



Surface Water Drainage:

- The proposed development will embrace the SuDS philosophy of sustainable drainage and utilise infiltration methods as the means of surface water disposal where possible. Surface water run off from roofs will discharge to domestic trench soakaways. No soakaways to be sited within 5.0 metres of buildings or within root protection zones. All surface water drainage will pass through a silt trap before discharging into soakaways. Sizing of soakaways will be dependant on testing undertaken in accordance BRE365 during winter months or as agreed with the local drainage engineer. Soakaway depths will be dependant on winter groundwater monitoring results.
- Drives, parking areas and access roads will be constructed in permeable paving and designed in accordance with shallow infiltration test results undertaken in accordance with BRE365.
- All infiltration measures will be designed in accordance with Environmental Agency guidelines with an allowance for climate change.
- Should infiltration testing show that the use of soakaways and permeable paving is not feasible then it is proposed that an attenuation scheme will be produced that will store water from the 100yr storm event with an additional 40% added for climate change. This attenuated volume will discharge into the drainage ditch sited at the front of the site and will discharge at the agreed 'greenfield' run off rate.

Legend:

- Existing public foul sewer
- Proposed foul water drainage connection
Subject to S106 Agreement with Southern Water
- TYPE 3 - 450mm $\varnothing$ with D400 cover
- Indicative domestic surface water drain.
- ST 450mm $\varnothing$ Silt Trap
- TYPE 3 - 450mm $\varnothing$ with A15/B125/D400 cover
- ACO drain installed on adopted highway boundary intercepting any surface water run-off from site. Discharge to access road sub-base.
- Indicative location of proposed domestic trench soakaways.
Sizing and viability to be determined by in-situ infiltration testing.
Soakaways to be designed in accordance with Environment Agency criteria for 100 year storm event with 40% increase for climate change.
Soakaways to be sited a minimum of 5.0m from new dwellings.
- Permeable access way (subject to favourable infiltration tests)
- Permeable paved drives & parking (subject to favourable infiltration tests)
- Adopted entrance to be re-constructed in accordance with WSCC specifications and subject to S278 Agreement

B	19.08.19	Reference to attenuation proposals added	KN
A	23.06.19	First issue	KN
Rev.	Date	Details	Initials

INFORMATION FOR PLANNING

Project
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