

# Flood Risk Assessment and Drainage Strategy Addendum Report

Project name **Land at Foxhole Farm Bolney**  
Project no. **1620011691 - 012**  
Client **Wates Developments Ltd**  
Version **1.0**

Prepared by **DM**  
Checked by **AG**  
Approved by **AG**

Date 2025/06/17

## 1 Introduction

The following information is provided to supplement that already detailed in the following reports:

- Flood Risk Assessment by Ramboll, 25/04/2025, Version 4.0 (FRA); and
- Drainage Strategy by Ramboll, 25/04/2025, Version 5.0 (Drainage Strategy).

This Addendum Report is in response to additional comments from the Lead Local Flood Authority (LLFA) dated 16/06/2025 that the drainage calculations be updated to use a Cv (volumetric runoff coefficient) value of 1, and that the drainage layout be updated accordingly (if necessary).

### Response

The Cv value has been checked with a worst-case scenario by using a value of 1. The storage requirement range has slightly increased as shown below. Storage provision on site remains within the estimated range as shown on the existing drainage layout plans as presented within Appendix A of the Drainage Strategy. Hence, the drainage layout plans do not require updating.

### Catchment 1 (North)

Area: 3.92 ha

Flow Rate: 44.2 L/s

Cv1 Storage Required: 3,210 – 4,671 m<sup>3</sup>

Current Storage Provision: 4,184 m<sup>3</sup>

Ramboll  
Twenty3  
Brunswick Place  
Southampton  
SO15 2AQ  
United Kingdom

T +44 238 081 7500  
<https://uk.ramboll.com/environment-and-health>

Ramboll UK Limited  
Registered in England & Wales  
Company No: 03659970  
Registered office:  
240 Blackfriars Road  
London  
SE1 8NW

Quick Storage Estimate

**Input**

Input Type: User Input

Area (ha): 3.92

Volumetric Runoff Coefficient: 1.000

Discharge Rate (L/s): 44.2

Infiltration Rate (m/hr): 0.0

Safety Factor: 2.0

Quick

Calculate

Create New  From Library

All

FEH

Method: FEH

Number of Storms: 24

Max. Run Time (mins): 2880

Input

Results

2D Graph

OK

Cancel

0.0 <= Discharge Rate (L/s) <= 1000000.0

Help

Quick Storage Estimate

**Results**

Quick Storage Estimate variables require approximate storage of between 3210m<sup>3</sup> - 4671m<sup>3</sup>.

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

Input

Results

2D Graph

OK

Cancel

Create New

Help

Catchment 2 (South)

Area: 4.47 ha

Flow Rate: 46.3 L/s

Cv1 Storage Required: 3,753 – 5,432 m<sup>3</sup>

Current Storage Provision: 4,456 m<sup>3</sup>

**Quick Storage Estimate**

**Input**

Input Type: User Input

Area (ha): 4.469

Volumetric Runoff Coefficient: 1.000

Discharge Rate (L/s): 46.3

Infiltration Rate (m/hr): 0.0

Safety Factor: 2.0

Quick

Calculate

Create New  From Library

All

FEH

Method	FEH
Number of Storms	24
Max. Run Time (mins)	2880

Input

Results

2D Graph

0.0 <= Discharge Rate (L/s) <= 1000000.0

Help

