

FORM C: ECONOMIC ANALYSIS

(See B11 in tender document)

SPRAY PAD AND PLAYGROUND DEVELOPMENT - CORYDON COMMUNITY CENTRE CRESCENTWOOD SITE

When the spray pad is operating, the expected flow rate will be limited to _____US GPM,
which would result in the daily use of _____cubic metres/day.

Item	Formula	Label	Calculation
Water Management Option			Flow Through
Spray Basin Area incl. overspray area (m. ²)			305
Total Spray Feature Flow Rate (US GPM)		(A)	
Sequencing Factor		(B)	
Design Flow Rate (US GPM)	(A) x (B)	(C)	
Design Flow per Hour (US GPH) (assume 50 minutes per hour operating)	(C) x 50	(D)	
Design Flow per Day (US GPH) (assume 6 hours operating per day)	(D) x 6	(E)	
Operational Days/Year		(F)	60
Water Usage per Season (cu.m.) (1 US gal = 0.00379 Cu.M.)	(E) x (F) x 0.00379	(G)	
Water and Sewer Cost per Season (assume combined rate of \$4.86 per cu.m.)	(G) x 4.68	(H)	
Operating Staff (monitoring), incidentals		(I)	\$4,800.00
Total Annual Operating Cost	(H) + (I)	(J)	