

JB

M/27

**ARCHAEOLOGICAL WATCHING BRIEF
OF DEVELOPMENT AT
WRANGLE BANK,
WRANGLE,
LINCOLNSHIRE
(WWB 01)**



A P S
ARCHAEOLOGICAL
PROJECT
SERVICES

Event 412753
Source 417385
417386

Negative

**ARCHAEOLOGICAL WATCHING BRIEF
OF DEVELOPMENT AT
WRANGLE BANK,
WRANGLE,
LINCOLNSHIRE
(WWB 01)**

Work Undertaken For
Molsom and Partners

Report Compiled by
P. Cope-Faulkner BA (Hons) AIFA

December 2001

Planning Application No: B/01/0225/FULL
National Grid Reference: TF 4236 5350
City and County Museum Accession No: 2001.200

A.P.S. Report No: 171/01



Conservation
Services

10 DEC 2001

Highways & Planning
Directorate

CONTENTS

List of Figures

List of Plates

1.	Summary	1
2.	Introduction	1
2.1	Definition of a Watching Brief	1
2.2	Planning Background	1
2.3	Topography and Geology	1
2.4	Archaeological Setting	1
3.	Aims	2
4.	Methods	2
5.	Results	2
6.	Discussion	2
7.	Conclusions	3
8.	Acknowledgements	3
9.	Personnel	3
10.	Bibliography	3
11.	Abbreviations	3

Appendices

1	Specification for Archaeological Watching Brief
2	Context Descriptions
3	Glossary
4	The Archive

List of Figures

Figure 1 General Location Plan

Figure 2 Site Location Plan

Figure 3 Plan of the development showing section location

Figure 4 Section 1

List of Plates

Plate 1 General view of the development area

Plate 2 Section 1

1. SUMMARY

An archaeological watching brief was undertaken during the construction of a single dwelling on land at Church End, Wrangle, Lincolnshire. The watching brief monitored the excavation of the foundation trenches associated with the development.

Wrangle lies in an area of Iron Age (800 BC-AD 50) and Romano-British (AD 50-410) remains and close to the core of the medieval (AD 1066-1500) village.

The investigations revealed a sequence of marine alluvium overlain by subsoil and topsoil. No archaeological deposits or features were encountered. Finds include a single sherd of medieval pottery and fragments of modern drain.

2. INTRODUCTION

2.1 Definition of a Watching Brief

An archaeological watching brief is defined as 'a formal programme of observation and investigation conducted during any operation carried out for non-archaeological reasons within a specified area, where there is a possibility that archaeological deposits may be disturbed or destroyed.' (IFA 1997).

2.2 Planning Background

Archaeological Project Services was commissioned by Molsom and Partners to undertake an archaeological watching brief during construction of a dwelling at Wrangle Bank, Wrangle, Lincolnshire. Approval for the development was sought through the submission of planning application B/01/0225/FULL. Permission was granted subject to a standard condition for archaeological recording. The watching brief

was carried out in accordance with a specification designed by Archaeological Project Services and approved by the Boston Community Archaeologist (Appendix 1). The watching brief was undertaken on the 16th August 2001.

2.3 Topography and Geology

Wrangle is located 4km from the Lincolnshire coast and 12km northeast of Boston, Boston District, Lincolnshire (Fig. 1).

Wrangle Bank is located 2km north of the village centre as defined by the parish church of St. Mary and St. Nicholas at National Grid Reference TF 4236 5350 (Fig. 2). The site lies on generally level ground at a height of c. 2m OD.

Local soils are of the Wallasea Series, typically pelo-alluvial gley soils (Robson 1985, 41). Beneath these soils is a drift geology of younger marine silts and clays.

2.4 Archaeological Setting

Wrangle lies within an area of known archaeological remains dating from the Bronze age to the present day. A Bronze Age axe hammer and a number of worked flints have been found around the village (Lane 1993, Gazetteer).

Fieldwork undertaken as part of the Fenland Project identified an area of Iron Age and Romano-British salt-making sites (salterns) in the vicinity of Wrangle Bank with an apparent cluster to the east of the development area (Lane 1993, 74).

Wrangle is first mentioned in the Domesday Survey of c. 1086. Referred to as *Werangle* the name is derived from the Old English *wrengel* or *wrangel* meaning 'a crooked place' (Cameron 1998, 144). At the time of

the Domesday Survey the land was held by Count Alan and Guy of Craon and a portion of it was waste due to the action of the sea (Foster and Longley 1976).

