



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



OWNER: City and County of Honolulu
DESIGNER: The Limtiaco Consulting Group
FACILITY: Wahiawa Police Station
ADDRESS: 330 North Cane Street, Wahiawa, Hawaii 96786
PROJECT TITLE: Wahiawa Police Station NPDES Small MS4 Permit Program Improvements, 1/28/2015
TMK: 7-4-007:006

REFERENCES:

1. City and County of Honolulu Storm Water Best Management Practice 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:

Low Impact Design is a type of Best Management Practice (BMP) that improves water quality through infiltration, retention and biofiltration of storm water. The lands surrounding Wahiawa Police Station have been redeveloped to incorporate both source control and treatment control BMPs. A refurbished fuel canopy was installed as a source control BMP to prevent pollutants from coming into contact with storm water. Treatment control BMPs installed with this project consists of 800 lineal feet of vegetated swales, roof downspouts directed to landscaped areas, and buffer strips which filter runoff from parking areas and driveways. Storm water is then filtered again through a grated inlet skimmer box fitted in each drain inlet prior to being discharged offsite.

