Legend

Drainage (Non-adopted)

Foul Water

- SVP/SS
- Shallow Acces Chamber
- Inspection Chamber
- Manhole
- Pumped Main
- Pumping Station
- Existing Chamber

Surface Water

- Rainwater Pipe
- Rodding Eye
- Inspection Chamber
- Manhole
- Flow Control Chamber
- Modular tank

Symbols

- Site Boundary
- Proposed Level
- Existing Level
- Proposed Gradient
- Gravel Board
- Cellular confinement system with gravel infill (permeable)

Foul Water Package Pumping Station (specialist design by PDAS Ltd.) to incorporate 24hr emergency storage of 2.4m³ (based on 16 persons)
Cover level: 8.000
Inlet level: 6.450
Base level: 5.450
Peak pumped flow rate 4.5l/s

Flow Control Chamber
Limited to maximum peak flow of 1.5l/s for the 1 in 100yr return period critical storm event (+40% climate change).

Surface Water Outfall
Althon H3C pre-cast concrete headwall.
Outlet level: 7.000
Locally re-profile bank .

Attenuation Tank 2
Cover level: 8.050-8.100
Top level: 7.450
Base level: 7.050
Size: 4.0mx4.0mx0.4m

Attenuation Tank 1
Cover level: 8.100-8.150
Top level: 7.450
Base level: 7.050
Size: 5.0mx4.0mx0.4m

FFL 8.025
FFL 8.175
FFL 8.150
FFL 8.300

Existing Combined Chamber
CL: 9.81
IL: 9.09

Existing private drainage system final connection point at Southern Water manhole ref 4101

General Notes

1. Any indication of site boundaries are to be considered diagrammatic. This drawing is based on layouts prepared by others and our details are not in themselves intended to be any definition of land ownership.
2. The contractor shall check all levels and dimensions, any errors or omissions are to be reported to the Engineer.
3. All information regarding below ground obstructions has been added to our general arrangement drawing as far as we are reasonably able to obtain at the time. The contractor shall allow for breaking out obstructions where necessary and increasing the depth of foundations to a suitable and approved formation, in accordance with our details.
4. Refer to Architect's drawings for location and details of all fencing and soft landscaping.

Surface Water Strategy/ Design

The surface water strategy has been developed in accordance with the following criteria;

- Total site area = 2330m²
- Underlying soils are not suitable for infiltration therefore discharge to adjacent ditch/watercourse is the selected method of disposal in accordance with the SuDS Drainage Hierarchy with the maximum discharge limited to greenfield run-off (Qbar).
- Greenfield run-off rate (Qbar) for the development site has been established as 1.4l/s
- The proposed flows have been limited to a maximum of 1.4l/s.
- Storage has been provided to accommodate the 100yr +40% climate change critical storm event.
- The climate change allowance has been established from DEFRA guidance; Medway Management Catchment peak rainfall allowances, 1% annual exceedance rainfall event 2070s, Epoch Upper end allowance 40% (2070s epoch for development with a lifetime between 2061 and 2125).
- Proposed external works for the driveway and parking areas are formed of permeable construction.

All drainage pipes are 100mm⌀ unless noted otherwise

Rev	Description	By	Date
A	First Issue.	JT	23.09.25

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Project: LAND AT: GREENSLEEVES, TILTWOOD, HOPHURST LANE, CRAWLEY DOWN. RH10 4LL.

Drawing Title: DRAINAGE AND EXTERNAL WORKS LAYOUT

Drawing No.: 7684-200 Revision: A

Scale: 1:100 @ A0 Date: SEPT 2025

Drawing Status: PRELIMINARY

Drawn By: JT Checked By: KH

TILTWOOD HOMES