

An Archaeological Watching Brief At Land Off Bowbridge Road, Newark, Nottinghamshire



ARS Ltd Report No-2016/124

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Archaeological Research
Services Ltd

An Archaeological Watching Brief at Land off Bowbridge Road, Newark, Nottinghamshire

Archaeological Research Services Ltd Report 2016/124

September 2016

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EXECUTIVE SUMMARY

Project Name: Land off Bowbridge Road

Site Code: NEWK'16

Planning: 15/02299/FULM

Location: Newark, Nottinghamshire

Geology: Branscombe Formation Mudstone

NGR: SK 803 521

Date of Fieldwork: August 2016

Date of Report: September 2016

In July 2016 Archaeological Research Services Ltd (ARS Ltd) was commissioned by Henry Boot Construction Ltd to undertake an archaeological watching brief in satisfaction of planning consent (15/02299/FULM) in advance of the construction of an 'extra-care' residential development for the elderly. Archaeological monitoring of the proposed development was inserted as a condition prior to occupancy and development. The site lies in close proximity to non-designated historic environment assets recorded within the Nottinghamshire HER (Historic Environment Record). The project was undertaken by Tim Cobbold, Caitlin Halton and Elise McLellan Assistant Project Officers at Archaeological Research Services Ltd (ARS), and was managed by Reuben Thorpe Projects Manager at ARS Ltd.

An area measuring approximately 1 ha was stripped of topsoil and underlying natural silty sand deposits to the depth required by the development. No buried archaeological features or finds were identified.

1 INTRODUCTION

1.1 CIRCUMSTANCES AND SCOPE OF WORKS

1.1.1 Archaeological monitoring was undertaken by Archaeological Research Services Ltd (ARS Ltd) in August 2016 during groundworks for the construction of a residential development for the elderly in satisfaction of Condition 6 of planning consent 15/02299/FULM. Archaeological monitoring was undertaken in three phases for a total of eight days occurring on August 8th – 12th, 19th, 24th and 26th 2016.

1.2 SITE LOCATION

1.2.1 The site is located off Bowbridge Road, 1.6km to the south-east of the centre of Newark and 1.6km north-west of Balderton. The site is centred at NGR SK 480325 352298 (Figure 1) and comprises grassed open space and allotments.

1.2.2 The site is bounded to the north by allotments, to the west by Bowbridge Road, to the east by a sports and leisure complex and to the south by industrial/commercial units.

1.3 LANDFORM, GEOLOGY AND SOILS

1.3.1 The site lies at c.19m above Ordnance Datum (aOD) and slopes gently downwards to the north-west towards the River Trent.

1.3.2 The underlying geology of the site is made up of Triassic mudstone of the Branscombe formation, with superficial deposits of Balderton member sands and gravels (BGS 2016).

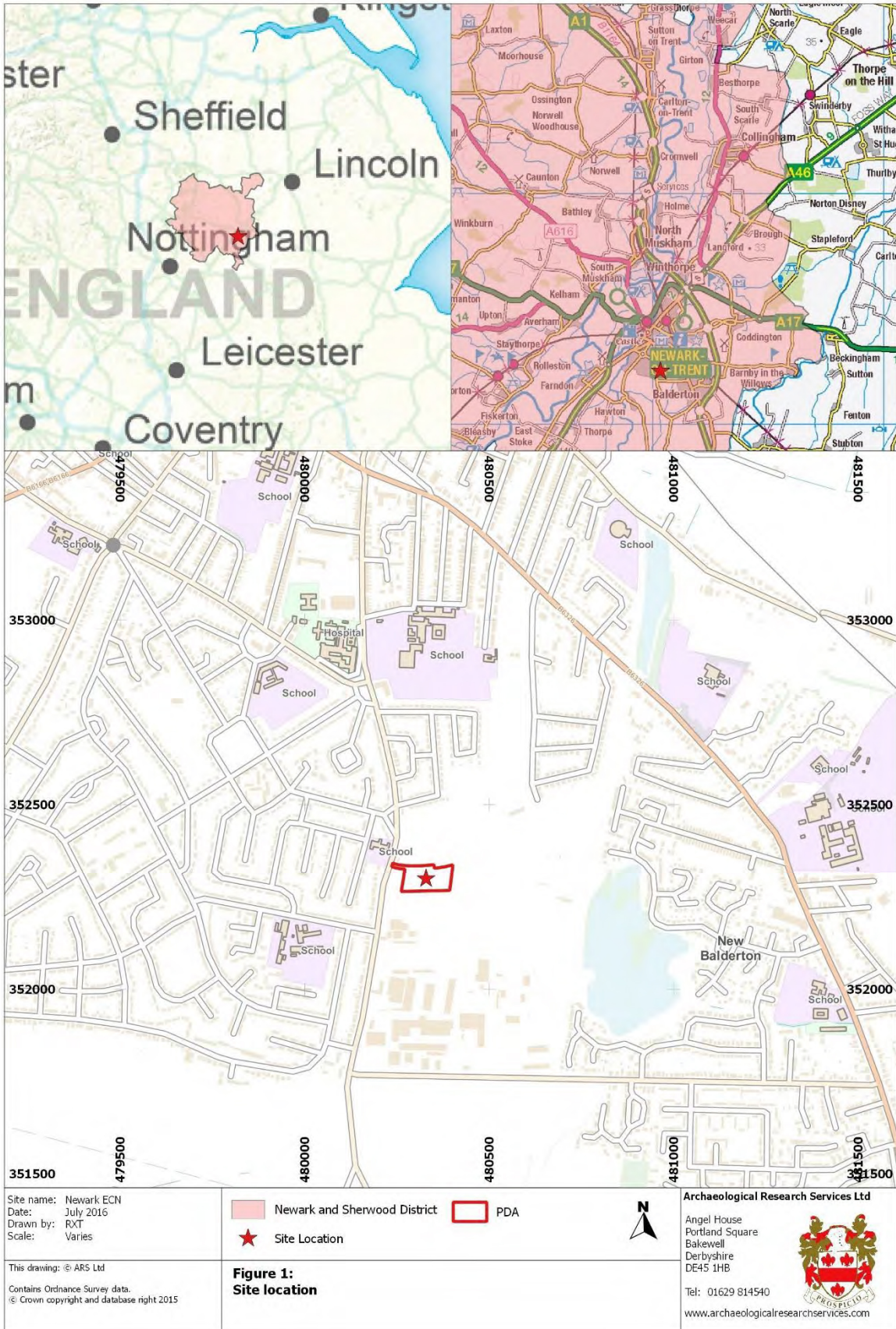


Figure 1: Site Location. (Ordnance Survey data copyright OS, reproduced by permission, Licence no. 100045420).

