

Inverness Flood Relief Channel Phase 4



Data Structure Report

National Grid Reference

NH 66864 41494 to

NH 68063 41973

06/00787/NIDIN

IFC11-12

Planning Ref

Site Code

RoCAS Report

OASIS No.

Author

Client

Date

2012-15/IFC11-12

rosscrom1-132702

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CONTENTS

List of Figures	2
List of Plates	2
Summary	3
1 Introduction	
1.1 General information	3
1.2 Planning background	3
1.3 Acknowledgements	3
2 Aims and objectives	3
3 Site location, topography and geology	4
4 Archaeological and historical background	6
5 Methodology	
5.1 Desk-based assessment	7
5.2 Watching brief	7
6 Results	
6.1 Desk-based assessment	9
6.2 Watching brief	10
7 Discussion and conclusions	19
8 Recommendations	19
9 References	20
10 Web-based sources	21
Appendix 1 List of Features	22
Appendix 2 List of Finds	24
Appendix 3 List of Contexts	25
Appendix 4 List of Drawings	32
Appendix 5 List of Site Photographs	33

List of Figures

Figure 1	Site location	4
Figure 2	Location of the Phase 4 route and nearby sites of archaeological Importance	6
Figure 3	Location of the archaeological watching brief	8
Figure 4	Location of archaeological features	11
Figure 5	Main area, showing the majority of archaeological features	13
Figure 6	NW-facing section of Feature 9 field drain and NW-facing section of Feature 7 field drain	14
Figure 7	NE-facing section through earth/stone bank, Feature 17, and ditch, Feature 22	15
Figure 8	SE-facing section through Feature 11, amorphous pit/ditch	15
Figure 9	Feature 11, amorphous pit/ditch	16
Figure 10	Feature 12, N-facing section, Feature 13, SW-facing section	17
Figure 11	Plan of pit, Feature 41	17
Figure 12	Plan of Features 12-14, showing ploughmarks, pit and field drain	18

List of Plates

<i>Cover</i>	<i>Facing N: Site compound location in the main area, post clearance; Left inset: scattered glass fragments from topsoil; right inset: scattered pottery fragments from topsoil</i>	
Plate 1	Feature 32 field drain facing NW	12
Plate 2	Features 36 field drain, facing SE	12
Plate 3	Features 48-49 field drains, facing WNW	12
Plate 4	Feature 4, drystone dyke NW-facing section; facing SE	14
Plate 5	Feature 11, amorphous pit/ditch, facing E	16
Plate 6	Feature 11, amorphous pit/ditch, facing NW	16
Plate 7	Ploughmarks, Feature 13, and subrectangular pit, Feature 12, field drain (Feature 14); facing N	17

Summary

This report presents the results of the archaeological watching brief undertaken on behalf of RJ McLeod on the site of Phase 4 of the Inverness Flood Relief Channel development in Culduthel on the southwest side of Inverness. The watching brief was a requirement from the Highland Council Planning Department prior to development of the site. Sixty-four features were recorded, fifty-four of which were field drains. The remaining features consisted of linear, parallel ploughmarks, isolated pits a stone boundary wall and an earth/stone bank and ditch.

1 Introduction

1.1 General information

An archaeological watching brief was undertaken over several weeks in November 2011 and March, April and May 2012 during site clearance and construction work for Phase 4 of the Inverness Flood Relief Channel, located to the south side of Inverness. The work was commissioned by RJ Macleod.

1.2 Planning background

The watching brief requirement arose due to the situation of the development within an area of high archaeological potential. Previous phases of construction for the Southwest Inverness Flood Relief Channel have identified areas of archaeological interest and archaeological sites of national importance have been recently uncovered in locations immediately north and west of the proposed development.

The purpose of the archaeological watching brief was to efficiently record the character, extent, condition and date of any archaeologically significant remains on the site whilst minimising delays and disruption to the development.

1.3 Acknowledgements

Fieldwork was conducted by Mary Peteranna and Lynn Fraser. We would like to thank RJ Macleod for commissioning the work and Steve Scott and Graham MacDonald for their assistance on site. All mapping, unless otherwise stated, is reproduced by permission of Landmark Information Group under RoCAS licence LIG1044.

2 Aims and objectives

The general aim of the archaeological watching brief was to efficiently identify and record any features or finds of archaeological interest during the site clearance, in order to minimise any delays or disruptions to the project and to propose appropriate mitigation in the event that significant features of interest are uncovered¹. The *Scottish Planning Policy 2010* and PAN 2/2011 describe how archaeology should be managed when considering planning decisions and

¹ IfA 2008 (a)

determining conditions for developments that have an impact on the historic environment². The end result of the archaeological watching brief is to make available the records of any archaeological remains found on a site.

The specific objectives were:

- To establish the presence or absence of archaeological remains within the proposed development area
- To remove by hand any overburden in order to expose the archaeological deposits
- To record and excavate all features and recover any artefacts prior to their destruction
- To sample deposits for post-excavation work, including environmental analysis and dating

3 Site location, topography and geology

- 3.1 The development site was located between Ordnance Survey National Grid Reference NH 66864 41494 and NH 68063 41973 south of Inverness. The proposed route runs east-northeastward from Culduthel between Upper and Lower Slackbuie to the Ault Na Skiah burn (Figure 1).
- 3.2 The underlying geology is Devensian glacial till and Middle Old Red Sandstone comprising conglomerate, sandstone, mudstone and siltstone³.
- 3.3 Prior to the watching brief, sections of the proposed flood relief channel had been disturbed during previous development. The western end of the proposed route ran adjacent to a recently built road through the base of a made-up hill below a new housing estate. The southwest central portion of the proposed route ran in between two housing estates and east end of the route ran between Fairways Golf Course to north and recent hydroelectric cable installations and a new housing estate to south (Figure 1).

The east central section was located within grass-covered agricultural land which had been used as both arable ground and, more recently, open pasture.

² The Scottish Government 2010, 2011.

³ BGS 2010

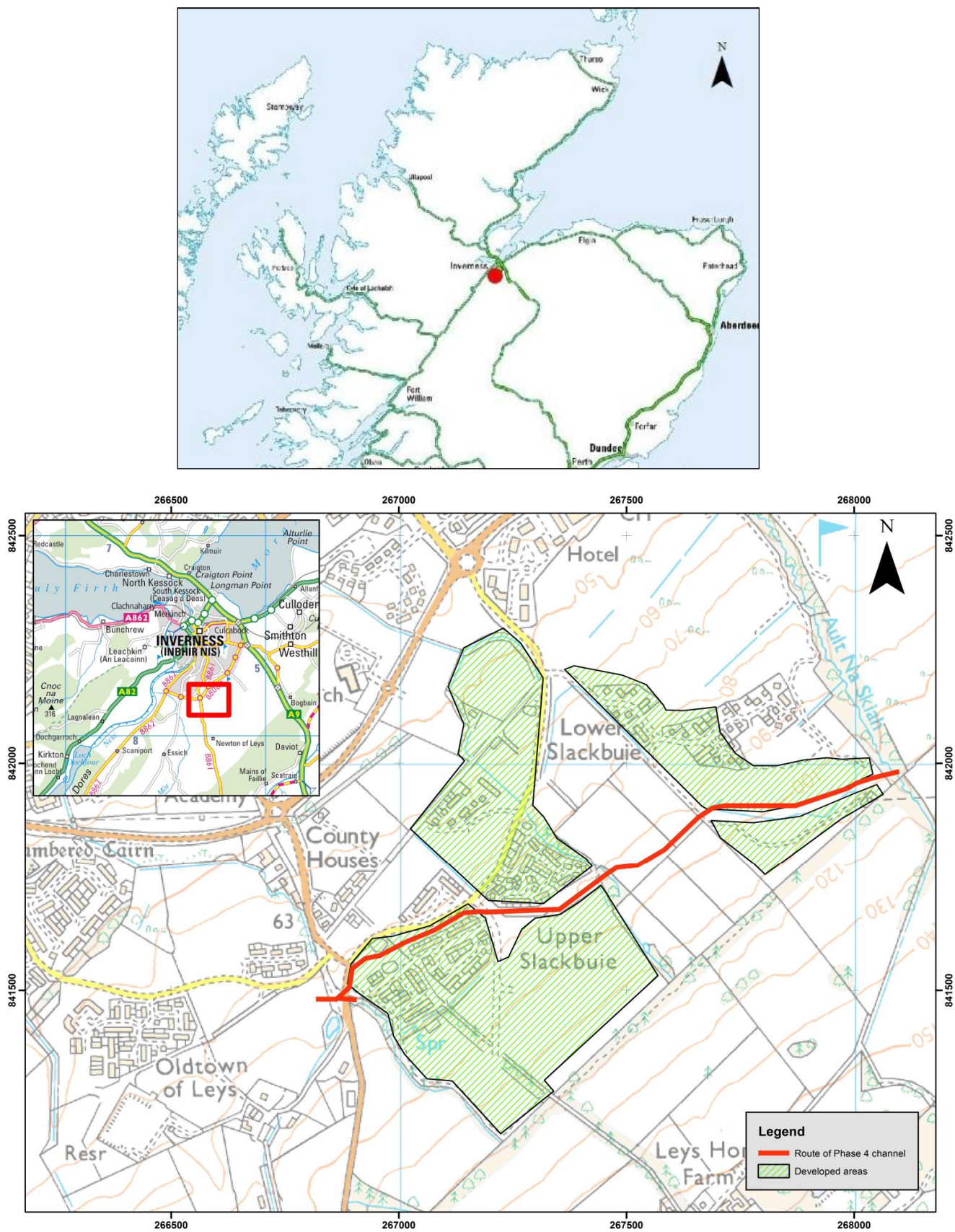


Figure 1 Site location

4 Archaeological and historical background

- 4.1 The proposed development site is of archaeological interest due to its close proximity to extensive known sites of prehistoric age (see Figure 2). An archaeological watching brief conducted during Phase 3 of the Inverness flood relief channel (to the west side of the western end of the Phase 4 channel) uncovered an area containing pits with Neolithic (4000-2500 BC) pottery and stone artefacts⁴. Trial trenching and watching brief evaluations by GUARD ahead of the Phase 3 channel (HHER⁵ No.EHG3100) in 2009 also identified prehistoric features including Iron Age pits and postholes, Neolithic pits and a pit containing material which dated to the Mesolithic period⁶.
- 4.2 In 2006, archaeological evaluations at Culduthel Mains Farm uncovered significant and extensive prehistoric remains to the northwest of the development site. A high status Iron Age settlement and metal-working site (HHER No.MHG49950) contained numerous well-preserved roundhouses, iron-smelting furnaces and associated finds which included glass beads, iron weapons and a Romano-British brooch⁷. Further areas of Bronze Age settlement remains were uncovered in 2007 in Lower Slackbuie to the north of the development area (HHER No.MHG 54071).
- 4.3 A copper alloy mount decorated with a ropework motif was found in very close proximity to the development area in 1996 (HHER No. MHG22290) and Druidtemple cairn and cist are located near the east end of the Phase 4 channel.

