ATTACHMENT A-2

Quantity of Storm Water Discharge
(*Item C.4 of Form C*)

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C.4 Quantity of Storm Water Discharge

Stormwater flow rates were calculated using the *Rules Relating to Storm Drainage Standards* (City and County of Honolulu, 2000) for drainage areas of 100 acres or less. A storm recurrence interval of 10 years was used to estimate the quantity of runoff.

Table 2-1

Site Number	On-Site Disturbed Area Runoff (cfs)
Waianae Baseyard	5.16
Windward Baseyard	13.61
Total	**18.77**

Table 2-1 summarizes stormwater runoff quantities calculated for each of the 9 project sites (**Tables 2-2** and **2-3** show the values used to determine these runoff quantities). Disturbed areas of the project sites are the parcels currently DOT Baseyards. The disturbed area runoff accounts for the anticipated storage/staging area.

Project Site 1 – Waianae Baseyard

Table 2-2

Description	Runoff Coefficient	Rainfall Intensity (in/hr)	Exposed Area (ac)	Flow Rate (cfs)
On-Site Disturbed Area	0.70	2.09	2.37	**5.16**

Project Site 2 – Windward Baseyard

Table 2-3

Description	Runoff Coefficient	Rainfall Intensity (in/hr)	Exposed Area (ac)	Flow Rate (cfs)
On-Site Disturbed Area	0.80	2.99	2.60	**13.61**

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