



Project: Example 2 for A N Other
 Ref: KR1512007 first designed 16/12/2015
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Catchment Details:

Buildings	875	m2 x 95 %
Dense surfacing	364	m2 x 90 %
Effective Area	1158.85	m2

Storage Details:

Product	RainBloc	
Length	10 units =	12 m
Width	13 units =	7.8 m
Depth	2 units =	0.84 m
Volume Ratio	95 %	

Rainfall Details - FSR Method:

Return Period	100 years
Climate Change Factor	20 %
r value	0.45
M5-60	20 mm

Outflow Details:

Infiltration rate	0.027 m/hr
Infiltration by CIRIA 3D method	
Safety Factor against flooding = 1.5	

Duration	Intensity		Required storage(m3)
	mm	mm/h	
30 min	33.1	79.4	45.072
45 min	37.4	59.9	50.624
60 min	40.5	48.6	54.430
2 hours	48.0	28.8	62.841
6 hours	59.7	11.9	71.152
24 hours	76.6	3.8	60.174

Results:

Outcome	Pass
Critical Storm Duration	8.18 hrs
Critical Rainfall Rate	9.3 mm/h
Hmax	0.807 m
Time to half empty	17 hrs
Volume Required	71.758

Tank Operation:

