

# CFA Archaeology Ltd

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*Interpretation, Design & Display*

**Land at Hadrians Stud  
Kirkandrews-on-Eden  
Carlisle  
Cumbria**

**Archaeological Watching Brief  
Report No. Y133/14**

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Commissioned by	Lloyd Limited and Lloyd Motors Ltd
Date issued	January 2014
Version	1.0
Planning Ref.	12/0879
OASIS Ref.	cfaarcha1-186290
Grid Ref	335505 558238

This document has been prepared in accordance with CFA Archaeology Ltd standard procedures.

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## **CONTENTS**

1. INTRODUCTION.....	3
2. WORKING METHODS.....	4
3. RESULTS.....	5
4. CONCLUSION .....	6
5. BIBLIOGRAPHY .....	7

## **APPENDICES**

1. Context Register
2. Photographic Register
3. Drawing Register

## **FIGURES**

- Fig. 1 Site location and trench plan  
Fig. 2 Plans and sections

## **PLATES**

- Plate 1: General site shot taken after topsoil strip, south facing shot  
Plate 2: Site after excavation of foundation trenches, south-west facing shot  
Plate 3: South-east facing section of Ditch 105  
Plate 4: West facing section of stratigraphy of proposed garage area  
Plate 5: East facing section of service trench within property area  
Plate 6: Service trench within existing road, looking south-east

## Summary

An archaeological watching brief was undertaken by CFA Archaeology Ltd on land at Hadrians Stud, Kirkandrews-on-Eden, Carlisle, Cumbria during January, April, and July 2014. A topsoil strip, service trenches, and foundation trenches for a new building were monitored. Other than a single shallow likely field boundary ditch there were no archaeological remains recorded and there no finds recovered.

### 1. INTRODUCTION

#### 1.1 General

This report presents the results of an archaeological watching brief undertaken by CFA Archaeology Ltd (CFA) from 13-15 January, 15 April 2014, 12 May and the 12 and 13 July 2014 at the site of a proposed residential dwelling (single house and detached garage) at Hadrian's Stud, Kirkandrews-on-Eden (Kirkandrews), Cumbria (NGR: 335505 558238, Fig.1). The work was commissioned by Lloyd Limited and Lloyd Motors Ltd in order to fulfil the terms of archaeological conditions on planning (ref. 12/0879) and scheduled monument consent (ref. S00079378)

A Written Scheme of Investigation (WSI) was produced by CFA on behalf of Lloyd Limited and Lloyd Motors Ltd and agreed with the Cumbria County Council Historic Environment Service (CCCHES) prior to work commencing.

#### 1.2 Site Location and Description

The proposed development area is located in the village of Kirkandrews-on-Eden, Carlisle, Cumbria (Fig. 1, NGR: 35505 558238). The site was bound to the east, west and south by open fields, and to the north by Burgh road and existing residential properties.

The site at the time of groundworks consisted of a stone yard surface and grassland and sloped from 16.35m above the Ordnance Datum (AOD) in the north to 15.26m in the south. Prior to the development, the site consists of a hardcore surfaced access road and yard.

The underlying solid geology is 'Mercia Mudstone', consisting of mudstone and siltstone. The superficial geology consists of River Terrace Deposits, sand and gravel (BGS 2014).

#### 1.3 Previous Archaeological and Historical Background

Kirkandrews lies on the route of Hadrian's Wall, but the village itself appears to have medieval origins. Originally part of the Barony of Burgh, it was granted to the Baron of Levington, but had been annexed back to the Barony of Burgh by c. 1600. The medieval church of St Andrews appears to have survived until at least 1687, but by 1692 the parish was served by Beaumont Church. Currently, the village contains a number of 18th-century buildings, reflecting the post-medieval development of the area.

The site is adjacent to the southern edge of the scheduled area of Hadrian's Wall and Vallum (ref. SM 26114), with some utilities passing into the scheduled area. Consequently, this site was considered to be of high potential in relation to archaeological remains dating to the Roman period.

An evaluation of the site took place in 2013 (CFA 2013) during which a small trench was excavated to assess potential for any surviving archaeology. During this evaluation a number of shallow linear features interpreted as former field boundaries and evidence of farming practices were recorded.

