



AGRICULTURAL LAND CLASSIFICATION

BEVERLEY BOROUGH LOCAL PLAN

SITE 14

MIDDLE DYKE LANE, COTTINGHAM

JANUARY 1993

144/92

ADAS

Leeds Statutory Group

Job No:- 144/92

MAFF Ref:-

2 FCS 6293

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## SUMMARY

An Agricultural Land Classification survey of approximately 9 ha of land at Middle Dyke Lane, Cottingham was carried out in January 1993.

All of the land on this site is in agricultural production, of which 2 ha fall within Grade 2. Soils in this grade are well drained and consist of medium clay loam topsoils over medium clay loam subsoils. They are limited to Grade 2 by droughtiness.

Subgrade 3b land covers 7 ha. Soils are poorly drained with medium or heavy clay loam topsoils overlying heavy clay loam or clay subsoils. This land is limited to Subgrade 3b by soil wetness.

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1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION REPORT: BEVERLEY BOROUGH LOCAL PLAN  
SITE 14, MIDDLE DYKE LANE, COTTINGHAM

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods.

The site is located around Grid Reference TA 056333  $\frac{1}{2}$  Km east northeast of Cottingham railway station. It covers a total area of 9.2 ha. Survey work was carried out in January 1993 when soils were examined by hand auger borings at 100m intervals at points predetermined by the National Grid. Land quality was assessed using the methods described in "Agricultural Land Classification of England and Wales" (MAFF 1988).

1.2 Land Use and Relief

All of the land is in agricultural, mainly arable, use. The site is level.

1.3 Climate

Grid Reference	:	TA 056 333
Altitude (m)	:	5
Accumulated Temperature above 0°C (January-June)	:	1395 Day°C
Average Annual Rainfall (mm)	:	650
Climatic Grade	:	1
Field Capacity Days	:	144
Moisture Deficit (mm) Wheat	:	108
Moisture Deficit (mm) Potatoes	:	100

#### 1.4 Geology, Soils and Drainage

The site is underlain by chalk, over which there is a thick cover of alluvium. Soils have been night soiled in the past and, in the south, consist of dark coloured medium or heavy clay loam topsoils over gleyed slowly permeable heavy clay loam or clay subsoils. These profiles are poorly drained (Wetness Class IV). Lighter soils occur at the northern end of the site. Here medium clay loam topsoils overlie medium clay loam subsoils which occasionally pass into loamy medium sand at depth. Soils of this type are well drained and fall within Wetness Class I.

2. AGRICULTURAL LAND CLASSIFICATION

The ALC grades occurring on this site are as follows:

<u>Grade/Subgrade</u>	<u>Hectares</u>	<u>Percentage of Total Area</u>
1		
2	2.1	22.8
3a		
3b	7.1	77.2
4		
5		
(Sub total)	(9.2)	
Urban		
Non Agricultural		
Woodland - Farm		
- Commercial		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub total)		
	<hr/>	<hr/>
TOTAL	9.2	100
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2.1 Grade 2

Grade 2 land occurs at the northern end of the site. Profiles consist of very slightly stony medium clay loam topsoils over slightly stony medium clay loam or occasionally loamy medium sand subsoils. Profiles are freely drained (Wetness Class I) and limited to Grade 2 by slight droughtiness.

2.2 Subgrade 3b

Most of the site falls within this subgrade. Profiles consist of very slightly stony medium or heavy clay loam topsoils over very slightly stony or stoneless heavy clay loam, clay or silty clay subsoils. These soils are poorly drained (Wetness Class IV) and the land is restricted to Subgrade 3b by soil wetness.

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MAP