

ELVASTON CASTLE. DERBYSHIRE

Report on an Archaeological Watching Brief on cable trenching through the grounds of Elvaston Castle.

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Cable trenching through the grounds of Elvaston Castle.

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Summary

- Trent & Peak Archaeology was contracted on behalf of Derbyshire County Council to conduct an archaeological watching brief on ground works associated with the excavation of trenches to carry fibre optic cables which will enable internet access to Elvaston Castle.
- The site has a long history which is likely to date back to the medieval period associated with St Bartholomew's church and a deserted medieval village in the locality.
- Centred on (SK40626 32989) the site comprised ***m of cable trenching in the grounds of Elvaston Castle.
- All intrusive ground work associated with the cable trench was carried out under archaeological supervision.
- The objective of the watching brief was to identify the presence of any archaeological remains that may be affected by groundwork which may shed light on the development of Elvaston Castle and its grounds and add to our knowledge of the history of the area prior to the building of the castle.
- The remains of a probable paved surface were present in Area 06. There was no dating evidence associated with the paved surface and the feature is currently undated.
- Red brick foundations supporting the north east facing wall of Elvaston Castle may relate to building work carried out by Wyatt in 1817 or Cottingham in 1836.
- Some 19th century deposits and artefacts were present in the excavation of the cable trench. These have been interpreted as refuse dumping related to the latter period of Elvaston Castle being a domestic residence.
- There were no earlier deposits or artefacts revealed as a result of the monitoring of the groundwork.
- The cable trench a maximum of 600m deep and 300m wide offered only limited opportunities for the observation and identification of below ground archaeological features or deposits.

An Archaeological Watching Brief at Elvaston Castle Derbyshire

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1. INTRODUCTION

1.1 Trent & Peak Archaeology were contracted by Derbyshire County Council to undertake a watching brief during the excavation of trenches which are to carry fibre optic cables enabling internet access to Elvaston Castle.

1.2 Centred at SK40626 32989, (Figure 1), the trenches were excavated through a variety of terrains from fields, ornamental gardens, woodland, roads, paths and to the castle itself, (Figure 2)

1.3 The aim of the watching brief was to identify the presence of any archaeological remains which may be affected by the ground works, and to achieve an appropriate level of preservation by record. This included an assessment of the overall extent, date and state of preservation of archaeological remains.

The watching brief was undertaken by Richard Parker and Peter Webb between the 20th December 2011 and 19th January 2012.

2. SITE BACKGROUND AND TOPOGRAPHY.

2.1 Geology

2.1.1 The site lay in an area where BGS record river terrace deposits (undifferentiated) overlying Triassic rocks of Branscome mudstone formation. (BGS 2013)

2.2 Archaeological Background

2.2.1. Elvaston Castle was originally built in 1633 with additions in the early 18th century. A major refashioning in the Tudor style by James Wyatt took place in 1817. Further modifications to the building were carried out in 1836 by the architect Lewis Nockalls Cottingham. The grounds were laid out by William Barron between 1830 and 1851 for the 4th Earl of Harrington, Charles Stanhope. The grounds were laid out using mature trees transplanted using techniques developed by William McNab of the Edinburgh Botanical Gardens, (Pastscape).

2.2.2. The current buildings and structure at Elvaston Castle largely date to the mid 19th century with the exception of the 14th century medieval church of St Bartholomew although earlier buildings were certainly present prior to the mid 19th century. To the south of the current building complex is thought to be the site of a medieval village presumably associated with a medieval hall and the medieval church. (Barrett, 2011)

2.2.3 With the castle and the grounds passing into public ownership further landscaping has been carried out in the grounds to make it accessible to the public including the layout of car parks and pathways.

2.3 Site Topography

2.3.1. Much of the surrounding grounds of Elvaston Castle had been heavily landscaped during the 19th century with the creation of ornamental gardens, promenades, artificial lakes and wooded areas.

3. METHODOLOGY

3.1 All intrusive groundwork was carried out by a mini digger using a smooth-edged ditching bucket under continuous archaeological supervision.

3.2 Any archaeological deposits were recorded by scale drawing, sections at 1:20, plans at 1:50, and photography (digital and black and white). All recorded sections were hand cleaned prior to recording. Any finds of archaeological significance were given a unique three letter code, e.g. AAA and their location marked on the site plan or on the relevant section drawing. Any archaeological features or layers were given an individual context number, e.g. 0001. The site was divided into five areas (Figure 1), each of which is reported on below.

4. RESULTS.

Area 01 (Junction box)

4.1 Area 01. A junction box, measuring 1700mm x 1000mm and 600mm in depth, was excavated by the mini digger. The following stratigraphy was observed in the sections: 0001-Topsoil-Friable light yellow/brown silty loam, (0001), and Subsoil, (0002), a friable light yellowish brown sandy silt, overlying a firm mid yellowish brown clay, (0003), (Figure 3). No archaeological features or finds were present.

<i>Context</i>	<i>Thickness</i>	<i>Description (Junction box) 0-1m</i>
0001	120mm	Topsoil, friable mid brown silty loam
0002	220mm	Firm mid brown silty loam subsoil
0003	200mm (observed)	Firm yellow brown clay

Area 02,

4.2 Area 02 consists of the pipe trench between junction boxes Areas 01 & 03 with a length of approximately 100m. The terrain which this trench ran through lawned areas, (Plate 1), woodland and across road surfaces, (Figures 4 – 7).

4.2.2 The trench itself measured 300mm in width and was excavated to a depth of 500mm. The stratigraphy was consistent with a slight variation through the wooded area. The stratigraphy revealed in the lawned area mirrored that of Area 01 (0001, 0002, 0003).

4.2.3 As the trench passed through the wooded area the topsoil changed to a friable dark brown/black humic silty loam (0004) which had incorporated in it a late 19th century pottery and glass bottles; these were concentrated in pockets however but no obvious features could be seen cutting the strata below the topsoil.

4.2.4 Approximately 20m to the west of the large marble gated entrance to the castle gardens Area 02 crossed the southern access road to the castle in a north-westerly direction Three distinct layers were observed in section (0005, 0006, 0007), all related to the road construction. (Plate 2).

4.2.5 Beyond the road Area 02 crossed a further lawned area, outside the perimeter wall of the castle, (Plate 3), to the stone gatepost entrance of the access road leading to St Bartholomew's church. The excavation of the trench abutted the eastern gatepost to reveal a wider stone foundation from which trenching progressed across church road; this revealed in section the following stratigraphy, (0008, 0009, 0010), all relating to packing in the foundation cut for the gatepost. (Plate 4)

4.2.6. Sections of Area 02 were drawn and photographed at regular intervals these being the first metre then at 12m, 26.50m, 44.50m, 64.50m, 80m, 95m, 120m, 160m, and 170m, the recorded sequence was as follows.

<i>Context</i>	<i>Thickness</i>	<i>Description at 1m-14m</i>
0001	120mm	Topsoil, friable mid brown silty loam

0002	220mm	Firm mid brown silty loam subsoil
0003	200mm (average)	Firm yellow brown clay

<i>Context</i>	<i>Thickness</i>	<i>Description at 14m-61m</i>
0004	200mm	Friable dark brown humic topsoil in woodland
0002	220mm	Firm mid brown silty loam subsoil

<i>Context</i>	<i>Thickness</i>	<i>Description at 61m-93m</i>
0001	120mm	Topsoil, friable mid brown silty loam
0002	220mm	Firm mid brown silty loam subsoil
0003	200mm (average)	Firm yellow brown clay

<i>Context</i>	<i>Thickness</i>	<i>Description at 93m-97m (Road)</i>
0005	100mm	Solid black tarmac surface
0006	200mm	Compacted mid brown sand & gravel
0007	110mm	Large angular marble rocks 5-20cm/red sand/clay

<i>Context</i>	<i>Thickness</i>	<i>Description at 97m-169m</i>
0001	120mm	Topsoil, friable mid brown silty loam
0002	220mm	Firm mid brown silty loam subsoil
0003	200mm (average)	Firm yellow brown clay

<i>Context</i>	<i>Thickness</i>	<i>Description at 169m-173m (Road)</i>
0008	100mm	Solid black tarmac surface
0009	100mm	Yellow compacted angular hardcore
0010	250mm	Mid reddish/brown compacted sand/gravel hardcore

Area 03 (Junction box)

4.3 Area 03 A junction box of the same dimensions as Area 01, but to a depth of 480mm, was excavated by the mini digger and was located approximately 3m north of the stone gate post of the outer curtain wall of the entrance of the road leading to the car park of St Bartholomew church, (Figure 8). The following stratigraphy was observed: topsoil (0011) and subsoil (0012). No archaeological features or finds were present.

<i>Context</i>	<i>Thickness</i>	<i>Description at 175m (Junction box)</i>
0011	250mm (average)	Loose dark brown silty loam topsoil
0012	230mm (average)	Friable mid brown silty loam subsoil

Area 04

4.4 Area 04 abutted the eastern edge of the church road, (Plate 5), and extends in a north north-east/south south-west orientation for c. 200m, (Figures 9 -13). The stratigraphy was constant with some slight deviation which in the main was due to road make up intruding into the section.

