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Geophysical Survey

Powmyre Quarry Glamis, Angus, Phase 4

Monitored Topsoil Strip

Data Structure Report No. 3467

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**Powmyre Quarry
Glamis, Angus, Phase 4**

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1. INTRODUCTION

1.1 General

This report presents the results of a monitored topsoil strip undertaken by CFA Archaeology Ltd (CFA) in July 2016 at Powmyre Quarry, near Glamis, Angus (NO 3690 5058) (Fig.1). 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 (Fig. 1). This work recorded a variety of archaeological remains cut into geological deposits of sand and gravels, truncated by ploughing and sealed by topsoil (Simonsson 2007;Humbie 2008; Robertson 2009; Masser 2010).

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.

CFA carried started Phase 4 of the works in May 2013 (Barton & Hunt 2013) (Fig. 1). A suite of postholes uncovered were interpreted as a Neolithic timber structure containing a large fire pit associated with cooking. Two other groups of pits were identified, one of which contained Early to Middle Neolithic pottery. A subsequent programme of soil stripping monitored by CFA in February 2016 (Kirby and Hickman 2016) (Fig. 1) on a narrow strip of ground between the Phase 3 and Phase 4 areas identified four modern pits and an undated pit.

This report covers the stripping of the remaining Phase 4 area which was not stripped during the 2013 works (Figs 1 & 2).

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 Chartered Institute for Archaeologists' Standards and Guidance and Code of Conduct.

2.2 Monitored Topsoil Strip

An area of approximately 0.75ha was stripped to expose the clean natural subsoil (Fig.3). 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.

A number of archaeological features were identified and were subsequently excavated.

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 archaeological features were recorded using industry standard survey equipment.

3. ARCHAEOLOGICAL RESULTS

3.1 General

Numbers in bold refer to contexts, a full list of which is contained in Appendix 1.

Across the development area the soils generally consisted of 0.3m of dark brown silty loam topsoil (**001**) overlying free-draining orange-brown sand or sandy gravel natural (**002**). A dip in the natural topography was noted along the north-eastern edge of the site where the natural subsoil consisted of poorly-draining grey clays (See Fig. 3).

The features identified consisted of twenty-one pits, a burnt spread, a curvilinear gully (possible enclosure), and two linear gullies. The location of these features is shown on Figure 2. A description of all of the features is given in Appendix 4 and further details of key features are given in the following text.

3.2 Archaeological Features

Pit Features

Twenty-one pit features of various sizes were identified. These were situated within the southern part of the stripped area where the natural subsoil largely consisted of sand. The majority of these pits contained fills consisting of very dark humic material. Some of the very dark colouring may have derived from general burning within the area (stubble or muir burning), but there was no evidence of larger charcoal fragments implying in situ burning. In the absence of any significant archaeological finds from these features, the majority are considered most likely to relate to earlier small-scale sand and gravel extraction. A track depicted on the Second Edition Ordnance Survey map running through this area to a farmstead at Cranford would have provided easy access for the removal of any quarried material. Two sherds of medieval pottery, a post-medieval clay pipe stem and a fragment from a cast-iron vessel were recovered from Pit **229**. Pit **307** contained a modern cow burial and was not excavated. Examples of excavated pits are shown in Figs. 5-8.

Burnt Spread

Feature **226** (Fig.4) consisted of an irregular thin spread of sandy ash/cinders measuring 0.8m NE to SW by 0.3m by 0.02m deep. The natural sand at the base of this spread was slightly redder than the surrounding natural indicating that it had been burnt in situ. No finds were identified.

Possible enclosure

During the monitoring work what was thought to be part of a double ditched ovoid enclosure was identified. Following further machine stripping and hand cleaning it became clear that there was a curvilinear gully (**262**) and inside of this were two straight lengths of gully (**263** & **305**) that converged to almost meet at a right angle with each other. Prior to cleaning it had been thought that the internal gullies were concentric to the external gully. The curvilinear gully (**262**) extending from beneath the north-eastern edge of the stripped area before curving round in a northerly

direction and exiting the area further to the north along the same north-eastern edge. A total length of c.77m was uncovered but the survival of this feature was very variable with around 20m of it having been almost completely removed. Seven slots (Figs .9 and 10) excavated through this feature showed that it survived to a maximum depth of 0.6m in Slot 3 and had a maximum width of 2.1m. However, in Slot 5 it only had a depth of only 0.09m and a width of 0.48m, while the line of it between Slot 5 and Slot 6 was only visible as traces of darker earth between the stones in the natural. Two fills were identified within the deeper slots (Slot 1 and Slot 3): the upper fill (**286**) consisted of greyish-brown silty sand with numerous small rounded stones, while the lower fill (**287**) consisted of dark-grey silty sand with numerous small rounded stones. Fill **286** only was identified within Slot 2 and Slots 4-7.

