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ARCHAEOLOGICAL ASSESSMENT OF THE AREA OF PROPOSED NEW LAKES AT GAINSBOROUGH GOLF CLUB GOLF COURSE, THONOCK, GAINSBOROUGH, LINCOLNSHIRE

for

Karsten (UK) Ltd

July 1995

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### SUMMARY

Karsten (UK) Ltd commissioned John Samuels Archaeological Consultants to undertake an archaeological assessment of an area of land at Gainsborough Golf Club Golf Course, Thonock, Lincolnshire, prior to the proposed creation of two lakes. An assessment of the archaeological implications of the proposed development is made, along with recommendations for further archaeological evaluation.

### 1.0 INTRODUCTION

- 1.1 This report has been prepared by John Samuels Archaeological Consultants for Karsten (UK) Limited. It provides an assessment of the archaeological implications of proposed lake creation at Gainsborough Golf Club Course, Thonock Golf Course, near Gainsborough, Lincolnshire (See Figure 1).
- 1.2 Thonock is located approximately 2kms north-east of Gainsborough in former parkland associated with Thonock Hall, which is now demolished.
- 1.3 Karsten (UK) Limited retained John Samuels Archaeological Consultants to undertake an archaeological assessment and based upon its results, an archaeological evaluation of the whole golf course site, of which the area of the proposed lakes is one small portion.

#### 2.0 ARCHAEOLOGICAL ASSESSMENT

- 2.1 The archaeological assessment of the whole golf course site took the form of a desktop survey, (which forms Appendix A in this report) as well as other archaeological investigation.
- 2.2 The whole of the golf course site was fieldwalked in good conditions on clayey ploughed soil in November 1992, but nothing was found in the area of the proposed lakes. A concentration of Roman pottery was found towards the site of the former Hall. A geophysical survey was carried out on this area by Geophysical Surveys of Bradford (See Figure 1). Subsequently, excavation trenches were opened, whose locations were determined by the geophysical survey results. The excavation located a Roman settlement (Samuels & Palmer-Brown, 1993).
- 2.3 Aerial photographs were examined by Rog Palmer of Air Photo Services. No remains of archaeological significance were discovered, except the remains of medieval ridge and furrow, which is no longer visible on the ground. The aerial photographic report may be found in Appendix B of this report.
- 2.4 Metal detectorists who had been active in the area were consulted. However, the discussions produced conflicting evidence which was not satisfactorily resolved. In effect there was no clear evidence of finds from the area of the proposed lakes.
- 2.5 Primary records such as the County Sites and Monuments Record and various documentary sources reveal no evidence for earlier settlement within the area. There are references to Medieval settlements, in particular the lost villages of Havercroft and Thonock, but from aerial photographic and place-name evidence these would seem to be further to the north and west.