4.4.1 Sections of Area 04 were drawn and photographed at regular intervals these being 177m, 190m, 205m, 215m, 245m, 265m, 295m, 330m 360m and 390m. The record sequence was as follows. No archaeological features or finds were observed.

<i>Context</i>	<i>Thickness</i>	<i>Description at 175m-210m</i>
0011	200mm (average)	Loose dark brown silty loam topsoil
0012	230mm (average)	Friable mid brown silty loam subsoil
0013	100mm (average)	Firm mid brown clay

<i>Context</i>	<i>Thickness</i>	<i>Description at 210m-220m</i>
0011	200mm (average)	Loose dark brown silty loam topsoil

0014	100mm	Compacted red sand gravel road hardcore
0013	200mm (average)	Firm brown clay

<i>Context</i>	<i>Thickness</i>	<i>Description at 220m-325m</i>
0011	200mm (average)	Loose dark brown silty loam topsoil
0015	200mm (average)	Similar to 0012 gradually changed to higher sand/gravel content from 220m
0013	150mm (average)	Firm brown clay

<i>Context</i>	<i>Thickness</i>	<i>Description at 325m-335m</i>
0011	200mm (average)	Loose dark brown silty loam topsoil
0014	100mm	Compacted red sand gravel road hardcore
0015	200mm (average)	Similar to 0012 gradually changed to higher sand/gravel content from 220m
0013	150mm (average)	Firm brown clay

<i>Context</i>	<i>Thickness</i>	<i>Description at 335m-365m</i>
0011	200mm (average)	Loose dark brown silty loam topsoil
0015	200mm (average)	Similar to 0012 gradually changed to higher sand/gravel content from 220m
0013	150mm (average)	Firm brown clay

<i>Context</i>	<i>Thickness</i>	<i>Description at 365m-415m</i>
0011	200mm (average)	Loose dark brown silty loam topsoil
0015	200mm (average)	Similar to 0012 gradually changed to higher sand/gravel content from 220m

Area 05 (Junction box)

4.5 Area 05, (a junction box of the same dimensions as Area 01, but to a depth of 400mm), was excavated by the mini digger. The stratigraphy comprised two contexts topsoil, (0011), and subsoil, (0015), (Figure 14). The recorded sequence was as follows. No archaeological features or finds were present.

<i>Context</i>	<i>Thickness</i>	<i>Description at 415m (Junction box)</i>
0011	200mm (average)	Loose dark brown silty loam topsoil
0015	200mm (average)	Same as 0012, mid brown silty loam, subsoil.

Area 06

4.6 Area 06 passes through a hedge line in a north-westerly direction across what is now a car park laid out in the 20th century. (Plate 6)

4.6.1 A yellowish/brown silty loam with abundant root action, (0017), was observed beneath the hedge. This abutted a dark greyish black clinker/rubble, (0018), from which pottery shards were recovered dating to the early 20th century. The rubble layer, (0018), was beneath the tarmac surface of the car park, (0019), (Figures 15 – 18).

4.6.2 Area 06 continued across the car park area and in to adjacent woodland along the same north/west alignment. The stratigraphy recorded in the section was comprised topsoil (0020) and toward the base of the trench a compacted mid grey layer of clinker ash was present (0021). (Plate 7)

4.6.3 At approximately 10m in to the woodland clinker ash deposits (0021/0022) became more prominent. At the base of the trench several white limestone flagstones, (0023), were

uncovered which appeared to be in situ, (Plates 8 and 9). There were no finds or other dating material associated with the flagstones, which may be the remains of a paved way or the floor of a building, and currently they are undated. Two pieces of architectural of masonry (ACL, ACM) which appear to be part of a mullion window were recovered from the clinker ash deposit, (0021/0022). These have been interpreted as re-deposited and may be associated with ground levelling/stabilisation for the paving/flooring slabs.

4.6.4 The stratigraphy in Area 06 exhibited two layers, topsoil, (0025), and subsoil, (0026), at its north western extent before crossing a metalled road and terminating at Area 07.

<u>Context</u>	<u>Thickness</u>	<u>Description at 417m-421m</u>
0017	400mm (average)	Loose light yellowish brown loamy sand with a large degree of root action.
<u>Context</u>	<u>Thickness</u>	<u>Description at 421m-455m (car park)</u>
0018	380mm (average)	Compacted dark grey black clinker/brick rubble early 20 th century made ground.
0019	100mm (average)	Loose black tarmac car park surface
<u>Context</u>	<u>Thickness</u>	<u>Description at 455m-499m</u>
0020	400mm (average)	Loose dark grey silty loam topsoil wooded area having a mix of demolition materials i.e. bricks, stone, slate.
0021	30mm (average)	Compacted mid grey clinker ash deposit
0022	100mm (average)	Dark grey clinker ash deposit, 19 th century pottery noted within
0023	30mm (average)	Limestone flag stones, possible remnants of flooring
0024		Area in plan composed of a brick hardcore (possible foundation?)
<u>Context</u>	<u>Thickness</u>	<u>Description at 500m-528m</u>
0025	130mm (average)	Loose mid greyish brown topsoil with 30% root action
0026	370mm (average)	Fine light orange brown silty loam subsoil
<u>Context</u>	<u>Thickness</u>	<u>Description at 528m-532m) (Road)</u>
0027	100mm	Compacted white limestone chipping surface of road surface
0028	80mm	Compacted black clinker part of road make up
0029	200mm	Compacted mid brown silty clay, 20% sub-rounded pebbles & brick fragments, road make up
0030	100mm	Dark brown clay, lowest strata of road make up

Area 07 (Junction box)

4.7 **Area 07**, (1500mm x 1500mm x 400mm), was excavated by a mini digger The stratigraphy consisted of topsoil (0031) and subsoil (0032), (Figure 19). No archaeological features or finds were present. The recorded sequence was as follows.

<u>Context</u>	<u>Thickness</u>	<u>Description at 541m (Junction box)</u>
0031	200mm (average)	Loose dark brown silty loam topsoil
0032	200mm (average)	Fine light orange brown silty loam subsoil

Area 08

4.8 Area 08 follows and abuts the western edge of a metalled road/path way. The stratigraphy

in this trench was affected by the intrusion of the road surface into the section, (Figures 20 – 23).

4.8.1 At 597m the trench crosses the access road that leads directly to the castle before entering a small wooded area and across a lawned picnic area.

4.8.2 No archaeological features or finds were present. Sections of Area 08 were drawn and photographed at regular intervals these being 561m, 575m, 585m, 591m, 599m, 624m, 640m, 660m, 680m, 697m, 700m and 706m. The recorded stratigraphic sequence was as follows:

<i>Context</i>	<i>Thickness</i>	<i>Description at 541m-574m</i>
0031	200mm (average)	Loose dark brown silty loam topsoil
0032	200mm (average)	Fine light orange brown silty loam subsoil
<i>Context</i>	<i>Thickness</i>	<i>Description at 575m-597m</i>
0031	200mm (average)	Loose dark brown silty loam topsoil
0033	30mm	Compacted dark grey aggregate mixed with topsoil
0034	150mm (average)	Made ground, yellow brown silt sand
0035	110mm (average)	Topsoil mid dark brown silty loam
0036	80mm	Compacted orange aggregate of path dissipates at 585m
0037	30mm (average)	Same as 0035
0038	180mm (average)	Compacted dark blue aggregate same as 0033
0039	30mm	Mid yellow brown silt hardcore

<i>Context</i>	<i>Thickness</i>	<i>Description at 597m-601 (Road)</i>
0040	20mm	Concrete road surface
0041	100mm	Coarse compacted black tarmac layer
0042	30mm	Orange sandy aggregate layer
0043	250mm	Mid yellow brown silt hardcore
<i>Context</i>	<i>Thickness</i>	<i>Description at 601m-685m</i>
0044	390mm	Friable black silty loam, 19 th century debris noted
0045	90mm	Firm mid brown clay

Area 09 (Junction box)

4.9 Area 09, (1500m x 1500m and 600mm in depth) was excavated by a mini digger. Two layers were present in the section, topsoil, (0046), and subsoil, (0047), (Figure 24). No archaeological features or finds were present. The recorded stratigraphic sequence was as follows.

<i>Context</i>	<i>Thickness</i>	<i>Description at 697m</i>
0046	200mm	Firm mid dark brown silty loam
0047	390mm	Firm mid orange brown clayey loam

Area 10

4.10 Area 10 crosses a metalled road/track and a grass paddock before terminating at the castle building itself, (Figures 26 – 31).

4.10.1 The stratigraphy observed in the trench section through the road revealed four layers, (0048 – 0051), that were consistent with recent road construction with some evidence of re surfacing with crushed type one stone, (0048), overlying an existing tarmac surface, (0049).

