

## **CFA ARCHAEOLOGY LTD**

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**Glencorse Water Treatment Works,  
Glencorse Mains, Penicuik, Midlothian.**

**Archaeological Evaluation of Soil Storage Areas.  
Data Structure Report  
No. 1529**

## **CONTENTS**

1.	Introduction	3
2.	Working Methods	4
3.	Archaeological Results	5
4.	Conclusions	9
5.	References	10

## **Appendices**

1.	Summary of Evaluation Trenches	11
2.	Context Register	13
3.	Photographic Register	17
4.	Field Drawings Register	22
5.	Finds Quantification	23
6.	Discovery and Excavation in Scotland Entry	24

## **Illustrations (bound at rear)**

Fig. 1 Trench Plan with an inset showing the location of the site

Fig. 2 General view of the site from Castlelaw showing the trenches within sheltering woodland

Fig. 3 Enlarged view of the area containing Trenches 8, 10 and 11

Fig. 4 Trench 11, section of ditch terminal and overlying soil deposits

Fig. 5 Trench 11, plate showing ditch terminal and section

Fig. 6 Trench 11, plate showing broader and shallower profile to south-east of terminal

Fig. 7 Plan of stone culvert in Trench 40

Fig. 8 View of stone culvert in Trench 40 from the north-east

## **1. INTRODUCTION**

### **1.1 General**

- 1.1.1 This report presents the results of an archaeological evaluation undertaken by CFA Archaeology Ltd (CFA) in July 2008 within the proposed soil storage areas associated with the new Glencorse Water Treatment Works at Glencorse Mains, Penicuik, Midlothian (centred on NGR NT 237 628, Fig 1). The work was commissioned by ERM on behalf of Scottish Water.
- 1.1.2 A Written Scheme of Investigation (WSI) was produced by CFA. The WSI was approved in advance by the Archaeology Officer for Midlothian Council.

### **1.2 Background**

- 1.2.1 In response to the planning application for the construction of a Water Treatment Works (WTW) at Glencorse and an associated pipeline to Edinburgh (08/00135/FUL and 08/0137/FUL), the East Lothian Council Heritage Officer recommended a programme of archaeological work be carried out in advance of and during construction. An evaluation of the Treatment Works area has been previously carried out (Kirby 2007). The current phase of work covers the evaluation of two soil storage areas located to the north-east of the WTW (Fig 1).

### **1.3 Objectives**

- 1.3.1 The aims of the project:
- To establish the presence/absence, extent, condition, character, quality and date of any archaeological features or deposits within the proposed development area;
  - To establish whether any remains associated with the possible Roman Fortlet located to the south-west survive within the area;
  - To establish the vulnerability of any additional archaeological features to the proposed development;

### **1.4 Weather Conditions**

- 1.4.1 The weather throughout the evaluation was dry.

## **2. WORKING METHODS**

### **2.1 General**

- 2.1.1 Work was conducted with regard to the Institute of Field Archaeologists' (IFA) *Standard and Guidance for an Archaeological Evaluation and Code of Conduct*.

### **2.2 Evaluation Strategy**

- 2.2.1 The total site area is 9.8ha spread over two fields. A coverage of 5% (4900m<sup>2</sup>) is required in the WSI. Forty-seven trial trenches (Fig. 1) were opened which examined 5255m<sup>2</sup>.
- 2.2.2 Excavation constraints (Fig. 1) included overhead electricity cables. In line with HSE guidelines, 'no dig' areas were set up around these. An unrecorded water pipe was located in Trench 7 (Field 1) and the route of this pipe was avoided in later trenches. A cabbage patch, managed by the Scottish Agricultural College and an extensive dung midden, both also in Field 1, were avoided.
- 2.2.3 The trenches were excavated by machine under direct archaeological supervision to remove topsoil and modern deposits down to subsoil or the first significant archaeological horizon, whichever was reached first.
- 2.2.4 Samples of all features of archaeological interest were hand excavated in order to establish their likely date, nature, extent and condition.
- 2.2.5 All hand excavation and on-site recording was carried out according to standard CFA procedures, principally by drawing, by 35mm and digital photography and by completing standard CFA record forms.
- 2.2.6 Trench locations were surveyed using a Thales differential GPS and all trenches were backfilled on completion of recording.

### 3. ARCHAEOLOGICAL RESULTS

#### 3.1 General

- 3.1.1 Appendix 1 contains a tabulated summary of trench dimensions and a brief summary of the features encountered. Context numbers appear in bold, and a full list of contexts can be found in Appendix 2.
- 3.1.2 Known services included overhead power cables along the south-east side of Field 1. In addition, a modern blue plastic water pipe serving animal watering troughs in both fields was recorded in Trenches 7 and 43.
- 3.1.3 The overall site lies at around 190m OD and has a generally south-easterly aspect. Two fields, termed Fields 1 & 2 (Figs 1-2) were evaluated and these were separated by a trackway bounded by hedges and ditches. Both fields were in grass at the time of the evaluation. In general, 0.3m of compact brown clay-silt topsoil overlies a brownish-pink compact sandy and stony clay-silt natural subsoil. Localised patches of creamy yellow-grey and yellow-orange clay were recorded and overall, the natural subsoil is poorly drained. A notable exception to the clay-based natural subsoil was recorded in Trenches 38, 40 and 41 in Field 2 where more sandy material was recorded. Agricultural subsoil was identified in trenches along the low-lying south-east edges of Field 1, (Trenches 1-4, 6, 8, 10-12, 22 and 23) and in Field 2, (Trenches 38, 40, 41 and 43) where they would naturally accumulate through ploughing and slope wash.
- 3.1.4 Modern artefacts, principally ceramics and glass, occur in the topsoil which also contains inclusions of both coal and ash. Pre-modern artefacts were recovered only from the upper fill of a ditch in Trench 11. The finds are assessed by Sue Anderson in Section 3.4 below.

#### 3.2 Evaluation, Field 1 (Figs. 1-3)

- 3.2.1 Twenty-seven trenches (Fig. 1, Appendix 1) were excavated within Field 1. Within these, the archaeological remains consisted of a ditch containing the carbonised products of cereal processing and traces of rig and furrow agriculture.

##### *Ditch (Figs. 1, 3, 4, 5 and 6)*

- 3.2.2 A broad irregular ditch filled with crop processing remains and aligned north-west to south-east was recorded in Trench 11 (**11006**). It is thought, based on alignment and fills, that the continuation of this ditch was also found in Trench 8 (**8004**) and Trench 10 (**10004**). However, in both Trench 8 and 10 the ditch was not as broad and was more regular.
- 3.2.3 In Trench 11 (Fig 3, 4 and 5) modern topsoil (**001**) overlay subsoil (**11003**) which also appeared to fill a linear furrow (**11012**) which was 1.5m wide by 0.15m deep. Field drains containing both locally quarried purple volcanic stone (**11014**) and a one-piece clay-pipe (**11016**) were cut from the base of the modern topsoil. The furrow (**11012**) appeared to cut the upper fill (**11004**) of an irregular ditch (**11006**). The upper fill of the ditch was a brownish grey

silty clay (**11004**) which contained quantities of stones (**11013**) along the south-western side. The primary fill of the ditch (**11011**) was a black carbonised deposit 0.3m deep. A sample was recovered for palaeobotanical analysis by Mhairi Hastie and the results are detailed in Section 3.5 below. A second section (Fig 6) was excavated to the south-east and the same fill sequence was identified but the ditch appeared shallower at this point and the lower fill (renumbered **11005**) was less rich in organic remains than the same fill (**11011**) in the section to the north-west. Again the upper fill of the ditch appeared to have been cut by a furrow (**11001**).