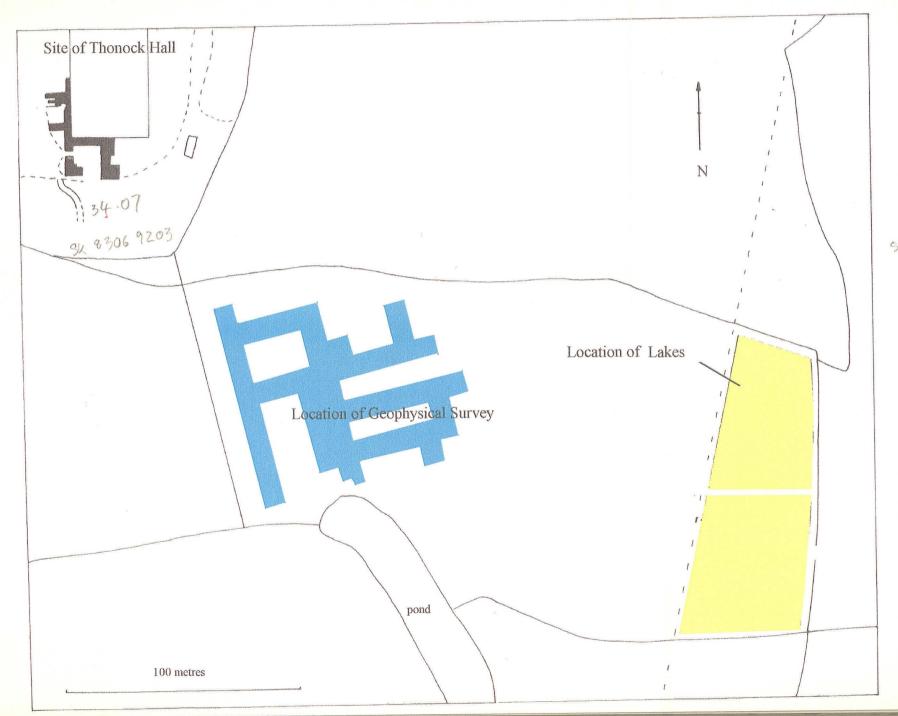
## 3.0 DISCUSSION

- 3.1 The archaeological assessment has not identified any archaeological remains within the area of the proposed development except for ridge and furrow from Medieval ploughing seen on aerial photographs, but no longer visible at ground level.
- 3.2 The nearest edge of the area of Roman settlement identified previously from pottery found in fieldwalking is about 170m to the west. The geophysical survey which was subsequently undertaken indicated that the focus of activity is about 360m to the west of the proposed development and this was confirmed by the trial excavations.
- 3.3 It is noticeable that the area of Roman settlement is confined to a gently sloping south-facing hillside in a slight natural hollow. Topographically the area of the proposed development is more exposed and on heavier clayey land.
- 3.4 However, conflicting evidence from the metal detectorists has included claims of finding Roman material in the area of the proposed development.
- 3.5 The County Archaeologist has requested that an archaeological evaluation of the site should be undertaken and a brief was provided (see Appendix C).
- 3.6 The purpose of the evaluation will be to examine the nature, extent and condition of any archaeological remains which may exist within the area of the proposed development. The results will be presented in a form which will enable the planning authority to decide the most appropriate course of action.
- 3.7 A range of techniques for undertaking the evaluation has been considered. Although various forms of geophysical survey would normally be proposed in similar situations, none are considered suitable here. The existence of overhead power cables will reduce the area suitable for magnetometry to such an extent as to make any results meaningless. Magnetic susceptibility, which sometimes identifies areas of human activity will also be inappropriate because of the ridge and furrow and its subsequent flattening which will mask any potential results. Therefore it is proposed that two trenches, each 70m x 2m will be excavated and a specification is provided (see Appendix D)
- 3.8 Arrangements will be made with Lincoln City and County Museum prior to commencement of excavation, for suitable accession numbers and the depositing of copies of the project archives.

# 4.0 CONCLUSION

4.1 There is no evidence for archaeological remains in the area of the proposed reservoirs, but following the County Archaeologist's recommendations it is proposed that two trial trenches each 70m x 2m be excavated in the area of the proposed lakes. A specification for the work has been provided.

Figure 1: Location of Proposed Lakes and Area of Geophysical Survey



West Lodge BM 40.92 APPENDIX A : Assessment Report

AN ARCHAEOLOGICAL ASSESSMENT OF LAND FOR PROPOSED GOLF COURSE AT THONOCK, GAINSBOROUGH, LINCOLNSHIRE

Commissioned by KARSTEN (UK) LIMITED

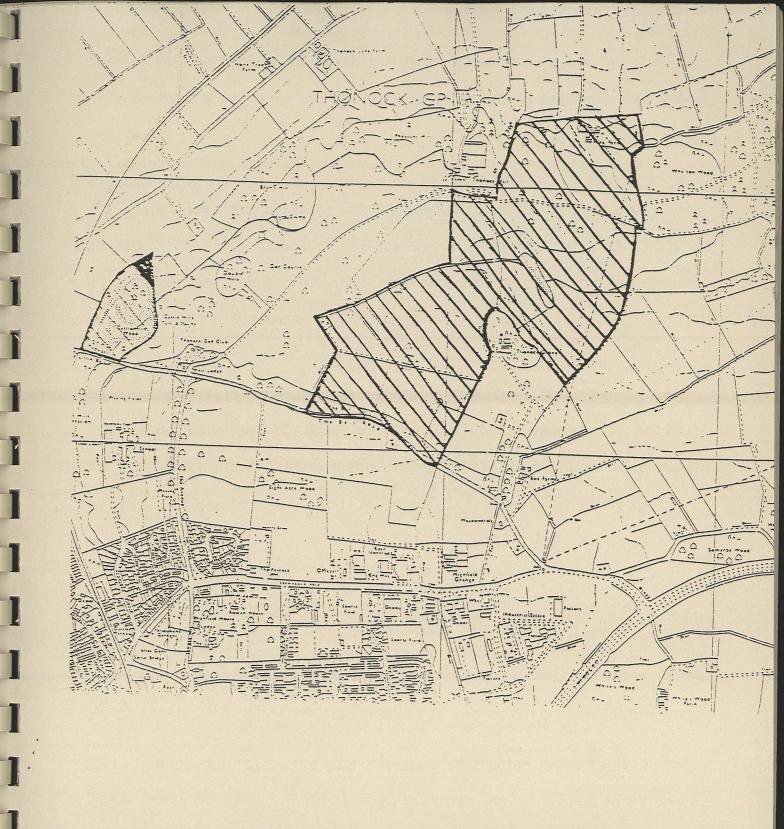
# AN ARCHAEOLOGICAL ASSESSMENT OF LAND FOR PROPOSED GOLF COURSE AT THONOCK, GAINSBOROUGH, LINCOLNSHIRE

# 1.0. INTRODUCTION

- 1.1. It is proposed that a golf course be constructed on approximately 250 acres of land to the east and south of the site of Thonock Hall.
- 1.2. Within the proposed site the land is level to the east falling off steeply to the north and more gently to a river valley to the south and rising to more level ground. The soil is generally sandy with areas of more clayey soil reflecting the changing subsoil geology.
- 1.3. On the advice of the County Archaeologist an archaeological assessment was requested for the proposed development and Dr. John Samuels was appointment by Karsten (UK) Limited to undertake this.

## 2.0. ARCHAEOLOGICAL ASSESSMENT

2.1. The Royal Commission on Historical Monuments of England (RCHM) provided a copy of relevant information from their archive from their survey of West Lindsey (see Appendix A). This referred to the lost villages of Havercroft and Thonock but from aerial photographs and place-name evidence both sites would seem to have been further to the north and west of the proposed development site.

