

Discovery and Excavation in Scotland – OASIS-type Form (2006)

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NAME OF ORGANISATION:	Kirkdale Archaeology
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MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	Archaeological monitoring was undertaken while sub-contractors undertook the excavation of two soakaways and two drainage channels alongside the current road and SE car parks. An additional day of monitoring was required during the removal of the road's sub-base over a 56.4 m section. During these works a field drain and wall were partially revealed. Neither feature was thought to be earlier than 18 th -century in date.
PROPOSED FUTURE WORK:	
CAPTION(S) FOR ILLUSTRS:	
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Historic Scotland
Properties in Care
Minor Archaeological Works
2006

Caerlaverock Castle

PIC Index No. 90046

Project no: HSCO-90046-2006-03

Archaeological monitoring
of minor excavations
October 2006

3 January 2007
Kirkdale Archaeology

<u>Site</u>	Caerlaverock Castle
<u>N.G.R</u>	NY 025 656
<u>Project Description</u>	Archaeological monitoring
<u>Project Number</u>	HSCO-90046-2006-03

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1.0 INTRODUCTION

Under the terms of its PIC call-off contract with Historic Scotland, Kirkdale Archaeology was asked to undertake archaeological monitoring at Caerlaverock Castle while sub-contractors undertook the excavation of two soakaways and two drainage channels alongside the current road and SE car parks. An additional day of monitoring was required during the removal of the sub-base over a 56.4 m section of the current road.

The work was necessary because the current SE car parks slope away from the road surface in such a way that water draining from the road gathers at the back of the car parks, also causing an accumulation of soil and leaves. The water does not drain freely resulting in boggy ground unsuitable for parking. The drainage channel (Trench 2) and soakaway (Trench 1) on the W side of the current road were intended to work in conjunction with a new road surface cambered to the W, to drain surface water away from the car parks. The drainage channel (Trench 4) and soakaway (Trench 3) to the E of the car parks will drain any remaining water from back of the car parks.

The work was undertaken over five days between 17 and 23 October 2006.

2.0 DESCRIPTION

2.1 Trench 1: 2.50 m x 2.40 m, 1.60 m deep

Work commenced in Trench 1 with the removal of turf and topsoil [101] from a depressed area 2.50 m N-S by 2.40 m E-W, just NE of the outer moat of the castle. Immediately below this, modern refuse was revealed in a dark brown, sandy silt matrix [102]. The extent of this deposit was only partially revealed. In the N and E elevations the cut [108] for this 20th-century dump was clearly defined against the bright orange, sandy subsoil below [109]. In the N elevation, cut [108] began at a depth of 200 mm, tipping W to a depth of 1.50 m. In the E elevation, cut [108] began at a depth of 200 mm tipping S to a depth of approximately 1.00 m where it hit tree bole [110]. In the W elevation the depth of [102] appeared to be approximately 1.50 m. Orange subsoil [109] was visible along the bottom 100 mm of the elevation. In the S elevation [102] extended to the base of the trench.

There were two tree boles in the trench, one in the SE corner [110] and one in the SW corner [104]. There was also a large tree root in the NE corner [111]. All of these were wet and rotten. There was a series of deposits associated with tree bole [104], beginning with mid-brown, sandy silt [103] containing lumps of red sandstone (<200 mm) beneath topsoil [101] in the SW corner. Below this was red/brown silt and gravel [105], then dark brown/black, silt and gravel [106] followed by pale mortar-filled sand and gravel [107]. This discrete series of deposits was confined to the SW corner of Trench 1.

Along the base of the trench at a depth of between 1.55 m and 1.60 m a lead water pipe [113] was revealed projecting from the W section of the trench and running SE towards the S elevation. It was not fully uncovered as the required depth of the trench had already been reached. The cut for this pipe [114] was not very clear since the pipe predates the dump (and therefore most of the cut had been removed) and because in the portion of the cut that remains though subsoil [109], the fill is just redeposited subsoil [109] leaving no clear line.

2.2 Trench 2: 87.20 m x 0.60 m, 0.40 m to 0.60 m deep

Work commenced with the removal of a strip of turf and topsoil [201] leading from the E elevation of Trench 1 to the side of the road. This section of trench was 7.10 m long x 0.60 m wide x 0.60 m deep. This revealed the eastern edge of the 20th-century dump cut [204] filled with 20th-century refuse in a matrix of dark brown, sandy silt [202] c 1.0 m E of the E edge of Trench 1. Orange/pink, sandy subsoil [205] was revealed just along the base of Trench 2 at a depth of 0.60 m for the first metre where it was cut by [204], rising further along the trench to a depth of between 0.40 to 0.50 m from the surface. This continued for c 3.7 m along the trench before dipping below feature [203] (see below). On the W side of this feature orange, sandy, subsoil reappeared at c 5.0 m but it no longer had a pink hue and was much grittier, and was given a separate context number [206].

Between 3.70 m and 5.00 m along the N and S section of Trench 2 loose, mid to dark brown, sandy silt [203] containing small flecks of white mortar or degraded sandstone and stones, dipped below subsoil [205] on the W and [206] on the E. There did not appear to be a cut for this context - it may indicate the site of a removed tree.

7.10 m E of the E edge of Trench 1, Trench 2 reached the side of the road [207] and turned northwards to run alongside the road for 80.10 m. In the W section of the trench, turf and topsoil [201] was above mid to dark red/brown, moderately compact silt [213], and [213] was above orange, sandy subsoil [206]. In the E elevation the tarmac road [207] lay over mid to dark red/brown, moderately compact silt [213], and [213] was above orange, sandy subsoil [206].

