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Powmyre Quarry, Angus Phase 4

Archaeological Watching Brief and Excavation

Data Structure Report No. 3039

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**Powmyre Quarry, Angus
Phase 4**

**Monitored topsoil strip and
Archaeological Excavation**

Data Structure Report No. 3039

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1. INTRODUCTION

1.1 General

This report presents the results of a monitored topsoil strip and archaeological excavation undertaken by CFA Archaeology Ltd (CFA) at Powmyre Quarry, Angus (NO 3685 5050) during May 2013. The work was commissioned by CgMs Consulting on behalf of Breedon Aggregates.

Planning permission has been granted by Angus Council (03/00691/MIN) subject to a condition requiring that works are accompanied by a programme of archaeological works (monitored topsoil strip).

A Written Scheme of Investigation (WSI) was produced by CgMs Consulting on 03 May 2013 and was approved by Angus Council, prior to the fieldwork.

1.2 Background

Three previous phases of monitored topsoil stripping have been completed by Headland Archaeology: Phase 1, carried out in 3 stages, and Phases 2 and 3 each completed in single stages. This work recorded a variety of archaeological remains cut into geological deposits of sand and gravels, truncated by ploughing and sealed by topsoil.

Features were found to date from the Neolithic to Post-Medieval periods, with varying levels of preservation. The majority of the features were dispersed prehistoric remains, but there were several more intense areas of activity. These comprised groups of features which included pits containing grooved ware pottery, a cist burial, pit alignments, and Late Bronze Age structures. Some early medieval cist burials were also identified and while they appear to have been very badly truncated, some of them contained well preserved skeletons. A possible kiln remains undated but was interpreted as probably medieval because of the associated palaeoenvironmental remains.

1.3 Objectives

The project's aims and objectives were, in general, to mitigate and offset adverse effects on historic environment assets. Specifically, it was:

- To monitor topsoil stripping in advance of extraction and identify any archaeological features that would be damaged or destroyed by the development.
- To undertake archaeological recording where necessary of any archaeological features or finds identified.

2. METHODS

2.1 General

CFA follows the Institute for Archaeologists' Standards and Guidance and Code of Conduct.

2.2 Monitored Topsoil Strip and Excavation

An area of approximately 2.57 ha was stripped to expose the clean surface of geological deposits during Phase 4. All ground-breaking work was undertaken by a machine equipped with a flat bladed ditching bucket and monitored by an archaeologist. All excavation of archaeological features and deposits was undertaken using hand tools.

Following discoveries made during the controlled strip, the extent of further excavation work was agreed with Angus Council to a strategy prepared by CgMs Consulting.

All excavation and on-site recording was carried out according to standard CFA procedures, principally by drawing, by photography and by completing standard CFA record forms. The positions of trenches were recorded using industry standard GPS equipment.

3. ARCHAEOLOGICAL RESULTS

3.1 General

Numbers in bold refer to contexts, a full list of which is contained in Appendix 1 and which also contains detailed descriptions and measurements of contexts. Other site records form Appendices 2-4. The finds are quantified and allocated spot-dates in Appendix 5, and discussed further in Section 3.3. An assessment of palaeoenvironmental samples is presented in Section 3.4.

3.2 Phase 4 features (Fig. 2)

An area of 2.57 ha was stripped to geological deposits during Phase 4 (Fig. 1). The stripped area lay on the north and north-east-facing slope of a small hill; the hill was roughly flat topped, at 70m AOD, sloping down to 64m AOD, with a flat area beyond the break of slope to the north.

The topsoil was a dark brown slightly red silty loam measuring 0.75m thick at the SW corner of the stripped area decreasing to 0.14m along the SE edge, and increasing to over 1m deep downslope on the NW side. A mid-light reddish grey-brown silt subsoil was variable and not always present across the site. Where the subsoil was visible it was generally 0.15m deep; decreasing to 0.04m deep on the crest of the hill.

Eight groups of features were identified as well as a scattering of discrete features, a single ditch and a palaeochannel. The southern end, and in particular the eastern arm of the area, were subject to disturbance evidenced by cultivation furrows, modern features and bioturbation

3.2.1 Timber Structure and Pit (fig 3)

The north end of the area contained a number of discrete feature groups which seem to represent a single phase of prehistoric activity. This is suggested by both the date of the pottery and a predominant north-west to south-east alignment of the features. A palaeochannel and an undated ditch lay to the north of this activity. There were no other features in the immediate surrounding area.

Two broadly parallel east-west alignments of postholes (**127, 128, 130, 135, 149, 151** and **153**) and to the south (**137, 142, 146, 155, 157, 161**) were identified. Most of the postholes were sub-square to rounded and of varying dimensions with the largest postholes in the centre of the northern alignment opposite a large pit (**165**) (Fig. 9). One of these posts contained a post pipe (**130**) and **149** with its highly rectangular shape may have been re-cut. No dating evidence was recovered from any of the postholes though **128** contained fragments of burnt bone. The postholes are interpreted as the truncated remains of a rectangular timber structure.

Pit **165** contained two distinct areas of *in situ* burning separated by a layer of orange clayey silt (**168, 170**). The lower layer (**190**) contained Early to Mid Neolithic pottery, daub, carbonised hazelnut and cereal grains including barley. The clayey silt above is thought to represent a deliberate infilling of the pit immediately following an episode of use as it was heat reddened. A thin layer of burning above this deposit (**169**) was

interpreted as representing continuing use of the pit. Eventually the pit became infilled with a dark brown sandy silt containing boulders and large stones. On the basis of its association with heating/burning and the remains of carbonised plant remains the pit is interpreted as a feature used for cooking associated with the timber structure.

3.2.2 *Western Pit Group (Fig. 3)*

This group consisted of eight discrete pits forming no coherent pattern (**095, 097, 099, 105, 112, 114, 101**) and two possible postholes (**109** and **123**). Most of the pits contained Early to Middle Neolithic pot fragments, occasional lithic debitage and fire reddened rocks (Fig. 8 and 11); two samples analysed from pits **095** and **105** also revealed high concentrations of hazelnut shells.

3.2.3 *Eastern Pit Group (Fig. 3)*

This group comprised three pits (**184, 185, 186**) located to the SE of the features discussed above. No pottery was recovered from the pits but they were similar in size and shape to the western pit group. Their function remains unclear.

3.2.4 *Palaeochannel and Ditch (Fig. 3)*

At the extreme northern end of the area were two features: a ditch (**132**) and a palaeochannel (**036**) associated with a prominent north-facing slope.

The palaeochannel was located in an area of flat land between two opposing slopes/hills, one of which is the aforementioned north-facing slope. A black sandy silt deposit with a high organic content was found built up against the slope which implies vegetation grew at the edge of the flat ground/base of the slope. This suggests that the area on either side of the palaeochannel was at one time waterlogged and may have been marshy. The palaeochannel could only be partially exposed as it ran under and along the northern extent of excavation and a soil bund. Where fully exposed it measured 5m wide with gently sloping sides and a depth of over 1.5m (the full depth could not be identified as its base lay below the water table). Barbed wire present in one of the fills suggested that this watercourse was only recently infilled.

A curvilinear ditch (**132**) was revealed directly north of the prehistoric pits and structure (Fig. 7). Topographically, it forms a continuation of the natural north-facing slope, which flattens towards the east. Two fills were present, the lower (**133**) reflecting a natural accumulation of substrate in the base of the ditch as it lay open, and the upper one (**148**) was a later infill or accumulation of topsoil. The shallowness of the ditch and the nature of its secondary fill suggests it was truncated by farming activities, perhaps in antiquity. Given that the ditch continues a natural slope it seems likely that it served as a boundary ditch.

3.2.5 *Grooved Ware Pits and Hearth (Fig. 2)*

A small group of three pits (**077, 089, 081**), two burnt areas (**053, 085**) and two smaller features (**083, 086**) was identified in the south-west of the area, and north-east of a later 8-post structure. They formed no coherent pattern.

The pits were sub-circular to sub-square in plan with flat bases and fills that contained a variety of artefacts including fragments of Grooved Ware pottery, flint debitage, carbonised hazelnut shell and birch charcoal (Fig. 5). A flint scraper was also recovered from **077**.

North-east of the pits was a spread of charcoal rich silt **085** interpreted as an area of *in situ* burning. This appeared to be associated with a posthole **083** which lay beside it, and a rectangular slot **086** which it sealed. Nearby was a black silty sand **053** containing frequent charcoal and carbonised cereal remains interpreted as another area of burning or possible hearth.

3.2.6 8-post structure (Fig. 2)

On the crest of the hill at the west end of the site, a group of postholes was found (Fig. 4) comprising **020, 224, 026, 028, 069, 071, 073, 075**. Overall the group measured c. 2.5m by 6.6m. Most of the postholes were circular averaging c. 0.3m diameter and nearly all contained large packing stones. Though a small amount of carbonised plantain seed was recovered during environmental sampling, no carbonised grain, charcoal suitable for dating or any finds were revealed. An angled scoop-shaped feature (**022**) found inside the structure may or may not be contemporary. The group is interpreted as the truncated remains of a timber structure, comprising 8 posts.

A solitary pit (**093**) was found some 9m to the east of this structure.

3.2.7 Double pit/post group (Fig. 2)

In the centre of the site were two small pits or large postholes (**054, 056**) which contained no dating evidence. The pits are probably related to each other and given their shape and location they are likely to be prehistoric in origin.

3.2.8 Corn drying kiln and circular feature (Fig. 2)

South of the farmstead of Cranford (see below) a large pear-shaped feature was uncovered (**107**) (Fig. 6) and nearby a large circular flat-bottomed feature (**196**), both contained large quantities of charcoal. Pit **107** comprised a bowl cut deeply into sand and gravel and into a layer of sandstone which showed signs of scorching. A shallow channel extended to the east of the main bowl. Because of its shape and association with charcoal and *in situ* burning, this feature has been interpreted as a corn drying kiln.

The second feature (**196**) was a circular cut of similar size but with vertical sides and a flat base.

3.2.9 Remains relating to Cranford (Fig. 2)

The farmstead known as Cranford was formerly located in the middle of the Phase 4 area and is known to have been demolished in the late 20th century. Soil stripping in this area revealed a number of modern pits and depressions (**208, 214, 220, 222, 224**).

3.2.10 Isolated Features (Fig. 2)

Several isolated features were recorded. These included a small pit containing burnt bone at the south end of the stripped area (**004**), two very shallow pits (**040, 120**) and a pit containing angular stone (**216**). None of the features could be dated though **216** may be associated with the farmstead of Cranford.

3.2.11 Post-medieval Rig-and-Furrow and Modern Disturbance (Fig. 2)

Thirteen furrows were identified with a probable fourteenth (**012**) between Furrows 3 and 4. All thirteen were aligned SW-NE, with very slight discrepancies in angle (Fig. 12). They survived to a depth of 0.03-0.26m, 0.5-2.7m wide and 11-96m in length. The variable measurements should be taken as an indication of the variability of truncation across the site caused by more recent ploughing.

Furrow **012** is more loosely described as a linear feature. Its orientation differs from the rest of the furrows on an E-W alignment, though was still fairly substantial in size.

All of these features were filled by a grey-brown silt with some gravel inclusions, and some containing large stones. 19th century white glazed pottery was noted within Furrow 6.

North of Furrow 3 was an area of much disturbance from vegetation and modern farming, evidenced by root hollows and pits containing straw. Throughout the site there were also isolated features identified as tree throws.

3.3 Finds, by Melanie Johnson

A summary quantification is presented in Table 1 below, and a full quantification by context is provided as Appendix 5.

Find type	No.	Wt (g)
Animal bone	1	1
Charcoal	4	2
Lithics	15	174
Pottery	1007	8796

Table 1. Finds quantification

A small assemblage of struck lithics was recovered, including both flint and quartz as a raw material, and a flint scraper was recovered from pit **077**.

A substantial quantity of prehistoric pottery was recovered. Two different wares are represented within the assemblage: Early Neolithic Carinated Bowl and Middle-Late Neolithic Grooved Ware.

A number of pits produced pottery belonging to the Carinated Bowl tradition: these are **095, 097, 099, 105, 101, 112, 114, and 165**. The sherds recovered included rims, plain body sherds and carinations, with one carination from **099** exhibiting a lug. The fabrics are fine and heavily gritted, with well finished surfaces, typical of the period.

Traditional Carinated Bowl pottery belongs within an early 4th millennium BC context along with the introduction of farming and the inception of the Neolithic period, and Sheridan (2007) dates the appearance and use of this pottery to c.3950-3700 BC in northern Britain. The characteristics of 'traditional' Carinated Bowl pottery are described by Sheridan (2002, 2007) and comprise principally carinated and S-profiled bowls, uncarinated bowls and cups, and collared jars. Lugs and decoration are absent, apart from occasional fingertip fluting.

Sheridan (2007) notes that regional variants of Carinated Bowl pottery develop fairly early on (known as 'modified' Carinated Bowl) and in some instances their associated radiocarbon dates are indistinguishable from 'traditional' Carinated Bowl, though there is evidence to suggest modified CB continued in use until at least c3600 BC. In Scotland, the 'North-East Style' variant is found across Aberdeenshire and Moray and into Caithness. Other parts of Scotland also see a 'modified' variant develop from traditional CB.