- 3.2.4 In Trenches 8 and 10 (Fig 3) what is interpreted as the continuation of the ditch identified in Trench 11 underlay topsoil and was 3m in width. A section in Trench 10 showed that the ditch (**10004**) was 0.4m in depth and it contained an upper fill of brownish grey sandy clay (**10006**) which overlay a basal fill (**10005**) of charcoal and burnt bone-flecked brown clay-silt. This deposit was contained similar organic material to **11011** and **11005** but was less rich. No finds were recovered. In trench 8 the ditch (**8004**) was also c 3m wide, a section was not excavated at this point but the upper fill (**8005**) was a mid greyish brown sandy clay.
- 3.2.5 The terminal end of the ditch was identified in this Trench 11 but a south-eastern extent was not established making the feature is at least 35m in length.

#### *Rig and Furrow*

- 3.2.6 Parallel linear furrows were recorded in Trenches 11-12, 14-26. These are all interpreted as the negative elements of rig and furrow cultivation.
- 3.2.7 The alignment of these features was consistently at around north-west to south-east, at 90° to the contours and parallel to the north-eastern and south-western edges of the field. The profiles of the cuts were fairly consistent, with gently sloping sides and flattish bases but some (eg. Trench 23, **23003**) were more 'V' profiled. Their truncated nature is indicated in several trenches by substantial gaps between individual furrows. Widths varied from less than 1m to around 3m with 1-2m being most common. Excavated sections showed a general depth of less than 0.1m but up to 0.25m in Trench 12 (**12001**).

### **3.3 Evaluation, Field 2 (Fig. 1, 4-5)**

- 3.3.1 Twenty trenches (Fig. 1, Appendix 1) were excavated within Field 2. The only substantial feature was a culvert recorded in Trench 40 and possibly in Trench 43.

#### *Culvert (Figs. 7-8)*

- 3.3.2 Trench 40 was excavated some 3m from the hedge and modern fence flanking the trackway between Fields 1 & 2 (Fig. 1). Under modern topsoil (**001**) with a depth of 0.5m was a very compact deposit (**40001**) of dark brown soil, 0.1m deep, which was flecked with coal and mortar and contained late 18th or 19th century finds. This sealed the remains of a probable culvert constructed from two parallel linear mortared walls (**40002**, **40003**) built within a cut into the natural undisturbed subsoil. The channel created by the culvert was 0.25m in

width. The side walls of the culvert were 5m long and 0.4m wide. The north-eastern (downslope) end of wall **40002** was clearly damaged but retained a depth of 0.35m. The culvert channel had a partially paved base (**40010**). The feature continues to the north-west and south-east as a linear gully (**40008**) which was filled by the same homogeneous yellow-brown clay-silt as the culvert. A section was cut across this gully and it was found to have a U-shaped profile with a depth of 0.2m and a width of 0.5m. This feature continued for the 85m length of Trench 40. Other features consisted of an irregular cut feature (**40006**) filled with dark brown stony clay (**40007**) and two small discrete areas of stone (**40011**) and (**40012**) lying in the natural subsoil. No function or date can be ascribed to these.

- 3.3.3 It is possible that a continuation of the gully identified in Trench 40 was also identified in Trench 43 (**43001-2**) to the north-east (Fig. 1) giving a length of at least 150m for the feature.

#### *Other Features*

- 3.3.4 The excavation of Trench 38 (Fig 1) revealed two linear cuts (**38001**, **38005**) which may be field drains containing fills of building debris (**38002**, **38006**) consisting of undressed stones with mortar adhering and lumps of mortar. . Finds of 18th century and more recent date were recovered from these features (Section 3.4). Trench 41 revealed a possible continuation of (**38001**) recorded here as (**41001**).

### **3.4 Finds, by Sue Anderson**

- 3.4.1 Finds were recovered from contexts in Trenches 10, 11, 38 and 40. A full list by context is included as Appendix 5.
- 3.4.2 One small, abraded fragment of calcined animal bone was recovered from (**10005**) in Trench 10.
- 3.4.3 Context (**11004**) in Trench 11 produced two sherds of medieval pottery, a white gritty ware jar rim and a small abraded sherd which may be East Coast redware. Also from this context was a small rounded droplet of turquoise glass of uncertain date, but probably post-medieval.
- 3.4.4 Finds were collected from the fills (**38002**, **38004**, **38006**) of three drain features in Trench 38. These comprised three sherds of 19th/20th-century pottery (yellow ware, stoneware and refined whiteware), a base shard of an 18th/19th-century green glass bottle, and a fragment of handmade brick.
- 3.4.5 Two sherds of slipped redware of late 18th/19th-century date were collected from furrow (**40001**) in Trench 40.

### **3.5 The carbonised plant remains, by Mhairi Hastie**

- 3.5.1 The primary fill (**11011**) of the ditch feature identified in Trenches 8, 10 and 11 contained well-preserved oat lemma and palea remains (florete fragments / husks), heather buds and occasional oat grains. Preservation of the plant remains was particularly good as they had been sealed by a thick layer of

clayey soil (**11004**). The composition of the sample suggests that the deposit is the by-product of crop processing, particularly the fine / lighter chaff element produced following a secondary winnowing stage (Hillman 1981); larger straw fragments and weed seeds having been removed during earlier winnowing, threshing and sieving processes.

- 3.5.2 In temperate climates it was necessary to dry or parch grain to facilitate 'shellin' ie; the removal of the husks (lemma and palea) which exposed the naked grains for milling. Traditionally the grains would have been stored in the florets and parching of the grain would have been carried out before grinding. The remaining husk fragments could have then been used as an animal fodder, as fuel, or mixed with other domestic waste and used as manure. Recovery of such material indicates that at least the later crop processing stages were being carried out near to the ditch; the parched and removed husks being discarded into the ditch fill.



#### 4. CONCLUSIONS

- 4.1 Forty-seven trial trenches were excavated within the proposed soil storage areas associated with the new Glencorse Water Treatment Works at Glencorse Mains, Penicuik, comprising just over 5% of the proposed soil storage area.
- 4.2 Within Field 1 the results of the evaluation included:
- A broad shallow ditch feature aligned north-west to south-east containing residues of crop processing was identified in Trench 11 and possibly Trenches 8 and 10. The residues were very concentrated at the identified terminal which lay at the north-western end of the feature in Trench 11 and became less concentrated to the south-east. The upper fill of brownish grey silty clay contained abraded medieval ceramics and was cut by a linear furrow which is likely to be of eighteenth or nineteenth century date. It is possible that the ditch was open for some time after the crop processing debris was dumped as the reduction in the concentration of the residues from north-west to south-east may be due to the residues being washed down the ditch from a main concentration in the north-west end of the feature.
  - Linear furrows representing the remains of rig and furrow agriculture, aligned mostly north-west to south-east. In form, these most closely resemble the Narrow Straight Rig (Dixon 1994) of the late eighteenth and nineteenth centuries.
- 4.3 Within Field 2 the results of the evaluation included:
- No Roman remains and no features on the prominent ridge to the north-east of the fortlet (Kirby 2007).
  - No linear furrows comparable to those in Field 1.
  - The truncated remains of a stone culvert drain and a gully were identified in Trench 40 and Trench 43. The stone culvert only survived for a length of 5m but at either end of this surviving culvert the gully was present. The continuation of the gully may also have been identified in Trench 43. This feature is probably the remains of a main drain running into to the north-east corner of the field where 'Issues' are shown on modern maps. It is not known why only part of this drain was so well built but this may be due to survival as the rest of it may have been dug up and the stone incorporated into later buried drains such as **38001**, **38005** simply leaving the gully as an open drain.
- 4.4 The majority of the features appear to date to the late 18th or 19th century. The ditch (if it is indeed a ditch and not a natural hollow) which was filled with crop processing debris is probably earlier than this, as it is cut by the later rig, although no date can be ascribed to it and the recovery of a few sherds of medieval pottery from the upper fill do not securely date it.
- 4.5 The responsibility for deciding whether further work is required lies solely with Midlothian Council.

- 4.6 The project archive, comprising all CFA record sheets, maps and reports will be deposited with the National Monuments Record of Scotland (NMRS) and copies of reports will be lodged with Midlothian Council.
- 4.7 A summary statement of the results of this evaluation will be submitted for publication in *Discovery and Excavation in Scotland 2008* (Draft as Appendix 6).