Between 2.00 m and 4.00 m N of this turn there was a feature similar to [203] in the W elevation of the trench. This was a loose, mixed deposit of topsoil and mid to dark, red/brown, sandy silt [221] containing several roots and dipped from 0.15 m to 0.55 m depth. No corresponding feature was seen in the E section.

Between 4.60 m and 4.90 m N of the turn in Trench 2 a spread of charcoal [208] was visible in the W section within [213], 50-100 mm thick at a depth of 0.40 m with evidence of *in situ* burning. [208] was sampled from the section (sample no. 1). No corresponding feature was seen in the E section.

Between 7.80 m and 8.80 m N of the turn in Trench 2, cut [209] was clearly visible in the base of the Trench 2, indicated by a colour change between the orange, sandy subsoil [206] and the compact, mottled grey, clay [210] fill of cut [209]. Two red sandstone slabs [211] sat within grey clay [210]. No void was evident beneath the stones suggesting either a silted up drain or the remains of a wall. In the W and E section red sandy silt [212] mixed with patches of topsoil and stone lay above [210] and [211] within cut [209]. In section cut [209] appeared 'U'-shaped - the cut was probably not as clearly defined in section as in the base of the trench because fill [212] was most likely redeposited material similar to the surrounding red/brown silt [213].

Between 16.50 m and 19.90 m N of the turn in Trench 2, a compact, mottled grey, clay [214], with several flecks of charcoal and small pieces of degraded red sandstone, was visible at a depth of 0.55 m in the section and along the base of the trench above [206] and below [213]. Between 16.50 m and 18.60 m [214] was between 50 mm and 100 mm thick and light trowelling soon revealed orange, sandy subsoil [206] along the base of the trench. Between 18.60 m and 19.90 m [214] dipped downwards. At this point a small sondage 250 mm by 250 mm was excavated to

investigate this feature revealing a parabolic cut [215] through [206], filled by [214]. [214] appeared to be 0.30 m deep at its thickest point in the E section of the sondage. So little of this feature was revealed in 0.60 m width of trench that it was difficult to interpret with any certainty. Cut [215] appeared linear, running E-W within the trench and most likely continued to the E and W. Both cut [215] and fill [214] predate [213] indicating that this feature is older than cut [209] and fill [210], [211] and [212].

Between 40.60 m and 43.80 m N of the turn in Trench 2, irregular boulders [218] (0.30 m to 0.60 m) were revealed in the base and E and W sections of the trench within red/brown silt [213] at a depth of 0.30 m - 0.50 m. They formed no coherent structure nothing comparable was seen elsewhere in the trench.

From *c* 49.0 m, and to the end of the trench at 80.1 m N of the turn in Trench 2, the road widens to the W and the trench cuts through the road material. In the W section 50 mm of redeposited turf and topsoil [217] lay above black terram sheeting [216]. Sheeting [216] was above a 50 mm layer of grey aggregate road sub-base and this was above a 200 mm to 250 mm layer of road sub-base, comprising large stones/cobbles (100-200 mm) in a brown/red, sandy matrix above red/brown silt [213]. In the E section a 50 mm layer of grey aggregate road sub-base was above a 200 mm to 250 mm layer of road sub-base, comprising large stones/cobbles (100<200mm) in a brown/red sandy matrix above red/brown silt [213]. From this point the trench was only 0.40 m deep because road was to be built up with a new sub-base and tarmac to create a camber to the W.

2.3 Trench 3: 2.10 m NW-SE x 2.30 m SW-NE x 1.60 m deep

Work commenced with the removal of 100 mm of turf and topsoil [301] from an area 2.10 m by 2.30 m. This revealed dark red/brown, sandy silt containing abundant large roots. At a depth of approximately 0.20 m, field drain packing [304] was revealed running N-S across the trench. Below this was terracotta pipe [303] and dark brown/grey, sandy silt [306], which, along with [304], filled cut [305]. [305] is a 'U'-shaped cut through [302] approximately 0.30 m wide by 0.45 m deep.

Below [302], at a depth of between 0.40 m and 0.60 m, orange, sandy subsoil [307] was revealed in all sections of the trench. This continued to the excavated depth of the trench 1.60m. [307] contained some layers of grey gravel. With the exception of

the field drain [303] there were no features of archaeological significance in Trench 3.

2.4 Trench 4: 45.45 m x up to 0.70 m x 0.50 m deep

Work commenced with the removal of 100 mm of turf and topsoil [401] from a strip 0.60 m wide and 6.75 m long from the NE edge of Trench 3 to the S car park berm [416]. This revealed dark red/brown, sandy silt containing abundant large roots [402] to a depth of 0.50 m. Orange, sandy subsoil [403] was only just revealed along the base of Trench 4 for approximately 1.0 m NE of the edge of Trench 3 after which the extent of excavation only revealed [402].

The S berm [416] delimits the southern edge of the S car park. Excavation through it revealed a mound of topsoil [401] on top of dark red/brown, sandy silt [402]. To the N of this berm Trench 4 cut through the S car park which was composed of green golpla surface [404] above a black netting surface [405]. Below this is 0.20 m - 0.30 m of orange, sandy material [406] containing stones (50-150 mm) and finally dark red/brown, sandy silt [407] similar to [402] but with considerably fewer roots. These contexts extend the full length of the S car park in both the E and W elevations up to the N berm [415].

