

**ORPINGTON AND DISTRICT ARCHAEOLOGICAL SOCIETY**

**SCADBURY MOATED MANOR,  
CHISLEHURST, BR7 6LN**

**NEW FENCING  
WATCHING BRIEF REPORT**

**Michael Meekums**



**Archives Volume 44 No 3 Annex**

Cover photograph: Fencing completed on south side by nature trail

© Orpington and District Archaeological Society, 2022

## CONTENTS

|        |                                                   |         |
|--------|---------------------------------------------------|---------|
| 1      | Introduction                                      | Page 5  |
| 2      | Site Location, Geography and Topography           | Page 5  |
| 3      | Archaeological and Historical Background          | Page 7  |
| 3.1    | General                                           | Page 7  |
| 3.2    | The Moat                                          | Page 8  |
| 4      | Previous Excavation and Brickwork Consolidation   | Page 11 |
| 5      | Methodology                                       | Page 12 |
| 5.1    | Monitoring and Excavation                         | Page 12 |
| 5.2    | Site code                                         | Page 12 |
| 5.3    | Temporary Bench Mark                              | Page 12 |
| 5.4    | Site Plans                                        | Page 12 |
| 5.5    | Photographs                                       | Page 12 |
| 5.6    | Context Numbers                                   | Page 12 |
| 5.7    | Project Management                                | Page 12 |
| 6      | Fieldwork                                         | Page 13 |
| 6.1    | North Side                                        | Page 13 |
| 6.2    | East Side                                         | Page 13 |
| 6.3    | South Side                                        | Page 14 |
| 6.4    | West Side                                         | Page 14 |
| 7      | Summary of Finds                                  | Page 15 |
| 7.1    | North Side                                        | Page 15 |
| 7.2    | East Side                                         | Page 15 |
| 7.3    | South Side                                        | Page 15 |
| 8      | Conclusions                                       | Page 16 |
| 9      | Recommendations                                   | Page 17 |
| 10     | Acknowledgements                                  | Page 17 |
| 11     | Sources                                           | Page 18 |
| 11.1   | Digital Sources                                   | Page 18 |
| 11.2   | Bibliography                                      | Page 18 |
| 11.3   | Cartographic Sources                              | Page 19 |
| 12     | Maps and plans                                    | Page 20 |
| 13     | Programme of Archaeological Works                 | Page 31 |
| 14     | Context Numbers                                   | Page 31 |
| 15     | Finds                                             | Page 32 |
| 15.1   | Analysis of Finds                                 | Page 32 |
| 15.1.1 | North Side                                        | Page 32 |
| 15.1.2 | East Side                                         | Page 36 |
| 15.1.3 | South Side                                        | Page 37 |
| 16     | Photographs of Work                               | Page 44 |
| 17     | Photographs of Features                           | Page 49 |
| 18     | Soil Samples                                      | Page 51 |
| 19     | Photographs of Soil Samples by Hole               | Page 53 |
| 20     | Old Photograph of the West Arm of Moat in 1899    | Page 58 |
| 21     | Photograph Before and After New Fencing Installed | Page 60 |

## LIST OF FIGURES

|            |                                                |         |
|------------|------------------------------------------------|---------|
| Figure 1:  | Geological Map                                 | Page 6  |
| Figure 2:  | Symonson Map of Kent                           | Page 20 |
| Figure 3:  | Ordnance Survey Map 1897                       | Page 21 |
| Figure 4:  | Ordnance Survey Map 1897 enlarged              | Page 22 |
| Figure 5:  | Ordnance Survey Map 1909                       | Page 23 |
| Figure 6:  | Ordnance Survey Map 1930                       | Page 24 |
| Figure 7:  | Ordnance Survey Map 1960                       | Page 25 |
| Figure 8:  | Plan of New Fencing                            | Page 26 |
| Figure 9:  | Plan showing current and earlier width of moat | Page 27 |
| Figure 10: | North Section                                  | Page 28 |
| Figure 11: | East Section                                   | Page 29 |
| Figure 12: | South Section                                  | Page 30 |
| Figure 13: | Plan of New Fencing                            | Page 59 |

**Site Address: Scadbury Moated Manor, Perry Street, Chislehurst BR7 6LN**

**Grid Reference: TQ 45927007**

## **1. INTRODUCTION**

1.1 This report is for an archaeological watching brief involving the monitoring of the installation of new fencing posts and panels at Scadbury Moated Manor, which is a Scheduled Monument. The work was contracted to idverde by the London Borough of Bromley. It comprises fencing around the north, east and south sides of the moated site. Work started on 24 March 2021 and following a long break, as one extra gate was delayed in being installed, it was finished on 1 December 2021.

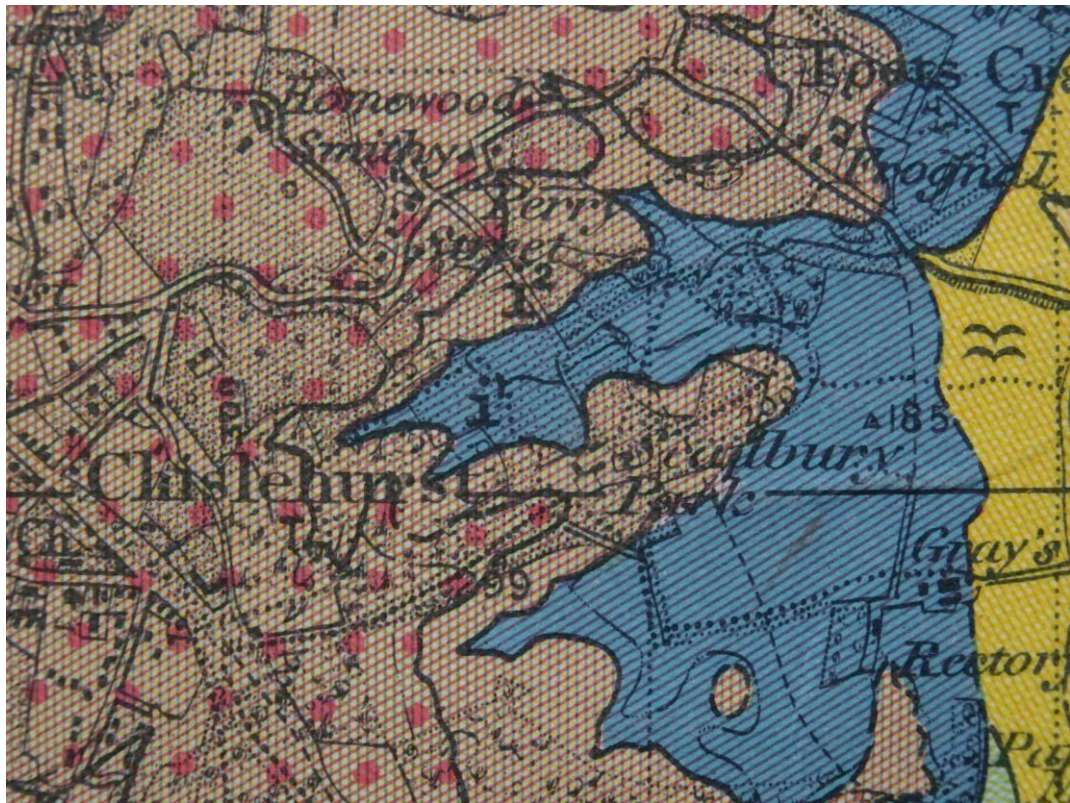
1.2 The reason for the archaeological watching brief was to undertake a programme of archaeological monitoring during the digging of the holes for the posts which would necessitate the disturbance of the ground.

## **2. SITE LOCATION, GEOGRAPHY AND TOPOGRAPHY**

2.1 The site is situated within the Scadbury Park Local Nature Reserve. To the north is Perry Street, to the east are the A20 and Sidcup, to the south are the river Cray, St Paul's Cray, St Mary Cray and Orpington, while to the west is the National Trust Estate of Petts Wood and Hawkwood and north west is Chislehurst.

2.2 The British Geological Survey (Sheet 271 Dartford) shows the site lies in a band of Lambeth Group which comprises sand and clays (formerly named Blackheath Beds). This deposit is underlain by Harwich Formation to the west and Thanet Sand Formation to the east.

2.3 The site sits at 75mOD.



|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>i<sup>2</sup> Harwich Formation (Sand with black flint pebbles, locally shelly, 0-12m)</p> <p>i<sup>2</sup> Lambeth Group (Sand and clay, locally shelly, and flint pebble beds 5-20m)</p> <p>Thanet Sand Formation<br/>(Sand, fine-grained, silty, green coated nodular flints at base 6-30m)</p> <p>Upper Chalk</p> <p>Crayford silt<br/>(Sandy clay and silt 'Brickearth')</p> |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Figure 1: Geological Map - Ordnance Survey Geological Survey of England and Wales (Sheet 257 Dartford) 1951, 1 inch to 1 mile

### **3. ARCHAEOLOGICAL AND HISTORICAL BACKGROUND**

#### **3.1 General**

3.1.1 The site of Scadbury Moated Manor lies within the Scadbury Park local nature reserve. It is a Scheduled Monument (number 1409786) and is placed on the Historic England London 'At Risk Register'. It is within an archaeological priority area and a conservation area.

3.1.2 The de Scathebury family settled at Scadbury around 1200 AD. Their manor house would have been built mainly of timber. In 1301 tax receipts show that John de Scathebury was the richest man in Chislehurst. In 1424 Thomas Walsingham – a wealthy London merchant – bought the estate. He had close connections with the royal court. The Walsinghams rebuilt the manor house in brick, modifying it over time. Sir Edmund Walsingham was Lieutenant of the Tower of London under King Henry VIII. In 1597 Queen Elizabeth I visited Scadbury to knight Sir Edmund's grandson, Thomas Walsingham. The family lived at Scadbury until the estate was sold to Sir Richard Bettenson in 1660.

3.1.3 The estate was subsequently purchased by John Selwyn and settled upon his son-in-law Thomas Townshend. In 1738 the manor-house on the island was pulled down and the Townshends moved to live in nearby Frognal House. Thomas's eldest son, another Thomas, served in the government, becoming Baron Sydney in 1783 and Viscount Sydney in 1789. In Australia, Sydney, then a sparsely occupied harbour, was named after him as he was responsible for the establishment of the penal settlement there. John Robert Townshend, 3<sup>rd</sup> Viscount Sydney, was succeeded in 1890 by his half-nephew Robert Marsham, who added the name 'Townshend' to his own. Robert and his family lived at Frognal.

3.1.4 In 1904 Robert's son Hugh Marsham-Townshend moved back to Scadbury to a house near the island. He began a programme of investigation and conservation on the island in the 1920s, commissioning the architects Gotch and Saunders to produce a plan of the remains. He had the brick foundations repaired using cement mortar to form garden features such as planters and flower beds, introduced commercial orchards on some of the fields around the estate and built an apple store on the island. In the 1920s and 1930s he conserved much of the brickwork on the island using original Tudor bricks with cement on top of the Tudor foundations which had been constructed using lime mortar. In 1936 he constructed a 'medieval manor hall' on the foundations of the hall, using timbers brought from a medieval manor house in St Mary Cray which had been taken apart and stored nearby. The Home Guard built WWII defences on the estate. In 1967 Hugh's bachelor son John Marsham-Townshend inherited the estate. He died in 1975 and the estate passed to his nieces.

3.1.5 In 1983 Bromley Council bought the Scadbury Park estate to create a local nature reserve. In 1982 the Orpington and District Archaeological Society carried out a survey of the island which had been neglected and was overgrown with trees. In 1986 ODAS started work on a long term research project which involved excavation as well as documentary

research. In 1987 the timbers of the reconstructed manor hall were dismantled and removed as the structure had become unsafe. The moated manor was designated as a Scheduled Monument in 2013 and placed on the Historic England London 'At Risk Register' in 2014.

### **3.2 The Moat**

3.2.1 The Scadbury Manor site includes a moated island. Today the moat is filled with water on all four sides. The four arms are, however, of different widths and depths; the moat is constructed over sloping ground, and water in the western arm is shallower than that in the eastern arm. The eastern arm is the widest of the four, closely followed by the northern arm, while the southern arm is noticeably narrower and the western arm is narrower still. This suggests that the moat has been altered over time.

3.2.2 The date of the original construction of the moat is not known but is thought to be contemporary with the earliest evidence for settlement at the site, around the late twelfth/early thirteenth century. The original moat was cut into clay and so would have retained water.

3.2.3 Photographs now in Bromley Historic Collections show that Hugh Marsham-Townshend undertook extensive work on the moat in the 1920s, draining and clearing all four arms, re-lining the moat with concrete and reconstructing walls using cementitious mortar (M Alexander 2021). No records were kept of the process so it is not known what condition the moat was in when work began, nor what evidence of earlier phases, if any, was discovered during the work. Some unstratified finds from the moat were retained by Marsham-Townshend and are now held by ODAS. These include pottery sherds from the thirteenth to the eighteenth centuries and a number of clay pipe bowls dating from the seventeenth to nineteenth centuries.

3.2.4 Marsham-Townshend created a garden along the eastern side of the moat opposite the island to complement the garden on the island itself. A 1920s or 1930s water-colour by Beatrice Parsons shows tulips and iris growing, interspersed with ornamental conifers; the southern arm is divided by causeways and reeds are growing against the southern bank and in the western arm.

3.2.5 Aerial photographs of 1934 show what appears to be similar landscaping on the island, and around it, with a garden area to the east. (Britain from Above)

3.2.6 The form of the original thirteenth-century moat is unknown but it is possible that the four arms were then broadly equal in width. The ground seems to have sloped towards the water both on the island and on the 'mainland'. It is not known whether there were any arrangements for releasing water or whether any wooden sluices were constructed. Debris from the original moat excavation on the eastern side has been identified at the south eastern corner, (M Alexander 2021).

3.2.7 A brick moat wall was constructed around the island. The wall on the west side of the island was built around the late fifteenth/early sixteenth century; this is dated from a token of between 1420-1490 found in the fill behind the wall.

3.2.8 A brick culvert appears to have been constructed on the northern side but is no longer visible. This is referred to in Webb's *History of Chislehurst*, page 286.

'At a distance of two hundred yards from the north of the house, in a field at the edge of the park, there is a sandy pit about twelve feet deep. This was formerly level, and a large elm tree grew on the spot. In 1851, during a gale, this tree suddenly sank into the ground for a considerable distance. On removing the stump, remains of masonry, indicating an arched passage, were found; the collapse of which had caused the fall of the tree. This was probably a drain for letting off the water from the moat for cleaning purposes, as a doorway and passage exist in the outer bank of the moat beneath the surface of the water.'

3.2.9 Recent ODAS excavation has shown that on the western side the original arm was much wider than it now is. This arm was evidently partly filled in, in more than one phase. It seems first to have been altered in the late sixteenth century, to permit a new entrance-way on to the island, along with a drawbridge for which the stone corbels and brick pit remain *in situ*. This may have replaced an earlier bridge or may have been an entirely new creation. (F A Hart 2019).