## 5. REFERENCES

Dixon, P J 1994 *Field-Systems, Rig and Other Cultivation Remains in Scotland: The Field Evidence*, in Foster, S & Smout, T C, (eds) *The History of Soils and Field Systems*, 26-52. Scottish Cultural Press.

Douglas, G & Oglethorpe, M 1993 *Brick, Tile and Fireclay Industries in Scotland*. RCAHMS, Edinburgh.

Hillman, G C 1981 'Reconstruction of crop husbandry practices from charred remains of crops', in R J Mercer (ed) *Farming practice in British Prehistory*, Edinburgh, p123-162.

Kirby, M 2007 Edinburgh Drinking Water Treatment Works, Glencorse, Midlothian. CFA Archaeology Ltd Report No. 1437

## APPENDIX 1: Summary of Evaluation Trenches

Trench No.	Length (m)	Width (m)	Depth of Topsoil / Buried soil (m)	Comments
1	50	2.2	0.3 / 0.3	No archaeology. 7 field drains
2	50	2.2	0.3 / 0.3	No archaeology. 7 field drains
3	50	2.2	0.3 / 0.25	No archaeology. 2 field drains
4	50	2.2	0.3 / 0.15	No archaeology. 2 field drains
5	50	2.2	0.3	No archaeology. 8 field drains
6	50	2.2	0.3 / 0.3	No archaeology. 7 field drains
7	50	2.2	0.3	No archaeology. 7 field drains
8	50	2.2	0.3 / 0.3	8 field drains 1 ditch feature possibly a continuation of feature in Trenches 10, 11
9	50	2.2	0.3	No archaeology. 2 field drains
10	50	2.2	0.3 / 0.3	1 ditch feature possibly a continuation of feature in Trenches 8, 11 10 field drains
11	50	2.2	0.3 / 0.3	Field Drains 3 segments of rig and furrow Ditch 11006 which possibly continues through Trenches 8 and 10.
12	50	2.2	0.3 / 0.2	8 segments of rig and furrow 12 field drains
13	50	2.2	0.3	No Archaeology 7 field drains
14	50	2.2	0.3	1 segment of rig and furrow 4 field drains
15	50	2.2	0.3	6 segments of rig and furrow 10 field drains
16	50	2.2	0.3	No Archaeology 12 field drains
17	50	2.2	0.3	4 segments of rig and furrow 5 field drains
18	50	2.2	0.3	2 segments of rig and furrow 9 field drains
19	50	2.2	0.3	2 segments of rig and furrow 2 field drains
20	50	2.2	0.3	3 segments of rig and furrow 12 field drains
21	50	2.2	0.3	4 segments of rig and furrow 8 field drains
22	50	2.2	0.3 / 0.3	5 segments of rig and furrow 8 field drains
23	50	2.2	0.3 / 0.3	5 segments of rig and furrow 8 field drains
24	50	2.2	0.3	3 segments of rig and furrow 4 field drains
25	50	2.2	0.3	4 segments of rig and furrow 5 field drains
26	35	2.2	0.3	2 segments of rig and furrow 4 field drains

Trench No.	Length (m)	Width (m)	Depth of Topsoil / Buried soil (m)	Comments
27	45	2.2	0.3	No Archaeology 7 field drains
28	50	2.2	0.3	No Archaeology 5 field drains
29	50	2.2	0.3	No Archaeology Several field drains
30	50	2.2	0.3	No Archaeology Several field drains
31	100	2.2	0.3	No Archaeology Several field drains
32	50	2.2	0.3	No Archaeology Several field drains
33	50	2.2	0.3	No Archaeology Several field drains
34	50	2.2	0.3	No Archaeology Several field drains
35	50	2.2	0.3	No Archaeology Several field drains
36	50	2.2	0.3	No Archaeology Several field drains
37	50	2.2	0.3	No Archaeology Several field drains
38	50	2.2	0.35	No Archaeology Rubble and mortar filled field drains ( <b>38001, 38003, 38005</b> )
39	50	2.2	0.3	No Archaeology Several field drains
40	85	2.2	0.5 / 0.1	Large collection drain <b>40004</b> running the length of the trench. Feature filled with clay and stone <b>40007</b> . Linear ditch <b>40008</b> running length of trench and abutting walls <b>40002 &amp; 40003</b> . Two parallel drystone walls <b>40002 &amp; 40003</b> with a culvert-type channel between them <b>40009</b> .
41	50	2.2	0.55	Continuation <b>41001</b> of rubble drain <b>38001</b> in Trench 38
42	50	2.2	0.4	No Archaeology Several Field drains
43	10	2.2	0.65	Continuation of <b>40008</b> from Trench 40
44	50	2.2	0.35	No Archaeology Several Field drains
45	30	2.2	0.3	No Archaeology Several Field drains
46	30	2.2	0.3	No Archaeology Several Field drains
47	30	2.2	0.3	No Archaeology Several Field drains

## APPENDIX 2: Context Register

Context No.	Trench	Context Type	Description
001	All	Topsoil	Loose mid grey brown clayey silt. <1% small sub-rounded stone inclusions and modern pottery and glass.
002	All	Natural Subsoil	Compact mid brownish orange sandy clay, mottled grey/white in places. 2-5% small – medium sub-rounded to sub-angular stones inclusions.
003	1-4, 6,8, 10	Subsoil	Firm mid grey-brown clayey silt. 1% small sub-rounded stone inclusions and <% coal flecks and chunks with modern pottery. Same as 11002 and 11003.
5003	5	Cut of modern pit	Sub-oval pit with sloping sides and flat base. Aligned NW-SE. Iron panning in base of pit. Possibly a stone hole backfilled with modern field clearance stones.
5004	5	Fill of modern pit	Clast supported matrix of loose mid brownish grey clayey silt. <1% small sub-rounded stone inclusions. Clasts of larger sub-rounded to sub-angular cobbles of 0.1-0.15m. Poorly sorted and probably rapid infilling.
8004	8	Cut of linear feature	Linear feature, possible ditch or large furrow. Aligned NW-SE with rubble field drain at its northern edge. Possibly same as [10004] and [11006].
8005	8	Fill of linear feature [8004]	Firm mid grey brown sandy clay mottled orange. 1% small sub-rounded stones and coal flecks. Possibly same fill as 11004
10004	10	Cut of linear feature	Linear ditch aligned NE-SW with sloping sides and concave base. Possibly same as [11006] and [8004].
10005	10	Basal fill of [10004]	Firm mid-light bluish grey sandy clay. 1% charcoal flecks and chunks, very occasional chunks of burnt bone, 1% small sub-rounded pebbles. Possibly same as (11005) and (11011).
10006	10	Upper fill of [10004]	Firm light brown grey sandy clay, mottled orange. 1% small sub-rounded stone inclusions. Possibly same as (11004).
11001	11	Cut of possible furrow	Possible furrow same as 11012
11002	11	subsoil	Firm mid grey brown sandy clay mottled orange. 1% small sub-rounded stones and coal flecks.
11003	11	subsoil	Firm grey-brown silty clay mottled orange. 1% small stone inclusions.
11004	11	Upper fill of [11006]	Firm mid brown grey silty clay mottled orange. 1% small stone inclusions.
11005	11	Basal fill of [11006] in NE section	Loose-firm dark grey-black silty clay. <1% small sub-rounded stone inclusions and 2-3% charcoal flecks and very occasional pieces of burnt bone. Same as (10005 and 11011) but greater organic content.
11006	11	Cut of linear feature	Linear cut aligned NW-SE with sloping sides and concave base. NW terminal end found in Trench 11. Possibly same as 10004 and 8004
11007	11	Cut of furrow	Linear furrow
11008	11	Fill of furrow [11007]	Yellow-brown grey clayey silt with 1% small stones and black lumps/coal inclusions
11009	11	Cut of furrow	Linear furrow
11010	11	Fill of furrow [11009]	Yellow-brown grey clayey silt with 1% small stones and black lumps/coal inclusions
11011	11	Basal fill of [11006]	Dark black fibrous burnt organic material with occasional mid-red brown granular material. Same as 11005 and 10005.
11012	11	Cut of possible furrow	Possible furrow same as 11001
11013	11	Stones within ditch [11006]	Random medium and large cobbles within the fill of ditch 11006 in the initial Trench.
11014	11	Linear cut for field	field drain

