

# LAND ADJACENT TO 155 THE STREET, RUSHMERE ST ANDREW, SUFFOLK

# ARCHAEOLOGICAL EVALUATION



Report Number: 1182

January 2018



# LAND ADJACENT TO 155 THE STREET, RUSHMERE ST ANDREW, SUFFOLK

# **ARCHAEOLOGICAL EVALUATION**

Prepared on behalf of:

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Britannia Archaeology Ltd

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Site Code	RMA 038	NGR	TL 1975 4601
Planning Ref.	DC/13/3784/FUL	OASIS	britanni1- 284689
Event Code	ESF25545	HER Inv. No.	9196381
Approved By:	Æ	Date	January 2018

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# Abstract

On the 19<sup>th</sup> December 2017, Britannia Archaeology Ltd (BA) undertook an archaeological evaluation by means of trial trenching at Land Adjacent 155 The Street, Rushmere St Andrew, Suffolk prior to the construction of two dwellings (TL 690 776). The requirement for the evaluation consisted of linear trial trenching to sample the proposed development area. This took the form of three trenches, each measuring 20.00m x 1.80m.

The archaeological background for the site suggested that there would be a specific potential for medieval features and finds, on the basis of the proximity to the medieval church of St Andrew.

Despite this, the archaeological evaluation encountered no archaeological features or finds. The uppermost layer of the stratigraphic sequence for the site was a garden soil layer, below this the trenching showed that the subsoil and natural geology had been heavily truncated by modern tree root intrusions, this was especially noticeable- in trenches 1 and 2.



# **1.0 INTRODUCTION**

On the 19<sup>th</sup> December 2017, Britannia Archaeology Ltd (BA) undertook an archaeological evaluation by means of trial trenching at Land Adjacent 155, The Street, Rushmere St Andrew, Suffolk prior to the construction of two dwellings (TL 690 776). The requirement for the evaluation consisted of linear trial trenching to sample the proposed development area. This took the form of three trenches, each measuring 20.00m x 1.80m.

Planning permission was granted on 9th March 2015 for 2 residential dwellings at Land adjacent to No.155, The Street, Rushmere St Andrew (Council Reference DC/13/3784/FUL). The planning permission was pursuant to 16 conditions of which conditions 16 and 17 require a programme of archaeological work in accordance with a written scheme of investigation and the completion and approval of post investigation assessment.

The archaeological conditions state:

Condition 16 - 'No development shall take place within the area (the whole site) until the applicant/developer has secured the implementation of a programme of archaeological work, in accordance with a Written Scheme of Investigation which has been submitted by the developer and approved in writing by the local planning authority. The scheme of investigation shall include an assessment of significance and research questions; and:

- a) The programme and methodology of site investigation and recording
- b) The programme for post investigation assessment
- c) Provision to be made for analysis of the site investigation and recording
- d) Provision to be made for publication and dissemination of the analysis and records of the site investigation

e) Provision to be made for archive deposition of the analysis and records of the site investigation

f) Nomination of a competent person or persons/organisation to undertake the works set out within the Written Scheme of Investigation.

g) The site investigation shall be completed prior to development, or in such other phased arrangement, as agreed and approved by the Local Planning Authority.

Condition 17 – No building shall be occupied until the site investigation and post investigation assessment has been completed, submitted to and approved in writing by the Local Planning Authority, in accordance with the programme set out in the Written Scheme of Investigation approved under condition 16 and the provision made for analysis, publication and dissemination of results and archive deposition has been secured.

This Archaeological Evaluation report has been prepared for approval by Suffolk Coastal District Council to satisfy the requirements of these conditions.

The Written Scheme of Investigation (WSI) has been prepared by Britannia Archaeology and has been approved by Suffolk County Council Archaeology department prior to the



implementation of archaeological work on site. A copy of the approved WSI, is enclosed at Appendix 3.

# 2.0 SITE DESCRIPTION

The site is located in the south western bounds of the village of Rushmere St Andrew, Suffolk in a rectangular garden plot located south of The Street and north west of a large area of private open space, providing sports pitches and other facilities for local sports clubs. Directly to the south west is further land within the applicants ownership followed by open agricultural land which separates the village from the urban edge of Suffolk.

The bedrock geology is described as Red Crag Formation. This coarse grained sand is poorly sorted, cross bedded and shelly with frequent iron pan and formed during the Piacenzian to Thurnian Ages (BGS, 2017).

Superficial deposits at the site are described as Lowesoft Formation chalky till deposits. These chalky till deposits (with outwash sands and gravels) formed during the Anglian Stage of the middle Pleistocene glaciation, (BGS, 2017).

# 3.0 PLANNING POLICIES

The archaeological investigation is to be carried out on the recommendation of the local planning authority, following guidance laid down by the *National Planning and Policy Framework* (NPPF, DCLD 2012) which replaced *Planning Policy Statement 5: Planning for the Historic Environment* (PPS5, DCLG 2010) in March 2012. The relevant local Development Plan comprises:

- The Suffolk Coastal Local Plan 'Saved policies' (2001 and 2006).
- The Core Strategy and Development Management Policies Document (2013).
- The Site Allocations and Area Specific Policies Document (2017).

# 4.0 ARCHAEOLOGICAL BACKGROUND (Figs. 2 & 3)

The following archaeological background utilises the Suffolk Historic Environment Record (HER) (1km search centred on the site), Historic England PastScape (www.pastscape.org.uk), and the Archaeological Data Service (www.ads.ahds.ac.uk) (ADS) (Fig. 2 & 3). 21 monument entries, 11 events and 5 listed building entry were returned within the 1km search area. In addition, 1 confidential PAS monument record was returned.

The site is located on the south western extent of the village of Rushmere St Andrew, Suffolk and is approximately 3km east of the town of Ipswich.

The SHER search returned 8 entries dating to the prehistoric period. A single Paleolithic record (IPS 075) relates to an Acheulian hand-axe discovered during the excavation of a



sewer trench. The closest record to the site, IPS 085 is located approximately 750m to the south west and relates to the discovery of two flint scrappers and flakes that have been dated to the Neolithic period. A Bronze Age record (RMA 002) located 700m to the south refers to bucket urns found on the commoners sandpit on the North West corner of Rushmere heath in the first half of the 20th century. The remainder of the prehistoric records refer find spots and find scatters which include a Pontin coin (IPS 235) a scatter of flint found during a fieldwalking survey (RMA 020) and further general scatters of flint found during fieldwalking (RMA Misc).