4.10.2 Beyond the road/path way, excavation of Area 10 demonstrated that the ground had been subjected to levelling with layers of soils and clays, (0052 – 0056), overlying demolition rubble made up of broken bricks, (0056), (Plates 10 and 11). The size of the bricks present in the fill (9¼"x 4½"x 3¼") and their form (shallow flat based frogs and stamped with Ambergate) suggests that this activity is likely to have occurred no earlier than the 19th/20th century.

4.10.3 Area 10 terminated at the sandstone wall of the castle and the footings of the sandstone wing of the building were revealed, These were constructed of red brick and probably represent the alterations made by Wyatt in 1817 or by Cottingham in 1836.(Plate 12)

<u>Context</u>	<u>Thickness</u>	<u>Description at 697m</u>
0048	100mm	Compacted limestone hardcore road surface
0049	30mm	Compacted tarmac
0050	200mm	Mid brown silty sand gravel
0051	100mm	Firm mid brown clay

<u>Context</u>	<u>Thickness</u>	<u>Description at 709m-753m</u>
0052	40mm	Topsoil, friable dark brown silty loam
0053	110mm	Mid yellowish brown silty loam subsoil
0054	100mm	Firm mid greyish brown silty clay
0055	210mm	Mid/dark yellowish brown silty clay
0056	100mm	Brick rubble made ground
0057	30mm	Dark grey blue clay silt
0058	180mm	Loose orange brown coarse sandy brick rubble
0059	120mm	Firm mid dark greyish brown silty clay
0060	200mm	Pinkish brown limestone hardcore chips 3cm with 20% coarse brown sand

<u>Context</u>	<u>Thickness</u>	<u>Description</u>
0061	300mm	Mid brown friable soft clay silt 5% sub rounded pebbles 3cm
0062	120mm	Mid orange brown soft sand clay with 20% sub rounded pebbles
0063	80mm	Concrete
0064	(Building)	Sandstone Victorian extension
0065	250mm (visible)	Red brick foundation of 0064

5. DISCUSSION.

5.1 Along the total length of the cable trench, including the junction boxes, there were no significant archaeological deposits or remains present. Much of the ground appears either to be very recent landscaping or ground that has been made up to provide level surfaces for roads, pathways and a car park.

5.2 A possible exception to the general pattern are the paving/floor slabs, (0023), recorded in Area 06. These may be the remains of a path of floor on an otherwise un-recorded building. There were no artefacts associated with the slabs and currently they remain undated. The slabs, (0023), occur in a part of the cable trench that passes through mature woodland. The woodland may relate to the work carried out by Burrows between 1830 and 1851 and the slabs, (0023), may predate this development.

5.3 All other finds recovered from the excavation of the cable trench are recent in origin, (19th and 20th century pottery and brick rubble, some of which may have originated as late as the 1970's when a major make-over of the grounds took place.

6. CONCLUSION

6.1 Some 750m metres of trenching were monitored during its excavation. At 300mm wide and a maximum depth of 600mm the opportunity for the observation of significant archaeological remains or deposits was severely restricted.

6.2 Much of the ground through which the excavation took place has been shown to be relatively recent in origin, probably relating to the extensive works carried out for the Fourth earl of Harrington in the mid 19th century and then later after the house and the grounds had passed into public ownership in 1970.

6.3 It is possible that earlier remains had been removed during the process of 19th century works on the grounds. None of the finds recovered can be dated to earlier than the 19th century despite the fact that the hall/castle itself has been continuously occupied since the early 17th century and that this was preceded by near by medieval settlement.

References

BGS, 2013 British Geological Survey, Geology of Britain Viewer, www.bgsmaps.org.uk

Barrett, D. 2011 Brief for Archaeological Watching Brief during excavation of trench for the installation of a telecommunications cable for Elvaston Castle.

Pastscape 2013 www.pastscape.org.uk

Appendix 1. Summary Context List.

CONTEXT	DESCRIPTION	THICKNESS	AREA
0001	Topsoil, friable mid brown silty loam	120mm	01/02
0002	Firm mid brown silty loam subsoil	220mm	01/02
0003	Firm yellow brown clay	200mm	01/02
0004	Firm dark brown humic silty loam topsoil in wood	200mm	02
0005	Solid black tarmac road surface	100mm	02
0006	Compacted mid brown sand gravel	200mm	02
0007	Large angular marble rocks 5-20cm/red sandy clay	200mm	02
0008	Solid black tarmac surface	100mm	02
0009	Compacted yellow angular road stone hardcore	100mm	02
0010	Mid reddish brown sand and gravel hardcore	250mm	02
0011	Loose dark brown silty loam topsoil	250mm	03/04/05
0012	Friable mid dark brown silty loam subsoil	230mm	03/04
0013	Firm brown clay	200mm	04
0014	Compacted red sand gravel hardcore, road edge	100mm	04
0015	0012 gradually changes mid brown sandy gravel	200mm	04/04/05
0016	Not used		
0017	Loose friable silty sand heavily affected by roots	400mm	06
0018	Compacted dark grey black clinker made ground	380mm	06
0019	Loose black tarmac car park surface	100mm	06
0020	Loose dark grey silty loam in wooded area	400mm	06
0021	Compacted mid grey clinker ash layer	30mm	06
0022	Dark grey clinker ash deposit with 19 th century pot	100mm	06
0023	Limestone flagstone floor	30mm	06
0024	Area of broken brick and ground disturbance	350mm	06
0025	Loose mid greyish brown topsoil root disturbance	130mm	06
0026	Fine light orange brown silty loam subsoil	370mm	06
0027	Compacted white limestone chippings road surface	100mm	06
0028	Compacted black clinker road makeup	80mm	06

0029	Compacted mid brown silty clay,	200mm	06
0030	Dark brown clay	100mm	06
0031	Topsoil loose dark brown silty loam similar to 0025	200mm	07/08
0032	Fine light orange brown silty loam similar to 0026	370mm	07/08
0033	Compacted dark/blue grey aggregate/mixed topsoil	30mm	08
0034	Compacted yellow/brown silty sand clast 40%	150mm	08
0035	Topsoil, friable mid/dark brown silty loam	110mm	08
0036	Compacted mid orange aggregate for path	80mm	08
0037	Similar to 0035	30mm	08
0038	Compacted dark blue aggregate similar to 0033	180mm	08
0039	Compacted mid yellow brown hardcore	30mm	08
0040	Solid concrete road surface	20mm	08
0041	Compacted course black tarmac layer	100mm	08
0042	Compacted orange sand aggregate layer	30mm	08
0043	Compacted mid yellow brown silt hardcore	250mm	08
0044	Friable black silty loam 19 th century debris noted	390mm	08
0045	Firm mid brown clay	90mm	08
0046	Topsoil, friable mid/dark brown silty loam	200mm	09/10
0047	Firm mid orange brown clayey silt	390mm	09
0048	Limestone hardcore road surface	100mm	10
0049	Firm black tarmac	30mm	10
0050	Friable mid brown silty sand gravel	200mm	10
0051	Firm mid brown clay	100mm	10
0052	Topsoil, loose dark brown silty loam	40mm	10
0053	Friable mid yellowish brown silty loam subsoil	110mm	10
0054	Mid greyish brown silty clay	100mm	10
0055	Friable mid/dark yellowish brown silty clay	210mm	10
0056	Brick rubble silty loam made ground	100mm	10
0057	Firm dark grey blue clayey silt	30mm	10
0058	Loose orange brown coarse sand brick rubble	180mm	10
0059	Firm mid dark greyish brown silty clay	120mm	10
0060	Loose pinkish brown limestone hardcore chips	200mm	10
0061	Mid brown friable soft clay 5% sub rounded pebbles	300mm	10
0062	Soft mid orange brown sand/clay	120mm	10
0063	Concrete	80mm	10
0064	Building		10
0065	Red brick foundation	250mm	10
0066	Rubble hardcore		10
0067	Dark grey/brown silty clay with extensive brick rubble	350mm observed	06

Appendix 2. List of finds

CODE	AREA	CONTEXT	MATERIAL	OBJECT	PERIOD	COUNT	WEIGHT
AAA	02	Spoil	Copper alloy	Coin George v	20 th century	1	8g
AAB	02	Spoil	Copper alloy	Coin	20 th century	1	6g
AAC	02	0004	Ceramic	Rim/body sherd	20 th century	1	58g
AAD	02	0004	Ceramic	Wht glazed base	20 th century	1	83g
AAE	02	0004	Ceramic	Body sherd	20 th century	1	406g
AAF	02	0004	Ceramic	Rim sherd	20 th century	1	85g
AAG	02	0004	Glass	Bottle-Allsopp's	20 th century	1	726g
AAH	02	0004	Ceramic	Wht rim sherd	20 th century	1	123g
AAI	02	0004	Glass	Bovril jar	20 th century	1	349g
AAJ	02	0004	Ceramic	Base sherd	20 th century	1	175g
AAK	02	0004	Ceramic	Jar	20 th century	1	321g
AAL	02	0004	Ceramic	Rim sherd	20 th century	1	288g
AAM	02	0004	Glass	Bottle	20 th century	1	130g

