

Rhiannon Lloyd

From: Jessica Riches
Sent: 24 June 2024 10:56
To: Jessica Riches
Subject: FW: Land at Westergate - Parish Council Comments on Existing Foul Drainage Network Issues

From: Ian Johnson [REDACTED]
Sent: Monday, June 17, 2024 5:54 PM
To: Jessica Riches <jessica.riches@arun.gov.uk>
Cc: Jessica Sparkes [REDACTED] Beeching, Luke [REDACTED]
Subject: Land at Westergate - Parish Council Comments on Existing Foul Drainage Network Issues

CAUTION: This email originated from outside of the organisation. You should take extra care when clicking links or opening attachments - if you are unsure the content is safe contact the IT Helpdesk before clicking or opening.

Hi Jess

Further to our update last week you may have seen we submitted this morning a Transport Assessment Addendum, which responds to the comments from WSCC, Network Rail and National Highways.

Whilst we have not been asked to respond to the concerns raised by Aldingbourne Parish Council in relation to the sewer connections and existing foul drainage problems (ref. 28 March 2024 comments), we thought it maybe helpful to provide our drainage consultant's response below. We are aware of the ongoing problems with Southern Water's sewer network within the local area during / after periods of high rainfall. Hopefully the following response and content within the submitted *Drainage Impact Assessment* and *Southern Water Drainage and Wastewater Management Plan* provides you with assurance our proposals will not lead to further problems on the network.

Proposed Connection to on-site foul sewers

The preferred foul drainage strategy option presented in the submitted Drainage Impact Assessment (Option 1) involves a number of new connections to the existing on-site foul sewers. This option allows for the installation of shallower drainage, which will be subject to reduced ground water pressure, reducing the risk of future water ingress. It is also proposed to divert two of the on-site sewers to enable development, providing an opportunity to construct the diverted sewers to the same modern standards as the remainder of the development drainage.

Foul drainage strategy options 2 and 3 retain a completely separate on-site system of new foul sewers, with the potential for a new off-site sewer connection.

The final strategy will be agreed with Southern Water as part of the reserved matters planning process and will depend on how the different options fit with Southern Water's wider plans and strategy for the drainage catchment.

Existing sewer flooding

We note the comments regarding recent sewage overflows in the south of the site and that these have been reported to Southern Water. Whilst overflows can be linked to flows in excess of the hydraulic capacity of the sewer, potentially affected by surface water or groundwater ingress, they can also be linked to reduced capacity due to blockages or sediment build up. It is Southern Water's responsibility to identify the causes of the overflows and suitable measures to address these. Southern Water has advised that no more than 50 new homes can be connected to the existing sewer in advance of infrastructure upgrades.

We are aware of the recent sewer flooding in winter 2023/2024 in Marshall Close and Barnham Road, and Southern Water works in those locations and Elm Grove, Barnham. Southern Water records show that these locations drain to a different branch

of the sewer network, which drains southwards through Barnham and is not directly connected to the on-site sewer at the Land East of Westergate site.

Southern Water are the body responsible for the effectual draining of the wastewater catchment and have identified works necessary to support growth in the catchment with reference to the Local Plan. Proposed works and associated timescales are set out in their published Drainage and Wastewater Management Plan.

Planning application WA/111/23/PL

The Parish Council's comments also refer to the above planning application. We note that this development has received planning permission and that Southern Water's consultation response of 16 January 2024 confirmed that they could facilitate foul sewerage disposal to serve the 2 house development. This site is located to the north of Barnham and may therefore also discharge into the eastern part of the Lidsey Wastewater Treatment Works sewerage network rather than the western part that routes through the Land East of Westergate site. We have not inspected wider records to confirm this.

We trust the above is helpful although please do not hesitate to contact me if you require further information or clarification.

Best regards

Ian

Ian Johnson BSc (Hons) MA PG UD MRTPI
Managing Director

30 Carlton Crescent, Southampton, Hampshire SO15 2EW

