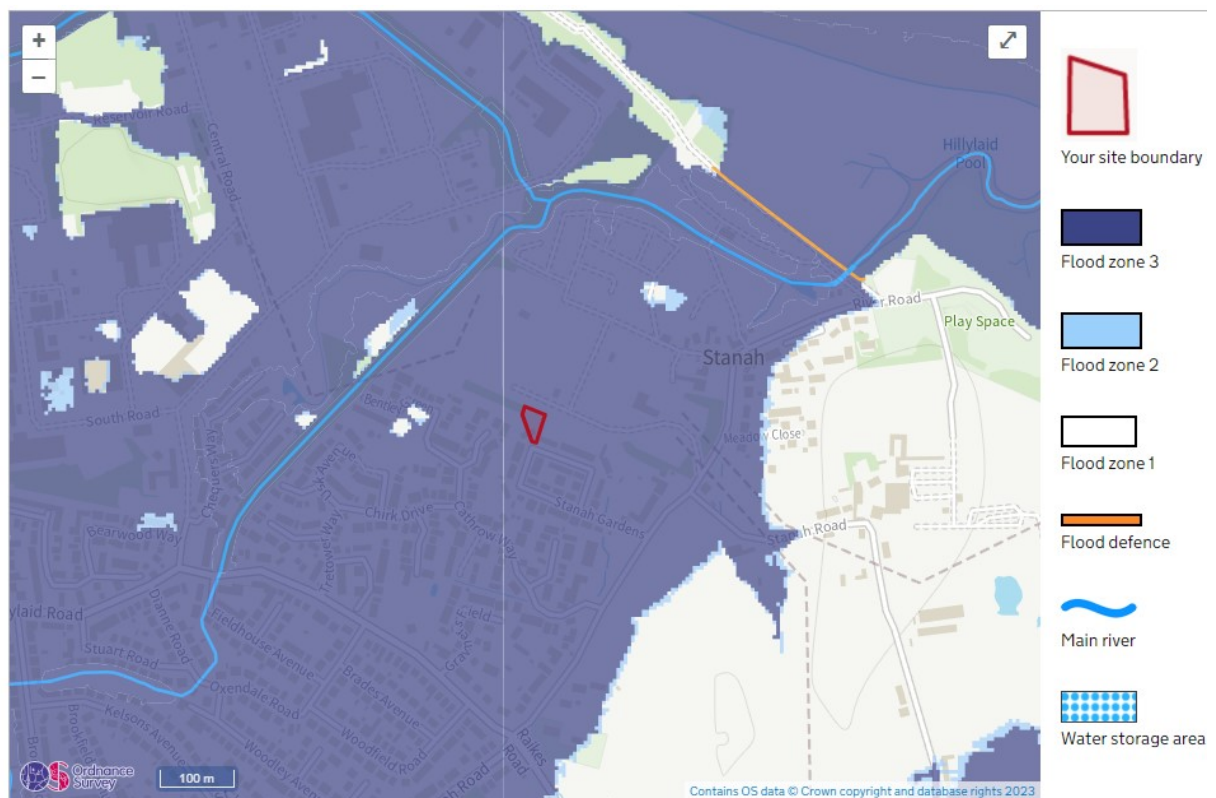


## FLOOD RISK ASSESSMENT

### PROPOSED SINGLE STOREY REAR & SIDE EXTENSIONS AND ALTERATIONS, 16 STANAH GARDENS, THORNTON CLEVELEYS LANCASHIRE FY5 5JH

Flood Risk Zone: 3



#### FLOOD RISK ASSESSMENT:

As the site falls within Flood Zone 3, which is defined by the Environment Agency as Land that has a high probability of flooding from rivers and the sea. The proposed floor level within the extension will be set no lower than existing floor levels which are currently approximately 520mm above external ground levels.

**Flood proofing of the proposed development has been further considered by the applicant with additional measures to possibly include the following:**

#### **Sewerage Bung**

(Inflatable device to insert in U bend of toilet to prevent sewage backflow)

Non-return valves 12mm overflow pipe

(Valve prevents backflow via overflow pipe)

**Non-return valves 110mm soil waste pipe**

(Prevents backflow via soil waste pipe)

**Non-return valves 40mm utility waste pipe**

(Valve prevents backflow via waste pipe)

Other measures to be considered:

**Silicone gel around openings for cables etc.**

(Prevents flooding via openings for cables to access properties)

**Water resistant repair mortar**

(Water resistant mortar used to repair walls and improve future resistance)

**Water resistant insulation**

(Wall insulation/ new dry lining with water resistant insulation)

**Water resistant plaster**

(New plaster skim to dry lining to water resistant material in property)

**Consider fitting plastic bathroom units to minimise water damage.**

(Applicable as a resilience measure for any new ground floor bathrooms)

**Move electrics well above likely flood level**

(Re-wiring of electrics (such as socket points) above flood level to 450mm above finished floor level with all feeds brought from above)

**Mount boilers on wall**

(Raise boiler/ relocated boilers above flood level)

**Install/ improve damp proof course to resist groundwater flooding.**

### Further Flood Emergency Plan Assessment

- **Move furniture and electrical items to safety**
- **Put flood boards, polythene and sandbags in place**
- **Make a list now of what you can move away from the risk**
- **Turn off electricity, water and gas supplies**
- **Roll up carpets and rugs**
- **Unless you have time to remove them hang curtains over rods**
- **Move sentimental items to safety**
- **Put important documents in polythene bags and move to safety Garden and outside**
- **Move your car out of the flood risk area**
- **Move any large or loose items or weigh them down**
- **Move important documents, computers and stock**
- **Alert occupants and request their help**
- **Move animals and livestock to safety Evacuation - Prepare a flood kit in advance**
- **Inform your family or friends that you may need to leave your home**
- **Get your flood kit together and include a torch, warm and waterproof clothing, water, food, medication, toys for children and pets, rubber gloves and wellingtons**