3.2.10 An estate map of 1733/34 does not offer any representation of the moated island, as the map relates purely to fields which were leased out following the death of Sir Edward Bettenson. It seems that by the mid-18<sup>th</sup> century at least the portion of the western arm to the south of the bridge had become dry, as the lease of fields to Edward Haws made in 1734 describes certain features which are excluded; one of these is 'a Peare tree commonly called [blank] growing in the Moate on the right hand side of the bridge goeing into Scadbury house'.

3.2.11 The James Gudsell estate map of 1810 shows the moat and island as a standardised image labelled 'Site of the ancient Mansion' the island being square and the moat shown equidistant around it.

3.2.12 The Chislehurst Tithe Map of 1844 shows water in the east, south and west sides of the moat. The north arm is dry. The eastern arm is wider than the south and west arms. There is a causeway across the south arm.

3.2.13 The OS map for 1897 shows the north and south arms as dry.

3.2.14 The OS map for 1909 shows no water in the north and south arms; however causeways cross the dry arms on both the north and south sides.

3.2.15 Following Marsham-Townshend's works in the 1920s, the 1930 OS map shows water in all four arms and across both the northern and southern arms. Photographs show a wood and metal bridge in place on the western arm.

3.2.16 The significance of these variations in representation of the moat is that the area around its external perimeter is likely also have altered over time.

3.2.17 The western bank is under excavation but slopes down towards the moat with a retaining wall along its edge; at least the upper levels of this were constructed or replaced by Marsham-Townshend. The lower levels appear to be Tudor brickwork.

3.2.18 A public nature-trail runs alongside the southern edge of the moat; to the south of this path is a large bank topped with yew trees, presumably representing hedge-planting from the 1920s which has not been kept trimmed.

3.2.19 The eastern side, not open to the public, consists of a wide platform also edged with yew trees from the 1920s which have been allowed to grow unchecked. The platform, a formal garden in the 1930s, is now covered with secondary tree growth. It contains a 1920s sluice-chamber measuring 165cmx115cm covered with a small flint-and-concrete structure resembling a 'grotto', presumably originally a garden feature; this can be seen on 1934 aerial photographs. The survey undertaken by Historic England showed evidence of an earlier bank on the south-eastern corner. This is suspected to be redeposited fill possibly from when the moat was first dug (M Alexander 2021).

3.2.20 To the north there is a wide grass path, embanked and edged with secondary trees and bushes, which runs alongside a field. This leads to a causeway on to the island.

3.2.21 The causeway entrance to the island on the south side shown on the 1909 map no longer exists. Marsham-Townshend constructed brick buttresses reaching into the moat containing slots which held wooden sleepers to form two causeways.

3.2.22 Sections of the west and north arms may have dried out naturally over time, particularly on the west where the 16<sup>th</sup>/early 17<sup>th</sup> century alterations narrowed the arm, which stood considerably higher up the natural slope than the remainder of the moat, and reduced water-flow.

3.2.23 There has been no previous archaeological excavation of the areas alongside the moat on the north, east and south sides. The fencing work has therefore provided an opportunity to examine the make-up of the ground on these sides, to see whether it is natural or has been altered; to explore particular areas such as the bank where the western and southern arms meet; generally, to check whether there is any dating evidence for the construction of the banks; and to see whether there is any evidence of water-management.

#### **4. PREVIOUS EXCAVATION AND BRICKWORK CONSOLIDATION**

4.1 As mentioned above, Hugh Marsham-Townshend, the owner of the Scadbury estate carried out extensive excavations, consolidation and rebuilding work within, and outside, the moated area in the 1920s and 1930s. The tops of almost all the Tudor foundations on the island were repointed and capped with reused Tudor bricks using cement mortar leaving the Tudor bases with their original lime mortar. In 1936 he constructed a 'medieval manor hall' on the foundations of the hall, using timbers brought from an old manor house in St Mary Cray which had been taken apart and stored nearby. Before WWII this was used as a social space and after this it was used for storing apples. Then the island was left neglected. The timber framing of the hall was dismantled in 1987 leaving features including a concrete staircase, concrete floor, rebuilt pillars and fireplace.

4.2 The Orpington and District Archaeological Society (ODAS) carried out a survey of the manor site in 1982 and has been excavating there since 1986 under licence from the London Borough of Bromley. A drainage channel containing late 12<sup>th</sup> century pottery was excavated (F A Hart 2011) on the island which ran from the great hall to the eastern side of the moat, south of the large cellar. Excavation of the ground next to the east wall of the cellar showed a Tudor wall underneath the 1920s wall (F A Hart 2011). Excavation behind the west moat wall on the island showed that the construction of the moat wall dated to the later 15<sup>th</sup> century (F A Hart 2000). ODAS has also excavated on the outer west side of the moat and found that the original moat was much wider on this side when it was originally constructed. The moat was narrowed by a brick wall around 1550 AD and the area behind it filled in with soil, brick and tile with some pieces of pottery (F A Hart 2019). ODAS has also excavated the foundations of the estate barn and other outbuildings off the island (F A Hart 2003). All excavation reports are listed in the bibliography. In 2011 ODAS also cleared the vegetation from all the walls of the moated site and photographed them to produce a complete photographic record.

4.3 In 2014 the site was placed on the Historic England Register of buildings at risk in Greater London because of concerns about the condition of the standing remains. In 2015 the London Borough of Bromley arranged for emergency shoring to be installed along the south west corner of the island wall. In 2018 props were installed from the moat to support the remaining stretch of the south wall after the eastern section had collapsed. In 2016 a condition survey of the site was undertaken by Sally Strachey Historic Conservation.

## 5. METHODOLOGY

**5.1 Monitoring and Excavation:** Work was started by *idverde* on 24 March 2021 and completed on 1 December 2021. ODAS monitored the hand digging of 150 post holes for the erection of new fencing at Scadbury Moated Manor. The work was undertaken by a team appointed by *idverde* who dug out the soil and placed it in sequence on black plastic so that ODAS could record the various soil types and any finds in the soil. ODAS also recorded the depth of the changes in soil and kept a soil sample for reference. This was compared to the Munsell colour chart. Due to the different types of fencing and gates being delivered at different times, and the fencing team needing to install the fencing down slopes, the holes were not dug consecutively.

**5.2 Site Code** (ODAS code): SC21C. MOLA code for site: SCV/09.

**5.3 Temporary Bench Mark (TBM):** A point on the concrete outside the Apple Store was designated as a temporary bench mark (TBM), and its site level was measured using a dumpy level, giving site zero as 75.442m OD.

**5.4 Site Plans:** ODAS has annotated the 1960 50 inch to 1 mile Ordnance Survey map showing the position of the post holes and has drawn cross sections of the soil around the site from information gained from recording the depth of soil in the holes. The cross sections were annotated to show OD heights. The post numbers are plotted with the order in which they were dug rather than consecutively around the site. See Figures 8-12.

**5.5 Photographs:** These were taken at each stage of the work.

**5.6 Context Numbers:** Rather than context numbers, each hole was given a post hole number. The numbers start at post hole number 1 finishing with post hole number 150. The material from each hole was given a designation of the post hole number followed by the layer letter eg A is top soil and B the next layer down and so on. All detailed sections are related to the site plan.

**5.7 Project Management** The watching brief was directed by Michael Meekums and carried out by members of the Orpington and District Archaeological Society.

## **6. FIELDWORK**

### **6.1 North Side**

6.1.1 Vegetation was cleared along the line of the new fencing by the Scadbury Park manager and his team. The fencing team then dug down by hand, removing the turf on the top and then taking out the soil to a depth of 80cm and placing it on black plastic in the sequence that it came out. ODAS then photographed it, and examined it, retrieving any finds. ODAS then measured, using the site level, the depth of any changes in the nature of the soil and kept a sample of each soil type for reference purposes. The team then placed the metal post into the hole and set it in Postcrete. The remaining soil was then put back into the hole and the fencing panels were attached to the posts.

6.1.2 At post 12 a spring was located and the hole filled with water very quickly. The hole was dug, examined by ODAS for any finds and soil samples kept, Postcrete inserted and the post and fencing panel installed.

6.1.3 At post 29 the fencing team dug through a layer of broken pieces of brick and lime mortar starting 18cm below the surface and then hit something hard at a depth of 60 cm deep. On inspection by ODAS it was found to be solid red brick. Following discussion with the fencing team it was decided not to dig any further as this could be the top of the brick culvert mentioned at para 3.2.8 above and could have quite a deep void. The post here was cut short and the fencing panel was installed.

6.1.4 Set back diagonally from post 36, 4.8m towards the corner of the outer moat bank ODAS came across a ceramic drain pipe under vegetation set in concrete. This appeared to date from the 1920s work carried out on the site.

### **6.2 East Side**

6.2.1 The vegetation was cut back by the Scadbury Park manager and his team. Due to the wet soil conditions along the east part of this side of the site the fencing team had to dig down to the clay layer by hand. A mechanical screw was then used to dig out the lower layer of wet clay as it was impossible to dig this by hand. The soil was put on black plastic, photographed by ODAS, and examined for finds. A sample of soil was kept for reference. The fencing team put Postcrete in the holes and inserted the metal post and attached the metal fencing panels.

6.2.2 In 2016 Historic England undertook a landscape survey of Scadbury Moated Manor and its surroundings. Although the embankment of the east side of the moat is clearly visible, the survey located another lower embankment in the south east corner of the site (M Alexander 2021 page 110 note 16).

6.2.3 At the south east corner of the site by post 63 ODAS cleared the vegetation to ground level and located the extent of the lower embankment referred to in the Historic England survey. This runs 18m north and 35m west and is possibly an earlier embankment. The fencing was erected on the outside of this feature so that it is contained within the fencing.

### **6.3 South Side**

6.3.1 The vegetation was cut back by the Scadbury Park manager and his team. Due to the archaeological sensitivities in the south east corner, as mentioned above, the fencing team dug the holes by hand, not using any mechanical means.

6.3.2 As mentioned above the lower embankment extends 35m west towards the nature trail.

6.3.3 There is an embankment running along the south side of the nature trail by the moat which stands to a height ranging from 0.2m to 1.5m above the nature trail. This embankment slopes down towards the moat and in post holes 127 to 129 there is clay mixed with brick and tile in the fill. This shows that the present walking surface of the nature trail was once not a flat surface but a slope going towards the edge of the moat which was further south than it is now. The flat area walkway was already there in the 1920s photos. So the walkway was constructed earlier, possibly in the 16<sup>th</sup>/17<sup>th</sup> centuries. Brick and tile was laid down to make this area level.

6.3.4 At post 113 the fencing team took the top soil off and came across a solid brick wall. On closer inspection it was clear that this was in line with the edge of the west outer Tudor moat wall, so this wall continues under the current path of the nature trail.

6.3.5 From post 113 to post 139 the soil rises steeply up an earth embankment. From posts 113 to 109 the ground under the top soil is made up with a layer of brick and tile. This make up continues in post 139 on the south side of the embankment and continues on from posts 140 to post 147 south of the embankment.

### **6.4 West Side**

6.4.1 No fencing was installed along the west side apart from posts 111 to 148 which have been put on the section drawing for the south side and posts 117 to 126 which have been put on the section drawing for the north side to give continuity.

## **7. SUMMARY OF FINDS (see Section 15 for details)**

### **North Side**

7.1 The fill from the post holes contains 593 pieces of brick weighing 21,060g. There is modern brick with cement as well as Tudor brick with lime mortar in the top soil and also in the second layer down (see section drawing for details). There are 180 pieces of tile weighing 5,150g in the top soil and in the second layer down. Two pieces have lime mortar on them and one piece has a peg hole. In both the top soil and the second layer down there is Victorian pottery. There are also pieces of chalk, clinker and flint in the top soil and the second layer down. The finds are located between posts 1 and 27 and around post 29 where there is a possible Tudor culvert. There are no finds between posts 29 and 36. Between posts 117 and 126 there is modern brick and tile in the top soil and second layer down.

### **East Side**

7.2 In the top soil there are 89 pieces of brick weighing 1,054g and 3 pieces of tile weighing 78g. There are no finds in the second layer down.

### **South Side**

7.3 Along the south side there are 660 pieces of brick weighing 36,866g, 220 pieces of tile weighing 19,572g and 17 sherds of typically Victorian pottery weighing 262g. In post hole core numbers 79 to 64 there is brick and tile in the top soil and the second layer down. Some pieces of brick and tile in the top soil have cement and lime mortar attached to them. The pieces of brick and tile in the second layer down have neither cement nor mortar attached to them.

7.4 In both the top soil and the second layer down in post hole numbers 80 to 129 there is brick and tile and some Victorian pottery, together with pieces of chalk and clinker.

7.6 Along the edge of the moat in post hole numbers 129 to 114 in both the top soil and the second layer down there were pieces of brick with cement on them, others with lime mortar, pieces of tile and some Victorian pottery.

7.7 At post hole 113 there was a Tudor wall. From 112 to 109 there were pieces of brick and tile with lime mortar attached and some burnt brick, with glaze on, in the top soil and the second layer down. There was also some clinker.

7.8 At post holes 139-148 in both the top soil and the second layer down there were pieces of brick and tile with mortar attached as well as some with no mortar. In both layers there were some pieces of Victorian pottery and in the lower layers there were oyster shell and mussel shell.

## **8. CONCLUSIONS**

8.1 The objectives of the work, to undertake a programme of archaeological monitoring, have been met. The monitoring has provided some new information about the perimeter of the moat.

8.2 On the north side there are pieces of brick and tile in the top soil, and second layer down, between post holes 1 to 30, with no finds from 31 to 36. At post 29 on the north side of the moat there is a solid brick layer which is possibly the top of a Tudor culvert installed to take water from the moat for maintenance.

8.3 On the eastern side there are virtually no finds, with just a few pieces of brick and tile in the top soil.

8.4 Around the south and south east sides of the moat there is an embankment made up to hold the moat water in. Where the fencing was installed in the south east corner, at post 63, there is evidence for an earlier embankment.

8.5 There is also an embankment running along the south side of the nature trail by the moat which stands 1.5m above the nature trail. This embankment slopes down towards the moat, and when it reaches the new fence posts towards the edge of the moat it consists of fill containing brick and tile down to the bottom of the holes. This shows that the walking surface of the nature trail was once not a flat surface but a slope leading towards the edge of the moat. The edge of the moat was further south than it is now.

8.6 The ground level either side of the embankment by post 139 contains brick and tile rubble. However, there is no specific dating evidence for this make up. The date of the embankment is not known, but it is already present in the photos taken in the 1920s of Hugh Marsham-Townshend's restoration work on the moat and island.