The Romano-British period marked a change for East Anglia as a whole, with Colchester (Camulodunum) becoming the capital of Roman Britain. The HER search returned 3 monument records dating to the Roman period, none of which are located on the site area. The closest record of Roman date (RMA 009) relates to a possible bronze Roman buckle found 150m to the south. Further records in the wider search area include a coin of Faustina (RMA 006) and a scatter of Roman pottery, (RMA 017).

A Roman ring was found on the land adjacent to the west boundary of the site (CAC 035) while Roman finds were discovered in a buried soil layer at an evaluation 50m north of the site (GSE 074). Excavations at Pakefield Middle and High Schools 600m to the north-east revealed Roman pottery (LWT 170). NMP cropmark data in the area within 500m of the site (Fig. 4) may represent Roman field systems. Most of the Roman records exist further afield on the periphery of the search radius or just outside it, such as an artefact scatter of pottery and coins 850m to the west of site (GSE 012) or the pottery, CBM and bronze and silver coins discovered on the coastline 950m to the south-east of the site (GSE 031) and GSE 037).

The medieval period is represented by 5 records within the 1km search area. This period also includes the most significant record relating to the site, The Church of St Andrew (RMA 016). The church has its origins in the mid-12th century however the church was almost entirely rebuilt in 1861. The church has a plaintile roof and also includes two major modern extensions. The church is only located 50m to the North West of the site. 600m North West of the site another medieval record (IPS 901) refers to the site of a cross with the inscription "in the way for Russhme Halle onto Humbyrdowney". The wider search area contains further finds scatters of medieval pottery found during fieldwalking surveys, (RMA 017, RMA 019).

The post-medieval period is represented by a single monument (RMA 031) which refers to a 16th century open hall house which is now in use as a garage and store.

The wider search area contains four undated records. These refer to a single flint scrapper findspot (IPS 558), a sub rectangular enclosure identified through aerial photography (RMA 003), a ring ditch also identified through aerial photography (RMA 010) and a rectilinear ditched enclusre visiable as cropmarks on Rushmere Heath (RMA 028).

Given the above records, the site had a specific potential for medieval features and finds, on the basis of the proximity to the medieval church of St Andrew.



# 5.0 PROJECT AIMS

The SCCAS/CT briefs stated that the evaluation should aim to (Abraham, R. Brief, Section 4.2);

- Identify the date, approximate form and purpose of any archaeological deposit, together with its likely extent, localised depth and quality of preservation.
- Evaluate the likely impact of past land uses, and the possible presence of masking colluvial/alluvial deposits.
- Establish the potential for the survival of environmental evidence.
- Provide sufficient information to construct an archaeological conservation strategy, dealing with preservation, the recording of archaeological deposits, working practices, timetables and orders of cost.

Both the WSI, fieldwork and resulting report/archiving will be undertaken in accordance with the Requirements for Trenched Archaeological Evaluation 2017 (SCCAS/CT).

- Identify the date, approximate form and purpose of any archaeological deposit, together with its likely extent, localised depth and quality of preservation.
- Evaluate the likely impact of past land uses, and the possible presence of masking colluvial/alluvial deposits.
- Establish the potential for the survival of environmental evidence.
- Provide sufficient information to construct an archaeological conservation strategy, dealing with preservation, the recording of archaeological deposits, working practices, timetables and orders of cost.
- determine, the location, extent, date, character, condition, significance and quality of any surviving archaeological remains liable to be threatened by the proposed development.

The evaluation will be undertaken in accordance with the Chartered Institute for Archaeologists '*Standard and Guidance for Archaeological Field Evaluation'* (2014), and Gurney, D. '*Standards for Field Archaeology in the East of England*; East Anglian Archaeology Occasional Paper 14' (2003).

# 6.0 **PROJECT OBJECTIVES**

Research objectives for the project were in line with those laid out in *Research and Archaeology Revisited: a revised framework for the East of England,* East Anglian Archaeology Occasional Paper 24 (Medlycott, 2011).

The brief also states that the project will need to consider the following objectives:

- To provide for the absolute dating of critical contacts.
- To make the results of the investigation available through suitable reportage.



# 7.0 FIELDWORK METHODOLOGY

The fieldwork for the evaluation portion of the project was undertaken on the  $19^{\text{th}}$  of December 2017. The SCCAS/CT brief required the excavation of 60.00 meters of trial trenching in advance of the construction of the houses and associated works. The trenching is to cover 5% of the site area with the trenches targeting the proposed building foot prints. This comprised of three trenches, trench 1 measured 20.0m x 1.80m orientated north to south. Due to on site constraints, trenches 2 and 3 had to be shifted slightly.

A 360° mechanical excavator fitted with a toothless ditching bucket was used to machine down to the first archaeological horizon, thereafter all excavation work was undertaken by hand.

The archaeology was recorded using pro-forma record sheets, drawn plans and section drawings and appropriate photographs were also taken (Fig. 5 & 6).

# 8.0 DESCRIPTION OF RESULTS (Figs. 5 & 6)

The evaluation consisted of linear trial trenching to sample the proposed development area. Three trenches were cut, measuring 60.00m in total. Trenches two and three were shifted slightly due to onsite constraints. No features were encountered in the trial trenches, the description of the trenches are below:

# Trench 1

Trench 1 measured 20.00m x 1.80m, was orientated north west to south east, and was excavated to a maximum depth of 0.39m and contained no archaeological features.

# Trench 2

Trench 2 measured 20.00m x 1.80m, was orientated north west to south east, and was excavated to a maximum depth of 0.60m and contained no archaeological features

# Trench 3

Trench 3 measured 20.00m x 1.80m, was orientated east to west, and was excavated to a maximum depth of 0.46m and contained no archaeological features.

# 9.0 DEPOSIT MODEL (Fig. 5)

The deposit model was consistent across the site.



Garden soil layer **1000** was a dark brown black, firm, sandy silty clay with infrequent inclusions of sub-angular flint stones. This layer was at the top of the stratigraphic sequence in all sample sections. It was present to a maximum depth of 0.24m in sample section 2.