The N berm separates the N car park from the S car park. Previous excavations (Kirkdale Archaeology, 2004, unpublished report submitted to Historic Scotland) to the N of this berm had revealed a wall aligned E-W running alongside the berm. For this reason the excavation over the berm [415] and for a metre on either side, was carried out by hand. A mini-digger was used to remove golpla and netting from the surface. Excavation revealed that the N berm was of identical construction to the S berm with a mound of topsoil over dark, red/brown, sandy silt [407]. Just to the N of the berm beneath netting [405], 40-50 mm of orange/brown, gritty sand [408] covered a layer of black terram sheeting [409]. Below this was a localised layer of tarmac [412] covering grey aggregate sub-base [410] which was packed around wall [411]. This indicated that Trench 4 crossed wall [411] where it had been previously excavated then carefully reburied and protected using sub-base [412] and tarmac [410]. Wall [411] was a single, drystone course of rectangular red sandstone blocks. The wall was oriented E-W. Three blocks were fully exposed with two more visible projecting from the E and W sections of the trench suggesting that the wall

continued in both directions.

Beneath wall [411] was a red/brown silt full of roots and packed with pieces of hand-made brick, tile and white china pottery and a hand-made nail, suggesting a date of 18th/19th century for this wall. The success of the drain required that three of the blocks were removed from the wall to allow drainage through a new gravel fill. (The contractors were advised to place the three stones in to the reconstruction of the N berm to keep them close to the wall). Beneath the middle stone a thin spread of pale grey, sand/lime mortar mixture was revealed, probably a bedding mixture for wall [411].

Mechanical excavation resumed to the N of wall [411] through the N car park. This revealed that the N car park was of slightly different construction to the S car park. The surface was green golpla [404] above black netting [405], followed by 40-50 mm of brown/orange, gritty sand above black terram sheeting [409]. Beneath the sheeting the sub-base was 200-250 mm of grey aggregate [410] and below this was dark red/brown sandy silt [407] to the base of the trench.

2.5 Road resurfacing

An additional day of archaeological monitoring was required during the removal of between 100 mm and 300 mm from the surface of the road over a section c 65 m long. No deposits of archaeological significance were revealed during this work.

3.0 INTERPRETATION

3.1 Trench 1

Trench 1 was deliberately located in this depressed area because it was known to contain modern rubbish including traces of an old car. Once excavated this area proved to be a purpose dug dump containing 20th-century refuse, the extent of which appears at least 2.50 m N-S by 3.50 m E-W (see Trench 2) and at least 1.60 m deep. It is most likely that the tree boles [104] and [110] were encountered during the excavation of the rubbish pit and left *in situ* because they were too difficult to remove (they also proved too difficult to remove during this excavation). This explains why silt/gravel deposits associated with tree bole [104] have survived. The

orientation of lead water pipe [113] suggests that it once served the cottages to the E of the castle. It survived because it was just below the depth of the cut [108] for the dump.

3.2 Trench 2

It is very difficult to make secure interpretations in a trench of this width as it only revealed snapshots of features. Wall/drain cut [209] was particularly clear in the base and sections of the trench but there were no finds associated with this feature to indicate a date. Cut [215] filled by [214] was only just revealed at the depth of excavation. Based on stratigraphy it appeared to be earlier than [209] but its purpose was unclear. Three iron finds were recovered within context [214] but they were in poor condition and x-ray analysis did not reveal any identifiable object within these lumps.

3.3 Trench 3

The field drain [303] revealed in Trench 3 is probably 19th or 20th century in date. It indicates that drainage problems are not new to this area.

3.4 Trench 4

The excavation of Trench 4 for the most part cut through previously disturbed deposits related to the construction of the N and S car parks.

The wall uncovered just N of the N berm [415] was previously revealed during the excavation in 2004. However, only the top of the wall was revealed at this time. Because it was necessary to remove sections of the wall to facilitate drainage during the current excavation it was possible to examine the context directly beneath the wall [413]. This was found to contain pottery and tiles of probable 18th/19th-century date, suggesting that this wall may represent a field/property boundary of some sort, not contemporary with the medieval castle.

No	Description
101	Turf and topsoil.
102	Mid – dark brown sandy silt containing 20 th century rubbish. Fill of cut 108
103	Mid brown sandy silt containing lumps of sandstone (<200mm diameter), slate and mortar in SW corner of trench beneath 101 over 102.
104	Tree bole in SW corner of the trench.
105	Red brown silt containing red brown gravel in SW corner of trench beneath 103.
106	Dark brown/black silt with gravel and flecks of charcoal in SW corner of trench under 105.
107	Pale mortar filled sand with gravel and chunks of red sandstone, mortar and cockle shells in the SW corner of the trench beneath 106.
108	Cut filled by 102, seen in NE corner of trench. (Same as 204)
109	Bright orange sandy silt subsoil with pockets of orange gravel in NE corner of trench.
110	Tree bole in SE corner of trench.
112	Tree root in NE corner of trench.
113	Lead water pipe projecting from the W elevation of the trench.

201	Turf and topsoil.
202	Mid – dark brown sandy silt containing a little 20 th century rubbish below 201. Fill of cut 204.
203	Dark brown sandy silt with flecks of mortar and stones below 201 to E of 204/202. 200mm dips down to 500mm thick (similar to 221).
204	Cut for filled by 202 seen in SE elevation of trench. (Same as 108)
205	Orange/pink sandy silt subsoil below 202 to the W of 203.
206	Dark orange sandy silt, quite gritty subsoil below 213 to the E of 203.
207	Tarmac road surface.
208	Charcoal spread visible in the E section within 213 (Sample #1).
209	'U' shaped cut through 206 and 213 visible in the base of the trench. Filled by 210, 211 and 212.
210	Compact mottled grey clay with cream patches containing some flecks of charcoal and slabs 211. Fill of cut 209.
211	Two red sandstone slabs in clay matrix 210. Fill of cut 209.
212	Mixed red sandy silt with patches of topsoil and stones. Re-deposited material above 210 and 211. Fill of cut 209.
213	Mid-dark red/brown moderately compact silt beneath topsoil 201. Contains some flecks of charcoal.
214	Compact mottled grey clay containing several flecks and pieces of charcoal and small pieces (<20mm) of degraded red sandstone. Fill of cut 215.
215	Shallow parabolic cut through 206. Filled by 214.
216	Black plastic terram sheeting above 220 under 217 visible in the W elevation of the trench.
217	Re-deposited turf and topsoil over 216.

218	Irregular boulders (300-600mm) within silt 213 visible in the base and sections of trench between 40.60m and 43.80m N from the turn in trench 2.
219	Layer of road sub-base, large stones (<200mm) in a brown/red sandy matrix below 220, above 213.
220	Layer of grey aggregate sub base material above 219.
221	Mixed deposit of loose topsoil and Mid-dark red/brown sandy silt containing lots of roots visible in the W elevation. 150mm -550mm deep.

301	Turf and topsoil. Topsoil is mid brown sandy silt with patches of light brown powdery dry fine silt.
302	Red/dark brown sandy and gritty silt with lots of large roots throughout.
303	Field drain, terracotta pipe aligned N-S. In cut 305.
304	Packing around drain pipe 303 comprising irregular pieces of stone approx 200mm in diameter and pieces of slate. In cut 304.
305	Cut for field drain, filled with pipe 303, packing 304 and fill 306.
306	Dark brown/grey sandy silt filling cut 305.
307	Orange sandwith layers of grey gravel, natural.

401	Turf and topsoil. Topsoil is mid brown sandy silt with patches of light brown powdery dry fine silt.
402	Red/dark brown sandy and gritty silt with lots of large roots throughout.
403	Orange sand subsoil, natural.
404	Green golpla matting in the N and S car park.
405	Black netting under 404 - former car park surface in the N and S car park.
406	Orange sand and stones (50-150mm diameter) bottoming material under 405 in the S car park.
407	Red/dark brown sandy silt under 406 and 410 in the N and S car park. Similar to 402 but with fewer roots.
408	Brown/orange gritty sand under netting 405 in the N car park.
409	Black terram sheeting under 408 in the N car park.
410	Layer of grey aggregate bottoming material beneath 409 in the N car park.
411	Wall. Single course of red sandstone blocks.
412	Tarmac sitting on top of 410 only in the area over wall 411.
413	Red brown sandy silt full of roots, white china and hand made brick/tile under wall 411.
414	Spread of pale grey sand/lime mortar mix under middle stone of 411, over 413.
415	N berm
416	S berm
417	Tree bole

A2.0 APPENDIX 2: LIST OF DRAWINGS

No	Type	Description	Scale
1	Plan	Amended HS plan	1:250

A3.0 APPENDIX 3: LIST OF PHOTOGRAPHS

HSCO-90046-2006-03-CD1

#	Description	From	Date
1203	The proposed route of the drainage trench alongside the current road.	N	17/10/06
1204	The proposed route of the drainage trench alongside the current road.	N	17/10/06
1205	Removal of Turf and Topsoil 101 at trench 1 site	S	17/10/06
1206	Removal of Turf and Topsoil 101 at trench 1 site	S	17/10/06
1207	Removal of Turf and Topsoil 101 at trench 1 site	W	17/10/06
1208	General shot during excavation	NE	17/10/06
1209	General shot during excavation	S	17/10/06
1210	General shot during excavation	S	17/10/06
1215	Excavation shot showing rubbish appearing in 102 in the E half of the trench.	S	17/10/06
1216	General shot during excavation	S	17/10/06
1217	General shot during excavation	N	17/10/06
1218	General shot during excavation	W	17/10/06
1219	Brick and slate 'pinner' in topsoil 101 – No structure to this when it was removed.	E	17/10/06
1220	Remains of tree buried in SW corner of trench 1	E	17/10/06
1221	Remains of tree buried in SW corner of trench 1	N	17/10/06
1223	Remains of tree buried in SW corner of trench 1	NE	17/10/06
1224	Remains of tree buried in SW corner of trench 1	E	17/10/06
1225	Gravel sequence 005-007 in SW corner of trench	NE	17/10/06
1228	Iron vehical part in 002 at a depth of approximately 1m.	W	17/10/06
1229	Cut 108 in the NE corner of the trench filled with 002, cut through natural 109.	SW	17/10/06
1232	Cut 108 in the NE corner of the trench filled with 002, cut through natural 109.	SW	17/10/06
1235	Cut 108 in the E elevation of trench 1 filled with 002, cut through natural 109.	W	17/10/06
1236	Cut 108 in the E elevation of trench 1 filled with 002, cut through natural 109.	W	17/10/06