This gully had been excavated around a low lying hollow where the natural subsoil consisted of poorly draining grey clays, whereas the surrounding area consisted of free-draining sands and gravels. Consequently, it is considered likely that it had been excavated either to demarcate the wet area or to assist in some form of drainage

Internal to the curvilinear gully were two linear gullies (**263** and **305**). Gully **263** ran in a west to east direction, exiting the area along the north-eastern edge, while Gully **305** was north to south aligned with a clearly defined terminus at either end. These gullies had maximum widths of 1m and 0.8m and maximum depths of 0.13m and 0.36m respectively. Gully **263** had a length of 29m as exposed and Gully **305** had a length of 22.5m. A single sherd of white-glazed pottery was identified within the fill of Gully **305** but was not retained.

3.3 Finds by Christina Hills

All of the finds from the excavation are from Pit **229** and included a mix of post medieval/medieval material. There was two pieces of pottery which are part of the base of one vessel, one clay pipe stem and a large iron cooking vessel which was in several pieces.

4. CONCLUSION

A monitored topsoil strip was carried out in advance of quarrying at Powmyre Quarry. The features identified consisted of a burnt spread, twenty-one pits, two linear gullies and a curvilinear gully. The pits were predominantly located within areas of sandy subsoil and some of them may represent evidence of earlier sand and gravel quarrying. Two sherds of medieval pottery, a post-medieval clay pipe stem and a fragment of a cast-iron vessel were recovered from one of the pits (229).

The curvilinear gully was only partially uncovered, but appeared to have been excavated around the edge of a low-lying hollow containing poorly draining grey clay. It is possible that it represents the remains of an enclosure, but the limits of this programme of works meant that this could not be proven. The two linear gullies within the curvature of the curvilinear gully are likely to have an agricultural origin. A single sherd of white glazed pottery was identified within one of the linear features, but there were no artefacts of archaeological significance recovered.

The majority of the features contained very dark humic deposits. Examination of the soil structure under a microscope suggests a degree of general burning within the area (stubble or muir burning), but there were no larger fragments or concentrations of charcoal suggesting in situ burning.

A summary statement of the results of this programme of works will be submitted for publication in *Discovery and Excavation in Scotland* on completion of the whole project. At this time an online OASIS entry will be completed.

The project archive, comprising all CFA record sheets, maps and reports, will be deposited with Historic Environment Scotland and copies of reports will be lodged with the Aberdeenshire Council Sites and Monuments Record.

5. REFERENCES

Barton, T and Hunt, R (2013) *Powmyre Quarry, Angus, Phase 4: Monitored topsoil strip and archaeological excavation* CFA Data Structure Report No. 3039

Humbie, J. (2008) *Data Structure Report of an Archaeological Watching Brief at Powmyre Sand and Gravel Quarry, Glamis, Angus Phase 1 Additional Works* Headland Archaeology Ltd.

Kirby, M and Hickman, S (2016) *Powmyre Quarry, Angus: Monitored topsoil strip* CFA Data Structure Report No. 3420

Masser, P. (2010) *Data Structure Report of an Archaeological Watching Brief at Powmyre Sand and Gravel Quarry, Glamis, Angus Phase 3 Works* Headland Archaeology Ltd.

Robertson, A. (2009) *Data Structure Report of an Archaeological Watching Brief at Powmyre Sand and Gravel Quarry, Glamis, Angus Phase 2 Works* Headland Archaeology Ltd.

Simonsson, M. (2007). *Data Structure Report of an Archaeological Watching Brief at Powmyre Sand and Gravel Quarry, Glamis, Angus Phase 1 Additional Works.* Headland Archaeology Ltd.

APPENDIX 1: Context Register (continued from earlier phases)