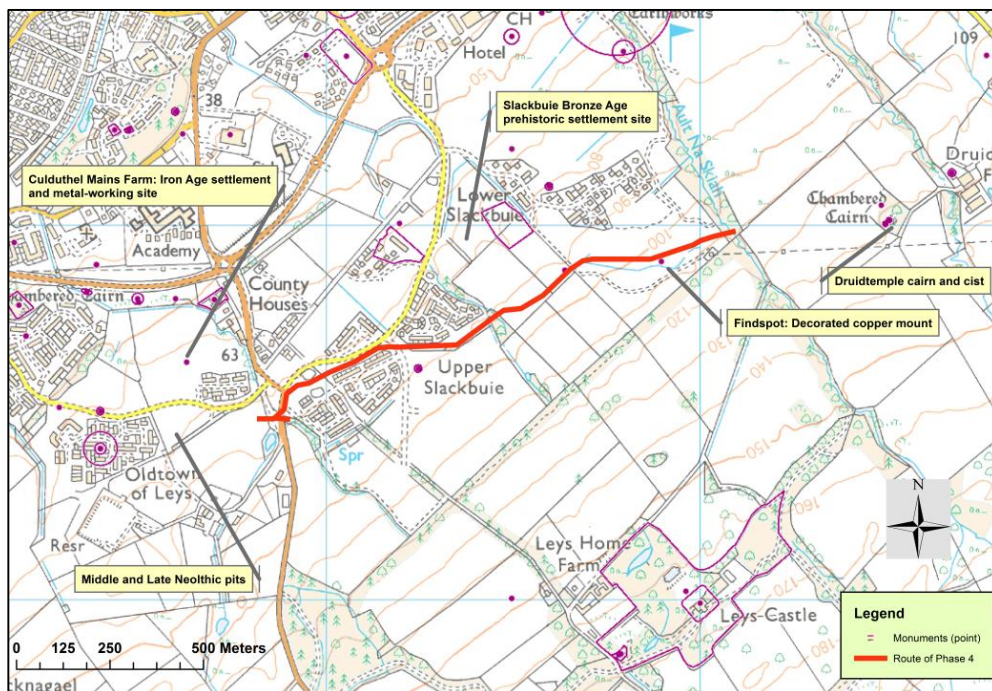


Figure 2 Location of the Phase 4 route and nearby sites of archaeological interest⁸

⁴ Peteranna 2011 (a)

⁵ Highland Historic Environment Record

⁶ Kilpatrick 2011

⁷ Murray 2007

5 Methodology

5.1 Desk-based assessment

The purpose of the desk-based assessment (DBA) is to gain information about the known archaeology or potential for archaeology within a given area or site (including the presence or absence, character and extent, date, integrity, state of preservation and relative quality of the potential archaeological resource), in order to make an assessment of its merit to assist in the formulation of a strategy for further work⁹. The information will also inform the archaeologist of the potential nature of archaeological features to be uncovered during fieldwork.

The DBA was undertaken prior to the fieldwork commencing, and will involve a full check of all available historical and archaeological records, aerial photographs and historical maps using the Highland Historic Environment Record (HER), the Highland Council archives, the National Monuments Record of Scotland (NMRS), Historic Scotland's databases, the National Library of Scotland and any other available records or online resources about the site.

5.2 Site visits

A site visit was conducted prior to the start of the works in May 2011, where it was noted that the proposed Phase 4 flood relief channel would cross through areas which had recently been excavated and developed for the construction of housing, roads and services. The visit enabled a strategy for the efficient and realistic evaluation of the site clearance to be formulated by the archaeologists and contractors. As a result, in some areas, certain sections of the site clearance were not fully supervised by an archaeologist, after they had established, during fieldwork, that topsoil and the underlying subsoil had been disturbed by previous construction work (Figure 3). The development site continued to be visited intermittently by an archaeologist during works in order to re-assess and monitor site clearance in between watching brief phases.

5.3 Watching brief

5.3.1 A Written Scheme of Investigation (WSI) was prepared ahead of the watching brief evaluation, stating that all site groundworks including access roads, compound areas and services would be monitored by an archaeologist¹⁰. However, due to prior disturbance on the site of the channel, site clearance was not fully monitored in some areas (Figure 3). These areas include the west end of the route, where the channel ran through the base of a made-up hill below a new housing estate and the east end of the route where it ran between Fairways Golf Course to north and an area of extensive hydroelectric cable installation where the ground had been previously dug and re-made.

5.3.2 Through the southwest central portion of the proposed route, the channel was dug in between two housing estates where an enormous amount of material had been redeposited in massive spoil heaps over the existing ground surface. One section of this had also been previously dug to subsoil level. Although the site clearance in this section was conducted under archaeological

⁹ IfA 2008 (b)

¹⁰ Peteranna 2011 (b)

supervision, the amount of spoil movement in a narrow channel caused difficulties in recording the site clearance.

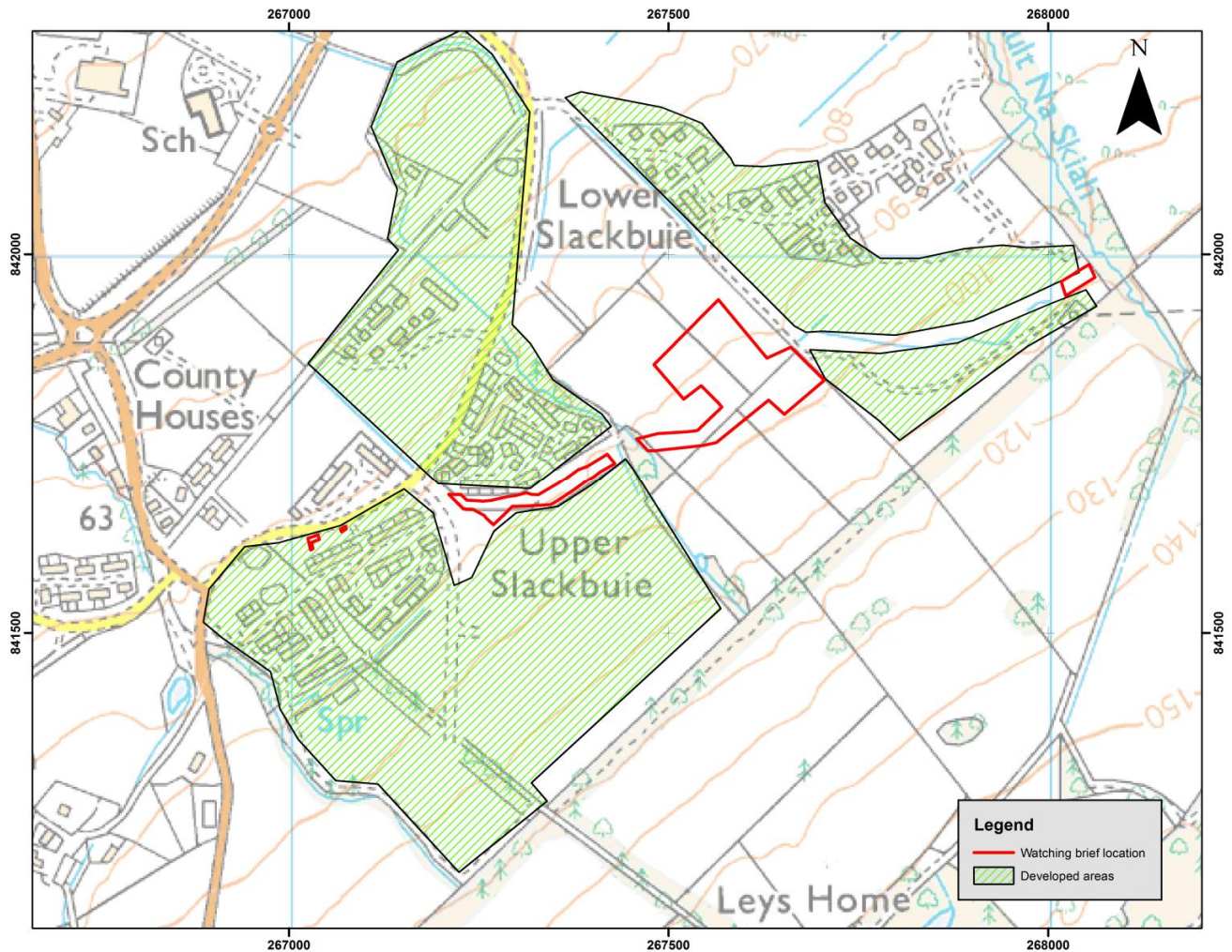


Figure 3 Location of the archaeological watching brief

5.3.2 All features identified were cleaned by hand to establish the date, nature, extent and state of preservation of the deposits. Any features of archaeological interest were half-sectioned and excavated. However, only a select few field drains were half-sectioned in order to characterise the features.

There were no features which required sampling. Archaeological features of interest were drawn at a scale of 1:20 and section drawings were drawn at a scale of 1:10. The site was recorded using high resolution digital photography throughout the watching brief in order to record the evaluation as well as the features of interest.

- 5.3.3** All fieldwork was conducted in accordance with *Institute for Archaeologists* Code of Conduct¹¹ and on-site recording was carried out according to standard IfA procedures¹².
- 5.3.4** The overall location of the watching brief and features were plotted on ArcPad GIS software on a handheld Windows Mobile-based computer using current GPS technology with sub-metre accuracy.

6 Results

6.1 Desk-based assessment

6.1.1 Historical mapping and aerial imagery

Historical mapping was checked at the National Library of Scotland (NLS) online. The 1st Edition Ordnance Survey mapping (*Inverness-shire* (Mainland), Sheet XII, surveyed 1968-70, published 1874) shows the proposed route for the Phase 4 flood relief channel was located between areas of enclosed fields between the two farmsteads at Upper and Lower Slackbuie. No other relevant features are noted on the historical mapping.

Aerial imagery for the site was checked using ESRI background base mapping. No visible features were noted within the area for the proposed Phase 4 route.

6.1.2 Highland Historic Environment Record (HHER)

The Highland Historic Environment Record was consulted online¹³ and the following sites or events were recorded within the proposed channel route or in the surrounding landscape:

MHG54071 NH 67488 41999 Slackbuie, possible prehistoric industrial site

Two areas of pits and postholes were recorded as part of excavations at Slackbuie. At least one roundhouse survived and other probable storage pit, as well as residues from an industrial process such as metal-ore processing. Finds from the site included two worked flint blades, recovered from a pit and posthole within the possible round-house complex. Small quantities of iron slag, two iron objects and hammerscale were recovered from the second area. Sherds of coarse pottery were also recovered from one of the pits. On the basis of these finds, and radiocarbon dating the features are dated to the mid to late Bronze Age to early Iron Age.

