Pit Dimensions			Area		Test Pit	2			C2655							
Length	2.5		2.5						Wooing Tree							
Width	1															
Time (s)	Depth	dVolume	dTime (s)		Soakage (l/s)		l/s/m²									
0	0	-0.3	60		-5.0		-2.0									
60	0.12	-0.225	60		-3.8		-1.5									
120	0.21	-0.15	60		-2.5		-1.0									
180	0.27	-0.15	60		-2.5		-1.0									
240	0.33	-0.1	60		-1.7		-0.7									
300	0.37	-0.1	60		-1.7		-0.7									
360	0.41	-0.1	60		-1.7		-0.7									
420	0.45	-0.1	60		-1.7		-0.7									
480	0.49			Average	-2.55		-1.02					Infiltration Rate		3675	mm/hr	
		1.225	480		2.6		1.0	For time period								
Note:	4000l poured in over 6 minutes to get to water depth of 1.1m															
														total volume		
	1 in 20 (+2deg)										area m2	1609.392		11.973879	m3	
	9.3	mm in 10 minutes		56mm/hr		Q=2.78CiA					runoff	0.8		rate per second		
						A = Q/2.78iC		0.160939	ha		depth	9.3		20.0	l/s	
								1609.392			seconds	600				
													runoff per m2 per s		0.0124	l/s/m2
Soakpit Base =			0.785398	m2							Soakage Capacity		1616.453	m2		
Effective soakage @ 2m deep			19.63495	m2	45 deg angle influence						metres of road		80.82264	161.64529	two sided	
			20.04402		Soakage Rate	l/s					(20m carriageway)					

Pit Dimensions			Area		Test Pit	4			C2655							
Length	2.9		2.9						Wooing Tree							
Width	1															
Time (s)	Depth	dVolume	dTime (s)		Soakage (l/s)		l/s/m²									
0	0	-0.261	60		-4.4		-1.5									
60	0.09	-0.203	60		-3.4		-1.2									
120	0.16	-0.203	60		-3.4		-1.2									
180	0.23	-0.116	60		-1.9		-0.7									
240	0.27	-0.145	60		-2.4		-0.8									
300	0.32	-0.145	60		-2.4		-0.8									
360	0.37	-0.145	60		-2.4		-0.8									
420	0.42	-0.116	60		-1.9		-0.7									
480	0.46	-0.116	60		-1.9		-0.7									
540	0.50			Average	-2.69		-0.93					Infiltration Rate		3333	mm/hr	
		1.45	540		2.7		0.9	For time period								
Note:	4000l poured in over 7 minutes to get to water depth of 1.1m															
														total volume		
	1 in 20 (+2deg)										area m2	1459.766		10.860661	m3	
	9.3	mm in 10 minutes		56mm/hr		Q=2.78CiA					runoff	0.8		rate per second		
						A = Q/2.78iC		0.145977	ha		depth	9.3		18.1	l/s	
								1459.766			seconds	600				
													runoff per m2 per s		0.0124	l/s/m2
Soakpit Base =			0.785398	m2							Soakage Capacity		1466.17	m2		
Effective soakage @ 2m deep			19.63495	m2	45 deg angle influence						metres of road		73.30852	146.61704	two sided	
			18.18051		Soakage Rate	l/s					(20m carriageway)					

