A&H
STRUCTURES LTD
01335 350419 sales@aandhstructures.co.uk

Design & Access Statement

Proposal: Proposed replacement agricultural building to house livestock
Site Reference: Mr P Lymer, Green Gutter Farm, Bottomhouse, Leek, ST13 7QN

Character appraisal

This holding is located south east of Leek in a rural area. The land and buildings are being used for fundamental agricultural processes. This holding extends to 51 acres. This farmland is currently used to rear 20 head of cattle and to produce fodder. The field boundaries in this area comprise of stone walls and hedgerows.

Amount of development

The applicant wishes to erect a replacement steel framed agricultural building. The floor area created by this development will be 236.90m². The floor area of this building will be of an open plan type design and livestock will be loose-housed.

This proposal will assist the farm to be economically viable.

Use of proposed building

The existing building to be demolished (as shown on Drawing No. 1246-002) is beyond economical repair and is not animal welfare friendly.

There is not sufficient enough room in the existing buildings to house the stock levels and to store the fodder and implements required to manage the holding. The applicant is fully aware of the inadequate housing and storage facilities available.

Defra regulations state that animals are not meant to poach the ground therefore housing for animals is essential.

The Welfare of Farmed Animals (England) Regulations 2007 (S.I. 2007 No. 2078) Schedule 1, paragraph 13, states that:

- air circulation, dust levels, temperature, relative humidity and gas concentrations shall be kept within limits which are not harmful to the animal

All new buildings should be designed with the animals' comfort in mind, and with the aim of preventing respiratory diseases. The buildings should provide

enough ventilation throughout the year for the type, size and number of stock to be housed in them.

FABBL requirements state that the space allowance for loose-housed cattle on a solid floor is a minimum of 3.0m² for 200kg cattle, 3.4m² for 300kg cattle, 3.8m² for 400kg cattle, 4.2m² for 500kg cattle, 4.6m² for 600kg cattle and 5.0m² for 700kg cattle.

This building will accommodate the required stocking densities and ventilation and also allow for a well-drained, dry lying area. All animals will have access to an adequate supply of clean drinking water at all times. This building will ensure good farm/stock management with easily maintained clean and hygienic conditions. This building will ensure a good strong future for his business.

Deep litter bedding will be used on the solid floor; this bedding will then be spread back on the applicants land.

Siting
This proposed replacement steel framed building is located south of the existing buildings as shown on drawing No. 1246-002. This is for ease of the farming process.

We feel this building has been positioned in the most practical location.

Scale
The applicant wishes to erect a steel framed agricultural building 22.860m long x 9.144m wide x 3.962m high to eaves level with a leanto building off the north east elevation 4.572m long x 6.096m wide x 3.962m/2.591m high to lower eaves level.

We feel the scale and appearance of this building is appropriate for the site.

Landscaping
The applicant is happy to carry out any landscaping scheme specified by yourselves in order to protect the amenities of the site and the area.

Any trees planted will be fenced from livestock and will be protected by either spiral-type rabbit guards with canes or Netlon mesh-type guards including canes.

A circle of 1 metre around the base of each tree shall be kept weed free for a period of at least 2 years.

Any trees that die, become seriously damaged or diseased will be replaced by trees of similar size, unless there is reason to believe that the original species chosen was unsuitable for the site, in which case an alternative appropriate species will be used.

All planting would be carried out in the first planting season following the construction of the building.

Trees will be provided in accordance with BS 3936 and planting to be in accordance with BS 4428.

Appearance
As indicated on drawing No. 1246-003 this replacement building will incorporate a natural coloured fibre cement sheeted roof.

Vertical cladding down 2.134m below eaves level along the north east side elevation of the main span for 9.144m to be treated Yorkshire boarding.

Vertical cladding down 2.134m below eaves level along the south west side elevation and both gables of the main span to be polyester coated box profile steel sheeting coloured Slate blue (18B29) and 914mm below lower eaves level to the north east elevation of the leanto and the north west gable elevation.

All roof and vertical joints will be made good with matching barge board.

Below cladding to be pre-stressed concrete panels.

Along each side of the building will be 160mm half round black PVC gutters complete with 110mm diameter black PVC rainwater piping to terminate at ground level with a shoe.

We feel these materials will blend into the existing landscape without having an adverse effect.

This building has been designed in accordance with B.S. 5502.

The design of the building is specific for the wellbeing of the animals kept therein.

Access
Access to the building will be from existing vehicular roadways to and around the holding. The applicant does not seek to increase the number of roadways.

Access can be gained to this holding from the A523.

There will be no impact on the access to the site and vehicle impact to the surrounding area will be unaltered.