1.4 ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

1.4.1 Various archaeological finds and features have been previously identified within 500m of the site including Neolithic and Bronze Age pottery to the north-east (National Record for the Historic Environment record no. 324314), a Bronze Age hoard to the north-east (Nottinghamshire HER no. MNT 3608), possible Roman enclosures to the south-east (NRHE 324353, MNT 3610) and a Merovingian (Saxon) gold coin to the south-east (NRHE 324353).

1.4.2 An archaeological watching brief was undertaken immediately to the east in 2015 during the groundworks for the construction of a sport and leisure complex, Newark Sports and Fitness Centre, Newark, NG23 9DH. No archaeological deposits, structures or finds were identified (APS 2014).

2 AIMS AND OBJECTIVES

2.1 The objective of the watching brief was to ensure that archaeological remains or artefacts associated with Neolithic, Bronze Age and Roman activity and/or occupation were not removed without being recorded and interpreted and that where possible Neolithic, Bronze Age and Roman remains be preserved *in situ*.

3 METHOD STATEMENT

3.1 A full methodology is outlined in the Written Scheme of Investigation (WSI) at the rear of this report, however:

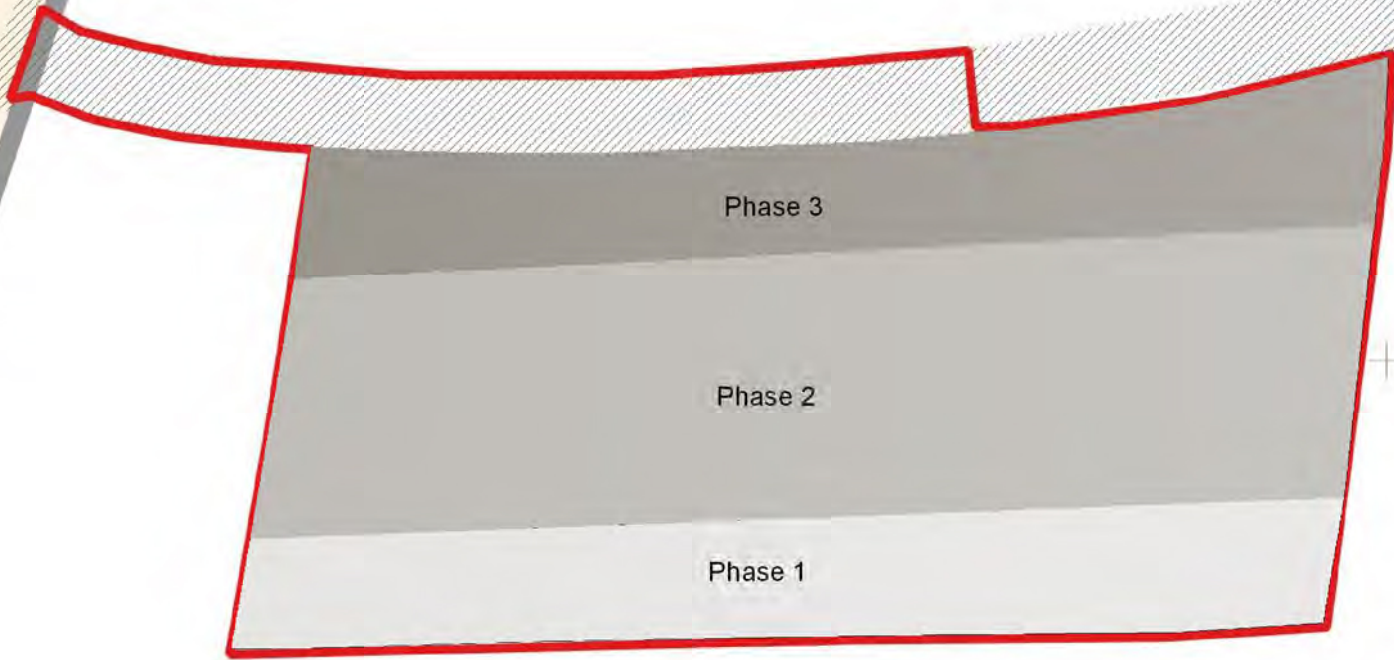
- Archaeological monitoring was undertaken on those areas exposed during development
- The on-site archaeologist was given the opportunity to stop site work in order to investigate potential archaeological features and adequate time was allowed for recording
- All groundworks were undertaken by hand or by a mechanical excavator fitted with a toothless ditching bucket
- Machinery did not cross areas that had been stripped until said had been checked and cleared by ARS Ltd
- Health and safety regulations were adhered to at all times.

3.2 The watching brief was carried out in accordance with the Chartered Institute for Archaeologists *Standards and Guidance for Archaeological Watching Briefs* (2014a) and *Code of Conduct* (2014b).

School

Figure 2. Site plan showing three phases of topsoil removal

Phase 1 - August 16th, 2016
Phase 2 - August 19th, 2016
Phase 3 - August 26th, 2016



0 25 50 75 100 m



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© A.R.S. Ltd

Ordnance Survey data if applicable
© Crown Copyright, all rights reserved
reproduction with permission.
Licence No. 100045420

4 RESULTS

4.1 An area approximately 1 ha in size was stripped of topsoil to investigate the potential for any archaeological remains. The topsoil was stripped in three phases occurring on August 16th, 19th and 26th 2016 (Figure 2). In some areas a small amount (<0.1m) of the geological natural (102) was removed following the removal of topsoil.



Figure 3. Working shot of topsoil stripping.

4.3 Details of the individual contexts recorded are contained within Appendix I. However, the sequence encountered typically comprised the topsoil (101) which overlay the geological natural (102) which was encountered between 0.3m and 0.6m below ground level (BGL). The natural (102) was observed at a maximum depth of 0.6m BGL.

4.4 The topsoil (101) was at its shallowest (0.3m thick) in the southern portion of the site and grew gradually thicker (0.6m thick) as the ground sloped gently downwards towards the River Trent to the north-west.



Figure 4. Stripped area along northern boundary of site.

5 DISCUSSION AND CONCLUSIONS

5.1 No finds, features or made ground were identified during archaeological monitoring.

6 ARCHIVING AND PUBLICATION

6.1 Digital and paper copies of this report will be submitted to Nottingham City Museums and Galleries.

6.2 A copy of this report will be uploaded as part of the OASIS record.

7 PUBLICITY, CONFIDENTIALITY AND COPYRIGHT

7.1 Any publicity will be handled by the client. Archaeological Research Services Ltd will retain the copyright of all documentary and photographic material under the Copyright, Designs and Patent Act (1988).