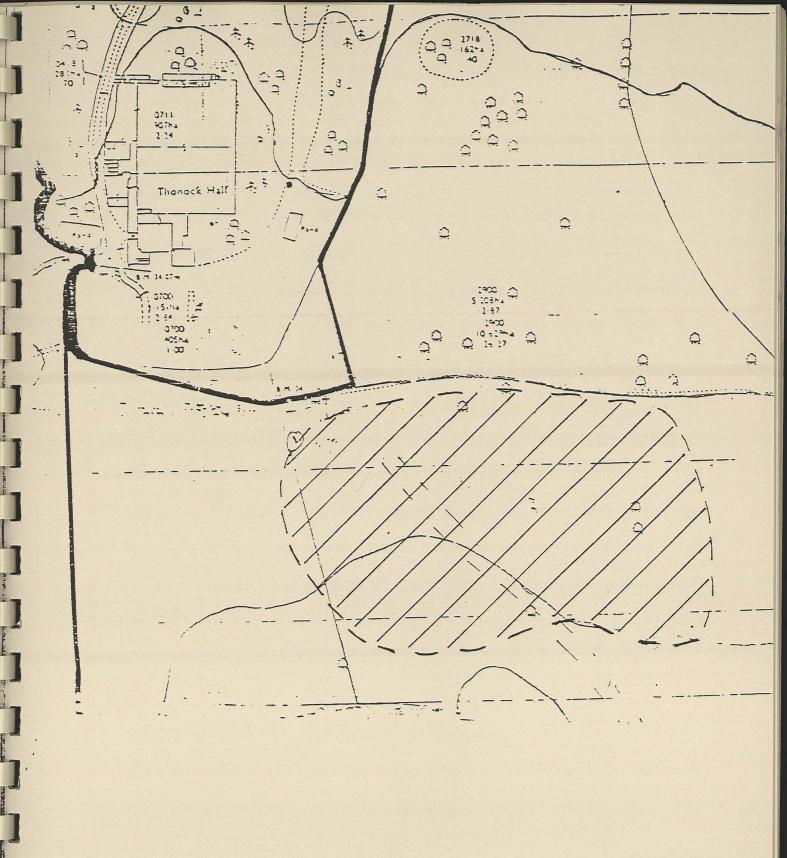


AREA OF PROPOSED GOLF COURSE

SHADED

(Scale Reduced 1:10,000)

- 2.2. Local information suggested that metal-detector users had found Roman coins within the proposed development site although no precise location was provided.
- 2.3. Therefore the whole of the area was fieldwalked at 50.00m intervals. When a scatter of Roman pottery was found the intervals were reduced to 20.00m with 50.00m collection points. The scatter of Roman pottery covered an area of about 5ha. south east of the site of Thonock Hall.
- 2.4. The pottery is mainly grey ware of types produced in Lincolnshire in the late 2nd to early 3rd century AD. There are a few sherds of colour-coated pottery from the Nene Valley and several fragments of Mancetter- Hartshill mortaria. None of the sherds are heavily abraded and may have been brought to the surface by more recent deep ploughing.
- 2.5. Elsewhere in the area of the proposed development isolated sherds of Roman and medieval pottery and worked flint were found but not considered to be of any significance. The location of all finds has been plotted at 1:2,500.
- 2.6. To understand better the form of remains represented by the Roman pottery scatter and to ensure that no further remains existed within the area, an enhanced aerial photographic survey was undertaken by Air Photo Services (see Appendix B). Apart from ridge and furrow which has since disappeared through ploughing, no significant archaeological remains were identified.



SHADING INDICATES AREA OF ROMAN POTTERY SCATTER Scale 1:2,500

- 2.7. In a further attempt to locate any buried remains related to the Roman pottery scatter and, if possible, delimit their area a geophysical survey was undertaken by Geophysical Surveys of Bradford (see Appendix C).
- 2.8. The results were impressive and can be seen on the Summary Interpretation plot. Two areas of intensive magnetic anomalies marked A are probably Roman pottery kilns. Areas marked B-E are slightly less intensive anomalies but may be further kilns, iron working furnaces or dumps of pottery or iron slag. Much less intense are the anomalies marked F-H which may be the result of more industrial activity but could also be the pits left by uprooting trees when the parkland was ploughed up more recently. A series of linear anomalies have been caused by buried ditches which form two trackways with a series of small interlocking fields or house plots. The broken nature of these has probably been caused by the ridge and furrow of medieval ploughing which has also created its own magnetic anomalies. Areas described as ferrous/modern could be odd pieces of metalwork that have fallen off modern agricultural machinery or fragments of modern drainage pipes.

### 3.0. CONCLUSIONS AND RECOMMENDATIONS

- 3.1. The assessment has identified the existence of a Roman settlement with associated pottery manufacture and iron working covering an area of about 5 ha.
- 3.2. It is suggested that given the large scale of the proposed golf course that this area can be set aside and there should be no below-ground disturbance.

3.3. No further archaeological activity is required for the remainder of the proposed development.

APPENDIX B : Aerial Photographic Report

# AIR PHOTO SERVICES

CHRIS COX MA MIFA ROG PALMER BA MIFA
7 EDWARD STREET CAMBRIDGE CB1 2LS
PHONE/FAX 0223 316393

# THONOCK, GAINSBOROUGH, LINCOLNSHIRE

AERIAL PHOTOGRAPHIC ASSESSMENT

DECEMBER 1992

COMMISSIONED BY

JOHN SAMUELS 6 OLD NORTH ROAD NEWARK, NOTTS, NG23 6JE

# THONOCK, GAINSBOROUGH, LINCOLNSHIRE

Aerial Photographic Assessment

Rog Palmer BA MIFA

#### INTRODUCTION

Aerial photographs from three sources have been used in this assessment. All those covering the development area were verticals but three sets of oblique photographs show the golf course immediately west of the area. The National Library of Air Photographs holds other obliques taken of features close to the golf course and the lack of oblique photographs within the assessment area suggests that nothing was visible from the air at the times of these flights. A list of photographs examined is appended.

#### PHOTO INTERPRETATION

The assessment area was fully covered by runs of overlapping stereoscopic vertical photographs taken on eleven different dates at scales between 1:5000 and 1:15000. Of these, one set, taken on 31 July 1963 at 1:10000, proved most revealing although additional details came from some of the other photographs. Prints were examined stereoscopically using a 1.5 x magnification stereoscope which was adequate for interpretation of the features present in the area. Interpretative overlays were made of the most informative photographs and these were computer rectified and combined to produce a 1:10000 map of the area.

