

EXTENSIONS  
 28 HUDDLESTON ROAD  
 MILLOM LA18 5AH

FOR MR. J. BARKER



## Householder and other minor extensions in Flood Zones 2 and 3

This guidance is for domestic extensions and non-domestic extensions where the additional footprint created by the development does not exceed 250 sq. metres. It should NOT be applied if an additional dwelling is being created, e.g. a self contained annex. In this instance consult the Environment Agency.

We recommend that:

### Planning Authorities:

- 1) Refer the applicant to the standing advice pages on the Environment Agency website or provide them with a copy of this page for them to include as part of the planning application submission.
- 2) Check the planning application to ensure that one or other of the mitigation measures from the table below has been incorporated.

### Applicants:

Complete the table below and include it with the planning application submission. The table, together with the supporting evidence, will form the Flood Risk Assessment (FRA) and will act as an assurance to the Local Planning Authority (LPA) that flood risk issues have been adequately addressed.

Applicant to choose one or other of the flood mitigation measures below	Applicant to provide the LPA with the supporting information detailed below as part of their FRA	Applicant to indicate their choice in the box below. Enter 'yes' or 'no'
Either ;  Floor levels within the proposed development will be set no lower than existing levels AND, flood proofing of the proposed development has been incorporated where appropriate.	Details of any flood proofing / resilience and resistance techniques, to be included in accordance with 'Improving the flood performance of new buildings' CLG (2007)	YES          (P70)
Floor levels within the extension will be set 300mm above the known or modelled 1 in 100 annual probability river flood (1%) or 1 in 200 annual probability sea flood (0.5%) in any year. This flood level is the extent of the Flood Zones	This must be demonstrated by a plan that shows finished floor levels relative to the known or modelled flood level. All levels should be stated in relation to Ordnance Datum <sup>1</sup>	NO

### Subterranean/basement extensions

Due to the risk of rapid inundation by floodwater basements should be avoided in areas at risk of flooding. The LPA may hold additional guidance for basement extensions.

Self-contained basement dwellings are 'highly vulnerable' development and should not be permitted in Flood Zone 3. We are fundamentally opposed to these developments.

Continued...

<sup>1</sup> Ordnance Datum or the abbreviation 'OD' is the mean level of the sea at Newlyn in Cornwall from which heights above sea level are taken. The contour lines on Ordnance Survey maps measure heights above OD for example, though these are not accurate enough for a flood risk assessment..

- o THE EXTENSIONS FLOOR LEVELS ARE TO BE IN THE SAME PLANE AS THE EXISTING HOUSE GROUND FLOOR
- o THERE IS AN INCREASE IN DRAINED SURFACE WATER FOR BOTH EXTENSIONS OF 27.4 m<sup>2</sup>, ENTERING THE COMBINED SEWER SYSTEM.
- o THERE IS NO SPACE FOR SOAKAWAYS, AS S.O.M IS REQUIRED FROM ANY BUILDING + 2.5 m FROM ANY BOUNDARY
- o THERE ARE NO GROUND FLOOR W.C'S OR OTHER DRAINS ENTERING THE DWELLING AT GROUND LEVEL
- o APPLICANT PROVIDED WITH COPY OF "ENVIRONMENT AGENCY" GUIDE ON FLOOD DAMAGE LIMITATION, + E.A. FLOODLINE TEL NO 0845.998.1188.

### FLOOD RISK MEASURES

- o NEW ELECTRICAL SOCKETS + SWITCHES TO BE LOCATED MINIMUM 450(18") ABOVE FLOOR LEVEL, AS PER BUILDING REG'S REQUIREMENT + AS PER NOTE 4 ON PLAN NO 1801, + WIRED TOP DOWN.
- o FLOOD BOARDS TO BE MADE, + STORED READY FOR USE, FOR BOTH DOORS INTO DWELLING (UNLESS FLOOD RESILIENT DOORSETS FITTED)
- o IN THE EVENT OF FLOODING, BACKINLET GULLIES TO BE PLUGGED / COVERED, WITH SANDBAGS ETC, + INSP CHAMBER COVERS WEIGHTED WITH SAME, TO REDUCE BACKFLOW FROM SEWER SYSTEM
- o APPLICANT TO CONSIDER REGISTERING WITH E.A. AUTOMATIC FLOOD WARNING SYSTEM.