AGRICULTURAL LAND CLASSIFICATION

HAMBLETON LOCAL PLAN

PROVIDENCE FARM

EASINGWOLD

ADAS

LEEDS STATUTORY GROUP

Ref:-

MAFF FILE:-

PROVIDEN.ALC/MP

HAMBLETON LOCAL PLAN

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SUMMARY

Land covering a total of 7.1 ha was surveyed at Providence Farm 2km south of Easingwold. All of this is in agricultural use and has been classified as Grade 2 land.

Soils consist of fine sandy loam or loamy fine sand topsoils and upper subsoils, overlying slowly permeable heavy clay loam or clay lower subsoils at depth. Soil droughtiness is the limiting factor.

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HAMBLETON LOCAL PLAN:- PROVIDENCE FARM, EASINGWOLD

1. INTRODUCTION AND SITE CHARACTERISTICS

The site is located around Grid Reference SE 526679 2Km south of Easingwold adjacent to the A19. It covers an area of approximately 7 ha, all of which is in agricultural use.

Survey work was carried out in September 1992 when soils were examined by hand auger borings at 100m intervals predetermined by the National Grid. Land quality was assessed using the methods described in "Agricultural Land Classification of England and Wales: Revised guidelines for assessing the quality of agricultural land" (MAFF, 1988)

CLIMATE

Grid Reference	SE 526679
Altitude (m)	24
Accumulated Temperature above 0°C (January-June)	1370°C
Average Annual Rainfall (mm)	638
Climatic Grade:	1
Field Capacity Days:	148
Moisture Deficit (mm) Wheat:	103
Moisture Deficit (mm) Potatoes:	93

LAND USE AND RELIEF

At the time of survey all of the land on the site was in arable production, present crops being cereals and sugar beet.

GEOLOGY AND SOILS

The site is underlain at depth by the Triassic Mercia Mudstone (formerly Keuper Marl) over which there is a considerable thickness of glaciolacustrine clays and postglacial sand deposits.

Topsoils consist of fine sandy loam or loamy fine sand over the whole site. Upper subsoils are formed of loamy medium or fine sand which pass into the underlying glaciolacustrine clay at depth, usually at about 90cm from the surface.

Many profiles are similar to those described in the Everingham and Blackwood Associations by the Soil Survey of Land Resource Centre.

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The ALC grades occurring on the site are as follows:-

Grade/Subgrade	Hectacres	Percentage of Total Area
2	7.1	100

GRADE 2

The whole of this site falls within grade 2.

The light textured topsoils do not vary over the site and consist of fine sandy loam or loamy fine sand. Subsoil textures consist of very light, medium or fine loamy sand or fine sand, which abrubtly overlie heavy clay loams or clays typical of the Foggathorpe group. These heavy textured lower subsoils, which are gleyed and slowly permeable usually occur at a depth of 90-100cm and profiles are on the whole well drained, falling within wetness class I. The site is limited to grade 2 by slight soil droughtiness.