#### **1.4 Aims**

The aims of the watching brief were to:

- determine the form and function of any archaeological features encountered,
- determine the spatial arrangement of any archaeological features encountered,
- as far as practicable, recover dating evidence from the archaeological features, and;
- establish the sequence of any archaeological remains present on the site

## **2. WORKING METHODS**

### **2.1 General**

All work was undertaken according to the Institute for Archaeologists' Code of Conduct, and relevant Standards and Guidance documents (IfA 1996), and the terms of the specification.

All excavation and on-site recording was carried out according to standard CFA procedures, principally by drawing, photography and by completing standard CFA record forms.

The excavation of the foundation trenches and the strip of the topsoil from the site area were carried out using a mechanical excavator equipped with a smooth-bladed bucket under constant archaeological supervision. Prior to the removal of topsoil and the underlying deposits, the area was cleared of any vegetation. All further excavation required was carried out by hand. Spoil resulting from the trenching and the surrounding area was regularly scanned for finds. The service trenches were excavated using a hydraulic breaker to remove the existing tarmac road surface, then subsequent excavation with a toothless ditching bucket.

The foundations for a new building were excavated with the position and stratigraphy of these trenches fully recorded (Fig. 2).

### **2.2 Standards and Guidance**

CFA Archaeology is a registered organisation (RO) with the Institute for Archaeologists (IfA). All work was conducted in accordance with relevant IfA Standards and Guidance documents (IfA 1996), English Heritage guidance (EH, 2005, 2006, 2008, and 2011), and CFA's standard methodology.

### **2.3 Archiving**

The project archive, comprising all CFA records will be ordered according to nationally recognised standards (IfA 2001 and Brown 2011) and deposited with the appropriate museum within an agreed timescale. A summary of the results of archaeological works will be submitted for inclusion in OASIS.

### **2.4 Monitoring**

The work on site was monitored by Jeremy Parsons, Historic Environment Officer for Cumbria County Council and English Heritage who were consulted before the commencement of the site works.

## **3. RESULTS**

The natural substrate for the site consisted of a mixture of yellow, orange, and pink clay (102). Sealing this was a layer of mid brown silty clay (101) 0.10-0.15m in depth which was overlain by dark brown topsoil 0.4-0.5m in depth (100).

Prior to the excavation of foundation trenches the site area was stripped of all topsoil and subsoil down to the natural substrate to provide a firm working area (Plate 1). No archaeological features were visible during this strip, with only a number of modern land drains related to a previously existing caravan and the existing equestrian building noted during this process.

Foundation trenches were then excavated for the new buildings on the site (Fig. 2), with the majority of these having a depth of 0.5m (Plate 2).

To the north of the foundations area a shallow, roughly north-west to south-east orientated ditch (Plate 3, 105) was excavated. This ditch measured 1.15m in width by 0.15m in depth and was filled by dark brown silty clay (104). No finds were recovered from this feature. The alignment of the feature is similar to those of the shallow ditches recorded during the previous evaluation of the site, and it is likely this feature is contemporary with these, and as such represents evidence of earlier farming practices.

The area of the new a garage was disturbed by a modern water pipe running through it. Here the topsoil had been sealed by a layer of stone hardcore (103) that formed the existing yard surface for the equestrian centre (Plate 4). No archaeological remains were recorded in this area.

A service trench was dug for a number of pipes from the proposed new building towards the current road location (figs 1 and 2). This trench was 1m in width and was dug to a depth of 1m below the current ground surface (Plate 5).

Towards the south of the trench the ground had been heavily truncated by recent building work and the inclusion of two modern service pipes (water and sewage) that fed the previous buildings in the area.

The northern extent of the service trench crossed into the boundary of the scheduled monument of Hadrian's Wall and sloped towards the current road. Towards the northern end of the trench the depth increased to 1.8m. Here there was evidence for modern dumping of redeposited natural material and gravel hardcore in order to form a level platform, with the earlier topsoil and subsoil sealed below. No archaeological features were identified below this sealed subsoil layer.

The service trenches within the existing road were dug to a depth of c.0.4m and were targeted on existing services in the area (Fig. 1 and Plate 6). These areas had been truncated by the installation of the original gas and electricity pipelines, and no archaeological features were recorded in these areas.

#### **4. CONCLUSION**

The watching brief successfully monitored the stripping of the site and the subsequent excavation of the foundation and service trenches for the new buildings in the area. With the exception of the continuation of the field boundary identified during previous work on the site, no pre-modern archaeological features were exposed during these excavations. No evidence for the construction of the vallum was noted with only modern landscaping having taken place within the site area.

