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FOUL & SURFACE WATER DRAINAGE STATEMENT

**Internal Alterations to Ferring Country Centre,
New Car Park (60no Spaces) & Pedestrian Foot Path.**

Prepared By: Matthew Brockhurst *BA (Hons) ACIAT*

Client: Ms Lynda Vowles ĩ General Manager, Ferring Country Centre
Site: Ferring Country Centre, Rife Way, Ferring, West Sussex. BN12 5JZ
Project Ref: 1920/13/WST
Date: October 2014

1.0 Introduction

- 1.1 This document outlines the physical effects of the proposal associated with the planning application, in terms of the increase in **foul and surface drainage**.
- 1.2 Please refer to and consider all application documents when reading this statement, including appendices and references.

2.0 Site Assessment

- 2.1 The site is located to the west of the village of Ferring, adjacent to the Ferring Rife (a small river leading inland from the sea). Surrounding the site on 3 sides is flat greenfield land.

3.0 Proposed Works – Foul Drainage

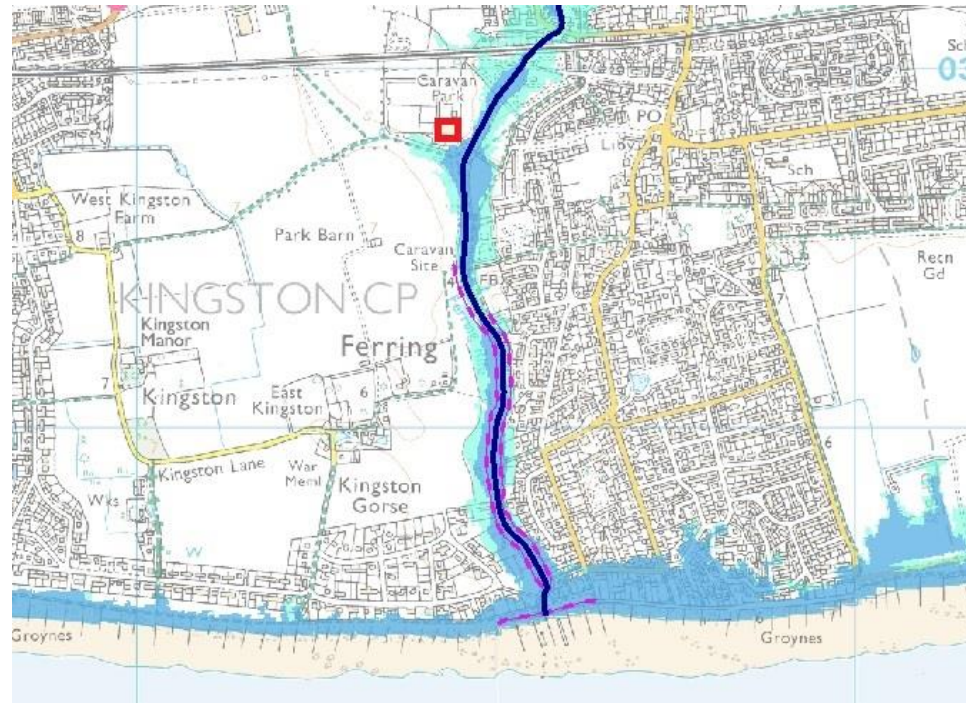
- 3.1 The proposals that affect the foul drainage refer to the internal amendments to the main building at ground and 1st floor level. These include; replacement W.C.s at ground level and additional W.C.s/kitchenette to the first floor.
- 3.2 All proposed foul drainage shall be via gravity drains and connected into the existing provision, installed in full accordance with the Building Regulations Approved Document H.

4.0 Proposed Works – Surface Water Drainage

- 4.1 The surface water drainage is affected by the external works part of the application including a 2950m² gravelled car park and 176.5m² bitumen footpath.
- 4.2 The proposed surface water from the car park shall drain into the ground using a **sustainable, porous gravel system* (indicative details provided as part of the application)**. This shall allow water to infiltrate into the surface of the land.

- 4.3 The minimal surface water run-off created by the new footpath construction will discharge directly into the existing adjacent ditch. Any effect this increase shall have should be offset against the health & safety requirement for the provision of the path.

5.0 Flood Mapping



5.1 Flood Map (from rivers and sea) – Supplied by Environment Agency (not to scale)



* Flood Zone 1 (no colour) - land assessed as having a less than 1 in 1,000 annual probability of river or sea flooding (<0.1%)

* Flood Zone 2 (light blue) - land assessed as having between a 1 in 100 and 1 in 1,000 annual probability of river flooding (1% ÷ 0.1%), or between a 1 in 200 and 1 in 1,000 annual probability of sea flooding (0.5% ÷ 0.1%) in any year

* Flood Zone 3 (dark blue) - land assessed as having a 1 in 100 or greater annual probability of river flooding (>1%), or a 1 in 200 or greater annual probability of flooding from the sea (>0.5%) in any year