

# CFA Archaeology Ltd

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**New Dwelling, Hadrian Stud  
Kirkandrews-on-Eden  
Cumbria**

**Archaeological Desk-Based Assessment and  
Evaluation**

**Report No. 2180**

 0131 273 4380

 0131 273 4381

 [info@cfa-archaeology.co.uk](mailto:info@cfa-archaeology.co.uk)

 [www.cfa-archaeology.co.uk](http://www.cfa-archaeology.co.uk)

## **CFA ARCHAEOLOGY LTD**

The Old Engine House  
Eskmills Business Park  
Musselburgh  
East Lothian  
EH21 7PQ

Tel: 0131 273 4380  
Fax: 0131 273 4381  
email: [info@cfa-archaeology.co.uk](mailto:info@cfa-archaeology.co.uk)  
web: [www.cfa-archaeology.co.uk](http://www.cfa-archaeology.co.uk)

Author	Magnus Kirby MA FSA Scot AIfA
Illustrator	Tamlin Barton MA
Editor	Bruce Glendinning BSc PgDip MIfA
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## **1. INTRODUCTION**

### **1.1 General**

This report presents the results of an archaeological desk-based assessment and evaluation undertaken by CFA Archaeology Ltd (CFA) on 14th February 2013 at the site of a proposed residential dwelling (single house and detached garage) at Hadrian's Stud, Kirkandrews-on-Eden (Kirkandrews), Cumbria (Trench location NGR: 335505 558238 – 335502 558230) (Fig.1). The work was commissioned by Architects Plus (UK) Ltd on behalf of Nigel Springer.

A Written Scheme of Investigations was produced by CFA on behalf of Architects Plus. The WSI was designed to meet the requirements of the Cumbria County Council Historic Environment Service (CCCHES).

### **1.2 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 as late as 1687, but by 1692 the parish was served by Beaumont church. Currently, the village contains a number of interesting 18<sup>th</sup> century buildings reflecting the post-medieval development of the area.

The development site is located to the south of an unclassified road on the eastern outskirts of Kirkandrews and is situated adjacent to the southern edge of the scheduled area associated with Hadrian's Wall and Vallum. Consequently, this site was considered to be of high potential in relation to archaeological remains dating to the Roman period.

The proposed development area consisted of a hardcore surfaced access road and yard associated with the existing stables and equestrian centre. At the time of this evaluation it was occupied by a static caravan, as well as a number of vehicles and trailers.

A walkover survey of the site undertaken immediately prior to the evaluation did not identify any surface features of potential archaeological interest.

No invasive archaeological fieldwork is known to have taken place within the proposed development area prior to this evaluation.

### **1.3 Aims and Objectives**

The aims of the evaluation were to determine the presence or absence, location, extent, date, character, condition, significance and quality of any surviving archaeological remains liable to be threatened by the proposed development.

## **2. METHODS STATEMENT**

### **2.1 General**

CFA Archaeology Ltd follows the Institute of Archaeologists' Code of Conduct, Standards and Guidance for Archaeological Evaluation.

### **2.1 Desk-Based Assessment**

The Cumbria County Council Historic Environment Record was consulted to obtain information relating to the development area. This included consulting primary and secondary maps and documents relating to the site to set the evaluation results in their geographical, topographical, archaeological and historical context. Records held by the County Historic Environment Record (HER) in Kendal as well as records held by the County Records Office at Carlisle were consulted.

Historic map coverage for the area was examined together with any other readily available cartographic information on pre-recent land use in the development area.

### **2.2 Evaluation**

The brief required the excavation of a single evaluation trench measuring 8m long by 1.5m wide.

Topsoil and modern overburden were removed by a 360° mechanical excavator equipped with a 1.5m wide smooth-bladed ditching bucket. All groundbreaking work was carried out under constant archaeological supervision. Any further excavation required to fulfil the objectives of the evaluation was carried out by hand.

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

The stratification of all excavated areas was recorded whether or not significant archaeological deposits were identified.

Trench positions were surveyed using industry standard electronic surveying equipment and all trenches were backfilled.

