

Kirklees Council – Climate Change Statement

Part 1: Applicant Details

Name of applicant/agent: Joe Dempsey, Joe&Co Architects

Site address: Plot 27, Land at Lingards Road, Slaithwaite, Huddersfield, HD7 5HY

Description of development: Proposed reconfiguration of Plot 27 to form 3 residential apartments with associated communal and private amenity, landscaping and parking.

Part 2: Climate Change Mitigation Measures

What measures have been/will be taken to reduce the energy demand associated with your proposed development beyond the minimum required in Building Regulations?

A fabric-first approach underpins the proposal, in line with the wider Lingards Road development, with high-performance insulation, airtight detailing, and efficient glazing. The building massing allows shared party walls between apartments to reduce heat loss. Window design is optimised for natural daylighting, reducing dependence on artificial lighting. Apartments are expected to achieve an EPC B rating or above through envelope performance and efficient heating. Heating and hot water will be provided via electric systems, with capacity for low-carbon upgrades in future.

What measures have been/will be taken to limit the carbon consumed through the implementation and construction processes?

Construction methods are consistent with the wider approved development, using locally quarried natural stone and materials sourced from regional suppliers. The revised layout maintains the overall architectural language and footprint of the previously approved dwelling, minimising disruption. A dedicated site waste plan will ensure recycling of offcuts and packaging where possible. Timber specified for internal works will be FSC-certified where applicable.

What measures have been/will be taken to utilise renewable or low carbon energy sources?

The building has been designed to be solar-ready, with suitable roof pitch and orientation to allow installation of PV panels in future. All electric heating systems with high-efficiency controls will be used, aligning with the anticipated future decarbonisation of the grid. Thermal massing and airtightness will be optimised to reduce heating demand.

What measures have been/will be taken to ensure the building design and layout has been optimised to energy efficiency beyond the minimum requirements in Part L of the Building Regulations?

Windows are oriented primarily south and west, maximising passive solar gain and reducing winter heating loads. North-facing and gable walls have smaller windows to reduce heat loss. The third apartment level (in roof) provides thermal benefit from surrounding insulation. The apartment layout enables compact services distribution, further reducing energy loss.

What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development?

The plot is located within Flood Zone 1 (lowest risk) as confirmed in the original application. Existing surface water drainage will be extended to serve this plot, and hard landscaping will be finished in permeable surfacing. The landscape layout has been amended to ensure suitable drainage falls and soft landscape buffers.

What measures have been/will be taken to reduce water stress associated with your proposed development?

Water-efficient fittings will be used throughout, including dual-flush WCs and low-flow taps and showers. Apartments will be individually metered. The roof has capacity to support future rainwater harvesting if implemented at a later stage.

What measures have been/will be taken to provide biodiversity net gains?

No existing vegetation or trees are being removed. Landscaping includes native species and low-maintenance planting. The revised car parking layout accommodates soft landscaped margins to support habitat resilience. Private and communal outdoor spaces support urban greening and informal habitat.

What measures have been/will be taken to reduce air pollution associated with your proposed development?

Construction will adhere to best-practice site emission controls, including dust suppression and use of low-emission equipment. EV charging capability is integrated in line with Part S of the Building Regulations. The site is within walking distance of local shops, bus routes, and Slaithwaite rail station, reducing car dependency.