Context No.	Trench	Context Type	Description
		drain	
11015	11	Fill of [11014]	Quarried stone randomly infilled
11016	11	Linear cut for field drain	field drain
11017	11	Fill of [11016]	Orange one-piece clay pipe and redeposited topsoil/subsoil
12001	12	Cut of furrow	Linear furrow
12002	12	Fill of [1201]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
12003	12	Cut of furrow	Linear furrow
12004	12	Fill of [1203]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
12005	12	Cut of furrow	Linear furrow
12006	12	Fill of [1205]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
12007	12	Cut of furrow	Linear furrow
12008	12	Fill of [1207]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
12009	12	Cut of furrow	Linear furrow
12010	12	Fill of [1209]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
12011	12	Cut of furrow	Linear furrow
12012	12	Fill of [1211]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
12013	12	Cut of furrow	Linear furrow
12014	12	Fill of [1213]	Yellow-brown grey clayey silt with 1% small stones and black lumps/coal inclusions
12015	12	Cut of furrow	Linear furrow
12016	12	Fill of [1215]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
14001	14	Cut of furrow	Linear furrow
14002	14	Fill of [1401]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
14003	14	Cut of furrow	Linear furrow
14004	14	Fill of [1403]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
15001	15	Cut of furrow	Linear furrow
15002	15	Fill of [1501]	Yellow-brown grey clayey silt with 1% small stones and black lumps/coal inclusions
15003	15	Cut of furrow	Linear furrow
15004	15	Fill of [1503]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
15005	15	Cut of furrow	Linear furrow
15006	15	Fill of [1505]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
15007	15	Cut of furrow	Linear furrow
15008	15	Fill of [1507]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
15009	15	Cut of furrow	Linear furrow
15010	15	Fill of [1509]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
15011	15	Cut of furrow	Linear furrow
15012	15	Fill of [1511]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
17001	17	Cut of furrow	Linear furrow
17002	17	Fill of [1701]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions

Context No.	Trench	Context Type	Description
17003	17	Cut of furrow	Linear furrow
17004	17	Fill of [1703]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
17005	17	Cut of furrow	Linear furrow
17006	17	Fill of [1705]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
18001	18	Cut of furrow	Linear furrow
18002	18	Fill of [1801]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
19001	19	Cut of furrow	Linear furrow
19002	19	Fill of [1901]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
19003	19	Cut of furrow	Linear furrow
19004	19	Fill of [1903]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
20001	20	Cut of furrow	Linear furrow
20002	20	Fill of [2001]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
20003	20	Cut of furrow	Linear furrow
20004	20	Fill of [2003]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
20005	20	Cut of furrow	Linear furrow
20006	20	Fill of [2005]	Yellow-brown grey clayey silt with 1% small stones coal inclusions
21001	21	Cut of furrow	Linear furrow
21002	21	Fill of [2101]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
21003	21	Cut of furrow	Linear furrow
21004	21	Fill of [2103]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
21005	21	Cut of furrow	Linear furrow
21006	21	Fill of [2105]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
21007	21	Cut of furrow	Linear furrow
21008	21	Fill of [2107]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
21009	21	Cut of furrow	Linear furrow
21010	21	Fill of [2109]	Yellow-brown grey clayey silt with 1% small stones and black lumps/coal inclusions
220004	22	Cut of furrow	Linear furrow aligned NW-SE
220005	22	Cut of furrow	Linear furrow aligned NW-SE
22006	22	Cut of furrow	Linear furrow aligned NW-SE
22007	22	Cut of furrow	Linear furrow aligned NW-SE
22008	22	Cut of furrow	Linear furrow aligned NW-SE
22009	22	Fill of [22004]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
22010	22	Fill of [22005]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
22011	22	Fill of [22006]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
22012	22	Fill of [22007]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
22013	22	Fill of [22008]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
23004	23	Cut of drainage ditch	Linear ditch aligned NW-SE. Sleep sloping sides and u-shaped base.

Context No.	Trench	Context Type	Description
23005	23	Fill of [23005]	Light-mid grey sandy clay, mottled orange. 1% small sub-rounded stones.
23006	23	Cut of furrow	Linear furrow aligned NW-SE
23007	23	Cut of furrow	Linear furrow aligned NW-SE
23008	23	Cut of furrow	Linear furrow aligned NW-SE
23009	23	Cut of furrow	Linear furrow aligned NW-SE
23010	23	Cut of furrow	Linear furrow aligned NW-SE
23011	23	Fill of [23006]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
23012	23	Fill of [23007]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
23013	23	Fill of [23008]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
23014	23	Fill of [23009]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
23015	23	Fill of [23010]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
24003	24	Cut of furrow	Linear furrow aligned NW-SE
24004	24	Cut of furrow	Linear furrow aligned NW-SE
24005	24	Cut of furrow	Linear furrow aligned NW-SE
24006	24	Fill of [24003]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
24007	24	Fill of [24004]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
24008	24	Fill of [24005]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
25003	25	Cut of furrow	Linear furrow aligned NW-SE
25004	25	Cut of furrow	Linear furrow aligned NW-SE
25005		Cut of furrow	Linear furrow aligned NW-SE
25006	25	Cut of furrow	Linear furrow aligned NW-SE
25007	25	Fill of [25003]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
25008	25	Fill of [25004]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
25009	25	Fill of [25005]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
25010	25	Fill of [25006]	Mid grey-brown clayey silt with 1% small sub-rounded stone and coal inclusions. Similar to (003).
26001	26	Fill of [26002]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
26002	26	Cut of furrow	Linear furrow
26003	26	Fill of [26004]	Yellow-brown grey clayey silt with 1% small stones and coal inclusions
26004	26	Cut of furrow	Linear furrow
38001	38	Cut of drain	Steep sided cut of drain possibly continues into trench 41 as 41001
38002	38	Fill of drain	Stones with adhering mortar, fill of 38001
38005	38	Cut for drain	Steep sided cut of drain
38006	38	Fill of drain	Stones with adhering mortar, fill of 38001
40001	40	Deposit / subsoil?	Very compact dark brown clay silt with coal flecks
40002	40	Culvert Wall	Linear mortared stone wall to SE of channel
40003	40	Culvert Wall	Linear mortared stone wall to NW of channel
40004	40	Cut for drain	Vertical-sided linear cut for culvert
40005	40	Fill of 40004	Mixed sand and clay. Backfilled natural subsoil over fired clay pipe drain
40006	40	Cut of amorphous	Irregular cut of feature. Cut by 40004



Context No.	Trench	Context Type	Description
		feature	
40007	40	Fill of 40006	Dark brown clay and stones
40008	40 & 43	Cut of gully	Cut of gully which runs the length of trench 40 and appears in trench 43. Probably a drain
40009	40 & 43	Fill of 40008	Yellow brown clay/ silt containing coal fragments.
40010	40	Culvert base	Flat stones in the base of channel between walls 40002-3
40011	40	Deposit?	Patch of stone E of 40002
40012	40	Deposit?	Patch of stone to SE of 40002
41001	41	Cut of drain	Steep sided cut of drain possibly same as 38001
41002	41	Fill of drain	Stones with adhering mortar, fill of 41001
43001	43	Cut of gully	Cut of gully probably a drain. Possibly same as 40008
43002	43	Fill of 43001	Yellow brown clay/ silt containing coal fragments.

