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Flood Resilient Measures At Lime Walk, Long Sutton

The wording relating to Conditions 17 and 18 (Approval H11-0842-23) is currently being reviewed. Under the proposed modifications, finished floor levels are to be set at 3.4m AOD and flood resilient construction will be incorporated up to 300mm above finished floor level.

From a flood risk perspective increasing finished floor levels reduces the risk. It is currently proposed that the Conditions are changed to state that the finished floor level is to be set at not less than 3.4m AOD.

The inclusion of 300mm of flood resilient construction above finished floor level provides additional flood mitigation above the estimated flood level. When floor levels are at the minimum of 3.4m AOD flood resilience measures would be incorporated up to a level of 3.7m AOD.

Where floor levels are above 3.4m AOD providing 300mm of flood resilient construction would lead to these measures being incorporated significantly above the flood level. It is proposed that the Condition is changed to state that flood resilient construction will be incorporated up to 3.7m AOD rather than to 300mm above floor level.

The recommendations of the Flood Risk Assessment have been reviewed. The FRA recommended flood angel air bricks, a flood resistant measure. Whilst flood angel air bricks would be of benefit as part of a suite of flood resistant measures they provide minimal benefit if proposed in isolation. For clarity the flood resilient measures that the applicant is proposing to be incorporated are:

- Low level rigid cavity insulation;
- Raised Electrical Outlets; and
- Electrical services circuits to be routed at first floor level and fed downwards.

Flood resilient measures, or the use of flood angel (or similar) air bricks, are not proposed above 3.7m AOD.

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