EH3100 NH 656 414 NH 675 422 Culduthel, prehistoric pits and postholes

Trial trenching and watching brief evaluations by GUARD ahead of the Phase 3 channel in 2009 identified prehistoric features including Iron Age pits and postholes, Neolithic pits and a pit containing material which dated to the Mesolithic period¹⁴

¹¹ IfA (a), 2008

¹² IfA (c), 2008

¹³ Highland HER, 2012

¹⁴ Kilpatrick 2011

MHG55500 NH 6660 4144 Culduthel, Neolithic pits

An area of pits containing Neolithic pottery and flint tools were uncovered during watching brief conducted during construction of Phase 3 of the SW Inverness Flood Relief Channel.

MHG49950 NH 6663 4162 Culduthel, Iron Age settlement and metal-working site

In 2006, archaeological evaluations at Culduthel Mains Farm uncovered significant and extensive prehistoric remains to the northwest of the development site: a high status Iron Age settlement and metal-working site contained numerous well-preserved roundhouses, iron-smelting furnaces and associated finds which included glass beads, iron weapons and a Romano-British brooch

MHG22290 NH 6790 4190 Castle Heather, findspot

A copper alloy mount decorated with a ropework motif was found in very close proximity to the development area in 1996

MHG32416 NH 67642 41875 Upper Slackbuie, possible cairn

A partially grass-covered clearance cairn was identified at this location; the upper levels of the cairn contained modern rubble and brick fragments

MHG3790 NH 68510 42010 Druidtemple, cairn

A completely denuded Clava-type cairn comprising a kerb of heavy rounded boulders with a diameter of about 40 feet with twenty-eight stones remaining; has a surrounding free-standing circle of stones with 5 stones upright and 5 stones fallen and measures about 75 feet in diameter, set 11 to 14 feet outside the kerb

6.2 Watching brief

There were sixty-four archaeological features uncovered during the watching brief, all of which appear to be related to past agricultural use of the land and most of which were uncovered in the main area of the site where the site compounds were built (Figure 4). The most predominant feature types recorded were field drains. In addition, shallow ploughmarks, one amorphous pit/ditch and two isolated pits were recorded in the main area and a third isolated pit was excavated at the east end of the route.

A drystone dyke bordering the northeast side of the main area had been partially removed prior to the watching brief and an earth/stone bank and ditch (see Figure 4), which was dismantled during the evaluation, was recorded in section drawing.

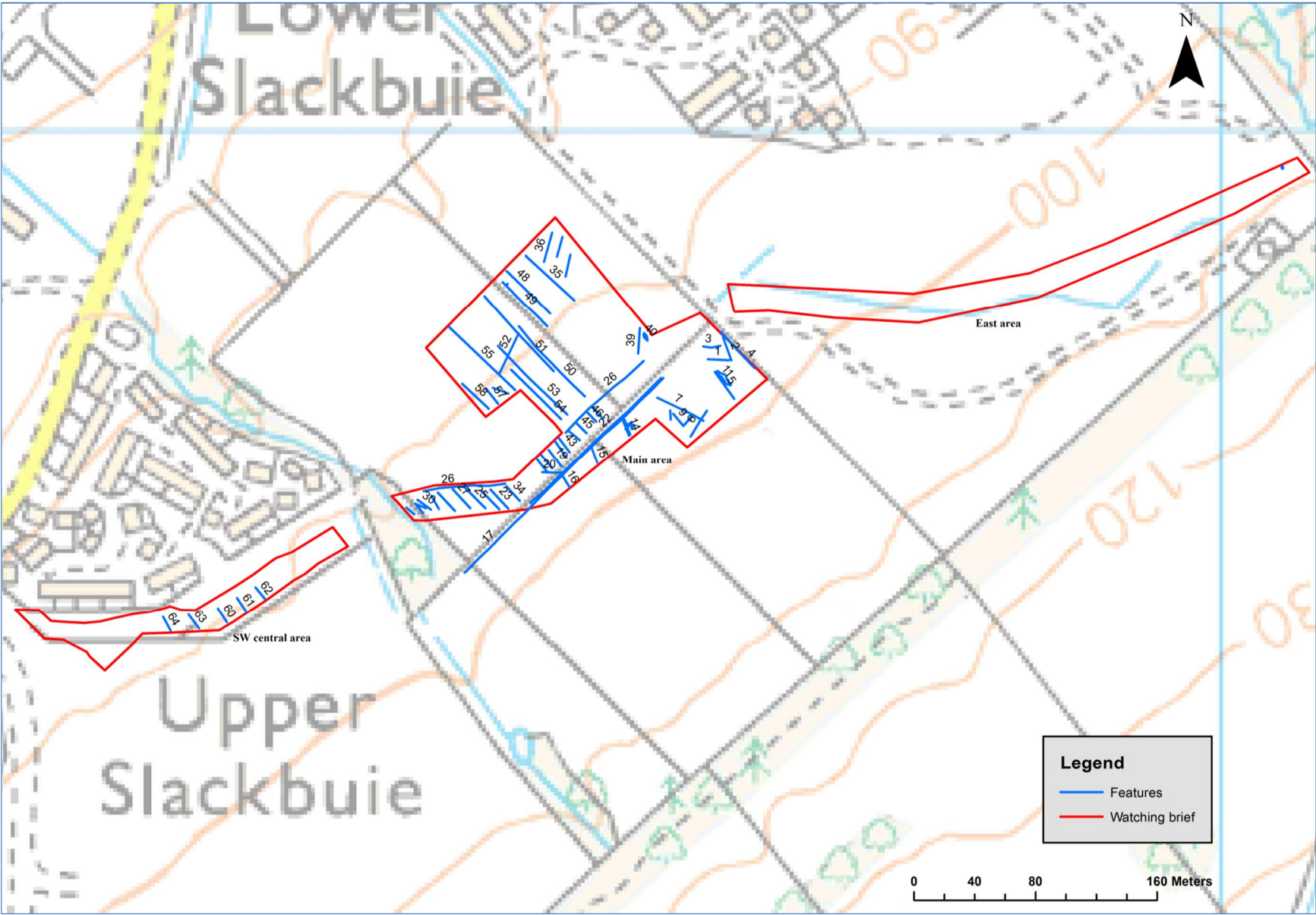


Figure 4 Location of archaeological features

6.2.1 Field drains

A total of fifty-four field drains were recorded during the watching brief, and comprised two main types: soil/stone-filled trenches containing 10cm diameter ceramic pipes and stone-filled trenches. The majority of the field drain trenches measured approximately 0.30m wide and contained ceramic pipes. Most of the field drain trenches were oriented on a NW-SE axis (Figure 5). The stone-filled field drains measured between 0.6-1.1m wide, most of which were 0.9-1.0m wide. In only one case was it recorded that one field drain cut another: Feature 31, a 1.1m-wide stone-filled field drain was cut by Feature 32, a 0.3m wide ceramic pipe field drain. This suggests that the trenches containing orange ceramic pipes post-dated the field drains containing stone fill only.

In many cases, the distinction between gravelly natural subsoil and the gravelly fill of the field drain trenches was difficult to see, and the change was often most visible when a linear change appeared on the surface of the subsoil (Plates 1-3). Several field drain features were half-sectioned (Figure 6) to characterise the trenches, which survived between 0.15-0.45m deep below the surface of the subsoil. Due to the quantity of field drains uncovered, after an adequate characterisation of the field drains of the same type and fill was completed, the contextual details were no longer recorded.



Plates 1-3 Feature 32 field drain facing NW (left), Feature 36 field drain facing SE (centre), Features 48-49 field drains facing WNW (right)

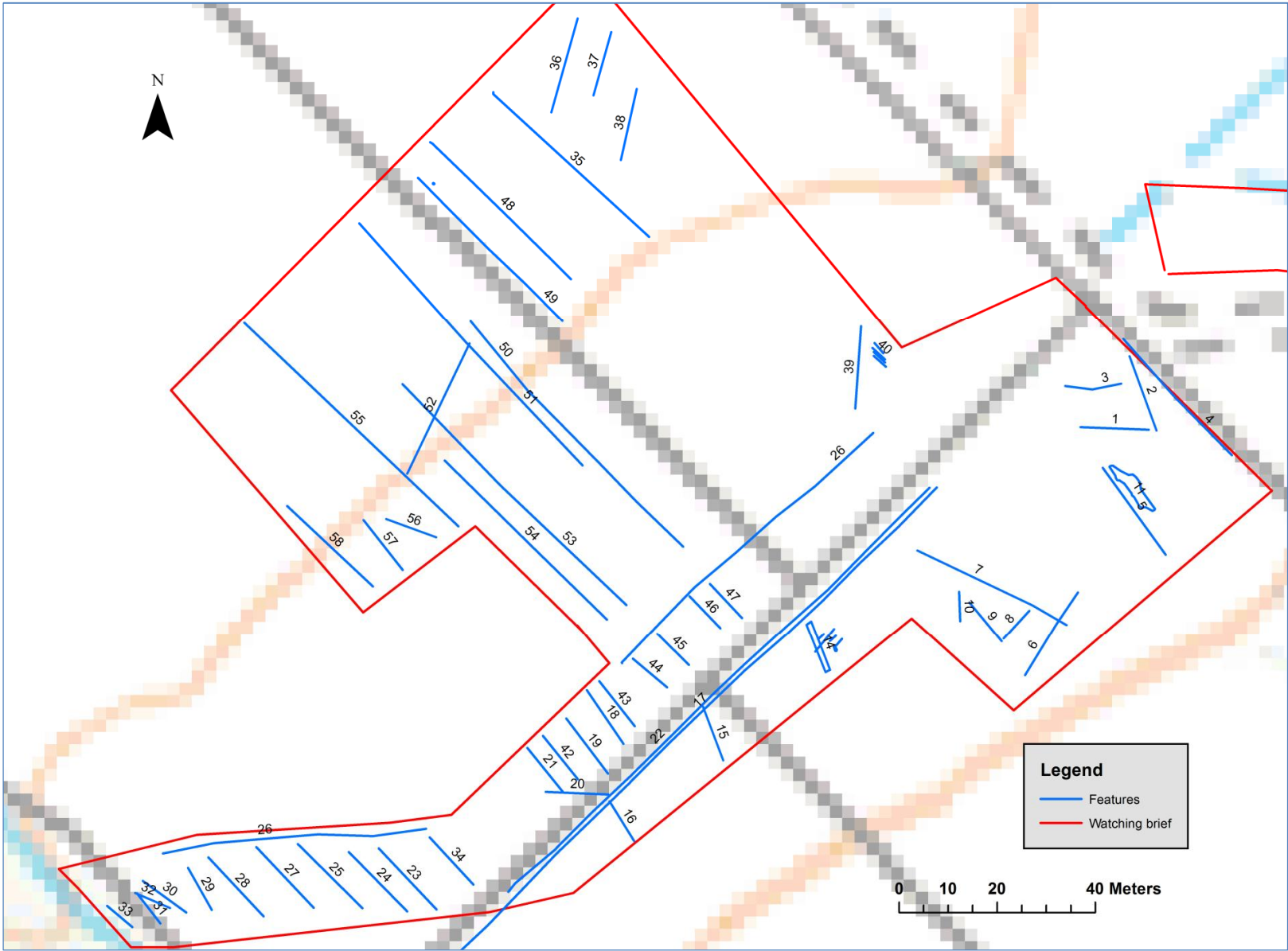


Figure 5 Location of archaeological features in the main area (containing site compounds)

