



**Proposed Leisure Development at  
63 Street End, Sidlesham, West Sussex (Site).  
December 2023**

**FOUL AND SURFACE DRAINAGE STRATEGY**

**1. Background:**

1.1 This report has been drafted to specifically address the issues around both foul and surface water run-off from the proposed Site.

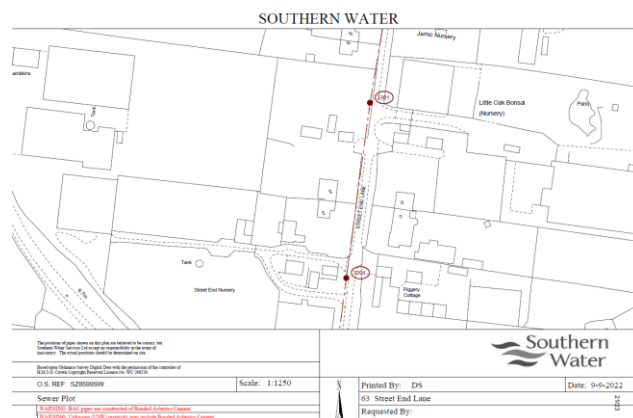
**2. Ground Conditions:**

2.1 Reference to the British Geological Survey (BGS) data indicates the site to overlie superficial geology of Head Deposits (sand and sandy clay with gravel) and River Terrace Deposits (sandy silt and clay). Beneath these strata is found Bedrock deposits of London Clay comprising blue grey silty clay.

2.2 The site does not lie within a ground water protection zone (SPZ) as confirmed by reference to the Environment Agency maps.

**3. Foul Water Drainage:**

3.1 It is proposed that all foul water for the new development will be drained by gravity to a the main located in Street End.





4. **Surface Water Drainage:**

4.1 It is proposed that all surface water drainage from buildings will be discharged to grate or trench system soakaways located generally within the courtyard of the new buildings. A detailed drainage strategy will be made available for reserved matters.

5. **Compliance with SuDS criteria:**

5.1 Control of Water Quantity Run-off

In accordance with the SuDS Manual Ciria C753 the priorities for discharge of surface water run-off are in the following order: -

- a) Infiltration
- b) Discharge to surface waters
- c) Discharge to a surface water sewer, highway drain or other drainage system
- d) Discharge to a combined sewer

The site lies within Zone 1 and has low risk of flooding.

All surface water will be discharged to infiltration systems using soakaways or permeable pavements and hence the SuDS criteria is fulfilled.

6. **Protection of Ground and Surface Water Management:**

6.1 There are minimum water quality management requirements for discharges to receiving ground water.

6.2 For residential roofs the pollution hazard is 'very low' and therefore discharge of rainwater directly to soakaways via silt traps to intercept sediment is acceptable. For the access road and parking areas, the pollution hazard is 'low' and the development will defer to the 'simple index approach'.

6.3 Permeable paving will provide the required mitigation measures and therefore the parking areas will be constructed with sufficient sub-base storage.