The only extant remains of the medieval period is the church of St. Mary and St. Nicholas which has a 13th century doorway and tower but is mainly of 14th century date (DoE 1987, 67). Wrangle Bank is situated on the Old Fen Dyke which may have had its origins in the Late Saxon period (Lane 1993, 77). To the west of the site lies King's Hill, a medieval motte and bailey castle which is a Scheduled Ancient Monument (*ibid.*).

3. AIMS

The requirements of the watching brief, as described in the specification (Appendix 1), were to record and interpret archaeological deposits, if present, and to determine their date, sequence, function and origin.

4. METHODS

Trenches were opened by a mechanical excavator to depths of 1.2m as required by the development. Following excavation, the sides of the trenches were cleaned and rendered vertical. Selected deposits were partially or fully excavated by hand to determine their nature and to retrieve artefactual material. The depth and thickness of each deposit were measured from the ground surface. Each archaeological deposit or feature revealed was allocated a unique reference number (context number) with an individual written description. A list of all contexts and interpretations appears as Appendix 2. A photographic record was compiled and sections were drawn at a scale of 1:10. Recording of deposits encountered during the watching brief was undertaken

according to standard Archaeological Project Services practice.

Records of the deposits and features recognised during the watching brief were examined. Phasing was assigned based on the nature of the deposits and recognisable relationships between them.

5. RESULTS

Archaeological contexts are listed below and described. The numbers in brackets are the context numbers assigned in the field.

The earliest deposit encountered was a grey clay (004) layer that measured over 1m thick. This was overlain by a 0.3m thick brownish red silty clay (003). Both these deposits were identified as the underlying drift geology.

Overlying the natural silty clay was a subsoil comprising reddish brown clayey silt (002). This was 0.3m thick and contained fragments of modern brick. A greyish brown clayey silt (001) topsoil mixed with brick rubble sealed all deposits.

6. DISCUSSION

Deposits of clays and clayey silts were the earliest layers encountered during the watching brief. These relate to the underlying drift geology and can be identified as marine alluvium. These were sealed by a subsoil and a modern topsoil, which incorporated brick rubble from previous use as a crewyard. No artefacts were retrieved during this investigation.

7. CONCLUSIONS

Archaeological investigations were carried

out on land at Wrangle Bank, Wrangle, because the site lay in close proximity to Iron Age and Romano-British Salterns.

A sequence of natural deposits, identifiable with the underlying marine alluvium, subsoil and topsoil was encountered. No archaeological deposits or features were recorded or identified and no artefacts were retrieved.

8. ACKNOWLEDGEMENTS

Archaeological Project Services would like to acknowledge the assistance of Mr G. Molsom of Molsom and Partners who commissioned the fieldwork and post excavation analysis. The work was coordinated by Denise Drury and this report was edited by Tom Lane. Rebecca Wilcox, the Boston Borough Community Archaeologist, kindly permitted access to the library and parish files maintained by the Heritage Trust of Lincolnshire.

9. PERSONNEL

Project Coordinator: Denise Drury
Supervisor: Rachael Hall
Illustration: Paul Cope-Faulkner
Photographic Reproduction: Sue Unsworth
Post-excavation Analyst: Paul Cope-Faulkner

10. BIBLIOGRAPHY

Cameron, K., 1998, *A Dictionary of Lincolnshire Place-Names*, English Place-Name Society Popular Series Vol. 1

DoE, 1987, *List of Buildings of Special Architectural or Historic Interest: Borough of Boston*

Foster, C.W. and Longley, T. (eds), 1976, *The Lincolnshire Domesday and the Lindsey Survey*, The Lincoln Record Society 19

IFA, 1999, *Standard and Guidance for Archaeological Watching Briefs*

Lane, T.W., 1993, *The Fenland Project Number 8: Lincolnshire Survey, The Northern Fen-Edge*, East Anglian Archaeology 66

Robson, J.D., 1985, *Soils in Lincolnshire IV; Sheet TF45 (Friskney)*, Soil Survey Record No. 88

11. ABBREVIATIONS

APS Archaeological Project Services
DoE Department of the Environment
IFA Institute of Field Archaeologists