Context no.	Fill of	Description
226		Spread of black ash/cinders
227		Cut of shallow heart shaped pit
228	227	Mid-brown sandy-silt fill of Pit 227. Occasional fire-cracked stone and charcoal flecks
229		Cut of rectangular pit
230	229	Dark-brown sandy-silt fill of Pit 229
231		Cut of sub-circular pit
232	231	Grey/dark-brown silty-sand fill of Pit 231
233		Cut of sub-circular pit
234	233	Dark-brown sandy-silt upper fill of Pit 233
235	233	Light orangey-brown fill of Pit 233
236	233	Black sandy-silt lense within Pit 233
237	233	Lense of orangey-yellow sand within Pit 233
238	233	Dark-grey sandy-silt basal fill of Pit 233
239	233	Orangey yellow sand fill of Pit 233
240	233	Black charcoal rich fill of Pit 233
241		Cut of circular pit (cut by Pit 243)
242	241	Mid to dark-brown silty-sand fill of Pit 241
243		Cut of sub-circular pit
244	243	Black silty-sand basal fill of Pit 243
245	243	Dark-brown silty-sand fill of Pit 243
246		Cut of rectangular pit
247	246	Brown and grey clay and sandy-silt upper fill of Pit 246
248	246	Thin clay deposit at the base of Pit 246
249		Cut of irregular linear pit
250	249	Dark-brown sandy-silt fill of Pit 249
251	249	Dark-brown/black charcoal rich fill of Pit 249
252		Cut of sub-oval pit
253	252	Greyish mottled silty-sand fill of Pit 252
254	252	Black silt basal fill of Pit 252
255	252	Pocket of yellow-brown clay within context 254, Pit 252
256		Lense of material overlying Pit 252
257	261	Dark-brown/black silty-sand fill of Pit 261
258		Cut of pit. Truncated by later pit 261
259	258	Dark-brown silty-sand fill of Pit 258
260		Rubble deposit adjacent to Pit 258
261		Cut of oval pit. Truncates earlier pit 258
262		Cut of possible enclosure Gully
263		Cut of linear feature
264	263	Mid-brown sandy-silt fill of Linear 263
265		Cut of irregular pit
266		Cut of sub-oval pit
267		Cut of sub-oval pit
268		Cut of sub-oval pit
269	268	Mid-brown silty-sand fill of Pit 268
270	268	Black silty-sand fill of Pit 268
271	268	Grey-brown silty-sand fill of Pit 268
272	268	Orange-yellow silty sand lenses within Pit 268
273	268	Greyish-brown silty-sand basal fill of Pit 268
274	266	Orangey-brown sand fill of Pit 266
275	266	Greyish-black sandy-silt fill of Pit 266
276	266	Brown/orange sand fill of Pit 266
277	266	Black sandy-silt fill of Pit 266
278	266	Dark-grey silty-sand fill of Pit 266

Context no.	Fill of	Description
279	266	Grey sandy-silt fill of Pit 266
280		Cut of sub-oval pit
281	280	Dark-brown silty sand fill of Pit 280
282	267	Greyish-black silty-sand fill of Pit 267
283	267	Black silty-sand fill of Pit 267
284	267	Black silty sand fill of Pit 267
285	265	Black sandy-silt fill of Pit 265
286	262	Greyish dark-brown upper fill of Gully 262
287	262	Dark-grey silty-sand basal fill of Gully 262
288		Cut of sub-circular pit
289	288	Dark greyish-black clayey-sand basal fill of Pit 288
290	288	Greyish-brown clayey-sand fill of Pit 288
291	288	Black silty-sand fill of Pit 288
292		Cut of linear pit
293	292	Dark greyish-brown clayey-sand fill of Pit 292
294		Cut of large sub-oval pit
295	294	Grey-brown clayey sand fill of Pit 294
296	294	Orange-brown sandy-gravel fill of Pit 294
297	294	Dark-grey/black sandy-silt fill of Pit 294
298		Cut of large sub-oval pit
299	298	Brown/black silty sand fill of Pit 298
300	298	Orangey-brown silty-sand fill of Pit 298
301	298	Greyish-brown silty sand fill of Pit 298
302	298	Grey orange-brown silty-sand fill of Pit 298
303		Cut of small circular pit
304	303	Dark-brown/black silty sand fill of Pit 303. Contains charcoal
305		Cut of linear Gully
306	305	Mid to dark-brown gravelly-clay fill of Linear 305
307		Cut of rectangular pit containing cow burial (modern, not excavated)
308	307	Dark-brown silty-sand fill of Pit 307. Contains modern cow burial.

