

Superseded



9610 – Glynneath

Quick Storage Estimate

Reverse Engineer

System 1 (East of access)
Contributing Area: 6400m²

Storage Volume provided 134m³ (26.5 x 2.4 x 2.1m)
Determine restricted discharge rate for Q100 which results in storage range provided.
Q=30l/s

Micro Drainage

Variables

Results

Design

Overview 2D

Overview 3D

Vt

Variables

FSR Rainfall

Return Period (years)

Region

Map

M5-60 (mm)

Ratio R

Cv (Summer)

Cv (Winter)

Impervious Area (ha)

Maximum Allowable Discharge (l/s)

Infiltration Coefficient (m/hr)

Safety Factor

Climate Change (%)

100

England and Wales

20.400

0.200

0.750

0.840

0.640

30.0

0.00000

2.0

0

Analyse

OK

Cancel

Help

Enter Maximum Allowable Discharge between 0.0 and 999999.0

Micro Drainage

Variables

Results

Design

Overview 2D

Overview 3D

Vt

Results

Global Variables require approximate storage of between 128 m³ and 263 m³.

These values are estimates only and should not be used for design purposes.

Analyse

OK

Cancel

Help

Enter Maximum Allowable Discharge between 0.0 and 999999.0

Superseded



System 2 (West of access)

Contributing Area: 8615m²

Storage Volume provided 161m³ (32 x 2.4 x 2.1m)

Determine restricted discharge rate for Q100 which results in storage range provided.

Q=45l/s

Micro Drainage

Variables

Results

Design

Overview 2D

Overview 3D

Vt

Variables

FSR Rainfall

Return Period (years)100

RegionEngland and Wales

Map

M5-60 (mm)20.400

Ratio R0.200

Cv (Summer)0.750

Cv (Winter)0.840

Impervious Area (ha)0.862

Maximum Allowable Discharge (l/s)45.0

Infiltration Coefficient (m/hr)0.00000

Safety Factor2.0

Climate Change (%)0

AnalyseOKCancelHelp

Enter Maximum Allowable Discharge between 0.0 and 999999.0

Micro Drainage

Variables

Results

Design

Overview 2D

Overview 3D

Vt

Results

Global Variables require approximate storage of between 158 m³ and 334 m³.

These values are estimates only and should not be used for design purposes.

AnalyseOKCancelHelp

Enter Maximum Allowable Discharge between 0.0 and 999999.0