8 STATEMENT OF INDEMNITY

8.1 All statements and opinions contained within this report arising from the works undertaken are offered in good faith and compiled according to professional standards.

8.2 No responsibility can be accepted by the author/s of the report for any errors of fact or opinion resulting from data supplied by any third party, or for loss or other consequence arising from decisions or actions made upon the basis of facts or opinions expressed in any such report(s), howsoever such facts and opinions may have been derived.

9 ACKNOWLEDGEMENTS

9.1 Archaeological Research Services Ltd would like to thank all those who contributed to the outcome of this project, in Henry Boot Construction Ltd for contracting the work and providing access, as well as Ursilla Spence, County Archaeologist for Nottinghamshire, for her advice and assistance.

10 REFERENCES

- Archaeological Project Services (APS). 2014. *Scheme of Archaeological Work at Bowbridge Road, Newark, Nottinghamshire*. Unpublished WSI.
- British Geological Survey. 2016. Geology of Britain viewer. Available online at: <http://mapapps.bgs.ac.uk/geologyofbritain/home/html> [3.08.16].
- Chartered Institute for Archaeologists (CifA). 2014a. *Standards and guidance for Archaeological Excavation*, Reading
- Chartered Institute for Archaeologists (CifA). 2014b. *Code of Conduct*. Reading, Institute for Archaeologists
- English Heritage. 1991. *Management of Archaeological Projects*. London: English Heritage
- .

An Archaeological Watching Brief At Land Off Bowbridge Road, Newark, Nottinghamshire

APPENDIX I- CONTEXT SUMMARY TABLE

Context Number	Type	Description	Depth BGL
101	Deposit	Medium brown sandy silt topsoil present across entire site, with a thickness of 0.3m to 0.6m, increasing in thickness towards the north-west. Frequent inclusions of modern rubbish and debris, possibly the result of fly-tipping as the site was previously vacant.	0m BGL
102	Deposit	Brownish orange silty sand present across the entire site directly below the topsoil. Full depth not observed.	0.3-0.6m BGL

APPENDIX II- PHOTOGRAPH REGISTER

Shot No.	Direction	Scale	Context No.	Description	Photo By	Date
01	NW	-	(101) (102)	Working shot	EM	19/08/2016
02	NW	-	(101) (102)	Working shot	EM	19/08/2016
03	NE	-	(101) (102)	Excavated area, Phase 2	EM	19/08/2016
04	NW	-	(101) (102)	Working shot	EM	19/08/2016
05	W	-	(101) (102)	Phase 3 pre-excavation	TC	26/08/2016
06	E	-	(101) (102)	Phase 3 pre-excavation	TC	26/08/2016
07	NE	-	(101) (102)	Working shot	TC	26/08/2016
08	NW	-	(101) (102)	Working shot	TC	26/08/2016
09	NW	-	(101) (102)	Working shot	TC	26/08/2016
10	NW	-	(101) (102)	Working shot	TC	26/08/2016
11	E	-	(101) (102)	Excavated area, Phase 3	TC	26/08/2016
12	NW	-	(101) (102)	Working shot	TC	26/08/2016

APPENDIX III: WRITTEN SCHEME OF INVESTIGATION

Land off Bowbridge Road, Newark, Nottinghamshire

**Written Scheme of Investigation for
Archaeological Watching Brief**

July 2016



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Angel House, Portland Square, Bakewell, Derbyshire, DE45 1HB

www.archaeologicalresearchservices.com

Prepared on behalf of: Henry Boot Construction Ltd.

Date of compilation: July 2016

Compiled by: Reuben Thorpe MCifA

Planning Reference: 15/02299/FULM

Local Authority: Newark and Sherwood District
Council

Site central NGR: SK 803 521

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1 INTRODUCTION

1.1 Project and Planning Background

1.1.1 This Written Scheme of Investigation (WSI) has been prepared by Archaeological Research Services Ltd (ARS Ltd) on behalf of Henry Boot Construction Ltd. It details a scheme of works for an archaeological watching brief in satisfaction of planning consent 15/02299/FULM for the construction of *proposed 'extra care' residential development for the elderly consisting of 60 single and two bed apartments and the associated communal spaces* at land off Bowbridge Road, Newark, Nottinghamshire, NGR 480325 352298.

1.1.2 The site lies within 500m of non-designated historic environment assets recorded within the Nottinghamshire HER (Historic Environment Record).

1.1.3 Archaeology is a material consideration in the planning process. Paragraph 128 of *National Planning Policy Framework (NPPF)* (DCLG 2012, 30), outlines the responsibility of developers and Local Planning Authorities to ensure a scheme of archaeological works where *a site on which development is proposed includes or has the potential to include heritage assets with archaeological interest*.

1.1.4 Planning permission has been granted for development of the site subject to condition, Condition 6, which requires archaeological work prior to occupancy and development, which states:

No development shall take place within the application site until details of a scheme for archaeological mitigation has been submitted to and approved in writing by the local planning authority. This scheme should be drawn up and implemented by a professional archaeologist or archaeological organisation. The scheme shall thereafter be carried out in accordance with the approved details, unless otherwise agreed in writing by the local planning authority.

1.1.5 This WSI has been prepared to comply with the stipulations of planning consent in consultation with the County Archaeologist for Nottinghamshire. It describes the objectives and the methods to be employed and, once issued, will have been prior approved by the County Archaeologist for Nottinghamshire.

1.2 Site description

1.2.1 The 'red line boundary' of the proposed development area (PDA) is delineated in Figure 1. The site lies 1.6km to the southeast of the centre of Newark and 1.6 km northwest of Balderton, 27km to the northeast of Nottingham.

1.3 Landform, Geology and Soils

1.3.1 The site comprises grassed open space and allotments bounded to the north by allotments, to the west by Bowbridge Road, to the east by a sports and leisure complex and to the south by industrial/commercial units. The site is centred at NGR SK 480325, 352298 (Figure 1) and lies at c. 19m above Ordnance Datum (aOD) with the River Trent 1.7km to the north-west.



1.3.2 The solid geology of the PDA comprises mudstone of the Branscombe formation (formerly Keuper Marl), formed during the Triassic Period when the local environment was dominated by hot deserts. This is overlain by superficial deposits of Balderton member sands and gravels which are uppermost across the PDA (BGS 2016).