## 5. BIBLIOGRAPHY

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### **Online Resources**

BGS, 2014. <http://www.bgs.ac.uk> (Accessed 14 April 2014)



## APPENDICES

## Appendix 1: Context Register

Context	Area	Fill of	Type	Description
100	All		Layer	Topsoil for area of site. Consisted of dark brown silty clay. Measured c.0.25m in depth.
101	All		Layer	Subsoil layer for area of site. Consisted of mid-brown silty clay. Measured c.0.15m in depth.
102	All		Layer	Natural substrate for site area. Consisted of a mixture of orange, yellow and pink clays with some stone inclusions.
103	All		Layer	Gravel stone hardcore layer forming compacted road/yard surface. Consisted of roughly sub-angular stones in a compact layer measuring 0.3m in depth.
104	All	105	Fill	Dark brown silty clay fill of ditch 105. Measured 0.15m in depth. No finds recovered.
105	All		Cut	Cut for a north-west to south-east orientated ditch. Consisted of shallow sloping sides with a rough u-shaped profile. No finds recovered and likely represents former field boundary.
106	All		Layer	Layer of black silty clay and ash, numerous modern inclusions throughout (bricks, stone etc). Likely remnants from construction of existing stable blocks.

## Appendix 2: Photographic Register

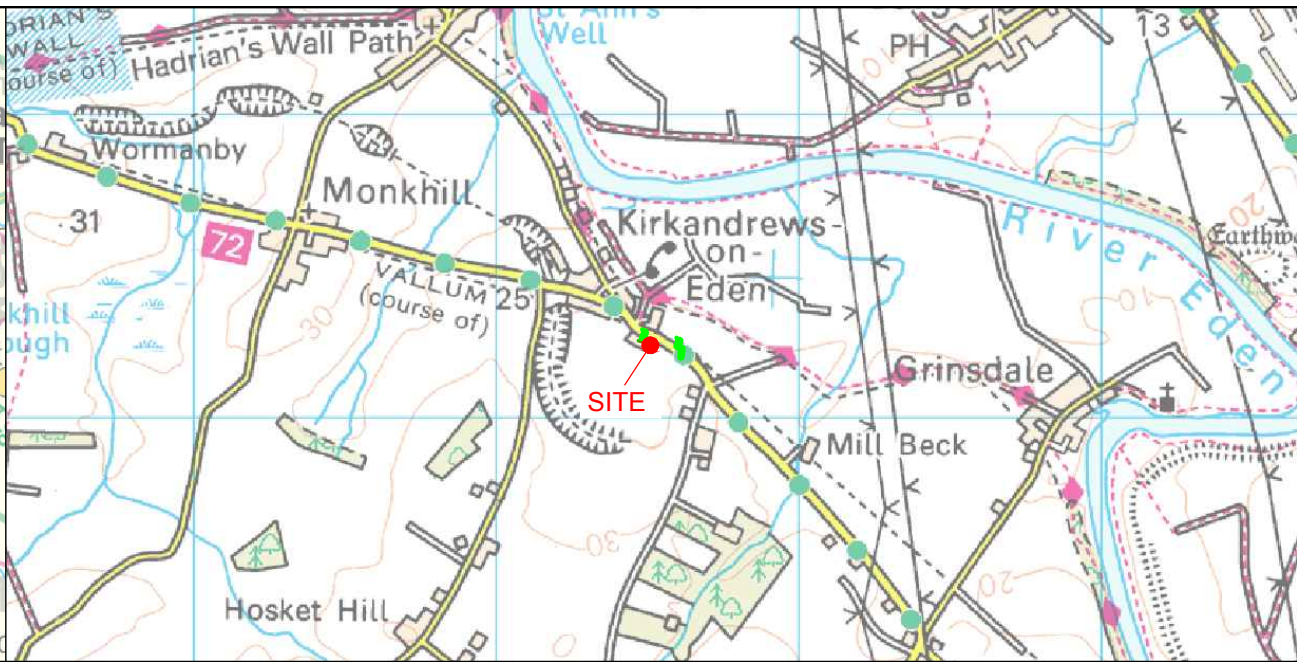
Number	Contexts/description	Facing	Conditions
1	General site shot after topsoil strip	South	Sunny
2	General site shot after topsoil strip	West	Sunny
3	General site shot	East	Sunny
4	General site shot	East	Sunny
5	General site shot after topsoil strip	East	Sunny
6	General site shot after topsoil strip	North	Sunny
7	General site shot after topsoil strip	South-west	Overcast
8	General site shot after topsoil strip	South-west	Overcast
9	General site shot after topsoil strip	South-west	Overcast
10	Shot of foundation trenches after excavation	North-east	Overcast
11	Shot of foundation trenches after excavation	East	Overcast
12	Shot of foundation trenches after excavation	North	Overcast
13	Shot of foundation trenches after excavation	West	Overcast
14	Shot of foundation trenches after excavation	East	Overcast
15	Shot of foundation trenches after excavation	South	Overcast
16	Shot of foundation trenches after excavation	South-east	Overcast
17	Shot of foundation trenches after excavation	East	Overcast
18	Shot of foundation trenches after excavation	North-east	Overcast
19	Shot of foundation trenches after excavation	East	Overcast
20	Shot of foundation trenches after excavation	West	Overcast
21	Shot of site post foundation trench excavation	South-west	Overcast
22	Shot of site post foundation trench excavation	North-west	Overcast
23	Section showing stratigraphy in proposed garage area	East	Overcast
24	Section showing stratigraphy in proposed garage area	South-east	Overcast
25	Section showing stratigraphy in proposed garage area and modern water pipe to the east.	South-east	Overcast