# ARCHAEOLOGICAL COMMENT

Most of the area (both the present assessment area and the complete golf course extent) can be seen to have had past use as medieval strip fields (see figure). Ridge and furrow, shown schematically on the map, forms an arable system of a type common to the East Midlands. Some headlands can be identified between furlongs, while others appear to be overlain by modern field boundaries.

The photographic record shows an increasing amount of land being taken into arable cultivation since 1945. Much of the ridge and furrow was in earthwork condition at that date but has since been totally flattened with the only upstanding remnants now surviving in parts of the present golf course. Some fields have always remained 'blank' on the photographs. Three of these have been arable for much of the photographic record (northwest of the lake centred SK829918, SK831919 and SK832919). They show no evidence of former ridge and furrow nor do they produce crop or soil response to any sub-surface disturbances despite the fact that positive evidence, suggesting appropriate photographic timing and soil/crop conditions, has been showing in adjacent fields. Another field has been converted to arable more recently (now mapped as two fields but previously a pasture area centred on the southern part of the lake, SK834915). Despite suitable lighting or crop

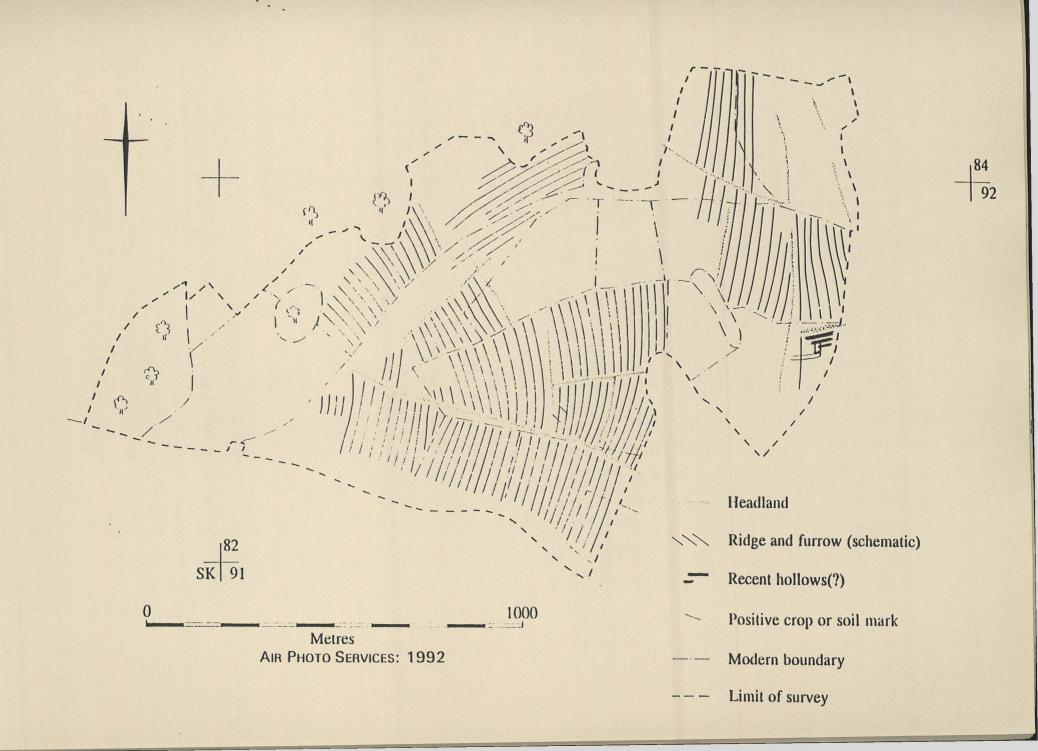
conditions on dates of photography this latter area has never shown traces of ridge and furrow. Both areas adjacent to the lake may have been former grazing land.

The air photographs show very poor response of the crop to sub-surface disturbances and this is probably related to the soils and geology of the area. The majority of marks observed, other than the earthwork field systems, appear likely to be of recent agricultural origin. Plough-flattened ridge and furrow produces some very slight crop marks but little else can be attributed to any previous occupation of the area. Marks seen on the photographs appear attributable to activities such as subsoiling and the removal of trees with no definite geological marks and certainly nothing of definite archaeological origin being identified.

The Soil Survey map suggests that the soils and geology in this area are unsuited to the production of crop marks over buried features. Crop marks identified during photo examination are all likely to reflect recent activity and may be due to the inclusion of more humic fill in disturbed subsoil which may rapidly leach to a uniform 'blandness'. Cut archaeological features may be present in the area and are suggested by the surface finds. These features may be 'sealed' by once-overlying ridge and furrow yet due to the above described environmental conditions no crop marks are visible.

Three features require more detailed comment (see figure):

- SK82959142 (HSL/UK/71.83:1154). Two parallel short lengths of possible ditch show as crop marks. These do not appear on other photographs and are of unknown origin or cause although are probably non-archaeological.
- SK83609158 (CPE/UK/2563:3309). Two parallel 'ditches', showing as soil marks, form a right angle which is suggestive of a corner of an enclosure. No traces were seen on other photographs. Overlying ridge and furrow is just visible on the same photograph. The 'ditches' are unlikely to be archaeological features and are possibly agricultural.
- SK83639163 (OS.85.244:231). Three, probably four, features lie parallel to one another and to a headland to their immediate north. These show on photographs of this date only and are therefore suspect. They appear to be either slight hollows or bands of very retarded crop growth and lie on one axis of what appears to be a system of land drains (and/or recent subsoiling) which forms a grid system covering most of the field. The features abut a modern track to their east but there is no evidence for continuation beyond this nor for any humpiness along the track. Despite their similarity to medieval fish ponds it is unlikely that these are archaeological in origin but may be caused by recent agricultural activity.