Beneath garden soil layer **1000** was subsoil layer **1001**, which consisted of a light grey brown, compacted sandy silt, with infrequent inclusions of sub-angular flint stones. This layer was present to a maximum depth of 0.51m in sample section 2.

The base of the stratigraphic sequence in all the trenches was natural geology **1002** which was a yellow grey, clayey sand with frequent sub-angular flint on its surface.

# **10 DISCUSSION AND CONCLUSION**

The archaeological background for the site suggested that there would be a specific potential for medieval features and finds, on the basis of the proximity to the medieval church of St Andrew.

Despite this, the archaeological evaluation encountered no archaeological features or finds. The uppermost layer of the stratographic sequence for the site was a garden soil layer, below this the trenching showed that the subsoil and natural geology had been heavily truncated by modern tree root intrusions, this was especially noticeable- in trenches 1 and 2.

# **11.0 ACKNOWLEDGEMENTS**

Britannia Archaeology Ltd would like to thank Sarah Pullin and Georgina Brotherton of Lawson Planning Partnership Ltd for commissioning and funding the works.

We would also like to thank Rachael Abraham of SCCAS/CT for her help and advice throughout.

The site was excavated by Dan McConnell and Matthew Baker of Britannia Archaeology Ltd.

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English Heritage PastScape <a href="https://www.pastscape.org.uk">www.pastscape.org.uk</a>

Archaeological Data Service (ADS) www.ads.ahds.ac.uk

English Heritage National List for England <u>www.english-heritage.org.uk/professional/protection/process/national-heritage-list-for-</u> <u>england</u>



# **APPENDIX 1 – DEPOSIT TABLES**

# Sample Section 1

Trench No	Orientation NW-SE		Height a	OD m	Shot No DP 1
Sample Section No	Location	/ End		Facing	SW Facing
Context No	Depth	Deposit	Descripti	ion	-
1000	0.00-0.16m	Garden S	oil Layer	<ul> <li>dark brown bla</li> </ul>	ick, loose, silty sandy.
1001	0.16 - 0.25m	Subsoil l	ayer – lig		compact, sandy silt with
1002	0.25m+			ey, compact, clay inclusions.	ey sand with frequent sub-

# Sample Section 2

Trench No	Orientation NW-SE		Height a	OD m	Shot No DP 3
Sample Section No 2	Location SI	E End		Facing	SW Facing
Context No	Depth	Deposi	Deposit Description		
1000	0.00-0.27m	Garden Soil Layer – dark brown black, loose, silty sandy.			
1001	0.27- 0.51m		Subsoil layer – light grey brown, compact, sandy silt with infrequent sub-angular flint stone inclusions.		
1003	0.51m+		-yellow gre flint stone	,, , , ,	ey sand with frequent sub-

#### Sample Section 3

Trench No	Orientation	Height a		OD	Shot No
3	NE-SW			m	DP 5
Sample Section No	Location			Facing	
3	NE End			NW Facing	
Context No	Depth	Deposit Description			
1000	0.00-0.16m	0.00-0.16m Garden Soil Layer – dark brown black, loose, silty sandy		ck, loose, silty sandy.	
1001	0.16- 0.50m	Subsoil layer - light grey brown, compact, sandy silt with			
		infreque	ent sub-ang	ular flint stone i	nclusions.
1003	0.50m+	Natural -yellow grey, compact, clayey sand with frequent sub-			
		angular	flint stone	inclusions.	



#### **APPENDIX 2 – OASIS FOR**

# 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: britanni1-284689

#### **Project details**

Project name	Land Adjacent to 155 The Street, Rushmere St Andrew, Suffolk
Short description of the project	On the 19th December 2017, Britannia Archaeology Ltd (BA) undertook an archaeological evaluation by means of trial trenching at Land Adjacent 155 The Street, Rushmere St Andrew, Suffolk prior to the construction of two dwellings (TL 690 776). The requirement for the evaluation consisted of linear trial trenching to sample the proposed development area. This took the form of three trenches, each measuring 20.00m x 1.80m. The archaeological background for the site suggested that there would be a specific potential for medieval features and finds, on the basis of the proximity to the medieval church of St Andrew. Despite this, the archaeological evaluation encountered no archaeological features or finds. The uppermost layer of the stratigraphic sequence for the site was a garden soil layer, below this the trenching showed that the subsoil and natural geology had been heavily truncated by modern tree root intrusions, this was especially noticeable- in trenches 1 and 2.
Project dates	Start: 19-12-2017 End: 19-12-2017
Previous/future work	No / Not known
Any associated project reference codes	RMA 038 - Sitecode
Type of project	Field evaluation
Site status	None
Current Land use	Cultivated Land 4 - Character Undetermined
Monument type	NONE None
Significant Finds	NONE None
Methods & techniques	"Sample Trenches"
Development type	Rural commercial
Prompt	National Planning Policy Framework - NPPF
Position in the planning process	After full determination (eg. As a condition)

#### **Project location**



Country	England
Site location	SUFFOLK SUFFOLK COASTAL RUSHMERE ST ANDREW Land Adjacent to 155 The Street, Rushmere St Andrew, Suffolk
Postcode	IP5 1DH
Study area	16 Hectares
Site coordinates	TM 619758 246014 51.857690099421 1.805080460255 51 51 27 N 001 48 18 E Point
Height OD / Depth	Min: Om Max: Om
Project creators	
Name of Organisation	Britannia Archaeology Ltd
Project brief originator	Local Authority Archaeologist and/or Planning Authority/advisory body
Project design originator	Dan McConnell
Project director/manager	Dan McConnell
Project supervisor	Matt Baker
Type of sponsor/funding body	developer
Name of sponsor/funding body	Lawson Planning Partnership Ltd
Project archives	
Physical Archive Exists?	No
Digital Archive recipient	Suffolk HER
Digital Archive ID	RMA 038
Digital Contents	"none"
Digital Media available	"Survey","Text"
Paper Archive recipient	Suffolk HER
Paper Archive ID	RMA 038
Paper Contents	"none"
Paper Media available	"Context sheet","Correspondence","Plan","Report","Section","Survey "

Entered by Martin Brook (martin@brit-arch.com) Entered on 4 January 2018



# APPENDIX 3 – APPROVED WRITTEN SCHEME OF INVESTIGATION

# **1.0 INTRODUCTION**

This Written Scheme of Investigation (WSI) has been prepared by Britannia Archaeology Ltd (BA) on behalf of Sarah Pullin (c/o Lawson Planning Partnership Ltd) as a condition of planning application reference DC/14/2473/OUT, in advance of the erection of 14 dwellings and associated works, and as a condition for the directly adjacent site (planning application reference DC/13/3784/FUL) in advance of the erection of 2 dwellings and associated works. Both sites will be evaluated in one single investigation due to their proximity.