#	Description	From	Date
1237	Cut 108 in then and E elevation of trench 1 filled with 002, cut through natural 109.	SW	17/10/06
1238	Cut 108 in the N and E elevation of trench 1 filled with 002, cut through natural 109.	SW	17/10/06
1242	Large Pieces of scrap metal seen during excavation of 002	W	17/10/06
1243	General shot during excavation, N elevation.	S	17/10/06
1245	General shot during excavation, N elevation.	S	17/10/06
1246	General shot during excavation, E elevation.	W	17/10/06
1259	Detail showing cut 108 in the E elevation and tree bole remains in the SE corner of the trench.	W	17/10/06
1260	Detail showing tree root in natural 109 in the NE corner of the trench	SW	17/10/06
1261	Detail showing water pipe () in the SW corner of the trench.	NE	17/10/06
1262	Detail showing tree root in natural 109 in the NE corner of the trench	SW	17/10/06
1263	Detail showing tree root in natural 109 in the NE corner of the trench	SW	17/10/06
1264	Excavation complete, E elevation.	W	17/10/06
1266	Excavation complete, N elevation.	S	17/10/06
1267	Excavation complete, W elevation.	E	17/10/06
1268	Excavation complete, W elevation.	E	17/10/06
1270	Excavation complete, S elevation.	N	17/10/06
1271	Excavation complete, S elevation.	NW	17/10/06
1272	Detail showing water pipe () in the SW corner of the trench.	E	17/10/06
1273	Detail showing water pipe () in the SW corner of the trench.	E	17/10/06
1274	Detail showing the SW corner of the trench, site of tree bole 004.	NE	17/10/06
1276	Detail showing the SW corner of the trench, site of tree bole 004.	NE	17/10/06
1283	Proposed route of trench 2 leading from trench 1 E then N alongside the road to the car parks.	SW	18/10/06
1284	Removal of turf and topsoil from trench 2.	SW	18/10/06
1285	Removal of turf and topsoil from trench 2.	SW	18/10/06
1286	First section of trench excavated to a depth of 600mm.	SW	18/10/06
1287	First section of trench excavated to a depth of 600mm.	SW	18/10/06
1288	First section of trench excavated to a depth of 600mm.	NE	18/10/06
1289	Likely site of cut 204, filled by 202.	NW	18/10/06
1292	Likely site of cut 204, filled by 202.	N	18/10/06
1293	Trench 1 soak away being filled with porous sheeting	E	18/10/06
1295	Excavation begins on the N section of trench 2.	S	18/10/06

#	Description	From	Date
1296	Excavation begins on the N section of trench 2.	S	18/10/06
1298	General shot during excavation of trench 2 northwards.	S	18/10/06
1299	E section of trench 2, excavation complete, filled with porous plastic.	SW	18/10/06
1300	E section of trench 2, excavation complete.	SW	18/10/06
1301	E section of trench 2, excavation complete, filled with porous plastic.	NE	18/10/06
1302	Excavation of trench 2 continuing N	S	18/10/06
1303	Looking back along the excavated section of trench 2.	N	18/10/06
1305	Corner of trench 2 where E-W section meets N-S section	N	18/10/06
1306	Attempt at showing where there may be a tree bole, 203 dips into 205 and 206 beneath the level of excavation, sunlight conditions poor.	S	18/10/06
1307	Attempt at showing where there may be a tree bole, 203 dips into 205 and 206 beneath the level of excavation, sunlight conditions poor.	S	18/10/06
1308	Attempt at showing where there may be a tree bole, 203 dips into 205 and 206 beneath the level of excavation, sunlight conditions poor.	S	18/10/06
1309	Cut 209, fills 210 and 212, and slabs 211.	E	18/10/06
1310	Cut 209, fills 210 and 212, and slabs 211.	W	18/10/06
1311	Cut 209, fills 210 and 212, and slabs 211.	S	18/10/06
1312	Cut 209, fills 210 and 212, and slabs 211.	N	18/10/06
1313	Cut 209, fills 210 and 212, and slabs 211.	N	18/10/06
1314	Cut 209, fills 210 and 212, and slabs 211.	N	18/10/06
1315	Cut 209, fills 210 and 212, and slabs 211.	S	18/10/06
1316	Cut 209, fills 210 and 212, and slabs 211.	S	18/10/06
1317	Cut 209, fills 210 and 212, and slabs 211.	E	18/10/06
1318	Cut 209, fills 210 and 212, and slabs 211.	E	18/10/06
1319	Cut 209, fills 210 and 212, and slabs 211.	W	18/10/06
1320	Cut 209, fills 210 and 212, and slabs 211.	W	18/10/06
1321	Cut 209, fills 210 and 212, and slabs 211.	W	18/10/06
1322	Mixed grey clay feature 214.	S	18/10/06
1323	Mixed grey clay feature 214.	S	18/10/06
1324	General shot of excavation continuing N.	S	18/10/06
1325	Looking back along the excavated N-S section of trench 2.	N	18/10/06
1326	General shot of excavation continuing N.	S	18/10/06
1327	Mini digger begins to scrape detritus from the car park surface where trenches 3 and 4 will be excavated.	W	18/10/06
1328	General shot of excavation continuing N.	S	18/10/06
1329	Looking back along the excavated N-S section of trench 2.	N	18/10/06

