



Project: Example 1 for A N Other  
 Ref: KR1512006 first designed 16/12/2015  
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**Catchment Details:**

Buildings	1450	m2	x 95 %
Dense surfacing	760	m2	x 90 %
Effective Area	2061.5	m2	

**Storage Details:**

Product	EcoBloc
Length	16 units = 12.8 m
Width	10 units = 8 m
Depth	3 units = 1 m
Volume Ratio	95.33333 %

**Rainfall Details - FSR Method:**

Return Period	100 years	
Climate Change Factor	20 %	
r value	0.4	
M5-60	20 mm	
<b>Summer Storm Profile</b>		
Duration	Intensity	Required storage(m3)
	mm	mm/h
30 min	32.4	77.7
45 min	37.1	59.4
60 min	40.5	48.6
2 hours	48.9	29.4
6 hours	62.5	12.5
24 hours	83.0	4.1

**Outflow Details:**

Infiltration rate	Attenuation only
Attenuation Control	Orifice Plate
Orifice Diameter	54 mm
Discharge rate	6.1 l/s

**Results:**

Outcome	Pass
Critical Storm Duration	2.83 hrs
Critical Rainfall Rate	22.5 mm/h
Hmax	0.965 m
Time to half empty	2.1 hrs
Volume Required	94.201

Tank Operation:

