Rustington Golf Course

Condition 24. Noise Mitigation for Piling

This statement compiles information on behalf of Barratt David Wilson setting out their strategy relating to foundations, the need for piling and the noise mitigation proposed in accordance with condition 24.

Condition 24 states:

Where piling works are necessary, a scheme for noise mitigation shall be submitted to the local planning authority and shall be in accordance with BS5228 (Parts 1 & 4) for noise control. The scheme shall specify the proposed piling method and the reason for its selection. This shall consider the ground of the proposed development site and the proximity of residential properties. Piling shall not commence until written approval has been obtained from the local planning authority.

The dynamic probing on the site has shown the ground conditions to be variable with very low blow counts within the top 2-3 metres. This led our ground investigation team and engineers to design a piled foundation solution for the site.

The piling to be used will be Continuous Flight Auger (CFA) system. This seeks to minimise noise and vibration. CFA piling produces less than 3mm/s Peak Particle Velocity (PPV). This is considerable less than figures in excess of 50mm/s PPV that are created from driven piling.

Details of the Sound Levels and Operation details are included with this submission.