2 ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

2.1 Various discoveries have been made within 500m of the PDA, these include:

- Neolithic and Bronze Age pottery found to the northeast in 1936 and 1938 National Record for the Historic Environment (NRHE) record no 324314.
- A Bronze Age Hoard to the northeast Nottinghamshire HER (MNT 3608)
- Enclosures, assumed to be Roman in date, to the southeast (NRHE 324353, MNT 3610).
- A Merovingian (Saxon) gold coin to the southeast (NRHE 324353).

2.2 Archaeological works have previously been undertaken during the groundworks for the construction of a sport and leisure complex, Newark Sports and Fitness Centre, Newark, NG23 9DH, immediately to the east (APS 2015). These works, which consisted of an archaeological watching brief, found no archaeological deposits, structures or finds.

3 AIMS AND OBJECTIVES

3.1 Regional Research Aims and Objectives

3.1.1. There is potential for research topics identified in *East Midlands Heritage. An Updated Research Agenda and Strategy for the Historic Environment of the East Midlands* (Knight *et al.* 2012) to be addressed namely:

- 6.3.1.1 Refine the dating framework of Neolithic and Bronze Age ceramics.
- 6.3.8.1 Identifying intra-regional variations in the character of Neolithic/Bronze Age artefacts (Knight *et al.* 2012. 46).
- Additionally research relating to Roman settlement patterns and landscapes, the agricultural economy and the study of artefacts (6.5.4; 6.5.5; 6.5.6) may be addressed.

3.2 Watching Brief Objectives

3.2.1. The aims and objectives of the watching brief will be to:

- ♦ Identify the presence/absence of archaeological features and deposits within the site.
- ♦ Record all archaeological features and deposits encountered.
- ♦ Sample sufficient of the archaeological features and deposits to establish relative sequence, likely dating and quality of preservation.



- ◆ Gather sufficient information to establish the character, extent, form, function and likely status of any surviving archaeological deposits.

4 WATCHING BRIEF METHODOLOGY

4.1 Coverage

4.1.1 The watching brief will involve the continuous monitoring on areas subject to groundworks associated with development and the provision of services and any areas where ground works may affect buried archaeological remains.

4.1.2 Areas where topsoil has previously been removed, during development to the east (Figure 2), will be reassessed to establish if monitoring is necessary in these locations.

4.1.3 The number and frequency of attendances may, depending on the nature of the deposits encountered on site, be re-assessed to potentially take place on an intermittent basis. In such a case visits will be agreed on site and in full consultation with the site project manager of Henry Boot Ltd and the County Archaeologist for Nottinghamshire.

4.2 General

4.2.1. All elements of the archaeological watching brief will be carried out in accordance with the Chartered Institute for Archaeologists (CIfA) *Code of Conduct* (2014a) and will follow the CIfA's *Standards and Guidance for Archaeological Watching Briefs* (2014b) and *Standards and Guidance for Archaeological Excavations* (2014b).

4.2.2. All staff employed on the project will be suitably qualified for their respective project roles and have substantial experience of archaeological excavation and recording. All staff will be made aware of the archaeological importance of the area surrounding the site and will be fully briefed on the work required by this specification.

4.2.3 All ground works covered under this specification will be undertaken by a suitable mechanical excavator fitted with a toothless ditching bucket.

4.2.4 ARS Ltd will ensure that heavy plant or machinery will not be operated in the immediate vicinity of any archaeological remains until they have been recorded.

4.2.5 Contractors and plant operators will be notified that any observations of archaeological remains must be reported immediately to the archaeologist on site. Regular contact will be ensured between ARS Ltd. and the site project manager to ensure that ARS Ltd. is kept up to date with site works and given the chance to respond appropriately and in line with the Nottinghamshire County Archaeologists requirements.

4.2.6 All site operations will be carried out in a safe manner in accordance with ARS Ltd's health and safety policy. A risk assessment will be prepared before commencement on site.



4.2.7 The responsible on-site archaeologist will be fully apprised of the archaeological potential of the site.

4.2.8 Archaeologists will be given by the site contractors, at his/her request, the opportunity to stop site work to investigate potential archaeological features. Adequate time will be negotiated / allowed for recording any such features.

4.2.9 If significant archaeological features are identified the County Archaeologist for Nottinghamshire and the site project manager will be notified and a decision taken as to the best method of proceeding.

4.3 Excavation

4.3.1 Site recording will follow standard conventions outlined in the Site Recording Manual of Museum of London Archaeology (MoLAS) (2002).

4.3.2 Should archaeological features be present then the locations and height above Ordnance Datum (aOD) of the features will be accurately fixed, surveying in either the planning baselines or the features themselves.

4.3.3 Where archaeological features and/or deposits are identified during the watching brief, a sufficient quantity of said features will be investigated by hand to allow their date, nature and degree of survival to be ascribed.

4.3.4 For sealed and stratigraphically secure deposits that have the potential to provide environmental evidence relating to diet and economy, dating evidence or landuse regime, a minimum of 40 litres of sample will be taken, or 100% of the sample if smaller.

4.3.5 In the case of waterlogged or anaerobic deposits a minimum sample size of 20L will be taken.

4.3.6 Should a sequence of superimposed deposits of note be present column sampling may be considered.

4.3.7 In all instances sampling strategies will be in accordance with guidelines issued by Historic England's *Environmental Archaeology: A Guide to the Theory and Practice Methods, from sampling and recovery to post excavation* (Campbell et al. 2011).

4.3.8 Should other types of environmental deposits be encountered, appropriate specialist advice will be sought and an appropriate sampling strategy devised. Samples will be assessed by a suitable specialist with provision for further analysis as required. Advice from the Historic England Scientific Advisor will be taken as appropriate.

4.3.9 Any human remains will initially be left in-situ and, if deemed necessary, removal will be undertaken once a Coroners licence has been obtained in accordance with the relevant Ministry of Justice regulations and in discussion with the County Archaeologist for Nottinghamshire.



4.3.10 Finds of "treasure" will be reported to the Coroner in accordance with the Treasure Act (DCMS 2008). The Portable Antiquities Liaison Officer will also be notified.

HM Coroner
Nottingham Coroners Service,
The Council House,
Nottingham,
NG1 2DT,
Tel: 0115 841 555

Finds Liaison Officer
Alastair Willis
Museums and Art Gallery
The Strand
Derby
Derbyshire
DE1 1BS
Tel: 01332 641903
E-mail: Alastair@derbymuseums.org

4.3.11 The County Archaeologist for Nottinghamshire will also be notified and, if necessary, a site meeting arranged to determine if further investigation in the vicinity of the find spot is required.

4.4 Recording

4.4.1 The site will be tied into the National Grid and located on a 1:2500 or 1:1250 map of the area. The site will be recorded in accordance with the ARS Ltd. field recording manual.