AAN	02	0004	Ceramic	Base sherd	20 th century	1	81g
AAO	02	0004	Glass	Bottle	20 th century	1	111g
AAP	02	0004	Ceramic	Handle	20 th century	1	27g
AAQ	02	0004	Ceramic	Base sherd	20 th century	1	23g
AAR	02	0004	Ceramic	Base sherd	20 th century	1	43g
AAS	02	0004	Ceramic	Rim sherd	20 th century	1	18g
AAT	02	0004	Ceramic	Body sherd	20 th century	1	3g
AAU	02	0007	Stone	Marble rocks	Unknown	1	1148g
AAV	02	0007	Stone	Marble rocks	Unknown	1	541g
AAW	02	0007	Stone	Marble rocks	Unknown	1	1736g
AAX	02	0007	Stone	Marble rocks	Unknown	1	1.6kg
AAY	02	0007	Stone	Marble rocks	Unknown	1	3.2kg
AAZ	02	0004	Ceramic	Base sherd	20 th century	1	109g
ABA	02	0004	Ceramic	Rim sherd	20 th century	1	248g
ABB	02	0004	Ceramic	Base sherd	20 th century	1	105g
ABC	02	0004	Ceramic	Base sherd	20 th century	1	119g
ABD	02	0004	Ceramic	Rim sherd	20 th century	1	59g
ABE	02	0004	Ceramic	Rim sherd	20 th century	1	11g
ABF	02	0004	Ceramic	Base sherd	20 th century	1	14g
ABG	02	0004	Ceramic	Body sherd	20 th century	1	10g
ABH	02	0004	Ceramic	Bowl	19 th /20 th C	1	9g
ABI	06	0021	Ceramic	Body sherd	Late 19 TH C	1	30g
ABJ	06	0021	Ceramic	Body sherd	Late 19 TH C	1	18g
ABK	06	0021	Ceramic	Body sherd	Late 19 TH C	1	15g
ABL	06	0021	Ceramic	Body sherd	Late 19 TH C	1	10g
ABM	06	0021	Ceramic	Body sherd	Late 19 TH C	1	11g
ABN	06	0021	Ceramic	Body sherd	Late 19 TH C	1	7g
ABO	06	0021	Ceramic	Body sherd	Late 19 TH C	1	26g
ABP	06	0021	Ceramic	Body sherd	Late 19 TH C	1	29g
ABQ	06	0021	Ceramic	Body sherd	Late 19 TH C	1	14g
ABR	06	0021	Ceramic	Body sherd	Late 19 TH C	1	12g
ABS	06	0021	Ceramic	Body sherd	Late 19 TH C	1	5g
ABT	06	0021	Ceramic	Body sherd	Late 19 TH C	1	4g
ABU	06	0021	Ceramic	Body sherd	Late 19 TH C	1	3g
ABV	06	0021	Ceramic	Body sherd	Late 19 TH C	1	5g
ABW	06	0021	Ceramic	Body sherd	Late 19 TH C	1	1g
ABX	06	0021	Ceramic	Body sherd	Late 19 TH C	1	16g
ABY	06	0021	Ceramic	Body sherd	Late 19 TH C	1	15g
ABZ	06	0021	Glass	Brown bottle	20 th century	1	168g
ACA	06	0018	Glass	Bovril jar	20 th century	1	239g
ACB	06	0018	Glass	Bottle neck	20 th century	1	110g
ACC	06	0018	Ceramic	Body sherd	20 th century	1	7g
ACD	06	0018	Ceramic	Body sherd	20 th century	1	15g
ACE	06	0018	Ceramic	Body sherd	20 th century	1	7g
ACF	06	0018	Ceramic	Body sherd	20 th century	1	15g
ACG	06	0018	Ceramic	Body sherd	20 th century	1	14g
ACH	06	0018	Ceramic	Bottle stop	20 th century	1	16g
ACI	06	0022	Ceramic	Rim sherd	20 th century	1	19g
ACJ	06	0022	Ceramic	Body sherd	20 th century	1	22g
ACK	06	0022	Glass	Body sherd	20 th century	1	40g
ACL	06	0023	Sandstone	Mullion	Late 19 TH C	1	4.5kg
ACM	06	0023	Sandstone	Broken mullion?	Late 19 TH C	1	4.2kg
ACN	06	0023	Limestone	Flagstone	19 th ?	1	3kg
ACO	06	0023	Limestone	Flagstone	19 th ?	1	2.5kg
ACP	06		Ceramic	Brick	19 th ?	1	1.2kg
ACQ	06		Ceramic	Brick	19 th /20 th C	1	2.3kg
ACR	06	0062	Ceramic	Brick	19 th /20 th C	1	2.1kg
ACS	10	0062	Ceramic	Brick orange	19 th /20 th C	1	3kg
ACT	10	0057	Ceramic	Brick with crosses	19 th /20 th C	1	2.1kg
ACU	10	0066	Ceramic	Brick rounded	19 th /20 th C	1	1.1kg
ACV	10	0066	Ceramic	Brick	19 th /20 th C	1	3.5kg
ACW	10	0057	Ceramic	Brick with ridge	19 th /20 th C	1	1.9kg
ACX	10	0057	Ceramic	Brick with glaze	19 th /20 th C	1	3kg
ACY	10	0066	Ceramic	Brick	19 th /20 th C	1	2.5kg
ACZ	10	0059	Ceramic	Brick	19 th /20 th C	1	244g

ADA	10	0059	Ceramic	Brick/tile	19 th /20 th C	1	119g
ADB	10	0059	Slate	Slate	19 th /20 th C	1	102g
ADC	10	0057	Ceramic	Tile/yellow green	19 th /20 th C	1	195g
ADD	10	0057	Ceramic	Tile/white pink	19 th /20 th C	1	116g
ADE	10	0057	Ceramic	Tile/green	19 th /20 th C	1	81g
ADF	10	0057	Slate	Tile	19 th /20 th C	1	82g
ADG	10	0057	Slate	Tile	19 th /20 th C	1	78g
ADH	10	0057	Ceramic	Base	19 th /20 th C	1	41g
ADI	10	0062	Ceramic	Rim	19 th /20 th C	1	3g
ADJ	10	0062	Ceramic	Tile	19 th /20 th C	1	43g
ADK	10	0062	Ceramic	Tile	19 th /20 th C	1	37g
ADL	10	0062	Ceramic	Tile	19 th /20 th C	1	20g
ADM	10	0062	Ceramic	Tile	19 th /20 th C	1	19g
ADN	10	0062	Ceramic	Tile	19 th /20 th C	1	12g
ADO	10	0062	Ceramic	Tile	19 th /20 th C	1	9g
ADP	10	0062	Ceramic	Brick	19 th /20 th C	1	1kg
ADQ	10	0062	Ceramic	Brick	19 th /20 th C	1	3.5kg
ADR	10	0062	Stone	Stone	19 th /20 th C	1	3.5kg

Appendix 3. Index of Archive and Arrangements for Deposition

<i>Field Records</i>	<i>Description</i>	<i>Number</i>
Watching brief record sheets	Record of visit and work carried out	10
Drawing record sheets	List of drawings made on site	1
Photographic record sheets	List of photographs taken on site	2
Context records sheets	Record of contexts recorded on site	2
Site drawings on perma traces sheets	Site plan @1:200	0
	Section drawings @1:20 on A3 permatrace	8
	@1:20 on A4 permatrace	0
Photographs:- Digital B&W (with negatives)	All views	215
	Recorded sections	109
Finds	CBM 19 th /29 th century.	20
	Pot	48
	Glass, bottles	9
	Bone	1
	Stone	13
<i>Documents</i>	<i>Description</i>	<i>Number</i>
Written scheme of investigation	Statement of the aims, objectives and methodology for the project.	1
Report to client	Report of findings of the watching brief.	1

Archive Deposition.

The archive is currently held in the offices of Trent & Peak Archaeology, Unit 1 Holly Lane, Chilwell, Nottingham. It will be deposited at the Derby Museum and Art Gallery, TPA project code ECT, Accession Number DBYMU 2011 -136. The archive will be deposited by the end of Nov. 2013.

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OASIS ID: trentpea1-155816

Project details

Project name	Elvaston Castle Cable Trench
Short description of the project	Watching Brief on cable trenching in the grounds of Elvaston Castle
Project dates	Start: 20-12-2011 End: 19-01-2012
Previous/future work	Not known / Not known
Type of project	Field evaluation
Site status	Conservation Area
Current Land use	Other 14 - Recreational usage
Monument type	HOUSE AND GARDENS Post Medieval
Monument type	HOUSE AND GARDENS Post Medieval
Significant Finds	NONE None
Significant Finds	NONE None
Methods & techniques	"Visual Inspection"
Development type	Service infrastructure (e.g. sewage works, reservoir, pumping station, etc.)
Development type	Watching Brief
Prompt	Planning condition
Position in the planning process	After full determination (eg. As a condition)

Project location

Country	England
Site location	DERBYSHIRE EREWASH OCKBROOK AND BORROWASH Elvaston Castle
Postcode	DE72 3TQ
Study area	0.75 Kilometres
Site coordinates	SK 440637 332841 52 -1 52 53 41 N 001 20 41 W Point
Height OD / Depth	Min: 38.00m Max: 41.00m

Project creators

Name of Organisation	Trent and Peak Archaeology
Project brief originator	Contractor (design and execute)

Project design originator	Laurence Platt
Project director/manager	Dr Howard Jones
Project supervisor	Richard Parker
Type of sponsor/funding body	County Council
Name of sponsor/funding body	Derbyshire County Council

Project archives

Physical Archive recipient	Derby Museum and Art Gallery
Physical Contents	"Animal Bones", "Ceramics", "Glass", "Worked stone/lithics"
Digital Contents	"Animal Bones", "Ceramics", "Glass"

Entered by	Laurence Platt (lplatt@yorkat.co.uk)
Entered on	29 July 2013

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Plate 01. General shot Area 02, lawned area. Looking north west.