### **3. ARCHAEOLOGICAL RESULTS**

#### **3.1 Desk-Based Assessment**

The CCCHES HER indicates that the extreme northern end of the development boundary extends into the scheduled area associated with Hadrian's Wall Vallum (SAM No. 5782). Consequently, any works carried out in this area will have an impact upon the scheduled area. Aside from the scheduled area, there were no other cultural heritage sites recorded within the proposed development area.

A number of sites were identified within a 0.5km radius of the proposed development site. These were medieval or post-medieval in date and included Eden Farm (farmstead, threshing barn, boundary ditch and three further barns) (HER No. 40701), The Cottage and Weavers Cottage (HER No. 43319), The Old Forge (HER No. 43597), The Church of St Andrew (HER No. 442), and St Andrews Holy Well (4544).

The First Edition Ordnance Survey Map (1867) depicts three small conjoined fields running parallel with the southern edge of the road approaching the eastern outskirts of Kirkandrews. The proposed development partially lies within the central field, extending beyond the field boundary into a much larger field to the south. A long linear building, possibly a row of cottages, is depicted in the easternmost field running parallel with the southern edge of the access road into the site. The majority of this building lies outwith the proposed development area, but it may extend just inside it within the proposed location of the garage.

On the Ordnance Survey map of 1901, the field layout remains largely unchanged from the First Edition with the exception that the boundary between the easternmost field and the central field has disappeared. However, by 1926, the long linear building parallel with the site access and the field boundary defining the easternmost field are no longer depicted. On the Ordnance Survey map of 1971, the southern field boundary is still present defining the extent of the western and central field shown on the First Edition map. A rectangular building depicted against this boundary on its northern side is considered most likely to be the current stables. This field boundary is no longer present within the proposed development area, but an extrapolated line from the southern edge of the stables would suggest that it ran immediately to the north of the proposed house location, cutting across the evaluation trench excavated by CFA at c.90°.

#### **3.2 Archaeological potential**

The close proximity of the site to Hadrian's Wall and Vallum suggested that there was a high potential for encountering artefacts or features of Roman date.

From the historic map investigations, it was considered likely that intrusive ground investigations would encounter post-medieval agricultural remains on the site.

### 3.3 Evaluation

#### *General*

In accordance with the WSI, a single trench measuring 8m by 1.5m was excavated within the pre-determined location. The deposits within this trench consisted of 0.24m – 0.34m of hardcore surfacing (**001**) and 0.2m – 0.46m of compacted mid-brown slightly clayey silt topsoil (**002**) overlying orange-brown sandy-clay natural (**003**). Five linear features (**004**, **006**, **008**, **010** and **012**) and one ceramic field drain (**014**) were identified within this trench. Four of these linear features (**006**, **008**, **010** and **012**) were on the same WNW by ESE alignment as a field boundary depicted on the Ordnance Survey First Edition map and on all subsequent Ordnance Survey editions consulted. Details of the five linear features are given below.

#### *Linear Feature 004*

Linear feature **004** was partially uncovered at the NNE end of the trench. It was aligned NW by SE and measured >0.7m in width. A slot excavated through the exposed part of this feature showed that it measured 0.08m deep, and had gently sloping sides and a flat base. It contained a single fill (**005**) consisting of a mid-brown clayey-silt. There were no finds from this feature.

#### *Linear Feature 006*

Linear feature **006** cut across the full width of the trench on a WNW by ESE alignment and measured 0.32m in width. A slot excavated through this feature showed that it measured 0.15m deep, and had steeply sloping sides and a slightly concave base. It contained a single fill (**007**) consisting of a mid-brown clayey-silt. There were no finds from this feature.

#### *Linear Feature 008*

Linear feature **008** cut across the full width of the trench on a WNW by ESE alignment and measured 0.3m in width. A slot excavated through this feature showed that it measured 0.08m deep, and had sloping sides and a slightly concave base. It contained a single fill (**009**) consisting of a mid-brown clayey-silt. A single sherd of white-glazed 19<sup>th</sup>/20<sup>th</sup> century pottery was recovered from the fill of this feature. The position of this feature corresponds with the location of a field boundary on the First Edition Ordnance Survey map.

