

ST PAULS ROAD, MIRFIELD
Planning Application No 2019/90499

Project Sustainability Appraisal

In response to the Kirklees council local plan policies (LP24) and the council's declaration of climate emergency, this appraisal has been provided to illustrate the sustainability of the proposed development at St Pauls Road in Mirfield, and the measures intended to help address climate change within its design. This document provides an expansion of the information provided in Section 4 of document 501.01(02) Planning Statement that was submitted as part of the planning application.

Building Regulations

-The building has been developed and detailed to ensure the walls, floors and roof all achieve a u-value to meet the required regulations for non-domestic buildings. SAP calculations and building performance tests will be conducted as the project progresses to further assess the building from a material performance perspective.

Solar Gain and Building Orientation

-The building has been designed to maximise the site and its layout, in the horseshoe formation as per the clients' request. In creating this horseshoe arrangement, nearly all of the flats within the development have an elevation that is south facing, whether they are the kitchens facing onto the central courtyard or the lounge / bedrooms facing onto St Pauls Road. This orientation maximises the passive solar gain potential for the development.

-Although a landscape design scheme has yet to be finalised for the project, the intention for the scheme is to create a positive green environment for the residents to enjoy. This will include individual residents' gardens and large communal green spaces, with plants, trees and allotment spaces being incorporated to create a design that appeals to all. The incorporation of an integrated landscape design scheme will further increase the sustainable nature of the development.

Recycled or low-carbon materials

-The current building that is located on the St Pauls Road site is not considered appropriate for refurbishment and re-use. Thus the existing building will be demolished, but the intention is to use as much of the existing stonework as we can in the proposed development.

Renewable Energy

-The client has suggested that renewable energy will be designed into the scheme in the form of solar photovoltaic panels. These panels are illustrated on the roof in locations that face onto the courtyard. The panels in these positions will not have an impact on the overall buildings aesthetics, nor will they have an impact on the buildings in the surrounding area.

Water Consumption

-A lot of sanitary ware companies now stock and are developing products that incorporate water controls to reduce water flow rates and in doing so reducing water consumption.

Response to Kirklees Council climate emergency

-As part of the car parking provision within the site development, there can be a provision for electric vehicle charging points if this is required. This responds to the climate emergency requirement to increase the amount of electric vehicle charging points.

-A cycle store will be provided as part of the development to encourage staff working in the development to cycle to work rather than driving to work, if they are suitably located within the local area

-The design of the scheme aims to promote external use by the building residents, by creating inviting outdoor greenspaces. These can promote walkable neighbourhoods that are safe environments for the users of the proposed building. Within the local area, shops, cafés, restaurants and the Mirfield library are in close proximity, which can provide an additional feature to the development.

-It is the intention to retain as many of the existing trees around the site as we can. They provide a green permeable barrier between the proposed development and the neighbouring Ings Grove Park.

Connect Housing client statement

Connect Housing is committed to responding to the climate change emergency and will endeavour to develop the scheme to the highest environmental standards and will aim to exceed current building regulation standards in terms of u value's, renewal energy and water consumption. Connect's procurement strategy will involve early contractor involvement to ensure that sustainability is at the forefront of delivering a high quality scheme that responds to the climate change emergency.