Registered User: Single User License © 2017 CivilWeb

Project:	New Dwelling, Spring Gardens, Washington		**By Civil Web**
Calculation:	Soakaway Design		
	Wallingford Procedure Rainfall		**Approved:**
Sheet Number:	CV.02	**Date:** 21.10.2024	AM

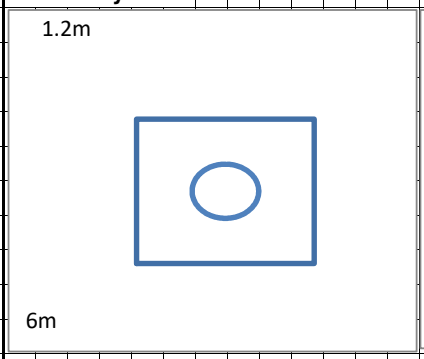
Catchment Details				
Catchment Area House & car port			180	m²
Location			England & Wales	
City/Town			Washington	
M5-60	17.97	Override-		
r Ratio	0.35	Override-		
Runoff Coefficient			100	%

Design Storm Details		
Return Period	100	years
Climate Change Allowance	1.5	

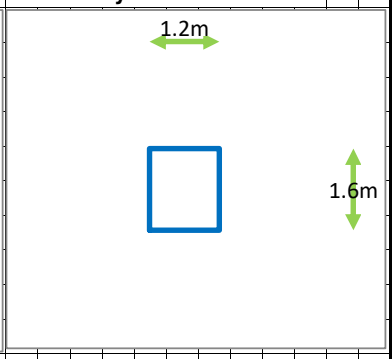
Ground Information				
Infiltration Rate	0.36	m/hr	1.00E-04	m/s
Factor of Safety	1.5			

Soakaway Design		
Soakaway Shape	Rectangular Trench/Pit	
Number of Soakaways	1	
Length	6.00	m
Width	1.20	m
Effective Depth	1.60	m
Backfill Porosity	95	%
Additional Outflow (If Any)	0	l/s
Base Infiltration Factor	0	

Soakaway Plan

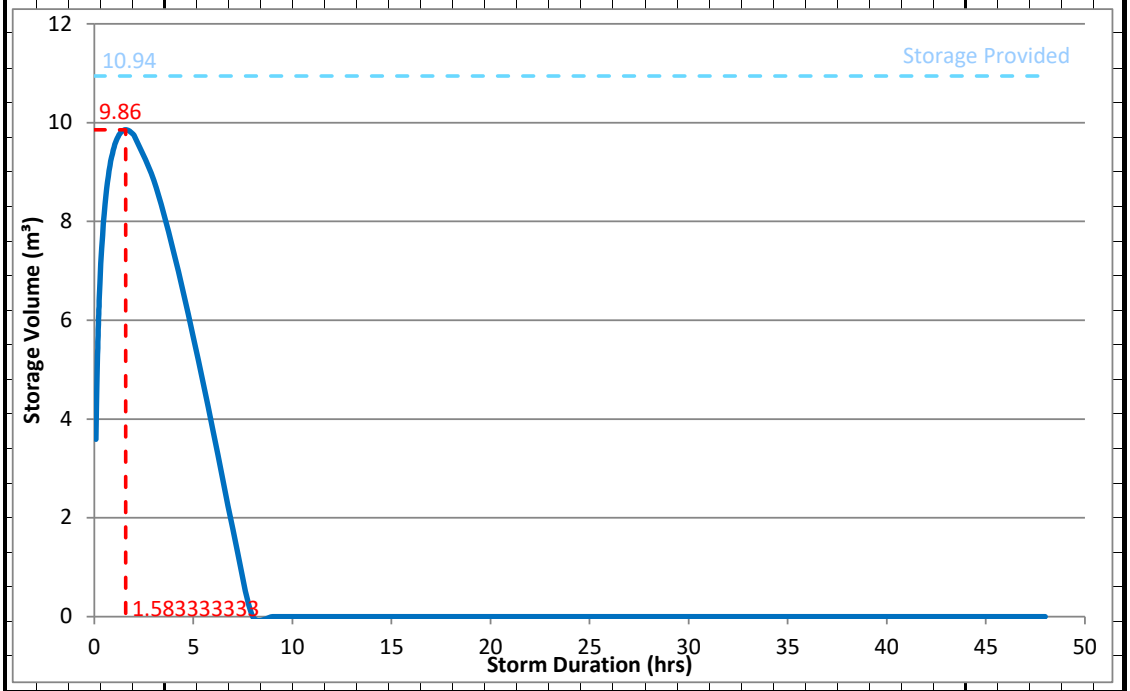


Soakaway Cross Section



	Project:	New Dwelling Spring Gardens		**By Civil Web**
	Calculation:	Soakaway Design		
				Approved:
	Sheet Number:	CV.02	**Date:** 21.10.2024	AM

Results



Maximum Storage Volume Required:	**9.86**	m³ (1.583333333	
Storage Volume Provided:	**10.94**	m³	Acceptable
Time of Emptying:	**0.6**	Hours	Acceptable