Plate 02. Marble rocks in lowest levels of road makeup.
Looking north east.



Plate 03. Pipe laying lawned Area 02. Looking north west.



Plate 04. Foundation of gatepost in Area 02 at entrance to church road. Looking east north east.



Plate 05. Trench abutting road edge Area 04. Looking north east.



Plate 06. Trench cutting across car park Area 06. Looking north west.



Plate 07. Section through modern infill of car park. Looking south west.



Plate 08. Flagstone paving in Area 06. Looking north west.



Plate 09. Detail of flagstone paving in Area 06. Looking east.



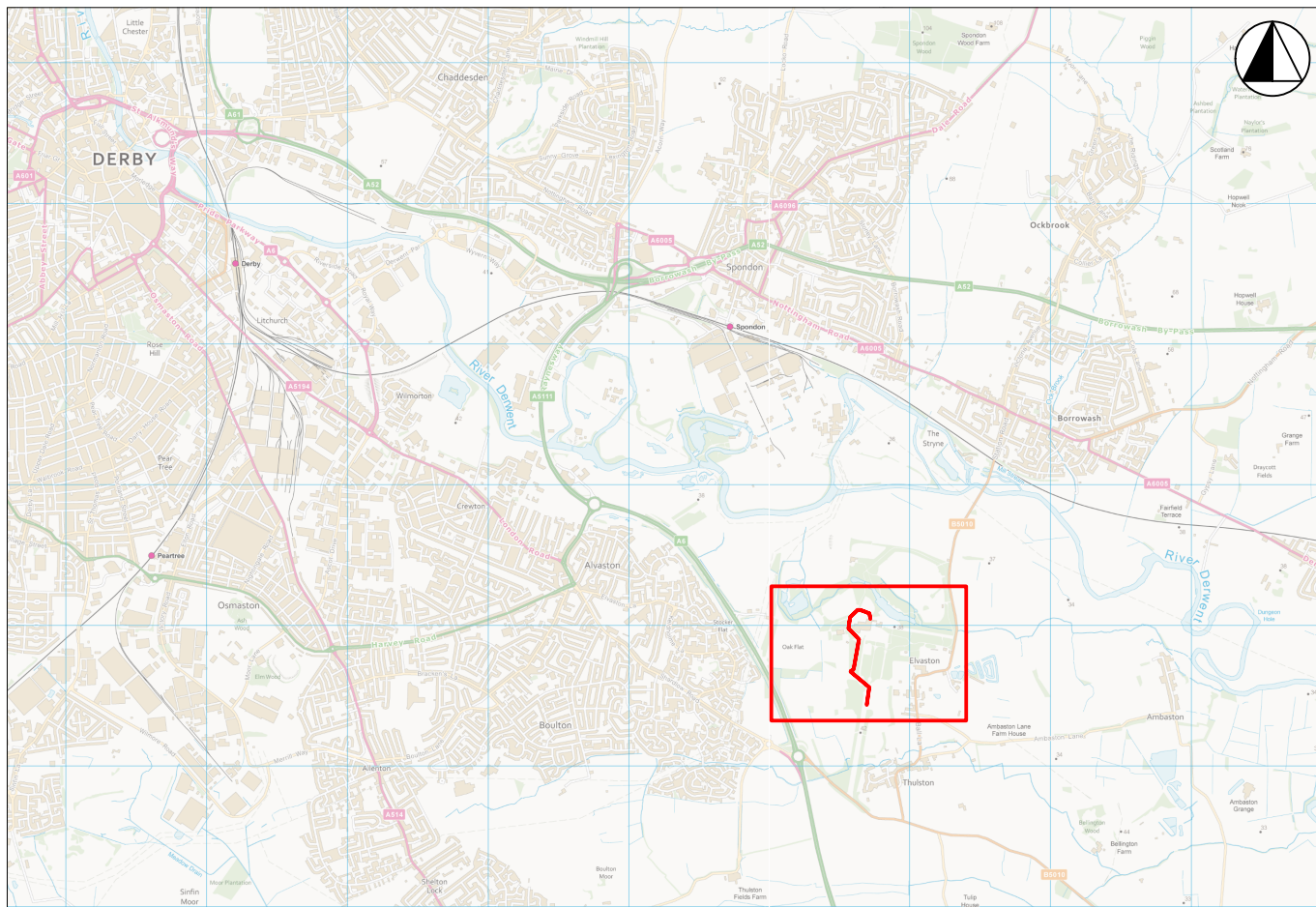
Plate 10. South facing section of Area 10 showing brick rubble below the topsoil. Looking north

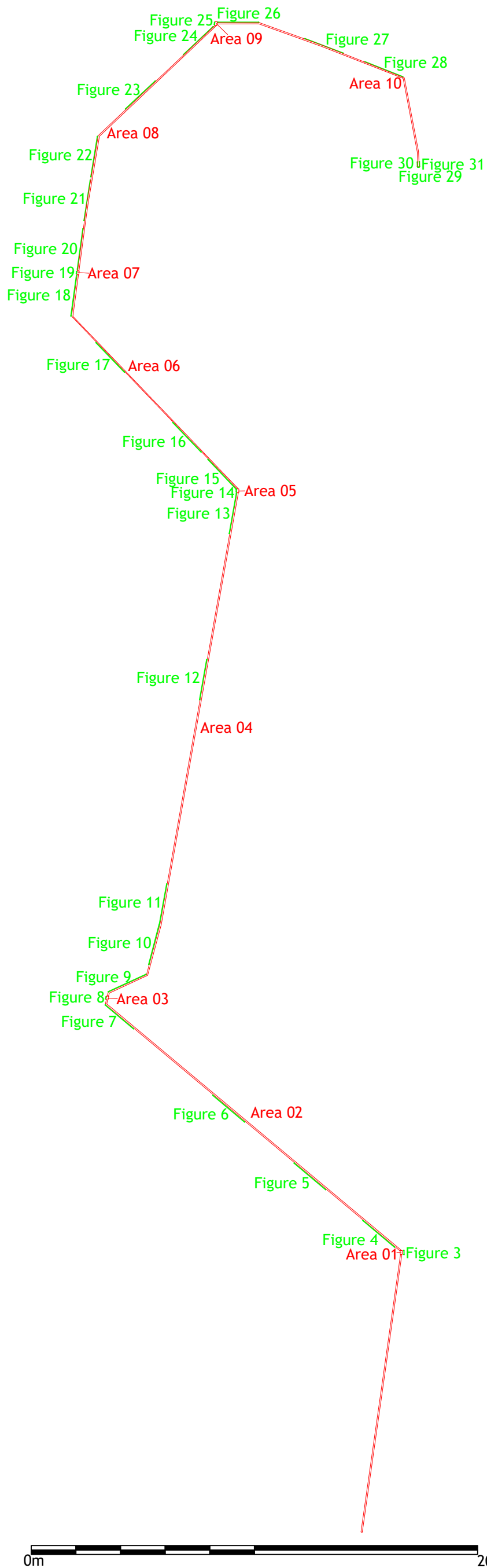


Plate 11. South west facing section showing made ground in Area 10. Looking east.



