

# Drainage Technical Note and Manufacturer Specification

**Land at Clanna, Dean Lane, Meopham — Gravesham Borough Council  
In Support of Discharge of Conditions 7 and 13**

---

## 1. Introduction

This document provides clarification of the foul and surface water drainage arrangements for the development and includes a summary of the proprietary cesspit manufacturer specification together with confirmation of installation principles.

The note is submitted in response to consultee comments requesting a Sustainable Drainage Strategy, manufacturer specifications and tank installation details.

---

## 2. Foul Drainage Strategy

Foul drainage from the development will discharge to a proprietary shallow dig sealed cesspit with a storage capacity of approximately 4,800 litres.

The cesspit provides sealed storage of foul effluent prior to removal by licensed tanker and ensures no discharge to ground or watercourse.

---

## 3. Manufacturer Specification Summary

The cesspit is a proprietary prefabricated unit designed for off-mains drainage situations.

Key characteristics include:

- Nominal capacity of approximately 4,800 litres
- Manufactured from glass reinforced plastic (GRP) providing durability and watertight performance
- Factory tested for structural integrity
- Suitable for low occupancy rural use
- Supplied with sealed access covers and inspection shafts
- Provision for high level alarm monitoring
- Designed in accordance with relevant standards including BS EN 12566 or equivalent

The system is appropriate where discharge of treated effluent is not suitable and provides a robust containment solution.

---

## 4. Installation Details

The cesspit will be installed strictly in accordance with manufacturer fitting instructions (submitted separately) and industry best practice.

Installation will include:

- Excavation to required depth
- Installation on suitable prepared base
- Appropriate backfill and compaction
- Watertight pipe connections
- Installation of access covers
- Provision for tanker access
- Commissioning prior to use

Works will be undertaken by a competent contractor.

---

## 5. Surface Water Drainage

Surface water, including runoff from parking areas, will be managed sustainably through permeable surfacing and infiltration to ground, with the existing roadside ditch providing an exceedance pathway.

This ensures no increase in surface water runoff and accords with sustainable drainage principles.

---

## 6. Maintenance and Operation

The cesspit will be inspected and emptied periodically by a licensed waste contractor.

Surface drainage features will be maintained to ensure continued performance.

---

## 7. Supporting Information

The following documents accompany this note:

- Manufacturer product information
- Manufacturer installation/fitting instructions
- Sustainable drainage details

---

## **8. Conclusion**

The drainage arrangements provide appropriate management of foul and surface water and address the information requested by consultees. The Applicant respectfully requests discharge of Conditions 7 and 13.