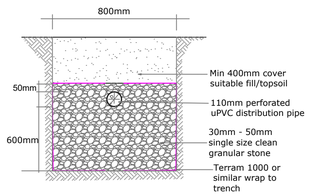
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Willington Lodge

Drainage Key

- Solid Foul Water Drain
- Solid Surface Water Drain
- Perforated Sub Grade Drain outfall
- Rain Garden

Drainage field section



Notes:
1. The Contractor should check all heights, sizes and dimensions on site before works commence and any errors should be reported to Woodsyde Developments Limited.
2. Figured dimensions shall take preference to scaling, with any errors reported to Woodsyde Developments Ltd.
3. Site Porosity tests for a typical drainage field have been undertaken by the Client and these have proved to have sufficient porosity for the use of soakaways. A Vp value of 24.76 has been achieved through an average of three tests.
The drainage field will need to be sized as:
5 persons x 24.76 Vp x 0.2 = 24.76m3, using 800mm trenches the overall drainage field shall be minimum 30.95 lin.m.
4. The existing surface water drainage from the building will be utilised and these will drain to rain gardens and then to a french drain type outfall to the existing pond to the south west. The pond has an overflow system which drains to the existing watercourse to the south.
5. Foul water drainage will connect to a new Graf one2clean advanced foul water treatment plant which will have advanced phosphate removal package . Achieving levels of <0.4 - 1.0mg/l. Removal of nitrogen compounds +D achieving levels of <20mg/l and removal of nitrogen compounds D+, achieving levels of 15mg/l.Combined D+ and +C removal of nitrogen by advanced dentrification combining carbon dosing and achieving levels of 10mg/l. A carbon dosing package will be included to prevent biology from dying off.
The treatment plant has been sized for maximum occupancy of 5 persons for this 2 bedroom conversion unit.
6. The treatment plant is sized (2.28m x 1.75m x 1.88m) to provide a capacity of 3750 litres.
7. The current arrangements for the main house and cottage will remain as existing and unaltered.
8. There will be no alteration to the access required for this development.
9. The treatment plant shall be installed strictly in accordance with the Manufacturers specification

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Rev B: Scheme amended to be served by own treatment plant AG 10.06.26
Rev A: Note 3 amended following site testing AG 16.02.26

Woodsyde Developments Limited

Project:
Proposed Development The Coach House, Willington Lodge, Horsemans Green, Whitchurch. SY13 3BZ.
Client:
Mr and Mrs Morris
Drawing Title:
Drainage Layout Plan
Scale:
1:250 @ A1
Date:
August 2025
Drawing No:
HG-DL-800: Rev B

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