APPENDIX 2: Photograph Register

Photo No.	Summary description of subject	Taken from
1	Spread 266, pre-excavation	SW
2	Spread 266, half sectioned	SW
3	Spread 266, SW-facing section	SW
4	Pit 227, pre-excavation	SSE
5	Pit 227, plan shot showing features half-sectioned	SSE
6	Pit 227, WSW-facing section	WSW
7	Pit 229, pre-excavation	NE
8-10	Pit 229, SW-facing section	SW
11	Pit 231, pre-excavation	SW
12	Pit 231, half sectioned	SW
13	Pit 231, SW-facing section	SW
14	Pit 233, pre-excavation	SW
15	Pit 233, half sectioned	NE
16-18	Pit 233, NE-facing section	NE
19	Pit 241, pre-excavation	East
20	Pit 246, pre-excavation	NE
21	Linear pit 261, pre-excavation	NW
22	Pit 241, west-facing section	West
23	Pit 241, west-facing section (detail)	West
24	Pit 246, plan shot of pit	West
25	Pit 246, plan view of clay surface	SW
26	Pit 246, plan view of clay surface	NE

Photo No.	Summary description of subject	Taken from
27	Pit 246, plan view of clay surface	SE
28	Pit 246, SW-facing section of sondage	SW
29-30	Pit 246, plan view of clay surface	NE
31	Pit 261 pre-excavation	SE
32	Pit 246, SW-facing section	SW
33	Pit 246, SW-facing section	SW
34	Pit 246, oblique shot of SW-facing section	West
35	Pit 246, oblique shot of SW-facing section	East
36	Pit 246, plan view of half-sectioned pit	SW
37	Pits 258/261, SE-facing section	SE
38	Pit 261, SE-facing section	ESE
39	Pit 258, SE-facing section	ESE
40	Pit 258, SE-facing section (detail)	ESE
41	Pit 261, SE-facing section	ESE
42	Pit 249, pre-excavation	SW
43	Pit 252, pre-excavation	SE
44	Pit 249, SW-facing section	SW
45	Pit 249, SW-facing section	SW
46	Pit 249, post-excavation plan shot	SW
47	Pit 252, SE-facing section	SE
48	Pit 252, plan view of half-sectioned pit	SE
49	Void	N/A
50	Gully 262, Slot 1, west-facing section	West
51-52	Gully 262, Slot 1, west-facing section	West
53	Gully 263, Slot 1, plan shot	SSW
54	Gully 263, Slot 1, SE-facing section	SE
55	Gully 263, Slot 1, NW-facing section	NW
56	Gully 262, Slot 1, east-facing section	East
57	Pit 265, pre-cleaning	SW
58	Pit 265, pre-excavation	SW
59	Pit 265, pre-excavation (close up)	SW
60	Pit 267, pre-excavation	NNW
61	Pit 266, pre-excavation	SW
62	Pit 266, SE-facing section	SE
63	Pit 266, SE-facing section oblique shot	South
64	Pit 266, SE-facing section oblique shot	East
65	Pit 266, SE-facing section	SE
66	Pit 266, plan shot of half-sectioned pit	NE
67	Pit 266, plan shot of half-sectioned pit	SW
68	Pit 267, pre-excavation	SW
69	Pit 268, plan shot of half-sectioned pit	West
70	Pit 268, west-facing section	West
71	Pit 268, west-facing section	West
72	Pit 267, SE-facing section	SE
73	Pit 267, oblique shot of SE-facing section	South
74	Pit 267, oblique shot of SE-facing section	West
75	Pit 267, plan view of west-facing section	SW
76	Pit 280, pre-excavation plan	NE
77	Pit 265, south-facing section	South
78	Pit 265, plan view showing feature half-sectioned	South
79	Pit 280, SE-facing section	SE
80	Pit 280, plan view showing feature half-sectioned	SE
81	Pit 298, pre-excavation	NE
82-83	Pit 298, south-facing section	South
84-85	Pit 298, west-facing section	West
86	Pit 294, pre-excavation	South
87	Pit 288, pre-excavation	South

