



Lidsey Drainage Impact Assessment – 28/04/2026

Site Address: 19 West Close, Middleton-on-Sea, Bognor Regis, West Sussex, PO22 7RP

Proposed Development: Rear Extension – single-storey

1. Introduction

This assessment has been prepared in accordance with the requirement for all planning applications within the Lidsey WWTW Catchment Area to demonstrate how foul and surface water will be managed, and to show that the development will not increase the risk of flooding, consistent with the Lidsey Surface Water Management Plan (SWMP).

2. Site Context & Constraints

- **Catchment:** The site is located within the Lidsey WWTW Catchment Area, an area known for foul sewerage flooding caused by excessive groundwater infiltration and surface water entering the network.
- **Flood Risk:** The [2026 Flood Risk for West Sussex](#) map indicates the area is part of the broader coastal plain affected by high groundwater and surface water issues.
- **Soil Conditions:** Generally, the area consists of low-permeability clays, but surface water disposal is still preferred via sustainable methods where possible, rather than connecting to the foul sewer.

3. Surface Water Drainage Strategy

The proposal aims to limit additional runoff and remove existing surface water from the foul sewer, if possible.

- **Existing Surface Water:** Current roof runoff is assumed to drain to a soakaway or combined sewer – confirmation to be attained via on-site investigation by contractor/client if reqd
- **Proposed Surface Water Management:**
- **Sustainable Drainage Systems (SuDS):** The roof of the new rear extension will be drained to a new soakaway located a minimum of 5m from the building foundations and any other building, in accordance with [Building Regulations and Southern Water guidelines](#).
- **Permeable Materials:** Any new hardstanding areas created for construction or access will use permeable paving to allow infiltration.
- **Water Butt:** A water butt will be installed on the downpipe of the extension to collect rainwater for garden use, reducing immediate runoff.

4. Foul Water Drainage Strategy

- **Proposed Connection:** The new foul water from the extension (if new plumbing is included) will connect directly to the existing drairage on the site.
- **Impact Minimisation:** No surface water will be connected to the foul drainage system. The total projected increase in foul water flow is negligible for a single household rear extension, and the connection will be designed to avoid infiltration.

5. Summary of Mitigation Measures (Lidsey SWMP)

To mitigate impact on the Lidsey catchments, the following measures from the SWMP will be adopted:

- **Separation of Flows:** No new surface water connections will be made to the foul sewer.
- **Source Control:** Rainwater harvesting via a water butt.
- **SuDS:** Directing roof drainage to soakaways to prevent overwhelming the [Southern Water](#) network.

6. Conclusion

The proposed rear extension will manage surface water through sustainable methods (soakaways and water butts) and will not introduce new surface water to the overloaded foul system.

Therefore, the proposal is considered to comply with the Lidsey Drainage Impact Assessment requirements.

Disclaimer: This assessment is based on a standard rear extension project and data available for the Lidsey catchment area as of April 2026.
