

The National Park Officer
North York Moors National Park Authority
The Old Vicarage
Bondgate
Helmsley
YO62 5BP

01 October 2022

Dear Sir

PROPOSED AGRICULTURAL BUILDING FOR THE STORAGE OF MISCANTHUS GRASS, THORNY BECK, STUBBS LANE, STAINTONDALE YO13 ODY FOR TEYDALE FARMING LIMITED


I enclose a Prior Notification planning application for your consideration. The application fee of £96 will be sent direct by the applicant.

Attachments:

1. planning application form,
2. supporting Agricultural Information form,
3. additional supporting document,
4. 1.2500 site location plan dwg. no. 1513-1,
5. 1.500 scale site layout plan dwg. no. 1513-2,
6. 1.200 scale general arrangement drawing dwg. no. 1513-3,
7. 1.10,000 scale site ownership dwg. no. 1513-4.

Should you require any additional information or illustration please contact me.

Yours faithfully



Richard G Winn
Architectural Design

Copy: Mr R Owen, Tyedale Farm, Whitby Road, Cloughton

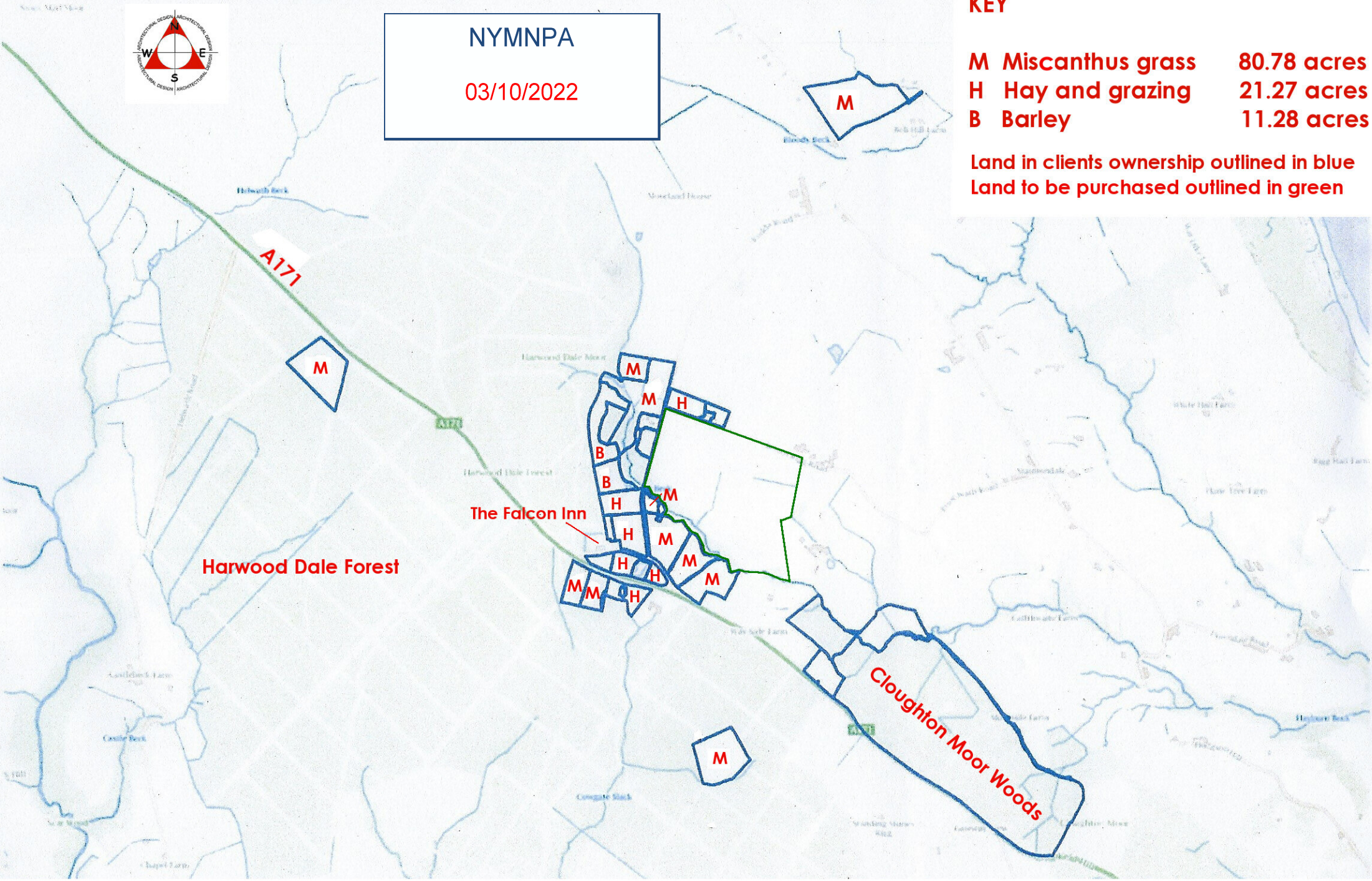


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03/10/2022

KEY

- M** Miscanthus grass 80.78 acres
- H** Hay and grazing 21.27 acres
- B** Barley 11.28 acres

Land in clients ownership outlined in blue
Land to be purchased outlined in green



LAND OWNERSHIP

Teydale Farming Limited

scale 1.10,000 date: Sept 2022 Dwg. no.5013-4



Supporting Agricultural Information

Applicants are encouraged to complete the following as this will enable the Authority to speed up the processing of your notification/application. The purpose of this form is to provide basic information on the farm system to help assess the need and appropriateness of agricultural buildings within the National Park.