Photo No.	Summary description of subject	Taken from
88	Pit 288, west-facing section	West
89	Pit 288, north-facing section	North
90	Pit 288, east-facing section	East
91	Pit 288, south-facing section	South
92	Pit 288, general shot of half-sectioned pit	SE
93	Pre-excavation shot of disregarded pit (not archaeological)	North
94	Pit 294, SSE-facing section	SSE
95	Pit 294, ENE-facing section	ENE
96	Pit 294, NNW-facing section	NNW
97	Pit 294, WSW-facing section	WSW
98-99	Pit 294, general post-excavation shot	South and North
100	Pit 307 (modern cow burial, not excavated)	North
101	Pit 292, pre-excavation	ENE
102	Pit 292, east-facing section	East
103	Linear 292, west-facing section	West
104	Pit 292, general post-excavation shot	NW
105	Pit 298, west-facing section	West
106	Pit 298, west-facing section	West
107	Pit 298, general post-excavation shot	East
108	Pit 298, general post-excavation shot	East
109	Pit 303, pre-excavation	South
110	Pit 303, south-facing section	South
111	Pit 303, post-excavation	South
112	Gully 262, Slot 2, pre-excavation	NE
113	Gully 262, Slot 2, post-excavation	SW
114	Gully 262, Slot 2, post-excavation	NW
115	Gully 262, Slot 4, post-excavation	East
116	Gully 262, Slot 4, post-excavation	South
117-118	Gully 262, Slot 3, WSW-facing section	WSW
119-120	Gully 262, Slot 3, ENE-facing section	ENE
121	Gully 262, Slot 5, post-excavation	NE
122	Gully 262, Slot 6, pre-excavation	East
123	Gully 262, Slot 6, post-excavation	SE
124	Gully 262, Slot 6, post-excavation	SW
125	Gully 262, Slot 6, SW-facing section	SW
126	Gully 262, Slot 6, NE-facing section	NE
127	Gully 305, Slot 4, pre-excavation shot of terminus	SSW
128	Gully 262, Slot 7, pre-excavation	SSW
129	Gully 262, Slot 7, plan view	West
130-131	Gully 262, Slot 7, SSW and NNE facing sections	SSW and NNE
132	Gully 305, Slot 1, east-facing longitudinal section of terminus	East
133	Gully 305, Slot 2, south-facing section	South
134	Gully 305, Slot 3, south-facing section	South
135	Gully 263, Slot 1, east-facing section	East
136	Gully 263, Slot 1, west-facing section	West
137-138	Gully 305, Slot 4, north-facing section	North
139	Gully 305, Slot 1 (terminus), south-facing section	South
140	Gully 305, Slot 1 (terminus), general post-excavation shot	East
141-142	General site shots from spoil heaps	Various
143-146	Sequence of shots showing Gully 262	Various
147-154	General post-excavation shots of area	Various

APPENDIX 3: Drawings Register (continued from earlier phases)

Dwg No.	Sheet No.	Scale	Plan / Section	Description/contexts
146	101	1:10	P	Spread 226, plan
147	101	1:10	S	Spread 226, SW-facing section
148	101	1:20	P	Pit 227, plan
149	101	1:20	S	Pit 227, WSW-facing section
150	101	1:20	P	Pit 229, plan
151	101	1:20	S	Pit 229, SW-facing section
152	101	1:20	P	Pit 231, plan
153	101	1:20	S	Pit 231, SW-facing section
154	101	1:10	S	Pit 233, NE-facing section
155	102	1:20	P	Pit 233, plan
156	100	1:10	S	Pit 241/243, west-facing section
157	100	1:20	P	Pit 241/245, plan
158	100	1:10	S	Pit 249, SW-facing section
159	100	1:20	P	Pit 249, plan
160	100	1:10	S	Pit 258/261, ESE-facing section
161	100	1:20	P	Pit 258/261, plan
162	100	1:10	S	Linear 263, Slot 2, NE-facing section
163	100	1:20	P	Gully 263, Slot 2, plan
164	102	1:20	S	Pit 252, SW-facing section
165	102	1:20	P	Pit 252, plan
166	102	1:20	S	Pit 246, SW-facing section
167	102	1:20	P	Pit 246, plan
168	102	1:20	S	Gully 262, Slot 1, W-facing section
169	103	1:20	S	Pit 268, W-facing section
170	103	1:20	P	Pit 268, plan
171	103	1:10	S	Pit 280, SE-facing section
172	103	1:20	P	Pit 280, plan
173	104	1:20	S	Pit 266, SE-facing section
174	104	1:20	P	Pit 266, plan
175	104	1:20	S	Pit 265, S-facing section
176	104	1:20	P	Pit 265, plan
177	104	1:20	S	Pit 267, SE-facing section
178	104	1:20	P	Pit 267, plan
179	105	1:20	S	Pit 288, south and east facing sections
180	105	1:20	S	Pit 288, north and west facing sections
181	105	1:20	P	Pit 288, plan
182	106	1:20	S	Pit 292, east-facing section
183	106	1:20	P	Pit 292, plan
184	105	1:20	P	Pit 294, plan
185	105	1:20	S	Pit 294, ENE and SSE facing sections
186	105	1:20	S	Pit 294, WSW and NNW facing sections
187	107	1:20	P	Pit 298, plan
188	107	1:20	S	Pit 298, west-facing section
189	105	1:20	S	Pit 303, south-facing section
190	105	1:20	P	Pit 303, plan
191	107	1:10	S	Gully 262, Slot 2, SW-facing section
192	107	1:10	S	Gully 262, Slot 4, west-facing section
193	107	1:10	S	Gully 262, Slot 5, NW-facing section
194	106	1:20	S	Gully 262, Slot 3, WSW-facing section
195	106	1:20	S	Gully 262, Slot 3, ENE-facing section
196	106	1:20	P	Gully 262, Slot 3, Plan
197	107	1:10	S	Gully 262, Slot 6, SW-facing section
198	107	1:10	S	Gully 262, Slot 7, south-facing section
199	108	1:20	S	Gully 305, Slot 4, NW-facing section