8.7 At post 113 the west outer moat brick wall continues under the nature trail to the south.

## **9. RECOMMENDATIONS**

9.1 The fencing work has identified some areas which could help our understanding of the history of the various structures and layout of the site. Some of these areas are within the Scheduled area and some outside it. These are:

- The width of the moat on the north side is currently narrower by the causeway onto the island than the other sides would have been when they were originally dug. There is no evidence of a moat along the line of post holes, so where is the edge of the original moat along the north side? The area between the moat and the fence posts should be investigated to find the edge of the original moat.
- At post 29 the top of some Tudor brick foundations were located, possibly the Tudor culvert mentioned in *The History of Chislehurst*. This needs further investigation, possibly a resistivity survey, to locate the direction of this feature, or even an excavation.
- Around the south east corner post 63 the Historic England survey published in 2021 showed that, as well as the main earth bank of the moat, there is a lower earth bank which could possibly be an earlier earth bank from the original construction of the moat. This should be investigated.
- The made up flat surface on the south side nature trail should be investigated further to see where the edge of the original moat was.
- At Post 113 by the side of the nature trail the fencing team found a brick wall which is possibly the west wall of the outer moat. As the extent of this wall is unknown further investigation is needed.
- Either side of post 139 the ground level has been made up, this needs to be investigated further to find the extent of this and any dating evidence.

## **10. ACKNOWLEDGEMENTS**

10.1 ODAS is grateful for support from London Borough of Bromley and idverde. Thanks to ODAS members who gave up their spare time to help with this project.

## 11. SOURCES

### 11.1 Digital Sources

Alexander, M (2021). Scadbury Moated Manor, London Borough of Bromley: Landscape Investigations, Historic England Research Report 12/2021

<https://historicengland.org.uk/research/results/reports/12-2021/>

Britain from above

<https://www.britainfromabove.org.uk/>

British Geological Survey

[www.bgs.ac.uk](http://www.bgs.ac.uk)

Historic England listing

<https://historicengland.org.uk/listing/the-list/list-entry/1409786?section=official-list-entry>

Orpington and District Archaeological Society, Scadbury History Chronology

[www.odas.org.uk/scadbury-history](http://www.odas.org.uk/scadbury-history)

### 11.2 Bibliography

Archer, S M & Hart F A (2016). *Scadbury Manor, an introduction*. Orpington and District Archaeological Society

Hart, F A (2000). *Excavations at Scadbury – Part 1 Excavations near the island wall*. Orpington and District Archaeological Society

Hart, F A (2001). 'Activities at Scadbury during 2000'. In *Archives* vol 23 no 2, page 17. Orpington and District Archaeological Society. [Excavation of west wall on island].

Hart, F A (2003) *Excavations at Scadbury – Part 3 The estate barn*. Orpington and District Archaeological Society

Hart, F A (2005), *Excavations at Scadbury – Part 5 Remains of buildings in the farmyard*. Orpington and District Archaeological Society

Hart, F A (2008). *Excavations at Scadbury – Part 4 A Tudor gatehouse becomes a modern mansion*. Orpington and District Archaeological Society

Hart, F A (2011). *Excavations at Scadbury – Part 2 Some remains of medieval settlement*. Orpington and District Archaeological Society

Hart, F A (2019). 'The changing moatside at Scadbury'. In *Archives* vol 41 no 2, pages 23-35. Orpington and District Archaeological Society.

Hawes, E, lease (1733/34): Agreement between William Hitchens on behalf of Albinia Selwyn, Theodosia Farrington and Frances Hewit, sisters and coheiresses of Sir Edward Betenson, and Edward Hawes. (Bromley Historic Collections: Marsham-Townshend papers, Ref 1080/1/1/3/1/1/4).

Strachey S, Routledge J (2016). *Condition and Recommendation Report, Scadbury Moated Manor, Scadbury Nature Reserve*. Sally Strachey Historic Conservation.

Webb, E A, Miller G W, Beckwith J (1899). *The History of Chislehurst, its church, manors and parish*. London, George Allen.

### **11.3 Cartographic Sources (in chronological order)**

P Symonson Map of Kent 1596 (This revised edition is dated 1659)

Ordnance Survey map 1897 6 inch to 1 mile

Ordnance Survey map 1909 25 inch to 1 mile

Ordnance Survey map 1930 6 inch to 1 mile

Ordnance Survey Geological Survey of England and Wales (Sheet 257 Dartford) 1951, 1 inch to 1 mile

Ordnance Survey map 1960 50 inch to 1 mile

## 12. MAPS AND PLANS



Figure 2: Symonson Map of Kent 1596 (This revised edition is dated 1659)



Figure 3: Ordnance Survey Map of 1897 6 inch to mile

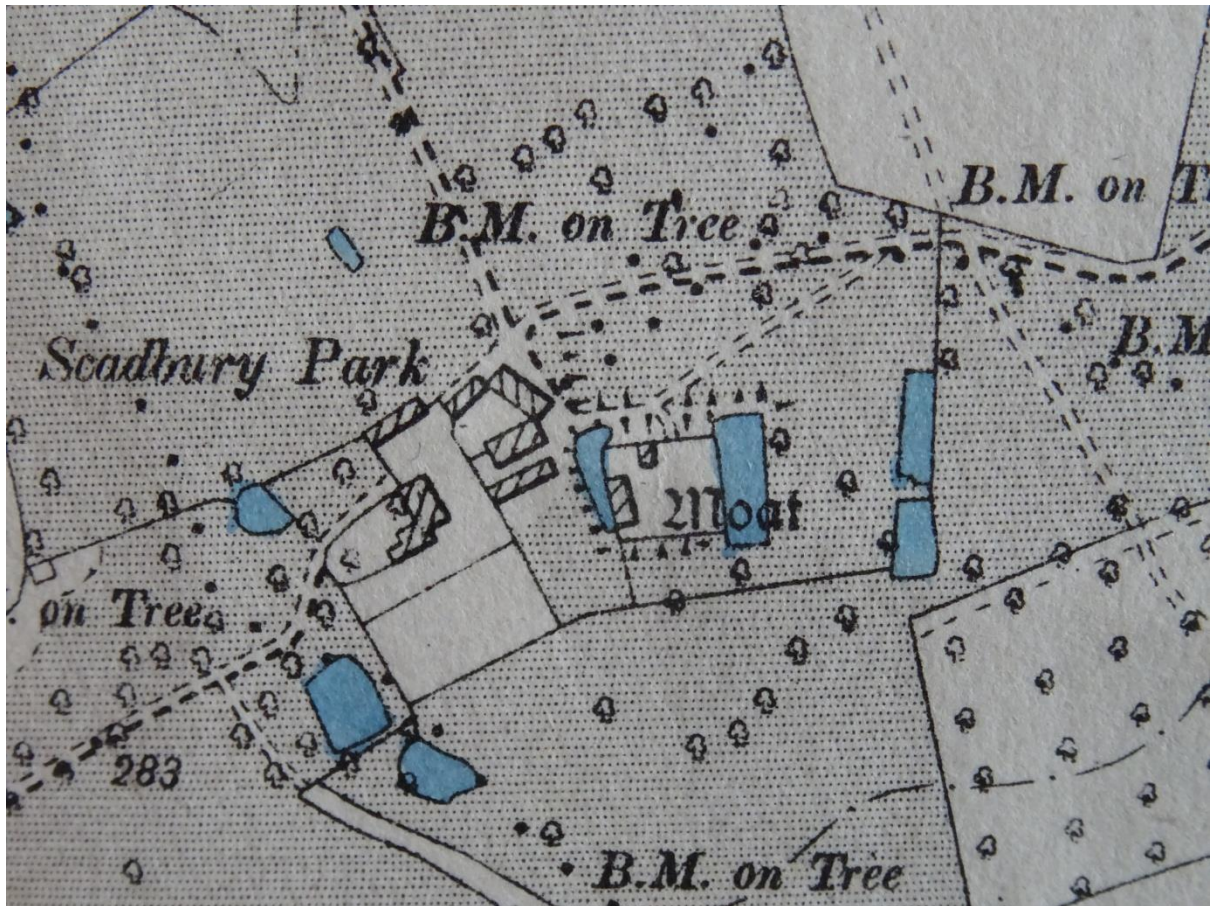


Figure 4: Ordnance Survey Map of 1897 6 inch to mile (enlarged)