This WSI presents a programme of archaeological investigation by means of archaeological trial trench evaluation to assess the nature and potential of the site, and to determine the need for any future site investigations at Land Adjacent to 155 The Street, Rushmere St Andrew (NGR TM 19758 46014). Two design briefs issued by Suffolk County Councils Archaeological Service (SCCAS/CT) (Abraham, R. dated 6<sup>th</sup> December 2016 for DC/14/2473/OUT and a separate one for DC/13/3784/FUL) requires a programme of linear trial trenching to adequately sample the threatened available area. This will entail excavation of 365.00m of trenching for application DC/14/2473/OUT: comprised of 11 30.00 x 1.80m trenches, a single 25.00 x 1.80m trench and a single trench measuring 10.00m x 1.80m. Application DC/13/3784/FUL will entail excavation of 60.00m of trenching: comprised of 3 20.00 x 1.80m trenches will be excavated using a 360° tracked, mechanical excavator fitted with a toothless ditching bucket.

Combining both sites, a total of 425.00m of 1.80m trenching will be excavated.

This WSI deals with only the evaluation phase of works. Further work may be required; this would be subject to a separate Brief/WSI.

# 2.0 SITE DESCRIPTION (Fig. 1)

The site is located in the south western bounds of the village of Rushmere St Andrew, Suffolk in a rectangular garden plot located south of The Street and north west of the Ipswich School Sports Centre. Directly to the sites south west are the north eastern outskirts of the city of Ipswich.

The bedrock geology is described as Red Crag Formation. This coarse grained sand is poorly sorted, cross bedded and shelly with frequent iron pan and formed during the Piacenzian to Thurnian Ages (BGS, 2017).

Superficial deposits at the site are described as Lowesoft Formation chalky till deposits. These chalky till deposits (with outwash sands and gravels) formed during the Anglian Stage of the middle Pleistocene glaciation, (BGS, 2017).



# 3.0 PLANNING POLICIES

The archaeological investigation is to be carried out on the recommendation of the local planning authority, following guidance laid down by the *National Planning and Policy Framework* (NPPF, DCLD 2012) which replaced *Planning Policy Statement 5: Planning for the Historic Environment* (PPS5, DCLG 2010) in March 2012. The relevant local development framework is the *Forest Heath Local Plan, (Policy 8.20, 1995)*.

# 3.1 National Planning Policy Framework (NPPF, DCLG March 2012)

The NPPF recognises that 'heritage assets' are an irreplaceable resource and planning authorities should conserve them in a manner appropriate to their significance when considering development. It requires developers to record and advance understanding of the significance of any heritage assets to be lost (wholly or in part) in a manner proportionate to their importance and the impact, and to make this evidence (and any archive generated) publicly accessible. The key areas for consideration are:

- The significance of the heritage asset and its setting in relation to the proposed development;
- The level of detail should be proportionate to the assets' importance and no more than is sufficient to understand the potential impact of the proposal on their significance;
- Significance (of the heritage asset) can be harmed or lost through alteration or destruction, or development within its setting. As heritage assets are irreplaceable, any harm or loss should require clear and convincing justification;
- Local planning authorities should not permit loss of the whole or part of a heritage asset without taking all reasonable steps to ensure the new development will proceed after the loss has occurred;
- Non-designated heritage assets of archaeological interest that are demonstrably of equivalent significance to scheduled monuments, should be considered subject to the policies for designated heritage assets.

# 3.2 Suffolk Coastal District Local Plan (2013)

The relevant section in the local plan states the following aims and objectives:

3.149 The importance of buildings and places is recognised as contributing to peoples' general quality of life. The district contains a rich historic legacy. Its historic market towns and villages together with their landscape settings, archaeology, individual buildings and groups of, and historic street patterns all add to the social and cultural history of the area.

3.150 In relation to the built environment, the designation of conservation areas, scheduled ancient monuments, historic parklands and the listing of buildings are all issues that can be addressed outside of the Local Plan process. The role of the Core Strategy in relation to these topics will be to provide general advice supporting their retention and enhancement whilst minimising



any significant adverse impacts upon them. Section 12 of the NPPF supports this aim and will be applied rigorously. More generally, decisions on development proposals affecting heritage assets will be informed as appropriate by Conservation Area Appraisals, information from the Historic Environment Record and Archaeological Assessments.

# 4.0 ARCHAEOLOGICAL BACKGROUND (Fig. 2 & 3)

The following archaeological background utilises the Suffolk Historic Environment Record (HER) (1km search centred on the site), Historic England PastScape (www.pastscape.org.uk), and the Archaeological Data Service (www.ads.ahds.ac.uk) (ADS) (Fig. 2 & 3). 21 monument entries, 11 events and 5 listed building entry were returned within the 1km search area. In addition, 1 confidential PAS monument record was returned.

The site is located on the south western extent of the village of Rushmere St Andrew, Suffolk and is approximately 3km east of the town of Ipswich.

The SHER search returned 8 entries dating to the prehistoric period. A single Paleolithic record (IPS 075) relates to an Acheulian hand-axe discovered during the excavation of a sewer trench. The closest record to the site, IPS 085 is located approximately 750m to the south west and relates to the discovery of two flint scrappers and flakes that have been dated to the Neolithic period. A Bronze Age record (RMA 002) located 700m to the south refers to bucket urns found on the commoners sandpit on the North West corner of Rushmere heath in the first half of the 20th century. The remainder of the prehistoric records refer find spots and find scatters which include a Pontin coin (IPS 235) a scatter of flint found during a fieldwalking survey (RMA 020) and further general scatters of flint found during fieldwalking (RMA Misc)

The Romano-British period marked a change for East Anglia as a whole, with Colchester (Camulodunum) becoming the capital of Roman Britain. The HER search returned 3 monument records dating to the Roman period, none of which are located on the site area. The closest record of Roman date (RMA 009) relates to a possible bronze Roman buckle found 150m to the south. Further records in the wider search area include a coin of Faustina (RMA 006) and a scatter of Roman pottery, (RMA 017).