#	Description	From	Date
1330	Detail showing mixed grey clay feature 214 with sondage through it to S.	N	18/10/06
1331	Detail showing mixed grey clay feature 214 showing sondage.	S	18/10/06
1333	Detail showing mixed grey clay feature 214 showing sondage.	S	18/10/06
1334	Detail showing mixed grey clay feature 214 showing sondage.	S	18/10/06
1335	Detail showing mixed grey clay feature 214 showing sondage.	S	18/10/06
1336	Detail showing section of mixed grey clay feature in sondage.	W	18/10/06
1337	Detail showing mixed grey clay feature 214 showing sondage.	S	18/10/06
1338	Detail showing section of mixed grey clay feature in sondage.	W	18/10/06
1339	Detail showing section of mixed grey clay feature in sondage.	W	18/10/06
1364	Site of trench 3 soak away.	SW	19/10/06
1365	Site of trench 3 soak away.	NE	19/10/06
1366	Turf stripping over the site of trench 4 (drain channel running N from trench 3) to find the edge of the golpla.	S	19/10/06
1367	Site of trench 3 looking NE along the route of trench 4.	SW	19/10/06
1368	Trench 3, turf and topsoil removal.	W	19/10/06
1369	Trench 3, turf and topsoil removal.	SW	19/10/06
1371	Trench 3, turf and topsoil removal.	W	19/10/06
1372	Trench 4, turf and topsoil removal.	S	19/10/06
1373	Working shot, excavation of trench 3	S	19/10/06
1374	Working shot, excavation of trench 3	S	19/10/06
1375	Trench 3 field drain 303 (packing 304, cut 305 and fill 306)	S	19/10/06
1376	Trench 3 field drain 303 (packing 304, cut 305 and fill 306)	W	19/10/06
1377	Trench 2, looking N along the line of excavation showing boulder 215.	S	19/10/06
1378	Trench 2, looking N along the line of excavation showing boulder 215.	S	19/10/06
1379	Trench 2, excavation through tarmac and road make up 216.	S	19/10/06
1380	Trench 2, excavation through tarmac and road make up 216.	SW	19/10/06
1381	Silt 213 beneath road make up 216	SW	19/10/06
1382	Working shot, excavation of trench 3.	S	19/10/06
1383	Working shot, excavation of trench 3.	W	19/10/06
1384	Working shot, excavation of trench 3.	NW	19/10/06

#	Description	From	Date
1385	Trench 2, looking S along excavated section.	N	19/10/06
1386	Trench 2, looking N along line of excavation.	S	19/10/06
1387	Stones/boulders 215 along the base of the trench in context 213.	N	19/10/06
1388	Stones/boulders 215 along the base of the trench in context 213.	S	19/10/06
1389	Detail of stones/boulders 215 from above.	E	19/10/06
1390	Detail of stones/boulders 215 from above	E	19/10/06
1391	Road make up 216 and tarmac.	E	19/10/06
1392	Working shot, excavation of trench 3.	W	19/10/06
1393	Trench 2 near completion.	S	19/10/06
1394	Trench 2 looking N along trench, excavation complete.	S	19/10/06
1395	Trench 2 looking S along trench, excavation complete.	N	19/10/06
1396	Trench 2 looking N along trench, excavation complete.	S	19/10/06
1397	Trench 2 looking S along trench, excavation complete.	N	19/10/06
1398	Trench 2 looking N along trench, excavation complete.	S	19/10/06
1399	Trench 2 looking S along trench, excavation complete.	N	19/10/06
1400	N end of trench 2, excavation complete.	S	19/10/06
1401	Trench 2 looking S along trench, excavation complete.	N	19/10/06
1402	Trench 3, excavated to a depth of 1m.	NW	19/10/06
1403	Trench 3, excavated to a depth of 1m.	W	19/10/06
1404	Trench 3, excavated to a depth of 1m.	N	19/10/06
1405	Trench 3, SW elevation showing pipe 303.	NE	19/10/06
1406	Trench 3, SW elevation showing pipe 303.	NE	19/10/06
1407	Working shot, trench 3 excavation continues using large digger.	SW	19/10/06
1408	Working shot, trench 3 excavation continues using large digger.	S	19/10/06
1409	Working shot, trench 3, packing 304 and fill 306 of field drain cut 305 visible on the W side of trench 3.	SW	19/10/06
1410	Working shot, NE elevation of trench 3, many roots visible throughout 302.	SW	19/10/06
1411	Golpla removal.	SW	19/10/06
1412	Golpla removal.	SW	19/10/06
1416	Working shot, trench 3 excavation	S	19/10/06
1417	Working shot, trench 3 excavation	S	19/10/06
1420	Working shot, trench 3 excavation, near completion	NE	19/10/06
1422	Trench 3, drain pipe 303 in SW section of trench.	NE	19/10/06
1423	Trench 3, detail of drain pipe 303 in SW section of trench, cut 305, packing 304 and fill 306.	NE	19/10/06
1424	Trench 3, detail of drain pipe 303 in NW section of trench, cut 305, packing 304 and fill 306.	SE	19/10/06
1425	Trench 3, detail of drain pipe 303 in NW section of trench, cut 305, packing 304 and fill 306.	SE	19/10/06

#	Description	From	Date
1426	Trench 3, excavation complete, NW section.	SE	19/10/06
1427	Trench 3, excavation complete, NE section.	SW	19/10/06
1429	Proposed route of trench 4 marked in yellow spray.	SW	19/10/06
1431	Trench 3, excavation complete, SE section.	NW	19/10/06
1432	Trench 3, excavation complete, SE section.	NW	19/10/06
1433	Trench 3, excavation complete, SW section.	NE	19/10/06
1434	Trench 3, excavation complete, SW section.	NE	19/10/06
1435	Working shot, excavation of trench 4 begins	SW	19/10/06
1436	Trench 4, first section (6.75m) complete.	SW	19/10/06
1437	Trench 4, first section (6.75m) complete.	NE	19/10/06
1438	Trench 4, first section (6.75m) complete.	NE	19/10/06
1439	Trench 3, lined with terram and filled with pebbles.	SW	19/10/06
1441	Working shot, excavation through S berm.	SW	19/10/06
1442	Working shot, excavation through S berm.	SW	19/10/06
1443	Section through S berm, E section	W	19/10/06
1444	Section through S berm, E section	E	19/10/06
1445	Working shot, trench 4, excavation of S car park.	S	19/10/06
1446	Working shot, trench 4, excavation of S car park.	S	19/10/06
1448	Trench 4, S car park W section showing, golpla, earlier matting and stony make up.	SE	19/10/06
1450	Working shot, trench 4, excavation of S car park.	S	19/10/06
1451	Working shot, trench 4, excavation of N car park.	S	19/10/06
1453	Trench 4, looking S along trench through S car park, before excavation break for hand dug section.	N	19/10/06
1454	Trench 4, looking N along trench through S car park, before excavation break for hand dug section.	S	19/10/06
1455	Trench 4, looking S along trench through S car park, before excavation break for hand dug section, from S berm.	S	19/10/06
1456	Working shot, trench 4, excavation of N car park.	S	19/10/06
1457	Trench 4, E section of trench though N car park showing tree and tree roots cut by the trench.	W	19/10/06
1458	Trench 4, E section of trench though N car park showing tree and tree roots cut by the trench.	W	19/10/06
1459	Trench 4, N car park W section showing, golpla, earlier matting, Terram sheeting and grey gravel make up.	E	19/10/06
1460	Trench 4, N car park W section showing, golpla, earlier matting, Terram sheeting and grey gravel make up.	E	19/10/06
1461	Trench 4, S car park W section showing, golpla, earlier matting and stony make up.	E	19/10/06
1462	Trench 4, S car park W section showing, golpla, earlier matting and stony make up.	E	19/10/06
1464	Trench 4, N car park W section showing, golpla, earlier matting, Terram sheeting and grey gravel make up.	E	19/10/06