200	108	1:20	P	Gully 305, Slot 4, plan
201	108	1:20	S	Gully 305, Slot 3, SE-facing section
202	108	1:20	P	Gully 305, Slot 3, plan
203	106	1:20	S	Gully 263, Slot 1, west-facing section
204	106	1:20	S	Gully 305, Slot 1, longitudinal section of terminus
205	106	1:20	P	Gully 305, Slot 1, plan of terminus
206	106	1:20	S	Gully 305, Slot 2, SSE-facing section
207	106	1:20	P	Gully 305, Slot 2, plan

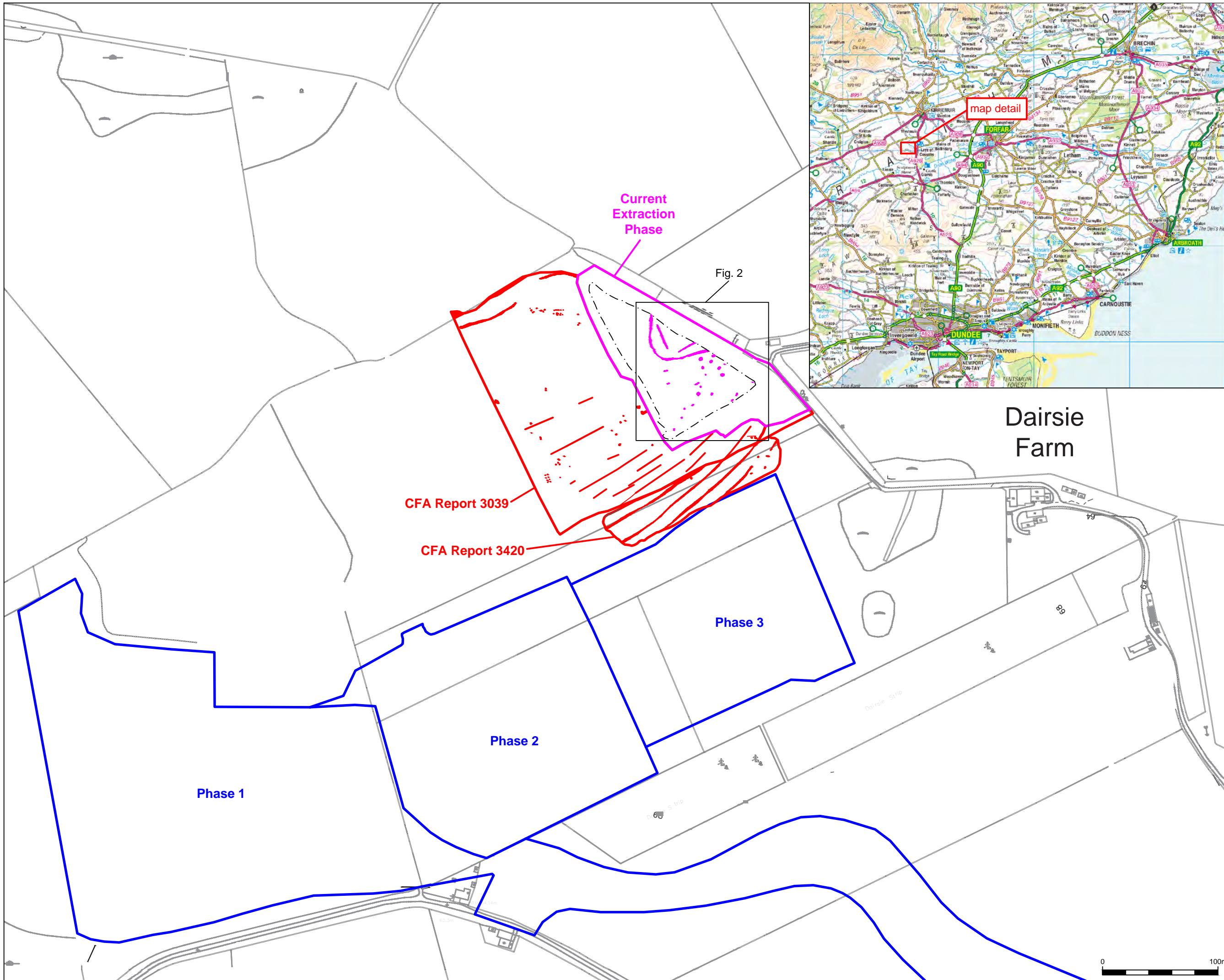
APPENDIX 4: Summary of Features

Feature	Type	Description
226	Spread	Thin spread of burnt material measuring 0.8m by 0.3m by 0.02m deep. Natural sand slightly redder than surrounding natural suggesting burning in situ.
227	Pit	Shallow heart shaped pit measuring 1.1m by 0.7-1.25m by 0.1m deep. Contained mid-brown sandy silt (228).
229	Pit	Rectangular pit measuring 1.7m by 1.8m by 0.3m deep. Contained dark-brown sandy silt fill (230). A fragment of a cast-iron vessel, a clay pipe stem, and two sherds of medieval pottery were recovered from this pit.
231	Pit	Sub-circular pit measuring 1m by 0.9m by 0.25m deep.
233	Pit	Large sub-circular pit measuring 2.2m NE to SW by 1.7m by 0.54m deep. Very black humic soil was identified at the base of this pit.
241	Pit	Circular pit with a diameter of 0.8m and a depth of 0.3m. It had been cut by later pit 24.
243	Pit	Sub-oval pit measuring 1m by 0.85m by 0.29m. It had cut earlier pit 241.
246	Pit	Rectangular pit measuring 2.6m by 1.4m by 0.8m deep. Vertical sides..
249	Pit	Irregular pit measuring 2.1m by 0.75m by 0.1m deep. Traces of charcoal within fill.
252	Pit	Sub-oval pit measuring 2.5m by 1.4m by 0.25m deep. Some charcoal present within fill.
258	Pit	Pit with a width of 1.2m and a depth of 0.26m. Cut by later pit 261 making it impossible to determine its original size.
261	Pit	Sub-oval pit measuring 1m by 0.8m by 0.24m deep. Cuts earlier pit 258
