

Design and Access Statement

Applicant: Daniel Wise
New House Farm,
12 Round Hill Lane,
Upper Heaton,
Huddersfield,
HD5 0PP.

Holding No: 49/344/0755

Introduction

New House Farm is a privately owned farm along with some additional rented land totalling Around 83.42Ha. This land is used to grow combinable crops alongside grass to feed a growing suckler herd and finish additional beef cattle.

Proposal

The proposal is to erect an agricultural steel framed building which will be used to house cattle, the sucklers during the winter and then finishing cattle over summer.

The building is to be designed around a slatted tank system, this means there will be a centre feed passage with a slatted area for the cattle either side. The slats will have slat mats on to add to the comfort for the cattle. There will be a concrete tank underneath to collect the slurry.

The proposed building is to be located relatively near to other existing agricultural buildings so will not be very dominant when viewed from nearby dwellings.

Justification

The buildings currently located at New House Farm are currently utilised to capacity. The main building being the cattle shed which currently houses the entire suckler herd alongside last years calves and additional cattle for finishing. Straw and barley are also stored in this building periodically due to other buildings being full. Other nearby buildings include a straw barn and small grain shed, the straw barn is filled with straw at harvest to be utilised over winter, similarly the grain shed with barley. Other buildings utilised by the farm are to the north in the older part of the farmyard, these include a more modern grain store, a grain tower stone barns and an old cattle shed. The grain stores house the grain at harvest, the stone barns are utilised as best they can be for smaller items and the old cattle shed is used to store machinery.

The proposed new building will be used to house around 80 cattle, this will free up space in the existing cattle shed. This space can then be used to either house additional cattle, enough straw for a whole year, machinery, or additional grain in a bumper harvest.

Design

The design of the new building minimises the impact on the surrounding area by incorporating the slurry tank underneath, meaning no additional storage is required. The proposed layout also means a lot more cattle can be housed in the building than a straw bedded court.

The design of the new building is to avoid the need to buy in such large volumes of additional straw to bed the cattle down, this will make the farm more self sufficient and should future proof the business.

Slurry Regulations

The slurry tank is to be internally 14.33m x 20.42m with a depth of 3m. when calculating the volume of slurry storage available you must allow 300mm of free board so a depth of 2.7m is utilised.

Storage capacity $14.33 \times 20.42 \times 2.7 = 790\text{m}^3$

Volume of slurry collected each month, 80 suckler cows x $0.98\text{m}^3 = 78.4\text{m}^3$ per month.

As the building is roofed and gutters will be diverted away from the tank no rainwater will be collected in the tank.

This information was taken from [TableF.pdf \(everysite.co.uk\)](http://TableF.pdf(everysite.co.uk)) from the Defra website.

The minimum required storage period is 4 months or 5 for an NVZ (Nitrogen Vulnerable Zone) which we are not currently in.

$790\text{m}^3 / 78.4\text{m}^3 = 10$ months storage capacity. The regulations are comfortably met.

This increased capacity will allow us to apply slurry when crops will most benefit from it rather than because the store is full. We will be able to apply slurry before 1st, 2nd and 3rd cut silage, before summer grazing and before drilling cereal crops, meaning the slurry will be targeted to the best application timings minimizing runoff and pollution.

Appearance

The proposed building is to have a 15 degree roof pitch and have the same appearance as the existing cattle building. The roof is to be clad with fibre cement roof sheets incorporating grp rooflights, with a protected open ridge. The sides and gable ends are to be clad with Yorkshire boarding above 1.5m of concrete panels. The concrete tank which will be located underneath the building will mainly not be visible except for concrete lids at ground level with mixing points located on the gable ends of the building. The proposed building will have very little impact on the nearby houses as it is sited near to existing buildings.

Access

The proposed building will be accessed the same way as the existing buildings, as is shown on the site and location plan provided. There is no new access to the highway needed for this proposal.