Number	Contexts/description	Facing	Conditions
26	General shot of area of proposed garage	South	Overcast
27	Plan shot of Ditch 105	North-west	Overcast
28	Shot of area of proposed garage and Ditch 105	North	Overcast
29	South-east facing section of Ditch 105	North-west	Overcast
30	East facing section of pipe trench	West	Sunny
31	East facing section of pipe trench, oblique shot	North-west	Sunny
32	East facing section of pipe trench, oblique shot	South-west	Sunny
33	Pipe trench shot to corner of existing stable	South	Sunny
34	Pipe trench towards road junction	North	Sunny
35	East facing section of pipe trench sample section	West	Sunny
36	East facing section of pipe trench sample section	West	Sunny
37	Corner of pipe trench, east facing section	South-west	Sunny
38	Pipe trench shot from the north	South	Sunny
39	Pipe trench shot from the south	North	Sunny
40	Exposed electricity pipe within service trench	North-east	Sunny
41	Service Trench within existing road	South-east	Sunny
42	Exposed electricity pipe within service trench	North-east	Sunny
43	Exposed electricity pipe within service trench, oblique	North	Sunny
44	Service Trench within existing road	South-east	Sunny
45	Service Trench within existing road	North-west	Sunny
46	Electricity cable within service trench	North	Sunny
47	Service Trench within existing road	South-east	Sunny
48	Service trench within existing road, electricity branch	North-west	Sunny
49	Service trench within existing road, electricity branch	North-west	Sunny
50	Service trench within existing road, gas branch	South-east	Sunny
51	Service trench within existing road, gas branch	North-east	Sunny
52	Shot of location of service trenches within existing road	North-west	Sunny

### Appendix 3: Drawing Register

Number	Sheet No.	Scale	Plan / Section	Description/contexts
1	1	1:20	Section	Sketch section of stratigraphy of proposed garage area
2	1	1:50	Plan	Plan of foundation trenches for proposed building
3	1	1:20	Section	South-east facing section of Ditch 105
4	1	1:20	Plan	Plan of Ditch 105
5	2	1:20	Section	East facing sample section of service trench
6	2	1:100	Plan	Plan of site area including Ditch 105

