## Flood Risk Assessment

## Site Details:

The proposed development site is located at Land West of 6 Birch Grove, West Winch, PE33 0PQ. The site is located in an area with low flood risk (1% AEP) from surface water and an area where flood risk from surface water (1% AEP 40% Climate Change) is also present due to climate change. There are no buildings located on the site. There are other forms of vegetation located onsite which is a willow located close to the east boundary of the plot and there are also some shrubs and small trees located at the northern, southern and western parts of the boundary. Terrain is sloping very slightly towards the western boundary. The land is covered mainly with grass. There is a small patch of ground dedicated to growing plants at the south of the plot. In the southeast of the plot there is a small area dedicated to hen breeding. Site Location Plan containing all relevant information including flood risk assessment maps can be found in the attachments.

## Proposed Development:

The development proposal for the above site is erection of a double storey dwelling house. Existing and Proposed Block Plans can be found in the attachments. Vulnerability classification of the proposed development is defined as more vulnerable. Estimated lifetime of the proposed development is likely to be more than 100 years. The average ground level of the site is 6.6m. The access road next to the building is 6.6m. Finish floor level of the lowest room in the building is 6.7m.

Methods of Flood Risk Mitigation and Management:

Because the estimated flood depth is below 0.3m the proposal employs resistance measures aiming to keep water outside the building at times of flooding. Resistance measures will include the use of materials and construction with low permeability, door guards and airbrick covers. The proposal will also be using soakaways in order to manage the surface water runoff.

Conclusions and Any Other Details:

The proposal is located in an area with low flood risk (1% AEP) from surface water and an area where flood risk from surface water (1% AEP 40% Climate Change) is also present due to climate change will employ resistance measures to keep water outside at times of flooding as the estimated flood depth is below 0.3m.

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0PQ

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