Plate 12. Area 10 terminating at the north east facing wall of Elvaston Castle with brick foundation. Looking south east

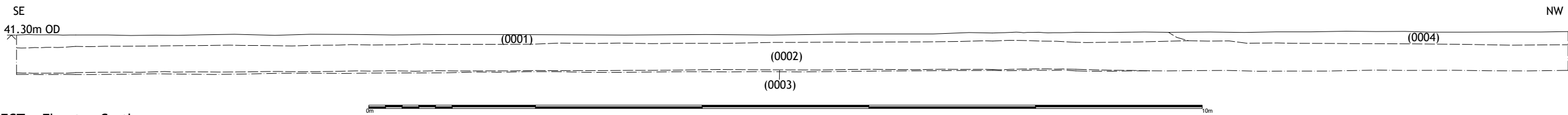




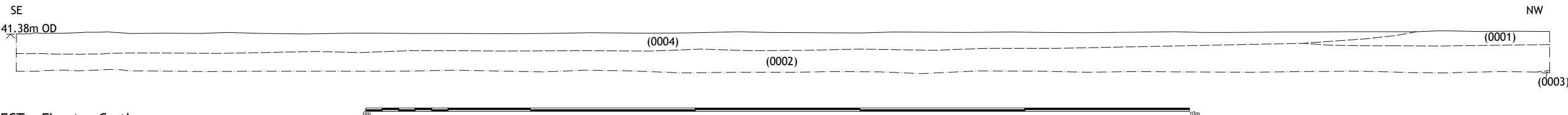
0m 200m



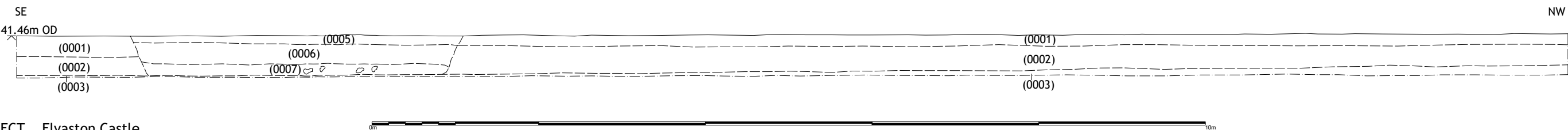
ECT Elvaston Castle
 Figure 3 West facing section of Area 01
 Scale at A3 1:50



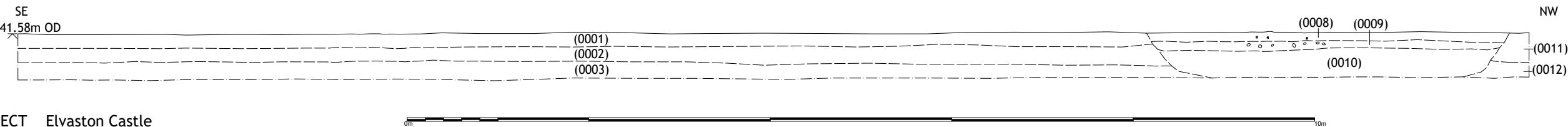
ECT Elvaston Castle
 Figure 4 Representative north-east facing section of Area 02
 Scale at A3 1:50



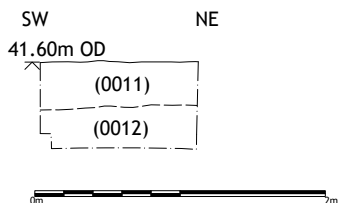
ECT Elvaston Castle
 Figure 5 Representative north-east facing section of Area 02
 Scale at A3 1:50



ECT Elvaston Castle
 Figure 6 Representative north-east facing section of Area 02
 Scale at A3 1:50

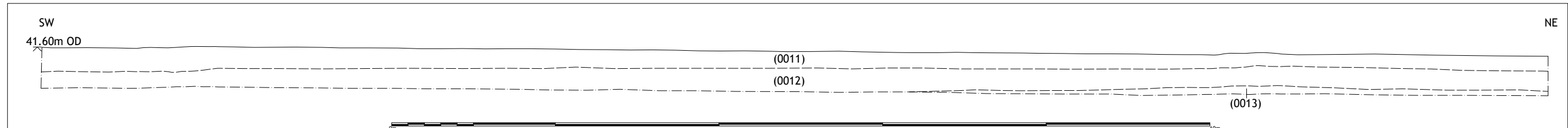


ECT Elvaston Castle
 Figure 7 Representative north-east facing section of Area 02
 Scale at A3 1:50

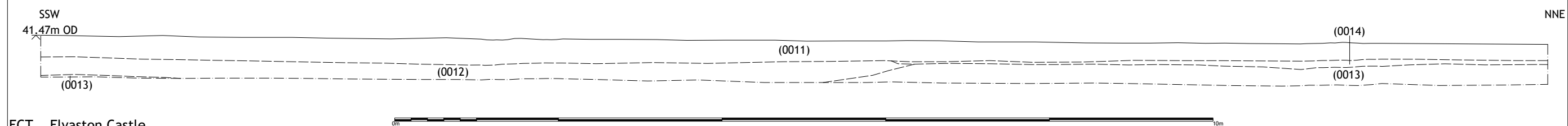


ECT Elvaston Castle
 Figure 8 South-east facing section of Area 03
 Scale at A3 1:50

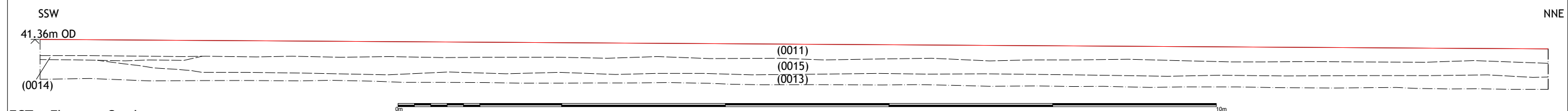
- | | |
|--|--|
| 0001 Friable mid brown silt loam | 0010 Mid reddish brown sand and gravel |
| 0002 Firm mid brown silt loam | 0011 Loose dark brown silt loam |
| 0003 Firm mid brown clay | 0012 Friable mid-dark brown silt loam |
| 0004 Friable dark brown humic topsoil | |
| 0005 Solid black tarmac | |
| 0006 Compacted mid brown sand gravel | |
| 0007 Large angular marble 5-200mm within red sand clay | |
| 0008 Solid black tarmac surface | |
| 0009 Yellow compacted angular stone | |



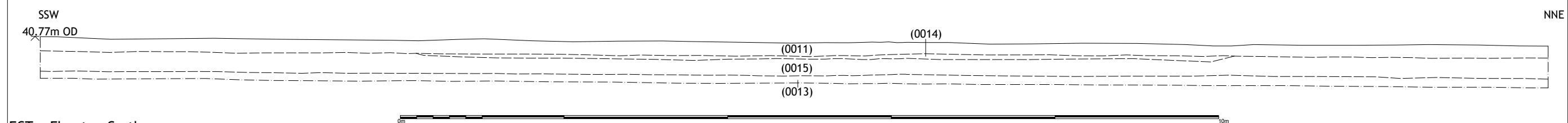
ECT Elvaston Castle
Figure 9 Representative south-east facing section of Area 04
Scale at A3 1:50



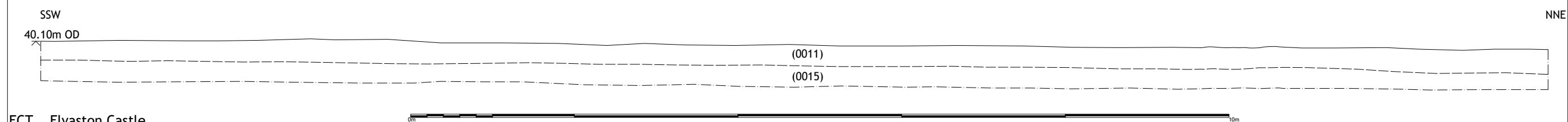
ECT Elvaston Castle
Figure 10 Representative south-south-east facing section of Area 04
Scale at A3 1:50



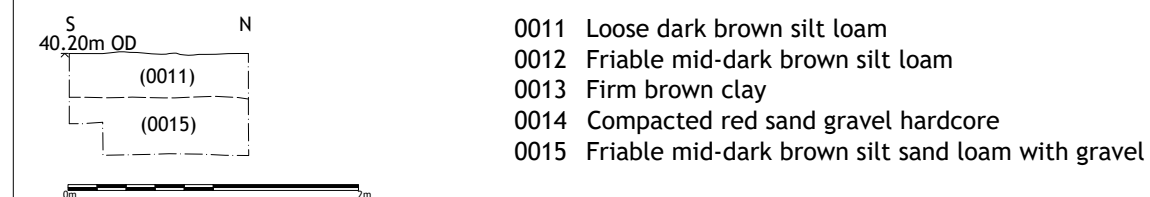
ECT Elvaston Castle
Figure 11 Representative south-south-east facing section of Area 04
Scale at A3 1:50



ECT Elvaston Castle
Figure 12 Representative south-south-east facing section of Area 04
Scale at A3 1:50

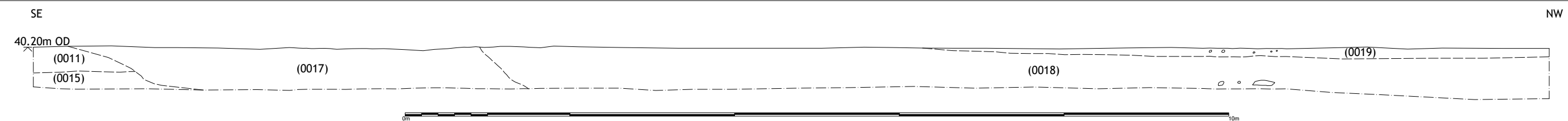


ECT Elvaston Castle
Figure 13 Representative south-south-east facing section of Area 04
Scale at A3 1:50