**Figures 1-2**



Key:  
— Service trenches monitored during watching brief

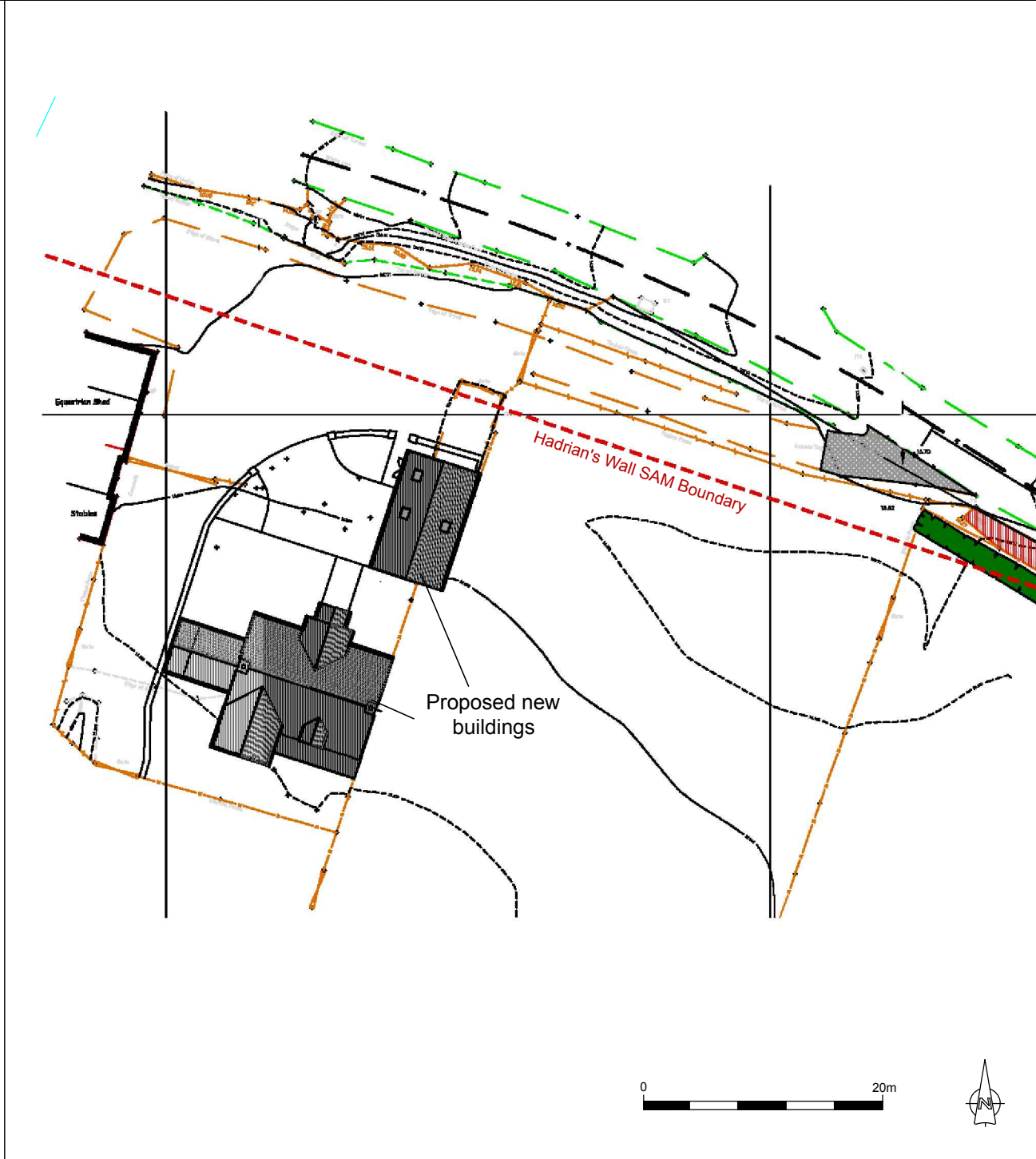