4.4.2 A full and proper record (written, graphic and photographic as appropriate) will be made, on site, for all work, using pre-printed record sheets with appropriate prompted text descriptions. Accurate measured scale plans and sections/elevations will be drawn where required at appropriate, recognised, metric scales in accordance with best practice. In addition to relevant illustrations, provision for rectified photographic recording shall be made, if deemed necessary.

4.4.3 A stratigraphy of the site will be recorded even where no archaeological deposits have been identified.

4.4.4 The heights above sea level will be recorded for all deposits and features in metres above Ordnance Datum (aOD).

4.4.5 Site photography will be in high resolution (7 megapixel or greater) colour DSLR photography and in monochrome print. Photographic images will comprise general site working shots, images of the excavation area and separately images of individual features and groups of features. Photographs will include a suitable photographic scale (where appropriate) and will be recorded on a photographic register. A supplementary record of working images will be taken to demonstrate how the site was investigated and what the prevailing conditions were like during excavation.

4.4.6 A stratigraphic matrix will be compiled for all trenches where superimposed archaeological deposits, features or structures are encountered.



4.5 Finds Processing and Storage

4.5.1 All finds processing, conservation work and storage of finds will be carried out in accordance with the ClfA (2014c) *Standard and Guidance for the collection, documentation, conservation and research of archaeological materials* and the UKIC (1990) *Guidelines for the Preparation of Archives for Long-Term Storage*.

4.5.2 Artefact collection and discard policies will be appropriate for the defined purpose. Artefacts from all stratified archaeological entities or suspected archaeological entities will be collected.

4.5.3 Bulk finds will be washed and marked. Marking and labelling will be indelible and irremovable by abrasion. Bulk finds will be appropriately bagged, boxed and recorded. This process will be carried out no later than two months after the end of the excavation.

4.5.4 All small finds will be recorded as individual items and appropriately packaged (e.g. lithics in self-sealing plastic bags and ceramic in acid-free tissue paper). Vulnerable objects will be specially packaged and textile, painted glass and coins stored in appropriate specialist systems. This process will be carried out within two days of the small find being excavated.

4.5.5 During and after the excavation all objects will be stored in appropriate materials and storage conditions to ensure minimal deterioration and loss of information (including controlled storage, correct packaging, and regular monitoring, immediate selection for conservation of vulnerable material). All storage will have appropriate security provision.

4.5.6 The deposition and disposal of artefacts will be agreed with the legal owner and the recipient museum which, in this case, is Nottingham City Museums and Galleries prior to the work taking place. All finds except treasure trove are the property of the landowner.

4.5.7 All retained artefacts and ecofacts will be cleaned and packaged in accordance with the requirements of the recipient museum.

5 MONITORING ARRANGEMENTS

5.1 Reasonable notice (no less than 5 working days) shall be provided before the commencement of works and to arrange monitoring visits by the County Archaeologist for Nottinghamshire.

Ursilla Spence
County Archaeologist
Department of Planning
Nottinghamshire County
Council
Trent Bridge House
West Bridgford



Nottingham
 NG2 7QX
 Tel: 0115 9932603

5.2 ARS Ltd will liaise with the County Archaeologist for Nottinghamshire at regular intervals throughout the course of the work.

5.3 The client will afford reasonable access to the County Archaeologist for Nottinghamshire or their representative, for the purposes of monitoring archaeological mitigation

6 TIMETABLE, STAFFING AND RESOURCES

6.1 The Project Manager for the watching brief will be Reuben Thorpe MCIfA, Projects Manager at ARS Ltd. The Fieldwork Project Officer will be Tim Cobbold, Project Officer at ARS Ltd. An outline timetable for project implementation is presented below

Task	Commencement date	Estimated duration
Mobilisation	Week ending 5/08/2016	Up to two days
Commencement of Watching Brief	Week beginning 8/08/2016	Ten working days
Reporting	Week beginning 29/082016	Discovery dependent

Table 1. Outline timetable for project implementation

6.2 Finds analysis will be carried out by appropriately qualified specialists, as detailed, subject to availability.

- ◆ Flint and prehistoric pottery: Dr Robin Holgate MCIfA
- ◆ Romano-British pottery: Ian Rowlandson
- ◆ Samian ware: Dr Gwladys Monteil
- ◆ Medieval and post-medieval pottery: Dr Chris Cumberpatch/Dr Robin Holgate MCIfA
- ◆ Medieval and Post-Medieval metalwork, glasswork and clay pipes. Mike Wood MCIfA
- ◆ Plant macrofossils and charcoals: Elise McLellan
- ◆ Human and animal bone: Milena Grzybowska
- ◆ Radiocarbon dating: Prof Gordon Cook (SUERC)
- ◆ Finds conservation: Vicky Garlick (Durham University)



7 REPORT

7.1 Following completion of the watching brief, Archaeological Research Services Ltd will produce a report which will include:

- ◆ Non-technical summary.
- ◆ Introductory statement.
- ◆ Aims and purpose of the project.
- ◆ Methodology.
- ◆ A location plan showing all excavated areas and any archaeological features with respect to nearby fixed structures and roads.
- ◆ Illustrations of all archaeological features with appropriately scaled hachured plans and sections.
- ◆ A summary narrative of the results.
- ◆ An interpretive synthesis of the results placing them in their local, regional and national context.
- ◆ Conclusions.
- ◆ Supporting data – tabulated or in appendices to include:
 - ◆ Specialists reports.
 - ◆ Finds.
 - ◆ Environmental.
 - ◆ Structural and Stratigraphic Data.
 - ◆ Context summary tables with processual interpretation.
 - ◆ Stratigraphic Matrices.
- ◆ Index to archive and details of archive location.
- ◆ References.
- ◆ Statement of intent regarding publication.
- ◆ Confirmation of archive transfer arrangements.
- ◆ A copy of the OASIS form.

9.2 One bound copy of the final report with a digital copy of the report in PDF/A format on disk will be deposited with the Nottinghamshire Historic Environment Record (HER). A copy of the report will be uploaded as part of the OASIS record.

8 ARCHIVE DEPOSITION



8.1 Should the project produce archaeologically significant finds, then the County Archaeologist for Nottinghamshire and Museum Curator at Nottingham City Museum will be notified at the earliest opportunity and an accession number will be produced for the site.

8.2 A digital, paper and artefactual archive will be prepared by ARS Ltd, consisting of all primary written documents, plans, sections, photographs and electronic data (in a format to be agreed with Nottingham City Museums and Galleries).