# AERIAL PHOTOGRAPHS EXAMINED

The following vertical photographs were examined stereoscopically:

Source: National Library of Air Photographs (RCHME):

106G/LA/228:1072-1076	1:15000	17 April 1945
106G/LA/228:2072-2076	1:15000	17 April 1945
106G/LA/228:1056-1058	1:15000	17 April 1945
106G/LA/228:2072-2058	1:15000	17 April 1945
106G/LA/228:2084-2086	1:15000	17 April 1945
CPE/UK/1880:3408-3414	1:10000	6 December 1946
CPE/UK/2012:4104-4109	1:9800	16 April 1947
CPE/UK/2563:3308-3312	1:10000	28 March 1948
CPE/UK/2563:3323-3325	1:10000	28 March 1948
CPE/UK/2563:4323-4324	1:10000	28 March 1948
58/B/30:5121-5125	1:5000	13 May 1948
541/176:4005-4010	1:10000	30 September 1948
58/1435:204-212	1:5000	13 May 1954
58/1435:288-295	1:5000	13 May 1954
58/5853:18-19	1:10000	31 July 1963
58/5853:52-54	1:10000	31 July 1963
OS.68.218:210-217	1:7500	14 June 1968
OS.68.218:246-249	1:7500	14 June 1968
OS.68.218:269-274	1:7500	14 June 1968

Source: Lincolnshire County Council:

HSI /IIK/71	83:1154-1156	1.12000	2 June 1971

Source: Ordnance Survey:

85.244:229-232	1:5000	15 July 1985
85.244:236-240	1:5000	15 July 1985
85.244:268-269	1:5000	15 July 1985

Cover searches showed there to be no photographs of the area in the Cambridge University Collection of Air Photographs.

Obliques: source: National Library of Air Photographs (RCHME):

SK8291/1/327-339	9 October 1980
SK8291/2/343-350	9 October 1980
SK8291/3/351-354	9 October 1980

Appendix C : Brief for Archaeological Evaluation

BRIEF FOR AN - -

ARCHAEOLOGICAL EVALUATION,

produced by

ARCHAEOLOGY SECTION,

LINCOLNSHIRE COUNTY COUNCIL

SITE:

Gainsborough Golf Club

COMPANY:

Michael Gerry Associates

DATE:

July 1995

LOCATION:

Gainsborough Golf Club, Belt Road, Thonock, Gainsborough

LAKES
PLANNING APP. NO.: W/023/0393/95

C:\iandoc\thunock.001

# 1. Summary

- 1.1 This document is the brief for archaeological work to be undertaken on a scheme of golf course development at Thonock, Gainsborough by Karsten UK for Gainsborough Golf Club. It sets out the requirements for a full field evaluation to be carried out of the area which should help to define the character and extent of the archaeological remains. Evaluation offers an efficient and effective way of retrieving such information. Guidelines on such matters are set out in D.O.E. Planning and Policy Guidance Note 16 (1990), see paragraph 21.
- 1.2 This brief should be used by archaeological contractors as the basis for the preparation of a detailed archaeological project design. In response to this brief contractors will be expected to provide details of the proposed scheme of work, to include the anticipated working methods, timescales and staffing levels.
- 1.3 The detailed specification will be submitted to the company above subject to approval of the Archaeological Officer of Lincolnshire County Council. If more than one, the client will be free to choose between those specifications which are considered to adequately satisfy this brief.

# 2. Site location and description

2.1 The site is located to the west of Gainsborough being centred on national grid reference SK 8364 9177. The underlying geology is Keuper Marl and Boulder Clay/Till and the site is at an approximate altitude of 30m. The present land use is one of rough grassland being adjacent to a new golf course.

### 3. Planning background

- 3.1 An application has been submitted to the local planning authority for full planning permission for the construction of two lakes. This application is subsequent to the original application for the second golf course which was subject to archaeological requirements.
- 3.2 The scheduled ancient monument of Castle Hill Wood, often referred to as Danes Camp

or Danish Camp, lies adjacent to the golf course. Local plan policies are set out in the West Lindsey Local Plan Deposit Draft and attention is drawn in particular to Policy SA8.

# 4. Archaeological background

- 4.1 Little is known of the historical origin of settlement in Thonock. Until recently premedieval evidence was limited to stray finds of a Roman coin and some pottery of a similar date. Early reference to the Castle Hill suggests it is a Danish Camp but Everson (1991) suggests it is likely to be of early Norman origin.
- 4.2 In 1993, after determination of the application for outline planning consent and in line with condition 8 of that consent a field evaluation was carried out. This consisted of field walking and a geophysical survey. The evaluation was then followed by a mitigation strategy which consisted of small scale excavation and preservation in situ. This work located an enclosure ditch and traces of a second to the east. The area was clearly a Romano British settlement with refuse pits being revealed. There was evidence for the quarrying of sand or clay as well as a kiln of unknown function. Surface finds suggest an Anglo-Saxon presence in the area but this was not confirmed by the excavation.

# 5. Objectives of an archaeological evaluation

5.1 The purpose of the archaeological evaluation should be to gather sufficient information to establish the presence/absence, extent, condition, character, quality and date of any archaeological features, structures, deposits, artefacts or ecofacts.

#### 6. Requirements for work

- 6.1 In order that the planning authority has sufficient information upon which to base its decision, prior to this scheme of development being undertaken a full archaeological field evaluation must be carried out. If any archaeological discovery is made it will be accommodated within the scheme and preservation in situ be given due consideration. Preservation by record is considered an action of last resort.
- 6.2 Where relevant, the archaeological evaluation should attempt to address the relationship

6.3 If upstanding earthwork remains or buildings form part of the archaeological record these must be considered part of the evaluation phase. Such remains should be surveyed to a standard and level of accuracy in line with the recording of the buried remains.

