

SWIFT HOMES LTD.

PHASE 4 – RESIDENTIAL DEVELOPMENT FOR 8 DETACHED DWELLINGS PLUS ASSOCIATED INFRASTRUCTURE AND LANDSCAPING.

LAND TO NORTH OF THE MOUNT, WHITEHAVEN.

REF: 4/20/2179/0F1

STATEMENT IN RESPECT OF PROPOSED AMENDMENTS RELATIVE TO CONDITION 6.

Condition 6 of planning approval 4/20/2179/0F1 related to the provision of a Wind Turbine Noise Assessment in respect of an existing wind turbine to the north of the development site.

Information relating to condition 6 was submitted for consideration and approved in writing on 08/03/2021. Planning document ref: 4/20/2446/DOC refers.

In approving the submitted information, the LPA consulted with Environmental Health (EH). During this process, the Scientific Officer applied a methodology relative to the elevation of the existing wind turbine above sea level in comparison to the finished floor levels and ridge heights of the approved dwellings. The methodology related to plots 47 and 64 being the nearest plots to the existing wind turbine and concluded that *'in both these cases the distance to the wind turbine was greater than 20H so turbulence should not be an issue'* (direct extrapolation from EH email dated 04/01/2021). This statement was caveated with the comment that any changes to the approved development would need to be re-considered.

The s.73 application to vary condition 2 of 4/20/2179/0F1 includes a dwelling type substitution on plot 64 along with minor raising of floor levels on plots 43, 45, 47 and 64. This assessment once more relates only to plots 47 and 64 being the two highest plots on phase 4 nearest to the turbine.

Using the same methodology and turbine base height 130m above sea level (as applied by Environmental Health in their email dated 04/01/2021), the proposed changes to plots 47 and 64 would re-calculate as follows.

- Plot 47 is about 140m from the turbine; the dwelling type remains as approved with a height to ridge of 6.85m and a finished floor level of 129.50. This means that the ridge elevation is 134.35m or 4.35m relative to the base of the turbine. Therefore $20H$ equates to $20 \times 4.35 = 87m$.
- Plot 64 is about 125m from the turbine; the dwelling type is now a type C as opposed to a type B with a height to ridge of 5.65m and a finished floor level of 130.00. This means that the ridge elevation is 135.65m or 5.65m relative to the base of the turbine. Therefore $20H$ equates to $20 \times 5.65 = 113m$.

In both the above cases, the distance to the turbine is greater than $20H$ and therefore the proposed layout changes are compliant based on the approved methodology.

Alpha Design
27/03/2021