8.3 The archive will be deposited in line with the ClfA (2013c) *Standard and Guidance for the creation, compilation, transfer and deposition of archaeological archives*, Society of Museum Archaeologists (1993) *Selection, Retention and Dispersal of Archaeological Collections. Guidelines for use in England, Wales and Northern Ireland* and will be deposited within two months of the completion of the report.

8.4 The County Archaeologist for Nottinghamshire and the Museum Curator at Nottingham City Museums and Galleries will be notified in writing on completion of the fieldwork with projected dates for the completion of the report and deposition of the archive.

8.5 The date for deposition of the archive will be confirmed in the report and the County Archaeologist for Nottinghamshire informed in writing on final deposition of the archive.

8.6 All artefacts and associated material will be cleaned, recorded, properly stored and deposited in the archive.

8.7 A full set of annotated, illustrative pictures of the site, excavation, features, layers and selected artefacts will be deposited with the archive as digital images on a CD ROM.

8.8 At the start of work (immediately before fieldwork commences) an OASIS online record <http://ads.ahds.ac.uk/project/oasis/> will be initiated and key fields completed on Details, Location and Creators forms. All parts of the OASIS online form will be completed for submission to the HER. This will include an uploaded .pdf version of the entire report (a paper copy will also be included within the archive).

9 GENERAL ITEMS

9.1 Health and Safety

9.1.1 All work will be carried out in accordance with The Health and Safety at Work Act 1974. Specific health and safety policies exist for all out workplaces and all staff employed will be made aware of the policy and any relevant issues. The particular risks involved with this project will be assessed, recorded and relevant mitigation measures put in place as part of a full risk assessment, which will be compiled in advance of fieldwork. ARS Ltd retains Peninsula as its expert health and safety consultants.



9.2 Insurance Cover

9.2.1 ARS Ltd has full insurance cover for employee liability (£10 million) public liability (£5 million), professional indemnity (£2 million) and all-risks cover.

9.3 Changes to the Written Scheme of Investigation

9.3.1 Changes to the approved methodology or programme of works will only be made with prior written approval of The County Archaeologist for Nottinghamshire.

9.4 Publication

9.4.1 If significant archaeological remains are recorded, a summary of the project with, if appropriate, selected drawings, illustrations and photographs will be prepared for publication in online, journal or monograph form as appropriate. Additional popular articles will also be produced for local and/or national magazines as appropriate. The final form of the publication is to be agreed with the County Archaeologist for Nottinghamshire and the client dependent on the results of the fieldwork.

9.5 Copyright

11.5.1 Any publicity will be handled by the client. ARS Ltd will retain the copyright of all documentary and photographic material under the Copyright, Designs and Patent Act (1988).

10 REFERENCES

- Archaeological Project Services (APS). 2014. *Scheme of Archaeological Work at Bowbridge Road, Newark, Nottinghamshire*. Unpublished WSI.
- British Geological Survey. 2016. Geology of Britain viewer. Available online at: <http://mapapps.bgs.ac.uk/geologyofbritain/home/html> [Accessed 11th July 2016].
- Campbell, G., Moffett, L., and Straker, V. 2011. *Environmental Archaeology. A Guide to the Theory and Practice of Methods, from Sampling and Recovery to Post-excavation* (2nd edn). Portsmouth: Historic England
- Chartered Institute for Archaeologists (CIfA). 2014a. *Code of Conduct*. Reading: Chartered Institute for Archaeologists.
- Chartered Institute for Archaeologists (CIfA). 2014b. *Standard and Guidance for an Archaeological Watching Briefs*. Reading: Chartered Institute for Archaeologists.
- Chartered Institute for Archaeologists (CIfA). 2014c. *Standard and Guidance for an Archaeological Field Evaluation*. Reading: Chartered Institute for Archaeologists.