Pit Dimensions			Area		Test Pit	6			C2655							
Length	3.2		3.2						Wooing Tree							
Width	1															
Time (s)	Depth	dVolume	dTime (s)		Soakage (l/s)		l/s/m²									
0	0	-0.16	60		-2.7		-0.8		Several side collapses affecting results.							
60	0.05	0.16	60		2.7		0.8									
120	0	-0.096	60		-1.6		-0.5									
180	0.03	-0.16	60		-2.7		-0.8									
240	0.08	-0.096	60		-1.6		-0.5									
300	0.11	-0.064	60		-1.1		-0.3									
360	0.13	-0.064	60		-1.1		-0.3									
420	0.15	-0.064	60		-1.1		-0.3									
480	0.17			Average	-1.13		-0.35					Infiltration Rate		1275	mm/hr	
		0.544	480		1.1		0.4	For time period								
Note:	3000l poured in over 6 minutes to get to water depth of 1.05m															
														total volume		
	1 in 20 (+2deg)										area m2	558.3606		4.1542029	m3	
	9.3	mm in 10 minutes		56mm/hr		Q=2.78CiA					runoff	0.8		rate per second		
						A = Q/2.78iC		0.055836	ha		depth	9.3		6.9	l/s	
								558.3606			seconds	600				
													runoff per m2 per s		0.0124	l/s/m2
Soakpit Base =			0.785398	m2							Soakage Capacity		560.8102	m2		
Effective soakage @ 2m deep			19.63495	m2	45 deg angle influence						metres of road		28.04051	56.081018	two sided	
			6.954046		Soakage Rate	l/s					(20m carriageway)					

Pit Dimensions			Area		Test Pit	8			C2655							
Length	3		3						Wooing Tree							
Width	1															
Time (s)	Depth	dVolume	dTime (s)		Soakage (l/s)		l/s/m²									
0	0	-0.06	60		-1.0		-0.3		Several side collapses affecting results.							
60	0.02	-0.03	60		-0.5		-0.2									
120	0.03	-0.03	60		-0.5		-0.2									
180	0.04	-0.03	60		-0.5		-0.2									
240	0.05	-0.03	60		-0.5		-0.2									
300	0.06	-0.03	60		-0.5		-0.2									
360	0.07	-0.03	60		-0.5		-0.2									
420	0.08			Average	-0.57		-0.19					Infiltration Rate		686	mm/hr	
		0.24	420		0.6		0.2	For time period								
Note:	3500l poured in over minutes to get to water depth of 0.7m															
														total volume		
	1 in 20 (+2deg)										area m2	300.2948		2.2341931	m3	
	9.3	mm in 10 minutes		56mm/hr		Q=2.78CiA					runoff	0.8		rate per second		
						A = Q/2.78iC		0.030029	ha		depth	9.3		3.7	l/s	
								300.2948			seconds	600				
													runoff per m2 per s		0.0124	l/s/m2
Soakpit Base =			0.785398	m2							Soakage Capacity		301.6122	m2		
Effective soakage @ 2m deep			19.63495	m2	45 deg angle influence						metres of road		15.08061	30.16122	two sided	
			3.739991		Soakage Rate	l/s					(20m carriageway)					

Pit Dimensions			Area		Test Pit	11			C2655							
Length	2.9		2.9						Wooing Tree							
Width	1															
Time (s)	Depth	dVolume	dTime (s)		Soakage (l/s)		l/s/m²									
0	0	-0.116	60		-1.9		-0.7		Several side collapses affecting results.							
60	0.04	-0.087	60		-1.5		-0.5									
120	0.07	-0.087	60		-1.5		-0.5									
180	0.1	-0.087	60		-1.5		-0.5									
240	0.13	-0.087	60		-1.5		-0.5									
300	0.16	-0.029	60		-0.5		-0.2									
360	0.17	-0.087	60		-1.5		-0.5									
420	0.2			Average	-1.38		-0.48					Infiltration Rate		1714	mm/hr	
		0.58	420		1.4		0.5	For time period								
Note:	3500l poured in over minutes to get to water depth of 0.7m															
														total volume		
	1 in 20 (+2deg)										area m2	750.7369		5.5854828	m3	
	9.3	mm in 10 minutes		56mm/hr		Q=2.78CiA					runoff	0.8		rate per second		
						A = Q/2.78iC		0.075074	ha		depth	9.3		9.3	l/s	
								750.7369			seconds	600				
													runoff per m2 per s		0.0124	l/s/m2
Soakpit Base =			0.785398	m2							Soakage Capacity		754.0305	m2		
Effective soakage @ 2m deep			19.63495	m2	45 deg angle influence						metres of road		37.70152	75.403049	two sided	
			9.349978		Soakage Rate	l/s					(20m carriageway)					