A Roman ring was found on the land adjacent to the west boundary of the site (CAC 035) while Roman finds were discovered in a buried soil layer at an evaluation 50m north of the site (GSE 074). Excavations at Pakefield Middle and High Schools 600m to the north-east revealed Roman pottery (LWT 170). NMP cropmark data in the area within 500m of the site (Fig. 4) may represent Roman field systems. Most of the Roman records exist further afield on the periphery of the search radius or just outside it, such as an artefact scatter of pottery and coins 850m to the west of site (GSE 012) or the pottery, CBM and bronze and silver coins discovered on the coastline 950m to the south-east of the site (GSE 031) and GSE 037).

The medieval period is represented by 5 records within the 1km search area. This period also includes the most significant record relating to the site, The Church of St Andrew (RMA 016). The church has its origins in the mid-12th century however the church was almost entirely rebuilt in 1861. The church has a plaintile roof and also includes two major modern extensions. The church is only located 50m to the North West of the site. 600m North West of the site another medieval record (IPS 901) refers to the site of a cross with



the inscription "in the way for Russhme Halle onto Humbyrdowney". The wider search area contains further finds scatters of medieval pottery found during fieldwalking surveys, (RMA 017, RMA 019).

The post-medieval period is represented by a single monument (RMA 031) which refers to a 16th century open hall house which is now in use as a garage and store.

The wider search area contains four undated records. These refer to a single flint scrapper findspot (IPS 558), a sub rectangular enclosure identified through aerial photography (RMA 003), a ring ditch also identified through aerial photography (RMA 010) and a rectilinear ditched enclusre visiable as cropmarks on Rushmere Heath (RMA 028).

Given the above records, the site has a specific potential for medieval features and finds, on the basis of the proximity to the medieval church of St Andrew.

# 5.0 PROJECT AIMS

The SCCAS/CT briefs states that the evaluation should aim to (Abraham, R. Brief, Section 4.2). Both the WSI, fieldwork and resulting report/archiving will be undertaken in accordance with the Requirements for Trenched Archaeological Evaluation 2017 (SCCAS/CT).

- Identify the date, approximate form and purpose of any archaeological deposit, together with its likely extent, localised depth and quality of preservation.
- Evaluate the likely impact of past land uses, and the possible presence of masking colluvial/alluvial deposits.
- Establish the potential for the survival of environmental evidence.
- Provide sufficient information to construct an archaeological conservation strategy, dealing with preservation, the recording of archaeological deposits, working practices, timetables and orders of cost.
- determine, the location, extent, date, character, condition, significance and quality
  of any surviving archaeological remains liable to be threatened by the proposed
  development.

The evaluation will be undertaken in accordance with the Chartered Institute for Archaeologists '*Standard and Guidance for Archaeological Field Evaluation'* (2014), and Gurney, D. '*Standards for Field Archaeology in the East of England*; East Anglian Archaeology Occasional Paper 14' (2003).

# 6.0 **PROJECT OBJECTIVES**

Research objectives for the project are in line with those laid out in *Research and Archaeology Revisited: a revised framework for the East of England,* East Anglian Archaeology Occasional Paper 24 (Medlycott, 2011).

The brief also states that the project will need to consider the following objectives:

- To provide for the absolute dating of critical contacts.
- To make the results of the investigation available through suitable reportage.



# 7.0 FIELDWORK METHODOLOGY

The SCCAS/CT brief requires the excavation of 425.00 meters of trial trenching in advance of the construction of 14+2 dwellings and associated works. The trenching is to cover 5% of the site area with the trench arranged to cover the new development footprint. This will comprise 11 30.00 x 1.80m trenches, a single 25.00 x 1.80m trench, a single trench measuring 10.00m x 1.80m, and 3 20.00m x 1.80m trenches.

A 360° mechanical excavator fitted with a toothless ditching bucket will be used to machine down to the first archaeological horizon, thereafter all excavation work will be undertaken by hand (Fig. 4).

The archaeology will be recorded using pro-forma record sheets, drawn plans and section drawings and appropriate photographs will also be taken.

In the event that important archaeological remains are identified, a site meeting will be held with the client and the SCCAS/CT planning archaeologist to discuss the significance of the remains and decide on the scope of further excavation and recording. **The client is aware of the need for contingency funding to cover additional works if necessary.** 

# 7.1 Site Plans

A site location plan based on the current Ordnance Survey 1:25000 map and indicating site north will be prepared. This will be supplemented by a site plan showing the area of investigation in relation to the proposed development.

A pre-excavation base plan accurately plotting all features will be produced using a Total Station (TS) or Real Time Kinetic Global Positioning System (RTK). The final post-excavation plan will be based on this. All drawings will be tied into the Ordnance Survey National Grid.

# 7.2 Mechanical Excavation

The location of electricity, gas, water, sewage and telephone services will be identified from information supplied by the client or relevant authorities prior to machining. Care will be taken when operating machinery in the vicinity of overhead services. All staff are trained in the use of CAT scanners that will be employed before the bucket breaks the ground.

Topsoil and any sterile subsoil layers shall be removed by mechanical excavator using a toothless ditching bucket under the supervision of a professional archaeologist. The exposed archaeological horizon will be cleaned by hand and any archaeological deposits or negative features planned.



No excavators or dumpers will be driven over the excavated surface. Topsoil and subsoil will be stored separately to aid the reinstatement of agricultural land.

The machine operator will have the relevant experience and appropriate documentation; will maintain the appropriate inspection register, Form F91 Part 1, Section C, either on the machine or at the depot. The operator must produce a clean, flat surface at precisely the correct level.

# 7.3 Hand Excavation

All archaeological features will excavated by hand, in the appropriate way detailed below, where it is safe to do so.

