



Addendum to Design & Access Statement

SuDS Assessment

Application Site:

Otterburn
Wainfleet Road
Boston
OE21 9RN

Date:

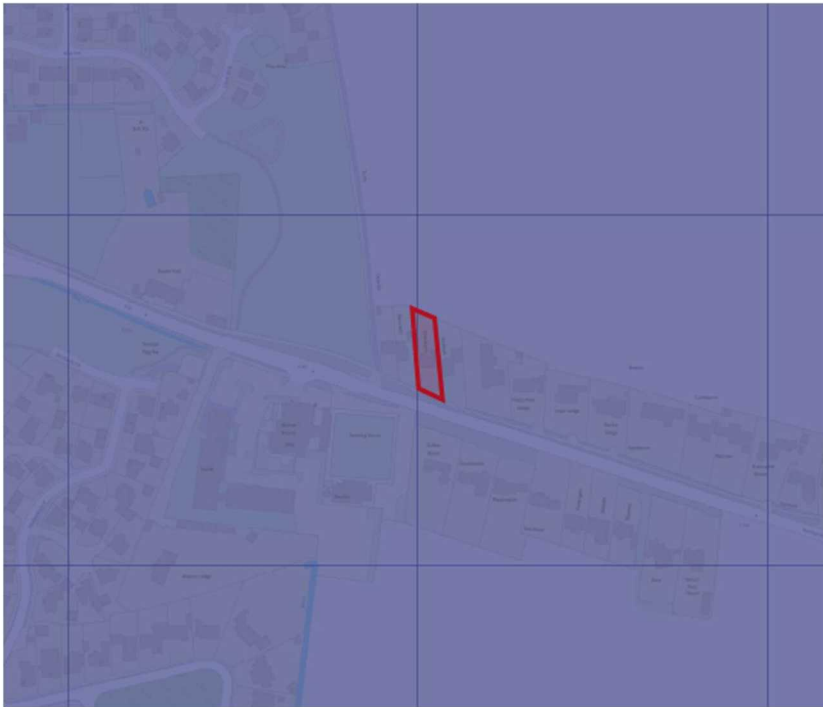
April 2024

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Addendum to Design & Access Statement – SuDS Assessment

This Addendum is to accompany the submitted Design & Access Statement and provides further information on flood risk..



- **Flood Risk Assessment:**

The Flood Risk Map from the Environment Agency confirms that the application site is located in a Flood Zone 3 where it is at higher risk of flooding from the River Avon.

Does the development need to satisfy the Sequential Test?

☐ Yes ☒ No

Does the development need to satisfy Exception Test?

☐ Yes ☒ No

Is the development within 20m of a main river, flood defence or flow control structure?

☐ Yes ☒ No

Does it directly affect a watercourse that is not a main river?

☐ Yes ☒ No

- **The Proposal:**

The proposal is a Householder application to construct a single storey extension to the existing dwelling.

- **Sustainable Drainage:**

Surface water arising from a developed site should, as far as practicable, be managed in a sustainable manner to mimic the surface water flows arising from the site prior to the proposed development, while reducing the flood risk to the site itself and elsewhere, taking climate change into account. Reducing the rate of surface water discharge from the built environment is one of the most effective ways of reducing and managing flood risk.

Traditional piped surface water systems work by removing the surface water from our developments as quickly as possible, however, this can cause various adverse impacts:

- Increased downstream flooding, and sudden rises in flow rates and water levels in local water courses.
- Reduction in groundwater levels and dry weather flows in watercourses.
- Reduce amenity and adversely affect biodiversity due to the surface water run-off containing contaminants such as oil, organic matter and toxic materials.

The various types of SUDS include:

- Permeable paving
- Soakaways and other infiltration devices, meaning that no surface water runoff leaves the site
- Swales and basins
- Bioretention/rain gardens;

- Green or sedum roofs
- Living/Green Walls
- Rainwater re-use
- Infiltration trenches and filter drains
- Ponds and wetlands
- Attenuation Tanks

- **SuDS Measures To Be Used**

The proposal seeks to demolish an existing conservatory and construct a larger single storey extension to the rear of the property to be used by the occupants.

The proposal will cover an additional overall footprint of 12.64m² of a residential garden which is currently paved.

We confirm that Building Regulations Approval will be required for the construction of the proposed alterations. As such, all works will be designed to meet the most up to date Approved Documents in full. Drainage measures are included as part of Approved Document H for both surface water and foul drainage.

1. Permeable paving or landscaping materials will be installed around the perimeter of the structure to allow natural drainage and reduce the risk of surface flooding in extreme conditions from entering the structure

2. New rainwater waterbutts will be installed to a minimum 210L capacity to the new rainwater outlets which will include an overflow pipe connected to a new soakaway
3. If ground conditions confirm that trench/strip foundations are not suitable, the structure will be installed using a groundscrew foundation system and will be raised above the natural ground level as appropriate
4. The internal finished floor level will be raised above the finished ground level by a minimum of 150mm
5. All electrical sockets will be raised to meet the current NICEIC regulations and the current Approved Document P and ensure protection of all internal electrical outlets

- **Summary**

The proposal is not considered to have an adverse impact on flood risk to either the existing property or the surrounding area.

The application site has not been subject to flooding in recent years and the proposal is considered to be modest in size and impact.

All appropriate precautions will be undertaken to meet with the potential of flooding for the 1 in 30 years, 1 in 100 years and 1 in 1000 years flood risks.



Arkiplan Architectural Ltd