#### *Linear Feature 010*

Linear feature **010** cut across the full width of the trench on a WNW by ESE alignment and measured 0.72m in width. A slot excavated through this feature showed that it measured 0.04m deep, and had gently sloping sides and a flat base. It contained a single fill (**011**) consisting of a slightly orangey-brown clayey-silt. There were no finds from this feature. The broad shallow nature of this feature combined with a slightly aerated nature to the fill suggests that it might relate to ridge-and-furrow cultivation.

### *Linear Feature 012*

Linear feature **012** cut across the full width of the trench on a WNW by ESE alignment and measured 0.3m – 0.4m in width. A slot excavated through this feature showed that it measured 0.08m deep, and had gently sloping sides and a slightly concave base. It contained a single fill (**013**) consisting of a mid-brown clayey-silt. There were no finds from this feature.

## **4. CONCLUSION**

A desk-based assessment and an archaeological evaluation were carried out in advance of the construction of a dwelling house and garage at Hadrian Stud, Kirkandrews-on-Eden, near Carlisle. The desk-based assessment indicated that the proposed development area lay adjacent to the vallum associated with Hadrian's Wall, with the extreme northern end of the site lying just inside the scheduled area, but that most of the identifiable activity within the area itself related to post-improvement agricultural practices. The village of Kirkandrews itself contains the site of a medieval church, but the majority of the sites identified by the DBA outwith the development area relate to post-medieval development.

The excavation of the evaluation trench led to the identification of five linear features and a single ceramic field drain. Four of the five linear features were on the same alignment as a field boundary depicted on the First Edition Ordnance Survey map and may be related to this feature. A single sherd of 19<sup>th</sup>/20<sup>th</sup> century pottery was recovered from the fill of one of the linear features.

Following completion of all relevant analyses, the project archive, comprising all CFA record sheets, plans and reports, will be prepared in accordance with the recommendations of *The Management of Archaeological Projects* (2<sup>nd</sup> ed, 1991), and arrangements made for its deposition with an appropriate repository. A copy will also be offered to the National Monuments Record.

The Cumbria County Council Historic Environment Service will be notified of the arrangements made for the deposition of the archive.

A summary statement of the results of this archaeological work will be submitted for inclusion on the OASIS website.

Based on the results of the evaluation no further work is recommended, however it is understood that final the decision regarding any further mitigation measures lies with CCCHES.



## **5. REFERENCES**

### **Cartographic**

Ordnance Survey 1<sup>st</sup> Edition 1867, *Cumberland*, 1:2500

Ordnance Survey 2<sup>nd</sup> Edition 1901, *Cumberland*, 1:10560

Ordnance Survey 1926, *Cumberland*, 1:2500

Ordnance Survey 1971, *Cumberland*, 1:2500

## APPENDIX 1: Photo Register

*Digital*

Shot	Description	Taken From	Conditions
1	General pre-ex shot of location of trench	NNE	Overcast
2	General pre-ex shot of location of trench	SSW	Overcast
3	General post-ex shot of trench	NNE	Low sun/shade
4	General post-ex shot of trench	SSW	Low sun/shade
5	WNW-facing section of trench showing linear 004 and 006	WNW	Low sun/shade
6	Linear 004, WNW-facing section	WNW	Low sun/shade
7	Linear 006, WNW-facing section	WNW	Low sun/shade
8	WNW-facing section of trench showing linear 008	WNW	Low sun/shade
9	Linear 008, WNW-facing section	WNW	Low sun/shade
10	WNW-facing section of trench showing linear 010	WNW	Low sun/shade
11	Linear 010, WNW-facing section	WNW	Low sun/shade
12	WNW-facing section of trench showing linear 012	WNW	Low sun/shade
13	Linear 012, WNW-facing section	WNW	Low sun/shade
14	WNW-facing section of trench showing field drain 014	WNW	Low sun/shade
15	Field drain 014 showing pipe 016	Above	Low sun/shade
16	General post-ex shot of trench	SSW	Low sun/shade
17	General post-ex shot of trench	NNE	Low sun/shade