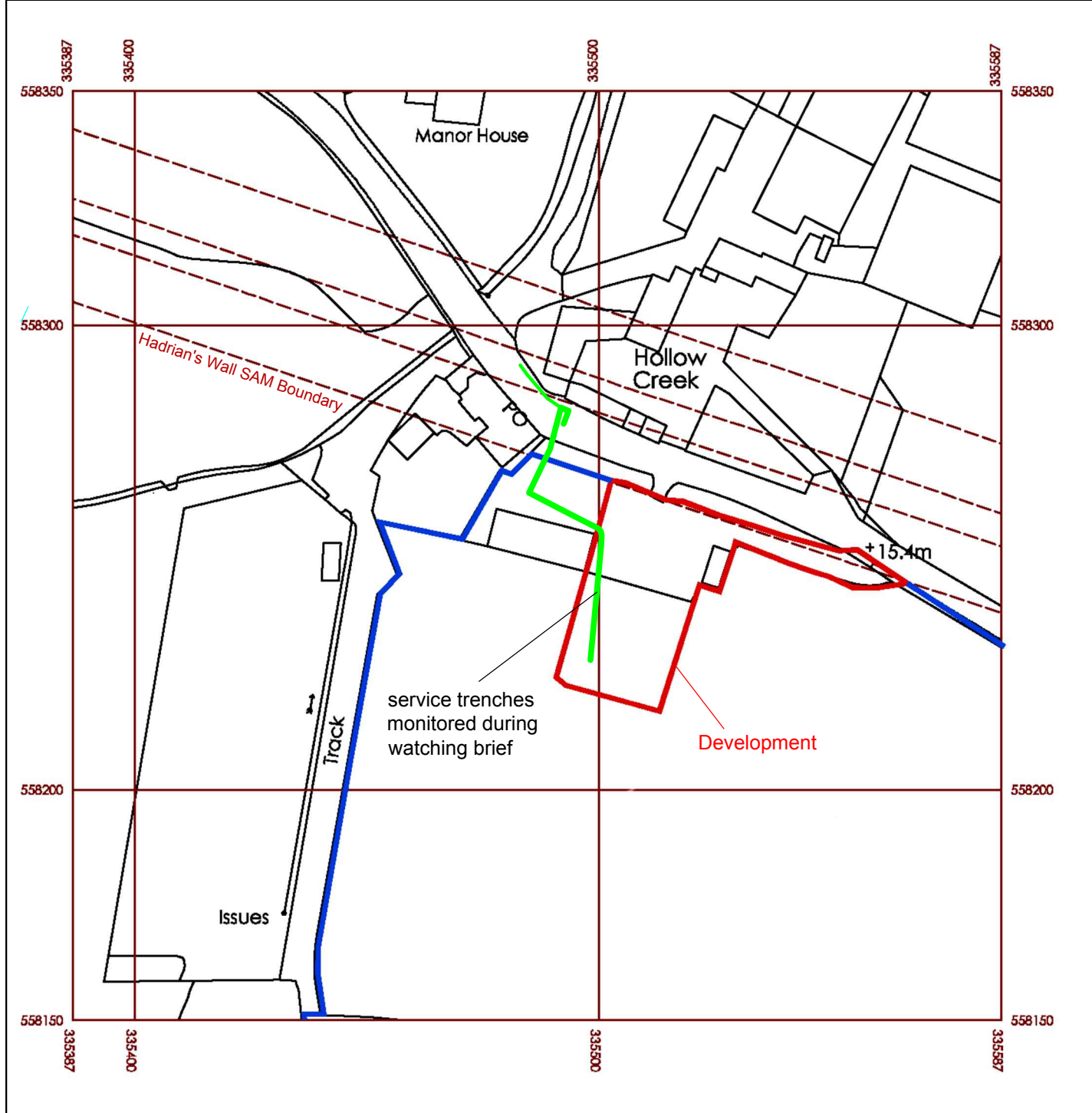
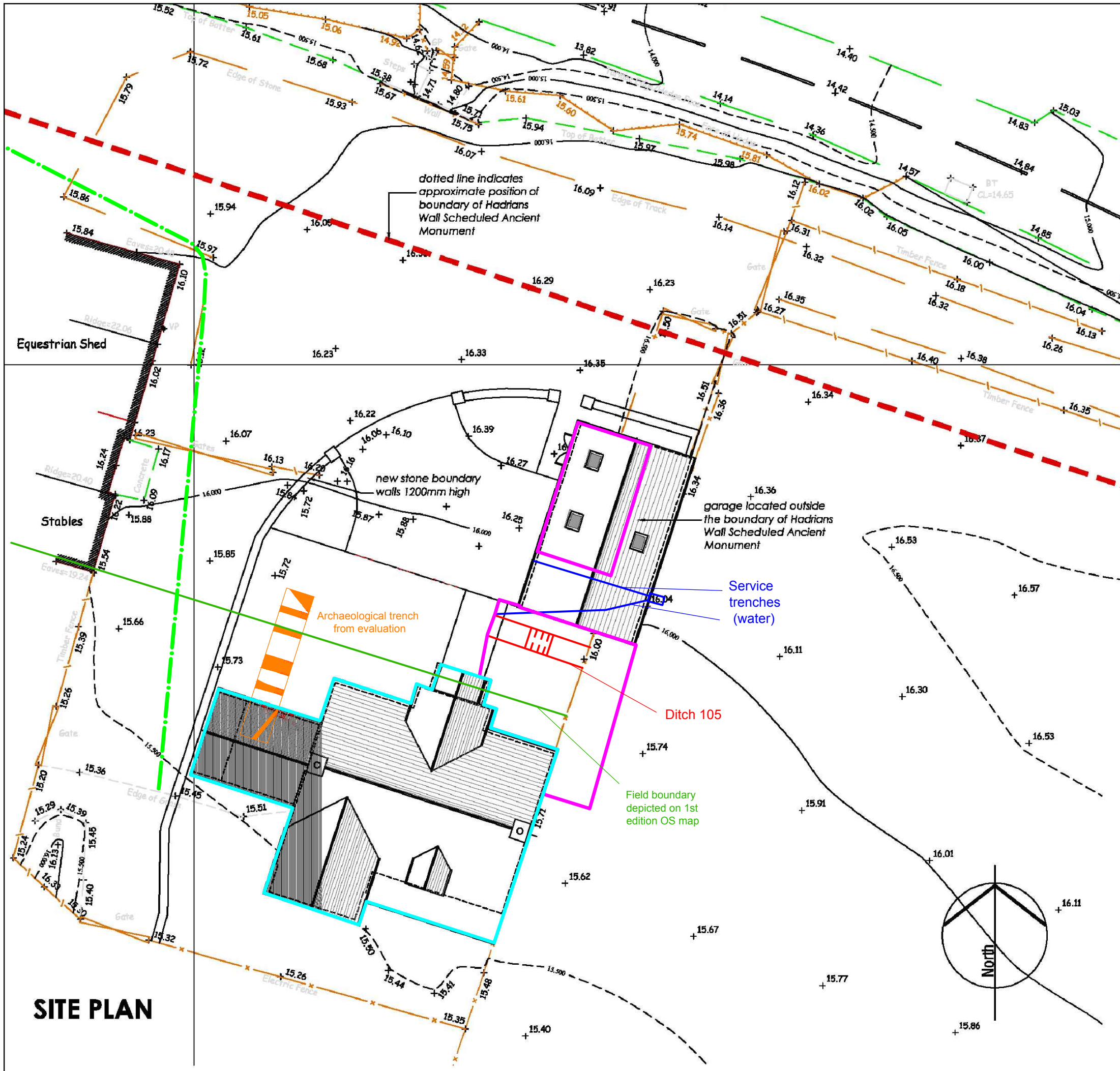


