Genn Lane, Worsbrough, Barnsley

Sustainability Statement

CODE FOR SUSTAINABLE HOMES: Each house will achieve Code for Sustainable Homes level 3, which demonstrates a high standard of sustainability across a range of environmental categories:

1. ENERGY: The building will improve upon the Building Regulations carbon emissions standards and meet the CSP3 to reduce carbon emissions by 15%. This will be achieved with a highly insulted envelope, low air permeability, highly efficient boilers and sensitive controls. All lighting will be low energy.

2. WATER: Water use will be limited to less than 105 litres per person per day by the use of ultra low volume WCs and water restrictors.

3. MATERIALS: Materials will be selected for their low environmental impact (not less than A-rated in the BRE Green Guide) and responsible sourcing (Environmental Management Systems, Chain of Custody etc).

4. SURFACE WATER RUN OFF: Sustainable drainage systems will be used to ensure that the scheme discharges no additional surface water into the public sewer. The site is not located in a flood risk area.

5. WASTE: The scheme will meet or exceed minimum site waste management plan standards.

6. POLLUTION: Insulating materials will only use substances that have a global warming potential of less than 5 in manufacture and insulation, and boilers will have a dry Nitrous Oxide level of less than 40 mg/kWh.

7. HEALTH AND WELLBEING: Excellent daylighting levels are achieved in the lounge dining rooms; party walls will exceed the Building Regulation sound insulation requirements.

8. MANAGEMENT: Residents will be provided with a Home User Guide which will understand and operate their homes efficiently. The contractor will be required to set environmental targets for the construction works and will be monitored against them.