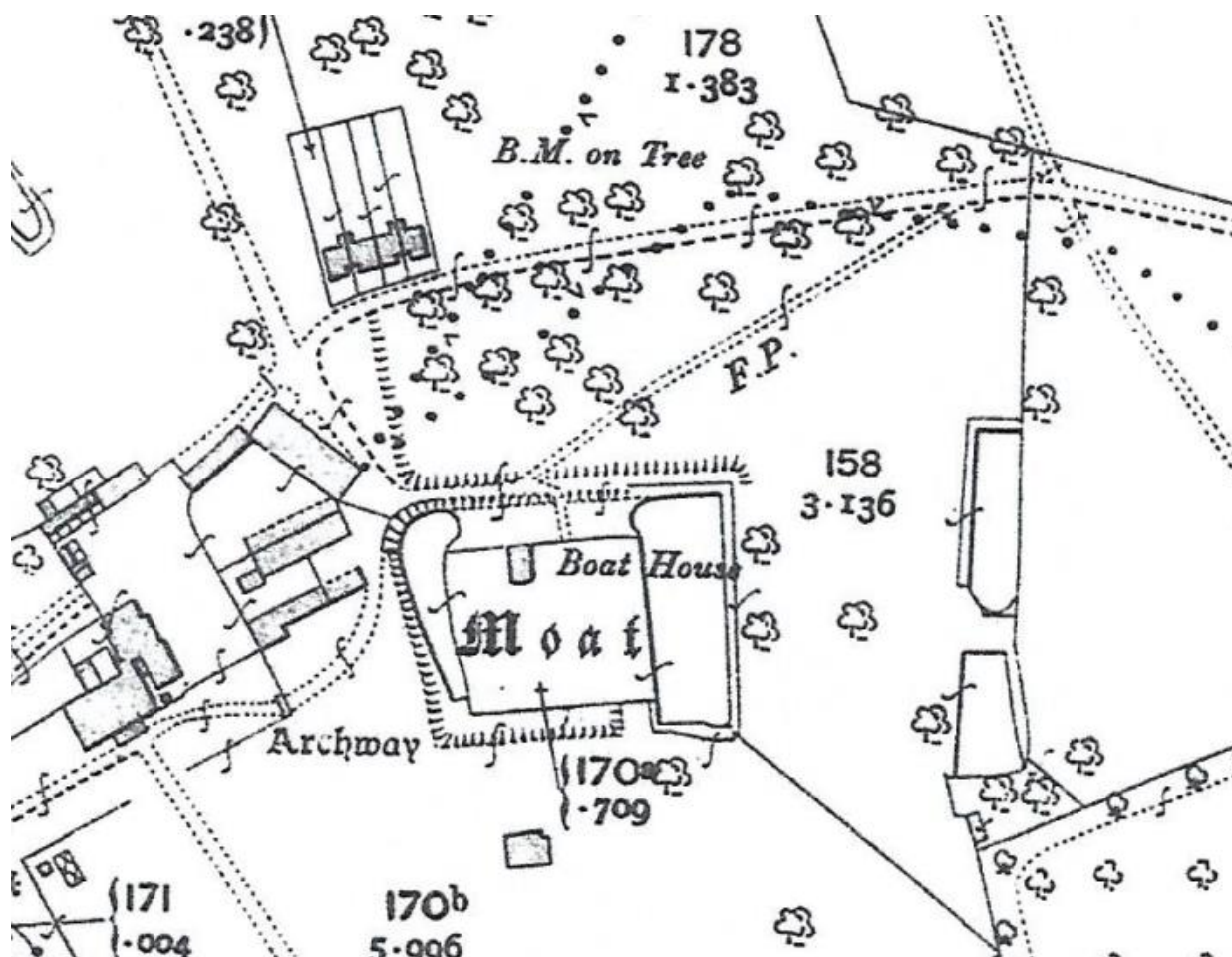


Figure 5: Ordnance Survey Map of 1909 25 inch to mile

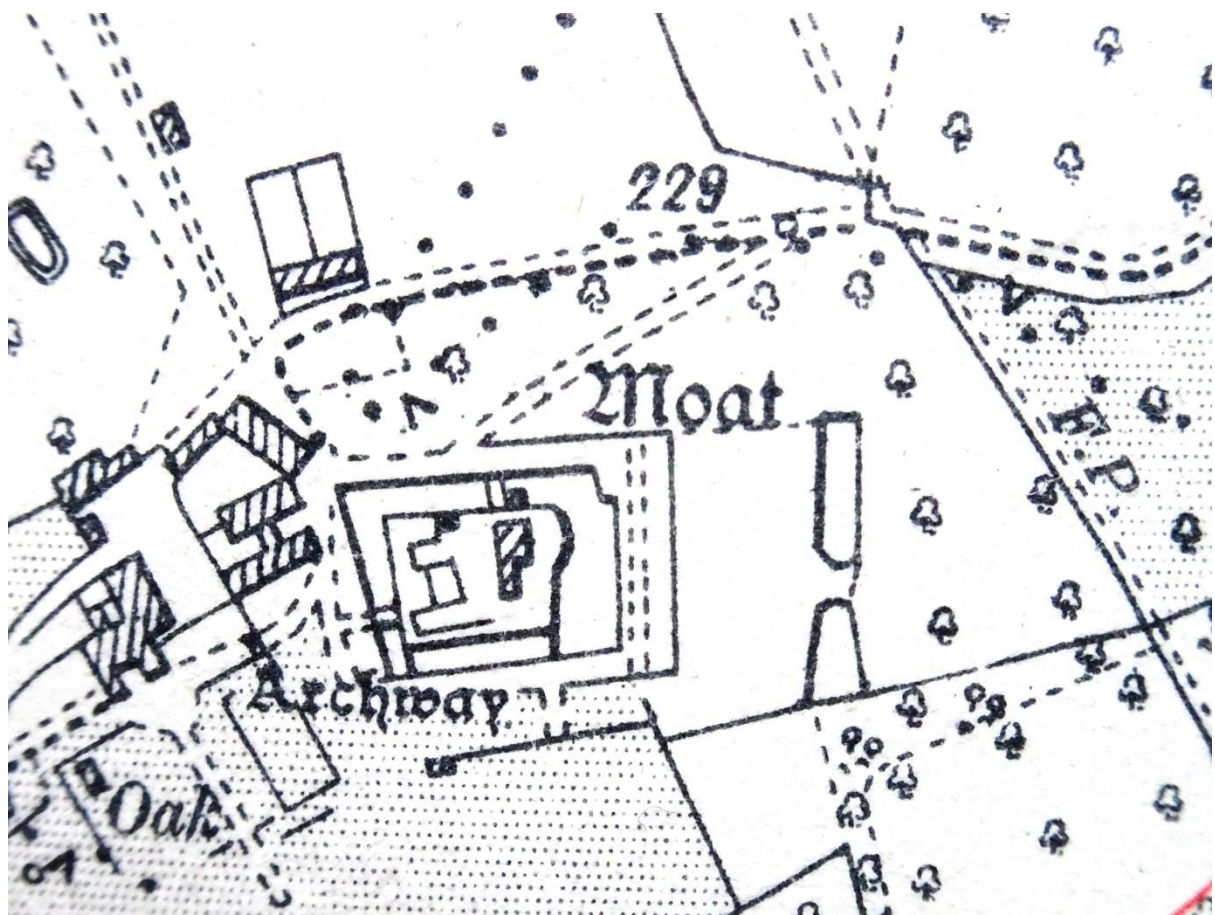


Figure 6: Ordnance Survey map of 1930 6 inch to mile

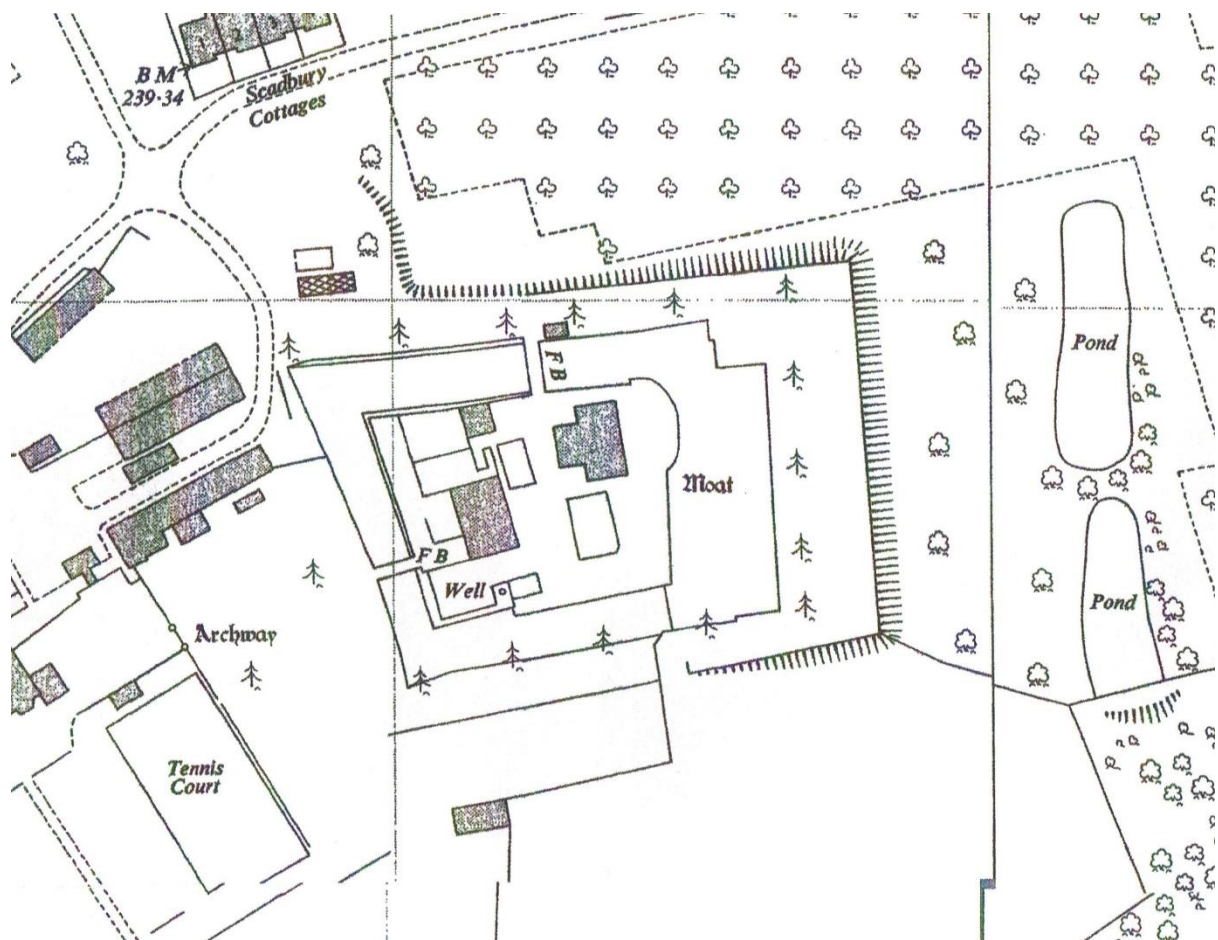


Figure 7: Ordnance Survey Map of 1960 50 inch to mile

# SCADBURY MOATED MANOR NEW FENCING 2021

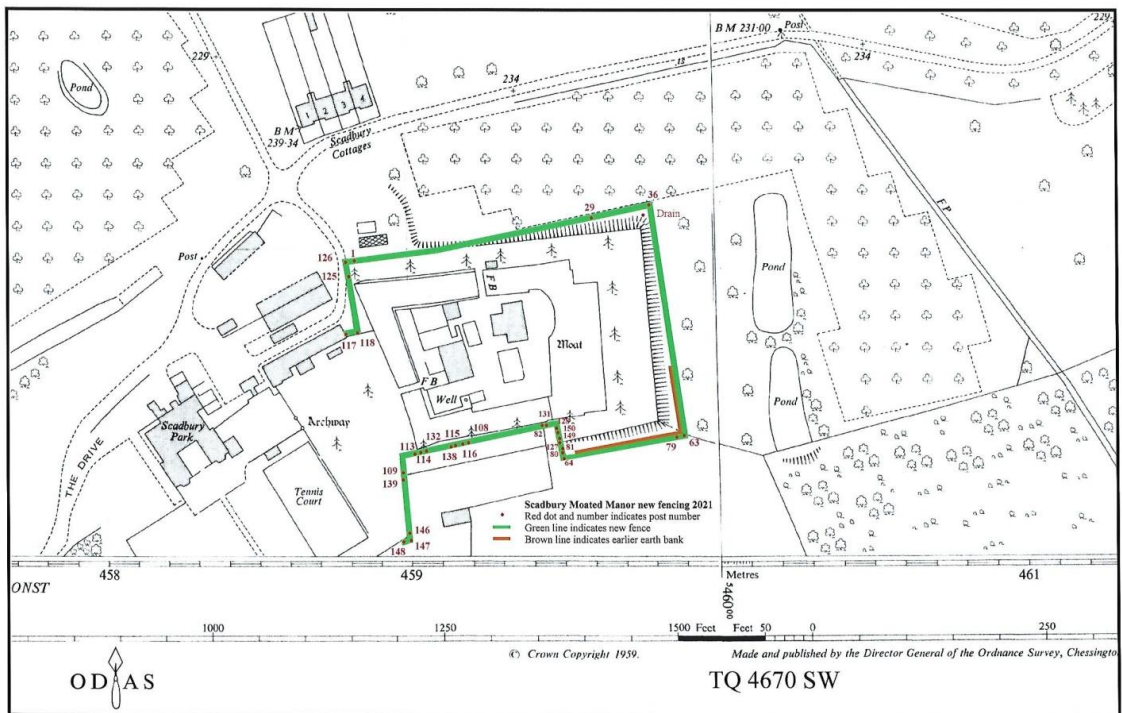


Figure 8 : Plan of New Fencing

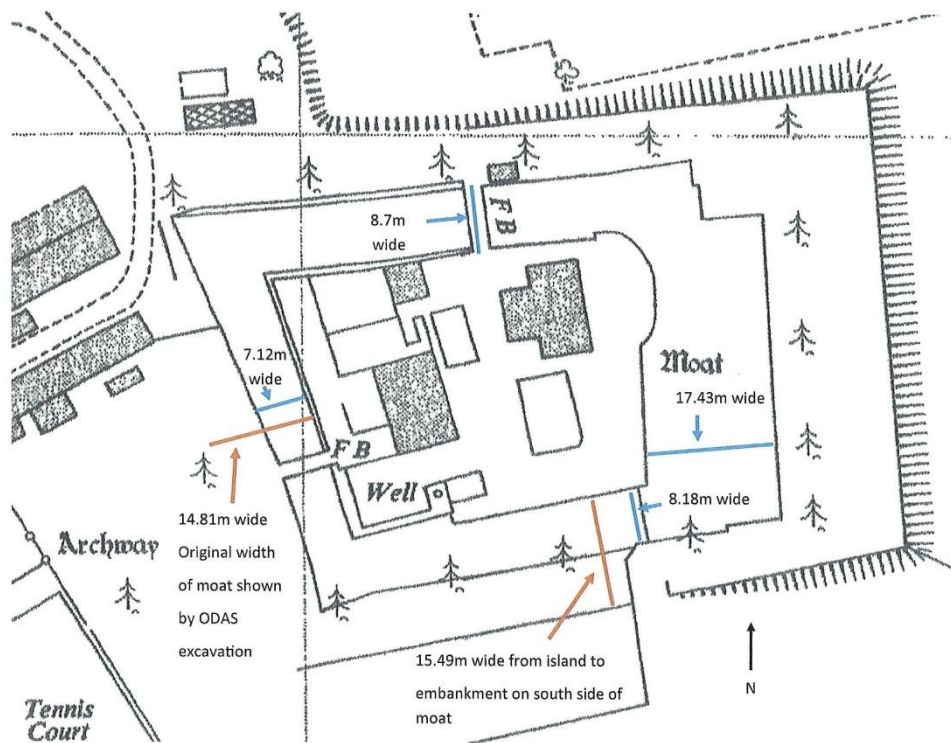


Figure 9: Plan showing current width of moat in blue and earlier width in orange.

# North Section

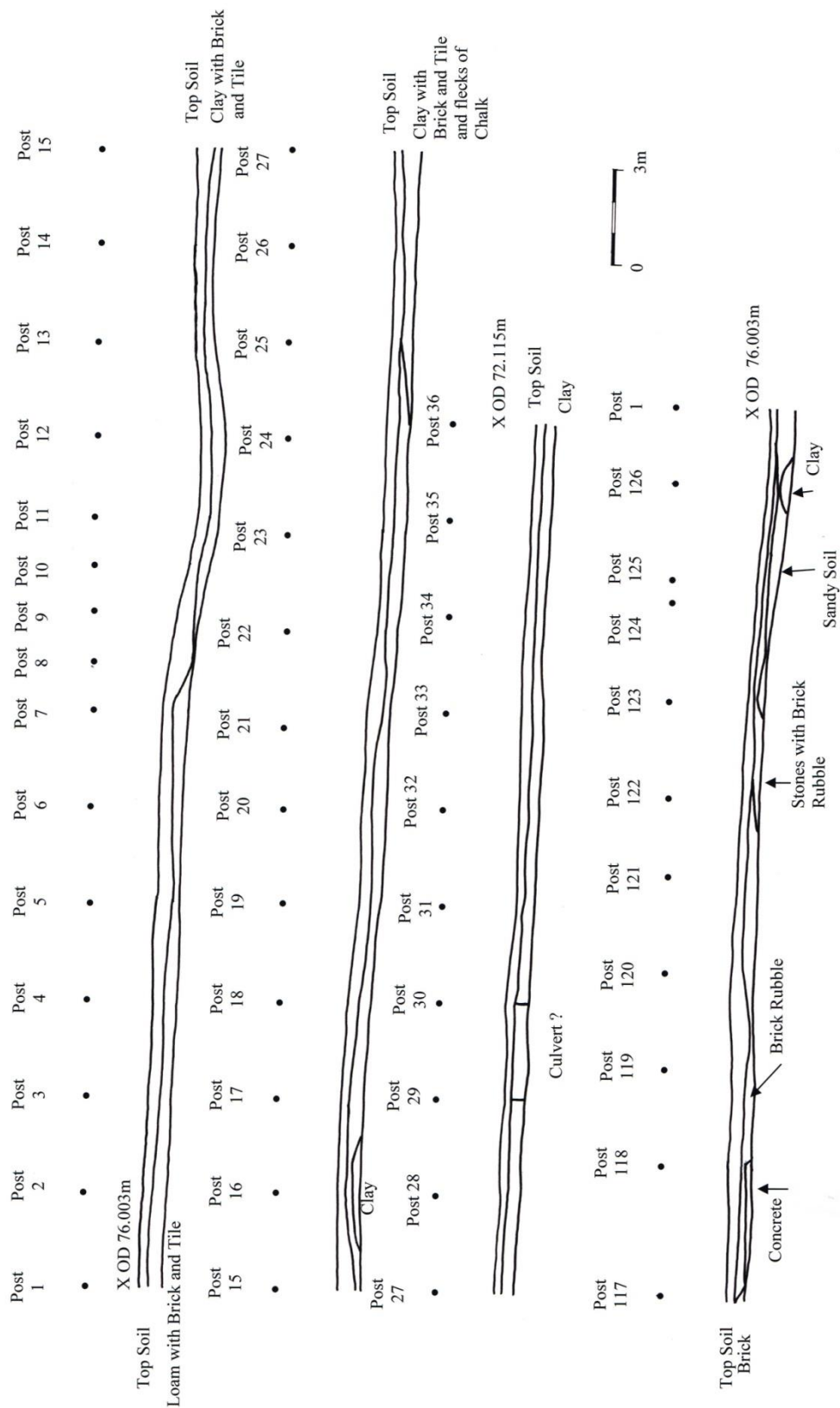


Figure 10: North Section

# East Section

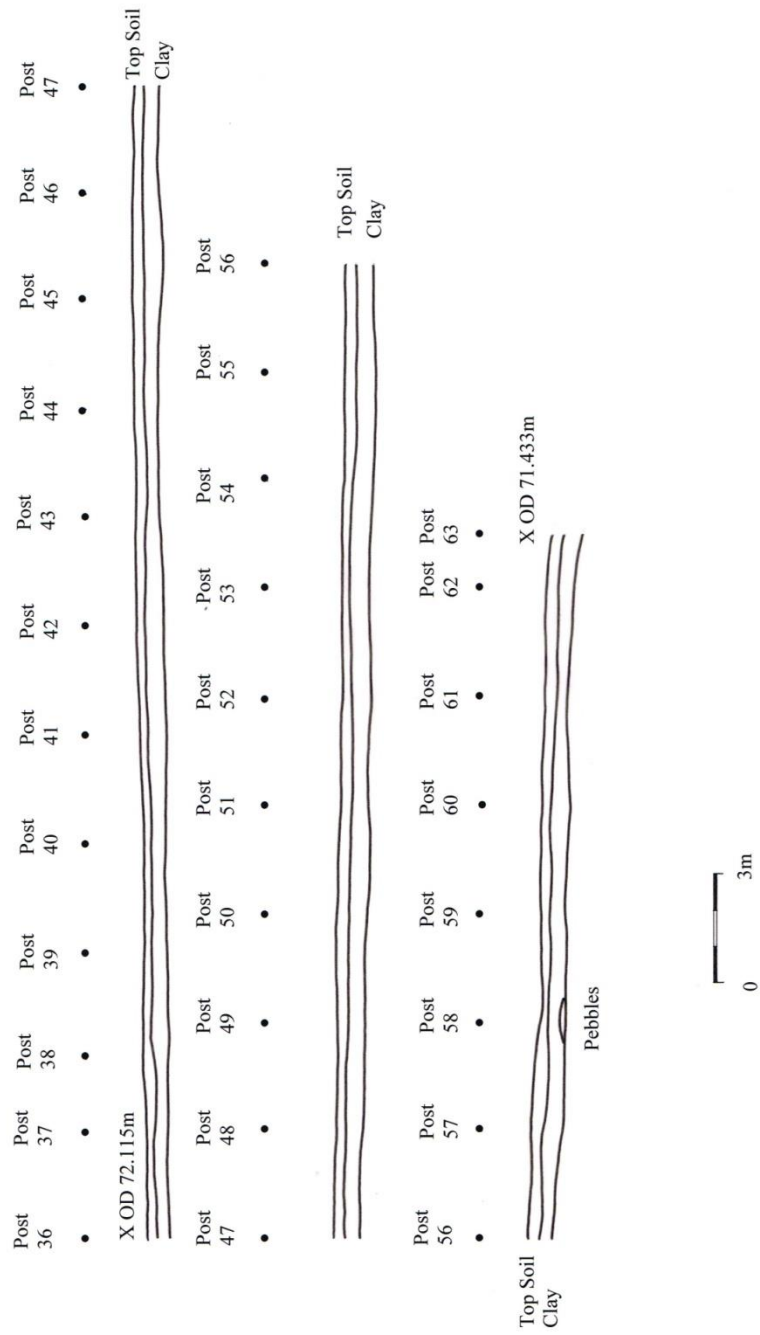


Figure 11: East Section

[illegible]

30

### **13. PROGRAMME OF ARCHAEOLOGICAL WORKS**

13.1 To undertake a programme of archaeological monitoring during the excavation of post holes for the new fencing and/or any works that would necessitate the disturbance of the ground. To submit a report on any findings.