#	Description	From	Date
1465	Working shot, trench 4, excavation continues N.	S	20/10/06
1468	Working shot, trench 4 - hand dug section – surface is scraped off with a mini digger to remove matting and golpla.	SW	20/10/06
1469	Trench 4, looking at the E section through the berm.	SW	20/10/06
1470	Working shot, trench 4 - hand dug section – surface is scraped off with a mini digger to remove matting and golpla.	S	20/10/06
1471	Working shot, trench 4, excavation continues N.	S	20/10/06
1472	Working shot, trench 4, excavation continues N.	S	20/10/06
1473	Looking S along the excavated N car park section of trench 4.	N	20/10/06
1474	Working shot, trench 4 - hand dug section – surface is scraped off with a mini digger to remove matting and golpla.	S	20/10/06
1476	Working shot, trench 4 - hand dug section – surface is scraped off with a mini digger to remove matting and golpla.	S	20/10/06
1478	Working shot, trench 4 - hand dug section – surface is scraped off with a mini digger to remove matting and golpla.	S	20/10/06
1480	Trench 4, digging by hand to reveal wall 411.	SW	20/10/06
1482	Trench 4, wall 411 partially uncovered.	SW	20/10/06
1483	Trench 4, wall 411 partially uncovered.	SW	20/10/06
1484	Trench 4, wall 411 partially uncovered.	SW	20/10/06
1485	Trench 4, wall 411 excavated to required depth on SW side.	SW	20/10/06
1486	Trench 4, wall 411 excavated to required depth on SW side.	SW	20/10/06
1487	Trench 4, wall 411 excavated to required depth.	SW	20/10/06
1489	Trench 4, wall 411 excavated to required depth.	SW	20/10/06
1491	Trench 4, wall 411 excavated to required depth.	E	20/10/06
1492	Trench 4, wall 411 excavated to required depth.	E	20/10/06
1493	Trench 4, wall 411 excavated to required depth.	E	20/10/06
1494	Trench 4, wall 411 excavated to required depth.	E	20/10/06
1495	Trench 4, wall 411 excavated to required depth.	N	20/10/06
1496	Trench 4, wall 411 excavated to required depth.	NE	20/10/06
1499	Trench 4, wall 411 excavated to required depth, showing W side of context 213 but in poor light conditions.	SW	20/10/06
1500	Trench 4, wall 411 excavated to required depth, showing E side of context 213 but in poor light conditions.	SW	20/10/06
1501	Trench 4, wall 411 going in to NW section showing tarmac 412 and grey levelling material 410.	SE	20/10/06

#	Description	From	Date
1502	Trench 4, wall 411 going in to NW section showing tarmac 412 and grey levelling material 410.	SE	20/10/06
1503	Trench 4, showing position and orientation of wall 411 in relation to berm.	E	20/10/06
1504	Trench 4, showing position and orientation of wall 411 in relation to castle and road.	NE	20/10/06
1505	Trench 4, showing position and orientation of wall 411 in relation to castle and road.	NE	20/10/06
1507	Showing angle in trench 4 and wall 411.	N	20/10/06
1510	Showing lining of trench 4 with terram plastic and wall 411.	N	20/10/06
1511	Trench 4, wall 411 sitting on top of context 413.	S	20/10/06
1512	Trench 4, wall 411 sitting on top of context 413.	S	20/10/06
1530	Trench 4, removal of middle 3 blocks of wall 411.	NE	20/10/06
1531	Trench 4, removal of middle 3 blocks of wall 411.	NE	20/10/06
1532	Trench 4, removal of middle 3 blocks of wall 411.	NE	20/10/06
1533	Trench 4, spread of pale bedding 414, under middle stone of wall 411.	N	20/10/06
1536	Trench 4, wall 411 removed, looking at context 413 and bedding 414.	W	20/10/06
1537	Trench 4 complete.	S	20/10/06
1538	Trench 4 complete.	N	20/10/06
1539	Trench 4 complete.	N	20/10/06
1540	W section of N car park in trench 4.	E	20/10/06
1541	W section of N car park in trench 4.	E	20/10/06
1542	Looking S along the whole route of trench 4.	N	20/10/06
1544	Looking S along the whole route of trench 2.	N	20/10/06
1548 - 1625	Various views of resurfacing works	-	23/10/06