262	Curvilinear Gully	Curvilinear Gully measuring c.80m in length. This feature was only partially uncovered and may be part of a larger enclosure. It had a maximum width of 2.1m and a maximum depth of 0.6m, but a c.20m length had been completely truncated away and no longer survived. The natural substratum on the inside of this feature consisted of grey clay, whereas on the outside it largely consisted of free-draining sand and gravel.
263	Linear Gully	Linear Gully on the inside of Gully 262. Had a length of 29m as exposed and continued beyond the area of excavation. It had a width of 1m and a depth of 0.13m
265	Pit	Irregular pit measuring 0.9m by 0.8m by 0.35m deep.
266	Pit	Sub-oval pit measuring 2.9m by 1.85m by 0.7m deep.
267	Pit	Sub-oval pit measuring 2.7m by 2.1m by 0.9m deep.
268	Pit	Sub-oval pit measuring 3.4m by 2.6m by 0.65m deep.
280	Pit	Sub-oval pit measuring 0.5m by 0.3m by 0.22m.
288	Pit	Sub-circular pit with a diameter of c.2m and a depth of 0.5m.
292	Pit	Elongated pit with a length of 3.5m, a maximum width of 0.8m and a depth of 0.25m.
294	Pit	Sub-oval pit measuring 3.2m by 2.7m by 0.6m deep.

Feature	Type	Description
298	Pit	Sub-oval pit measuring 2.9m by 2.05m by 1.25m.
303	Pit	Small circular pit with a diameter of 0.6m and a depth of 0.12m. Fill contained some charcoal.
305	Linear Gully	Linear Gully on inside of curvilinear Gully 262. Measures 22.5m in length , with a width of 0.8m and a depth of 0.36m. It had a clearly defined terminus at either end.
307	Modern Cow Burial	Rectangular pit containing cow burial. Not excavated.

APPENDIX 5: Finds Register

Context	Find type	No.	Wt (g)	Notes
230	Pottery	2	67	Green glazed base- part of one pot
230	Clay pipe	1	3	Stem
230	Iron	31	987	Cooking vessel



- Key:**
- Current Extraction Phase
 - Previous Phases (Headland)
 - Previous Phases (CFA)
 - Archaeological features
 - Archaeological features
 - Limit of excavation

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Title:
Location Map and general plan of quarry phasing