The presence of a lug at Powmyre suggests there is some modification within the assemblage and that it therefore likely belongs to the period 3700-3600 BC.

Assemblages of Early Neolithic pottery are found in a small range of contexts (Sheridan 2007), which often includes groups of pits, for example at Kintore, Dubton Farm, Ratho, and Easterton of Roseisle. Other contexts include timber halls and smaller timber structures presumed to be residential houses, mortuary structures such as long barrows and mortuary enclosures, and other monuments distinctive to the period such as cursuses. In the north-east, there is an association with cairns and barrows, such as at Boghead, East Finncery, Atherb and Midtown of Pitglassie.

Two pits (077 and 089) produced Grooved Ware pottery, weighing 2774g. A number of rim and base sherds are included, and the decoration comprises grooved geometric patterns with some cordons present. The rims are simple rounded forms. The fabrics are coarser and thicker than the Carinated Bowl, but still with well finished surfaces, and tend to be fired to a paler colour.

Grooved Ware is generally accepted to be a Middle-Late Neolithic ware current in Scotland from approximately 3100 BC to 2400 BC (Ashmore 1998; Brindley 1999). The ware is generally agreed to have originated in Orkney before rapidly spreading south across Scotland and the rest of the UK. Many of the well known and best studied assemblages in Scotland are from sites such as Links of Noltland and Pool on Orkney, Biggar Common, South Lanarkshire, and Balfarg, Fife. Grooved Ware is found in both domestic and non-domestic settings: the former tends to be pits, apart from in the Northern Isles, while the latter includes henges, stone circles, timber settings and circles, and occasional chambered tombs in secondary contexts. At Powmyre, the context would appear to be a domestic one.

3.4 Sample Assessment, by Mhairi Hastie

Fifty-six bulk soil samples, ranging in volume from 3 to 20 litres, were retained during the excavation for the analysis of palaeoenvironmental remains. A sub-sample of these (12 samples), deemed representative of the overall deposits found on site, were processed through a flotation tank. The floating debris (flot) was collected in a

250 μ m sieve and, once dry, scanned using a binocular microscope ($\times 10$ - $\times 200$ mag.). The material remaining in the tank was sieved through a 1mm mesh and then sorted for any archaeological significant material.

The results are summarised in Tables 2-4.

3.4.1 Results

Cereal grain: Carbonised cereal grain were recovered from four samples, the fills of a possible hearth **053**, and three pits **095**, **107** and **165**; the largest concentration of grain was recovered from pit **107**. The bulk of the grain was identified as barley (*Hordeum* sp.), although several grains of oat (*Avena* sp.) and one of wheat (*Triticum* sp.) were also recovered. The grains were generally abraded and none could be identified further than species level. The presence of cereal grain within the samples does suggest some crop processing or food preparation being carried out on site. Barley was the main cultivar during the prehistoric period in Scotland. The cereal assemblage recovered from the site would be in keeping with the Neolithic date suggested by the pottery.

Weed seeds: The charred remains of a seed of ribwort (*Plantago lanceolata*) was present in the fill of posthole **024** and one grass seed (Gramineae indet) was found in pit **107**. These species are both common in grassland areas and may have been brought to the site adhered to clothing or shoes, becoming accidentally charred on the hearth.

Hazelnut shell: Large concentrations of hazelnut shell were found in two samples, fills of pit **095** and posthole **105**. Occasional nutshell fragments were also present in a hearth fill **053**, posthole **128** and pit **165**. The nutshell was generally well-preserved. Hazelnuts have been recovered from many prehistoric and later Scottish sites: the nuts were probably collected as a source of fuel and the shells discarded with other domestic rubbish onto the fire, although it is possible that the nutshell was being used as a deliberate fuel which produces a hot flame (Mithen *et al* 2000).

Wood charcoal: All of the samples contained some wood charcoal. In most cases this comprised plate-like fragments of oak (*Quercus* sp.), with small amounts of non-oak (i.e. birch/hazel) round wood. The samples containing round wood would be best suited for AMS dating (see recommendations below).

Finds Small quantities of prehistoric pottery were recovered from the residues (Table 4).

3.4.2 Suitability for AMS Dating

Identification of charcoal fragments and cereal grains would be required prior to submission for dating.

- Large concentrations of generally well-preserved hazelnut shell and/or carbonised cereal grains suitable for AMS dating were recovered from five samples:
 - Sample 25 – posthole (or pit) **105** – Hazelnut shell
 - Sample 26 – pit **095** – Hazelnut shell
 - Sample 30 – pit **107** – Carbonised cereal grain
 - Sample 54 – pit **165** – Hazelnut shell

- Large enough fragments of well-preserved non-oak round wood suitable for AMS dating were recovered from four of the samples:
 - Sample 25 – posthole (or pit) **105**
 - Sample 26 – pit **095**
 - Sample 30 – pit **107**
 - Sample 54 – pit **165**

Table 2. Composition of carbonised plant remains within the flots

Sample number	Fill number	Cut number	Feature	Flot vol (ml)	Cereal grain		Weed seeds		Hazelnut shell	Charcoal		Heather Charcoal	Cinders	Comments
					Qty	Id.	Qty	Id.		Qty	AMS			
3	053	-	Poss. hearth deposit	20	4	1 x cf. wheat (<i>Triticum</i> sp.) 3 x cereal indet.			1	++				oak charcoal plate-like frags.
5	021	020	Post pipe	10						+			+	oak charcoal plate-like frags.
6	025	024	Post hole	20			1	ribwort (<i>Plantago lanceolata</i>)		+			+	oak charcoal plate-like frags.
15	085	-	Poss. hearth deposit	30						+++				oak charcoal plate-like frags.
18	087	086	Pit	10						+			+	tiny fragments of oak charcoal
20	090	089	Pit	<10						+			+	mostly oak charcoal; occasional small fragments of cf. birch
25	106	105	Post hole (or pit)	50					58	++++	*		+	Small round wood fragments
26	096	095	Pit	30	4	4 x cereal indet.			160	+++	*		+	Small round wood fragments
30	108	107	Pit	100	89	83 x barley (<i>Hordeum</i> sp.) 3 x oat (<i>Avena</i> sp.) 3 x cf. oat (<i>Avena</i> sp.)	1	Grass (Gramineae indet.)		++++	*	+++	+	Small round wood fragments
35	129	128	Post hole	50					3	++++			+	oak charcoal plate-like frags.
41	143	142	Post hole	10						+			++	tiny fragments of oak charcoal
54	190	165	Pit	20	2	1 x barley (<i>Hordeum</i> sp.) 1 x cereal indet.			23	++	*			Small round wood fragments

Key: + = rare, ++ = occasional, +++ = common and ++++ = abundant
 * = sufficiently large enough fragments of charcoal for AMS dating
 cf. = tentative identification

Table 3. Carbonised plant remains noted in the retents

Sample number	Fill number	Cut number	Feature	Hazelnut Shell	Charcoal
25	106	105	Post hole (or pit)		*
26	096	095	Pit	*	
30	108	107	Pit		*
35	129	128	Post hole	*	*
41	143	142	Post hole		*
54	190	165	Pit	*	*

Key: * = presence of plant remains

Table 4. Summary of sorted residues

Sample No.	Context No.	Trench/ Area	Wet Sieving			Artefacts From Retent								
			1R	1F	Vol (l)	Sterile	Charcoal	Cereal Grains	Nutshell	Bone	Burnt Bone	Pottery	Modern Pottery	
3	053		1	1	8	x								
5	21		1	1	8	x								
6	25		1	1	8	x								
15	085		1	1	10									x
18	087		1	1	10	x								
20	090		1	1	10							x		
25	106		1	1	8		x					x		
26	096		1	1	5				x			x		
30	108		1	1	10		x							
35	129		1	1	10		x		x					
41	143		1	1	10		x							
54	190		1	1	10		x		x					

4. DISCUSSION

4.1 *Early to Middle Neolithic activity*

The timber structure at the north end of the site can probably be ascribed to the Early to Middle Neolithic period based on its association with hearth **165**, which contained Carinated Bowl pottery. The northern wall of the structure is defined by postholes **127, 128, 130, 135, 149, 151** and **153** but there are three possibilities for the southern side of the structure. The first is that postholes **142, 146** and **161** formed a southern wall so that the hearth lay inside the structure. A second possibility is that **137, 155** and **157** formed the wall, which is structurally more convincing as these features can be paired with postholes in the N wall. However, the latter interpretation would mean that the hearth post-dates the structure. A third option is that **137, 155** and **157** stood as internal posts taking the weight of the south side of the structure; in this interpretation **142, 146** and **161** would form an 'aisle' attached to the south side of the building. Overall the structure can be taken to incorporate an area measuring 8m by 4.5m. The lower deposits in pit **165** are domestic in nature and appeared to have slowly built up over time, presumably from cooking activities inside the building.

The pottery assemblage within the pits to the west (**095, 097, 099, 105, 112, 114, 101, 109** and **123**) is contemporary with that contained within hearth **165**, suggesting they are contemporary with the timber structure. The fills of these pits appear to have been deposited as single events, and there may be some significance in their rough linear arrangement. In this period the palaeochannel may have carried water and could have been a water supply for the settlement. Both ditch **132** and the natural north-facing slope to the south appear to form the northern boundary for the prehistoric activity in this area, though no finds were found within the ditch which can conclusively prove such an association. The narrow curvilinear enclosure gullies found in Phase 3 (Masser 2010, 7) are not thought to be related to **132**, which is much wider.

In terms of size, the timber structure appears to be too small to represent the remains of a Neolithic timber hall such as those found at Claish, Warren Field or Lockerbie, which are much longer though of a similar widths. However, it remains a possibility that the east and west ends of the structure at Powmyre have been destroyed by ploughing.

Neolithic remains have been found in two earlier phases at Powmyre: a linear arrangement of 15 irregularly spaced pits in Phase 1 (Bailey 2012, 42) containing fragments of hemispherical bowls and a double pit alignment from Phase 3 (Masser 2010, 7). None of these features were interpreted as structures, though the pottery, carbonised cereal and hazelnuts represent a broadly similar assemblage to the current phase.

4.2 *Late Neolithic remains*

A small group of pits and burnt areas were identified to the south-west, on the top of the hill. These pits contained a variety of artefacts including fragments of Grooved Ware pottery, flint debitage, a flint scraper, carbonised hazelnut shell and birch charcoal; the Grooved Ware pottery dates to roughly the first half of the third millennium BC. No other excavated features within the stripped area contained

Grooved Ware pottery and so this period of activity seems to be confined to this part of the site.

Taken together the remains in this area seem to reflect domestic rather than ritual activity in the form of rubbish pits and cereal processing. It therefore seems possible that Late Neolithic dwellings or activity areas were located here. The lack of any evidence for structures is to be expected from this period though the presence of the two cut features around burnt area **186** is interesting and could possibly reflect a light superstructure around an area used for burning.

4.3 Late Bronze Age structure

The 8-post structure is not considered to have any association with the Grooved Ware pits located nearby. Instead the structure is likely to belong to a later phase of activity in the Late Bronze Age. This date is largely based on the discovery of an 8-post structure of similar dimensions (6m x 3.5m) found close to Late Bronze Age roundhouses in the Phase 1 area (Bailey 2012, 44). Eight and four post structures from this period have generally been interpreted as agricultural structures for storing grain or hay rather than having a domestic function. With this in mind, it is worth noting that the position of the structure on the crest of a hill would have been a good windy location that would have kept the building and its contents dry.

4.4 Medieval / Post-medieval Kiln

The shape of feature **107** is consistent with a corn drying kiln, the bowl acting as the main fire pit and the channel providing a means of raking out the ash and inserting fuel, or acting as a flue. A suspended platform would have been situated above the fire pit onto which grain was spread.

Interpretation of this feature as a kiln is supported by the environmental sampling which revealed a high concentration of carbonised barley as well as oat grains in the fill. The large blocks of stone noted in the fill were probably once part of the main structure of the kiln which fell into the pit during abandonment. A kiln of similar size, though much better lined in stone, was found in Phase 3 (Masser 2010, 11). The location of the kiln close to the farmstead of Cranford and the charred grain assemblage suggest a Medieval to Post-Medieval date. Feature **196**, given its location and size, was probably also associated with agricultural processing though its precise function remains unclear.

4.5 Rig-and-Furrow Cultivation

Cultivation furrows have been found on all other Phases at Powmyre and relate to Medieval or Post-medieval farming. The lack of furrows to the north of phase 4 likely reflects the increasing depth of topsoil on the downward slope of the hill rather than a lack of cultivation in this area.

4.6 The Farmstead of Cranford

The features revealed close to the site of Cranford were plotted on the 2nd edition OS map (Fig. 3). This showed that two of the rectangular pits (**214, 208**) were possibly

formerly located within a wall enclosing the main farmstead, and that two modern pits may relate to the farmstead structure itself. To the east the L-shaped feature (220) and features 222 and 224 appear to correspond to an access track and yard (see Fig 3.).

5. CONCLUSION

A programme of works was carried out to mitigate the effects associated with the Phase 4 extension at Powmyre Quarry.