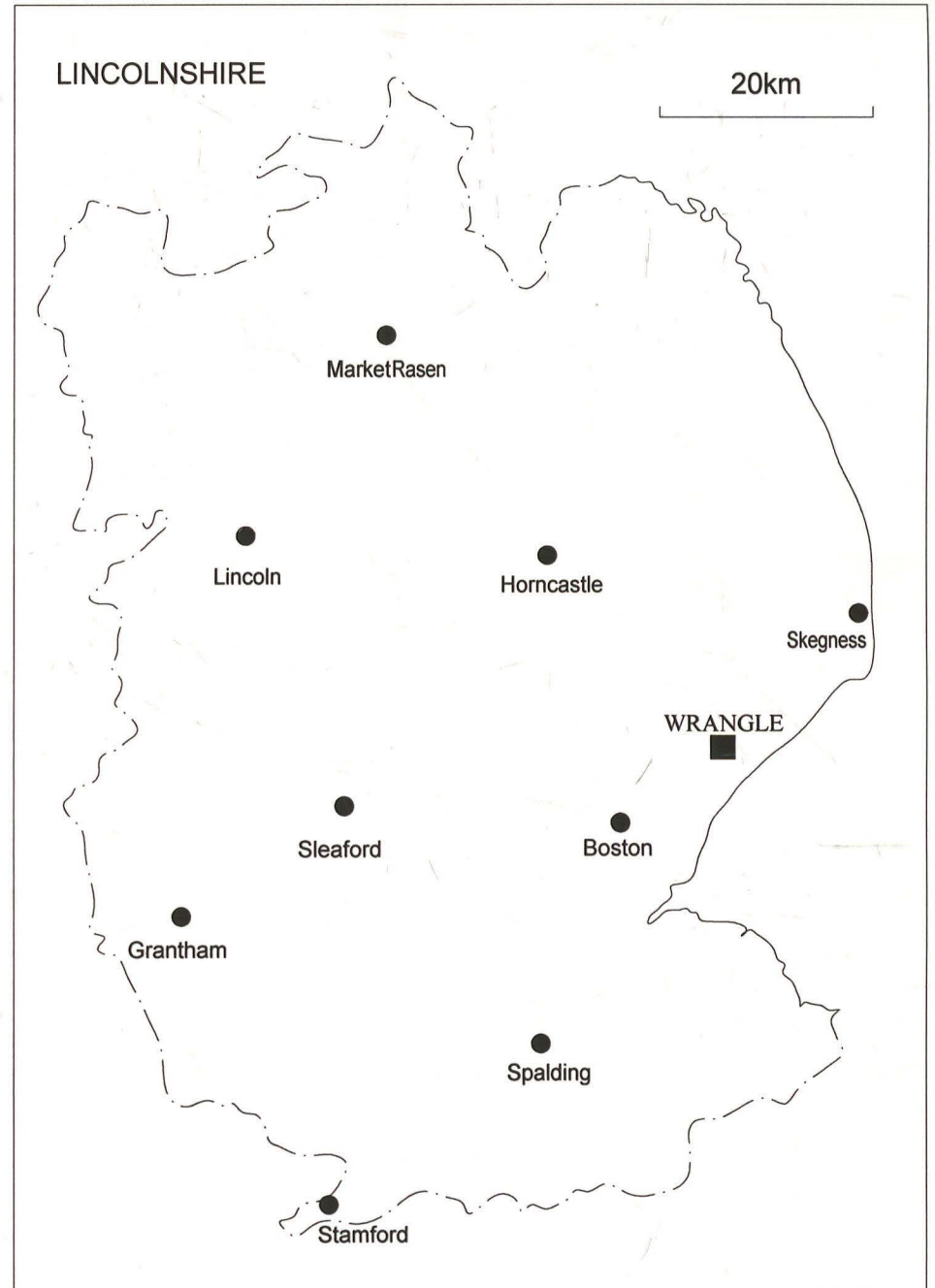


Figure 1 General Location Plan

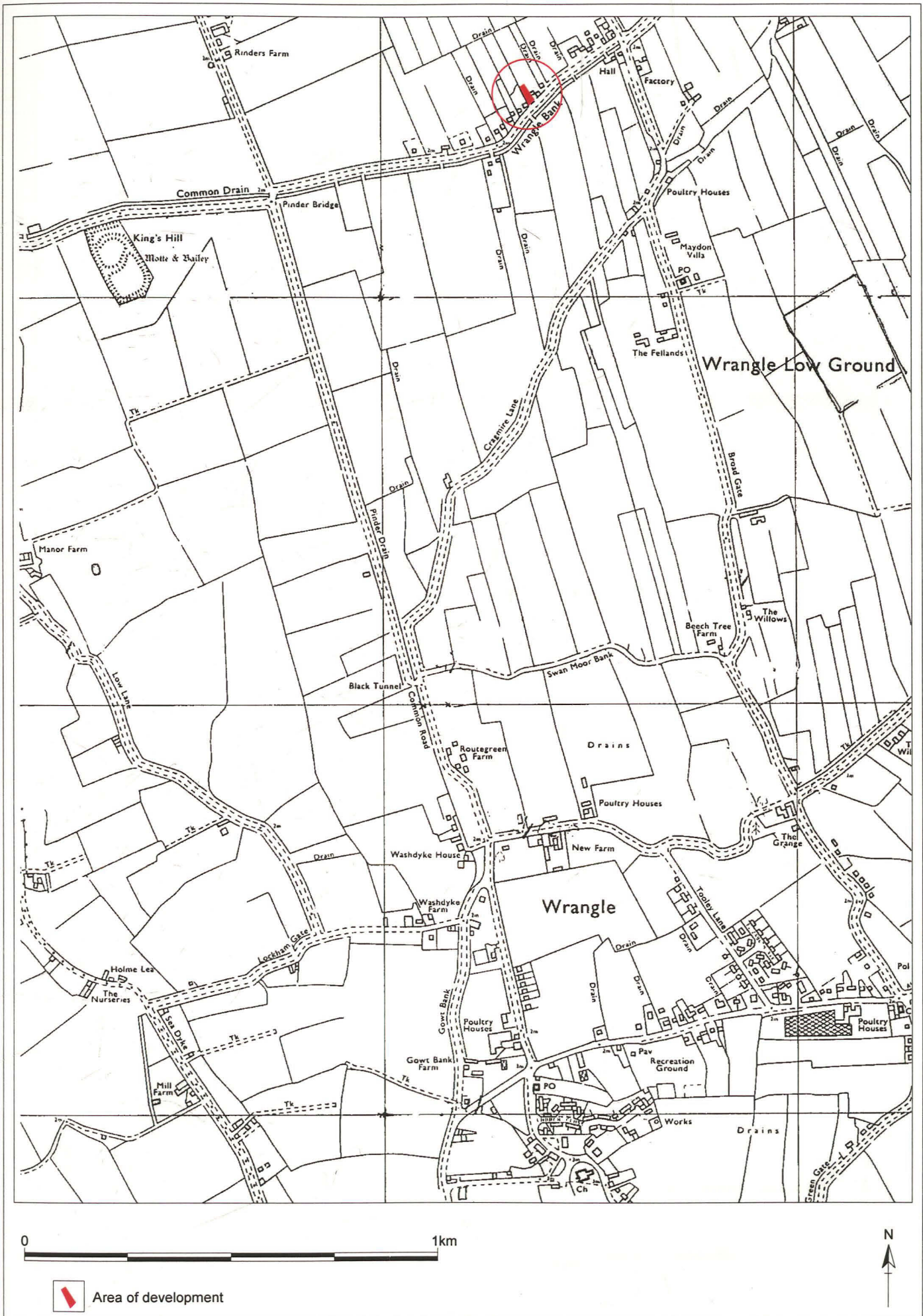


Figure 2 - Site location plan

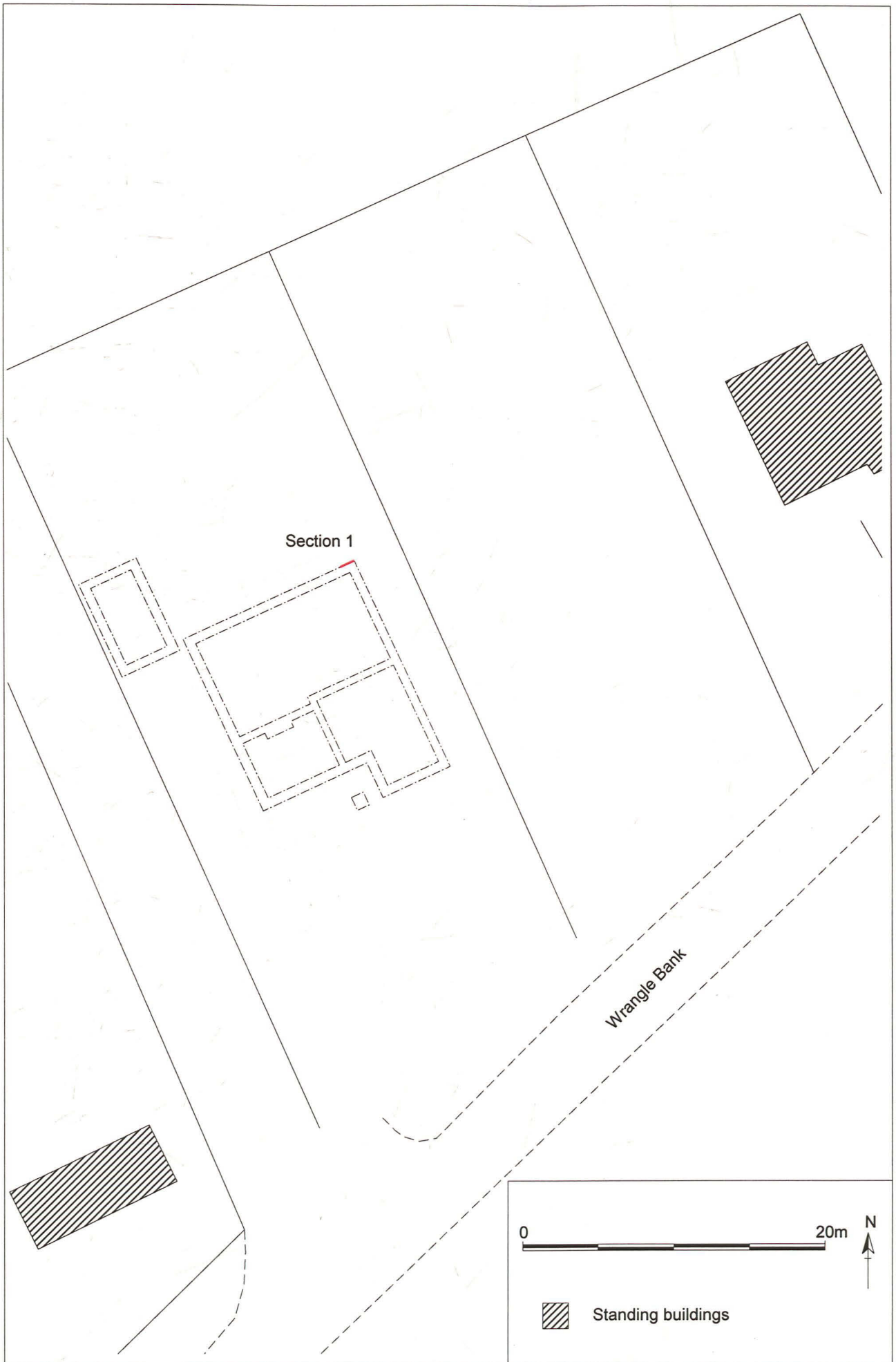
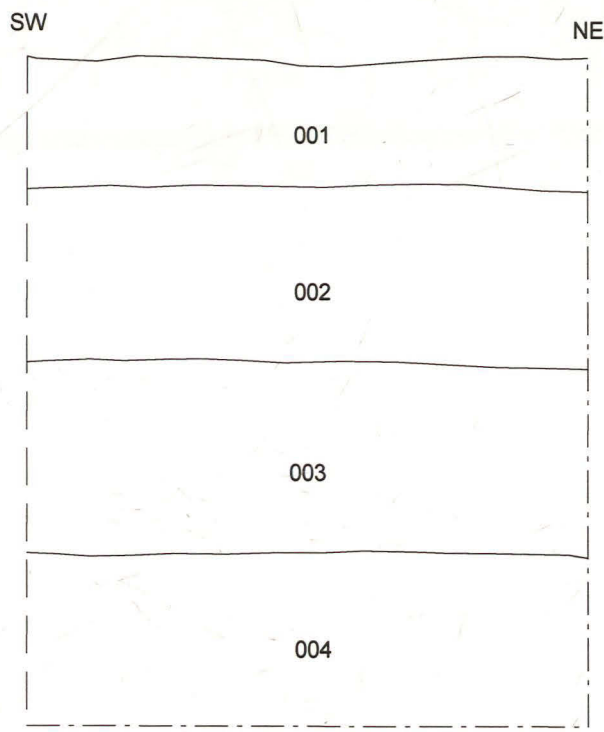


Figure 3 - Plan of the development showing section location



Section 1



Figure 4 - Section 1



Plate 1 - General view of the development area, looking northeast



Plate 2 - Section 1, looking northwest

Appendix 1

LAND AT WRANGLE BANK, WRANGLE, LINCOLNSHIRE - SPECIFICATION FOR ARCHAEOLOGICAL WATCHING BRIEF

1 SUMMARY

- 1.1 *A watching brief is required during construction of a bungalow and garage on land at Wrangle Bank, Wrangle, Lincolnshire.*
- 1.2 *The site is archaeologically sensitive, in an area of known salt manufacture dating from the Roman, Saxon and medieval periods.*
- 1.3 *The archaeological work will consist of a watching brief during development works on the site.*
- 1.4 *On completion of the fieldwork a report will be prepared detailing the results of the watching brief. The report will consist of a narrative supported by illustrations and photographs.*

2 INTRODUCTION

- 2.1 This document comprises a specification for archaeological watching brief during construction of a bungalow and garage on land at Wrangle Bank, Wrangle, Lincolnshire. The site is located at National Grid Reference TF 423 535.
- 2.2 This document contains the following parts:
 - 2.2.1 Overview.
 - 2.2.2 Stages of work and methodologies.
 - 2.2.3 List of specialists.
 - 2.2.4 Programme of works and staffing structure of the project

3 SITE LOCATION

- 3.1 Wrangle is located approximately 4km from the Lincolnshire coast and 12.5km northeast of Boston, in the administrative district of Boston. Wrangle Bank lies approximately 2km north of the village. It is centred on National Grid Reference TF 423 535.