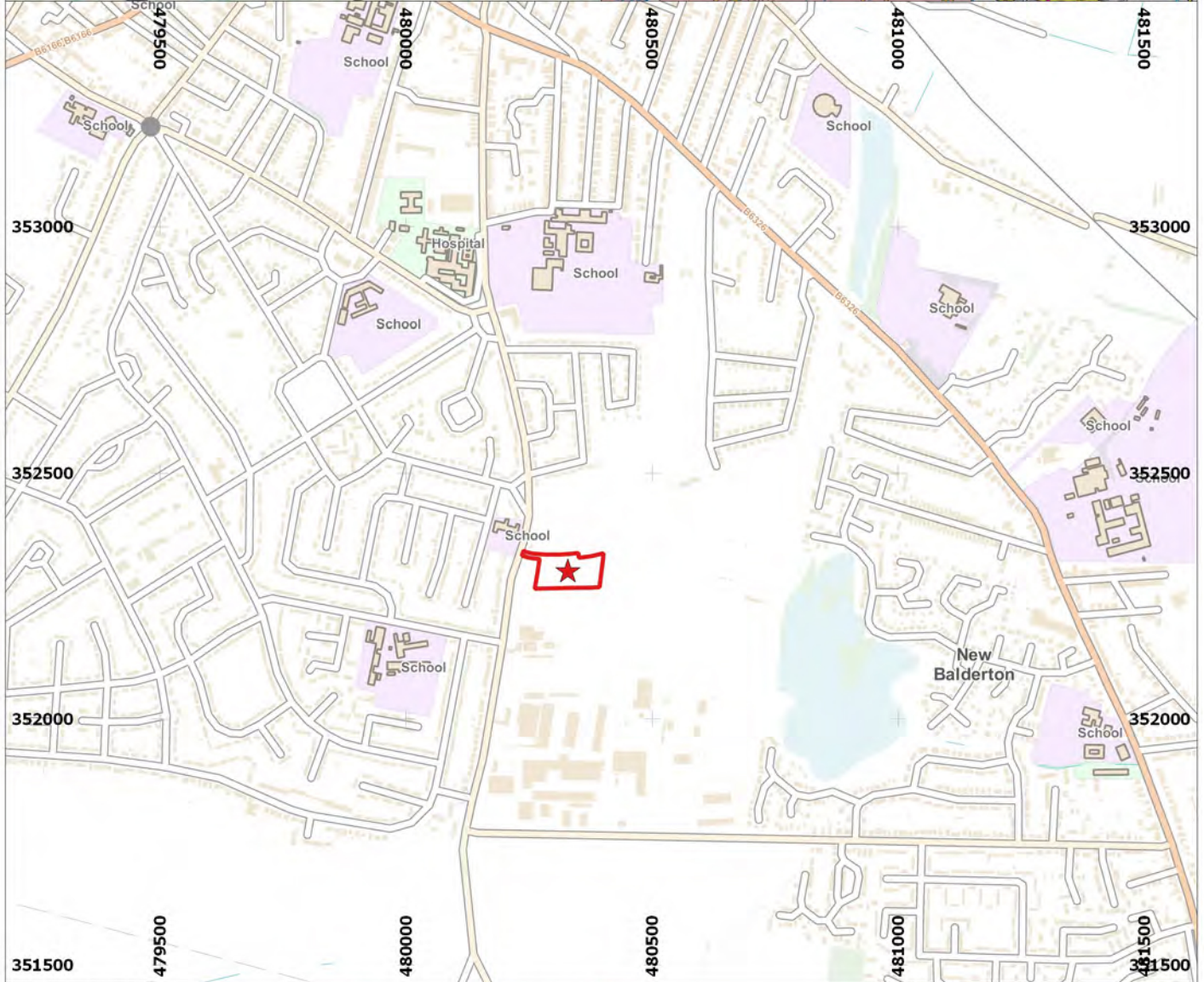
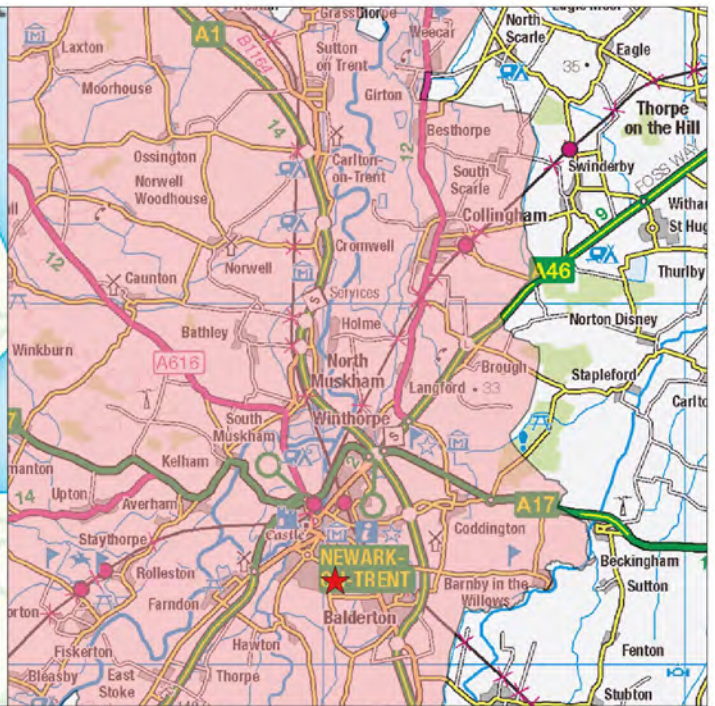
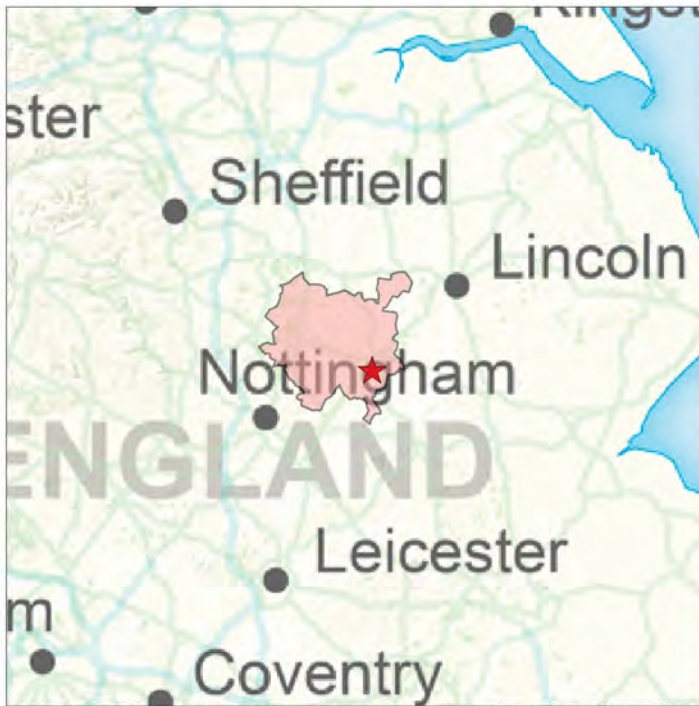


- Chartered Institute for Archaeologists. 2014d. *Standard and Guidance for the collection, documentation, conservation and research of archaeological materials*. Reading: Chartered Institute for Archaeologists.
- Chartered Institute for Archaeologists. 2014e. *Standard and Guidance for the creation, compilation, transfer and deposition of archaeological archives*. Reading: Chartered Institute for Archaeologists.
- Department of Culture Media and Sport. (DCMS). 2008. *Treasure Act 1996 Code of Practice (Second Revision)*. London: The Stationery Office.
- Department for Culture and Local Government. (DCLG). 2012. *National Planning Policy Framework*. London: DCLG.
- Knight, D., Vyner, B., and Allen, C. 2012. *East Midlands Heritage: An Updated Research Agenda and Strategy for the historic Environment of the East Midlands*. Nottingham.
- MOLAS. 2002. *Site Recording Manual*. London: Museum of London Archaeology Service
- Society of Museum Archaeologists. 1993. *Selection, Retention and Dispersal of Archaeological Collections. Guidelines for use in England, Wales and Northern Ireland*. London: Society of Museum Archaeologists.
- United Kingdom Institute for Conservation. 1990. *Guidelines for the Preparation of Archives for Long-Term Storage*.



FIGURES





Site name: Newark ECN
 Date: July 2016
 Drawn by: RXT
 Scale: Varies

This drawing: © ARS Ltd
 Contains Ordnance Survey data.
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Newark and Sherwood District
 PDA