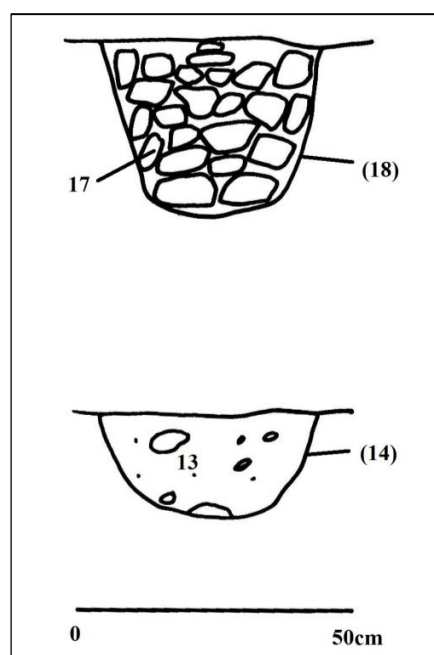


Figure 6 NW-facing section of Feature 9 field drain (top) and NW-facing section of Feature 7 field drain (bottom)

6.2.2 Boundary dyke

A drystone boundary dyke (Feature 4) was partially demolished during construction works, prior to the start of the watching brief. The stone wall, double-faced with rubble core, ran alongside the northeast edge of the main area of the site compound (Figure 7) and comprised medium subangular stones (Plate 4).



Plate 4 Feature 4, drystone dyke NW-facing section; facing SE

6.2.3 Earth / stone bank and ditch

An earth/stone bank (Feature 17) and ditch (Feature 22) crossed through the centre of the flood relief channel main area prior to the start of works. The bank was demolished and the ditch was cleared out during the excavation works to be used for drainage. The bank measured approximately 1.1m high and 1.2m wide and the ditch measures 0.3m wide at its base. It was recorded in section (Figure 7).

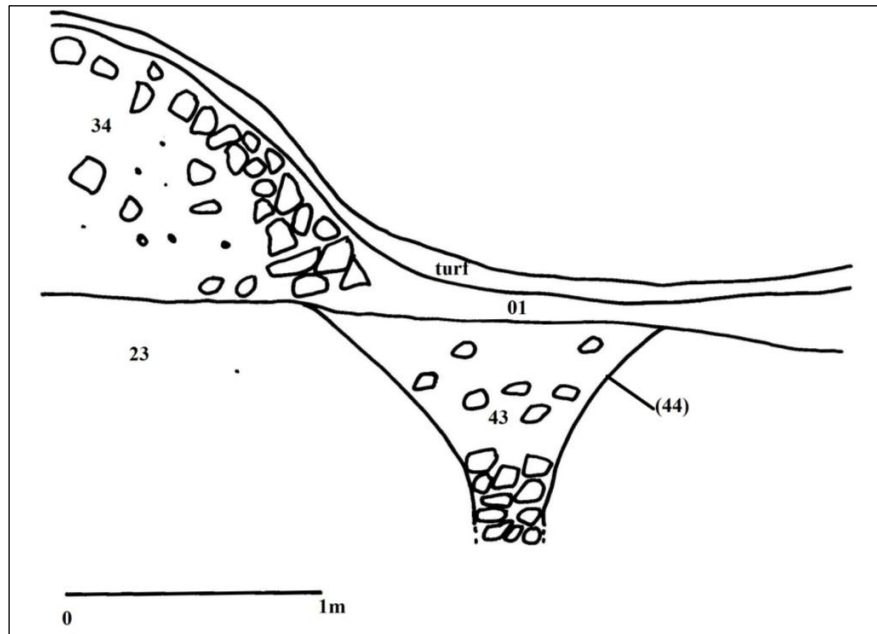


Figure 7 NE-facing section through earth/stone bank, Feature 17, and ditch, Feature 22

6.2.4 Feature 11

An amorphous pit/ditch feature was uncovered in the east corner of the main area below the location for the site compound (Figure 7). The feature appeared as an amorphous dark patch in the subsoil, with scattered patches of charcoal fragments. It was cleaned back and recorded. A slot trench 0.3m wide was excavated through the feature (Figure 8), which measured approximately 12m long and varied between 1-2.5m in width (Figure 9). The depth of the pit/ditch varied between 0.15-0.45m and fill comprised mixed stony soil and subsoil patches, with the scattered charcoal fragments throughout the soil patches. It was interpreted as the remains of a pit resulting from removed burnt vegetation. It was probably cleared during agricultural improvements.

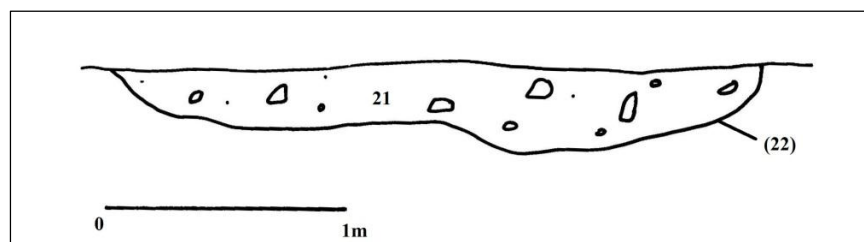


Figure 8 SE-facing section through Feature 11, amorphous pit/ditch



Plates 5-6 Amorphous pit/ditch, facing E (left) and facing NW (right)

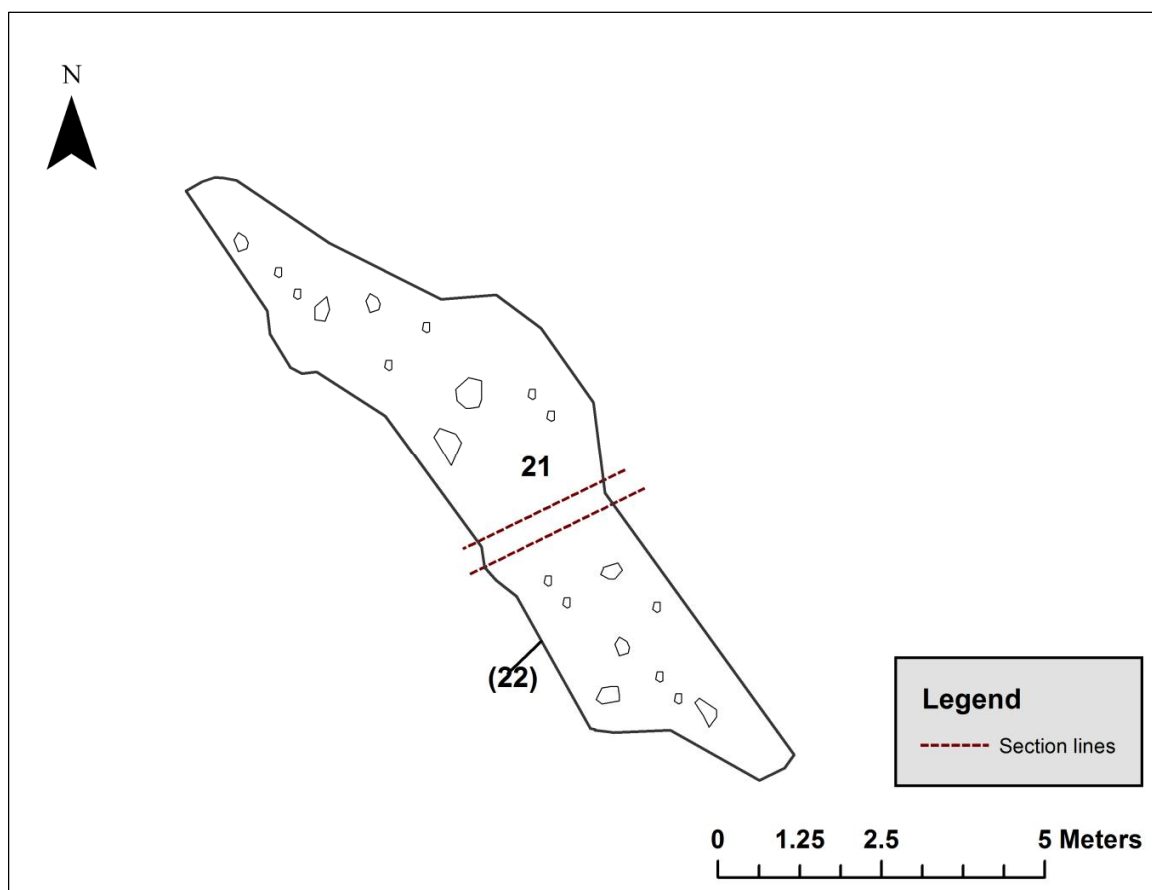


Figure 9 Feature 11, amorphous pit/ditch

6.2.5 Pits of unknown use

Three isolated pits of unknown use were excavated and recorded. They are not considered to be related. Due to their shallow survival, their uses remain inconclusive.

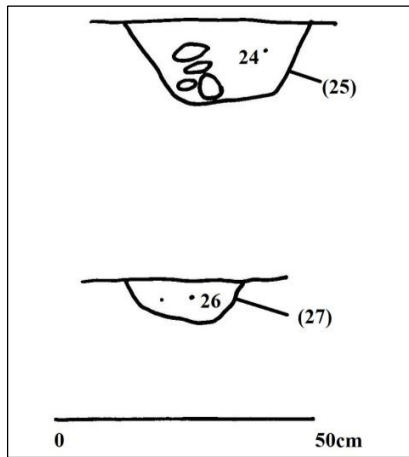


Figure 10 Feature 12, N-facing section (top)
Feature 13, SW-facing section (bottom)

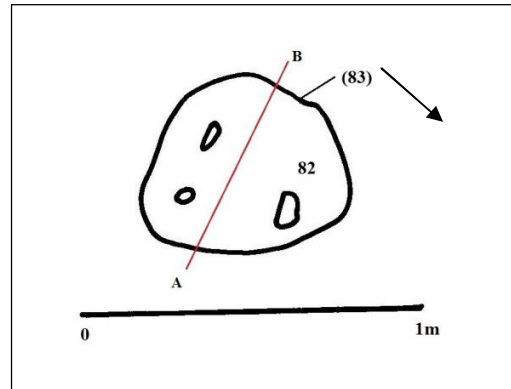


Figure 11 Plan of pit, Feature 41

6.2.5.1 Feature 12 was a subrectangular pit measuring 0.9m long by 0.36m wide. It was half-sectioned to a depth of 0.15m (Figure 10) and contained two fragments of glazed pottery, 1 small fragment of burnt bone and an unknown iron object (SF01-04). The use of the pit is unknown and the small finds in the pit may be residual from redeposited topsoil fill.