The discovery of an Early-Middle Neolithic domestic structure is arguably the most important find from this phase and has important wider significance for our understanding of this period. More generally though most of the features and assemblages revealed have parallels with earlier phases of work and complement the overall understanding of occupation at Powmyre.

This report represents the interim report specified in the WSI (Section 10). It is concluded that the archaeological remains deriving from this programme of work are of sufficient significance to merit full post-excavation analysis and the publication of results in an appropriate professional journal. As stated in the WSI the preferred option is to combine reporting of phases.

A summary statement of the results of this evaluation will be submitted for publication in *Discovery and Excavation in Scotland* (Appendix 6).

The project archive, comprising all CFA record sheets, maps and reports, will be deposited with the Royal Commission on the Ancient and Historic Monuments of Scotland (RCAHMS) on completion of all phases of work and copies of reports will be lodged with the Aberdeenshire Council Sites and Monuments Record.

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2nd edition 25 inch OS map

APPENDIX 1: Context Register

Context no.	Fill of	Description
001	-	Topsoil: Dark-brown slightly red silty loam.
002	-	Subsoil: Mid to light reddish grey brown silt.
003	-	Natural: Ginger brown mixed sands and gravels, occ stones and boulders
004	-	Cut for isolated post hole, circular with pointed base. 18cm dia, 17cm deep.
005	004	Mid brown loamy silt containing burnt bone and a single piece of 19 th century ceramic, possibly incorporated through worm action.
006	-	Furrow 2: Cut for Medieval or Post-Medieval furrow. Up to 80cm wide, 5cm deep, 70m long. Orientation SW-NE
007	006	Furrow 2: Grey-brown silt with frequent gravel and stones.
008	-	Furrow 1: Cut for Medieval or Post-Medieval furrow. Up to 50cm wide, 3cm deep, 96m long. Orientation SW-NE
009	008	Furrow 1: Grey-brown silt with frequent gravel and stones.
010	-	Furrow 3: Cut for Medieval or Post-Medieval furrow. Up to 110cm wide, 5cm deep, 39m long. Orientation SW-NE
011	010	Furrow 3: Grey-brown silt with frequent gravel and stones.
012	-	Cut for linear feature, probable furrow. 130cm wide, 15cm deep, 8m long. Orientation 45 degrees to all other furrows (E-W).
013	012	Grey-brown silt with occasional stones
014	-	Tree throw
015	014	Tree throw
016	-	Furrow 4: Cut for Medieval or Post-Medieval furrow. Up to 170cm wide, 12cm deep, 17m long. Orientation SW-NE
017	016	Furrow 4: Grey-brown silt with frequent gravel and 20% large stones c 15cm dia.
018	-	Tree throw
019	018	Tree throw
020	-	Cut for post hole. Circular, vertical sides, concave base. 35cm dia, 28cm deep. Part of 8 post structure.
021	020	Mid brown sandy silt with large packing stones. Darker staining interpreted as post pipe with pointed end.
022	-	Irregular feature within 8 post structure. Roughly oval, shallow, sloping down to S. Possible vegetation disturbance. 60cm long, 40cm wide, 30cm deep.
023	022	Dark loamy sand, compact with occasional charcoal flecks.
024	-	Cut for post hole. Circular, steep sides, concave base. 38cm dia, 15cm deep. Part of 8 post structure.
025	024	Mid brown sandy silt with large packing stones. Charcoal flecks noted
026	-	Cut for post hole. Circular, near vertical sides, concave base. 46cm dia, 20cm deep. Part of 8 post structure.
027	026	Mid brown sandy silt with packing stones and charcoal flecks.
028	-	Cut for post hole. Oval, steep and vertical sides, flat base / very slightly concave. 44cm x 36cm, 20cm deep. Part of 8 post structure.
029	028	Mid brown sandy silt with large packing stones and occasional charcoal flecks.
030	-	Excavated natural hollow containing light brown silt
031	030	Silt in 030
032	-	Circular feature, very shallow with irregular base, vegetation hollow
033	032	Mid brown loamy sandy silt with occasional gravel and stones
034	-	Circular feature, very shallow with irregular base, vegetation hollow
035	034	Mid grey-brown deposit, 70% silt, 30% gravel.
036	-	'Cut' for large filled in palaeochannel at N end of site. 85m length was exposed but most of channel ran under topsoil bund. Where fully exposed measured 5m wide, sides slope down at less than 35 degrees. Base below water table, U-shaped.

Context no.	Fill of	Description
037	036	Mid fill of palaeochannel (036): Mid brown loamy sand, loose, with % 40 cobbles and gravel, barbed wire noted. Modern infill of palaeochannel.
038	036	Primary fill of palaeochannel (036): Light greenish-grey loose sands and grits with occasional sub-rounded stones. Slumping from sides of channel.
039	036	Upper fill of palaeochannel (036): Light brown silty sand, slightly compact with frequent gravel and stones. Modern infill of palaeochannel.
040	-	Cut for shallow oval feature –post hole. 50cm x 40cm, 6cm deep.
041	040	Light to Mid brown silt with occasional gravel surrounding (043).
042	040	A black charcoal rich silt. Possible base of burnt post within (040).
043	-	Furrow 5: Cut for Medieval or Post-Medieval furrow. Up to 100cm wide, 10cm deep, 54m long. Orientation SW-NE
044	043	Furrow 5: Mid brown loamy silt with moderate to frequent gravel and larger stones towards base.
045	-	Cut for oval feature with irregular base, probable vegetation hollow or tree throw
046	045	Blackish grey-brown silt, compact with 5% grit and charcoal.
047	-	Circular feature with pointed base. Root holes noted towards base, likely vegetation hollow.
048	047	Dark to mid brown loamy silt with small stones (c. 3cm dia) and coal frags.
049	-	A shallow circular feature which on excavation had an irregular base, vegetation hollow.
050	049	Dark brown compact silt with frequent gravel c. 1cm dia.
051	-	Cut for a large irregular feature which on excavation turned out to be a tree throw.
052	051	Mid brown silty loam with moderate cobbles, stones and gravel
053	-	Roughly circular spread of black and grey silty sand, moderately compact. Frequent charcoal flecks. Interpreted as hearth deposit. 80cm x 60cm, 9cm deep max.
054	-	Cut for pit or large post hole next to (056). Oval, 80cm x 70cm, 24cm deep. Flat base, steep sides.
055	054	Mid to dark brown sandy silt with occasional stones, re-deposited natural and very occasional gravel. Charcoal flecks noted. At the base of the pit was a dark band of silt.
056	-	Cut for circular pit or large post hole next to (054). 90cm dia, 70cm deep. Flat base, steep sides.
057	056	Upper fill of (056). Mid to dark brown loamy sandy silt with occasional small to medium stones.
058	056	Lower fill of (056) Mid to light gingerish-brown silty sand with occasional small stones and gravel.
059	-	Furrow 6: Cut for Medieval or Post-Medieval furrow. Up to 100cm wide, 3cm deep, 54m long. Orientation SW-NE
060	059	Furrow 6: Mid brown loamy silt with occasional stones, gravel and cobbles.
061	-	Furrow 7: Cut for Medieval or Post-Medieval furrow. Up to 85cm wide, 5cm deep, 26m long. Orientation SW-NE
062	061	Furrow 7: Mid to dark brown loamy silt with occasional gravel and coal fragments.
063	-	Furrow 8: Cut for Medieval or Post-Medieval furrow. Up to 135cm wide, 3cm deep, 13m long. Orientation SW-NE
064	063	Furrow 8: Mid to dark brown loamy silt with occasional stones, gravel and coal fragments.
065	-	Furrow 9: Cut for Medieval or Post-Medieval furrow. Up to 90cm wide, 5cm deep, 68m long. Orientation SW-NE
066	065	Furrow 9: Mid to dark brown loamy silt with occasional gravel and large stones towards base.
067	-	Furrow 10: Cut for Medieval or Post-Medieval furrow. Full cross section exposed. 2.4m wide, 26cm deep. A 20m length exposed. On a slightly different angle from Furrow 12 which lies at E end. Orientation SW-NE
068	067	Furrow 10: Greyish mid brown loamy silt with occasional gravel.

Context no.	Fill of	Description
069	-	Cut for of post hole. Circular, sides c. 80 degrees, base concave. 42cm dia, 35cm deep. Part of 8 post structure.
070	069	Dark brown silty sand, firm, with small angular stones and medium angular packing stones.
071	-	Cut for post hole. Oval, sides near vertical, 42cm x 35cm, 27cm deep, concave base. Part of 8 post structure.
072	071	Dark brown sandy silt, firm, with frequent small rounded and sub-angular stones. No packing stones.
073	-	Cut for post hole. Oval, sides vertical (N) and sloping to (S). 46cm x 41cm, 19cm deep. Part of 8 post structure.
074	073	Dark brown sandy silt, firm, with frequent small rounded and sub-angular stones. No packing stones.
075	-	Cut for post hole. Rounded to rectangular, sides near vertical. 70cm x 42cm, 30cm deep. Part of 8 post structure.
076	075	Mid greyish-brown sandy silt, firm, with medium angular packing stones.
077	-	Sub-circular cut for pit, sides near vertical on S and <45 degrees to the N. Base flat. 95cm dia, 26cm deep.
078	077	Upper fill of 077. Dark blackish-brown silty sand, firm with frequent gravel and occasional small angular stones. Contains flint and charcoal flecks.
079	-	Furrow 11: Cut for Medieval or Post-Medieval furrow. Up to 150cm wide, 5cm deep, 11m long. Orientation SW-NE
080	079	Furrow 11: Mid grey-brown loamy silt with frequent stones c. 3-10cm dia .
081	-	Sub-circular cut for pit. Sides near vertical, base flat. 75cm x 80cm, 24cm deep.
082	081	Dark grey-brown sandy silt, firm, with angular to sub angular stones and occasional charcoal flecks. Grooved ware and flint debitage found.
083	-	Cut for post hole near to (085). Circular, sides 80 degrees, base concave. 34cm dia, 25cm deep.
084	083	Mid greyish-brown sandy silt, firm, with occasional angular stones. Irregular packing stones near base.
085	-	Black sandy silt, firm, with charcoal flecks. Overlies 003, 086, 087. Spread of burnt material filling a slight depression in the natural. Possible hearth. 60cm x 80cm, 9cm deep.
086	-	Cut for rectangular feature revealed below 085. 60cm x 25cm, 28cm deep, rounded ends, vertical sides, flat base.
087	086	Dark brown sandy silt, firm, with frequent gravel. Charcoal present.
088	077	Lower fill of 077. Mid reddish-brown fine sand and silty loam, loose, with occasional stones, gravel and cobbles. Contains charcoal lumps, carbonised hazelnut fragments, grooved ware and flint debitage. A flint scraper was also recovered. A large flat stone lay at the top of this layer - 30cm x 30cm, 6cm thick.
089	-	Cut for pit, sub-rounded, slightly squared in plan. 85cm x 80cm, 17cm deep. Sides very shallow and base concave.
090	089	Dark grey-brown silty sand with medium rounded and sub-angular stones and small pebbles. Contained partial grooved ware vessel in the centre of the pit as well as other sherds.
091	-	Natural hollow containing silt
092	091	Light beige silt in natural hollow
093	-	Cut for possible post hole. 34cm x 30cm, 12cm deep. Sides < 45 degrees, base pointed.
094	093	Dark brown loamy silt with occasional gravel.
095	-	Cut of oval pit. 110cm x 90cm, 30cm deep. Sides <45 degrees, base flat.
096	095	Dark brown sandy silt with frequent stones, sub-rounded to sub-angular up to 8cm diameter. Contains charcoal lumps and potsherds.
097	-	Cut of circular pit. 48cm x 41cm, 13cm deep. Sides curved, c. 45 degrees and base concave.
098	097	Dark grey-brown sandy silt containing charcoal flecks and small sub-

