

Surface Flows

Stamford Hotel - 33 Cross Street, Double Bay

071496

10yr 1hr **63** **n = 0.0125**
 C*₁₀= 0.6054
 Fy= **1.05**
 ARI = **20** years
 I_{5min} = **213** mm/hr

Pit	Total Area	% Impervious	C	Pit Inflow	Additional Flow Due to Climate Change (10% extra)	Pipe Diametre	Pipe Grade	Pipe Capacity
					L/s			
Outlet	3300	100%	0.95	184.5	203.0	375	1.50	223.32
TOTAL	3300			184.5				

SITWORKS LEGEND

- F22.20 Finished surface level
- F22.00 Finished contour
- Suspended pipes at 1% fall min u.o.
- Stormwater pit, flow direction and line with
- IL10.00 Invert level upstream
- 600 # 2" Pipe size and class
- 1.25% Pipe grade
- Q=345 L/s Flow (Litres per second)
- IL9.85 Invert level downstream
- GD Grated drain
- Subsoil drainage line (100 dia)
- FP Flushing point
- Stormwater line with pipe taper and flow direction
- Overland flow path



Rev	Description	Eng	Draft	Date
P2	ISSUE FOR APPROVAL	HB	EH	04.02.09
P1	ISSUE FOR APPROVAL	HB	EH	02.02.09

Project
STAMFORD HOTEL
 33 CROSS ST
 DOUBLE BAY

Sheet Subject
STORMWATER CONCEPT PLAN

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Scale: A1
 1:200

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PRELIMINARY

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