★ Site Location

**Figure 1:
Site location**

Archaeological Research Services Ltd

Angel House
 Portland Square
 Bakewell
 Derbyshire
 DE45 1HB

Tel: 01629 814540
www.archaeologicalresearchservices.com

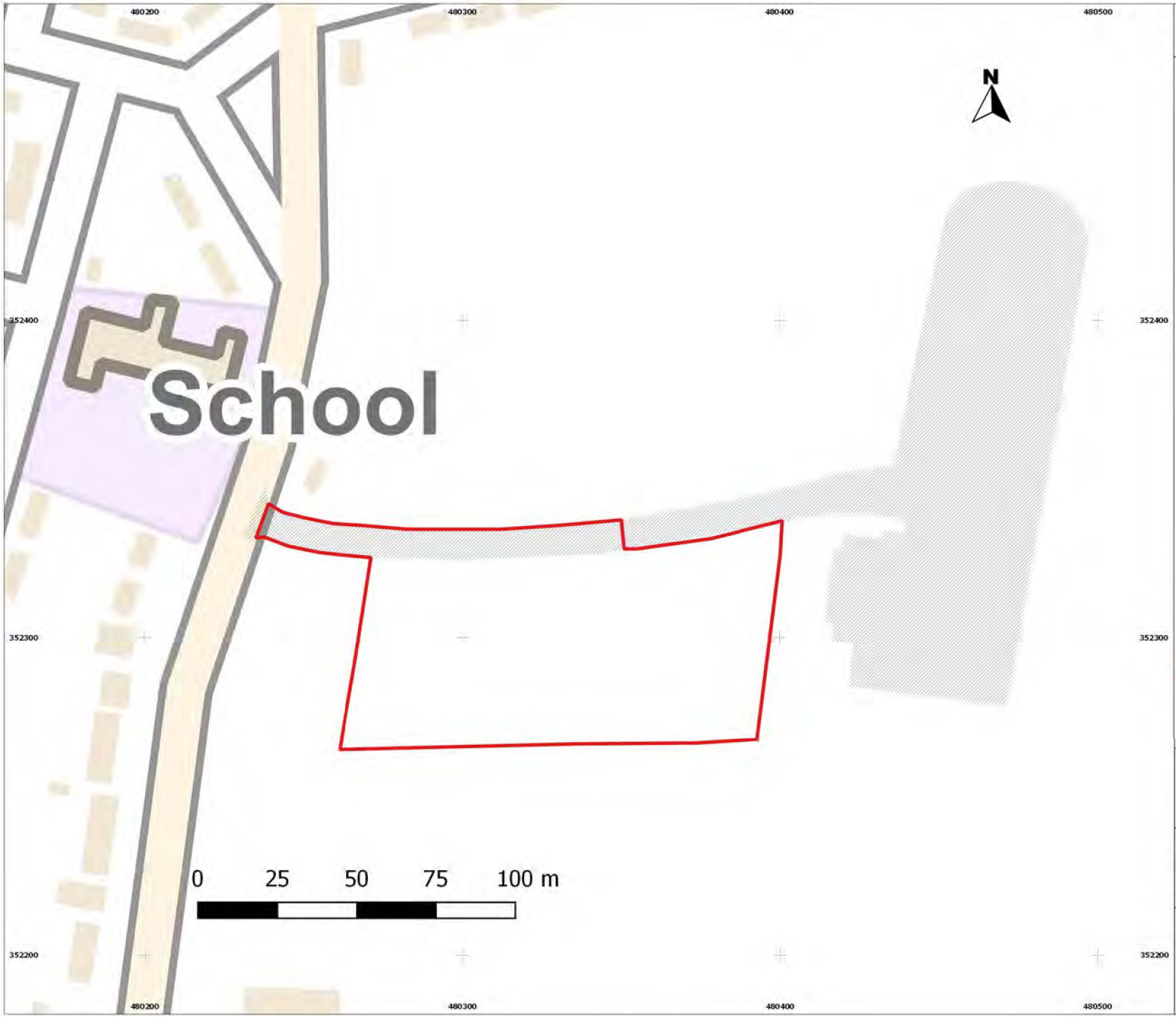


Figure 2: The proposed development area and previous

- Proposed development area
- Previous archaeological work

Site name: Newark ECM
 Date: July 2016
 Drawn by: RXT
 Scale: as shown

This drawing © ARS Ltd
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 database right 2015

Archaeological Research Services Ltd
 Angel House
 Portland Square
 Belper
 Derbyshire
 DE45 1HB
 Tel: 01629 814540
www.archaeologicalresearchservices.com



APPENDIX IV: OASIS RECORD

OASIS DATA COLLECTION FORM: England

[List of Projects](#) | [Manage Projects](#) | [Search Projects](#) | [New project](#) | [Change your details](#) | [HER coverage](#) | [Change country](#) | [Log out](#)

Printable version

OASIS ID: archaeol5-261658

Project details

Project name	Archaeological Monitoring at Land off Bowbridge Road, Newark, Nottinghamshire
Short description of the project	In July 2016 Archaeological Research Services Ltd (ARS Ltd) was commissioned by Henry Boot Construction Ltd to undertake an archaeological watching brief in satisfaction of planning consent (15/02299/FULM) in advance of the construction of an 'extra-care' residential development for the elderly. Archaeological monitoring of the proposed development was inserted as a condition prior to occupancy and development. The site lies in close proximity to non-designated historic environment assets recorded within the Nottinghamshire HER (Historic Environment Record). The project was undertaken by Caitlin Halton, Elise McLellan and Tim Cobbold, assistant project officers and archaeological officers at Archaeological Research Services Ltd (ARS), and was managed by Reuben Thorpe and Tony Brennan, Projects Manager and Operations Manager respectively at ARS Ltd. An area measuring approximately 1 ha was stripped of topsoil and underlying natural silty sand deposits to the depth required by the development. No buried archaeological features or finds were identified.
Project dates	Start: 16-08-2016 End: 26-08-2016
Previous/future work	No / No
Type of project	Recording project
Current Land use	Other 1 - Allotment
Current Land use	Other 13 - Waste ground
Monument type	NONE None
Significant Finds	NONE None
Investigation type	"Watching Brief"
Prompt	National Planning Policy Framework - NPPF

Project location

Country	England
Site location	NOTTINGHAMSHIRE NEWARK AND SHERWOOD NEWARK Land off Bowbridge Road, Newark
Study area	1 Hectares
Site coordinates	SK 480325 352298 52.912026138876 -1.28565321439 52 54 43 N 001 17 08 W Point

Project creators

Name of	Archaeological Research Services Ltd
---------	--------------------------------------

Organisation
Project brief originator Archaeological Research Services Ltd
Project design originator Archaeological Research Services Ltd
Project director/manager Tony Brennan
Project supervisor Elise McLellan
Project supervisor Tim Cobbold
Type of sponsor/funding body Developer
Name of sponsor/funding body Henry Boot Construction Ltd

Project archives

Physical Archive Exists? No
Digital Archive recipient Nottingham City Museums and Galleries
Digital Contents "Stratigraphic"
Digital Media available "Images raster / digital photography"
Paper Archive recipient Nottingham City Museums and Galleries
Paper Contents "Stratigraphic"
Paper Media available "Context sheet", "Report"

Entered by Elise McLellan (elise@archaeologicalresearchservices.com)
Entered on 2 September 2016

OASIS:

Please e-mail [Historic England](#) for OASIS help and advice
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