### **14. CONTEXT NUMBERS**

14.1 Rather than giving context numbers for this piece of work we have given each post hole a number with the lower soil types letters eg 6A, 6B, 6C and so on. The numbers have been allocated as they were dug, due to the fencing staff preferring to work down slopes and the gates and some of the fencing not being delivered at the same time, so the fence panels were erected depending on the type of panel available.

North Side 1-36, 117-126

East Side 37-63

South Side 79-64, 80-81, 127, 149-150, 128-131, 82-108, 115-116, 138-132, 114-109, 139-148

## 15. FINDS

### 15.1 Analysis of Finds

#### 15.1.1 North Side

| North Side of Moat Post Number | Soil Colour Munsell Soil Colour Chart | Brick No of Pieces | Brick Weight (g) | Tile No of Pieces | Tile Weight (g) | Pottery No of Pieces | Pottery Weight (g) | Comments                                                                                                                                                                               |
|--------------------------------|---------------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1A                             | 7.5YR 3/2                             | 9                  | 379              |                   |                 |                      |                    | Brick with lime mortar, 1 paving slab modern 345g                                                                                                                                      |
| 2A                             | 10YR 2/1                              | 22                 | 275              | 12                | 419             | 1                    | 7                  | White glazed pottery Victorian, 2 pieces of chalk 36g, 2 pieces of brick with lime mortar 35g, 1 piece of Reigate stone? 78g                                                           |
| 2B                             | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                                                                                                                                                                        |
| 3A                             | 7.5YR 2.5/1                           | 27                 | 1071             | 8                 | 343             | 1                    | 8                  | Pot stoneware salt glazed, 1 piece of chalk 90g                                                                                                                                        |
| 4A                             | 7.5 2.5/1                             | 9                  | 2696             | 2                 | 109             |                      |                    | 1 large modern brick with big letter S stamped on it 912g, 5 pieces of red brick 1 with cement on it, 1 metal rod 625g , 1 piece of pink brick and 1 piece of yellow brick             |
| 4B                             | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                                                                                                                                                                        |
| 5A                             | 10YR 2/1                              | 24                 | 252              | 7                 | 155             | 4                    | 50                 | 4 pieces of Victorian pottery. Brick is different colours 2 pieces with lime mortar, 3 pieces of chalk 22g, 1 piece of flint 3g, 1 piece of metal 30g, 2 pieces of tile with peg holes |
| 5B                             | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                                                                                                                                                                        |
| 6A                             | 7.5YR 2.5/1                           | 33                 | 1013             | 6                 | 306             | 1                    | 12                 | 4 flint pebbles, 4 pieces of mortar, 2 pieces of yellow brick, 6 pieces of red brick with lime mortar, 5 pieces of mortar 55g, 2 pieces of glazed tile, 1 piece of flower pot          |
| 6B                             | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                                                                                                                                                                        |

|     |             |    |      |   |     |   |   |                                                                                                                                                                         |
|-----|-------------|----|------|---|-----|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6C  | 10YR 5/4    |    |      |   |     |   |   |                                                                                                                                                                         |
| 7A  | 10YR 4/2    |    |      |   |     |   |   |                                                                                                                                                                         |
| 7B  | 10YR 5/4    | 49 | 570  |   |     | 1 | 2 | 27 pieces of brick with lime mortar, 4 pieces of chalk 24g, 3 pieces of flint 47g 2 pieces of clinker 16g, 1 piece of flower pot modern, 1 piece of carved stone 2081g, |
| 7C  | 10YR 5/4    |    |      |   |     |   |   |                                                                                                                                                                         |
| 8A  | 10YR 3/1    | 8  | 2138 | 4 | 142 |   |   | 2 pieces of chalk 17g, 2 pieces of cement 202g, 4 pieces of brick with cement 848g                                                                                      |
| 8B  | 10YR 5/4    |    |      |   |     |   |   |                                                                                                                                                                         |
| 9A  | 10YR 2/1    | 8  | 78   | 1 | 39  | 1 | 1 | Blue and white pottery, 2 pieces of chalk 83g , 1 piece of brick with cement 33g                                                                                        |
| 9B  | 10YR 5/3    | 52 | 1355 | 7 | 280 |   |   | 18 pieces of brick with cement, 2 pieces of chalk 19g, 10 pieces of clinker 255g, 6 pieces of brick 685g and 2 pieces of tile 86g with lime mortar on them              |
| 9C  |             | 11 | 43   |   |     |   |   | 1 piece of Brick with cement 25g                                                                                                                                        |
| 10A | 10YR 2/1    | 7  | 252  |   |     | 1 |   | Glazed blue and white pottery rim                                                                                                                                       |
| 10B | 10YR 5/3    | 5  | 479  |   |     |   |   | 1 piece of Brick with lime mortar                                                                                                                                       |
| 11A | 7.5YR 2.5/1 | 5  | 8    |   |     |   |   | 1 piece of chalk 11g                                                                                                                                                    |
| 11B | 7.5YR 2.5/1 | 12 | 126  | 2 | 123 |   |   | One piece of tile with hole                                                                                                                                             |
| 12A | 10YR 5/3    | 20 | 66   |   |     |   |   |                                                                                                                                                                         |
| 12B |             | 1  | 7    |   |     |   |   |                                                                                                                                                                         |
| 13A | 10YR 5/3    |    |      |   |     |   |   |                                                                                                                                                                         |
| 13B |             | 4  | 7    | 1 | 11  |   |   |                                                                                                                                                                         |
| 14A | 10YR 5/2    |    |      |   |     |   |   |                                                                                                                                                                         |
| 14B | 10YR 5/4    | 2  | 10   |   |     |   |   | 1 piece of chalk 7g                                                                                                                                                     |
| 14C | 10YR 5/3    |    |      |   |     |   |   |                                                                                                                                                                         |
| 15A | 10YR 3/1    |    |      |   |     |   |   |                                                                                                                                                                         |
| 15B | 10YR 5/2    | 3  | 10   |   |     |   |   | 1 piece of chalk 1g                                                                                                                                                     |
| 15C | 10YR 6/4    |    |      |   |     |   |   |                                                                                                                                                                         |
| 16A | 7.5YR 2.5/1 | 20 | 140  | 1 | 23  |   |   | Bricks with lime mortar on them, 4 Pieces of mortar 174g, 1 piece of glazed tile on cement                                                                              |

|     |             |    |      |   |     |  |  |                                                                          |
|-----|-------------|----|------|---|-----|--|--|--------------------------------------------------------------------------|
| 16B | 10YR 5/6    | 9  | 846  | 3 | 166 |  |  | 5 pieces of mortar 144g, 1 piece of burnt flint 2g, 1 piece of flint 35g |
| 16C | 10YR 5/6    |    |      |   |     |  |  |                                                                          |
| 17A | 10YR 3/2    | 1  | 8    | 2 | 27  |  |  |                                                                          |
| 17B | 10YR 4/3    | 4  | 21   | 1 | 14  |  |  |                                                                          |
| 18A | 10YR 3/2    | 7  | 308  |   |     |  |  |                                                                          |
| 18B | 10YR 4/3    | 5  | 38   |   |     |  |  |                                                                          |
| 19A | 10YR 3/2    |    |      |   |     |  |  |                                                                          |
| 19B | 10YR 3/2    |    |      |   |     |  |  |                                                                          |
| 19C | 10YR 4/6    | 10 | 18   |   |     |  |  | 1 Piece of brick with cement 25g                                         |
| 19D | 10YR 4/3    |    |      |   |     |  |  |                                                                          |
| 20A | 10YR 3/2    | 3  | 1    |   |     |  |  | 1 piece of chalk 5g                                                      |
| 20B | 10YR 4/3    | 5  | 4    |   |     |  |  | 1 piece of iron                                                          |
| 21A | 10YR 3/2    | 2  | 108  |   |     |  |  | Brick different colours                                                  |
| 21B | 10YR 4/3    |    |      |   |     |  |  |                                                                          |
| 22A | 10YR 3/2    |    |      |   |     |  |  |                                                                          |
| 22B | 10YR 4/4    | 3  | 29   |   |     |  |  | 1 large flint 492g, 2 pieces of chalk 14g                                |
| 23A | 2.5Y 2.5/1  |    |      |   |     |  |  |                                                                          |
| 23B | 10YR 5/4    |    |      |   |     |  |  |                                                                          |
| 24A | 7.5YR 2.5/1 | 1  | 13   | 1 | 73  |  |  |                                                                          |
| 24B | 2.5Y 2.5/4  |    |      |   |     |  |  |                                                                          |
| 25A | 7.5YR 2.5/1 | 1  | 75   |   |     |  |  |                                                                          |
| 25B | 10YR 4/4    |    |      |   |     |  |  |                                                                          |
| 25C | 10YR 3/3    |    |      |   |     |  |  |                                                                          |
| 26A | 7.5YR 2.5/1 | 7  | 67   | 2 | 41  |  |  |                                                                          |
| 26B | 10YR 4/3    |    |      |   |     |  |  |                                                                          |
| 27A | 10YR 2/2    |    |      |   |     |  |  | 2 pieces of chalk 685g                                                   |
| 27B | 10YR 4/4    |    |      |   |     |  |  |                                                                          |
| 27C | 10YR 6/4    |    |      |   |     |  |  |                                                                          |
| 28A | 10YR 2/2    |    |      |   |     |  |  |                                                                          |
| 28B | 10YR 4/4    |    |      |   |     |  |  |                                                                          |
| 29A | 10YR 2/2    | 1  | 1100 |   |     |  |  | Pieces of brick with lime mortar. Possible Tudor brick culvert           |
| 29B | 10YR 4/1    |    |      |   |     |  |  |                                                                          |
| 29C | 10YR 6/4    |    |      |   |     |  |  |                                                                          |
| 30A | 10YR 2/2    | 25 | 103  |   |     |  |  | 4 pieces of chalk 33g                                                    |
| 30B | 10YR 5/6    | 3  | 7    |   |     |  |  |                                                                          |
| 31A | 10YR 4/3    |    |      |   |     |  |  |                                                                          |
| 31B | 10YR 5/6    |    |      |   |     |  |  |                                                                          |
| 32A | 10YR 2/2    |    |      |   |     |  |  |                                                                          |
| 32B | 10yr 5/6    |    |      |   |     |  |  |                                                                          |
| 33A | 10yr 2/1    |    |      |   |     |  |  |                                                                          |
| 33B | 10yr 5/4    |    |      |   |     |  |  |                                                                          |

|       |             |     |       |     |      |    |    |                                                                                                                               |
|-------|-------------|-----|-------|-----|------|----|----|-------------------------------------------------------------------------------------------------------------------------------|
| 34A   | 7.5YR 2.5/1 |     |       |     |      |    |    |                                                                                                                               |
| 34B   | 10YR 5/6    |     |       |     |      |    |    |                                                                                                                               |
| 35A   | 10YR 5/6    |     |       |     |      |    |    |                                                                                                                               |
| 35B   | 10YR 6/6    |     |       |     |      |    |    |                                                                                                                               |
| 36A   | 10YR 2/1    |     |       |     |      |    |    |                                                                                                                               |
| 36B   | 10YR 5/6    |     |       |     |      |    |    |                                                                                                                               |
|       |             |     |       |     |      |    |    |                                                                                                                               |
| 117A  | 7.5YR 3/3   | 26  | 2207  | 6   | 354  |    |    | Bricks with mortar, cement with pebbles 797g                                                                                  |
| 117B  | 10YR 5/4    |     |       |     |      |    |    |                                                                                                                               |
| 117C  | 10YR 5/4    |     |       |     |      |    |    |                                                                                                                               |
|       |             |     |       |     |      |    |    |                                                                                                                               |
| 118A  | 10YR 3/3    | 75  | 3438  | 30  | 882  |    |    | Some pieces of brick have mortar on them and contain stones, 26 pieces of concrete 2318g, 1 piece of chalk 3g, 2 curved tiles |
| 118B  | 7.5YR 4/4   |     |       |     |      |    |    |                                                                                                                               |
|       |             |     |       |     |      |    |    |                                                                                                                               |
| 119A  | 10YR 3/2    | 11  | 686   |     |      |    |    | 6 pieces of brick with mortar 571g, 1 piece of flint with lime mortar 392g                                                    |
| 119B  | 7YR 4/2     |     |       |     |      |    |    |                                                                                                                               |
| 120A  | 10YR 3/2    | 5   | 78    | 12  | 265  |    |    |                                                                                                                               |
| 120B  | 10YR 4/3    |     |       |     |      |    |    |                                                                                                                               |
| 121A  | 10YR 3/3    |     |       | 7   | 97   |    |    |                                                                                                                               |
| 121B  | 10YR 4/3    |     |       |     |      |    |    |                                                                                                                               |
| 122A  | 10YR 3/2    | 16  | 330   | 28  | 198  |    |    |                                                                                                                               |
| 122B  | 10YR 4/3    |     |       |     |      |    |    |                                                                                                                               |
|       |             |     |       |     |      |    |    |                                                                                                                               |
| 123A  | 10YR 3/3    |     |       |     |      | 1  | 14 | 1 pieces of brown pottery with green glaze                                                                                    |
| 123B  | 10YR 4/6    | 16  | 312   | 31  | 1036 |    |    | 1 piece of clinker 16g, 1 piece of mortar 27g                                                                                 |
| 123C  | 10YR 5/6    |     |       |     |      |    |    |                                                                                                                               |
| 124A  | 10YR 2/2    | 15  | 158   | 1   | 12   |    |    |                                                                                                                               |
| 124B  | 7.5YR 3/3   |     |       |     |      |    |    |                                                                                                                               |
| 124C  | 10YR 5/6    |     |       |     |      |    |    |                                                                                                                               |
| 125A  | 10YR 2/2    |     |       |     |      |    |    |                                                                                                                               |
|       |             |     |       |     |      |    |    |                                                                                                                               |
| 125B  | 10YR 3/3    | 11  | 130   | 5   | 35   |    |    | 1 piece of brick with mortar 9g, 1 piece of oyster shell                                                                      |
| 125C  | 10YR 6/6    |     |       |     |      |    |    |                                                                                                                               |
| 126A  | 10YR 2/1    |     |       |     |      |    |    |                                                                                                                               |
| 126B  | 10YR 2/2    |     |       |     |      |    |    |                                                                                                                               |
| 126C  | 10YR 3/3    |     |       |     |      |    |    |                                                                                                                               |
|       |             |     |       |     |      |    |    |                                                                                                                               |
| Total |             | 593 | 21060 | 180 | 5150 | 10 | 94 |                                                                                                                               |