# 7.4 Metal Detector

A professional metal detector will be used to scan spoil heaps, exposed surfaces and any features and prior to excavation of trenching, any areas to be trenched. The finds will be recovered and recorded in the proper way (including GPS). The machined spoil heaps will also be scanned, however demonstrably modern finds will not be retained if deemed not pertinent to associated phasing on the site. The metal detector will not be set to discriminate against iron.

#### 7.5 Excavation of Stratified Sequences

All archaeological remains will be excavated by phase, from the most recent to the earliest. The phasing of the features will be distinguished by their stratigraphic relationships, fills and finds.

# 7.6 Excavation of Buildings

Following assessment of any structural remains encountered, a strategy for recording these will be implemented, and it may be that further mitigation will be required to allow the full recording of these remains. It may also be the case that any remains may best be left *in situ*. Any excavated building structures and associated features (e.g. stakeholes, postholes, sill-beams, gullies, masonry walls and possible floors) will be excavated in stratigraphic sequence.

# 7.7 Ditches

Ditch segments will be positioned to provide a total coverage of 25% and to ascertain relationship information and will be a minimum of 1.00m in length (dependent on the total length of ditch visible).

# 7.8 Discrete Features

All discrete features will be half-sectioned or excavated in quadrants providing for a minimum 50% sample.



# 7.9 Full Excavation

Industrial remains and intrinsically interesting features e.g. hearths, kilns etc. may merit full excavation in agreement with the SCCAS/CT planning archaeologist.

# 7.10 Burials

Any articulated human remains shall receive minimal excavation to define the extent and quality of their preservation. A decision will then be made on their future treatment in consultation with the client and the SCCAS/CT planning archaeologist. The coroner and the Ministry of Justice will be informed. Any removal of human remains will be carried out under a licence issued by the Ministry of Justice under section 25 of the Burials Act 1857 and in accordance with *Guidance for best practice for treatment of human remains excavated from Christian burial grounds in England*' (English Heritage & the Church of England 2005).

# 7.11 Written Record

All archaeological deposits and artefacts encountered will be fully recorded on *pro forma* context, finds and sample forms, using a single context recording system.

# 7.12 Photographic Record

All features will be photographed as appropriate. This record will comprise high quality digital photographs (jpg/CR2). Where appropriate black and white prints (35mm) and colour slides (35mm) will be utilised. All photographs will be listed, indexed and archived.

# 7.13 Drawn Record

All drawings will be tied into the Ordnance Survey National Grid, plans will be initially hand drawn at a scale of 1:20 and the sections at 1:10 on drafting film (permatrace). The height AOD of all features and principal strata will be written on the appropriate plans and sections.

# 7.14 Finds and Environmental Remains

All finds recovered from sealed contexts will be retained. A sample of those found in the topsoil and subsoil will be taken to characterise the assemblage. Finds will be identified, by a unique site code and context number.

All finds will be processed according to BA standards and to the CIfA Standard and Guidance for the collection, documentation, conservation and research of archaeological



*materials, 2014*. Important, rare or unusual finds will also be assigned a small finds number and sent away for specialist analysis.

Bulk samples will also be taken for retrieving artefacts and biological remains (for palaeoenvironmental and palaeoeconomic investigations) to be processed and analysed by the University of Leicester Archaeology Service, (ULAS). These samples will be taken from well-stratified datable deposits and specifically targeted areas of interest (e.g. undated sealed primary ditch fills) and will be a minimum of 40 litres where appropriate. The suitability of deposits for analysis will be discussed with CBC, Dr Boreham and Dr Mark Ruddy where appropriate.

Preserved wood will be sampled for potential dating via dendrochronology and Carbon 14 methods and will be assessed by Dr Roderick Bale (University of Wales Trinity St David). Prior to recovering timbers, suitability for dating will be assessed in conjunction with Dr Bale, CBC, Dr Mike Bamforth and Dr Mark Ruddy where appropriate.

Each deposit retained will be identified by context and a unique sample or timber number. For a full list of specialists see Appendix 2.

# 7.15 Artefact Recovery

A programme of bucket sampling will be conducted, whereby 90 litres of spoil will hand sorted for each soil horizon encountered. Bucket sampling points will occur at each end of trench. Unstratified artefacts will be sought and recovered from trench spoil heaps.

# 7.16 Finds classed as Treasure

It is the responsibility of the project manager for the site, after consultation with the relevant finds specialist, to submit any items falling under the provisions of the Act to the local coroner via the treasure co-ordinator (currently the Finds Liaison Officer for Suffolk), who in turn will inform the coroner within 14 days.

# 8.0 PRESENTATION OF RESULTS

A report will be prepared on the conclusion of the evaluation and will be completed 4 weeks after the field work ends (no further work required) or a maximum of 6 months from the end of fieldwork (further fieldwork is required). Resourcing of the post-excavation phase is dependent on findings. Although unlikely, if publication is required a detailed publication programme will be provided within 4 weeks of completion of fieldwork, and a publication report will be programmed for completion within 6 months. The prepared client/archive report will be commensurate with the results of the fieldwork, and will be consistent with the principles of *Management of Research Projects in the Historic Environment (MoRPHE)* (*Historic England 2015*) and contain the following:

• *Summary.* A concise summary of the work undertaken and the results;



- *Introduction*. Introduction to the project including the reasons for work, funding, planning background;
- *Background*. The history, layout and development of the site;
- Aims and Objectives;
- *Methodology*. Strategy and technique for site excavation;
- *Results*. Detailed description of findings outlining the nature, location, extent, date of any archaeological material;
- *Deposit Model.* Description of events behind the archaeological stratigraphy and geological deposition;
- *Specialist Reports.* Description of the artefactual and ecofactual remains recovered;
- *Discussion and Conclusions.* A synopsis interpreting the archaeological deposits and artefacts, including details of preservation, impact assessment, wider survival, condition and relative importance of the site and its component parts in local, regional and national context;
- Bibliography;
- *Appendices.* Context Descriptions, Finds Concordance, Project Archive Contents and Archive Deposition, HER/OASIS Summary Sheet;
- Illustrative material including maps, plans, drawings and photographs.