Context no.	Fill of	Description
		rounded pebbles. Potsherds noted in fill.
099	-	Cut for large oval pit. 95cm x 70cm, 44cm deep. Sides c. 80 degrees, base flat.
100	099	Dark grey-brown sandy silt, firm, containing medium rounded stones (fire cracked) and gravel. Charcoal flecks noted. Potsherds found throughout. Modern potsherd found in upper fill.
101	-	Cut for pit. Sub-circular to squared. 82cm x 72cm, 27cm deep. Sides c. 85 degrees, base flat.
102	101	Upper fill of 101. Dark blackish-brown sandy silt, firm, with occasional rounded pebbles and charcoal flecks. Scattered potsherds present.
103	-	Cut for animal burrow.
104	103	Fill of animal burrow.
105	-	Circular cut of pit. 66cm x 64cm, 20cm deep. Sides c. 40 to 45 degrees, base concave. Heavily disturbed by animal burrows.
106	105	Dark grey-brown sandy silt with frequent rounded pebbles and cobbles. Charcoal lumps noted and potsherds found throughout.
107	-	Cut for large pit containing burnt material. Round cut with a shallow depression on the E side. 135cm x 205cm, 40cm deep. Cut into a natural deposit of sandstone towards base. Sides roughly 45 degrees, base concave. Possible kiln pit.
108	107	Mid grey-brown sandy silt, moderate to firm, with very occasional large sub-rounded stones c. 25cm x 10cm x 7cm. Charcoal lumps present throughout and crushed spread of charcoal at base.
109	-	Cut of small possible post hole near 112. 30cm x 29cm, 16cm deep. Sides c. 85 degrees, base pointed and slightly irregular.
110	109	Dark grey-brown sandy silt, firm. Deposit darker at the top and lighter towards base.
111	101	Primary fill of pit 101. Mid reddish-brown sandy silt, firm, with rounded pebbles, frequent rounded cobbles and charcoal flecks.
112	-	Cut of large ovoid pit containing pottery. 120cm x 90cm, 30cm deep. Sides slope at c. 80 degrees. Affected by bioturbation.
113	112	Dark grey-brown sandy silt, firm, with medium sub-angular fire-reddened stones and charcoal flecks. Contains pottery fragments mixed in with stones. Interpreted as single dump of material into pit.
114	-	Cut of ovoid pit near 101. 59cm x 29cm, 30cm deep. Near vertical sides and rounded base.
115	114	Dark grey sandy silt, firm, with occasional rounded small pebbles. Light scatter of potsherds found in upper part of deposit.
116	-	Furrow 12: Cut for Medieval or Post-Medieval furrow. Up to 150cm wide, 10cm deep, 32m long. Orientation SW-NE
117	116	Furrow 12: Grey-brown silt with occasional medium stones.
118	-	Furrow 13: Cut for Medieval or Post-Medieval furrow. Up to 100cm wide, 5cm deep, 12.7m long. Orientation SW-NE
119	118	Furrow 13: Dark grey-brown silt.
120	-	Cut for circular post hole with showing evidence of burning. 34cm x 40cm, 4cm deep.
121	120	Grey silt and black charcoal layer below.
122	112	Primary fill of cut 112. Light yellowish-brown sandy silt with occasional rounded to sub-angular medium stones, fire reddened. Charcoal flecks and potsherds present.
123	-	Cut of small pit. 36cm x 29cm, 12cm deep. Sides less than 40 degrees and base concave.
124	123	Dark grey-brown sandy silt, firm, with occasional gravel and charcoal flecks. A single rounded cobble noted.
125	-	Black sandy silt containing a high organic component at the N end of the stripped area. Deposit lies against a natural bank where the ground slopes down steeply towards palaeochannel 036. The silt was probably left by vegetation growing at the edge the flat area situated between the two hills

Context no.	Fill of	Description
		and containing the palaeochannel. This may be evidence that the flat area was once wet.
126	127	Dark purple-brown silty sand, loose, with pea gravel.
127	-	A very shallow possible post hole cut. 20cm x 15cm, 5cm deep.
128		Cut for post hole. 42cm x 30cm, 16cm deep. Sides c. 45 degrees, base concave. Circular in plan on its W extent, but E side is constrained by a large natural stone. Large rounded cobbles at sides and base. Cut into loose gravel with rounded cobbles.
129	128	Dark purple-grey-brown sandy silt, loose, with occasional rounded cobbles and charcoal flecks.
130	-	Cut for slightly ovoid post hole. 54cm x 45cm, 20cm deep. Sides c. 80 degrees. Orientation N-S.
131	130	Lower fill of 131. Dark brown sandy silt, firm, with frequent angular medium stones and rounded cobbles. Lies below a darker fill, 134. Interpreted as packing around post.
132	-	Cut of curvilinear ditch truncated by ploughing. 34m long, 155cm wide, up to 20cm deep. Gently sloping sides, < 20 degrees, base gently curved to flat but irregular due to large stones in natural. Orientation roughly E-W. Outside of curve to the N. Filled by 133 and 148. Ditch may have enclosed the settlement / structure represented by the pits and post holes to the S. Ditch truncated by ploughing at its W end and extends into unstripped area to the E.
133	132	Light grey-brown fine to coarse sand, firm, containing > 60% sub-rounded medium stones and occasional larger stones. Lower fill of ditch. Infill from natural slumping of sides.
134	130	Dark grey-black charcoal-flecked silt surrounded by 131. Interpreted as post-pipe for post hole. Base rounded.
135	-	Cut for sub-rectangular post-hole. 67cm x 40cm, 34cm deep. Sides near vertical and base flat but slightly irregular. Filled with 141 and 136.
136	135	Dark blackish-brown sandy silt, soft, with frequent sub-rounded stones. Upper fill of post hole.
137	-	Cut for oval post-hole. 50cm x 40cm, 15cm deep. Vertical sides, flat base.
138	137	Dark orangey-brown silty sand, loose, with occasional stones. Bone present.
139	-	Cut of animal burrow.
140	139	Fill of animal burrow.
141	135	Mid brown gravelly sand, loose, with frequent sub-rounded stones. Lower fill of post hole 135.
142	-	Cut of circular post hole. 40cm dia, 27cm deep. Vertical sides, flat base.
143	142	Orangey-brown silty sand, loose, with a few packing stones. Charcoal present.
144	-	Natural hollow
145	144	Mid brown sandy silt, fill of natural hollow.
146	-	Cut of oval post hole. 55cm x 40cm, 15cm deep. Vertical sides, base uneven.
147	146	Dark to mid brown silty sand, loose, with pieces of charcoal.
148	132	Secondary fill of 132. Dark brown loamy silt, compact, with very occasional small sub-rounded stones c. 1-4cm dia and occasional larger stones up to 15cm x 8cm. Deposit may have formed when ditch was ploughed out in antiquity.
149	-	Cut of sub-square post hole. 70cm x 55cm, 35cm deep. Near vertical sides, base flat, sloping to the E
150	149	Dark brown sandy silt, soft, with moderate sub-rounded pebbles.
151	-	Sub-square post-hole. 41cm x 40cm, 25cm deep. Sides vertical, base flat but slightly irregular.
152	151	Dark greyish-brown sandy silt, soft and friable, with moderate to frequent rounded and sub-rounded pebbles.
153	-	Sub-circular post hole. 30cm dia, 25cm deep. Sides near vertical, base flat.
154	153	Dark greyish-brown sandy silt, soft and friable, with frequent sub-rounded

Context no.	Fill of	Description
		and rounded pebbles.
155	-	Cut for oval post hole. 33cm x 24cm, 20cm deep. Sides near vertical, base flat. Orientation E-W. Axis sloping down to E. May have held post relating to pit 165.
156	155	Mid brown loamy silt with patches of lighter silty sand. Post pipe visible as darker patch of silt angled down to the E, pointed base. Packing stones present around the edge of post hole cut may have held post tightly in place.
157		Cut of triangular post hole. 33cm x 46cm, 19cm deep. Sides steep and near vertical, base flat.
158	157	A dark brown loamy silty sand with small rounded to sub-rounded pebbles towards the base.
159	-	Cut for possible ovoid post hole. 50cm x 36cm, 13cm deep. Sides steep, base flat.
160	160	Dark greyish-brown sandy silt, friable, with moderate rounded stones.
161	-	Cut for sub-square post hole. 38cm x 36cm, 27cm deep. Sides very steep, base flat.
162	161	Dark greyish-brown sandy silt, friable, with moderate rounded cobbles.
163		Natural hollow
164		Fill of natural hollow
165		Cut for oval pit. 167cm x 150cm, 57cm deep. Sides vertical, base slightly concave. Orientation N-S
166	165	Mid to dark brown sandy silt, moderate compaction, with 20% rounded boulders. Frequent charcoal lumps. Upper fill of 165.
167	165	Mid brown sandy gravel, moderately compact, with 30% rounded pebbles. Pocket of sandy gravel at the N end of pit 165. Slump from N side of pit. Below 166.
168	165	Orangey-red clayey silt, moderately compact, c. 5cm thick; seals deposit 190. Interpreted as either natural silting suggesting that pit was abandoned for a time, or a deposit deliberately laid down to seal hearth deposits below. Red colour caused by heating from above or below. Same as 170.
169	165	Black silt containing large quantities of charcoal below 166 and above 170. Hearth deposit.
170	165	As for 168 only on S side of pit and up to 8cm thick.
171		Natural hollow
172		Fill of natural hollow
173		Natural hollow
174		Fill of natural hollow
175	-	Cut for possible post pad. 90cm x 70cm, 5cm deep. Sides v shallow and base irregular. This feature may be a natural hollow.
176	175	Dark brown silty sand, friable, with frequent rounded and sub-rounded stones.
177		Natural stone hole
178	177	Silty fill of natural stone hole
179		Natural hollow
180		Fill of natural hollow
181		Natural hollow
182		Fill of natural hollow
183		An area of natural cobbling at one time thought to be anthropogenic
184	-	Cut of ovoid pit. 92cm x 62cm, 22cm deep. Steep sided, base flat but slightly irregular.
185	184	Dark greyish-brown sandy silt, friable, with moderate rounded and sub-rounded pebbles. Upper fill of 184.
186	-	Cut of pit. 80cm x 90cm, 35cm deep. Sides near vertical, base concave.
187	186	Mid to dark brown loamy sandy silt with moderate to firm frequent small to medium sub-rounded stones. Homogenous fill of pit. Charcoal flecks noted.
188	-	Cut of oval pit. 80cm x 70cm, 40cm deep. Sides near vertical, base concave.
189	188	An orangey-brown sandy gravel with large rounded and angular boulders.

Context no.	Fill of	Description
190	165	Lowest fill of pit 165. Black silty charcoal layer containing frequent potsherds, bone and daub. Hearth deposit.
191	127	Same as 126.
192	184	Lower fill of 184, 5cm thick. Light brownish-yellow sandy clay with moderate rounded stones.
193	184	Mid layer of 184. Dark reddish-brown silty sand, soft and friable, with frequent rounded stones. Slumping at side of 184.
194	-	Tree throw
195	194	Fill for tree throw
196	-	Cut of circular pit. 115cm dia, 3cm deep. Vertical sides with a sharp break of slope, flat base. Burrowing present.
197	196	Mid to dark brown sandy silt, medium compaction, with occasional sub-rounded stones and small flecks of charcoal. Pit backfilled in one event.
198	-	Tree throw
199	198	Fill for tree throw
200	-	Natural hollow
201	200	Silt in natural hollow
202	-	Cut for large modern pit. 105cm x 55cm, 25cm deep.
203	202	Grey-brown silty sand, loose and loamy. Contains glass and white glazed ceramic.
204	-	Cut for small post hole. 24cm dia, 9cm deep. Sides near vertical, base flat. Date unknown, possibly late.
205	204	Dark blackish-brown sandy silt, friable, with occasional rounded stones. No post pipe noted.
206	-	Natural hollow / depression
207	206	Light brown silty sand, fill of natural hollow
208	-	Cut of large modern rectangular pit. 180cm x 75cm, > 25cm deep. Not fully excavated. Possibly associated with the farmstead of Cranford.
209	208	Mid to dark brown sandy silt, loose, with occasional large stones, sub-rounded, up to 10cm dia. Contains white glazed ceramic.
210	-	Tree throw
211	210	Fill for tree throw
212	-	Tree throw
213	212	Fill for tree throw
214	-	Cut for large rectangular pit. 200cm x 105cm, 37cm deep. Sides vertical, base flat. Aligned with 208 and is almost certainly contemporary. Possibly associated with the farmstead of Cranford.
215	214	Mid to light grey-brown loamy sandy silt containing frequent sub-rounded stones 1-10cm dia. Contains white glazed ceramic.
216	-	Cut for oval pit. 120cm x 100cm, 23cm deep. Sides c. 45 degrees, base concave.
217	216	Darkish brown loamy silty sand with 90% sub-angular stones 2-12cm dia. Possibly associated with the farmstead of Cranford.
218	-	Cut for shallow, flat bottomed round post hole
219	218	Mid brown loamy silt
220		Cut for large L-shaped feature. 350cm x 200cm. Not fully excavated as modern pottery found in fill. Large foundation trench for building possibly associated with the farmstead of Cranford. Map evidence suggests that this was part of a path to the farmstead.
221	220	Dark greyish-brown sandy silt, compact, with grey sandstone fragments. Some stone fragments appeared on-edge and may have been facing stones of the foundation, Modern pottery present.
222	-	Hollow close to 220. Possibly associated with the farmstead of Cranford. Map evidence suggests that this was part of a path to the farmstead.
223	222	Dark greyish-brown silty sand, loose, with rounded stones filling hollow 222.
224	-	Rectangular cut of pit. 200cm x 100cm. Obviously modern feature close to 220. Possibly associated with the farmstead of Cranford. Map evidence

Context no.	Fill of	Description
		suggests that this was part of a path to the farmstead.
225	224	Dark greyish-brown silty sand, loose, with rounded stones filling hollow 224.