Application Reference: ...**Building for the storage of Miscanthus grass**.....

Site Address:**Thorny Beck, Stubs Lane, Staintondale**.....

Applicant Name:**Tyedale Farming Limited**.....

Livestock Numbers

Cattle

	Average number throughout the year	Additional information
Dairy Cows/Breeding Bulls	N/A	
Suckler Cows/Heifers over 24 months	N/A	
Followers (6 to 24 months)	N/A	

Sheep

	Average number throughout the year	Additional information
Breeding Ewes/Tups	N/A	
Replacement Ewe Lambs/Finishing Store Lambs	N/A	

Pigs

	Average number throughout the year	Additional information
Sows/Boars	N/A	
Weaners	N/A	

Continued.../

Others

	Average number throughout the year	Additional information
Other Livestock, i.e. Horses	N/A	

Land

	Area in Hectares	Additional information
Size of Holding	48.5 ha (120 acres)	
Available Grazing Land	See attached dwg	
Arable Lane	See attached dwg	
Moorland	N/A	
Grazing Land on Short Term Tenancy	N/A	

Agricultural Buildings

List main existing agricultural buildings and use	Approximate dimensions in metres	Is it a modern or traditional building?
1. Existing storage shed	24.384M x 22.733M	Traditional
2. Lean too storage shed	18.0x10.96x6.084 max	Traditional
3.		
4.		
5.		
6.		
7.		
8.		

Proposed building(s) and use	Dimensions in metres
1. Storage of Miscanthus grass	30.0 x 30.0 x 6.8 <>
2.	

Please Note: It would be helpful if you could attach a sketched block plan annotating which building is which as referred to above.

Please detail below how the farming operation on site may change as a result of the proposal i.e. increase in stock levels or justification for the use of the new building.

To promote the continued development of a growing enterprise and increase productivity

PROPOSED AGRICULTURAL BUILDING AT THORNY BECK FARM FOR TEYDALE FARMING LTD.

ADDITIONAL SUPPORTING DOCUMENTATION

Teydale Farming Limited was established in 2016. The purpose of the building is to promote the continued development of this growing enterprise.

Currently the site comprises 120 acres of agricultural land, which is used for grazing, growing hay, barley and similar crops.

Over the last two years my clients farming policy has evolved and they are proposing to plant 80 acres of their land with Miscanthus. The rest of the land is to be used for growing barley and hay and, in addition, planted with trees as part of a Woodland Creation Scheme, of which you will be familiar.

The additional building (numbered 3 on the attached plan) is required for the undercover storage of large Hesston bales (2.4 x 1.2 X 1.2M) of Miscanthus, honeycomb stacked, and it is envisaged that 500 bales (350 tonnes) would be produced per year. It is essential the bales be kept dry.

The proposed building (Unit 3) will be 30.0m x 30.0m x 6.8m <> high to the apex and 2.40m to the eaves and incorporate three roller shutter doors and two personal doors. The size is commensurate with the proposed use and acreage of the land and is to be constructed in materials to match the existing building, Unit 1.

Siting of Unit 3

Following a site investigation by the applicant, the founding material to the north of Unit 1 revealed running sand which is unsuitable for the construction of the proposed new building without onerous and expensive excavation and the installation of a land drainage system. This has necessitated siting the proposed building approximately 170M from the north elevation of Unit 1.

The building will be screened by the existing dense screen planting.

Miscanthus - a brief overview

Miscanthus is a promising biofuel thanks to its high biomass yield and low input requirements, which means it can adapt to a wide range of climate zones and land types.

A project to facilitate more planting of the perennial bioenergy crop Miscanthus has been awarded over £3.3 million in government funding.

The project, spearheaded by Miscanthus specialist Terravesta, will deliver improvements on the crop's entire establishment process in the UK. It will look at approaches to producing planting material, field preparation, innovative agri-tech, new planting techniques and technologies to monitor establishment in the field.

The Climate Change Committee states that to reach net zero, 700,000 hectares of bioenergy crops need to be planted by 2050 - that's 30,000 hectares a year starting in the immediate future.

Terravesta's science and technology director, Dr Michael Squance, says that Miscanthus is important for the UK to reach environmental targets.

For additional information see:

<https://farm-energy.extension.org/miscanthus-miscanthus-x-giganteus-for-bio-fuel-production/>

It is the applicant's intention to enter into a contract with Terravesta for the collection of the bailed grass and delivery to a Drax power station as a supplementary fuel.

In addition, Terravesta will provide support by providing agronomy advice and support for the duration of the contract - helping the applicant to maximise the potential output of the crop.

Through their Harvest Hub data management system they will record ecological data, such as carbon sequestration statistics, ensuring the environmental benefits from farming Miscanthus.

Terravesta has a 14-year contract with Drax power station, which has long-term government support.

Vehicular movement

Owing to the applicant's proposed changes to the planting cycle and land usage, it is not envisaged that there will be any appreciable change in vehicular movement to and from the site or the adjoining land.

Conclusion

The applicant's proposals will reduce carbon emissions and assist in reaching the Government's environmental targets.

The proposals are generally in accord with the Park's Renewable Energy Supplementary Planning Document: section 5.3.

In view of the above the applicant asks that consideration be given to approving the applicant's enterprise.

Architectural Design

30 September 2022