A digital report copy will be submitted for review to SCCAS/CT. On acceptance of the report, digital and paper report copies will be supplied to the client and SCCAS/CT (one copy and a .pdf copy on CD). An OASIS entry will be completed and a summary included with the report. A .pdf file of the report will be uploaded to the ADS. A digital vector plan will included with the report, which will be compatible with MapInfo GIS software which will also be made available on request subsequent to the report being issued.

It is understood that, if substantial archaeological remains are recorded during the project, it will be necessary to undertake a full programme of analysis and publication in accordance with the guidelines of *MoRPHE*. The project report will contain recommendations as to whether this will be appropriate. Provision has been made for a summary publication within the annual Proceedings of the Suffolk Archaeology and History should the evaluation prove positive.

# 9.0 **PROJECT ARCHIVE AND DEPOSITION**



A full archive will be prepared for all work undertaken in accordance with guidance from the *Selection, Retention and Dispersion of Archaeological Collections,* Archaeological Society for Museum Archaeologists, 1993. Deposition will be with Suffolk County Council Archaeological Archives in accordance with the *Archives in Suffolk: Guidelines for Preparation and Deposition* (2017).

Any items requiring treatment will be conserved. Arrangements will be made for the archive to be deposited with the relevant museum, subject to agreement with the legal landowner where finds are concerned.

The archive will be quantified, ordered, indexed, cross-referenced and checked for internal consistency. The material will be catalogued, labelled and packaged for transfer and storage in accordance with the guidelines set out in the United Kingdom Institute for Conservation's *Conservation Guidelines No.2* and the Archaeological Archives Forum's *Archaeological Archives, A guide to best practice, compilation, transfer and curation* (Brown, 2007).

# **10.0 HEALTH AND SAFETY**

BA operates a comprehensive Health and Safety Policy in accordance with the Health and Safety Executive. BA bases their H&S procedures on the Federation of Archaeological Managers and Employers (FAME) Health and Safety Field Manual, which is regularly updated by supplements.

BA holds employer's liability; public liability and professional indemnity insurance arranged through Towergate Insurance (see Appendix 3).

# 10.1 Code of Practice, Risk Assessment and Site Induction

BA's Code of Practice covers all aspects of excavation work and ensures all risks are adequately controlled. A site visit has been undertaken and an assessment of the potential risks has been highlighted. A full site risk assessment will be produced using this information. The assessment of risk is an on-going process and this document can be updated if any change in risk occurs on site. A copy of the Risk Assessment is kept on site, read and countersigned by all staff and visitors during the BA site induction.

# 11.0 RESOURCES

The archaeological works are undertaken by a team of professional archaeologists, qualified to undertake this type of work (Appendix 1). Full CV's are available on request.

All site work will be undertaken by a Projects Officer (with a field team if required) in close communication with a Project Manager. This project officer will also be responsible for post-excavation and publication in liaison with the relevant specialists (Appendix 2).



Other specialists may be consulted and will be made known to the SCCAS/CT planning archaeologist for approval prior to their engagement. Any changes to the specialists documented in Appendix 2 will be made known to the SCCAS/CT immediately.

# **12.0 TIMETABLE AND PROGRAMME OF WORK**

The evaluation fieldwork is potentially likely to begin in June/July 2017 pending approval of this written scheme of investigation by SCCAS/CT. Two members of staff will be on site to undertake the evaluation. Provision has been made for additional contingency days should any unexpected remains be encountered.

The client is aware of the working methods and provision has been made to allow access to undertake trenching as required by the design brief.

The production of the report will take either a maximum of 4 weeks from the end of fieldwork (no further fieldwork required) or a maximum of 6 months from the end of fieldwork (further fieldwork is required). Resourcing of the post-excavation phase is dependent on findings. Where further publication is required a detailed publication programme will be provided within 4 weeks of completion of fieldwork, and a publication report will be programmed for completion within 6 months.

# **13.0 MONITORING**

SCCAS/CT will be responsible for monitoring progress and standards throughout the project. Any variations to the specification will be agreed with the SCCAS/CT monitoring officer prior to work being carried out. The monitoring officer will be kept informed of progress throughout the project. Backfilling will not occur without SCCAS/CT approval.



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English Heritage PastScape <a href="https://www.pastscape.org.uk">www.pastscape.org.uk</a>

Archaeological Data Service (ADS) www.ads.ahds.ac.uk



# English Heritage National List for England <u>www.english-heritage.org.uk/professional/protection/process/national-heritage-list-for-</u> <u>england</u>

DEFRA Magic <a href="http://magic.defra.gov.uk/website/magic">http://magic.defra.gov.uk/website/magic</a>

Historic England National List for England

https://www.historicengland.org.uk/listing/the-list

DEFRA Magic <a href="http://magic.defra.gov.uk/website/magic">http://magic.defra.gov.uk/website/magic</a>