APPENDIX 2: Digital Photograph Register

Photo No.	Summary description of subject	Taken from	Conditions
001	General shot, pre-stripping	SW	Fair
002	General shot, pre-stripping	SW	Fair
003	Starting to strip in SW corner of field	SW	Fair
004	General shot of stripping	W	Fair
005	General shot of stripping	W	Fair
006	General shot of stripping	W	Fair
007	General shot of stripping	W	Fair
008	Excavating through furrow 1 (008)	W	Fair
009	Excavating through furrow 1 (008)	W	Fair
010	Shot of post hole (004)	N	Fair
011	Shot of post hole (004)	N	Fair
012	Shot of (004) half sectioned	N	Rain
013	Shot of (004) half sectioned	N	Rain
014	Shot of (004) fully excavated	N	Rain
015	Shot of (004) fully excavated	N	Rain
016	Shot of furrow 2 (006)	W	Rain
017	Shot of furrow 2 (006)	W	Rain
018	Shot of organic staining just above natural near furrow 3	W	Rain
019	General shot of stripping	W	Rain
020	Shot of furrow 3 (010)	W	Rain
021	Shot of furrow 3 (010)	SW	Rain
022	Shot of furrow 3 (010)	SW	Rain
023	General shot of stripped area looking at furrow 2	SE	Rain
024	Shot showing slot excavated through furrow 3 (010)	NE	Rain
025	Shot showing slot excavated through furrow 3 (010)	NE	Rain
026	General shot of stripped SE edge of field	E	Good
027	Shot of linear furrow (012)	E	Good
028	Shot of linear furrow (012)	E	Good
029	Section of (012)	SE	Good
030	Section of (012)	SE	Good
031	Shot of furrow 4 (016)	SW	Good
032	Shot of furrow 4 (016)	SW	Good
033	Shot of tree throw (014) pre-ex	SE	Good
034	Shot of tree throw (014) pre-ex	SE	Good
035	Tree bole (014) half sectioned	NE	Good
036	Tree bole (014) half sectioned	NE	Good
037	Shot of section through (016)	SE	Good
038	Shot of section through (016)	SE	Good
039	Tree bole (018) pre-ex	SW	Good
040	Tree bole (018) pre-ex	SW	Good
041	Tree bole (018) post-ex	NE	Good
042	Tree bole (018) post-ex	NE	Good
043	General shot stripping area along W edge of field	S	Good
044	General shot stripping area along W edge of field	S	Good
045	General shot stripping area along W edge of field	S	Good
046	General shot stripping area along W edge of field	S	Good
047	Shot of tree throw	S	Good

Photo No.	Summary description of subject	Taken from	Conditions
048	Shot of 2 tree throws, both investigated with spade	S	Good
049	Shot of tree throws	S	Good
050	Shot of tree throws / vegetation disturbance	S	Good
051	General shot stripping at NW corner of field	S	Good
052	View looking up stripped area	N	Good
053	General shot of natural at NW corner of field	SW	Good
054	General shot of stripping	S	Good
055	View looking across quarry	NE	Good
056	Shot of vegetation mark / hollow	S	Good
057	Photo of modern post hole containing glass	S	Good
058	Pre-ex shot of (020)	E	Good
059	Pre-ex shot of (020)	E	Good
060	Pre-ex shot of (022)	E	Good
061	Pre-ex shot of (022)	E	Good
062	Pre-ex shot of (024)	E	Good
063	Pre-ex shot of (024)	E	Good
064	Pre-ex shot of (026)	E	Good
065	Pre-ex shot of (026)	E	Good
066	General view of features (020), (022), (024), (026)	S	Good
067	General view of features (020), (022), (024), (026)	E	Good
068	Post hole (020) half sectioned	E	Good
069	Post hole (020) half sectioned	E	Good
070	Post hole (022) half sectioned	E	Good
071	Post hole (022) half sectioned	E	Good
072	General shot of stripping along W edge of area	S	Good
073	Post hole (026) half sectioned	E	Good
074	Post hole (026) half sectioned	E	Good
075	Post hole (024) half sectioned	E	Good
076	Post hole (024) half sectioned	E	Good
077	Pre-ex shot of (028)	E	Good
078	Pre-ex shot of (028)	E	Good
079	Post hole (028) half sectioned	E	Good
080	Post hole (028) half sectioned	E	Good
081	Post hole (028) half sectioned	E	Good
082	General photo of post holes (020), (024), (026), (028)	SE	Good
083	Shot of post holes (028) and (026)	E	Wet
084	Shot of post holes (026) and (024)	E	Wet
085	Shot of post holes (024) and (020)	E	Wet
086	Shot of post holes (024) and (020)	E	Wet
087	General shot of post holes (028), (026), (024), (020)	N	Wet
088	Shot showing topsoil partly removed with toothed bucked	S	Wet
089	Pre-ex shot of (030)	E	Wet
090	Pre-ex shot of (030)	E	Wet
091	(030) half sectioned	E	Wet
092	(030) half sectioned	E	Wet
093	Pre-ex shot of (032)	E	Wet
094	Pre-ex shot of (032)	E	Wet
095	(032) half sectioned	E	Wet
096	(032) half sectioned	E	Wet
097	General shot of stripping	S	Wet
098	Pre-ex shot of (034)	E	Wet
099	Pre-ex shot of (034)	E	Wet
100	(034) half sectioned	E	Wet
101	(034) half sectioned	E	Wet
102	General shot stripping at NW corner of site	NW	Good

Photo No.	Summary description of subject	Taken from	Conditions
103	Shot of ditch feature (036)	S	Good
104	Shot of ditch feature (036)	SE	Good
105	Shot of ditch feature (036)	SE	Good
106	General topsoil stripping	S	Good
107	Starting to excavate a machine sondage through (036)	N	Good
108	Shot of machine sondage through (036)	N	Good
109	E facing section of (036)	E	Good
110	E facing section of (036)	E	Good
111	E facing section of (036)	E	Good
112	General shot of stripping	S	Good
113	Shot of plough marks near 8-post structure	SE	Good
114	Shot of plough marks near 8-post structure	SE	Good
115	Shot of 8-post structure	E	Good
116	Pre-ex shot of (040)	E	Good
117	Pre-ex shot of (040)	E	Good
118	(040) half sectioned	E	Good
119	(040) half sectioned	E	Good
120	General shot of stripping	S	Good
121	Shot of furrow 5 (043)	E	Good
122	Shot of furrow 5 (043)	E	Good
123	Pre-ex shot of (045)	W	Good
124	Pre-ex shot of (045)	W	Good
125	(045) half sectioned	W	Good
126	(045) half sectioned	W	Good
127	(045) half sectioned	W	Good
128	Shot of stripping at base of hill (N end of field)	SW	Good
129	Pre-ex shot of (047)	E	Good
130	Pre-ex shot of (047)	E	Good
131	(047) half sectioned	E	Good
132	(047) half sectioned	E	Good
133	General shot of continuing stripping	S	Good
134	Pre-ex shot of (049)	E	Good
135	Pre-ex shot of (049)	E	Good
136	(049) half sectioned	E	Good
137	(049) half sectioned	E	Good
138	Pre-ex shot of tree throw (051)	N	Good
139	Pre-ex shot of tree throw (051)	N	Good
140	Pre-ex shot of tree throw (051)	N	Good
141	General shot of stripping	S	Good
142	Shot of tree throw (051) partly excavated	N	Good
143	General shot of stripping	S	Good
144	Shot of furrow 5	SE	Good
145	Shot looking along furrow 5	W	Good
146	Shot looking along furrow 5	W	Good
147	Shot looking along furrow 7	E	Good
148	Burnt feature (053)	E	Good
149	Burnt feature (053)	E	Good
150	Burnt feature (053) half sectioned	E	Good
151	Burnt feature (053) half sectioned	E	Good
152	General shot of stripping	S	Good
153	General shot of stripping	S	Good
154	General shot of stripping	S	Good
155	General shot of stripping	S	Good
156	Pits (054) and (056)	S	Good
157	Pits (054) and (056)	S	Good
158	Pre-ex shot of (054)	E	Good

Photo No.	Summary description of subject	Taken from	Conditions
159	Pre-ex shot of (054)	E	Good
160	Pre-ex shot of (056)	E	Good
161	Pre-ex shot of (056)	E	Good
162	General shot of stripping	S	Good
163	(054) half sectioned	E	Good
164	(054) half sectioned	E	Good
165	(054) half sectioned	E	Good
166	(056) half sectioned	E	Good
167	(056) half sectioned	E	Good
168	General shot of stripping	S	Good
169	Shot looking along furrow 9	W	Good
170	Shot looking along furrow 9	W	Good
171	General shot of stripping	S	Good
172	General shot of stripping	S	Good
173	General shot of stripping	S	Good
174	Shot excavating at furrow 10	W	Good
175	Shot excavating at furrow 10	W	Good
176	Shot excavating at furrow 10	W	Good
177	Cross section of furrow 10	W	Good
178	Cross section of furrow 10	W	Good
179	Pre-ex shot of (069)	E	Good
180	(069) half sectioned	E	Good
181	(020) fully excavated	E	Good
182	Pre-ex shot of (071)	E	Good
183	[024] post-ex	E	Good
184	[071] section	E	Good
185	[026] post-ex	E	Good
186	[073] pre-ex	E	Good
187	[028] post-ex	E	OK
188	[073] section	E	Sunny
189	[069] post-ex	SE	OK
190	[071] post-ex	E	OK
191	[075] pre-ex	E	OK
192	[022] post-ex	E	Rain
193	[075] section	E	Rain
194	[073] post-ex	E	Rain
195	[077] pre-ex	E	Rain
196	[077] pre-ex	E	Rain
197	General shot of 8 post structure	S	Sunny
198	General shot of 8 post structure	S	Sunny
199	General shot of 8 post structure	S	Sunny
200	General shot of 8 post structure	N	Sunny
201	General shot of 8 post structure	S	Sunny
202	General shot of 8 post structure	S	Sunny
203	General shot of 8 post structure	S	Sunny
204	General shot of 8 post structure	S	Sunny
205	General shot of 8 post structure	N	Sunny
206	General shot of 8 post structure	N	Sunny
207	[081] pre-ex	NE	Sunny
208	Post hole [083] and hearth (085) pre-ex	NE	Sunny
209	Detail of [083]	NE	Sunny
210	Section of through [083] and (085)	NE	Sunny
211	Section of through [083] and (085)	NE	Sunny
212	Section of [083]	NE	Sunny
213	Section of [081]	NE	OK

Photo No.	Summary description of subject	Taken from	Conditions
214	[077] half sectioned	E	OK
215	[077] half sectioned	E	OK
216	[077] half sectioned	E	OK
217	[077] half sectioned	E	OK
218	[077] half sectioned	E	OK
219	[083] and [087] post-ex	NE	OK
220	Detail of [087]	NE	OK
221	Detail of [087]	NE	OK
222	[081] post-ex	NE	OK
223	[077] partly excavated	E	OK
224	[077] partly excavated	E	OK
225	[081] post-ex	NE	OK
226	[081] post-ex	NE	OK
227	[077] post-ex	E	OK
228	[077] post-ex	E	OK
229	[077] and [081]	W	OK
230	[077] and [081]	E	OK
231	[089] pre-ex	N	Sunny
232	[089] pre-ex	N	Sunny
233	[091] pre-ex	E	Good
234	[091] pre-ex	E	Good
235	[091] pre-ex	E	Good
236	[091] pre-ex	E	Good
237	[089] and (090) with pot	E	Good
238	[089] and (090) with pot	E	Good
239	Pre-ex of [093]	E	Good
240	Pre-ex of [093]	E	Good
241	[089] half sectioned	E	Sunny
242	[089] half sectioned	E	Sunny
243	[089] half sectioned	E	Sunny
244	[093] half sectioned	E	Sunny
245	[093] half sectioned	E	Sunny
246	[091] half sectioned	E	Sunny
247	[091] half sectioned	E	Sunny
248	[089] with pot scatter	SW	Sunny
249	[089] with pot scatter	N	Sunny
250	[089] with pot scatter	N	Sunny
251	[089] with pot scatter	S	Sunny
252	[093] post-ex	NE	Sunny
253	Pre-ex of [095]	W	Sunny
254	Pre-ex of [099]	E	Sunny
255	Pre-ex of [097]	E	Sunny
256	Pre-ex of [099] and [097]	W	Sunny
257	Pre-ex of [105]	W	Sunny
258	Post-ex of [089]	N	Sunny
259	Pre-ex of [101]	N	Good
260	Pre-ex of [103]	N	Good
261	Pre-ex of [101] and [103]	N	Good
262	[097] and [099] half sectioned	N	Sunny
263	Detail of [099] section	N	Sunny
264	Detail of [097] section	N	Sunny
265	[099] post-ex	N	Good
266	[099] post-ex	S	Good
267	[095] half sectioned	N	Good
268	[105] half sectioned	E	Good
269	[107] pre-ex	E	Good