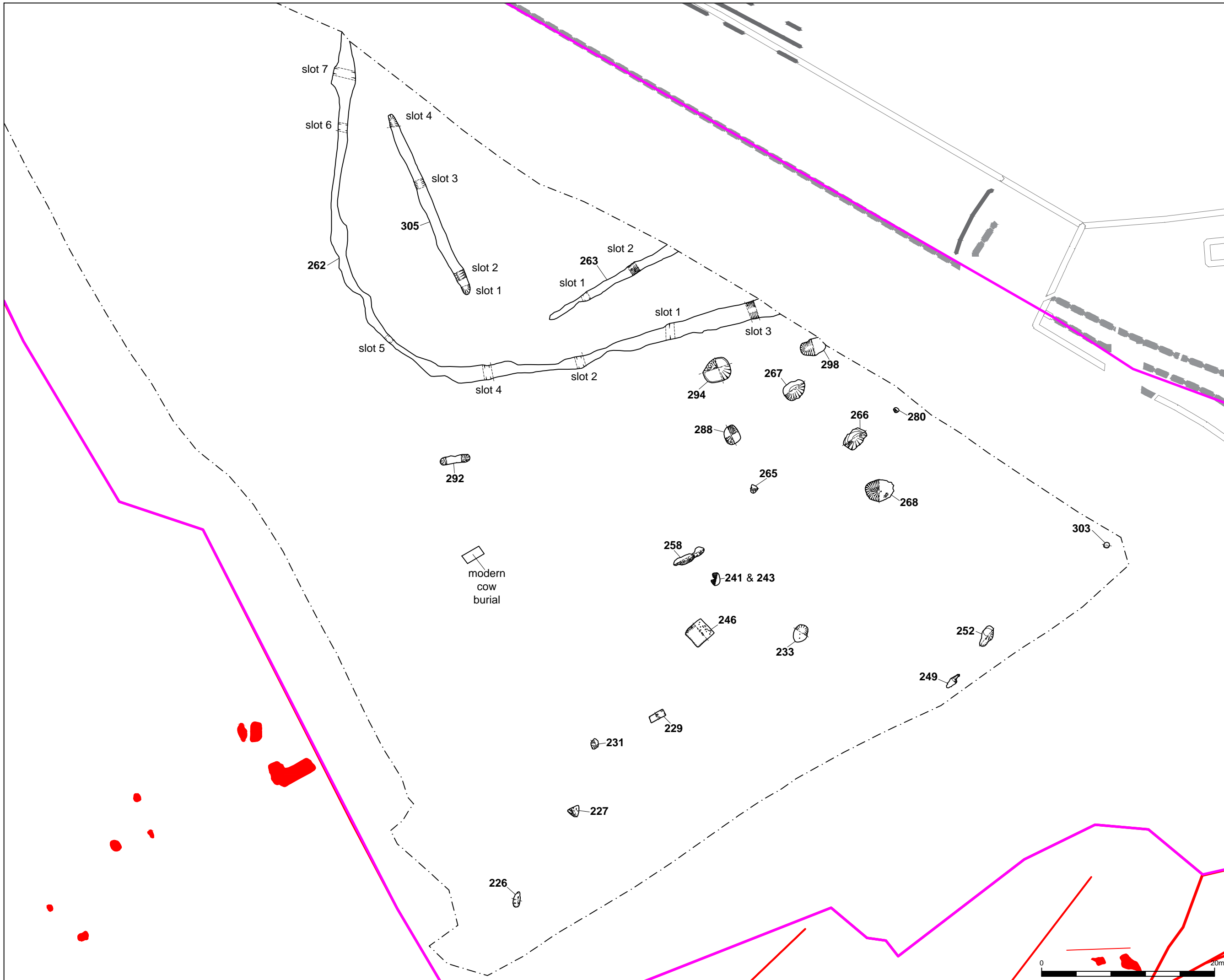
Project:
Powmyre Quarry

Client:
CgMs

Scale at A3:
1: 3,000

Drawn by: GC	Checked: SW	Date: 19/08/2016
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Report.No: 3467	Fig. No: 1
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Key:

- Current Extraction Phase
- Archaeological features
- Limit of excavation
- Archaeological features Previous Phase

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Title:
Plan of features

Project:
Powmyre Quarry

Client:
CgMs

Scale at A3:
1: 400

Drawn by: GC	Checked by: SW	Date: 19/08/2016
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Report.No: 3467	Fig. No: 2
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Fig. 3 General shot of Phase 4 Stage 2



Fig. 4 Burnt spread 226 SW-facing section

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Fig. 5 Pit 298, west-facing section



Fig. 6 Pit 246, SW-facing section

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Fig. 7 Pit 267, SE-facing section



Fig. 8 Pit 298, west-facing section

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Fig. 9 Gully 262, Slot 3, ENE-facing section



Fig. 10 Gully 262, Slot 6, NE-facing section

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Report No: 3467		Fig. No: 9 - 10