The pit was located within a grouping of linear ploughmarks (Feature 13) measuring approximately 0.30m wide each (Plate 7). One ploughmark was half-sectioned to a depth of 0.07m (Figure 10). A stone field drain (Feature 14) cut through and post-dated the ploughmarks (Figure 12).



Plate 7 Ploughmarks, Feature 13, and subrectangular pit, Feature 12 (centre), field drain (Feature 14) to left; facing N

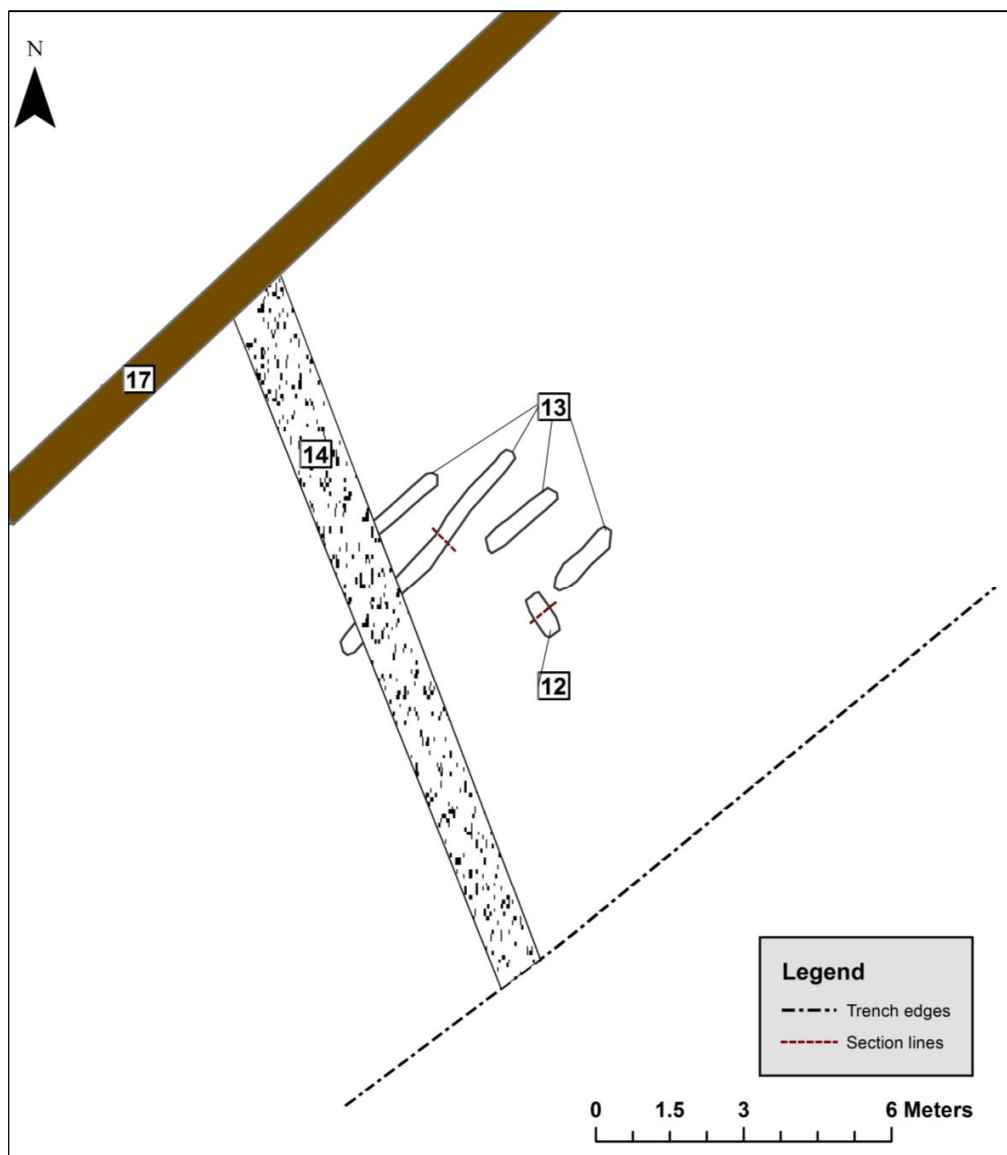


Figure 12 Plan of Features 12-14, showing ploughmarks, pit and field drain

6.2.5.2 Feature **41** (Figure **11**) was a subcircular pit uncovered in the northwest corner of the main area. It contained stony soil fill and measured 0.60m in diameter. It was half-sectioned to a depth of less than 10cm. Its significance and use are unknown.

6.2.5.3 Feature **59**, a suboval pit located at the east end of the flood relief channel, was identified during a site visit. It contained scattered charcoal fragments, gravel and small rootlets. It was half-sectioned to a depth of 10cm and its use and significance are unknown, although it may be a pit left from removed vegetation.

6.2.6 No significant finds were recovered, although a selection of glass and pottery fragments recovered from the topsoil were photographed and are included with the site photographs.

7 Discussion and conclusions

- 7.1** The identification of numerous and multi-period field drainage trenches is not surprising for the site, given the long history of agricultural use. The features were mostly confined to the most level terrace of the development, the main area where the site compounds were located.

The identification of one ceramic pipe field drain cutting a stone field drain does suggest that the stone field drains may have been utilised in an earlier period than the drains with ceramic pipes. However, this was only established in one part of the site, since most of the drains were aligned NW-SE, and is by no means conclusive.

Given the occurrence of stone field drains alongside ceramic pipe field drains, it appears that, when the need arose for more drainage, a new trench was dug to alleviate flooding and the previous drains were left in place.

- 7.2** The remains of linear, parallel ploughmarks uncovered in the main area were also indicative of the long period of agricultural use of the site. The fact that the features survive suggests that the build-up of topsoil was deep enough to preserve the marks, which may have been made some time ago, possibly in the early part of the Post Medieval period.
- 7.3** The other pit/ditch features were isolated and were concluded not to be of significant archaeological interest.

8 Recommendations

No recommendations have been made for further archaeological work during the development, as no further features of archaeological interest have been uncovered.

However, given that the development is located within a landscape dense with very significant archaeological sites, it is recommended that any further work in the surrounding areas should require archaeological monitoring during development.

9 References

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Peteranna, M 2011 (b) *Inverness Flood Alleviation Channel Phase 4: Written Scheme of Investigation*, RoCAS report no. 2011-14/IFC11

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[Http://www.scotland.gov.uk/Resource/Doc/300760/0093908.pdf](http://www.scotland.gov.uk/Resource/Doc/300760/0093908.pdf)

The Scottish Government 2011 *Planning Advice Note 2/2011* (PAN 2/2011): *Planning and Archaeology*. [Http://www.scotland.gov.uk/](http://www.scotland.gov.uk/).

10 Web-Based Sources

British Geological Survey (BGS) 2010 *Digmap625*, downloaded from [Http://bgs.ac.uk](http://bgs.ac.uk)

National Map Library of Scotland – <http://maps.nls.uk>

Appendix 1 List of Features

Feature	Type	Dimensions (m)	Contexts	Comments
1	Field drain	0.30 wide	02, 03	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned E-W
2	Field drain	0.30 wide	04, 05	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned N-S
3	Field drain	0.30 wide	06, 07	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned E-W
4	Dyke		8	Drystone boundary dyke, NW-SE alignment
5	Field drain	1.0 wide	09, 10	Stone/gravel-filled field drain on NW-SE alignment
6	Field drain	0.6 wide	11, 12	Stone-filled field drain on NE-SW alignment
7	Field drain	0.30-0.35 wide, 0.14 deep	13, 14	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned WNW-ESE; cuts Feature 6 field drain
8	Field drain	0.55 wide	15, 16	Gravel/stone-filled field drain with ceramic pipe on NE-SW alignment, ends at Feature 7 field drain
9	Field drain	0.35-0.40 wide, 0.30 deep	17, 18	Stone-filled field drain on NW-SE alignment, ends at Feature 8 field drain
10	Field drain	0.9 wide	19, 20	Stone/cobble-filled field drain on N-S alignment
11	Ditch	2.0 x 12.0	21, 22	Linear amorphous pit or ditch of unknown use-probably left from removal of vegetation/roots during field improvements; aligned NW-SE
12	Pit	0.36 x 0.9, 0.15 deep	24, 25	Suboval pit of unknown use, aligned NNW-SSE
13	Plough-marks	0.30 wide, 0.08 deep	26, 27	Linear ploughmarks, aligned NE-SW; cut by Feature 14 field drain
14	Field drain	0.90 wide	28, 29	Stone-filled field drain, cuts through Feature 13, aligned NW-SE
15	Field drain	0.25 wide	30, 31	Stone-filled field drain, aligned NW-SE
16	Field drain	0.80 wide	32, 33	Stone-filled field drain, aligned NW-SE
17	Bank	1-1.2 wide, 1.1 high	34	Rubble and earth bank located to southeast side of ditch Feature 22; later post & wire fenceline runs across the top of it; aligned NE-SW
18	Field drain	0.25 wide	35, 36	Stone/rubble field drain aligned NW-SE, contains small-medium subangular stone
19	Field drain	0.25 wide	37, 38	Stone/rubble field drain aligned NW-SE, contains small-medium subangular stone
20	Field drain	0.25 wide	39, 40	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned E-W
21	Field drain	0.25 wide	41, 42	Field drain contained small-medium subangular stone/rubble; aligned NW-SE
22	Drainage ditch	1.1 at top, 0.30 at base	43, 44	Ditch containing fill of medium subangular stones at base (30cm wide) and soil/stone upper fill (1.1m wide at top); aligned NE-SW
23	Field drain	0.30 wide	45, 46	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
24	Field drain	0.30 wide	47, 48	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE

