



17th October 2023

**PROPOSED BOUNDARY FENCING AT 129 NORTHUMBERLAND AVENUE, THORNTON-CLEVELEYS
FRA MINIMUM REQUIREMENTS-PLANNING APPLICATION**

Further to submitting a planning application regarding our client's proposal for the above works and the requirement for the provision of a FRA as the property is located in the Flood Zone 2.

It is proposed to install a fence to the boundary of the existing property at 129 Northumberland Avenue, Thornton-Cleveleys.

The predicted flood levels for various events are provided by EA in the Product 4 data which covers a number of modelled scenarios. Data has been taken from the Product 4 Data as attached. The results of which are:

Tidal defended 0.5% AEP+ Climate Change (20%) + 670mm SLR is 4.86m AOD
Tidal defended 0.5% AEP+ Climate Change (20%) + 970mm SLR is 5.41m AOD
Tidal undefended 0.1% AEP is 5.14m AOD
Tidal undefended 0.5% AEP+ Climate Change (20%) + 370mm SLR is 5.26m AOD
Tidal undefended 0.5% AEP+ Climate Change (20%) + 670mm SLR is 5.74m AOD
Tidal undefended 0.5% AEP+ Climate Change (20%) + 970mm SLR is 6.24m AOD

Table 3: sea level allowances from the flood risk assessment: climate change allowances guidance shows that the total potential cumulative rise from 2000 to 2125 anticipated is 1.01m for the North West. The 1 in 200 year flood level is 6.24m AOD including Climate Change and 970mm sea level rise. Therefore, including the cumulative rise it provides a flood level for a 1 in 200 year event + climate change and 970mm SLR of 6.54m AOD.

In the unlikely event of a breach of the existing flood defences during an extreme return period tidal flood, inundation of the Thornton-Cleveleys area and potentially the development may occur. The flood risk to the development would be dependent upon a number of factors including the magnitude of the event, location and extent of the breach and the timing of the emergency

response. It is important to highlight that the likelihood of such a potentially catastrophic event is extremely remote.

There are no requirements for mitigation measures for the proposed fencing to the boundary.

We trust this is to your approval. If you should have any enquiries please contact the writer at the above address.

Yours faithfully