A 4.0 APPENDIX 4: LIST OF FINDS

Box Number 1199

Bag No.	Context	Material(s)	Quantity
1199-001	101	Slate	1
1199-002	101	Brick	1
1199-003	102	Carbon rods?	2
1199-004	102	White/cream glazed pottery	3

Bag No.	Context	Material(s)	Quantity
1199-005	102	Glass bottles	5
1199-006	102	Fe nail/loop	1
1199-007	103	Roof slate	2
1199-008	107	Mortar	1
1199-009	107	Cockle shell	2
1199-010	214	Fe slag	3
1199-011	301	Fe paint lid?	1
1199-012	301	White/cream glazed pottery	2
1199-013	301	Vessel/bottle glass	4
1199-014	301	Fe nail	1
1199-015	301	Slate	1
1199-016	301	Brick/tile	1
1199-017	303	Field drain	1
1199-018	407	Cream and white/blue pottery	19
1199-019	413	Red glazed wall tile	1
1199-020	413	Pan tile	1
1199-021	413	White glazed pottery	3
1199-022	413	Brown and cream glazed pottery	7
1199-023	407	Green glass	1
1199-024	413	Part of a clay pipe bowl	1
1199-025	413	Pan tile	1
1199-026	413	Brick/tile	4

A 5.0 APPENDIX 5: ARCHIVAL REFERENCES

Site	Caerlaverock Castle
HS PIC Index no	90046
Kirkdale Project no	HSCO-90046-2006-03
Finds box no.	1199

Files submitted on CD:

PDF (Report & illus)	HSCO-90046-2006-03-Report.pdf
Report in MS Word	HSCO-90046-2006-03-Report.doc
TIFFs	HSCO-90046-2006-03-Report Fig 1.tif
Photo scans	HSCO-90046-2006-03-CD1

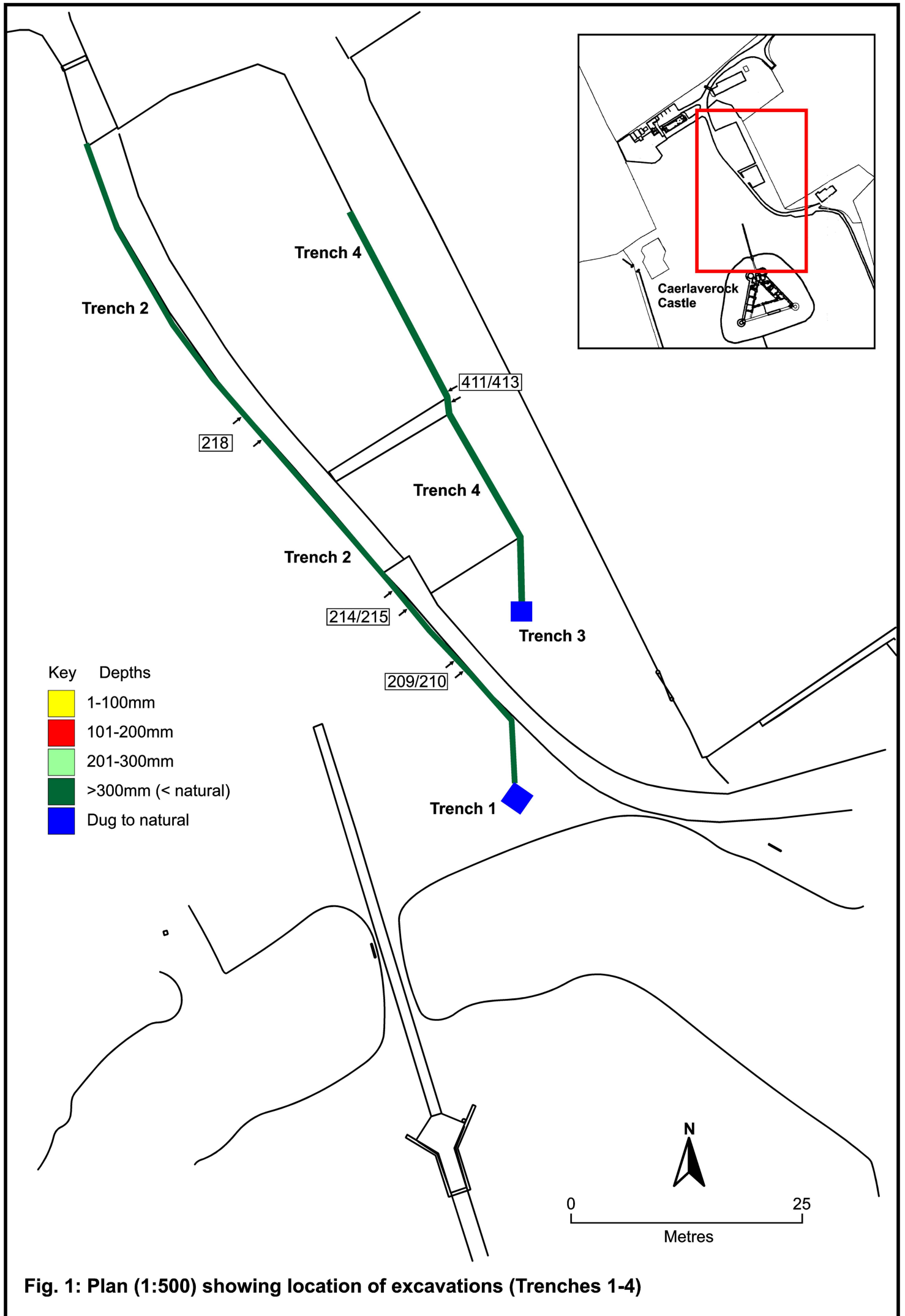


Fig. 1: Plan (1:500) showing location of excavations (Trenches 1-4)