Feature	Type	Dimensions (m)	Contexts	Comments
25	Field drain	0.30 wide	49, 50	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
26	Hydro trench	1-1.2 wide	51, 52	Hydroelectric cable trench aligned E-W
27	Field drain	0.30 wide	53, 54	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
28	Field drain	0.30 wide	55, 56	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
29	Field drain	1.10 wide	57, 58	Field drain containing medium subangular rubble/stone; aligned NW-SE
30	Field drain	0.30 wide	59, 60	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
31	Field drain	1.10 wide	61, 62	Field drain containing medium subangular rubble/stone; aligned NW-SE and cut by Feature 32
32	Field drain	0.30 wide	63, 64	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE; cuts Feature 31
33	Field drain	0.30 wide	65, 66	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
34	Field drain	0.30 wide	67, 68	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
35	Field drain	0.30 wide	69, 70	Stone/soil-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
36	Field drain	0.35 wide	71, 72	Stone/soil-filled field drain containing orange ceramic pipe (10cm diameter); aligned NNE-SSW
37	Field drain	0.30 wide	73, 74	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NNE-SSW
38	Field drain	0.35 wide	75, 76	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NNE-SSW
39	Field drain	0.30 wide	77, 78	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned N-S
40	Plough-marks	0.10-0.12 wide	79, 80	Linear ploughmarks aligned NW-SE; separated by 25-40cm and located below 30cm of topsoil with slight mounding between the marks
41	Pit	0.60 diameter	81, 82	Isolated, small subcircular pit of unknown use
42	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
43	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
44	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
45	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
46	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
47	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
48	Field drain	0.30 wide	N/A	Field drain containing medium-large subangular stone fill; aligned NW-SE
49	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE

Feature	Type	Dimensions (m)	Contexts	Comments
50	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
51	Field drain	0.75 wide	N/A	Field drain containing medium-large subangular stone fill; aligned NW-SE
52	Field drain	0.70 wide	N/A	Field drain containing medium-large subangular stone fill; aligned NE-SW
53	Field drain	0.30 wide	N/A	Field drain containing medium-large subangular stone fill; aligned NW-SE
54	Field drain	0.30 wide	N/A	Field drain containing medium-large subangular stone fill; aligned NW-SE
55	Field drain	0.25 wide	N/A	Field drain containing medium-large subangular stone fill; aligned NW-SE
56	Field drain	0.25 wide	N/A	Field drain containing medium-large subangular stone fill; aligned NW-SE
57	Field drain	0.30 wide	N/A	Field drain containing medium-large subangular stone fill; aligned NW-SE
58	Field drain	0.30 wide	N/A	Field drain containing medium-large subangular stone fill; aligned NW-SE
59	Pit	0.7 x 0.9, 0.10 deep	N/A	Isolated, suboval pit of unknown use uncovered at E end of Phase 4 flood relief channel, aligned NNW-SSE
60	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
61	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
62	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
63	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE
64	Field drain	0.30 wide	N/A	Soil/stone-filled field drain containing orange ceramic pipe (10cm diameter); aligned NW-SE

Appendix 2 List of Finds

No.	Type	Description	Context	Feature	Date
01	Fe	1 iron object, unknown type but possible part of metal stake	24	12	22/11/2011
02	Ceramic	1 earthenware sherd, cream glaze inner face, brown-reddish glaze outer face	24	12	22/11/2011
03	Ceramic	1 small fragment of white glazed pot	24	12	22/11/2011
04	Bone	1 x small fragment of burnt bone	24	12	22/11/2011

Appendix 3 List of Contexts

No.	Type	Description	Over	Under	Fill of	Filled by	Cut by	Finds	Feature	Interpretation
01	Deposit	Mid brown gritty stony soil, 0.4-0.6m in depth below turf	Various						-	Topsoil
02	Fill	Light-mid brown clayey soil with 5% small stones and gravel	03	01	03				1	Stone and soil fill of field drain
03	Cut	U-shaped cut with flat base, linear field drain	02	23		02			1	Field drain with ceramic pipe
04	Fill	Light-mid brown clayey soil with 5% small stones and gravel	05	01	05				2	Stone and soil fill of field drain
05	Cut	U-shaped cut with flat base, linear field drain	23	04		04			2	Field drain with ceramic pipe
06	Fill	Light-mid brown clayey soil with 5% small stones and gravel	07	01	07				3	Stone and soil fill of field drain
07	Cut	U-shaped cut with flat base, linear field drain	23	06		06			3	Field drain with ceramic pipe
08	Structure	Drystone-built boundary dyke on NW-SE alignment	01						4	Dyke
09	Fill	Small-medium subangular stones, most compact at base	10	01	10				5	Stone-fill of field drain
10	Cut	Linear, U-shaped cut for field drain	23	09		09			5	Linear cut for field drain
11	Fill	Small-medium subangular stones, most compact at base	12	01	12				6	Stone-fill of field drain
12	Cut	Linear, U-shaped cut for field drain	23	11		11			6	Linear cut for field drain
13	Fill	Light-mid brown clayey soil with 5% small stones and gravel	14	01	14				7	Stone and soil fill of field drain

No.	Type	Description	Over	Under	Fill of	Filled by	Cut by	Finds	Feature	Interpretation
14	Cut	U-shaped cut with flat base, linear field drain	23	13		13		Pot, glass	7	Field drain with ceramic pipe
15	Fill	Gravel and small stones within mid brown clayey soil matrix	16	01	16				8	Gravel/stone fill over ceramic pipe
16	Cut	Linear cut for field drain, ends at Feature 7	23	15		15			8	Linear cut for field drain
17	Fill	Small-medium subangular stones with mid brown clayey soil matrix in upper half; most compact at base	18	01	18				9	Stone and soil fill of field drain
18	Cut	U-shaped cut with flat base, linear field drain	23	17		17			9	Linear cut for field drain
19	Fill	Medium subangular stones and cobbles	20	01	20				10	Stone fill of field drain
20	Cut	Linear cut for field drain	23	19		19			10	Linear cut for field drain
21	Fill	Wet dark brown clayey soil with 5-7% scattered subangular stones and scattered small charcoal fragments throughout fill	22	01	22				11	No finds, burnt soil fill of removed vegetation pit
22	Cut	Linear amorphous cut through subsoil; tapers to NW and SE ends	23	21		21			11	Amorphous cut-probable vegetation root pits
23	Deposit	Pale brown dry stony clay with small-large subangular stones and pockets of wet clay; 15% small gravel throughout		Various					-	Subsoil

No.	Type	Description	Over	Under	Fill of	Filled by	Cut by	Finds	Feature	Interpretation
24	Deposit	Mid brown clayey soil with small subangular stones and some scattered charcoal flecks, pottery fragments	25	01	25			01-04	12	Fill of pit, contained 1 small burnt bone fragment, 2 pot sherds, 1 iron object
25	Cut	Subrectangular cut for pit, 15 cm deep	23	24		24			12	Pit of unknown use
26	Fill	Light-mid brown compact clayey soil with 2% small stones/gravel	27	01	27		29		13	Soily fill of ploughmarks
27	Cut	Linear cuts aligned NE-SW for ploughmarks, 6-9cm deep into subsoil	23	26		26	29		13	Linear cuts for ploughmarks
28	Fill	Medium subangular stones and cobbles with silting at base	29	01	29				14	Stone fill of field drain
29	Cut	Linear cut for field drain	23	28		28			14	Linear cut for field drain
30	Fill	Medium subangular stones and cobbles with silting at base	31	01	31				15	Stone fill of field drain
31	Cut	Linear cut for field drain	23	30		30			15	Linear cut for field drain
32	Fill	Medium subangular stones and cobbles with silting at base	33	01	33				16	Stone fill of field drain
33	Cut	Linear cut for field drain	23	32		32			16	Linear cut for field drain
34	Structure	Medium subangular stones lining NW side of bank comprising stone and mid brown gravelly soil		Turf					17	Stone-earth bank with ditch to NW side

No.	Type	Description	Over	Under	Fill of	Filled by	Cut by	Finds	Feature	Interpretation
35	Fill	Medium subangular stones and cobbles	36	01	36				18	Stone fill of field drain
36	Cut	Linear cut for field drain	23	35		35			18	Linear cut for field drain
37	Fill	Small-medium subangular stones	38	01	38				19	Stone fill of field drain
38	Cut	Linear, U-shaped cut with flat base for field drain	23	37		37			19	Linear cut for field drain
39	Fill	Mid-grey brown clayey soil and small stones	40	01	40				20	Stone and soil fill of field drain over ceramic pipe
40	Cut	Linear, U-shaped cut with flat base for field drain	23	39		39			20	Linear cut for field drain
41	Fill	Small-medium subangular stones	42	01	42				21	Stone fill of field drain
42	Cut	Linear, U-shaped cut with flat base for field drain	23	41		41			21	Linear cut for field drain
43	Fill	Mid brown gravel and medium stones and soil fill of ditch 1.1m wide at top overlying base fill of rubble/stone in ditch 0.3m wide at base	44	Turf	44				22	Build-up of fill over disused ditch with stone-filled base
44	Cut	U-shaped cut with square base, 1.1m wide at top, 0.3m wide at base	23	43		43			22	Drainage ditch at base of bank, Feature 17
45	Fill	Mid-grey brown clayey soil and small stones	46	01	46				23	Stone and soil fill of field drain over ceramic pipe
46	Cut	Linear, U-shaped cut with flat base for field drain	23	45		45			23	Linear cut for field drain

No.	Type	Description	Over	Under	Fill of	Filled by	Cut by	Finds	Feature	Interpretation
47	Fill	Light-mid brown clayey soil with 5% small stones and gravel	48	01	48				24	Stone and soil fill of field drain over ceramic pipe
48	Cut	Linear, U-shaped cut with flat base for field drain	23	47		47			24	Linear cut for field drain
49	Fill	Light-mid brown clayey soil with 5% small stones and gravel	50	01	50				25	Stone and soil fill of field drain over ceramic pipe
50	Cut	Linear, U-shaped cut with flat base for field drain	23	49		49			25	Linear cut for field drain
51	Fill	Mid-dark grey-brown clayey soil and small-medium stones	52	01	52				26	Mixed stone and soil fill of field drain over hydroelectric cable
52	Cut	Linear, wide trench	23	51		51			26	Linear cut for cable trench
53	Fill	Light-mid brown clayey soil with 5% small stones and gravel	54	01	54				27	Stone and soil fill of field drain over ceramic pipe
54	Cut	Linear, U-shaped cut with flat base for field drain	23	53		53			27	Linear cut for field drain
55	Fill	Light-mid brown clayey soil with 5% small stones and gravel	56	01	56				28	Stone and soil fill of field drain over ceramic pipe
56	Cut	Linear, U-shaped cut with flat base for field drain	23	55		55			28	Linear cut for field drain
57	Fill	Medium subangular stones	58	01	58				29	Stone fill of field drain
58	Cut	Linear, U-shaped cut with flat base for field drain	23	57		57			29	Linear cut for field drain
59	Fill	Light-mid brown clayey soil with 5% small stones and gravel	60	01	60				30	Stone and soil fill of field drain over ceramic pipe