### APPENDIX 3: Photographic Register

#### Colour Slide Film 1

Shot	Contexts/description	Taken From	Conditions
1	Registration Shot		
2-3	Trench 1 General shot	NNE	Sunny
4-5	Trench 2 General shot	SW	Sunny
6-7	Trench 2 SW facing section of trench at NE end showing (2001)-(2003)	SW	Sunny
8-9	Trench 3 General shot	SE	Sunny
10-11	Trench 4 General shot	SE	Sunny
12-13	Trench 5 General shot	NE	Sunny
14-15	Trench 5 SW facing section of pit [5003]	SW	Sunny
16-17	Trench 6 General shot	NNW	Sunny
18-19	Trench 7 General shot	SE	Sunny
20-21	Trench 8 General shot	N	Sunny
22-23	Trench 8 W facing section of trench at N end	W	Sunny
24-25	Trench 8 Linear feature [8004]	S	Sunny
26-27	Trench 9 General shot	NW	Sunny
28-29	Trench 10 General shot	SSW	Sunny
30-31	Trench 10 WNW facing section of linear feature [10004]	NW	Sunny
32-33	Trench 16 General shot	E	Sunny
34-35	Trench 15 General shot	E	Sunny

#### Colour Slide Film 2

Shot	Contexts/description	Taken From	Conditions
1-2	Trench 14 General shot	SE	Sunny
3-4	Trench 13 General shot	WNW	Sunny
5-6	Trench 13 Quarried stone field drain (top left) and plough scores (bottom right) mid trench	NW	Sunny
7-8	Trench 11 WNW facing section (points A-B) of N-S arm of trench complex showing linear feature [11006] in section	WNW	Cloudy
9-10	Trench 11 General shot of WNW facing section (points A-B) of N-S arm of trench complex showing linear feature [11006] in section	W	Cloudy
11-12	Trench 11 General shot of NW-SE trench	W	Cloudy
13-14	Trench 11 General shot	NNE	Cloudy
15-18	Trench 12 section of furrow [1202]	NW	Overcast
19-21	Trench 12 General shot with relationship to Trench 11 to SE	SW	Overcast
22-23	Trench 11 NNW facing section (points C-D) of linear feature [11006] ENE-WSW arm	NW	Cloudy
24-25	Trench 11 NNW facing section (points C-D) of linear feature	NNW	Cloudy

	[11006] ENE-WSW arm, close-up shot		
26-27	Trench 11 Plan view and section of [11006], ENE-WSW arm	NNW	Cloudy
28-29	Trench 11 Plan view showing (11011) ENE-WSW arm	ENE	Cloudy
30-31	Trench 17 General view	SSE	Bright
32-33	Trench 18 General shot	WSW	Bright
34-35	Trench 19 General shot	NW	Bright
36-37	Trench 11 ESE facing section of furrow [11007]	ESE	Bright

### Colour Slide Film 3

Shot	Contexts/description	Taken From	Conditions
1-2	Trench 20 General shot	NE	Overcast
3-4	Trench 20 SE facing section of furrow [20005]	SE	Bright/shad e
5-6	Trench 21 General shot	S	Bright
7-8	Trench 11 completed section (points C-D) through [11006]	WNW	Bright
9-10	Trench 11 close-up shot of completed section (points C-D) through [11006]	WNW	Bright
11-12	Trench 11 box section 1m x 0.5m, 2m to SSW of [11006]. Shows grey clay overlying orange clay.	WNW	Bright
13-14	Trench 11 General shot showing box section and [11006]	WNW	Bright
15-16	Trench 22 General shot	S	Sunny
17-18	Trench 22 E facing section of trench at S end showing (22001)- (22003)	E	Sunny
19-20	Trench 22 E facing section through rig and furrow [22004]	E	Sunny
21-22	Trench 23 General shot	S	Sunny
23-24	Trench 23 NW facing section of [23004]	NW	Sunny
25-26	Trench 23 E facing section of [23004]	E	Sunny
27-28	Trench 24 General shot	E	Sunny
29-30	Trench 25 General shot	S	Sunny
31-32	Trench 26 General shot	NW	Sunny
33-34	Trench 26 view of furrow [26002] with parallel field drain at SE end of trench	NW	Sunny
35-36	Trench 27 General shot	WSW	Sunny
37	Trench 27 Example of terminal end of field drain within trench	NNW	Sunny

### Colour Slide Film 4

Shot	Contexts/description	Taken From	Conditions
1-2	Trench 29 general view	E	O/C
3-4	Trench 28 general view	SE	O/C
5-6	Trench 30 general view	NE	Wet
7-8	Trench 29 soil section	NNW	Wet
9-10	Trench 31 soil section	SSW	Wet
11-12	Trench 31 general view	WNW	Wet
13-14	Trench 31 general view	ESE	Wet
15-16	Trench 32 general view	ESE	Wet
17-18	Trench 32 showing clay pipe field drains	NW	Bright
19-20	Trench 33 general view	E	Bright
21-22	Trench 32 showing clay pipe field drains	E	Bright
23-24	Trench 34 general view	SW	Bright
25-26	Trench 35 general view	SW	Bright
27-28	Trench 36 general view	NNW	Bright
29-30	General views of site from Castlelaw Hillfort car park		
31-32	Trench 37 general view	NNW	O/C
33-34	Trench 38 rubble filled drain (38001) and clay pipe field drain	SE	O/C

### Colour Slide Film 5

Shot	Contexts/description	Taken From	Conditions
1-2	Trench 39 general view	SSE	O/C
3-4	Trench 38 general view	SW	O/C
5-6	Trench 40 general view	SW	O/C

7-8	Trench 40, mortared walls (40002 & 40003)	SW	O/C
9-10	Trench 40, mortared walls (40002 & 40003), slightly oblique view	NNE	O/C
11-12	Trench 40, mortared walls (40002 & 40003)	WSW	O/C
13-16	Trench 40, mortared walls (40002 & 40003)	NW	O/C
17-18	Trench 41 general view	SW	O/C
19-20	Trench 40, general view of building location	N	O/C
21-24	Trench 40 extension showing ditch (40008 & 40009) continuing the alignment of the channel between (40002 & 40003)	SW	Bright
25-26	Trench 40, section through ditch (40008 & 40009)	SW	Sunny
27-28	Trench 40 extension general view	NE	Sunny
29-32	Trench 40 NE end of (40002 & 40003) with section through channel showing the fill	NE	Bright
33-34	Trench 40 NE end of (40002 & 40003) with section through channel showing the fill	SE	Bright
35-36	Trench 40 stone patch (40006 & 40007)	NW	Sunny

#### Colour Slide Film 6

Shot	Contexts/description	Taken From	Conditions
1-2	Trench 44 general view	SSE	Bright
3-4	Trench 43 general view	NNW	Bright
5-6	Trench 42 general view	SSE	Bright
7-8	Trench 45 general view	E	Sunny
9-10	Trench 46 general view	SSE	Sunny
11-12	Trench 47 general view	ENE	Sunny
13-14	Trench 40 soil section in trench extension	NW	O/C

#### Digital photographic register

Shot/ JPG No.	Contexts/description	Taken From	Conditions
005	Trench 1 General shot	NNE	Sunny
006	Trench 2 General shot	SW	Sunny
008	Trench 2 SW facing section of trench at NE end showing (2001)-(2003)	SW	Sunny
009	Trench 3 General shot	SE	Sunny
010	Trench 4 General shot	SE	Sunny
011	Trench 5 General shot	NE	Sunny
012	Trench 5 SW facing section of pit [5003]	SW	Sunny
013	Trench 6 General shot	NNW	Sunny
014	Trench 7 General shot	SE	Sunny
015	Trench 8 General shot	N	Sunny
016	Trench 8 W facing section of trench at N end	W	Sunny
017	Trench 8 Linear feature [8004]	S	Sunny
018	Trench 9 General shot	NW	Sunny
019	Trench 10 General shot	SSW	Sunny
020	Trench 10 WNW facing section of linear feature [10004]	NW	Sunny
021	Trench 10 WNW facing section of linear feature [10004]	WNW	Sunny
022	Trench 16 General shot	E	Sunny
023	Trench 15 General shot	E	Sunny
024	Trench 14 General shot	SE	Sunny
025	Trench 13 General shot	WNW	Sunny
026-27	Trench 13 Quarried stone field drain (top left) and plough scores (bottom right) mid trench	NW	Sunny
028	Trench 11 WNW facing section (points A-B) of N-S arm of trench complex showing linear feature [11006] in section	WNW	Cloudy
029	Trench 11 General shot of WNW facing section (points A-B) of N-S arm of trench complex showing linear feature [11006] in section	W	Cloudy
030	Trench 11 General shot of NW-SE trench	W	Cloudy