Photo No.	Summary description of subject	Taken from	Conditions
270	General shot of stripping	N	Good
271	[105] post-ex	NNE	Light rain
272	[095] post-ex	NE	Light rain
273	[107] half sectioned	S	Good
274	[107] half sectioned	S	Good
275	[101] half sectioned	NE	OK
276	[109] pre-ex	NE	OK
277	[109] half sectioned	NE	OK
278	[101] post-ex	NE	OK
279	[109] post-ex	NE	Sunny
280	[103] half sectioned	E	Good
281	[114] pre-ex	NE	Good
282	[114] pre-ex	NE	Good
283	[107] post-ex	E	Good
284	[107] post-ex	N	Good
285	Record shot of pot scatter in [112]	E	Good
286	[120] pre-ex	E	Rain
287	[120] pre-ex	E	Rain
288	[120] half sectioned	E	Rain
289	[112] half sectioned with pot scatter	E	Rain
290	[112] half sectioned with pot scatter	N	Rain
291	Pot scatter in [112]	Above	Rain
292	[112] half sectioned	S	Rain
293	[112] half sectioned	S	Rain
294	[112] half sectioned	S	Rain
295	General shot excavating pits	S	OK
296	General working shot	SE	OK
297	[112] pot scatter	N	OK
298	[112] post-ex	NW	OK
299	[114] post-ex	E	Sunny
300	[123] pre-ex	N	OK
301	Silt (125)	E	Good
302	Silt (125)	E	Good
303	[127] pre-ex	N	OK
304	[127] half sectioned	N	OK
305	[123] half sectioned	SW	OK
306	[128] pre-ex	N	OK
307	[128] half sectioned	N	OK
308	Shot looking along ditch [132]	W	OK
309	Shot looking along ditch [132]	W	OK
310	Shot looking along ditch [132]	W	OK
311	Shot looking along ditch [132]	W	OK
312	Shot looking along ditch [132]	W	OK
313	Shot looking along ditch [132]	W	OK
314	Shot looking along ditch [132]	NW	OK
315	Shot looking along ditch [132]	NW	OK
316	Shot looking along ditch [132]	NW	OK
317	Shot looking along ditch [132]	NW	OK
318	Shot looking along ditch [132]	NW	OK
319	Shot looking along ditch [132]	NW	OK
320	Shot looking along ditch [132]	NW	OK
321	Shot looking along ditch [132]	NW	OK
322	Shot looking along ditch [132]	NW	OK
323	Shot looking along ditch [132]	NW	OK
324	General shots of ditch [132]	NW	OK
325	General shots of ditch [132]	W	OK

Photo No.	Summary description of subject	Taken from	Conditions
326	Ditch [132]	N	OK
327	Ditch [132]	N	OK
328	Ditch [132]	N	OK
329	Ditch [132]	N	OK
330	Ditch [132]	N	OK
331	Ditch [132]	N	OK
332	Ditch [132]	N	OK
333	Ditch [132]	N	OK
334	Ditch [132]	N	OK
335	Ditch [132]	N	OK
336	Ditch [132]	N	OK
337	Ditch [132]	N	OK
338	General shots of ditch [132]	E	OK
339	General shots of ditch [132]	E	OK
340	[128] post-ex	N	OK
341	[130] pre-ex	W	OK
342	[130] half sectioned	N	OK
343	[130] post-ex	N	Low sun
344	[135] pre-ex	N	OK
345	[137] pre-ex	N	OK
346	[123] post-ex	S	OK
347	[137] half sectioned	W	OK
348	[135] half sectioned	N	OK
349	[135] half sectioned	N	OK
350	[137] half sectioned	W	OK
351	[139] pre-ex	W	OK
352	[139] half sectioned	W	OK
353	[139] half sectioned	W	OK
354	[142] half sectioned	W	OK
355	[137] post-ex	W	OK
356	[135] post-ex	W	OK
357	[142] post-ex	W	OK
358	[144] pre-ex	SW	OK
359	Slot 1 [132]	S	OK
360	[146] pre-ex	NW	OK
361	Slot 2 [132]	S	OK
362	[149] half sectioned	NW	OK
363	Slot 3 [132]	W	OK
364	[146] half sectioned	NW	OK
365	[139] half sectioned	W	OK
366	[146] post-ex	NW	OK
367	[144] post-ex	SW	OK
368	Section, slot 1 of [132]	SE	OK
369	[149] post-ex	S	OK
370	Pre-ex of [165]	W	OK
371	Section, slot 2 [132]	E	OK
372	[151] and [153] pre-ex	W	OK
373	[132], slot 3 section	W	OK
374	[151] post-ex	W	OK
375	[155] pre-ex	S	OK
376	[155] pre-ex	S	OK
377	[155] half sectioned	S	OK
378	[155] showing packing stones	N	OK
379	[153] half sectioned	N	OK
380	[153] post-ex	N	OK
381	[153] excavated before packing stones removed	S	OK

Photo No.	Summary description of subject	Taken from	Conditions
382	[155] after packing stones removed	S	OK
383	[175] pre-ex	E	OK
384	[175] half sectioned	E	OK
385	In situ pottery [165]	NW	OK
386	In situ pottery [165]	NW	OK
387	[165] half sectioned	W	OK
388	[165] half sectioned	NW	OK
389	[165] half sectioned	SW	OK
390	[165] half sectioned	W	OK
391	[161] half sectioned	S	OK
392	[159] half sectioned	S	OK
393	[157] half sectioned	S	OK
394	Pre-ex shots of [188]	NW	OK
395	[161] post-ex	S	OK
396	[159] post-ex	SW	OK
397	[157] post-ex	S	OK
398	[184] pre-ex	N	OK
399	[127] pre-ex	N	OK
400	[127] half sectioned	N	OK
401	[127] post-ex	N	OK
402	[184] half sectioned	NE	OK
403	[165] post-ex	W	OK
404	[165] post-ex	W	OK
405	General working shot	-	OK
406	General working shot	-	OK
407	General working shot	-	OK
408	[186] pre-ex	N	OK
409	[188] half sectioned	WNW	OK
410	[186] half sectioned	W	OK
411	[188] post-ex	WNW	OK
412	[194] pre-ex	W	OK
413	[196] pre-ex	W	OK
414	[184] post-ex	E	OK
415	[186] post-ex	W	OK
416	[198] pre-ex	W	OK
417	[200] pre-ex	E	OK
418	[202] pre-ex	S	OK
419	Tree bole 198	W	Sunny
420	Tree bole 194	W	Sunny
421	[200] half sectioned	E	Sunny
422	Post hole [204]	S	Sunny
423	[194] half sectioned	SE	Sunny
424	[194] half sectioned	S	Sunny
425	[202] half sectioned	S	Sunny
426	[208] pre-ex	S	Sunny
427	[208]	S	Sunny
428	[210] pre-ex	E	Sunny
429	[212] pre-ex	S	Sunny
430	[214] pre-ex	E	Sunny
431	[216] pre-ex	N	Sunny
432	[194] post-ex	N	Sunny
433	[194] post-ex	N	Sunny
434	[194] post-ex	N	Sunny
435	[210]	E	Sunny
436	[206] pre-ex	N	Sunny
437	[218] pre-ex	N	Sunny

Photo No.	Summary description of subject	Taken from	Conditions
438	[218] half sectioned	E	Sunny
439	[214]	E	Sunny
440	[220] pre-ex	E	Sunny
441	[222] pre-ex	N	Sunny
442	[224] pre-ex	N	Sunny
443	[218] post-ex	E	Sunny
444	Shot looking at excavations around Cranford	E	OK
445	Shot showing vegetation hollows and pits with straw at E end of stripped area. Furrows in background	E	OK
446	Shot showing vegetation hollows and pits with straw at E end of stripped area. Furrows in background	E	OK
447	[216] post-ex	N	OK
448	General shot of structure at the N end of the stripped area	E	OK
449	General shot of structure at the N end of the stripped area	E	OK
450	General shot of structure at the N end of the stripped area	E	OK
451	General shot of structure at the N end of the stripped area	E	OK
452	General shot of structure at the N end of the stripped area	E	OK
453	General shot of structure at the N end of the stripped area	NW	OK
454	General shot of structure at the N end of the stripped area	NW	OK
455	General shot of pits W of structure at the N end of the stripped area	E	OK
456	General shot of pits W of structure at the N end of the stripped area	E	OK

APPENDIX 3: Drawings Register

Dwg No.	Sheet No.	Scale	Plan / Section	Description/contexts
1	1	1:10	P	Plan of [004]
2	1	1:10	S	Section of [004]
3	1	1:20	P	Plan of [014]
4	1	1:200	P	Plan features near furrow 4
5	1	1:20	P	Plan of [018]
6	1	1:100	P	Plan of [020, 024, 026, 028]
7	1	1:10	P	Plan of [020]
8	1	1:10	S	Section of [020]
9	1	1:20	P	Plan of [022]
10	1	1:10	S	Section of [022]
11	1	1:20	P	Plan of [026]
12	1	1:10	S	Section of [026]
13	1	1:20	P	Plan of [024]
14	1	1:10	S	Section of [024]
15	1	1:20	P	Plan of [028]
16	1	1:10	S	Section of [028]
17	1	1:20	P	Plan of [030]
18	1	1:10	S	Section of [030]
19	1	1:20	P	Plan of [032]
20	1	1:10	S	Section of [032]
21	1	1:20	P	Plan of [034]
22	1	1:10	S	Section of [034]
23	2	1:10	S	Section of [036]
24	2	1:20	P	Plan of [040]
25	2	1:10	S	Section of [040]
26	2	1:20	P	Plan of [045]
27	2	1:10	S	Section of [045]
28	2	1:20	P	Plan of [047]
29	2	1:10	S	Section of [047]
30	2	1:20	P	Plan of [049]
31	2	1:10	S	Section of [049]
32	2	1:20	P	Plan of [051]
33	2	1:20	P	Plan of (053)
34	2	1:10	S	Section of (053)
35	3	1:20	P	Plan of [054] and [056]
36	3	1:10	S	Section of [054]
37	3	1:20	P	Plan of [056]
38	4	1:50	P	Plan of 8 post structure
39	5	1:50	P	Plan of groove ware pits
40	5	1:50	P	Plan of natural feature
41	3	1:10	P	Section of [069]
42	3	1:20	S	Plan of [069]
43	3	1:10	P	Section of [071]
44	3	1:20	S	Plan of [071]
45	3	1:10	P	Section of [073]
46	3	1:20	S	Plan of [073]
47	3	1:10	S	Section of [075]
48	3	1:20	P	Plan of [075]
49	3	1:20	P	Plan of [077]
50	6	1:10	S	Section of [081]
51	6	1:10	S	Section of [083] and (085)
52	6	1:20	P	Plan of [086], [084] and (085)
53	6	1:20	P	Plan of [077]
54	6	1:10	S	Section of [077]

55	6	1:20	P	Plan of [081]
56	8	1:10	S	Section of [
57	6	1:20	P	Plan of [091]
58	8	1:20	P	Plan of [081]
59	8	1:10	S	Section of [093]
60	6	1:20	P	Plan of [089]
61	6	1:10	S	Section of [089]
62	8	1:10	S	Section of [091]
63	8	1:10	P	Plan of pot scatter in fill (090)
64	8	1:20	P	Plan of [095]
65	7	1:20	P	Plan of [097] and [099]
66	7	1:10	S	Section of [097] and [099]
67	7	1:20	P	Plan of [105]
68	7	1:10	S	Section of [095]
69	8	1:10	S	E facing section of [105]
70	7	1:20	P	Plan of [107]
71	8	1:20	P	Plan of [101]
72	8	1:10	S	Section of [101]
73	8	1:10	P	Plan of [109]
74	8	1:10	S	Section of [109]
75	8	1:20	P	Plan of [103]
76	8	1:20	P	Plan of [112]
77	7	1:10	S	Section of [107]
78	9	1:20	P	Plan of [107]
79	8	1:10	S	Section of [114]
80	8	1:20	P	Plan of [114]
81	8	1:20	P	Plan of [120]
82	8	1:10	S	Section of [120]
83	10	1:10	P	Plan of pot scatter in (113)
84	10	1:10	S	Section of [112]
85	10	1:20	P	Plan of [112]
86	10	1:10	S	Section of [127]
87	10	1:10	P	Plan of [127]
88	10	1:10	S	Section of [123]
89	10	1:10	P	Plan of [123]
90	10	1:10	S	Section of [128]
91	10	1:20	P	Plan of [128]
92	11	1:100	P	Plan of features around demolished farmstead, 1
93	12	1:100	P	Plan of features around demolished farmstead, 2
94	13	1:100	P	Plan of features around demolished farmstead, 3
95	14	1:100	P	Plan of curvilinear ditch
96	10	1:10	S	Section of [130]
97	10	1:10	P	Plan of [130]
98	15	1:10	S	Section of [135]
99	10	1:10	P	Plan of [139]
100	10	1:10	S	Section of [139]
101	15	1:10	S	Section of [137]
102	15	1:10	S	Section of [142]
103	15	1:20	P	Plan of [135]
104	15	1:20	P	Plan of [137]
105	15	1:20	P	Plan of [142]
106	15	1:10	S	Section of [149]
107	15	1:20	P	Plan of [149]
108	15	1:20	P	Plan of [144]
109	15	1:10	S	Section of [144]