No.	Type	Description	Over	Under	Fill of	Filled by	Cut by	Finds	Feature	Interpretation
60	Cut	Linear, U-shaped cut with flat base for field drain	23	59		59			30	Linear cut for field drain
61	Fill	Medium subangular stones	62	01	62				31	Stone fill of field drain
62	Cut	Linear, U-shaped cut with flat base for field drain	23	61		61			31	Linear cut for field drain
63	Fill	Light-mid brown clayey soil with 5% small stones and gravel	64	01	64				32	Stone and soil fill of field drain over ceramic pipe
64	Cut	Linear, U-shaped cut with flat base for field drain	23	63		63			32	Linear cut for field drain
65	Fill	Light-mid brown clayey soil with 5% small stones and gravel	66	01	66				33	Stone and soil fill of field drain over ceramic pipe
66	Cut	Linear, U-shaped cut with flat base for field drain	23	65		65			33	Linear cut for field drain
67	Fill	Light-mid brown clayey soil with 5% small stones and gravel	68	01	68				34	Stone and soil fill of field drain over ceramic pipe
68	Cut	Linear, U-shaped cut w/ flat base for drain	23	67		67			34	Linear cut for field drain
69	Fill	Light-mid brown clayey soil with mostly small stones and gravel	70	01	70				35	Stone and soil fill of field drain over ceramic pipe
70	Cut	Linear, U-shaped cut with flat base for field drain	23	69		69			35	Linear cut for field drain
71	Fill	Light-mid brown clayey soil with mostly small stones and gravel	72	01	72				36	Stone and soil fill of field drain over ceramic pipe
72	Cut	Linear, U-shaped cut with flat base for field drain	23	71		71			36	Linear cut for field drain

No.	Type	Description	Over	Under	Fill of	Filled by	Cut by	Finds	Feature	Interpretation
73	Fill	Light-mid brown clayey soil with 5% small stones and gravel	74	01	74				37	Stone and soil fill of field drain over ceramic pipe
74	Cut	Linear, U-shaped cut with flat base for field drain	23	73		73			37	Linear cut for field drain
75	Fill	Light-mid brown clayey soil with 5% small stones and gravel	76	01	76				38	Stone and soil fill of field drain over ceramic pipe
76	Cut	Linear, U-shaped cut with flat base for field drain	23	75		75			38	Linear cut for field drain
77	Fill	Light-mid brown clayey soil with 5% small stones and gravel	78	01	78				39	Stone and soil fill of field drain over ceramic pipe
78	Cut	Linear, U-shaped cut with flat base for field drain	23	77		77			39	Linear cut for field drain
79	Fill	Dark brown sandy soil with 10% gravel	80	01	80				40	Topsoil fill of plough cuts
80	Cut	7-12cm wide and 3-4cm deep linear cuts for parallel ploughmarks	23	79		79			40	Linear ploughmarks running downhill in field
81	Fill	Compact mid-dark brown loam with small subangular stones and gravel, small roots	82	01	82				41	Fill of pit
82	Cut	Suboval cut for pit	23	81		81			41	Pit of unknown use
83	Fill	Dark brown-black gravelly soil with 5% scattered charcoal fragments	84	01	84				59	Fill of pit
84	Cut	Subcircular pit into subsoil	23	83		83			59	Pit of unknown use

Appendix 4 List of Drawings

No.	Section No.	Scale	Description	Contexts	Feature	Drawn By	Date
1		1:20	Feature 11, post-sectioning	21, 22	11	MKP	15/11/2011
	1	1:10	Feature 9, field drain, NW-facing section	17, 18	9	MKP	15/11/2011
	2	1:10	Feature 7, field drain, NW-facing section	13, 14	7	MKP	15/11/2011
	3	1:20	Feature 11, SE-facing section	21, 22	11	MKP	15/11/2011
2		1:20	Feature 12 pit, pre-ex	24, 25	12	MKP	22/11/2011
	4	1:10	Feature 12, N-facing section through pit	24, 25	12	MKP	22/11/2011
	5	1:10	Feature 13, SW-facing section through ploughmark	26, 27	13	MKP	22/11/2011
3		1:20	Plan of Feature 12 pit, Feature 13 ploughmarks and Feature 14 field drain	24-29	12-14	MKP	22/11/2011
	6	1:20	NE-facing section through field bank and ditch, Features 17 and 22	34, 43, 44	17, 22	MKP	23/11/2011
4		1:20	Subcircular pit, Feature 41, pre-ex	81, 82	41	MKP	24/11/2011

Appendix 5 List of Site Photographs

No.	Direction Facing	Feature No.	Description	Taken By	Date taken
1	S	-	Pre-excavation photo of site	LF	14/11/2011
2	SE	-	Pre-excavation photo of site	LF	14/11/2011
3	SE	4	Stone boundary dyke, Feature 4	LF	14/11/2011
4	NNE	-	Post-stripping of site compound area	LF	14/11/2011
5	N	-	Post-stripping of site compound area	LF	14/11/2011
6	N	-	Post-stripping of site compound area	LF	14/11/2011
7	E	4	Stone boundary dyke, Feature 4	LF	14/11/2011
8	E	4	Stone boundary dyke, Feature 4, after partial demolition by contractors	LF	14/11/2011
9	SE	4	Feature 4 stone boundary dyke, NW-facing wall section	LF	14/11/2011
10	SE	4	Feature 4 stone boundary dyke, NW-facing wall section	LF	14/11/2011
11	NW	40	Plough marks, construction staging area	LF	24/11/2011
12	NW	40	Plough marks, construction staging area	LF	24/11/2011
13	NW	40	Plough marks, construction staging area	LF	24/11/2011
14	NE	40	Plough marks, construction staging area	LF	24/11/2011
15	NE	40	Plough marks, construction staging area	LF	24/11/2011
16	N	34	Feature 34, showing drainage pipe	LF	24/11/2011
17	NW	-	Post-stripping in the construction staging area	LF	24/11/2011
18	NW	32	Feature 32, field drain	LF	24/11/2011
19	N	34	Feature 34, field drain	LF	24/11/2011
20	-	-	Scenic shot	LF	24/11/2011
21	-	-	Scenic shot	LF	24/11/2011
22	NNE	35	Feature 35, field drain	LF	24/11/2011
23	SE	36	Feature 36, field drain	LF	24/11/2011
24	-	-	General site shot	LF	24/11/2011
25	SW	6	Stone field drain, showing junction with field drain Feature 7	MKP	15/11/2011
26	NNW	-	E side of site compound area, post-clearance	MKP	15/11/2011
27	N	-	E side of site compound area, post-clearance	MKP	15/11/2011
28	SE	9	Stone field drain, Feature 9	MKP	15/11/2011
29	S	10	Stone field drain, Feature 10	MKP	15/11/2011
30	N	5	Stone field drain, Feature 5	MKP	15/11/2011
31	E	7	NW-facing section through basal remains of field, ceramic pipe destroyed	MKP	15/11/2011
32	E	7	NW-facing section through basal remains of field, ceramic pipe destroyed	MKP	15/11/2011
33	ESE	9	NW-facing section through stone field drain	MKP	15/11/2011
34	ESE	9	NW-facing section through stone field drain	MKP	15/11/2011
35	NW	11	Feature 11, amorphous pit/ditch-probable remains of root pits from removed and burnt vegetation	MKP	15/11/2011
36	NW	11	Feature 11, amorphous pit/ditch-probable remains of root pits from removed and burnt vegetation	MKP	15/11/2011

IFC11 Data Structure Report: Inverness Flood Relief Channel Phase 4

No.	Direction Facing	Feature No.	Description	Taken By	Date taken
37	N	11	Feature 11, amorphous pit/ditch-probable remains of root pits from removed and burnt vegetation	MKP	15/11/2011
38	E	11	Feature 11, amorphous pit/ditch-probable remains of root pits from removed and burnt vegetation	MKP	15/11/2011
39	NW	11	Feature 11, amorphous pit/ditch-probable remains of root pits from removed and burnt vegetation	MKP	15/11/2011
40	S	11	NW-facing section through Feature 11, low light cause difficulty in photographing	MKP	15/11/2011
41	S	11	NW-facing section through Feature 11, low light cause difficulty in photographing	MKP	15/11/2011
42	ESE	11	NW-facing section through Feature 11, low light cause difficulty in photographing	MKP	15/11/2011
43	E	11	NW-facing section through Feature 11, low light cause difficulty in photographing	MKP	15/11/2011
44	E	11	NW-facing section through Feature 11, low light cause difficulty in photographing	MKP	15/11/2011
45	WSW	-	WSW end of Phase 4 route prior to site clearance and construction	MKP	21/11/2011
46	ENE	-	WSW end of Phase 4 route prior to site clearance and construction	MKP	21/11/2011
47	E	-	WSW end of Phase 4 route prior to site clearance and construction	MKP	21/11/2011
48	WSW	-	WSW end of Phase 4 route prior to site clearance and construction	MKP	21/11/2011
49	SW	-	Location of central portion of Phase 4 flood relief channel between housing estates; prior to site clearance and construction	MKP	21/11/2011
50	SW	-	Location of central portion of Phase 4 flood relief channel between housing estates; prior to site clearance and construction	MKP	21/11/2011
51	N	-	Section of Phase 4 flood relief channel to WSW of site compound prior to site clearance and construction	MKP	21/11/2011
52	NNE	-	Section of Phase 4 flood relief channel to WSW of site compound prior to site clearance and construction	MKP	21/11/2011
53	S	-	Site compound, after site clearance and construction	MKP	22/11/2011
54	W	-	Phase 4 flood relief channel, E end, running along S side of Fairways golf course, prior to site clearance and construction	MKP	22/11/2011
55	W	-	Phase 4 flood relief channel, E end, running along S side of Fairways golf course, prior to site clearance and construction	MKP	22/11/2011
56	NW	-	Vista over E end of flood relief channel, overlooking Fairways	MKP	22/11/2011
57	N	12, 13 14	Ploughmarks, subrectangular pit (centre) and field drain located in main area of site clearance	MKP	22/11/2011
58	NW	14	Ploughmarks, subrectangular pit (centre right) and field drain located in main area of site clearance	MKP	22/11/2011
59	NNW	12, 13 14	Ploughmarks, subrectangular pit (centre) and field drain located in main area of site clearance	MKP	22/11/2011