031	Trench 11 General shot	NNE	Cloudy
032-33	Trench 12 section of furrow [12002]	NW	Overcast
034-35	Trench 12 General shot with relationship to Trench 11 to SE	SW	Overcast
036	Trench 11 NNW facing section (points C-D) of linear feature [11006] ENE-WSW arm	NW	Cloudy
037	Trench 11 NNW facing section (points C-D) of linear feature [11006] ENE-WSW arm, close-up shot	NNW	Cloudy
038	Trench 11 Plan view and section of [11006], ENE-WSW arm	NNW	Cloudy
039	Trench 11 Plan view showing (11011) ENE-WSW arm	ENE	Cloudy
040	Trench 11 close-up view of differential colour of fibrous material (110011)	ENE	Cloudy
041	Trench 17 General view	SSE	Bright
042	Trench 18 General shot	WSW	Bright
043	Trench 19 General shot	NW	Bright
044	Trench 11 ESE facing section of furrow [11007]	ESE	Bright
045	Trench 20 General shot	NE	Overcast
046	Trench 20 SE facing section of furrow [20005]	SE	Bright/shade
047	Trench 21 General shot	S	Bright
048	Trench 11 completed section (points C-D) through [11006]	WNW	Bright
049	Trench 11 close-up shot of completed section (points C-D) through [11006]	WNW	Bright
050	Trench 11 box section 1m x 0.5m, 2m to SSW of [11006]. Shows grey clay overlying orange clay.	WNW	Bright
051	Trench 11 General shot showing box section and [11006]	WNW	Bright
060	Trench 22 General shot	S	Sunny
061	Trench 22 E facing section of trench at S end showing (22001)- (22003)	E	Sunny
062	Trench 22 E facing section through rig and furrow [22004]	E	Sunny
063	Trench 23 General shot	S	Sunny
064	Trench 23 NW facing section of [23004]	NW	Sunny
065	Trench 23 E facing section of [23004]	E	Sunny
066	Trench 24 General shot	E	Sunny
067	Trench 25 General shot	S	Sunny
068	Trench 26 General shot	NW	Sunny
069	Trench 26 view of furrow [26002] with parallel field drain at SE end of trench	NW	Sunny
070	Trench 27 General shot	WSW	Sunny
071-72	Trench 27 example of terminal end of field drains	NNW	Sunny
073-80	General views of backfilled trenches 1-27		
80-85	General views of field 2 pre excavation	Various	Sunny
86	Trench 29 general view	E	O/C
87	Trench 28 general view	SE	O/C
88	Trench 30 general view	NE	Wet
89	Trench 29 soil section	NNW	Wet
90	Trench 31 soil section	SSW	Wet
91	Trench 31 general view	WNW	Wet
92	Trench 31 general view	ESE	Wet
93	Trench 32 general view	ESE	Bright
94	Trench 32 showing clay pipe field drains	NW	Bright
95	Trench 33 general view	E	Bright
96	Trench 32 showing clay pipe field drains	E	Bright
97	Trench 34 general view	SW	Bright
98	Trench 35 general view	SW	Bright
99	Trench 36 general view	NNW	Bright
100-	General views of site from Castlelaw Hill-fort car park	WNW	O/C

103			
104	Trench 37 general view	NNW	O/C
105-106	Trench 38 rubble filled drain ( <b>38001</b> ) and clay pipe field drain	SW	O/C
107	Trench 39 general view	SSE	O/C
108	Trench 38 general view	SW	O/C
109	Trench 40 general view	SW	O/C
110	Trench 30, mortared walls (40002 & 40003)	SW	O/C
111	Trench 40, mortared walls (40002 & 40003), slightly oblique view	NNE	O/C
112	Trench 40, mortared walls (40002 & 40003), slightly oblique view	WSW	O/C
113-114	Trench 40, mortared walls (400002 & 40003), slightly oblique view	NW	O/C
115	Trench 41 general view	SW	O/C
116	Trench 40, general view of building location	N	O/C
117-118	Trench 40 extension showing ditch (40008 & 40009) continuing the alignment of the channel between (40002 & 40003)	SW	Bright
119	Trench 40, section through ditch (40008 & 40009)	SW	Sunny
120	Trench 40 extension general view	NE	Sunny
121-122	Trench 40 NE end of (40002 & 40003) with section through channel showing the fill	NE	Bright
123	Trench 40 NE end of (40002 & 40003) with section through channel showing the fill	SE	Bright
124	Trench 40 stone patch (40006 & 40007)	NW	Sunny
125	Trench 44 general view	SSE	Bright
126	Trench 43 general view	NNW	Sun
127	Trench 42 general view	SSE	Sunny
128	Trench 45 general view	E	Sunny
129	Trench 46 general view	SSE	Sunny
130	Trench 47 general view	ENE	Sunny
131	Trench 40 soil section in trench extension	NW	O/C

## APPENDIX 4: Drawings Register

Drawing No.	Contexts/Description	Section / Plan	Scale
1	Trench 5 SW facing section of possible stone hole containing field clearance cobbles [5003]	S	1:10
2	Trench 5 Post-ex plan of [5003]	P	1:20
3	Trench 10 WNW facing section showing ditch/channel [10004]	S	1:20
4	Trench 11 Plan of Trench complex (3 sheets)	P	1:50
5	Trench 11 WNW facing section through ditch [11006] (points A-B)	S	1:20
6	Trench 11 WNW facing section through ditch [11006] (points C-D)	S	1:20
7	Trench 12 NW facing section of furrow	S	1:20
8	Trench 11 ESE facing section of furrow [11007]	S	1:10
9	Trench 22 E facing section of furrow [22004]	S	1:20
10	Trench 23 NW facing section of drainage ditch [23004]	S	1:20
11	Trench 23 E facing section of drainage ditch [23004]	S	1:20
12	Trench 1 General plan	P	1:200
13	Trench 2 General plan	P	1:200
14	Trench 3 General plan	P	1:200
15	Trench 4 General plan	P	1:200
16	Trench 5 General plan	P	1:200
17	Trench 6 General plan	P	1:200
18	Trench 8 General plan	P	1:200
19	Trench 9 General plan	P	1:200
20	Trench 10 General plan	P	1:200
21	Trench 12 General plan	P	1:100
22	Trench 13 General plan	P	1:200
23	Trench 14 General plan	P	1:200
24	Trench 15 General plan	P	1:200
25	Trench 16 General plan	P	1:200
26	Trench 17 General plan	P	1:200
27	Trench 18 General plan	P	1:200
28	Trench 19 General plan	P	1:200
29	Trench 20 General plan	P	1:200
30	Trench 21 General plan	P	1:200
31	Trench 22 General plan	P	1:200
32	Trench 23 General plan	P	1:200
33	Trench 24 General plan	P	1:200
34	Trench 25 General plan	P	1:200
35	Trench 26 General plan	P	1:200
36	Trench 27 General plan	P	1:200
37	Trench 20 SW facing section of furrow [2005]	S	1:20
38	Trench 28 General plan	P	1:100
39	Trench 29 General plan	P	1:100
40	Trench 30 General plan	P	1:100
41	Trench 31 General plan	P	1:100
42	Trench 32 General plan	P	1:100
43	Trench 33 General plan	P	1:100
44	Trench 34 General plan	P	1:100
45	Trench 35 General plan	P	1:100
46	Trench 36 General plan	P	1:100
47	Trench 37 General plan	P	1:100
48	Trench 38 General plan	P	1:100
49	Trench 39 General plan	P	1:100
50	Trench 38, section showing drains (38001 & 38003)	S	1:10
51	Trench 41 General plan	P	1:100
52	Trench 40 plan of SW end (1-40m)	P	1:100
53	Trench 40 plan of (40002 – 40012) (40-50m)	P	1:20

