilter.
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 design was done prior to the City’s Stormwater BMP Manual for New and Redevelopment dated July 2014 and the new MS4 permit. However, the project included post construction source control and treatment control bmps. A new fuel canopy was constructed as source control to prevent stormwater from coming into contact with fueling operations. Treatment control consisted of 250 lineal feet of grassed infiltration areas downstream of parking areas and supplemented with grated inlet filters. For small storm events runoff from pavements and associated pollutants are retained and infiltrated in the grassed infiltration areas. Rain falling on a portion of the roof is retained and infiltrated in the infiltration trench and grassed infiltration areas fronting the main building.