## APPENDIX 2: Context List

Context No.	Fill of	Description
001		Modern hardcore
002		Topsoil
003		Natural
004		Cut of linear feature
005	004	Mid-brown clayey-silt, fill of 004
006		Cut of linear feature
007	006	Mid-brown clayey-silt, fill of 006
008		Cut of linear feature
009	008	Mid-brown clayey-silt, fill of 008
010		Cut of linear feature
011	010	Slightly orangey-brown clayey-silt, fill of 010
012		Cut of linear feature
013	012	Mid-brown clayey-silt, fill of 012
014		Cut of field drain
015	014	Mid-brown clayey-silt, fill of 014
016	014	Ceramic field drain

## APPENDIX 3: Field Drawings Register

Drawing no.	Sheet	Description	Plan/section	Scale
1	1	Trench 1, plan	P	1:20
2	1	Trench 1, WNW-facing section	S	1:20



Key:

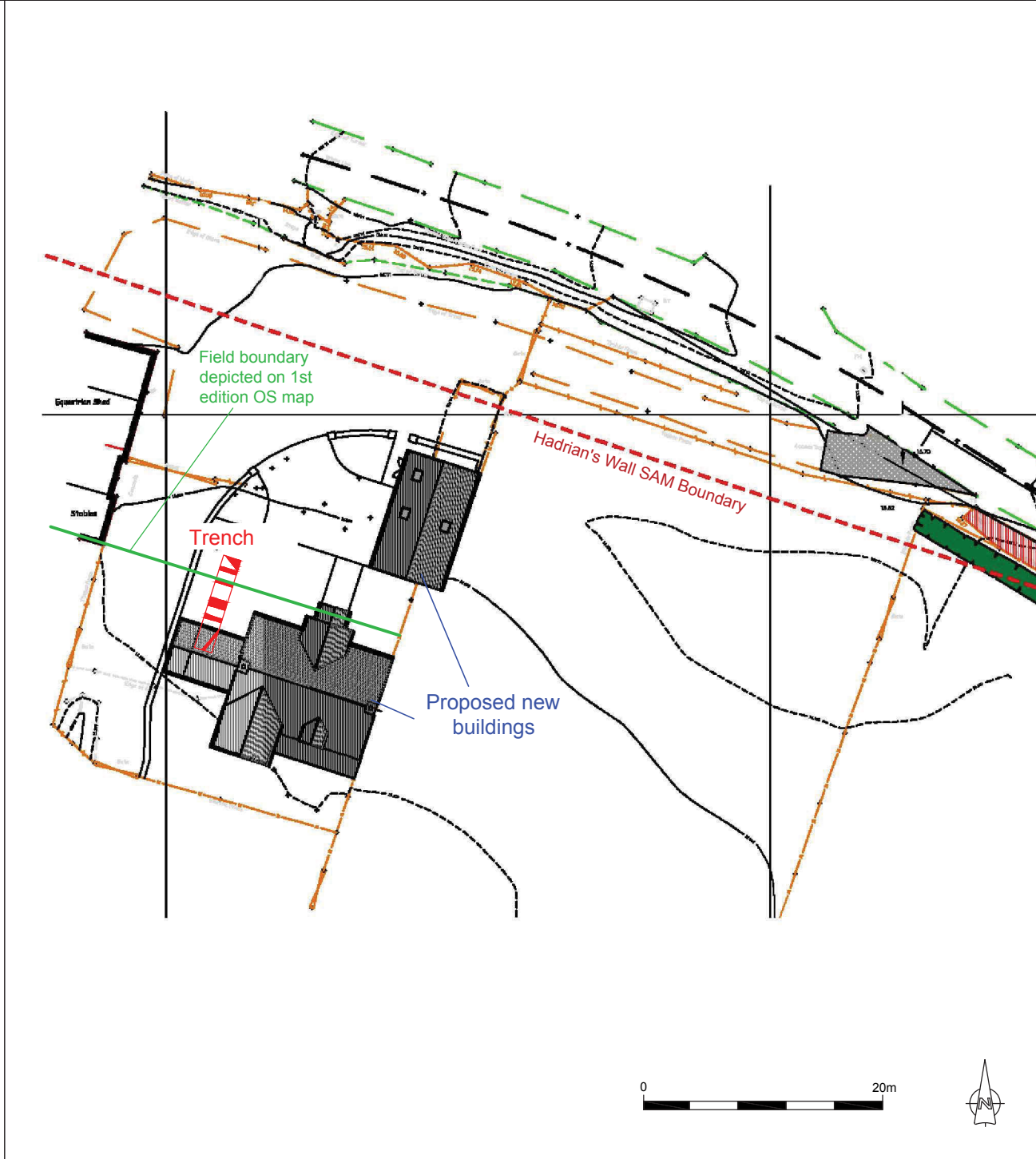
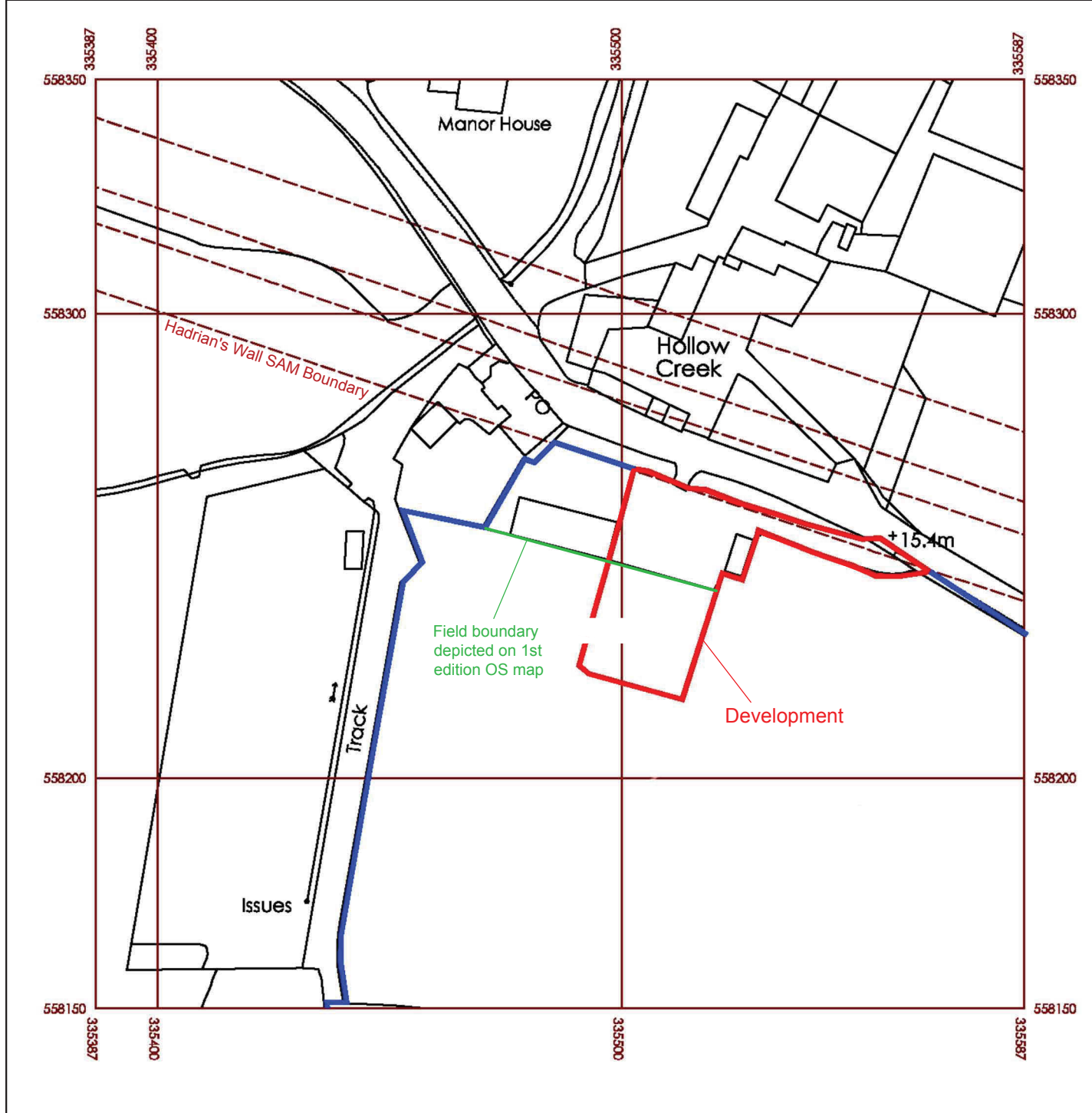