No.	Direction Facing	Feature No.	Description	Taken By	Date taken
60	NNW	12, 13 14	Ploughmarks, subrectangular pit (centre front) and field drain located in main area of site clearance	MKP	22/11/2011
61	NW	14	Stone field drain, Feature 14	MKP	22/11/2011
62	N	12, 13 14	Ploughmarks, subrectangular pit (centre) and field drain located in main area of site clearance	MKP	22/11/2011
63	NE	12, 14	Ploughmarks and field drain located in main area of site clearance	MKP	22/11/2011
64	E	12	Subrectangular pit, Feature 12, pre-excavation	MKP	22/11/2011
65	N	12	Subrectangular pit, Feature 12, pre-excavation	MKP	22/11/2011
66	E	12	Subrectangular pit, Feature 12, N-facing section	MKP	22/11/2011
67	S	12	Subrectangular pit, Feature 12, N-facing section	MKP	22/11/2011
68	S	12	Subrectangular pit, Feature 12, N-facing section	MKP	22/11/2011
69	N	13, 14	One of the ploughmarks, post-ex, showing W-facing section	MKP	22/11/2011
70	E	13	One of the ploughmarks, post-ex, showing W-facing section	MKP	22/11/2011
71	ENE	-	South side of main section (central, to W of site compound) of flood relief channel, post-site clearance and pre-construction	MKP	22/11/2011
72	ENE	-	South side of main section (central, to W of site compound) of flood relief channel, post-site clearance and pre-construction	MKP	22/11/2011
73	ENE	-	South side of main section (central, to W of site compound) of flood relief channel, post-site clearance and pre-construction	MKP	22/11/2011
74	ENE	-	South side of main section (central, to W of site compound) of flood relief channel, post-site clearance and pre-construction	MKP	22/11/2011
75	ENE	-	South side of main section (central, to W of site compound) of flood relief channel, post-site clearance and pre-construction in area of Feature 15 field drain	MKP	22/11/2011
76	ENE	-	South side of main section (central, to W of site compound) of flood relief channel, post-site clearance and pre-construction in area of Feature 15 field drain	MKP	22/11/2011
77	W	17	E-facing section through Feature 17 stone/earth bank	MKP	23/11/2011
78	W	17	E-facing section through Feature 17 stone/earth bank	MKP	23/11/2011
79	W	17	E-facing section through Feature 17 stone/earth bank	MKP	23/11/2011
80	WSW	22	Ditch, Feature 22, post-clearance of channel	MKP	23/11/2011
81	WSW	22	Ditch, Feature 22, post-clearance of channel	MKP	23/11/2011
82	ENE	22	Ditch, Feature 22, post-clearance of channel	MKP	23/11/2011
83	ENE	22	Ditch, Feature 22, post-clearance of channel	MKP	23/11/2011
84	W	20	Degraded field drain	MKP	23/11/2011
85	WSW	22	ENE-facing section through ditch at W end of channel clearance, showing build-up of turf/soil over ditch fill	MKP	24/11/2011
86	WSW	22	ENE-facing section through ditch at W end of channel clearance, showing build-up of turf/soil over ditch fill	MKP	24/11/2011
87	WSW	22	ENE-facing section through ditch at W end of channel clearance, showing build-up of turf/soil over ditch fill	MKP	24/11/2011

No.	Direction Facing	Feature No.	Description	Taken By	Date taken
88	N	-	S-facing N edge of trench at W end of main clearance section, showing redeposited natural over clayey soil; spoil from earlier construction, probably during hydroelectric cable installation	MKP	24/11/2011
89	N	-	S-facing N edge of trench at W end of main clearance section, showing redeposited natural over clayey soil; spoil from earlier construction, probably during hydroelectric cable installation	MKP	24/11/2011
90	SE	23	Field drain	MKP	24/11/2011
91	SE	24	Field drain	MKP	24/11/2011
92	SE	25	Field drain	MKP	24/11/2011
93	E	23-5	Three field drains	MKP	24/11/2011
94	SE	27	Field drain	MKP	24/11/2011
95	SSE	28	Field drain	MKP	24/11/2011
96	SSE	28	NW-facing section through field drain	MKP	24/11/2011
97	NW	29	Stone field drain	MKP	24/11/2011
98	NW	31, 32	Junction of stone field drain with field drain containing ceramic pipe	MKP	24/11/2011
99	W	-	SW end of main clearance section, on E side of burn	MKP	24/11/2011
100	W	-	SW end of main clearance section, on E side of burn	MKP	24/11/2011
101	E	-	SW end of main clearance section, on E side of burn	MKP	24/11/2011
102	E	-	SW end of main clearance section, on E side of burn	MKP	24/11/2011
103	SE	33	Stone field drain	MKP	24/11/2011
104	-	41	Pit/hole of unknown use, pre-excavation	MKP	25/11/2011
105	-	41	E facing section of pit of unknown use	MKP	25/11/2011
106	WNW	48, 49	N corner of main clearance area, showing linear field drains	MKP	25/11/2011
107	WNW	48, 49	N corner of main clearance area, showing linear field drains	MKP	25/11/2011
108	SE		NW side of main clearance area, during site clearance	MKP	25/11/2011
109	SE		NE side of main clearance area, during site clearance	MKP	25/11/2011
110	NW	53	NW side of main clearance area, during site clearance, showing linear field drain	MKP	25/11/2011
111	NW	53	NW side of main clearance area, during site clearance, showing linear field drain	MKP	25/11/2011
112	NNE	44, 45	N side of flood channel, main clearance area; linear field drains	MKP	25/11/2011
113	NNE	45, 46	N side of flood channel, main clearance area; linear field drains	MKP	25/11/2011
114	NE	46, 47	N side of flood channel, main clearance area; linear field drains	MKP	25/11/2011
115	W	-	E end of Phase 3 flood relief channel after project completion	MKP	21/11/2011
116	NNW	59	Isolated suboval feature containing small charcoal fragments: truncated pit of unknown use or remains of vegetation root hole	MKP	02/03/2012

No.	Direction Facing	Feature No.	Description	Taken By	Date taken
117	NNW	59	Isolated suboval feature containing small charcoal fragments: truncated pit of unknown use or remains of vegetation root hole	MKP	02/03/2012
118	NNW	59	Suboval feature containing small charcoal fragments: truncated pit of unknown use or remains of vegetation root hole; showing SSE-facing section	MKP	02/03/2012
119	ENE	59	Suboval feature containing small charcoal fragments: truncated pit of unknown use or remains of vegetation root hole; showing SSE-facing section	MKP	02/03/2012
120	SSE	-	Culvert around burn, part of flood relief channel between main area and SW central area	MKP	27/04/2012
121	SW	-	Access and start of flood relief channel construction at E end of SW central area	MKP	27/04/2012
122	WSW	-	Looking WSW through SW central area of flood relief channel during site clearance; image shows the enormous amount of pre-existing spoil mounds to be removed (remnants from housing sites to N and S of site)	MKP	27/04/2012
123	NE	-	Site clearance of SW central area in progress, S side of ditch channel, showing significant disturbance	MKP	27/04/2012
124	NE	-	Site clearance of SW central area in progress, S side of ditch channel, showing significant disturbance	MKP	27/04/2012
125	ENE	-	SW end of SW central area following site clearance on S side of ditch (runs through left centre of image)	MKP	27/04/2012
126	WNW	26	SW end of SW central area following site clearance on N side of ditch; area was mostly disturbed-image shows the hydroelectric cable trench (Feature 26) continuation through photo centre	MKP	27/04/2012
127	NNW	-	Previously dug and redeposited material on soil to N side of ditch in the SW central area for flood relief channel	MKP	30/04/2012
128	NNW	-	Previously dug and redeposited material on soil to N side of ditch in the SW central area for flood relief channel	MKP	30/04/2012
129	E	-	Central section of the SW central area post-clearance (S side of ditch); the remnants of the layer of redeposited spoil is visible in the trench edge section along right side of image	MKP	30/04/2012
130	WSW	-	Looking WSW through SW central area of flood relief channel during site clearance; image shows the enormous amount of pre-existing spoil mounds to be removed (remnants from housing sites to N and S of site)	MKP	30/04/2012
131	S	-	Looking across SW central area of flood relief channel, showing the remnants of the layer of redeposited spoil in the trench edge section below Harris fencing	MKP	30/04/2012
132	WSW	-	Checking the made-up ground at W end of Phase 4 flood relief channel; ground has been previously dug and re-made	MKP	02/05/2012
133	ENE	-	Showing location of trenches watched to check for ground conditions during watching brief	MKP	02/05/2012
134	WNW	-	Construction in progress of flood relief channel in progress at W end of Phase 4 flood relief channel	MKP	02/05/2012

No.	Direction Facing	Feature No.	Description	Taken By	Date taken
135	WSW	-	Looking WSW from E end of SW central area of flood relief channel, during construction	MKP	02/05/2012
136	-	-	Scattered glass bottle fragments recovered from topsoil during watching brief of main area week of 22-11-12	MKP	18/08/2012
137	-	-	Scattered pottery fragments recovered from topsoil during watching brief of main area week of 22-11-12	MKP	18/08/2012
138	-	-	Fragment of clay pipe stem recovered from topsoil during watching brief of main area week of 22-11-12	MKP	18/08/2012
139	-	-	Fragment of clay pipe stem recovered from topsoil during watching brief of main area week of 22-11-12	MKP	18/08/2012
140	-	12	SF01- iron object from fill of pit, Feature 12	MKP	18/08/2012
141	-	12	SF01- iron object from fill of pit, Feature 12	MKP	18/08/2012
142	-	12	Cream glazed pot sherd recovered from fill of pit, Feature 12	MKP	18/08/2012
143	-	12	Cream glazed pot sherd recovered from fill of pit, Feature 12	MKP	18/08/2012
144	-	-	Scattered glass bottle fragments recovered from topsoil during watching brief of main site compound week of 14-11-12	MKP	18/08/2012
145	-	-	Scattered pottery fragments recovered from topsoil during watching brief of main site compound week of 14-11-12	MKP	18/08/2012
146	-	-	Scattered pottery fragments recovered from topsoil during watching brief of main site compound week of 14-11-12	MKP	18/08/2012
147	-	-	Scattered pottery fragments recovered from topsoil during watching brief of main site compound week of 14-11-12	MKP	18/08/2012
148	-	-	Glass bottle base from SW central area topsoil 1-4-12	MKP	18/08/2012
149	-	-	Scattered pottery fragments from SW central area topsoil 1-4-12	MKP	18/08/2012
150	-	-	Scattered pottery fragments from SW central area topsoil 1-4-12	MKP	18/08/2012
151	-	-	Scattered pottery fragments recovered from topsoil during watching brief of main site compound week of 14-11-12	MKP	18/08/2012
152	-	-	Scattered pottery fragments recovered from topsoil during watching brief of main site compound week of 14-11-12	MKP	18/08/2012
153	-	-	Scattered pottery fragments recovered from topsoil during watching brief of main site compound week of 14-11-12	MKP	18/08/2012