54	Trench 40 plan, 50-58m	P	1:100
55	Trench 40, 45-46m, section prior to extension	S	1:20
56	Trench 40, section through ditch ( <b>40008 &amp; 40009</b> )	S	1:10
57	Trench 40, section of NE end of wall ( <b>40002 &amp; 40003</b> ) and channel ( <b>40008 &amp; 40009</b> )	S	1:10
58	Trench 40, section through stony patch ( <b>40006 &amp; 40007</b> )	S	1:20
59	Trench 44 General plan	P	1:100

## APPENDIX 5: Finds Quantification

Trench	Context	Find type	No	Wt	Notes
10	10005	bone	1	1	calcined, abraded
11	11004	pot	2	7	SWGW rim, ECRW?
11	11004	glass	1	1	melt droplet of bright turquoise faience?
38	38002	pot	2	39	YELW rim, BRSW
38	38002	CBM	1	174	late brick
38	38004	pot	1	4	REFW
38	38006	glass	1	51	base of 18th/19th c. green bottle
40	40001	pot	2	34	LSRW

Pottery fabrics: YELW – yellow ware; BRSW – British stoneware; REFW – refined factory-made whitewares; LSRW – late slipped redware; SWGW – Scottish white gritty ware; ECRW – East Coast redware

## APPENDIX 6: Discovery and Excavation in Scotland Entry

<b>LOCAL AUTHORITY:</b>	Midlothian
<b>PROJECT TITLE/SITE NAME:</b>	Glencorse Water Treatment Works, Glencorse Mains, Penicuik, Midlothian
<b>PROJECT CODE:</b>	EDWP
<b>PARISH:</b>	Glencorse
<b>NAME OF CONTRIBUTOR:</b>	Ian Suddaby
<b>NAME OF ORGANISATION:</b>	CFA Archaeology Ltd
<b>TYPE(S) OF PROJECT:</b>	Evaluation
<b>NMRS NO(S):</b>	None
<b>SITE/MONUMENT TYPE(S):</b>	Rig and furrow, linear ditch, stone culvert
<b>SIGNIFICANT FINDS:</b>	None
<b>NGR</b> (2 letters, 8 or 10 figures)	NT 2370 6280
<b>START DATE</b> (this season)	July 2008
<b>END DATE</b> (this season)	August 2008
<b>PREVIOUS WORK</b> (incl. <i>DES</i> ref.)	None
<b>MAIN (NARRATIVE) DESCRIPTION:</b> (May include information from other fields)	CFA Archaeology Ltd carried out an evaluation (5%, 5255m <sup>2</sup> ) of the soil storage areas associated with a proposed Water Treatment Works at Glencorse Farm c.2km to the north of Penicuik. The evaluation work took place in two fields. In the first field a ditch was identified which contained carbonised cereal processing remains which was overlain by truncated rig and furrow cultivation. In the second, a stone-built culvert was identified. No other features or deposits of archaeological interest were identified.
<b>PROPOSED FUTURE WORK:</b>	
<b>CAPTION(S) FOR ILLUSTRS:</b>	None
<b>SPONSOR OR FUNDING BODY:</b>	Commissioned by ERM on behalf of Scottish Water
<b>ADDRESS OF MAIN CONTRIBUTOR:</b>	Old Engine House, Eskmills Business Park, Musselburgh, EH21 7PQ
<b>EMAIL ADDRESS:</b>	cfa@cfa-archaeology.co.uk
<b>ARCHIVE LOCATION</b> (intended/deposited)	NMRS/Midlothian SMR



Key:

- Development Area
- Trenches
- Rig & Furrow (NW-SE)
- Other features mentioned in text

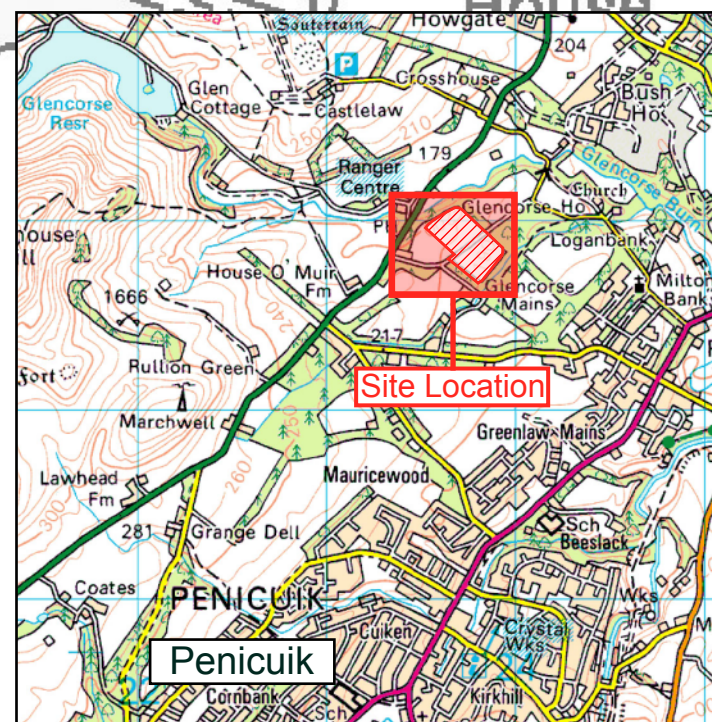
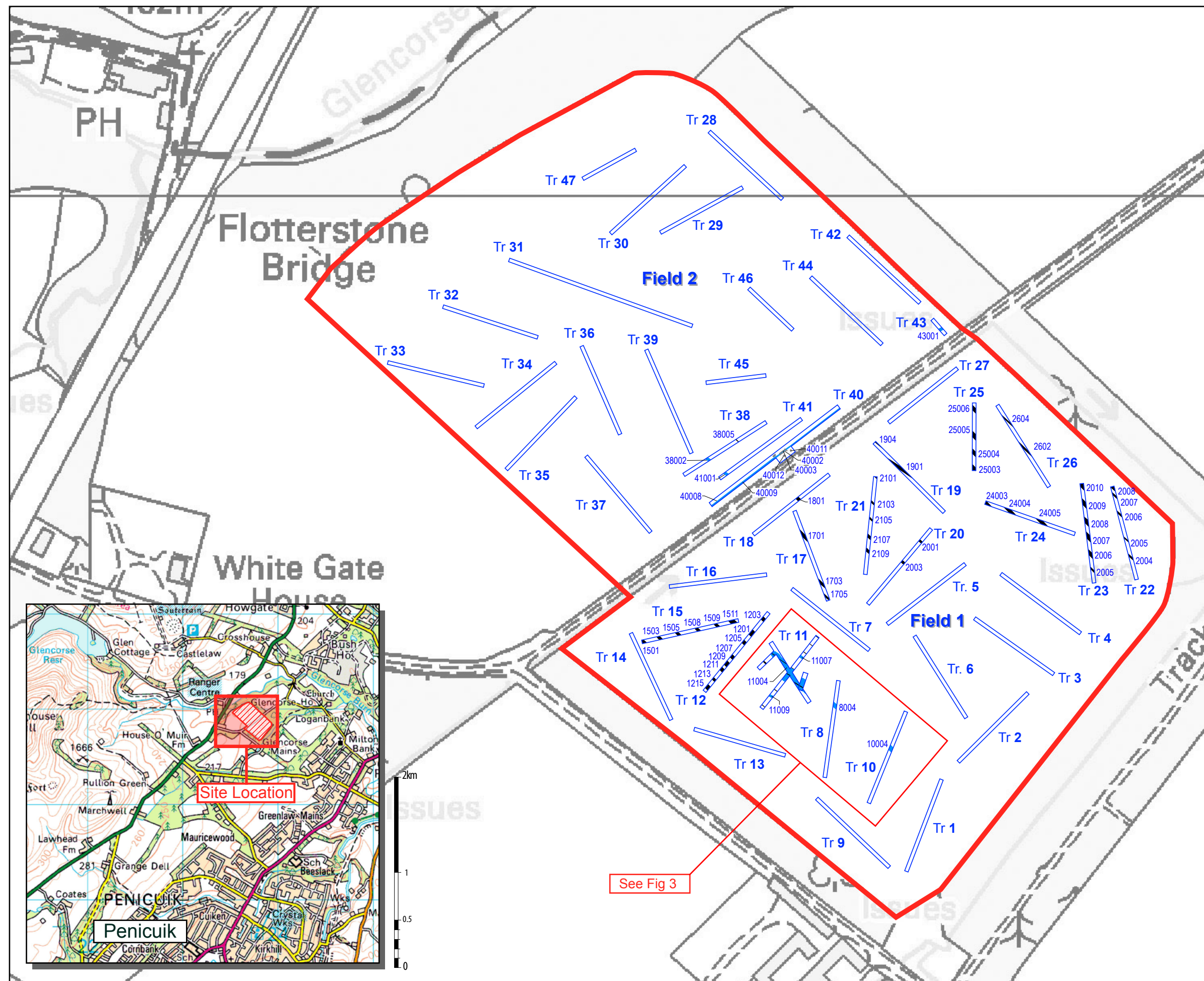