### 15.1.2 East Side

| East Side of Moat Post Number | Soil Colour Munsell Soil Colour Chart | Brick No of Pieces | Brick Weight (g) | Tile No of Pieces | Tile Weight (g) | Pottery No of Pieces | Pottery Weight (g) | Comments                                                                   |
|-------------------------------|---------------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------------|----------------------------------------------------------------------------|
|                               |                                       |                    |                  |                   |                 |                      |                    |                                                                            |
| 37A                           | 10YR2/1                               |                    |                  |                   |                 |                      |                    |                                                                            |
| 37B                           | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 38A                           | 10YR 2/1                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 38B                           | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 39A                           | 7.5YR 2.5/1                           | 2                  | 414              |                   |                 |                      |                    |                                                                            |
| 39B                           | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 40A                           | 2.5Y 2.5/1                            |                    |                  |                   |                 |                      |                    |                                                                            |
| 40B                           | 2.5Y 5/3                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 41A                           | 10YR 3/1                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 41B                           | 10YR 5/6                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 42A                           | 10YR 2/1                              | 62                 | 344              | 2                 | 55              |                      |                    | Cement on 24 pieces of brick 220g and on 2 tiles 55g, 2 pieces of chalk 3g |
| 42B                           | 10YR 5/6                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 43A                           | 10YR 3/2                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 43B                           | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 44A                           | 10YR 3/2                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 44B                           | 10YR 6/6                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 45A                           | 7.5YR 2.5/1                           |                    |                  |                   |                 |                      |                    |                                                                            |
| 45B                           | 10YR 5/6                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 46A                           | 7.5YR 3/1                             |                    |                  |                   |                 |                      |                    |                                                                            |
| 46B                           | 10YR 5/6                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 47A                           | 2.5Y 2.5/1                            |                    |                  |                   |                 |                      |                    |                                                                            |
| 47B                           | 10YR 6/8                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 48A                           | 10YR 2/1                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 48B                           | 10YR 6/6                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 49A                           | 10YR 2/1                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 49B                           | 10YR 7/6                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 50A                           | 10YR 2/1                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 50B                           | 10YR 7/8                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 51A                           | 10YR 2/1                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 51B                           | 10YR 5/3                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 52A                           | 10YR 2/1                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 52B                           | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 53A                           | 10YR 2/1                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 53B                           | 10YR 5/5                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 54A                           | 10YR 2/1                              |                    |                  |                   |                 |                      |                    |                                                                            |
| 54B                           | 10YR 5/6                              |                    |                  |                   |                 |                      |                    |                                                                            |

|       |           |    |      |   |    |   |   |                      |
|-------|-----------|----|------|---|----|---|---|----------------------|
| 55A   | 10YR 4/1  |    |      |   |    |   |   |                      |
| 55B   | 10YR 5/6  |    |      |   |    |   |   |                      |
| 56A   | 10YR 4/2  | 3  | 82   |   |    |   |   |                      |
| 56B   | 10YR 5/6  |    |      |   |    |   |   |                      |
| 57A   | 10YR 2/1  |    |      |   |    |   |   |                      |
| 57B   | 10YR 5/4  |    |      |   |    |   |   |                      |
| 58A   | 10YR 3/2  |    |      |   |    |   |   |                      |
| 58B   | 10YR 4/2  |    |      |   |    |   |   |                      |
| 58C   | 10YR 4/2  |    |      |   |    |   |   |                      |
| 59A   | 10YR 3/2  | 3  | 102  | 1 | 23 |   |   | 1 piece of mortar 4g |
| 59B   | 10YR 6/8  |    |      |   |    |   |   |                      |
| 60A   | 10YR 4/2  |    |      |   |    |   |   |                      |
| 60B   | 10YR 5/6  |    |      |   |    |   |   |                      |
| 60C   | 10YR 5/6  |    |      |   |    |   |   |                      |
| 61A   | 10YR 3/1  |    |      |   |    |   |   |                      |
| 61B   | 10YR 6/8  |    |      |   |    |   |   |                      |
| 62A   | 7.5YR 3/1 | 17 | 74   |   |    |   |   | 1 piece of chalk 2g  |
| 62B   | 10YR 6/8  |    |      |   |    |   |   |                      |
| 63A   | 10YR 2/1  | 2  | 38   |   |    |   |   |                      |
| 63B   | 10YR 4.4  |    |      |   |    |   |   |                      |
|       |           |    |      |   |    |   |   |                      |
| Total |           | 89 | 1054 | 3 | 78 | 0 | 0 |                      |

### 15.1.3 South Side

| South Side of Moat Post Number | Soil Colour Munsell Soil Colour Chart | Brick No of Pieces | Brick Weight (g) | Tile No of Pieces | Tile Weight (g) | Pottery No of Pieces | Pottery Weight (g) | Comments                             |
|--------------------------------|---------------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------------|--------------------------------------|
|                                |                                       |                    |                  |                   |                 |                      |                    |                                      |
| 79A                            | 10YR 2/1                              |                    |                  |                   |                 |                      |                    |                                      |
| 79B                            | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                      |
| 78A                            | 10YR 3/1                              | 1                  | 63               |                   |                 |                      |                    |                                      |
| 78B                            | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                      |
| 77A                            | 10YR 4/2                              |                    |                  |                   |                 |                      |                    |                                      |
| 77B                            | 10YR 5/8                              |                    |                  |                   |                 |                      |                    |                                      |
| 76A                            | 10YR 3/2                              | 1                  | 92               |                   |                 |                      |                    | Brick with mortar, metal pulley 816g |
| 76B                            | 10YR 4/3                              |                    |                  |                   |                 |                      |                    |                                      |
| 76C                            | 10YR 6/8                              |                    |                  |                   |                 |                      |                    |                                      |
| 75A                            | 7.5YR 3/2                             | 2                  | 428              | 1                 | 105             |                      |                    | Tile with hole                       |
| 75B                            | 10YR 5/4                              |                    |                  |                   |                 |                      |                    |                                      |
| 74A                            | 10YR 3/2                              |                    |                  |                   |                 |                      |                    |                                      |
| 74B                            | 10YR 4/2                              |                    |                  |                   |                 |                      |                    |                                      |

|      |             |    |      |    |     |   |    |                                                                         |
|------|-------------|----|------|----|-----|---|----|-------------------------------------------------------------------------|
| 74C  | 10YR 6/6    |    |      |    |     |   |    |                                                                         |
| 73A  | 10YR 2/1    | 1  | 1317 |    |     |   |    | Brick with mortar                                                       |
| 73B  | 10YR 5/4    |    |      |    |     |   |    |                                                                         |
| 72A  | 10YR 3/2    | 3  | 105  |    |     |   |    |                                                                         |
| 72B  | 10YR 4/3    | 1  | 110  |    |     |   |    | 2 pieces of clinker<br>2g                                               |
| 71A  | 10YR 3/1    | 1  | 15   |    |     |   |    |                                                                         |
| 71B  | 10YR 5/4    | 6  | 82   |    |     |   |    |                                                                         |
| 70A  | 10YR 3/1    |    |      |    |     |   |    |                                                                         |
| 70B  | 10YR 5/4    |    |      |    |     |   |    |                                                                         |
| 69A  | 10YR 4/1    | 2  | 22   | 1  | 10  |   |    | 1 flint 590g, 1 piece<br>of carved stone<br>942g                        |
| 69B  | 10YR 4/6    |    |      | 1  | 27  |   |    |                                                                         |
| 68A  | 10YR 3/1    |    |      |    |     |   |    |                                                                         |
| 68B  | 10YR 4/3    |    |      |    |     |   |    |                                                                         |
| 67A  | 10YR 4/1    | 1  | 58   |    |     |   |    | Brick with mortar                                                       |
| 67A  |             |    |      | 1  | 40  |   |    | Tile with cement                                                        |
| 67B  | 10YR 5/4    | 12 | 129  | 4  | 94  |   |    | 1 fragment of shell<br>3g                                               |
| 66A  | 10YR 3/1    | 3  | 362  |    |     |   |    |                                                                         |
| 66A  |             | 1  | 358  |    |     |   |    | Brick with cement                                                       |
| 66B  | 10YR 4/2    | 1  | 14   | 2  | 107 |   |    |                                                                         |
| 65A  | 10YR 3/1    | 2  | 31   | 1` | 33  |   |    | Brick with mortar,<br>tile with round<br>hole, 2 pieces of<br>chalk 98g |
| 65B  | 10YR 3/1    |    |      |    |     |   |    |                                                                         |
| 64A  | 7.5YR 2.5/1 | 1  | 30   | 3  | 41  |   |    | 1 piece of chalk 16g                                                    |
| 64B  | 10YR 4/2    |    |      |    |     |   |    |                                                                         |
| 80A  | 10YR 3/2    | 12 | 229  | 3  | 86  | 1 | 10 | Glazed pot<br>earthenware, 3<br>pieces of black<br>charcoal 14g         |
| 80B  | 10YR 5/6    | 5  | 9    | 1  | 78  |   |    | 1 piece of clinker<br>4g, 1 bone 17g                                    |
| 81A  | 10YR 2/1    |    |      |    |     |   |    |                                                                         |
| 81B  | 10YR 4/1    |    |      |    |     |   |    |                                                                         |
| 81C  | 10YR 5/3    | 16 | 20   | 1  | 25  |   |    |                                                                         |
| 127A | 10YR 2.1    |    |      |    |     |   |    | 1 large piece of<br>concrete 1570g                                      |
| 127B | 10YR 3/2    |    |      |    |     | 4 | 27 | 4 pieces of white<br>glazed pottery, 1<br>lump of stone<br>worked 1558g |
| 127C | 10YR 4/2    |    |      |    |     |   |    |                                                                         |
| 149A | 10YR 2/1    |    |      |    |     |   |    |                                                                         |
| 149B | 10YR 4/3    | 6  | 1460 |    |     |   |    | 3 pieces of cement<br>1203g                                             |
| 149C | 10YR 6/8    |    |      |    |     |   |    |                                                                         |
| 150A | 10YR 2/1    |    |      |    |     |   |    |                                                                         |

|      |           |    |     |   |     |   |    |                                                                                                  |
|------|-----------|----|-----|---|-----|---|----|--------------------------------------------------------------------------------------------------|
| 150B | 10YR 6/8  | 2  | 234 | 1 | 76  |   |    |                                                                                                  |
| 150C | 10YR 3/1  |    |     |   |     |   |    |                                                                                                  |
| 128A | 10YR 2/1  |    |     | 1 | 378 |   |    |                                                                                                  |
| 128B | 10YR 4/2  | 2  | 61  |   |     | 1 | 99 | 2 pieces of brown stoneware pottery, 1 piece of concrete                                         |
| 129A | 10YR 2/1  | 1  | 54  | 2 | 68  |   |    |                                                                                                  |
| 129B | 10YR 4/2  | 3  | 73  | 1 | 35  |   |    | 1 piece of chalk 43g                                                                             |
| 130A | 10YR 2/1  | 1  | 619 | 2 | 24  |   |    | 1 piece of mortar 11g                                                                            |
| 130B | 10YR 4/2  | 18 | 34  |   |     |   |    | 3 pieces of chalk 63g, 1 piece of cement 8g, 3 pieces of flint 1047g, 1 piece of concrete 363g   |
| 130B |           | 7  | 68  | 1 | 38  |   |    |                                                                                                  |
| 131A | 10YR 2/1  | 9  | 249 | 2 | 169 |   |    | 1 piece of brick with mortar 43g, 1 piece of tile with mortar 60g, 2 pieces of cement/mortar 25g |
| 131B | 10YR 4/2  | 18 | 202 | 2 | 99  |   |    | 1 piece of mortar 10g                                                                            |
| 82A  | 10YR 2/1  |    |     |   |     |   |    |                                                                                                  |
| 82B  | 10YR4/2   |    |     |   |     |   |    |                                                                                                  |
| 83A  | 10YR 2/1  | 8  | 7   |   |     |   |    |                                                                                                  |
| 84A  | 10YR 2/1  |    |     |   |     |   |    |                                                                                                  |
| 84B  | 10YR 4/2  |    |     |   |     |   |    |                                                                                                  |
| 85A  | 10YR 3/1  |    |     |   |     |   |    |                                                                                                  |
| 86A  | 7.5YR 3/1 |    |     |   |     |   |    |                                                                                                  |
| 86B  | 10YR 5/6  |    |     |   |     |   |    |                                                                                                  |
| 87A  | 10YR 2/1  |    |     |   |     |   |    |                                                                                                  |
| 88A  | 10YR 3/1  |    |     |   |     |   |    |                                                                                                  |
| 88B  | 10YR 6/6  |    |     |   |     |   |    |                                                                                                  |
| 89A  | 7.5YR 3/1 | 4  | 40  |   |     |   |    |                                                                                                  |
| 90A  | 10YR 3/1  | 7  | 451 |   |     |   |    | Brick with mortar                                                                                |
| 90B  | 10YR 6/8  |    |     |   |     |   |    |                                                                                                  |
| 91A  | 10YR 3/1  | 11 | 21  | 1 | 34  |   |    | Brick and Mortar with cement, 1 piece of cement 3g, 2 pieces of chalk 2g                         |
| 92A  | 7.5YR 3/1 | 30 | 351 | 1 | 143 | 1 | 26 | 4 pieces of brick with mortar 153g, 1 piece of white glazed pot Victorian                        |
| 92B  | 10YR 5/6  |    |     |   |     |   |    |                                                                                                  |
| 93A  | 10YR 3/1  | 3  | 23  | 3 | 63  |   |    |                                                                                                  |
| 94A  | 10YR 3/1  | 5  | 262 | 1 | 169 |   |    | 1 piece of tile with mortar 169g                                                                 |

