



Drawing Legend	
Surface Water Drainage	
	Proposed surface water drainage
	Manhole
	Inspection Chamber
	Proposed Hydro-Brake
	Proposed sealed storage tank
	Proposed Headwalls
	Channel Drain
Foul Water Drainage	
	Existing foul water sewer
	Existing Public Sewer
	Proposed foul water drainage
	Manhole
	Inspection Chamber
Proposed Levels	
	Finished Floor Levels

**Drainage Level Key**  
 CL = Cover Level  
 IL = Invert Level

- Works within 8m of the River Rother subject to Flood Risk Activity Permit. This includes construction of any new surface water headwall.
- Connection to public sewer subject to S106 agreement with Southern Water.
- All RWP and SVP positions are to be confirmed by the Architect at detailed design phase.
- Existing drainage to be found on site via CCTV survey. Condition and location to be assessed to see if drainage can be reused.
- All pipework shall be 100mmØ unless noted otherwise
- Position of Public Sewers are approximate and are to be found on site. A build-near agreement with Southern Water may be required.

**Drainage Hierarchy**  
 Every attempt has been made to adhere to the National Planning Practice Guidance (NPPG) regarding the surface water discharge from the site. As stated in the NPPG, the aim should be to discharge surface water run-off as high up the drainage hierarchy, as reasonably practicable:

The hierarchy has been investigated as follows;

- Into the ground (infiltration)** - A site investigation report by Ashdown Site Investigation (Report ref: R14053) has identified that the site is positioned over river terrace deposits and that testing has determined that the river terrace deposit soils possess poor to negligible infiltration characteristics. The site is therefore unsuitable for infiltration techniques.
- To a surface water body** - The River Rother runs North to South along the east boundary of the site.
- To a surface water sewer** - Southern Water asset mapping confirms that there are no surface water sewers within proximity of the site.
- Highway drain** - Communication with the West Sussex County Council Highways Team has not been sought for this project.
- Or another drainage system** - The aforementioned Southern Water asset mapping has identified a public foul water sewer that crosses the southern part of the site.

**Conclusion**  
 Therefore, the surface water will discharge to the River Rother. The discharge rate will be restricted to 3.8l/s for all storms up to and including all storms up to and including the 1:100yr event plus 45% climate change allowance.

The existing surface water drainage will be surveyed to confirm if it can be renewed and repaired if found to discharge to the river Rother. Otherwise, the new pipe and headwall serving the development will be subject to a flood risk activity permit with the Environment Agency.

**Foul Water Sewerage Design**  
 It is proposed to discharge foul water to the public sewers to the south of the development.

Peak foul flow rates can be determined for the whole site and will be used to guide the detailed foul water drainage design to minimise the risk of sewer flooding.

The current proposals are for 7 residential homes. As such, the peak foul flow can be determined using the guidance in the DCG.

$4000 \text{ l/s/day} \times 7$   
 $24 \times 60 \times 60 = 0.32 \text{ l/s}$  peak foul flow

Therefore, the proposed peak foul flow rate is calculated to be 0.32l/s.

- NOTES:**
- This drawing is to be read in conjunction with all other SWP drawings, and with all relevant architect's and engineer's drawings and specification and any discrepancies found are to be reported immediately to the engineer.
  - No dimensions are to be scaled from this drawing, unless noted otherwise all dimensions are in millimeters and all levels are in metres from the site datum.
  - All dimensions to be checked on site. All details and dimensions relating to sub-contractors work must be checked and agreed between the sub-contractor or supplier and the general contractor.
  - The electronic information from this drawing can not be guaranteed as dimensionally drawn exact. figured dimensions must be used for setting out and detailing. swp logos and company information must be removed from copies if information is re-used.
  - The main contractor is responsible for the design of all temporary works, and is also responsible for the safe maintenance and stability of existing buildings at all times.
  - The main contractor is responsible for all occurrences of ground water during the construction period.
  - Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain. The main contractor is responsible for checking all information on site prior to work commencing and taking due care and attention whilst undertaking the works.
  - The contractor must comply with all current legislation relating to health & safety.
  - All products specified shall be installed in strict accordance with the manufacturers recommendations and instructions. If there are discrepancies between that information and the details on any swp drawings, the manufacturers instructions must be used.

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**PRELIMINARY**

**STEPHEN WILSON PARTNERSHIP LTD**  
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