4 PLANNING BACKGROUND

- 4.1 A planning application (B/01/0225/FULL) was submitted to Boston Borough Council for the construction of a bungalow and garage. Permission is subject to a condition requiring the undertaking of a watching-brief during groundworks associated with the development.

5 SOILS AND TOPOGRAPHY

- 5.1 Wrangle Bank lies to the north of Wrangle village at approximately 2m OD. Local soils are the Wallasea 2 Association, mainly peelo-alluvial gley soils developed on marine alluvium (Hodge *et al.* 1984, 338).

6 ARCHAEOLOGICAL OVERVIEW

- 6.1 Wrangle lies in an area of known archaeological remains, a number of sites and finds spots dating from the prehistoric period through to the medieval period have been identified together with Iron Age and Romano-British salterns. Wrangle is first mentioned in the Domesday Survey (1086). The church of St Mary and St Nicholas is believed to date from the 14th century or earlier.
- 6.2 Iron Age / Romano-British saltern sites have been identified around Wrangle Bank and late Saxon

/ medieval pottery has been recovered in the vicinity. Groundworks associated with the development may uncover archaeological remains from these periods.

7 AIMS AND OBJECTIVES

7.1 The aims of the watching brief will be:

7.1.1 To record and interpret the archaeological features exposed during the excavation of the foundation trenches and other areas of ground disturbance.

7.2 The objectives of the watching brief will be to:

7.2.1 Determine the form and function of the archaeological features encountered;

7.2.2 Determine the spatial arrangement of the archaeological features encountered;

7.2.3 As far as practicable, recover dating evidence from the archaeological features, and

7.2.4 Establish the sequence of the archaeological remains present on the site.

8 SITE OPERATIONS

8.1 General considerations

8.1.1 All work will be undertaken following statutory Health and Safety requirements in operation at the time of the watching brief.

8.1.2 The work will be undertaken according to the relevant codes of practise issued by the Institute of Field Archaeologists (IFA), under the management of a Member of the institute (MIFA). Archaeological Project Services is IFA registered organisation no. 21.

8.1.3 Any and all artefacts found during the investigation and thought to be 'treasure', as defined by the Treasure Act 1996, will be removed from site to a secure store and promptly reported to the appropriate coroner's office.

8.2 Methodology

8.2.1 The watching brief will be undertaken during the ground works phase of development, and includes the archaeological monitoring of all phases of soil movement.

8.2.2 Stripped areas and stanchion pit sections will be observed regularly to identify and record archaeological features that are exposed and to record changes in the geological conditions. The section drawings of the trenches will be recorded at a scale of 1:10. Should features be recorded in plan these will be drawn at a scale of 1:20. Written descriptions detailing the nature of the deposits, features and fills encountered will be compiled on Archaeological Project Services pro-forma record sheets.

8.2.3 Any finds recovered will be bagged and labelled for later analysis.

8.2.4 Throughout the watching brief a photographic record will be compiled. The photographic record will consist of:

- the site during work to show specific stages, and the layout of the archaeology within the trench.
- groups of features where their relationship is important

8.2.5 Should human remains be located the appropriate Home Office licence will be obtained before their removal. In addition, the Local Environmental Health Department and the police will be informed.

9 POST-EXCAVATION

9.1 Stage 1

9.1.1 On completion of site operations, the records and schedules produced during the watching brief will be checked and ordered to ensure that they form a uniform sequence forming a level II archive. A stratigraphic matrix of the archaeological deposits and features present on the site will be prepared. All photographic material will be catalogued and labelled, the labelling referring to schedules identifying the subject/s photographed.

9.1.2 All finds recovered during the field work will be washed, marked and packaged according to the deposit from which they were recovered. Any finds requiring specialist treatment and conservation will be sent to the Conservation Laboratory at the City and County Museum, Lincoln.

9.2 Stage 2

9.2.1 Detailed examination of the stratigraphic matrix to enable the determination of the various phases of activity on the site.