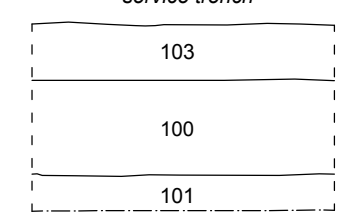
Fig. No: 1	Revision: A
Title: Location Plan showing service trenches monitored during watching brief	
Project: Land at Hadrian's Stud, Kirkandrews-on-Eden, Carlisle, Cumbria	
Client: Lloyd Ltd and Lloyd Motors Ltd	
Scale at A3: Plans, 1:1250 and 1:500	



SE facing section of ditch 105



Sample section of water service trench



- Key:
- Archaeological feature
  - Water service
  - Areas stripped to natural during watching brief
  - Foundations monitored during watching brief
  - Service trench monitored during watching brief

**SITE PLAN**

Fig. No:	2	Revision:	A
Title: Plan of areas stripped and sections			
Project: Land at Hadrian's Stud, Kirkandrews-on-Eden, Carlisle, Cumbria			
Client: Lloyd Ltd and Lloyd Motors Ltd			
Scale at A3: Plan, 1:200, Sections, 1:40			

**Plates 1-6**



Plate 1: General site shot taken after topsoil strip, south facing shot



Plate 2: Site after excavation of foundation trenches, south-west facing shot



Plate No:	1-2	Revision:	A	Project:	Hadrians Stud, Kirkandrew-on-Eden, Cumbria
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Plate 3: South-east facing section of Ditch 105



Plate 4: West facing section of stratigraphy of proposed garage area

Plate No: <b>3-4</b>	Revision: <b>A</b>	Project: <b>Hadrians Stud, Kirkandrew-on-Eden, Cumbria</b>			<b>CFA ARCHAEOLOGY LTD</b> Offices C1 & C2 Clayton Business Centre Midlands Road Leeds, LS10 2RJ T: 0113 271 6060 F: 0113 271 3197 yorkshire@cfa-archaeology.co.uk www.cfa-archaeology.co.uk
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Plate 5: East facing section of service trench within property area




Plate 6: Service trench within existing road, looking south-east

Plate No:	5-6	Revision:	A	Project:	Hadrians Stud, Kirkandrew-on-Eden, Cumbria
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