



**52 ESTRIDGE CLOSE, LOWFORD
EASTLEIGH, HAMPSHIRE SO31 8FN**

FLOOD RISK STATEMENT

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Project No. 10717

Ref: 10717/22012/FRA

Client Beames Construction Ltd

Flood Risk Statement

Document Control Sheet

Project name: 52 Estridge Close, Lowford, Eastleigh,
Hampshire SO31 8FN

Project ref: 10717

Report Title Flood Risk Statement

Doc. ref: 10717/22012/FRS

Date: 20 April 2023

	Name	Position	Signature	Date
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Approved by:	Ian Durkin	Partner	ICD	20.04.23

Revision	Date	Description	Prepared	Approved
Issue 1	20.04.23	First issue	ICD	ICD

Flood Risk Statement

1.0 Flood Risk Statement

Gurney Consulting Engineers has prepared this Flood Risk Statement (FRS) to clarify the impact of the proposed construction of a new house on land at 52 Estridge Close, Lowford SO31 8FN on the EA designated main river which traverses the site's southern boundary.

This statement should be read in conjunction with the Flood Risk Assessment prepared by Gurney Consulting Engineers dated 25 February 2022.

The site is located at National Grid reference SU 48193 10151.

Information obtained from LiDAR indicates a sloping site falling in a southwestern direction. The ground level elevation to east of the site is 18.50m AOD at the highest point with the lowest level of 17.85m AOD in the vicinity of the southern boundary.

An outline planning application is sought with Eastleigh Borough Council for the erection of a single 3-bedroom 2-storey property to be erected at the side of the existing dwellings. The construction of the new house is to be load-bearing masonry walls supporting timber suspended floor and roof. The ground floor will be a concrete suspended floor and the foundations proposed comprise either a piled reinforced concrete (RC) raft slab or piled RC ground beams and substructure walling. The piles are likely to be mini driven piles, subject to detailed design, extending down to competent ground below.

British Geological Survey (BGS) maps show the site bedrock as Wittering Formation – Sand, Silt and Clay sedimentary bedrock with no recorded superficial deposits. This will be suitable for piled foundations extending down to about 10m below ground level.

There is a water feature designated as an EA main river which traverses the site's southern boundary. This is a tributary to the River Hamble located approximately 1.2 miles south west of the site. The new building is to be located approx. 4.0m from the river.

It is anticipated that the minimum finished floor level for the new dwelling will need to be above 19.30m AOD which sets the building up above the existing ground levels. At this level the river will pose minimal flood risk to the new dwelling and mitigation measures will be implemented to reduce the impact from the new dwelling on the risk of flooding offsite.

The foundations to the new building are proposed to comprise piled foundations. This form of foundation will provide a robust construction against any flooding impacts or scouring from the adjacent water course.

The site is within a 'Flood Alert' area and so it is recommended that occupiers of the site are encouraged to sign up for the Environment Agency's free flood alert message service. The water course will form part of the rear garden to the property and the occupiers will be encouraged to maintain and keep it in a serviceable condition.