9.2.2 Finds will be sent to specialists for identification and dating.

9.3 Stage 3

9.3.1 On completion of stage 2, a report detailing the findings of the watching brief will be prepared.

9.3.2 This will consist of:

- A non-technical summary of the results of the investigation.
- A description of the archaeological setting of the watching brief.
- Description of the topography of the site.
- Description of the methodologies used during the watching brief.
- A text describing the findings of the watching brief.
- A consideration of the local, regional and national context of the watching brief findings.
- Plans of the archaeological features exposed. If a sequence of archaeological deposits is encountered, separate plans for each phase will be produced.
- Sections of the archaeological features.
- Interpretation of the archaeological features exposed, and their chronology and setting within the surrounding landscape.
- Specialist reports on the finds from the site.
- Appropriate photographs of the site and specific archaeological features.

10 REPORT DEPOSITION

10.1 Copies of the report will be sent to the Client; the Boston Borough Council Community Archaeologist; Boston Borough Council Planning Department; and to the County Council Archaeological Sites and Monuments Record.

11 ARCHIVE

- 11.1 The documentation and records generated during the watching brief will be sorted and ordered into the format acceptable to the City and County Museum, Lincoln. This will be undertaken following the requirements of the document titled Conditions for the Acceptance of Project Archives for long term storage and curation.

12 PUBLICATION

- 12.1 A report of the findings of the watching brief will be published in Heritage Lincolnshire's Annual Report and a note presented to the editor of the journal *Lincolnshire History and Archaeology*. If appropriate, notes on the findings will be submitted to the appropriate national journals: *Medieval Archaeology* and the *Journal of the Medieval Settlement Research Group* for findings of medieval or later date; and *Britannia* for discoveries of Roman date.

13 CURATORIAL RESPONSIBILITY

- 13.1 Curatorial responsibility for the archaeological work undertaken on the site lies with the Boston Borough Council Community Archaeologist. They will be given seven days notice in writing before the commencement of the project.

14 VARIATIONS

- 14.1 Variations to the proposed scheme of works will only be made following written confirmation of acceptance from the archaeological curator.
- 14.2 In the event of the discovery of any unexpected remains of archaeological importance, or of any changed circumstances, it is the responsibility of the archaeological contractor to inform the archaeological curator (*Lincolnshire Archaeological Handbook* 1998, Sections 5.7 and 18).
- 14.3 Where important archaeological remains are discovered and deemed to merit further investigation additional resources may be required to provide an appropriate level of investigation, recording and analysis.
- 14.4 Any contingency requirement for additional fieldwork or post-excavation analysis outside the scope of the proposed scheme of works will only be activated following full consultation with the archaeological curator and the client.

15 PROGRAMME OF WORKS AND STAFFING LEVELS

- 15.1 The watching brief will be integrated with the programme of construction and is dependent on the developers' work programme. It is therefore not possible to specify the person-hours for the archaeological site work.
- 15.2 An archaeological supervisor with experience of watching briefs will undertake the work.
- 15.3 Post-excavation analysis and report production will be undertaken by the archaeological supervisor, or a post-excavation analyst as appropriate, with assistance from a finds supervisor, illustrator and external specialists. It is expected that each fieldwork day (equal to one person-day) will require a post-excavation day (equal to one-and-a-half person-days) for completion of the analysis and report. If the fieldwork lasts longer than about four days then there will be an economy of scale with the post-excavation analysis.

16 SPECIALISTS TO BE USED DURING THE PROJECT

- 16.1 The following organisations/persons will, in principle and if necessary, be used as subcontractors to provide the relevant specialist work and reports in respect of any objects or material recovered during the investigation that require their expert knowledge and input. Engagement of any particular specialist subcontractor is also dependent on their availability and ability to meet programming requirements.

<u>Task</u>	<u>Body to be undertaking the work</u>
Conservation	Conservation Laboratory, City and County Museum, Lincoln
Pottery Analysis	Prehistoric - Trent & Peak Archaeological Trust Roman - B Precious, Independent Specialist Anglo-Saxon - J Young, Independent Specialist Medieval and later - G Taylor, APS in consultation with H Healey, Independent Archaeologist
Non-pottery Artefacts	J Cowgill, Independent Specialist
Animal Bones	Environmental Archaeology Consultancy
Environmental Analysis	J Rackham, Independent Specialist
Human Remains Analysis	R Gowland, Independent Specialist

17 INSURANCES

- 17.1 Archaeological Project Services, as part of the Heritage Trust of Lincolnshire, maintains Employers Liability Insurance of £10,000,000, together with Public and Products Liability insurances, each with indemnity of £5,000,000. Copies of insurance documentation can be supplied on request.

