

Project Name: LIDL RWB	Client: Lidl
Project No: C160504	Prepared By: RP
Document No: 2022-05273-Response	Date: 28/07/2023

1.0 Introduction

The purpose of this Technical Note is to outline the foul water discharge strategy of the Lidl Store, located at Marsh Farm, Royal Wootton Bassett. This development is subject to planning PL/2022/05273.

2.0 Discharge Location

Following a review of the existing drainage infrastructure local to the proposed development, little existing foul water infrastructure has been identified. The most efficient approach to discharge the foul water flows is to connect via gravity into the private foul network of the neighbouring care home, located approximately 20m east of the proposed development. Please see **Figure 1**, gravity connection highlighted in yellow.

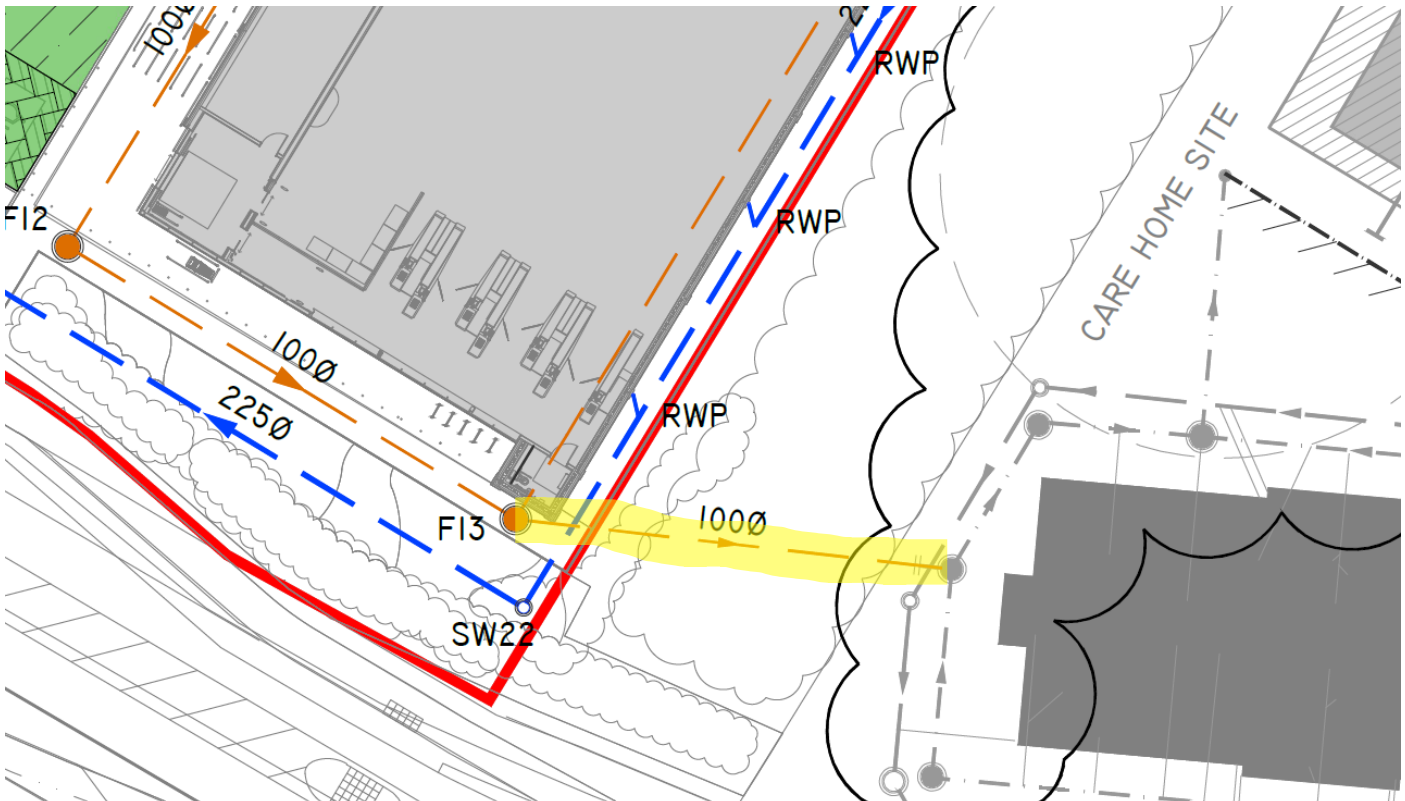


Figure 1 – Proposed connection from Lidl Development to Care Home Drainage

These flows will be conveyed to the care home foul water pumping station, where it will be pumped via a rising main, under Hook Road, and along Swindon road where it will discharge into an existing Wessex Water foul water sewer (N 407716.985, E 183444.717), located within Swindon Road, approximately 350m southeast of the development site. Please refer to **Figure 2**.

This strategy is in line with the approved planning application (18/02955/FUL), comprising the pumping and discharge into an existing Wessex Water foul sewer.



Figure 2 – Plan route of Care Home Rising main.

To ensure a robust design, other options were reviewed prior to the selection of the pumping station discharge method. Previously the contractor explored the option of utilising a proposed sewage treatment plant within the care home site. The environment agency rejected the use of a sewage treatment plant due to concerns of contamination of the existing watercourse. Following the rejection of the sewage treatment plant, the contractor has reverted to the foul rising main discharge (Wessex Water has agreed discharge rate) to the Wessex Water public sewer.

In summary, this Technical Note captures the design choices involved with opting for the rising main as the sole means of discharge for the proposed development.