		Abbreviation	Calculations	Value	
	Impermeable area	R A		544.78	m^2

ATTENUATION STORAGE VOLUME

Allowable Discharge	AD		***1.77E-03***	m^3/s
Discharge Coefficient	C		***1.0***	Pumped
Discharge Coefficient	C		***0.5***	Gravity Outlet (e.g. orifice)
Discharge Coefficient	C		***0.7***	Vortex Flow Control

A	B	C	D	E	F	G	H	I	J
Storm Duration D (Hours)	Rainfall Depth (mm)	Revised Depth + 30% Climate Change (mm)	Rainfall Rate i (mm/hr)	Rainfall Rate i + 30% Climate Change (mm/hr)	Inflow rate - 2.78 HS A i - (l/s)	Inflow volume - rate x 3.6D - (m^3)	Outflow volume - C x AD x 3.6D - (m^3)	Storage required V - in - out - (m^3)	Time to empty - 0.277V/A DC - (Hours)
0.17	10	13.00	60.00	78.00	11.81	7.09	0.53	6.56	1.30
0.50	30	39.00	60.00	78.00	11.81	21.26	1.60	19.67	3.89
1	40.51	52.66	40.51	52.66	7.98	28.71	3.19	25.52	5.05
4	57.37	74.58	14.34	18.65	2.82	40.66	12.76	27.90	5.52
6	63	81.90	10.50	13.65	2.07	44.65	19.15	***25.51***	5.05
12	72.21	93.87	6.02	7.82	1.18	51.18	38.29	12.89	2.55
18	78.36	101.87	4.35	5.66	0.86	55.54	57.44	-1.90	-0.38

	1 in 100 year, 6 hour event	CV	***25.51***	m^3