APPLE ENGINEERING

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Project No. 26114

Sheet No. SK10 | Rev.

Date:

Designer:

Project: 2 No° Residential Plots off Forest Way Holbeach PE12 7FE

Pevious Infiltration Rate = 3E-06 m/s.

Soakaway Designed For A 10 Year Storm of 60 Minute Duration

Check The Following Soakaway Dimensions

Polystorm Crate		Number	Total Lengths	Half Effective
Width	0.5	5	2.5	
Length	1	4	4	
Depth	0.4	1	0.4	0.2

Internal Surface Area - Not Including Base (50% Depth)

12.6 m^2 - Storage Volume = 3.8 m^3

Design Rain Fall - R.

M5-60	Z1
0.02	1
M10-D	Z2
0.02	1.24

R = 0.0248 m.

Inflow into Soakaway

Area m^2		R.		
69	x	0.0248	=	2.91 m^3

Outflow From Soakaway

Internal SA 50%	- Infiltration Rate	Storm Duration (s)
6.3	3E-06	3600

Outflow = 0.06804 m^3.

Storage Required

Inflow	Outflow	
2.9112	0.06804	= 2.843

Storage Volume with 30% Free Required = 3.696 m^3

Actual Storage Volume = 3.8 m^3 ∴ OK.