|      |             |    |     |   |     |   |    |                                                                                                         |
|------|-------------|----|-----|---|-----|---|----|---------------------------------------------------------------------------------------------------------|
|      |             |    |     |   |     |   |    | 5 pieces of tile with mortar 196g, 1 piece of clinker 24g, 1 piece of mortar                            |
| 94B  | 10YR 6/8    | 20 | 404 | 7 | 229 |   |    |                                                                                                         |
| 95A  | 7.5YR 2.5/1 | 9  | 55  |   |     |   |    | 1 piece of chalk 1g                                                                                     |
| 95B  | 10YR 3/2    | 4  | 463 |   |     |   |    | 3 pieces of brick with mortar 366g, 1 piece of brick with concrete 97g, 5 pieces of cement 488g         |
| 96A  | 7.5YR 2.5/1 | 2  | 62  |   |     |   |    |                                                                                                         |
| 96B  | 10YR 5/6    | 9  | 26  |   |     |   |    | 1 piece of chalk 10g                                                                                    |
| 97A  | 10YR 3/1    |    |     |   |     |   |    |                                                                                                         |
| 97B  | 10YR 6/8    |    |     |   |     |   |    |                                                                                                         |
| 97C  |             | 4  | 2   |   |     |   |    |                                                                                                         |
| 98A  | 7.5YR 2.5/1 |    |     |   |     |   |    |                                                                                                         |
| 98B  | 10YR 5/6    |    |     | 3 | 74  |   |    |                                                                                                         |
| 98C  |             | 1  | 478 |   |     |   |    | Brick with mortar, 2 pieces chalk 19g                                                                   |
| 99A  | 10YR 3/1    |    |     |   |     |   |    |                                                                                                         |
| 99B  | 10YR 5/4    |    |     |   |     |   |    |                                                                                                         |
| 100A | 7.5YR 2.5/1 |    |     |   |     |   |    |                                                                                                         |
| 100B | 10YR 6/8    |    |     |   |     |   |    |                                                                                                         |
| 100C |             | 2  | 7   | 2 | 56  |   |    | 1 piece of brick with mortar                                                                            |
| 101A | 10YR 2/1    |    |     |   |     |   |    |                                                                                                         |
| 101B | 10YR 5/3    |    |     |   |     |   |    |                                                                                                         |
| 101C |             | 4  | 143 |   |     |   |    | 3 pieces of mortar 3g                                                                                   |
| 102A | 7.5YR 3/1   |    |     |   |     |   |    |                                                                                                         |
| 102B | 10YR 5/1    |    |     |   |     |   |    |                                                                                                         |
| 102C |             | 6  | 50  |   |     |   |    | 2 pieces of wood 65g                                                                                    |
| 103A | 7.5YR 2.5/1 | 3  | 444 | 2 | 150 |   |    | 1 piece of chalk 4g, 3 pieces of clinker 215g                                                           |
| 103A |             |    |     |   |     | 1 | 19 | Cream glazed pot                                                                                        |
| 104A | 7.5YR 2.5/1 | 24 | 509 | 1 | 110 |   |    | 3 pieces of clinker 26g                                                                                 |
| 104B | 10YR 6/8    | 9  | 574 | 7 | 335 |   |    | 4 pieces of brick with mortar 487g, 1 piece of tile with circular hole, 1 nail 123g                     |
| 105A | 7.5YR 2.5/1 | 5  | 191 |   |     |   |    | 2 pieces of clinker 9g                                                                                  |
| 106A | 7.5YR 2.5/1 | 33 | 830 | 7 | 213 |   |    | 1 piece of brick with mortar 600g, 1 flint stone 871g, 10 pieces of clinker 53g, 2 pieces of mortar 37g |

|      |              |    |      |   |       |   |    |                                                                                                                                   |
|------|--------------|----|------|---|-------|---|----|-----------------------------------------------------------------------------------------------------------------------------------|
| 106B | 10YR 6/8     | 1  | 423  | 6 | 128   | 2 | 24 | 5 pieces of brick with mortar 36g, 1 piece of mortar 9g                                                                           |
| 107  | Root of Tree |    |      |   |       |   |    |                                                                                                                                   |
| 108A | 7.5YR 2.5/1  | 7  | 66   |   |       |   |    | 1 piece of flint 306g, 2 pieces of chalk 43g, 4 pieces of clinker 127g                                                            |
| 108B | 10YR 4/1     |    |      |   |       |   |    |                                                                                                                                   |
| 116A | 7.5YR 2.5/1  |    |      |   |       |   |    |                                                                                                                                   |
| 115A | 7.5YR 2.5/1  | 2  | 985  |   |       |   |    | Brick with mortar                                                                                                                 |
| 115B | 10YR 6/8     |    |      |   |       |   |    |                                                                                                                                   |
| 138A | 7.5YR 2.5/2  |    |      |   |       |   |    |                                                                                                                                   |
| 137A | 7.5YR 2.5/2  | 15 | 1570 |   |       |   |    | 3 pieces of brick with cement 346g, 1 piece of clinker 42g                                                                        |
| 136A | 7.5YR 2.5/1  | 7  | 76   |   |       |   |    | 3 pieces of clinker 75g                                                                                                           |
| 136B | 10YR 5/4     | 16 | 917  |   |       |   |    | 6 pieces of brick with mortar 658g, 1 piece of burnt brick 658g, 1 piece of mortar 4g                                             |
| 135A | 7.5YR 2.5/1  | 7  | 76   |   |       |   |    | 4 pieces of brick with mortar 19g                                                                                                 |
| 135B | 10YR 5/2     | 3  | 199  | 2 | 16    |   |    | All with mortar, 1 piece of chalk 5g                                                                                              |
| 135C | 10YR 5/3     | 13 | 1063 |   |       |   |    | 4 pieces of brick with mortar 63g, 1 piece of mortar 8g                                                                           |
| 134A | 10YR 3/2     |    |      |   |       | 3 | 12 | White glazed pottery                                                                                                              |
| 134B | 10YR 4/2     | 7  | 267  | 1 | 71    |   |    |                                                                                                                                   |
| 134C | 10YR 7/3     | 10 | 102  | 1 | 31    |   |    | Brick and tile with mortar                                                                                                        |
| 133A | 7.5YR 3/1    |    |      |   |       |   |    |                                                                                                                                   |
| 133B | 10YR 3/2     | 20 | 159  | 1 | 31    |   |    | 16 pieces of brick with mortar 126g, and 1 piece of tile with mortar 31g, 3 pieces of chalk 13g                                   |
| 132A | 7.5YR 2.5/1  |    |      |   |       |   |    |                                                                                                                                   |
| 132B | 10YR 3/2     | 4  | 56   | 5 | 212g  |   |    | 5 pieces of tile with mortar 212g                                                                                                 |
| 114A | 10YR 2/2     |    |      | 2 | 109   |   |    |                                                                                                                                   |
| 114B | 10YR 4/2     |    |      |   |       |   |    |                                                                                                                                   |
| 113A | 10YR 3/1     |    |      |   |       |   |    |                                                                                                                                   |
| 113B | 10YR 5/8     |    |      |   |       |   |    | Tudor brick wall                                                                                                                  |
| 112A | 7.5YR 3/2    | 9  | 1045 | 5 | 11831 |   |    | 3 pieces of brick with mortar 540g, 1 piece of tile with mortar 39g, 1 piece of clinker 15g, 2 pieces of burnt brick 1 with glaze |

|      |             |    |      |    |     |   |   |                                                                                                                                                                                                                               |
|------|-------------|----|------|----|-----|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 112B | 10YR 4/3    | 3  | 53   | 19 | 579 |   |   | 8 pieces of tile with mortar 303g, 3 pieces of clinker 23g, 1 piece of chalk 3g                                                                                                                                               |
| 111A | 10YR 2/2    | 6  | 2892 |    |     |   |   | 1 piece of brick with mortar 311g, 1 snail fossil 1g, 4 pieces of clinker 64g, 2 pieces of mortar 50g, 1 piece of burnt brick 444g                                                                                            |
| 111B | 2.5YR 4/2   |    |      |    |     |   |   |                                                                                                                                                                                                                               |
| 111C | 10YR 7/2    |    |      |    |     |   |   |                                                                                                                                                                                                                               |
| 110A | 5YR 3/2     | 64 | 6849 | 1  | 10  |   |   | Includes 14 pieces of brick with mortar 1859g, 9 pieces of burnt brick with lime mortar 1454g, a large number of pieces of brick wall weighing 1355g, 3 pieces of clinker 45g, 3 pieces of mortar 23g, 3 pieces of stone 112g |
| 110B | 2.5YR 2.5/2 |    |      |    |     |   |   |                                                                                                                                                                                                                               |
| 110C | 10YR 6/4    |    |      |    |     |   |   |                                                                                                                                                                                                                               |
| 109A | 7.5YR 2.5/1 | 3  | 244  | 2  | 24  |   |   | 2 pebble fragments 8g                                                                                                                                                                                                         |
| 109B | 7.5YR 3/2   | 1  | 39   |    |     |   |   | Brick with mortar                                                                                                                                                                                                             |
| 109C | 10YR 6/4    |    |      |    |     |   |   |                                                                                                                                                                                                                               |
| 139A | 10YR 2/2    | 1  | 9    | 8  | 250 |   |   | Includes 3 pieces of tile with mortar 102g                                                                                                                                                                                    |
| 139B | 10YR 5/3    | 6  | 48   | 2  | 16  |   |   |                                                                                                                                                                                                                               |
| 139C | 10YR 6/4    |    |      |    |     |   |   |                                                                                                                                                                                                                               |
| 140A | 10YR 2/2    | 7  | 78   | 6  | 56  | 1 | 6 | 2 pieces of tile with mortar 118g, 1 piece of white pottery 6g, 1 piece of chalk 3g, 1 piece of animal bone rib 3g                                                                                                            |
| 140B | 10YR 4/3    |    |      |    |     |   |   | 10 pieces of oyster shell 36g 1 Piece of animal bone rib 3g                                                                                                                                                                   |
| 140C | 10YR 5/3    |    |      |    |     |   |   | 8 pieces of mussel shell 2g                                                                                                                                                                                                   |
| 141A | 10YR 2/2    |    |      |    |     |   |   |                                                                                                                                                                                                                               |
| 141B | 10YR 5/4    | 35 | 4289 |    |     |   |   | Brick with mortar, and 10 pieces of brick without mortar 172g, 1 piece of mortar 102g                                                                                                                                         |
| 141C | 10YR 6/8    |    |      |    |     |   |   |                                                                                                                                                                                                                               |

|       |          |     |       |     |       |    |     |                                                                         |
|-------|----------|-----|-------|-----|-------|----|-----|-------------------------------------------------------------------------|
| 142A  | 10YR 2/2 | 1   | 15    | 3   | 112   |    |     | 1 piece of mortar<br>24g, 1 piece of<br>oyster shell 7g                 |
| 142B  | 10YR 5/6 | 3   | 15    | 2   | 68    |    |     | 1 piece of chalk<br>18g, 3 pieces of<br>cement/mortar<br>161g           |
| 143A  | 10YR 2/2 | 2   | 3     |     |       |    |     | 1 piece of clinker<br>9g                                                |
| 143B  | 10YR 4/6 | 9   | 171   |     |       |    |     |                                                                         |
| 143C  | 10YR 4/3 |     |       |     |       |    |     |                                                                         |
| 144A  | 10YR 2/2 | 21  | 347   | 2   | 43    |    |     | 2 pieces of mortar<br>21g                                               |
| 144B  | 10YR 3/2 |     |       |     |       |    |     |                                                                         |
| 145A  | 10YR 2/2 | 2   | 165   |     |       |    |     |                                                                         |
| 145B  | 10YR 3/2 | 3   | 164   | 6   | 208   |    |     | All with mortar and<br>1 piece of concrete<br>686g                      |
| 145B  |          | 4   | 198   | 26  | 960   |    |     | All without mortar                                                      |
| 146A  | 10YR 3/2 | 3   | 709   | 1   | 50    |    |     | 2 pieces of brick<br>with glaze 508g                                    |
| 146B  | 10YR 5/4 | 1   | 287   | 7   | 175   |    |     | 4 pieces of tile with<br>mortar, 1 piece of<br>mortar 21g 1 bone<br>15g |
| 147A  | 10YR 3/2 | 1   | 65    |     |       |    |     | Brick with cement                                                       |
| 147B  | 10YR 3/3 | 3   | 17    | 15  | 448   |    |     |                                                                         |
| 147C  | 10YR 6/4 | 6   | 912   | 12  | 680   | 2  | 20  | White pot Victorian                                                     |
| 147D  | 10YR 6/4 |     |       |     |       |    |     |                                                                         |
| 148A  | 10YR 3/2 |     |       |     |       |    |     |                                                                         |
| 148B  | 10YR ¾   | 11  | 261   | 12  | 245   |    |     | 2 pieces of oyster<br>shell 14g and 4<br>pieces of burnt tile<br>45g    |
| 148B  |          | 1   | 111   | 8   | 322   |    |     | All with mortar                                                         |
|       |          |     |       |     |       |    |     |                                                                         |
| Total |          | 660 | 36866 | 220 | 19572 | 17 | 262 |                                                                         |

## 16. PHOTOGRAPHS OF WORK



**North Side by Post 1 before work**



**North Side by Post 1 after fencing installed**



**North Side by Post 29 before work**



**North Side by Post 29 after fencing installed**



**East Side by Post 36 before work**



**East Side by Post 36 after fencing installed**



**East Side by Post 63 before work**



**East Side by Post 63 after fencing installed**



**South Side by Post 63 before work**



**South Side by Post 63 after fencing installed**



**South Side by Post 80 before work**



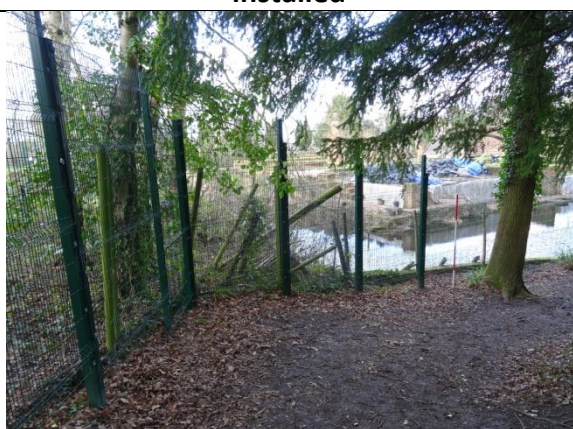
**South Side by Post 80 after fencing installed**