110	16	1:10	S	Section of [146]
111	16	1:20	P	Plan of [146]
112	14	1:10	S	Section of [131] slot 1
113	14	1:10	S	Section of [132] slot 2
114	14	1:10	S	Section of [132] slot 3
115	15	1:10	S	Section of [151]
116	15	1:20	P	Plan of [151]
117	16	1:10	S	Section of [153]
118	16	1:20	P	Plan of [153]
119	15	1:20	P	Plan of [155]
120	15	1:10	S	Section of [155]
121	15	1:20	P	Plan of [155]
122	15	1:10	S	Section of [161]
123	15	1:20	P	Plan of [161]
124	17	1:10	S	Section of [159]
125	17	1:20	P	Plan of [159]
126	17	1:10	S	Section of [157]
127	17	1:20	P	Plan of [157]
128	17	1:10	S	Section of [184]
129	17	1:20	P	Plan of [184]
130	16	1:20	P	Section of [186]
131	16	1:10	S	Section of [186]
132	16	1:10	S	Plan of [146]
133	16	1:20	P	Section of [145]
134	16	1:20	S	Plan of [165]
135	16	1:20	P	Section of [146]
136	16	1:10	S	Plan of [188]
137	16	1:20	P	Section of [188]
138	17	1:10	S	Section of [204]
139	17	1:20	P	Plan of [204]
140	18	1:20	S	Section of [196]
141	18	1:20	P	Plan of [196]
142	18	1:10	S	Section of [218]
143	18	1:10	P	Plan of [218]
144	17	1:20	P	Plan of [216]
145	17	1:10	S	Section of [216]

APPENDIX 4: Samples Register

Sample No.	Context	Sample type	Volume
01	005	Bulk	<10L
02	046	Bulk	<10L
03	053	Bulk	10L
04	055	Bulk	10L
05	021	Bulk	10L
06	025	Bulk	10L
07	027	Bulk	10L
08	029	Bulk	10L
09	070	Bulk	>10L
10	072	Bulk	10L
11	023	Bulk	10L
12	074	Bulk	10L
13	076	Bulk	10L
14	082	Bulk	10L

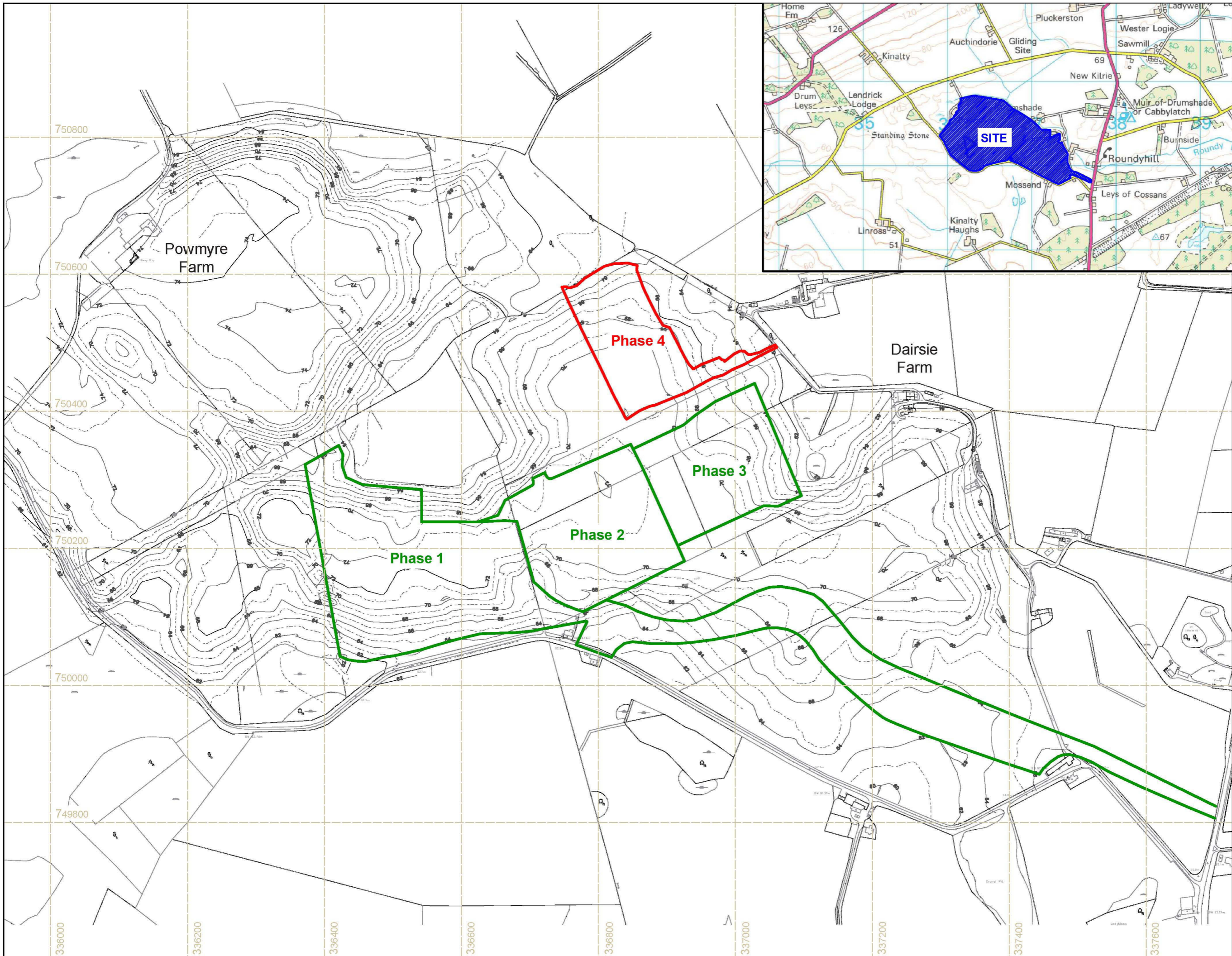
Sample No.	Context	Sample type	Volume
15	085	Bulk	10L
16	084	Bulk	10L
17	078	Bulk	10L
18	087	Bulk	10L
19	088	Bulk	10L
20	090	Bulk	10L
21	098	Bulk	10L
22	100 upper	Bulk	10L
23	100 lower	Bulk	10L
24	100 charcoal	Charcoal	-
25	106	Bulk	10L
26	096	Bulk	10L
27	102	Bulk	10L
28	111	Bulk	10L
29	108	Bulk	10L
30	108 base	Bulk	10L
31	110	Bulk	10L
32	113	Bulk	10L
33	122	Bulk	10L
34	115	Bulk	10L
35	129	Bulk	10L
36	134	Bulk	10L
37	131	Bulk	10L
38	136	Bulk	10L
39	138	Bulk	10L
40	147	Bulk	10L
41	143	Bulk	10L
42	150	Bulk	10L
43	152	Bulk	10L
44	154	Bulk	10L
45	148	Bulk	20L
46	156	Bulk	10L
47	162	Bulk	10L
48	160	Bulk	10L
49	158	Bulk	10L
50	185	Bulk	10L
51	187	Bulk	10L
52	197	Bulk	10L
53	219	Bulk	3L
54	190	Bulk	20L
55	166	Bulk	10L
56	170	Bulk	10L

APPENDIX 5: Finds Quantification

Context	Find type	No.	Wt (g)	Notes	Spotdate
088	Charcoal	2	1	Nutshell	
088	Charcoal	2	1		
088	Lithics	1	24	Flint	Preh
088	Lithics	6	68	Flint	Preh
088	Pot	30	526	Inc. rims	M-L Neo
090	Pot	175	2248	Inc. rims	M-L Neo
096	Pot	149	934		E Neo
098	Pot	6	75		E Neo
100	Pot	16	250	Inc. rims and carinations	E Neo
106	Pot	45	302	Inc. rims and carinations	E Neo
111	Pot	6	40		E Neo
113	Lithics	1	3	Flint	Preh
113	Lithics	2	35	Quartz	Preh
113	Pot	236	917	Inc. rims and carinations	E Neo
115	Pot	7	99	Inc. rims and carinations	E Neo
122	Pot	90	403	Inc. rims and carinations	E Neo
166	Animal bone	1	1		
166	Lithics	1	6	Flint	Preh
166	Pot	25	265		E Neo
169	Lithics	1	16	Quartz	Preh
169	Pot	33	282		E Neo
170	Lithics	1	2	Quartz	Preh
170	Pot	77	1010	Inc. rims and carinations	E Neo
190	Lithics	2	20	Quartz	Preh
190	Pot	112	1445	In. rims and carinations	E Neo

APPENDIX 6: Discovery and Excavation in Scotland Entry

LOCAL AUTHORITY:	Angus Council
PROJECT TITLE/SITE NAME:	Powmyre Quarry, Archaeological Watching Brief on Phase 4
PROJECT CODE:	POWM
PARISH:	Airlie
NAME OF CONTRIBUTOR:	Barton, T
NAME OF ORGANISATION:	CFA Archaeology Ltd
TYPE(S) OF PROJECT:	Excavation
NMRS NO(S):	N/A
SITE/MONUMENT TYPE(S):	Neolithic and later prehistoric settlement
SIGNIFICANT FINDS:	Neolithic pottery, flint scraper
NGR (2 letters, 6 figures)	NO 3685 5050
START DATE (this season)	08/05/2013
END DATE (this season)	31/05/2013
PREVIOUS WORK (incl. DES ref.)	Ansell J, (DES 2004,18), Bailey E, (DES 2007, 31), Humble J (DES 2008, 28), Robertson A, (DES 2009, 30), Masser P (DES 2010, 31)
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	Topsoil stripping was monitored by CFA Archaeology Ltd (CFA) at Powmyre Quarry, Angus during May 2013. The work was commissioned by Breedon Aggregates. Three previous phases of archaeological monitoring had been undertaken by Headland Archaeology between 2004 and 2010. This phase of work (Phase 4) involved monitoring a topsoil strip on an area to the north of current quarry operations. The earliest features discovered were a domestic timber structure and group of pits dating to the Early to Mid Neolithic period. Further prehistoric remains were found to the south including series of pits containing grooved ware and other domestic material which associated with burnt areas. Nearby an 8-post rectangular structure was uncovered which probably dates to the Late Bronze Age. On the east side of the stripped area was a Medieval or Post Medieval corn drying kiln and remains relating to the demolished farmstead of Cranford. Post-Medieval Rig and Furrow was present across the stripped area.
PROPOSED FUTURE WORK:	Further phases pending
CAPTION(S) FOR ILLUSTRS:	N/A
SPONSOR OR FUNDING BODY:	CgMs Consulting on behalf of Breedon Aggregates
ADDRESS OF MAIN CONTRIBUTOR:	CFA Archaeology Ltd, Old Engine House, Eskmills Park, Musselburgh, EH21 7PQ.
EMAIL ADDRESS:	info@cfa-archaeology.co.uk
ARCHIVE LOCATION (intended/deposited)	Archive to be deposited in NMRS, Reports lodged with SMR and NMRS.



- Key:
- Current Phase
 - Previous Phases

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Fig. No:	1	Revision:	A
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Title:
Site Location

Project:
Archaeological Watching Brief at
Powmyre Sand and Gravel
Quarry, Glamis, Angus; Phase 4
works

Client:
Breedon Aggregates

Scale at A3:
1:5000

Drawn by:	Checked:	Report No:
TB	MJ	3039

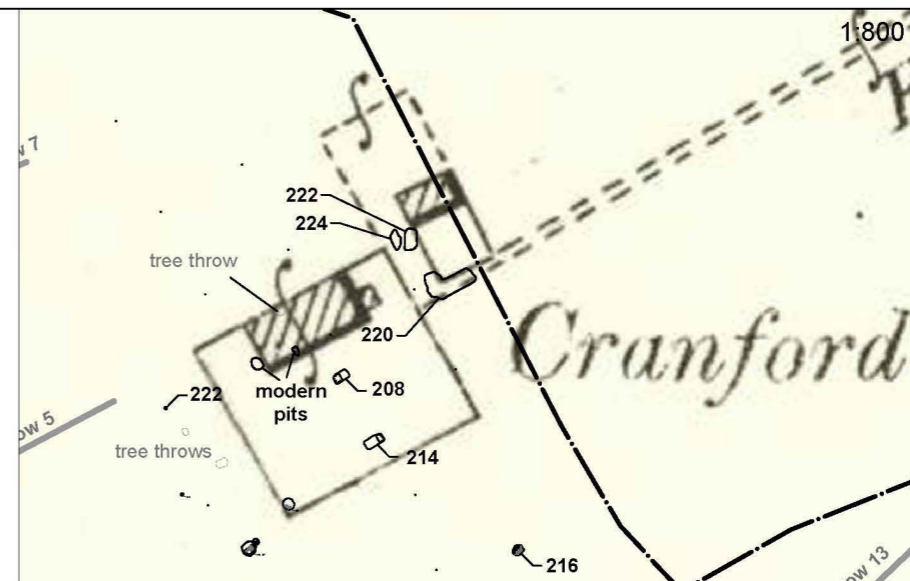




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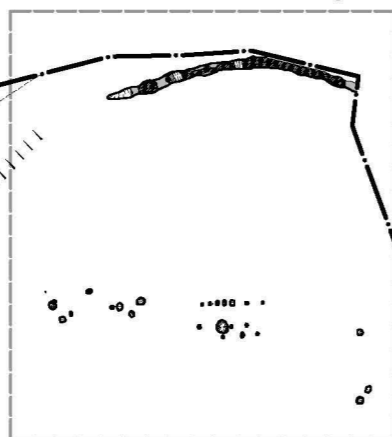
— Post-Medieval Furrows

