

HUMBERSIDE MATERIALS LABORATORY LTD

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DETERMINATION OF SOIL INFILTRATION RATE

Sample Ref S/75997/01

Client John Richardson

Site Mendle Farm, Holme

Location TP1

Date tested 26/08/2025

Determined by D. Driver (HML)

Soil type Slightly silty fine to medium SAND

Calculation of Soil Infiltration Rate :- BRE Digest No. 365

Calculation Data			
Soakaway pit No	TP1		
Anticipated invert level	Unknown		
Pit Dimensions (l x w x d) (m)	1.30	0.45	1.15
Effective Depth (75% - 25%)	Determination 1	0.265	m
	Determination 2	0.270	m
	Determination 3	0.285	m
Effective volume (75% - 25%)	Determination 1	0.155	m ³
	Determination 2	0.158	m ³
	Determination 3	0.167	m ³
Effective Surface Area (75% - 25%)	Determination 1	1.513	m ²
	Determination 2	1.530	m ²
	Determination 3	1.583	m ²
Time for soakaway (75%-25% effective depth)	Determination 1	29100	Sec.
	Determination 2	33000	Sec.
	Determination 3	33600	Sec.
Soil Infiltration Rate (m/s)	Determination 1	3.52E-06	m/s
	Determination 2	3.13E-06	m/s
	Determination 3	3.14E-06	m/s

Comments

File ref 1260/5063/G

Date tested 26/08/2025

Date reported 29/08/2025

Signed - M.Driver / D. Driver / C. Driver
Director