### 7. Stage of works and techniques

- 7.1 For this field evaluation the specification will be expected to contain a reasoned discussion of field techniques selected. The rejection of a particular technique must be explained. Consideration should be given to additional aerial survey, field-walking, site survey, geophysical survey and the observation of geotechnical test-pits (if appropriate) as well as the undertaking of archaeological test-pits as possible field evaluation techniques. When preparing the specification account must be taken of the local geology, topography and land-use as it affects the feasibility of the various techniques.
- 7.2 Bearing in mind the ground conditions and the techniques used previously it is expected that a combination of geophysical survey and trial trench excavation will be required. It is worth noting the presence of an electric transmission line across the area of interest.
- 7.3 The evaluation should also take into account environmental evidence and provide an assessment of the viability of such information should further archaeological work be carried out.

#### 8. Methods

- 8.1 In consideration of methodology the following details should be given in the contractor's project design:
  - 8.1.1 a projected timetable for the various stages of work;
  - 8.1.2 the staff structure and numbers, including a list of all specialists and their respective roles;
  - 8.1.3 a statement on Health and Safety policy and site security,
  - 8.1.4 a full description of the field survey techniques to be used, including such

details as plotting conventions, transect spacing presentation of geophysical and statistical data and the plotting of aerial photographs.

- 8.2 Excavation is a potentially destructive technique and the specification should include a detailed reasoning behind the application of this technique. The following factors should be borne in mind:
  - 8.2.1 the most recent archaeological deposits are not necessarily the least important and this should be considered when determining the level to which machining will be carried out;
  - 8.2.2 the machine should be used to remove topsoil down to the first archaeological horizon;
  - 8.2.3 the use of an appropriate machine with a wide, toothless ditching blade;
  - 8.2.4 the supervision of all machine work by an archaeologist;
  - 8.2.5 when archaeological features are revealed by machine these will be cleaned by hand;
  - 8.2.6 a representative sample of every archaeological feature must be excavated by hand (although the depth of surviving deposits must be determined, it is not expected that every trench will be excavated to natural;
  - 8.2.7 all excavation must be carried out with a view to avoiding features which may be worthy of preservation;
  - 8.2.8 any human remains encountered must be left in situ and only removed if absolutely necessary. The contractor must comply with all statutory consents and licences under the Burial Act 1857 and subsequent legislation regarding the exhumation of human remains. It will also be necessary to comply with all reasonable requests of interested parties as to the method of removal, reinterment or disposal of the remains or associated items. Attempt must be made at all times not to cause offence to any interested parties.
- 8.3 It is expected that an acceptable recording system will be used for all on-site and post fieldwork procedures. The recording procedure must take into account the long-term archival requirements of archaeological records. Due attention must be given to the drawn and photographic record. Both artefacts and ecofacts must be handled in a way sympathetic with the requirements of the document "Guidelines for the transfer of project archives" produced by City and County Museum, Lincoln and in line with national

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guidelines as detailed therein. Prior to fieldwork commencing discussions, should take place with City and County Museum regarding archive deposition. At this time an accession number will be issued and should be used throughout the project.

## 9. Post-fieldwork programme

- 9.1 After completion of the fieldwork phase of the project the following procedures should be undertaken:
  - 9.1.1 that, after agreement with the landowner, arrangements are made for long term storage of all artefacts in City and County Museum, Lincoln;
  - 9.1.2 that a site archive is produced and should be deposited with the artefacts as detailed in 9.1.1;
  - 9.1.3 a full report is produced and deposited with the appropriate bodies, see 10.1 below.

### 10. Reporting requirements

- 10.1 The final evaluation report should be a straight-forward account of the fieldwork carried out. Ideally it should be produced within two months of the completion of the fieldwork phase. If this is not possible then the County Archaeological Officer must be consulted at the earliest possible opportunity. The report should include:
  - 10.2.1 computer generated plots of geophysical survey data and interpretation;
  - 10.2.2 distribution plots, analysis and interpretation of field walking and other data;
  - 10.2.3 plans of the trench layout;
  - section and plan drawings, with ground level, Ordnance Datum, vertical and horizontal scales as appropriate;
  - 10.2.5 plans of actual and potential deposits;
  - 10.2.6 specialist descriptions of artefacts and/or ecofacts;
  - 10.2.7 a consideration of the evidence within the wider landscape setting;
  - a consideration of the archaeology within its local, regional and national context;

- 10.2.9 a critical review of the effectiveness of the methodology;
- a projected timetable for the completion and final location of the site archive (if not already undertaken).
- 10.3 A short note should be prepared for publication in the Archaeological Notes of the county journal Lincolnshire History and Archaeology.

# 11. Monitoring arrangements

11.1 Curatorial responsibility for this project lies with the Archaeological Officer of Lincolnshire County Council. He should be given at least seven days notice, in writing, of the proposed date of commencement of site work and may exercise his prerogative of monitoring fieldwork.

#### 12. Additional information

12.1 This document attempts to define the best practice expected of an archaeological evaluation but cannot fully anticipate the conditions that will be encountered as work progresses. If requirements of the brief cannot be met they should only be excluded after attainment of the written approval of the Archaeological Officer of Lincolnshire County Council.

#### 12.2 Contact addresses:

Mr E Marcroft
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Planning Department
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GAINSBOROUGH
DN21 2HG

Tel: 01427 615411 or Fax: 01427 810623

Mr M Gerry Michael Gerry Associates 23 West Parade LINCOLN LN1 1NW

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Mr S Catney
Archaeological Officer
Lincolnshire County Council
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LINCOLN
LN2 5AL

Tel: 01522 575292 or Fax: 01522 530724

Mr T Page City and County Museum 12 Friars Lane LINCOLN LN2 5AL

Tel: 01522 530401 or Fax: 01522 530724

Brief set by Archaeology Section, Lincolnshire County Council.

