

## **SITE LOCATION AND DESCRIPTION**

### **Site Location**

The site is situated within the boundaries of 59 The Drove, Barroway Drove, DOWNHAM MARKET PE38 0AJ. The National Grid Reference of the site is 557681/304135.

### **Proposed Development**

Stationing a mobile home to be used as an annexe by family members as an integral part of the overall use of the house as a single dwelling

## **FLOOD RISK VULNERABILITY**

### **Vulnerability Classification**

The site is in Flood Zone 1 and the development is 'More Vulnerable' therefore it is not necessary to complete the Exception Test.

PPG Flood Risk and Coastal Change defines that the lifetime of the development in terms of flood risk and coastal change is 100 years.

## **SITE SPECIFIC FLOOD RISK**

### Sources of Flooding

Possible source of flooding that has been identified as a result of this assessment is surface water flooding. There is potential risk of surface water flooding within 250m of the property, although classed as 'Negligible'. There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1% annual probability of occurrence.

Possible source of flooding that has been identified as a result of this assessment is Risk of Flooding from Rivers and Sea (RoFRS). There is a risk of flooding identified within 250m of the development based on the Risk of Flooding from Rivers and Sea (RoFRS). Risk is classed as 'Medium', this has a chance of less than 1% annual probability of occurrence.

The site is not at risk of fluvial flooding, tidal flooding, or a breach of the tidal defences.

### Probability of Flooding

The Environment Agency Long Term Flood Risk Maps indicate the probability and depth of surface water flooding. During:

- high risk (annual probability 3.3%) events the site is not at risk of surface water flooding;
- medium risk (annual probability 1%) events the site is not at risk of surface water flooding; and
- low risk (annual probability 0.1%) events part of the site is at risk with depths below 0.3m.

The site or access are not at risk during the 1% annual probability (1 in 100 chance each year) event.

### Historic Flooding

During the preparation of this assessment, no evidence was discovered of the site being flooded historically.

### Climate Change and Residual Risk

Climate change is likely to impact the site through increased rainfall intensity and duration affecting the risk of surface water flooding.

An estimate of the 1% annual probability (1 in 100 chance each year) surface water event with an allowance for climate change can also be made from the 0.1% annual probability (1 in 1000 chance each year) event. The Environment Agency Long Term Flood Risk Maps shows that during this event the flood depth within the site is below 0.3m.

## **FLOOD RISK MITIGATION**

### **Summary of Risks**

Based upon the SFRA the site is not at risk of fluvial flooding, tidal flooding, or a breach of the tidal defences.

The site is at risk of surface water flooding. The Environment Agency Long Term Flood Risk Maps show that part of the site is at risk of surface water flooding with a depth below 0.3m during the 1% annual probability (1 in 100 chance each year) with climate change event.

The site is at Risk of Flooding from Rivers and Sea (RoFRS). There is a risk of flooding identified within 250m of the development based on the Risk of Flooding from Rivers and Sea (RoFRS). Risk is classed as 'Medium', this has a chance of less than 1% annual probability of occurrence.

### **Mitigation Measures**

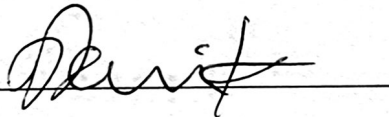
Based upon the information available during the preparation of this flood risk statement the finished floor level of the mobile home will be a minimum of 0.3m above surrounding ground level.

### **CONCLUSIONS**

As a result of the assessment, the following conclusions have been reached.

- The proposed development "Stationing a mobile home to be used as an annexe by family members as an integral part of the overall use of the house as a single dwelling" at 59 The Drove, Barroway Drove, Downham Market, PE38 0AJ.
- The proposed development is in Flood Zone 1. The site is not at risk of fluvial flooding, tidal flooding, or a breach of the tidal defences.
- The site is possibly at risk of surface water flooding with a depth below 0.3m during the 1% annual probability (1 in 100 chance each year) with climate change event.
- To mitigate against the risk of flooding the finished floor level of the mobile home will be a minimum of 0.3m above surrounding ground level.

Signed



Name Andrew Derrick

Date : 30 / 07 / 2022

On Behalf of - Kerry Sumner