

**AGRICULTURAL LAND CLASSIFICATION
CARLISLE DISTRICT LOCAL PLAN
BRAMPTON, SOUTH**

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**AGRICULTURAL LAND CLASSIFICATION REPORT FOR
CARLISLE DISTRICT LOCAL PLAN
BRAMPTON, SOUTH**

1 SUMMARY

- 1.1 The Agricultural Land Classification (ALC) Survey for this site shows that the following proportions of ALC grades are present:

Grade/Subgrade	ha	% of site
2	3.7	95
4	0.2	5

- 1.2 The main limitation to the agricultural use of land in Grade 2 is climate.
- 1.3 The main limitation to the agricultural use of land in Grade 4 is gradient.

2 INTRODUCTION

- 2.1 The site was surveyed by the Resource Planning Team in February 1995. An Agricultural Land Classification survey was undertaken according to the guidelines laid down in the "Agricultural Land Classification of England and Wales - Revised Guidelines and Criteria for Grading the Quality of Agricultural Land" (MAFF 1988).
- 2.2 The 3.9 ha site is situated to the west of Brampton and is bounded to the north by the B6264 Carlisle road. The land immediately to the south, west and east of the site is predominantly in agricultural use.
- 2.3 The survey was requested by MAFF in connection with the Carlisle District Local Plan.
- 2.4 At MAFF Land Use Planning Unit's request this was a detailed grid survey at 1:10000 with a minimum auger boring density of 1 per hectare. The attached map is only accurate at the base map scale and any enlargement would be misleading.
- 2.5 At the time of the survey the site was under permanent grass.

3 CLIMATE

3.1 The following interpolated data are relevant for the site (NY 522606):

Average Annual Rainfall (mm)	896
Accumulated Temperature above 0°C January to June (day °C)	1300

3.2 The combination of Average Annual Rainfall and Accumulated Temperature limit the site to Climatic Grade 2.

3.3 Other relevant data for classifying land include:

Field Capacity Days (days)	220
Moisture Deficit Wheat (mm)	70
Moisture Deficit Potatoes (mm)	51

4 SITE

4.1 Three site factors of gradient, micro relief and flooding are considered when classifying land.

4.2 Gradients in excess of 11° limit the south east corner of the site to Grade 4.

4.3 Flooding and micro relief do not impose any limitations on the agricultural use of the land.

5 GEOLOGY AND SOILS

5.1 The geology of the area is comprised of Recent and Pleistocene Sand and Gravel - British Geological Survey Sheet 18 Brampton 1 Inch.

5.2 The underlying geology influences the soils which have a sandy texture.

6 AGRICULTURAL LAND CLASSIFICATION

6.1 Grade 2 - occupies 3.7 ha (95%) of the survey area.

6.1.1 These soils typically have a sandy loam texture overlying loamy sand and sand to depth, with few or no stones within the profile. The climate places these soils into Grade 2.

6.1.2 The main limitation to the agricultural use of this land is climate.

6.2 Grade 4 - occupies 0.2 ha (5%) of the survey area and occurs in the south east corner of the site where slopes are in excess of 11°.

6.2.1 The main limitation to the agricultural use of this land is gradient.

6.3 SUMMARY OF AGRICULTURAL LAND CLASSIFICATION GRADES

Grade/Sub-grade	Area in Hectares	% of Survey Area	% of Agricultural Land
2	3.7	95	95
4	0.2	5	5
Totals	3.9	100	100