#### References

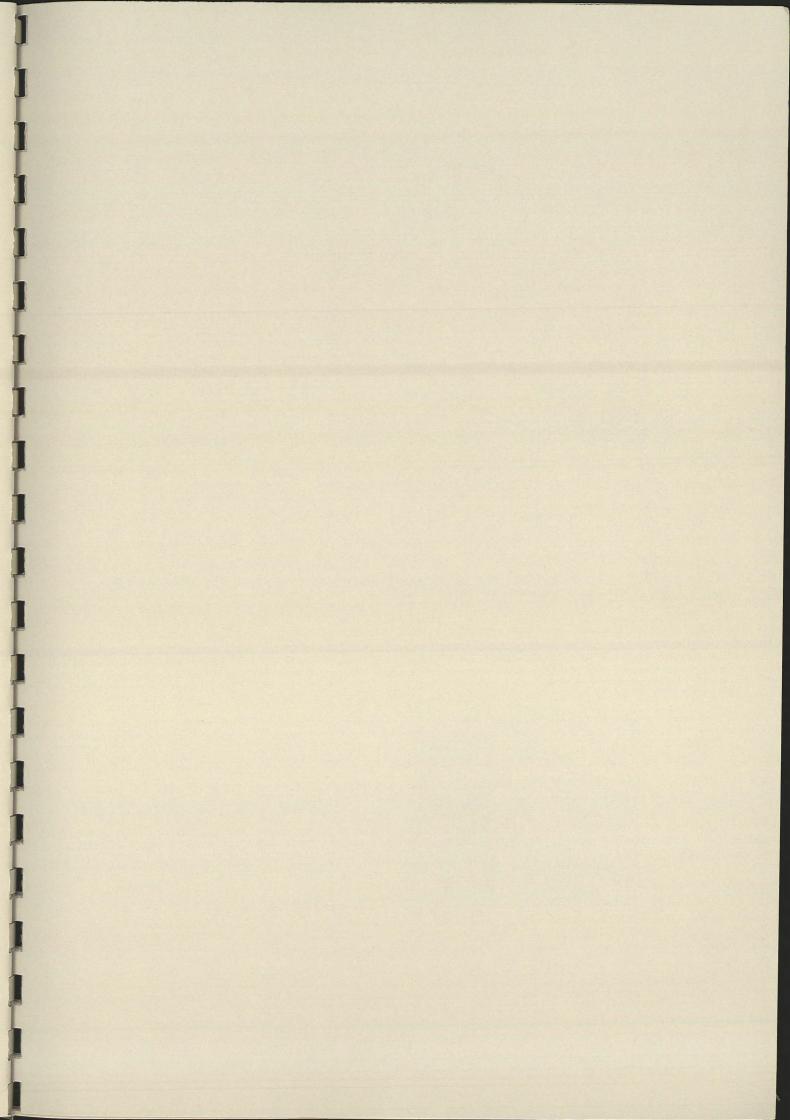
Everson, P L 1991 Change and continuity: Archive notes RCHME: London

Lincolnshire County Council Sites and Monuments Record

Samuels, J and Palmer-Brown, C 1993 A newly discovered Roman settlement at Thorock, Gainsborough Draft

# APPENDIX 1 - Location Plan

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APPENDIX D : Specification for Archaeological Evaluation

# John Samuels Archaeological Consultants

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SPECIFICATION FOR ARCHAEOLOGICAL EVALUATION
OF THE AREA OF PROPOSED NEW LAKES
AT GAINSBOROUGH GOLF COURSE
THONOCK, GAINSBOROUGH, LINCOLNSHIRE

FOR

KARSTEN (UK) LTD Corringham Road Gainsborough Lincolnshire

July 1995

# THONOCK GOLF COURSE, GAINSBOROUGH, LINCS: SPECIFICATION FOR ARCHAEOLOGICAL EVALUATION

#### 1.0 INTRODUCTION

- 1.1 Following a planning application to construct two lakes, the County Archaeologist has requested that an archaeological evaluation be undertaken and supplied a detailed brief.
- 1.2 An archaeological assessment has been carried out and although no archaeological remains have been identified within the area of proposed development, two trenches will be excavated to examine the nature extent and condition of any remains which may exist.
- 1.3 The County Archaeologist's brief has been noted and any comments here are intended to amplify or clarify those requirements.
- 1.4 The archaeological work proposed conforms to the requirements of Planning Policy Guidance Note 16: Archaeology and Planning (DoE 1990), Management of Archaeological Projects (English Heritage 1991), Code of Conduct (Institute of Field Archaeologists 1985), and Standard and Guidance for Archaeological Field Evaluations (Institute of Field Archaeologists 1993).

# 2.0 AIMS AND OBJECTIVES

- 2.1 The aims and objectives have been described in the discussion (section 3) of the archaeological assessment. Summarised they are:
- i) To examine the nature, extent and condition of any archaeological remains which might exist.
- ii) To provide sufficient information to enable the planning authority to make appropriate recommendations for either preservation or further work that might be required.

#### 3.0 METHODOLOGY

- 3.1 On the basis of the present information it is proposed that two trenches should be excavated to examine the nature, extent and condition of any buried remains in the area of the proposed lakes.
- i) Trench 1:  $70 \times 2m$  in the area of the northern lake.
- ii) Trench 2: 70 x 2m in the area of the southern lake.

The suggested approximate position of each trench is shown in Figure 1.