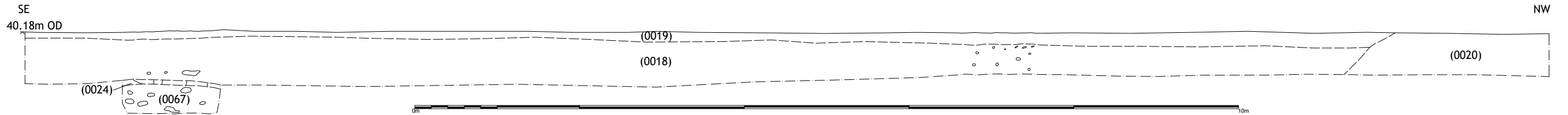


ECT Elvaston Castle
Figure 14 East facing section of Area 05
Scale at A3 1:50

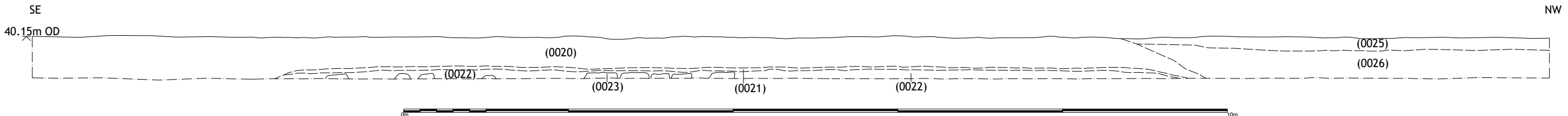
- 0011 Loose dark brown silt loam
- 0012 Friable mid-dark brown silt loam
- 0013 Firm brown clay
- 0014 Compacted red sand gravel hardcore
- 0015 Friable mid-dark brown silt sand loam with gravel



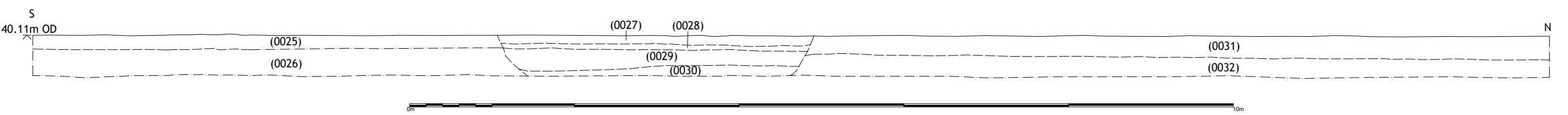
ECT Elvaston Castle
 Figure 15 Representative north-east facing section of Area 06
 Scale at A3 1:50



ECT Elvaston Castle
 Figure 16 Representative north-east facing section of Area 06
 Scale at A3 1:50



ECT Elvaston Castle
 Figure 17 Representative north-east facing section of Area 06
 Scale at A3 1:50

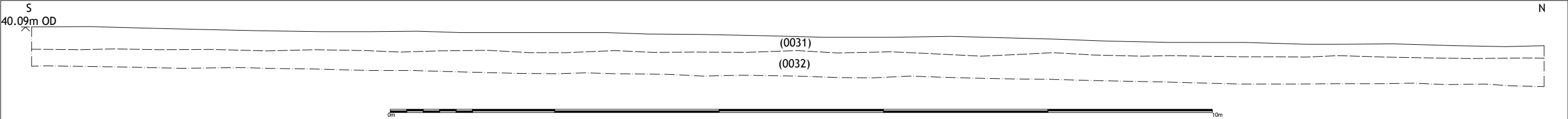


ECT Elvaston Castle
 Figure 18 Representative east facing section of Area 06
 Scale at A3 1:50

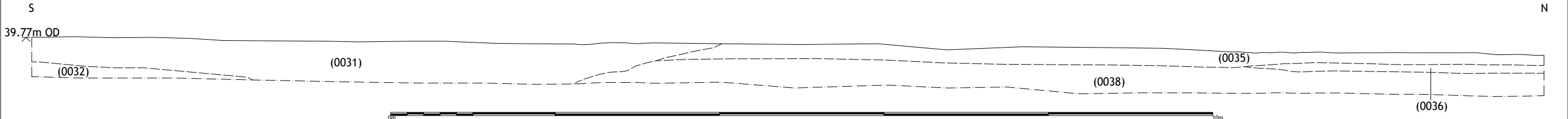


ECT Elvaston Castle
 Figure 19 East facing section of Area 07
 Scale at A3 1:50

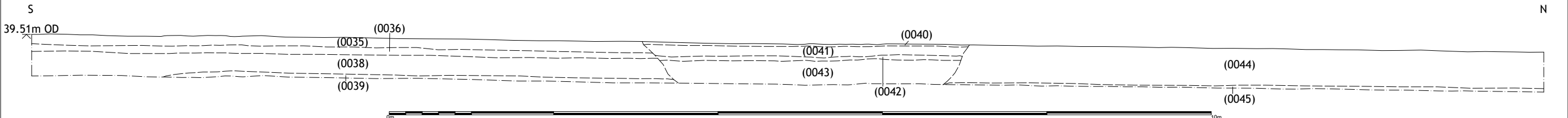
- | | |
|--|---|
| 0011 Loose dark brown silt loam | 0024 Area of broken brick and disturbance. Possible footings |
| 0015 Friable mid-dark brown silt sand loam with gravel | 0025 Loose mid grey |
| 0017 Loose friable silt | 0026 Fine light orange brown silt loam |
| 0018 Friable dark grey-black compacted silt clay with extensive brick rubble | 0027 Compacted white limestone chipping road surface |
| 0019 Black loose tarmac | 0028 Compacted black clinker |
| 0020 Loose dark grey silt loam | 0029 Compacted mid brown silt clay with 20% sub-rounded stone and brick fragments |
| 0021 Compacted mid grey clinker ash | 0030 Dark brown clay |
| 0022 Dark grey clinker ash | 0031 Loose dark brown silt loam - topsoil |
| 0023 Limestone flag floor stones | 0032 Fine light orange brown silt loam |
| | 0067 Dark grey brown silt clay with extensive brick rubble |



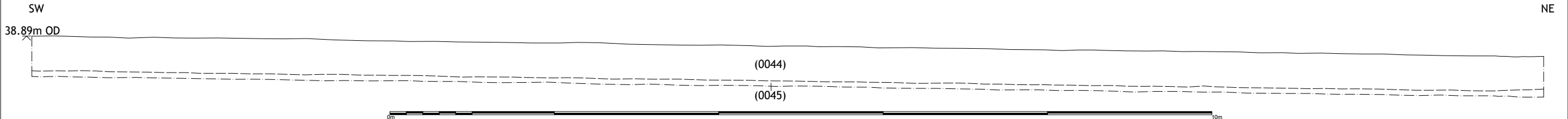
ECT Elvaston Castle
Figure 20 Representative east facing section of Area 08
Scale at A3 1:50



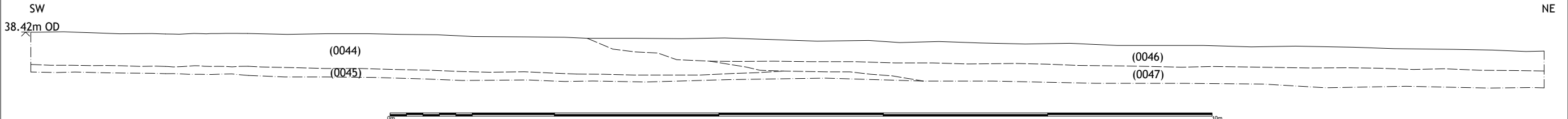
ECT Elvaston Castle
Figure 21 Representative east facing section of Area 08
Scale at A3 1:50



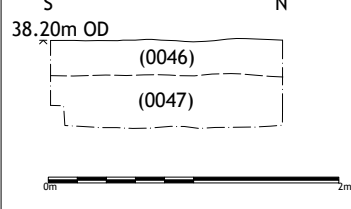
ECT Elvaston Castle
Figure 22 Representative east facing section of Area 08
Scale at A3 1:50



ECT Elvaston Castle
Figure 23 Representative south-east facing section of Area 08
Scale at A3 1:50

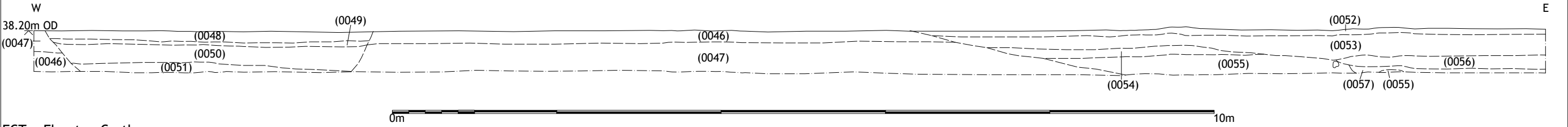


ECT Elvaston Castle
Figure 24 Representative south-east facing section of Area 08
Scale at A3 1:50