18 COPYRIGHT

- 18.1 Archaeological Project Services shall retain full copyright of any commissioned reports under the Copyright, Designs and Patents Act 1988 with all rights reserved; excepting that it hereby provides an exclusive licence to the client for the use of such documents by the client in all matters directly relating to the project as described in the Project Specification.
- 18.2 Licence will also be given to the archaeological curators to use the documentary archive for educational, public and research purposes.
- 18.3 In the case of non-satisfactory settlement of account then copyright will remain fully and exclusively with Archaeological Project Services. In these circumstances it will be an infringement under the Copyright, Designs and Patents Act 1988 for the client to pass any report, partial report, or copy of same, to any third party. Reports submitted in good faith by Archaeological Project Services to any Planning Authority or archaeological curator will be removed from said planning Authority and/or archaeological curator. The Planning Authority and/or archaeological curator will be notified by Archaeological Project Services that the use of any such information previously supplied constitutes an infringement under the Copyright, Designs and Patents Act 1988 and may result in legal action.
- 18.4 The author of any report or specialist contribution to a report shall retain intellectual copyright of their work and may make use of their work for educational or research purposes or for further publication.

19 BIBLIOGRAPHY

Hodge, CAH, Burton, RGO, Corbett, WM, Evans, R, and Seale, RS, 1984 *Soils and their use in Eastern England*, Soil Survey of England and Wales 13

Lane, T, 1993 *The Fenland project number 8: Lincolnshire survey, the northern Fen-edge*, East Anglian Archaeology 66

Appendix 2

CONTEXT DESCRIPTIONS

No.	Description	Interpretation
001	Friable dark greyish brown clayey silt with frequent rubble, 0.28m thick	Topsoil
002	Firm reddish brown clayey silt with occasional rubble, 0.3m thick	Subsoil
003	Firm brownish red silty clay, 0.3m thick	Natural deposit
004	Soft mid grey clay, >1m thick	Natural deposit

Appendix 3

GLOSSARY

Briquetage	A term given to fragments of ceramic equipment and hearth/oven remains from the processing of salt.
Bronze Age	A period characterised by the introduction of bronze into the country for tools, between 2250 and 800 BC.
Context	An archaeological context represents a distinct archaeological event or process. For example, the action of digging a pit creates a context (the cut) as does the process of its subsequent backfill (the fill). Each context encountered during an archaeological investigation is allocated a unique number by the archaeologist and a record sheet detailing the description and interpretations of the context (the context sheet) is created and placed in the site archive. Context numbers are identified within the report text by brackets, <i>e.g.</i> (004).
Iron Age	A period characterised by the introduction of Iron into the country for tools, between 800 BC and AD 50.
Layer	A layer is a term to describe an accumulation of soil or other material that is not contained within a cut.
Medieval	The Middle Ages, dating from approximately AD 1066-1500.
Natural	Undisturbed deposit(s) of soil or rock which have accumulated without the influence of human activity.
Post-medieval	The period following the Middle Ages, dating from approximately AD 1500-1800.
Prehistoric	The period of human history prior to the introduction of writing. In Britain the prehistoric period lasts from the first evidence of human occupation about 500,000 BC, until the Roman invasion in the middle of the 1 st century AD.
Romano-British	Pertaining to the period dating from AD 43-410 when the Romans occupied Britain.
Saltern	Salt producing site typified by ash, derived from fuel needed to evaporate sea water, and briquetage.
Saxon	Pertaining to the period dating from AD 410-1066 when England was largely settled by tribes from northern Germany.

Appendix 4

THE ARCHIVE

The archive consists of:

4	Context records
1	Scale drawings (sections)
1	Photographic record sheet
1	Bag of finds
1	Stratigraphic matrix

All primary records and finds are currently kept at:

Archaeological Project Services
The Old School
Cameron Street
Heckington
Sleaford
Lincolnshire
NG34 9RW

The ultimate destination of the project archive is:

Lincolnshire City and County Museum
12 Friars Lane
Lincoln
LN2 1HQ

The archive will be deposited in accordance with the document titled *Conditions for the Acceptance of Project Archives*, produced by the Lincolnshire City and County Museum.

Lincolnshire City and County Museum Accession Number: 2001.200

Archaeological Project Services Site Code: WWB 01

The discussion and comments provided in this report are based on the archaeology revealed during the site investigations. Other archaeological finds and features may exist on the development site but away from the areas exposed during the course of this fieldwork. *Archaeological Project Services* cannot confirm that those areas unexposed are free from archaeology nor that any archaeology present there is of a similar character to that revealed during the current investigation.

Archaeological Project Services shall retain full copyright of any commissioned reports under the *Copyright, Designs and Patents Act 1988* with all rights reserved; excepting that it hereby provides an exclusive licence to the client for the use of such documents by the client in all matters directly relating to the project as described in the Project Specification.