Fig 2 - General view of the site from Castlelaw showing the trenches within sheltering woodland

Key:	Fig. Nos: 2	Revision: A	Client: ERM on behalf of Scottish Water	 <div>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</div>	
	Title:				
	Project:				
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Trench 11

11007

11008

Fig 4

11004

11004

11013

11004

11004

11006

Fig 6

11004

11003

11010

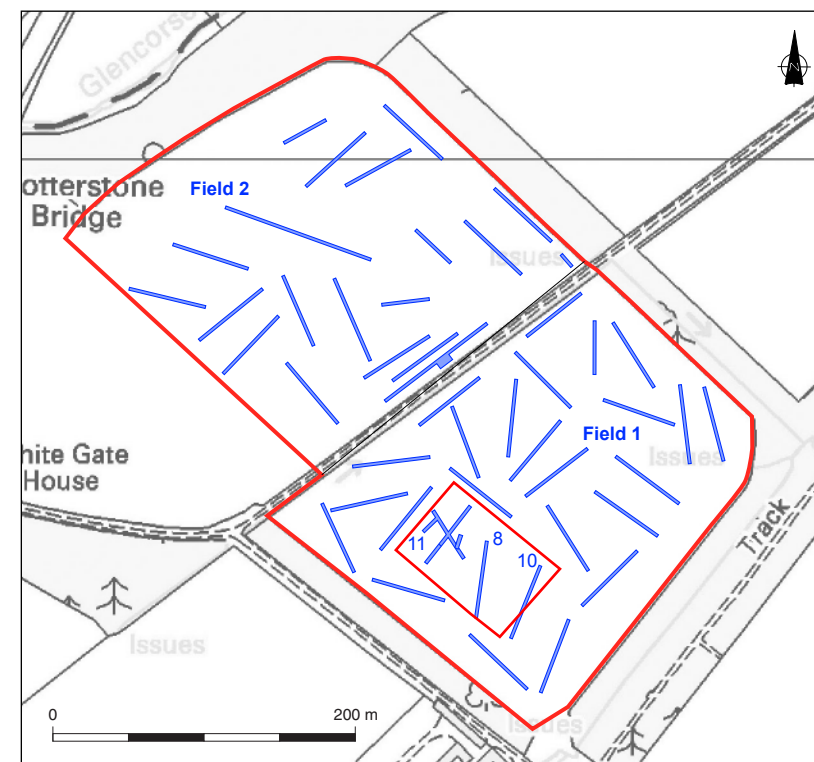
11009

Trench 8

8004

Trench 10

10004



Key:

- Extent of 11004
- Rig & Furrow
- Field Drain

Fig. No:

3

Revision:

A

Title:

Trench Plan with an inset showing the location of the site

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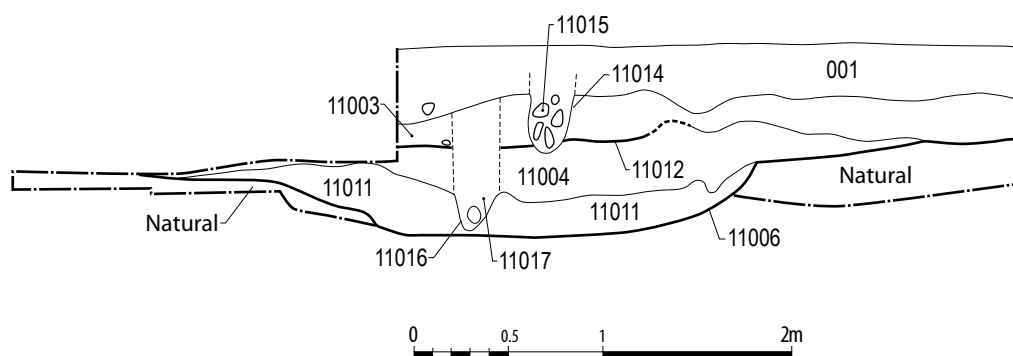


Fig 4 - Section of ditch in Trench 11 and overlying soil deposits



Fig 5 - Trench 11, ditch terminal 11006 and section

Key:

Scale:

Fig. Nos:

4-5

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A

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Fig 6 - Trench 11, plate showing broader and shallower ditch to south-east of terminal

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	Title:								
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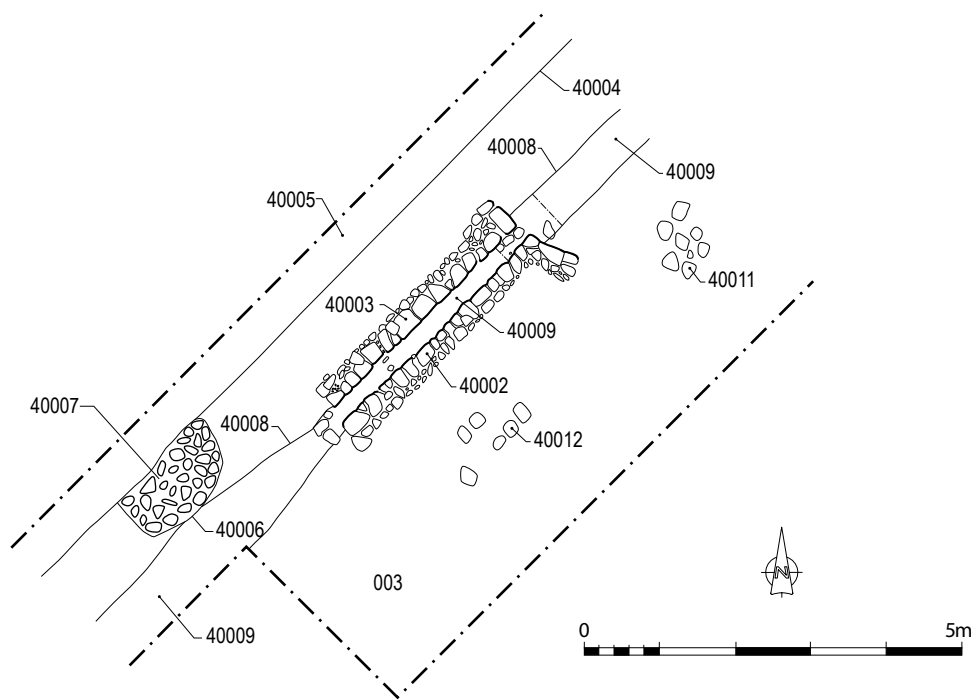



Fig 7 - Plan of stone culvert in Trench 40



Fig 8 - View of stone culvert in Trench 40

Key:	Fig. Nos: 7-8	Revision: A	Client: ERM on behalf of Scottish Water	 <p>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</p>
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