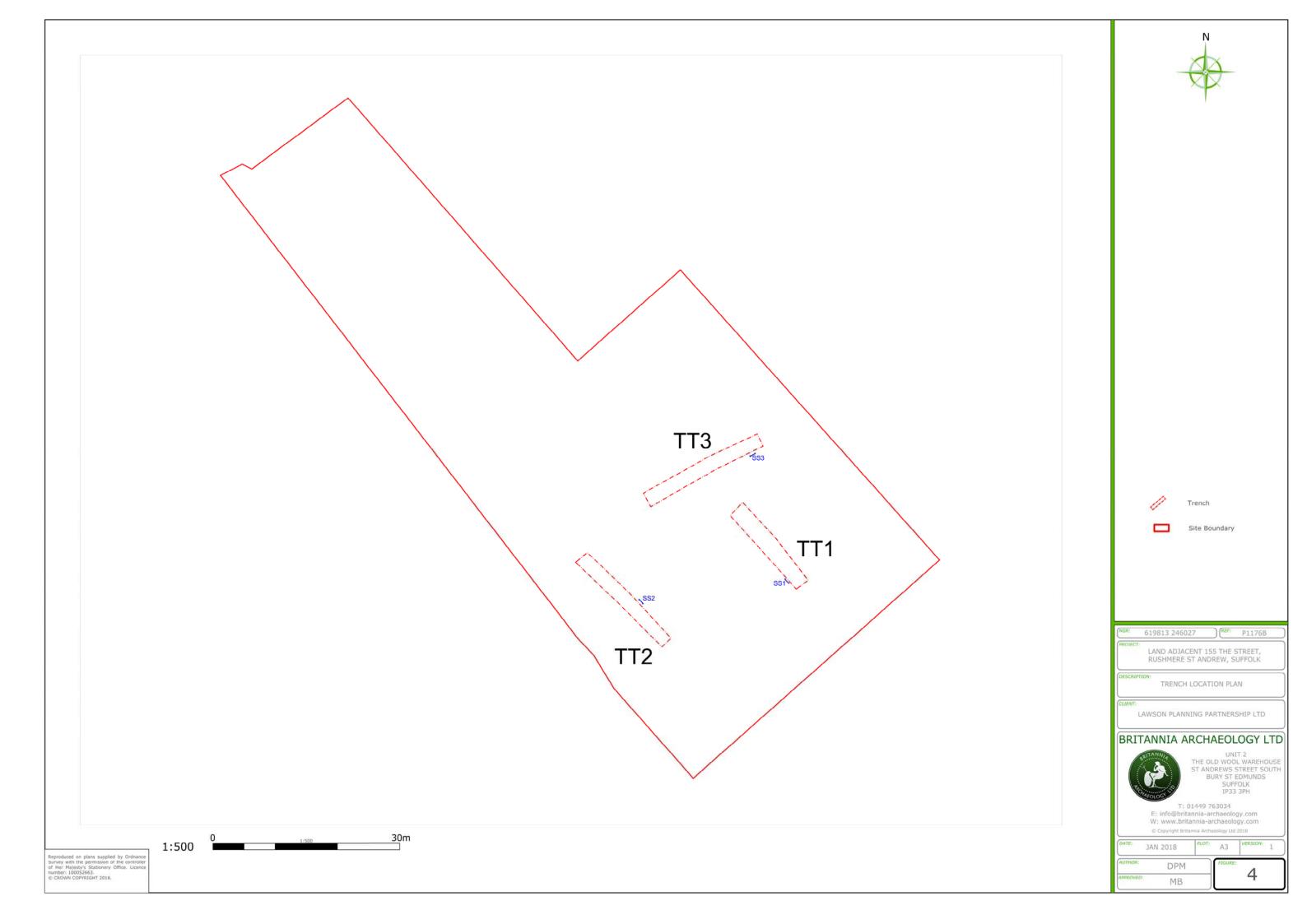
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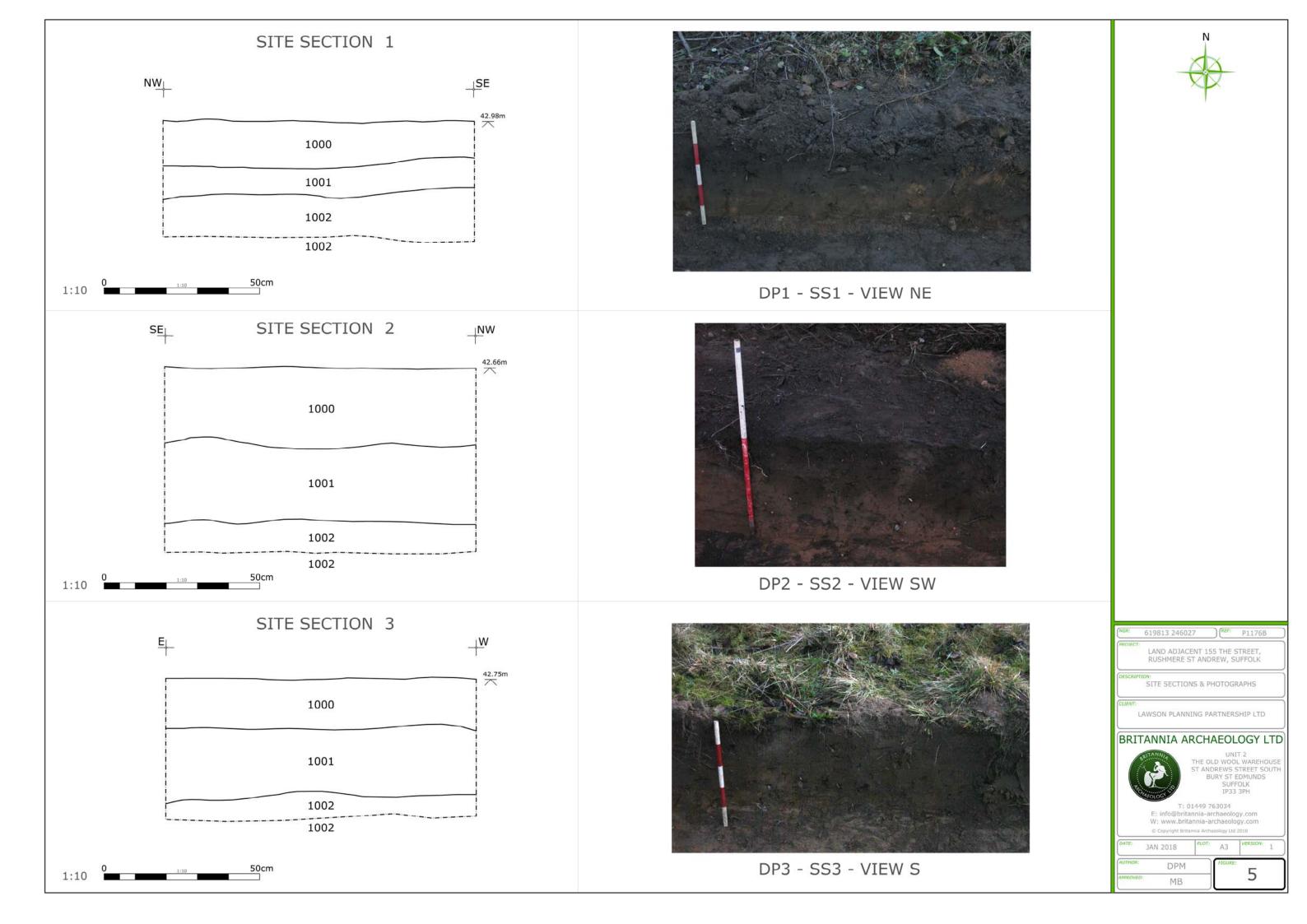
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