- 3.2 Topsoil and modern overburden will be removed by a JCB or similar machine using a toothless bucket and any archaeological features excavated by hand to a maximum depth permitted by Health and Safety Legislation.
- 3.3 A suitable sample of features will be excavated by hand. A drawn and written record will be made of all archaeological features and sections. All archaeological features will be recorded by single context recording forms. Photographs of all archaeological features will be taken using colour print, colour slide, and black and white film.
- 3.4 Should any material be found suitable for environmental analysis, it will be sampled.
- 3.5 Each of the trenches will be backfilled and re-instated to a condition previously agreed with the client.
- 3.6 The County Archaeologist will be informed of the excavations and will be given the opportunity to examine the trenches. Contingency arrangements will be made for specialist assistance if necessary.
- 3.7 A preliminary archaeological report on the excavations will be produced within two weeks of completion of the excavations and a full report produced within two months. The importance of any archaeological remains will be assessed either on the basis of the non-statutory criteria (PPG 16 Annex 4) or as of national, regional, local or negligible importance as appropriate.
- 3.8 Upon completion of the project, arrangements will be made for the archival record and report to be deposited at the County Sites and Monuments Record. Within six months of the completion of site work a summary report will be completed for submission to the Local Planning Authority, and the results will be made available to the County Sites and Monuments Record.

#### 4.0 PERSONNEL

4.1 The project will be directed by Dr John Samuels, BA, PhD, FSA, MIFA with assistance from Forbes Marsden, BA, Sue Ensor, BA, MSc, Fred Coupland, BA, PIFA and Janine Buckley, BA.

### 4.2 John Richard Samuels BA, PhD, FSA, MIFA

John Samuels has been an independent archaeological consultant since 1989. He has a BA (Hons) in history from University College, Cardiff (1974) and a PhD in archaeology from the University of Nottingham (1983). He has been a member of the only professional body for archaeologists, the Institute of Field Archaeologists, since its foundation in 1983 and is a member of the Prehistoric Society, The Society for Medieval Archaeology, The Vernacular Architecture Group and the Society for the Preservation of Ancient Buildings. He has been an executive committee member of various archaeological specialist and advisory bodies and is currently chairman of Newark Castle Trust, and executive committee member of: the Trust for Nottinghamshire Historic Churches, the Nottinghamshire Building Preservation Trust, Council for British Archaeology Regional Group 14 and editor of East Midlands Archaeology.

He has published over 40 academic articles in learned journals and publications and since 1962 has been involved in numerous archaeological excavations of all periods throughout Britain as well as site and historic building surveys. Appointed as the Archaeological Field Officer for the M180 Motorway in 1975, he has been successively Assistant Director of Liverpool University Rescue Archaeology Unit, lecturer in archaeology and local history for the WEA and University of Nottingham and Field Monuments Warden for English Heritage. He is an honourary Research Fellow in the Department of Archaeology at the University of Nottingham.

Since 1989 he has been an archaeological consultant for a wide range of projects from housing and office developments to golf courses and major trunk road schemes. In many cases archaeology has been a significant aspect of an Environmental Assessment and Dr. Samuels is also an advisor to the Department of Transport on the revised Manual of Environmental Assessment. Among the various road schemes in which he is involved is the upgrading of the A303 past Stonehenge, without doubt the most archaeologically sensitive area in Britain.

Dr. Samuels has also been appointed by the Redundant Churches Fund and English Heritage to advise upon the restoration of historic monuments. He is also the Chairman of Newark Castle Trust which is undertaking a long-term project to excavate and better display this important castle to the public.

#### 4.3 Forbes Marsden BA

After a 23 year career with Home Brewery as Manager of the Hotel and Catering Division and subsequently as a consultant in food hygiene, Forbes Marsden had been involved with local history as an interested amateur. Forbes is currently enrolled on the Advanced Certificate of Archaeology at the University of Nottingham.

For the past five years he has worked on various archaeological projects with John Samuels Archaeological Consultants including Newark Castle, Cromwell Church, M2 widening, M1 widening, Loughborough bypass, A23 widening, Huntsman's Quarry and Willoughby-on-the-Wolds Church.

His experience now ranges from archaeological excavation to archival research and he has a particular interest in cartographic sources.

#### 4.4 Sue Ensor BA, MSc

Sue Ensor has a BA (Hons) in archaeology from the University of Nottingham (1990) and an MSc in human osteology, palaeopathology and funerary archaeology from the Universities of Bradford and Sheffield (1994).

She has been involved in archaeological excavations of all periods throughout the region, and since 1990 she has supervised the annual excavations at the Lunt Roman Fort, Warwickshire, undertaken by the University of British Columbia. She has been commissioned to write specialist palaeopathological reports for a number of organisations including the University of Bradford, and the Newark Castle Trust. She has also had work published in the British Archaeological Reports and Nottingham University publications.

In 1989 she received an Eric Fletcher Award from the Society for Medieval Archaeology. She is a part time lecturer in archaeology at Newark and Sherwood College, and a voluntary specialist medieval roof guide for Lincoln Cathedral.

### 4.5 Fred Coupland BA, PIFA

Fred Coupland has been involved in archaeology since 1984 and obtained his BA (Hons) in Ancient History and Classical Archaeology at the University of Sheffield in 1988.

Although his particular interest is Romano British and Roman Military History, he has wide experience in all aspects of fieldwork which has led him to many interesting site in a supervisory capacity and on several occasions he has worked at Hadrian's Wall.

Having worked at one time in the cycle manufacturing industry, Fred is a keen cyclist and has raced in this country and on the continent.

# 4.6 Janine Buckley BA

Janine gained a BA in Archaeology from Nottingham University in 1995, having been involved in archaeology from when still at school. Since joining the practice, Janine has gained experience in field and desktop archaeological assessment and evaluation work on road schemes, and other developments. She has taken part in the Newark Castle Trust excavations for 3 successive years, and will return for the final season this year.

4.7 Additional assistance will be used as required.

Figure 1: Location of Proposed Lakes Top Dressing Store and Area of Geophysical Survey

