



Surface Water Drainage:

- The proposed development will embrace the SuDS philosophy of sustainable drainage and will utilise infiltration methods as the means of surface water disposal if possible. From the SuDs hierarchy the alternative will be to discharge into the adjacent watercourse at a rate equivalent to the 'green field' run off. This has been calculated to be 2.3lit/sec.
- Based on Environment Agency design criteria, the 1 in 100 years storm event with an additional 40% addition for climate change and discharging at the rate of 2.3lit/sec the attenuated storage volume has been calculated to be 170cu.m. This will be stored in attenuation sub base installed under the access road.
- Surface water discharge collected from the roofs and driveways will discharge directly into the sub base attenuation system after passing through silt traps.

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 connecting to sub base attenuation
- 450mm $\varnothing$ ST Trap
- TYPE 3 - 450mm $\varnothing$ with A15/B125/D400 cover
- Yard gully
- ACO drain installed on adopted Highway boundary intercepting any surface water run-off from site, discharging to sub-base attenuation
- Permeable construction access way discharging into sub base attenuation system (see note on sub base below)
- Impermeable block paved drive
- Adopted entrance to be re-constructed in accordance with WSCC specifications and subject to S278 Agreement
- Proposed carriageway level



Sub Base Notes:

Sub base to have a minimum porosity of 0.4.
epg Type 4/20 to BS EN 13242 or similar approved by the engineer before construction works commence

Minimum sub base storage volume = 179.4 cu.m

C	16.10.19	Sub base specification added	KN
B	15.10.19	Sub base attenuation added	KN
A	08.10.19	First issue	KN
Rev	Date	Details	Initials

INFORMATION FOR PLANNING

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