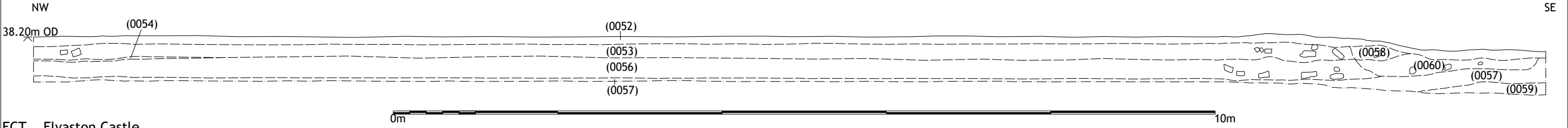


ECT Elvaston Castle
Figure 25 East facing section of Area 09
Scale at A3 1:50

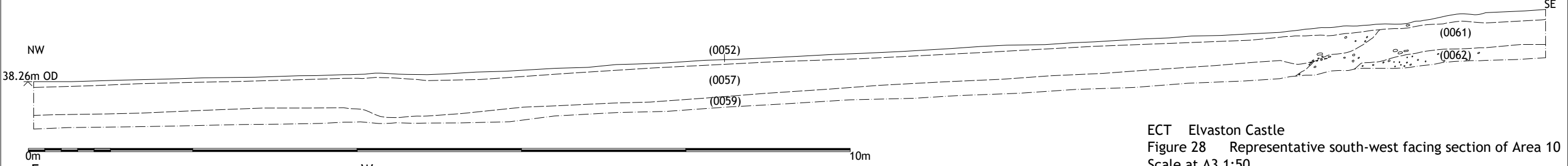
- | | |
|---|--------------------------------------|
| 0031 Loose dark brown silt loam - topsoil | 0042 Orange loose sand |
| 0032 Fine light orange brown silt loam | 0043 Compacted made ground |
| 0035 Loose dark brown silt loam - topsoil | 0044 Friable black silt loam |
| 0036 Orange compacted angular stone 10-30mm | 0045 Firm mid brown clay |
| 0038 Compacted dark blue grey angular stone 10-30mm with 20% dark brown silt loam | 0046 Mid-dark brown silt loam |
| 0039 Made ground | 0047 Mid orange brown firm clay silt |
| 0040 Concrete road surface | |
| 0041 Coarse black tarmac | |



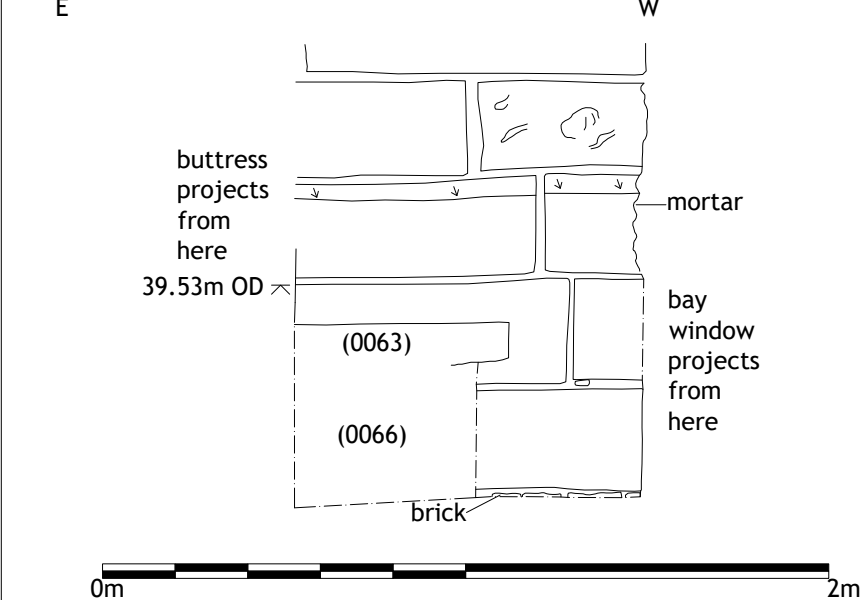
ECT Elvaston Castle
Figure 26 Representative south facing section of Area 10
Scale at A3 1:50



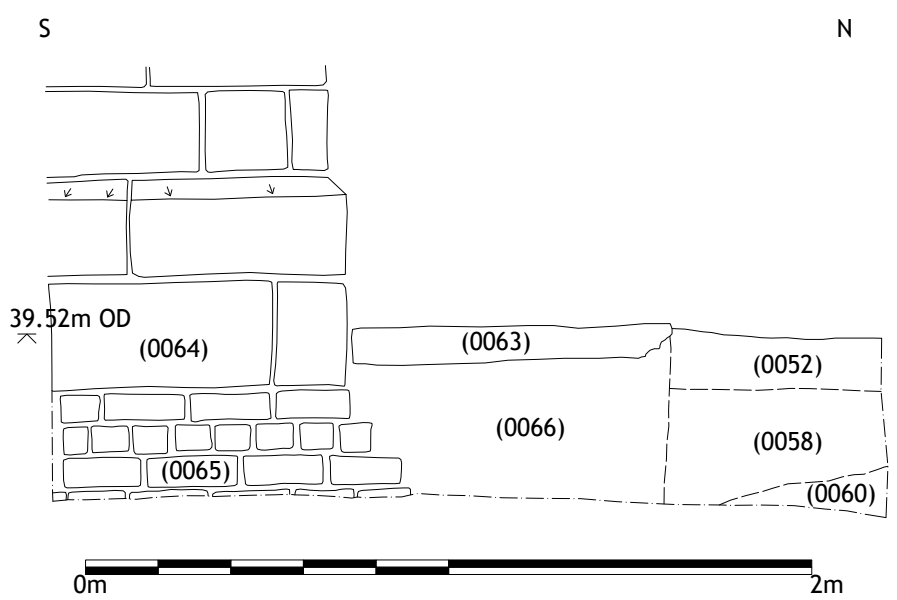
ECT Elvaston Castle
Figure 27 Representative south-west facing section of Area 10
Scale at A3 1:50



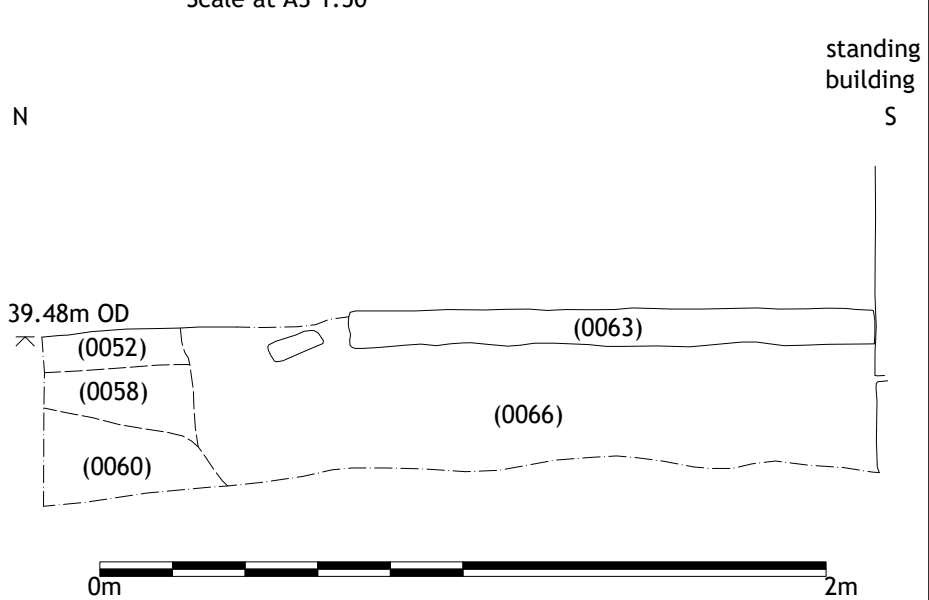
ECT Elvaston Castle
Figure 28 Representative south-west facing section of Area 10
Scale at A3 1:50



ECT Elvaston Castle
Figure 29 North facing section of Area 10 at standing building
Scale at A3 1:20



ECT Elvaston Castle
Figure 30 East facing section of Area 10 at standing building
Scale at A3 1:20



ECT Elvaston Castle
Figure 31 West facing section of Area 10 at standing building
Scale at A3 1:20

- 0046 Mid-dark brown silt loam
- 0047 Mid orange brown firm clay silt
- 0048 Angular limestone 10-30mm - modern road surface
- 0049 Tarmac
- 0050 Brown silt and gravel
- 0051 Firm mid brown clay
- 0052 Loose dark brown loam - topsoil

- 0053 Mid yellow brown silt loam
- 0054 Mid grey brown silt clay
- 0055 Mid-dark yellow brown soft-friable silt clay
- 0056 Brick rubble
- 0057 Dark grey blue clay silt
- 0058 Orange brown loose coarse sand with brick rubble
- 0059 Mid-dark grey brown silt clay

- 0060 Pink brown angular limestone 10-30mm with 20% brown coarse sand
- 0061 Mid brown friable and soft clay silt with 5% sub rounded stone 10-30mm
- 0062 Mid orange brown soft sand clay with 20% sub rounded stone 10-30mm
- 0063 Concrete
- 0064 Limestone blocks - standing building
- 0065 Red bricks - foundations
- 0066 Brick, tile and slate rubble