**South Side by Post 150 before work**



**South Side by Post 150 after fencing installed**

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    |    |
| <b>South Side by Post 82 before work</b>                                            | <b>South Side by Post 82 after fencing installed</b>                                 |
|   |   |
| <b>South Side by Post 113 before work</b>                                           | <b>South Side by Post 113 after fencing installed</b>                                |
|  |  |
| <b>South Side by Post 114 before work</b>                                           | <b>South Side by Post 114 after fencing installed</b>                                |

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    |    |
| <b>South Side by Post 109 before work</b>                                           | <b>South Side by Post 109 after fencing installed</b>                                |
|   |   |
| <b>South Side by Post 141 before work</b>                                           | <b>South Side by Post 141 after fencing installed</b>                                |
|  |  |
| <b>South Side by Post 147 before work</b>                                           | <b>South Side by Post 147 after fencing installed</b>                                |



**North Side by Post 125 before work**



**North Side by Post 125 after fencing installed**



**North Side by Post 126 before work**



**North Side by Post 126 after fencing installed**

## 17. PHOTOGRAPHS OF FEATURES

|                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   |   |
| <p><b>Post 29 showing top of possible Tudor Culvert</b></p>                        | <p><b>Position of Post 29 marked by ranging pole</b></p>                            |
|                                                                                    |                                                                                     |
|  |  |
| <p><b>1920s drain by post 36</b></p>                                               | <p><b>Position of drain by post 36</b></p>                                          |
|                                                                                    |                                                                                     |

|                                                                                   |                                                                                    |                                                                                     |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| <b>Post 63 embankments looking west</b>                                           | <b>By Post 63 showing upper and lower embankment</b>                               | <b>Post 63 embankments looking north</b>                                            |

|                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| <b>Embankment on south side of moat</b>                                            | <b>Embankment looking east</b>                                                      |

|                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
| <b>Post 113 showing position of Tudor wall</b>                                      | <b>By Post 113 looking down hole at wall</b>                                         | <b>Post 113 showing part of brick wall removed to put post in</b>                     |

## 18. SOIL SAMPLES



Soil samples laid out in order



Soil samples posts 1-12



Soil samples posts 13-24



Soil samples posts 25-36



Soil samples posts 37-48



Soil samples posts 49-60



**Soil samples posts 61-63, 79-71**



**Soil samples posts 70-64,80-81, 127, 149-150**



**Soil samples posts 128-131, 82-89**



**Soil samples posts 90-101**



**Soil samples posts 102-108, 115-116, 138-136**



**Soil samples posts 135-132, 114-109, 139-140**



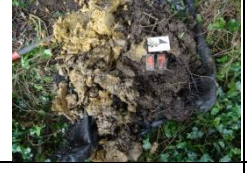
**Soil samples posts 141-148**



**Soil samples posts 117-126**

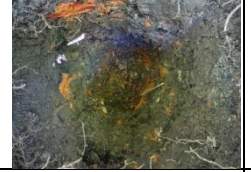
## 19. PHOTOGRAPHS OF SOIL SAMPLES BY HOLES

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |    |    |
|                                                                                     |    |                                                                                     |    |                                                                                       |
| <b>Post 1</b>                                                                       | <b>Post 2</b>                                                                       | <b>Post 3</b>                                                                       | <b>Post 4</b>                                                                        | <b>Post 5</b>                                                                         |
|    |    |    |    |    |
|    |    |                                                                                     |                                                                                      |                                                                                       |
| <b>Post 6</b>                                                                       | <b>Post 7</b>                                                                       | <b>Post 8</b>                                                                       | <b>Post 9</b>                                                                        | <b>Post 10</b>                                                                        |
|  |  |  |  |  |
| <b>Post 11</b>                                                                      | <b>Post 12</b>                                                                      | <b>Post 13</b>                                                                      | <b>Post 14</b>                                                                       | <b>Post 15</b>                                                                        |
|  |  |  |  |  |
| <b>Post 16</b>                                                                      | <b>Post 17</b>                                                                      | <b>Post 18</b>                                                                      | <b>Post 19</b>                                                                       | <b>Post 20</b>                                                                        |
|  |  |  |  |  |
|                                                                                     |                                                                                     |                                                                                     |  |  |
| <b>Post 21</b>                                                                      | <b>Post 22</b>                                                                      | <b>Post 23</b>                                                                      | <b>Post 24</b>                                                                       | <b>Post 25</b>                                                                        |

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |    |    |
|    |                                                                                     |                                                                                     |    |                                                                                       |
| <b>Post 26</b>                                                                      | <b>Post 27</b>                                                                      | <b>Post 28</b>                                                                      | <b>Post 29</b>                                                                       | <b>Post 30</b>                                                                        |
|    |    |    |    |    |
|                                                                                     |    |                                                                                     |                                                                                      |    |
| <b>Post 31</b>                                                                      | <b>Post 32</b>                                                                      | <b>Post 33</b>                                                                      | <b>Post 34</b>                                                                       | <b>Post 35</b>                                                                        |
|   |   |   |   |   |
| <b>Post 36</b>                                                                      | <b>Post 37</b>                                                                      | <b>Post 38</b>                                                                      | <b>Post 39</b>                                                                       | <b>Post 40</b>                                                                        |
|  |  |  |  |  |
| <b>Post 41</b>                                                                      | <b>Post 42</b>                                                                      | <b>Post 43</b>                                                                      | <b>Post 44</b>                                                                       | <b>Post 45</b>                                                                        |
|  |  |  |  |  |
| <b>Post 46</b>                                                                      | <b>Post 47</b>                                                                      | <b>Post 48</b>                                                                      | <b>Post 49</b>                                                                       | <b>Post 50</b>                                                                        |
|  |  |  |  |  |
| <b>Post 51</b>                                                                      | <b>Post 52</b>                                                                      | <b>Post 53</b>                                                                      | <b>Post 54</b>                                                                       | <b>Post 55</b>                                                                        |
|  |  |  |  |  |
| <b>Post 56</b>                                                                      | <b>Post 57</b>                                                                      | <b>Post 58</b>                                                                      | <b>Post 59</b>                                                                       | <b>Post 60</b>                                                                        |

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |    |    |
| <b>Post 61</b>                                                                      | <b>Post 62</b>                                                                      | <b>Post 63</b>                                                                      | <b>Post 79</b>                                                                       | <b>Post 78</b>                                                                        |
|    |    |    |    |    |
| <b>Post 77</b>                                                                      | <b>Post 76</b>                                                                      | <b>Post 75</b>                                                                      | <b>Post 74</b>                                                                       | <b>Post 73</b>                                                                        |
|    |    |    |    |    |
| <b>Post 72</b>                                                                      | <b>Post 71</b>                                                                      | <b>Post 70</b>                                                                      | <b>Post 69</b>                                                                       | <b>Post 68</b>                                                                        |
|    |    |    |    |    |
| <b>Post 67</b>                                                                      | <b>Post 66</b>                                                                      | <b>Post 65</b>                                                                      | <b>Post 64</b>                                                                       | <b>Post 80</b>                                                                        |
|  |  |  |  |  |
|  |                                                                                     |                                                                                     |                                                                                      |  |
| <b>Post 81</b>                                                                      | <b>Post 127</b>                                                                     | <b>Post 149</b>                                                                     | <b>Post 150</b>                                                                      | <b>Post 128</b>                                                                       |
|  |  |  |  |  |
|                                                                                     |                                                                                     |                                                                                     |  |                                                                                       |
| <b>Post 129</b>                                                                     | <b>Post 130</b>                                                                     | <b>Post 131</b>                                                                     | <b>Post 82</b>                                                                       | <b>Post 83</b>                                                                        |
|  |  |  |  |  |
| <b>Post 84</b>                                                                      | <b>Post 85</b>                                                                      | <b>Post 86</b>                                                                      | <b>Post 87</b>                                                                       | <b>Post 88</b>                                                                        |

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |    |    |
| <b>Post 89</b>                                                                      | <b>Post 90</b>                                                                      | <b>Post 91</b>                                                                      | <b>Post 92</b>                                                                       | <b>Post 93</b>                                                                        |
|    |    |    |    |    |
| <b>Post 94</b>                                                                      | <b>Post 95</b>                                                                      | <b>Post 96</b>                                                                      | <b>Post 97</b>                                                                       | <b>Post 98</b>                                                                        |
|    |    |    |    |    |
| <b>Post 99</b>                                                                      | <b>Post 100</b>                                                                     | <b>Post 101</b>                                                                     | <b>Post 102</b>                                                                      | <b>Post 103</b>                                                                       |
|    |    |    |    |    |
| <b>Post 104</b>                                                                     | <b>Post 105</b>                                                                     | <b>Post 106</b>                                                                     | <b>Post 107</b>                                                                      | <b>Post 108</b>                                                                       |
|   |   |   |   |   |
| <b>Post 116</b>                                                                     | <b>Post 115</b>                                                                     | <b>Post 138</b>                                                                     | <b>Post 137</b>                                                                      | <b>Post 136</b>                                                                       |
|  |  |  |  |  |
| <b>Post 135</b>                                                                     | <b>Post 134</b>                                                                     | <b>Post 133</b>                                                                     | <b>Post 132</b>                                                                      | <b>Post 114</b>                                                                       |
|  |                                                                                     |  |  |  |
| <b>Post 113</b>                                                                     | <b>Post 112</b>                                                                     | <b>Post 111</b>                                                                     | <b>Post 110</b>                                                                      | <b>Post 109</b>                                                                       |

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |    |    |
|                                                                                     |    |    |    |    |
| <b>Post 139</b>                                                                     | <b>Post 140</b>                                                                     | <b>Post 141</b>                                                                     | <b>Post 142</b>                                                                      | <b>Post 143</b>                                                                       |
|    |    |    |    |    |
|    |    |    |                                                                                      |                                                                                       |
| <b>Post 144</b>                                                                     | <b>Post 145</b>                                                                     | <b>Post 146</b>                                                                     | <b>Post 147</b>                                                                      | <b>Post 148</b>                                                                       |
|   |   |   |   |   |
|  |  |                                                                                     |                                                                                      |                                                                                       |
| <b>Post 117</b>                                                                     | <b>Post 118</b>                                                                     | <b>Post 119</b>                                                                     | <b>Post 120</b>                                                                      | <b>Post 121</b>                                                                       |
|  |  |  |  |  |
|                                                                                     |                                                                                     |                                                                                     |  |  |
| <b>Post 122</b>                                                                     | <b>Post 123</b>                                                                     | <b>Post 124</b>                                                                     | <b>Post 125</b>                                                                      | <b>Post 126</b>                                                                       |

20. Photograph of the West Arm of Moat in *The History of Chislehurst* (1899)



THE MOAT AND RUINS OF DRAWBRIDGE, SCADBURY

# SCADBURY MOATED MANOR NEW FENCING 2021

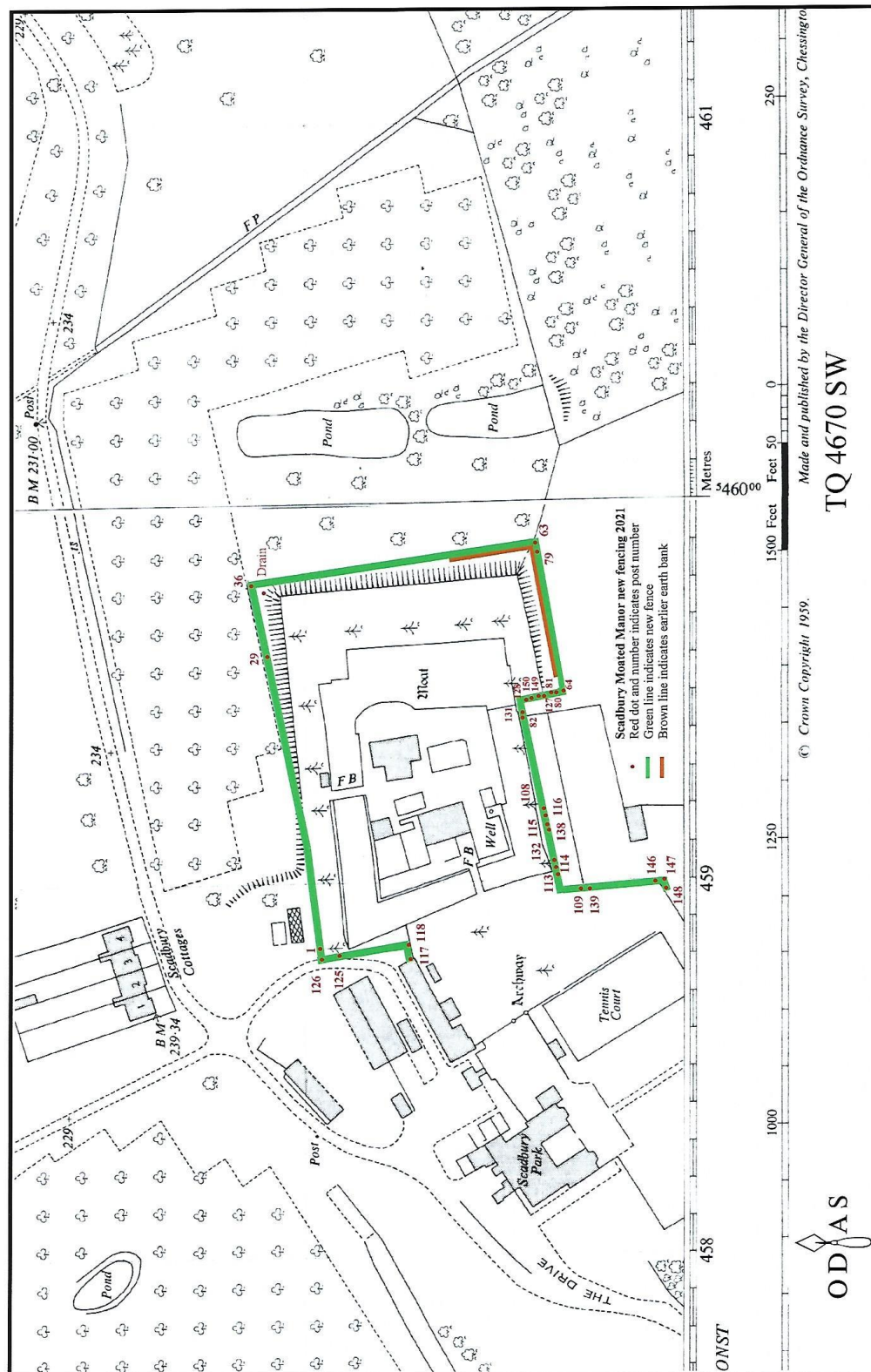


Figure 13: Plan of New Fencing

## 21. Photographs Before and After New Fencing Installed.

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    |    |
| North Side by Post 29 before work                                                   | North Side by Post 29 after fencing installed                                        |
|   |   |
| East Side by Post 63 before work                                                    | East Side by Post 63 after fencing installed                                         |
|  |  |
| South Side by Post 113 before work                                                  | South Side by Post 113 after fencing installed                                       |