1:800

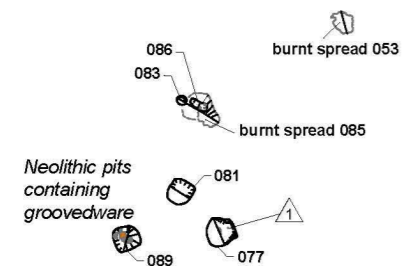
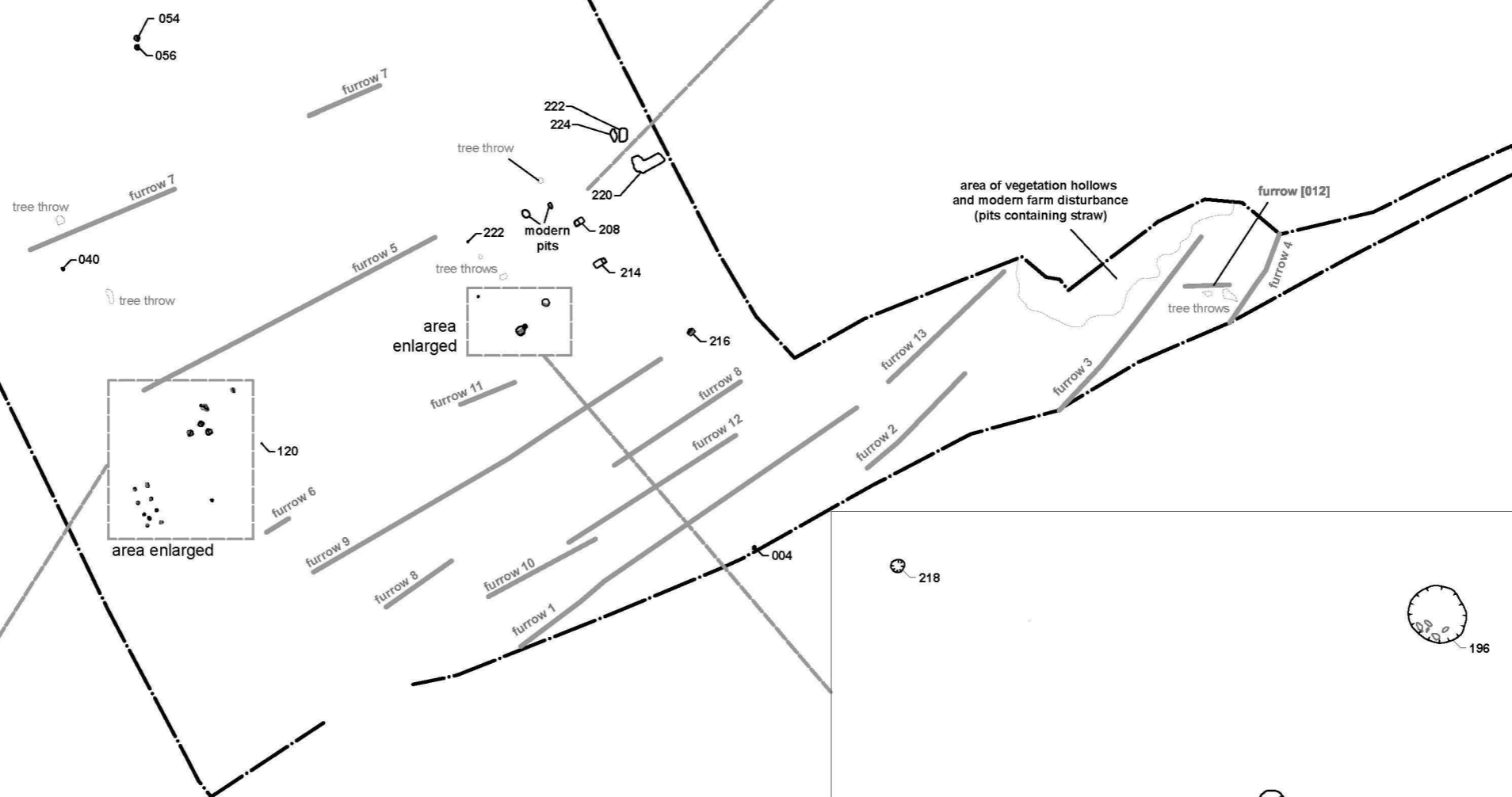


Area Shown on the 2nd edition 1902 OS Map (25 inch)

Features at N end of site, see Fig 3

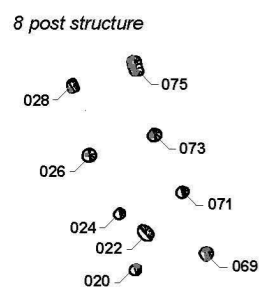


Soil bund
palaeochannel 036
silt 125 at foot of natural slope
palaeochannel 036



Neolithic pits containing groovedware

burnt spread 053
burnt spread 085



8 post structure

1:250

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Fig. No: 2 Revision: A

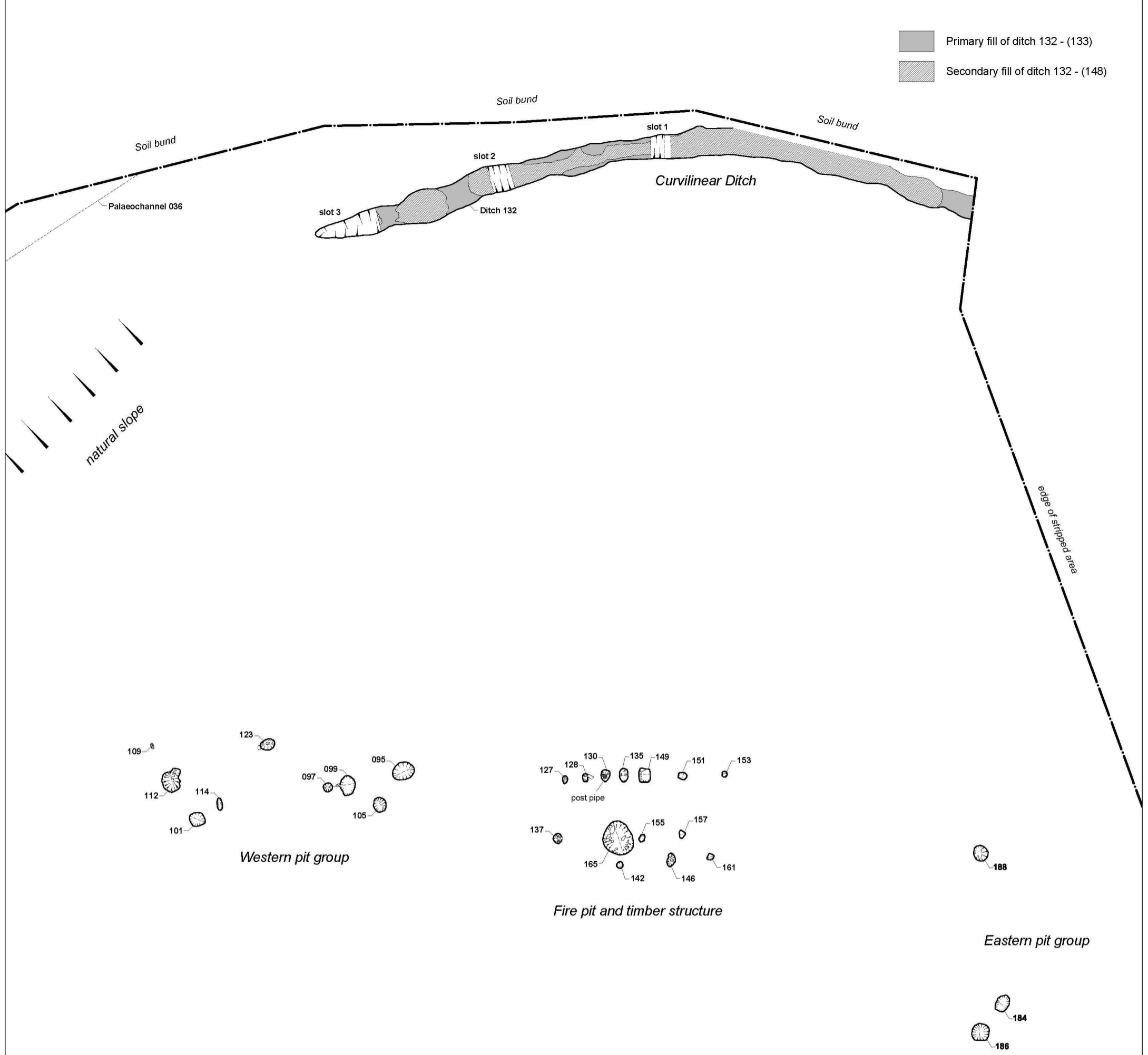
Title:
Detailed plan of stripped area showing archaeological features

Project:
Powmyre Quarry, Phase 4

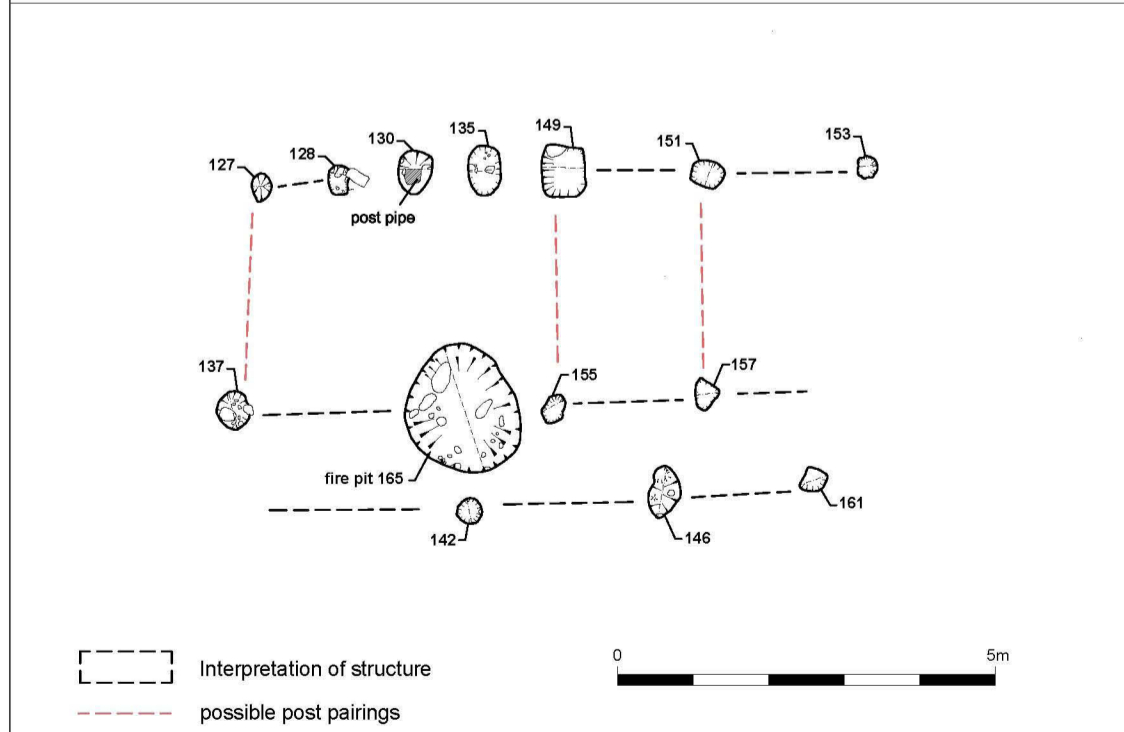
Client:
Breedon Aggregates

Scale at A3:
Main plan, 1:1000; others as shown

Drawn by: TB Checked: MJ Report No: 3039



Fire pit and timber structure enlarged



[---] Interpretation of structure
 - - - - possible post pairings

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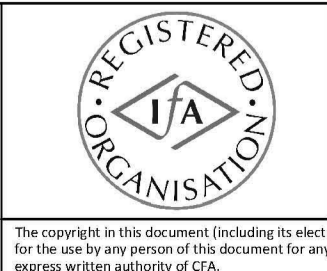


Fig. No: 3	Revision: A	Drawn by: TB	Checked: MJ	Report No: 3039	Scale at A3: 1:200, inset 1:100
Title: Detailed plan of features at the N end of stripped area			Project: Powmyre Quarry, Phase 4		Client: Breedon Aggregates
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Fig. 4 - The 8 post structure, looking N



Fig. 5 - Grooved ware in Pit 089, looking W



Fig. 6 - Kiln structure 107, looking N



Fig. 7 - Ditch 032, looking W



Fig. 8 - Pottery in pit 112, looking W



Fig. 9 - Excavating fire pit 165, looking E

Fig. No: 4-9	Revision: A	Project: Powmyre Quarry, Phase 4
Drawn by: TB	Checked: MJ	Report No: 3039
		Client: Breedon Aggregates Ltd



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Fig. 10 - Post holes and fire pit at N end of stripped area, looking W



Fig. 11 - Pits at N end of stripped area, looking W



Fig. 12 - Furrow 043 revealed during topsoil stripping, looking N

Fig. No: 10-12		Revision: A	Project: Powmyre Quarry, Phase 4		
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