

## **FLOOD RISK ASSESSMENT FOR EXTENSION TO DOMESTIC GARAGE AT 10 MEERES LANE , KIRTON, BOSTON – FEB 2021 REVISION**

Proposal is to provide an extension to domestic garage at 10 Meeres Lane , Kirton amounting to 48 m<sup>2</sup> floor area. Work to be carried out is shown upon planning submission Drawing 2056 / 1D. Finished floor level will be 150mm above existing ground.

### **Foul Water Drainage**

Not applicable

### **Surface Water**

It is proposed to dispose of surface water by use of soakaway subject to satisfactory percolation tests. Soakaway to be minimum of 5 metres from buildings or roads.

### **Site Location**

Site location is shown upon Drawing 2056 / 1D and shows nearest OD level of 3.30 m ODN at junction of Meeres Lane with London Road.

### **Flood Risk Assessment**

The site lies within Zone 3 of Environment Agency's indicative flood plain maps with annual probability of flooding 1% or greater from rivers and 0.5% or greater from the sea. Site lies some 8 Km from sea to the east . Nearest water course is the Kirton Drain some 250 metres to north west of the site which flows from south of Kirton with western end connected to drain system in the chain bridge catchment. The main potential source of flooding will be from the sea with defences to the east of the site at around 6.00 m ODN . These earth bank defences are maintained by the Environment Agency . As a result of these flood defences the Relative Probability of Flooding Maps in Boston's SFRA shows the site to be at low probability of flooding. Also, as result of these defences the residual risk is moderate. Finally, the site will benefit from the Boston Barrier which will be giving additional protection later this year.

Proposed garage is for domestic use and will not have human habitation. Electrical sockets will be minimum of 450 above ground floor level. Construction will be in masonry with concrete floor slab making in reasonably flood recoverable .The floor level of the proposed garage will be 150mm above existing ground at around 3.45 m ODN. It is not considered that the proposal will increase flood risk to existing surrounding buildings. The site has no history of flooding.

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