Fig. No: 1 Revision: A

Title: Location Plan

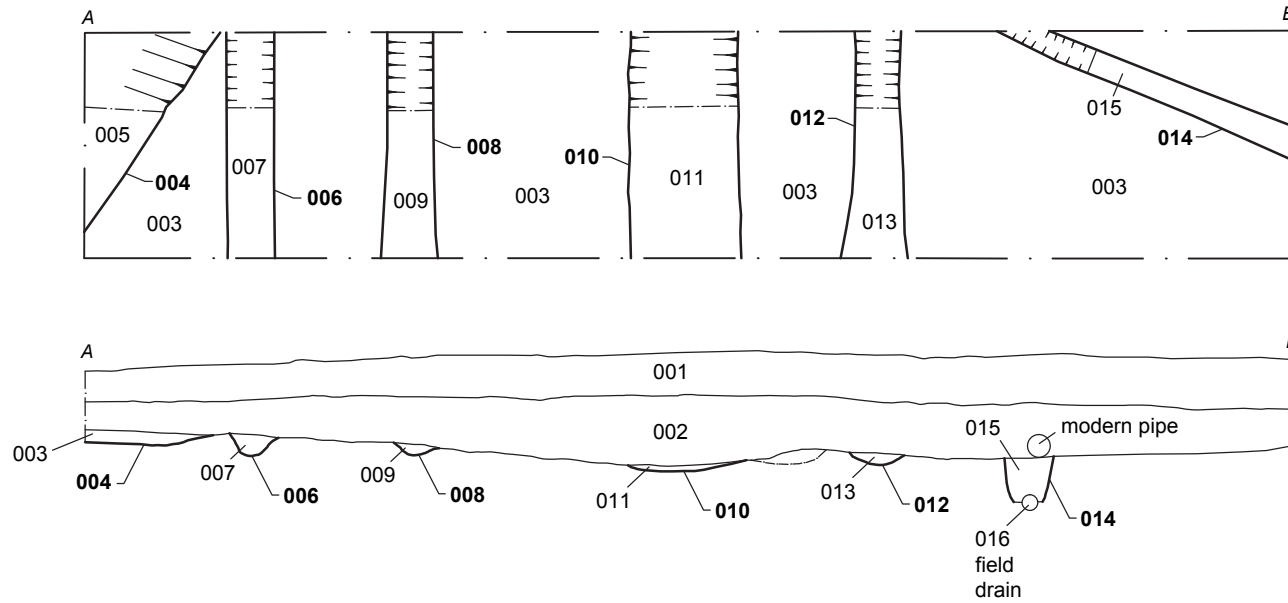
Project: Hadrian Stud, Kirkandrews-on-Eden

Client: Architects Plus (UK) Ltd

Scale at A3: Detailed Plan, 1:500



Key:



**CFA** ARCHAEOLOGY LTD  
 The Old Engine House  
 Eskmills Park  
 Musselburgh  
 East Lothian, EH21 7PQ  
 t: 0131 273 4380  
 f: 0131 273 4381  
 e: info@cfa-archaeology.co.uk  
 w: www.cfa-archaeology.co.uk

Fig. No:	2	Revision:	A
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Title:  
**Plan and west facing section of trench**

Project:  
**Hadrian Stud,  
 Kirkcandrews-on-Eden**



Client:  
**Architects Plus (UK) Ltd**

Scale at A4:  
**1:50**





Fig 3. - WNW-facing section of trench showing linear features 004 and 006



Fig 4. - WNW-facing section of trench showing linear feature 008



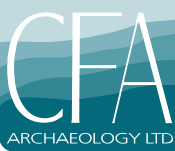
Fig 5. - WNW-facing section of trench showing linear feature 010



Fig 6. - WNW-facing section of trench showing linear feature 012



Fig 7. - WNW-facing section of trench showing field drain 014

Key:	Fig. No:	3-7	Revision:	A	Client:	Architects Plus (UK) Ltd
	Title:	Selected Photos				
Scale at A4:	Project:	Hadrian Stud, Kirkcandrews-on-Eden				
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