

Archaeological Evaluation of Land off The Hill and Jubilee Road, Littlebourne, Kent



NGR: 620542 157821 (centre of site)

Site Code: LITT/EV/18

(Planning Application: CA/15/01711/FUL)

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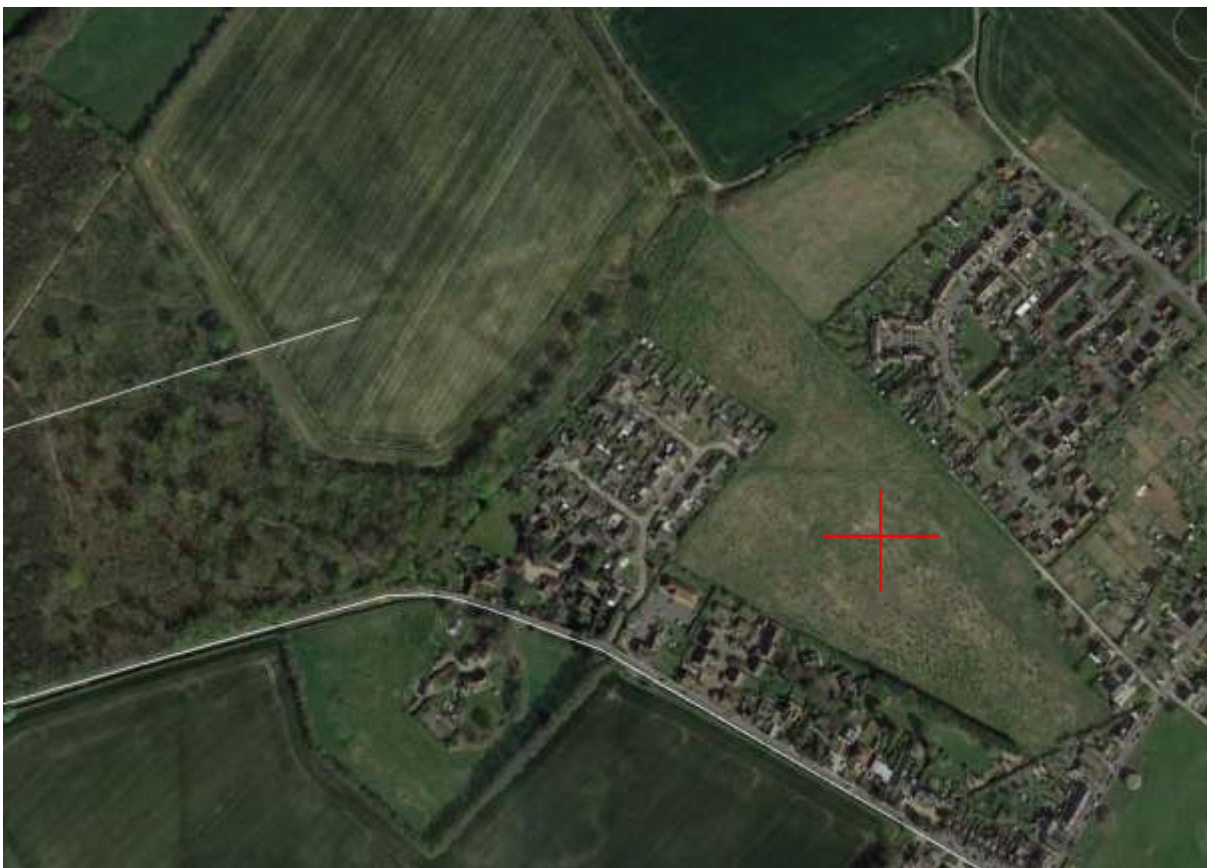


Plate 1. Aerial photograph of site (red target) Google Earth (9/4/2017)

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NGR: 620542 157821

Site Code: LITT-EV-18

1. Summary

Swale & Thames Survey Company (SWAT) carried out an archaeological evaluation of land off land off The Hill and Jubilee Road, Littlebourne in Kent. A Planning Application (CA/15/01711/FUL) to develop this site for 87 residential dwellings to Canterbury City Council, whereby the Council requested that an Archaeological Evaluation be undertaken in order to determine the possible impact of the development on any archaeological remains. The work was carried out in accordance with the requirements set out within an Archaeological Specification (SWAT Specification A and CCC Manual Part B) and in discussion with the Archaeological Heritage Officer, Canterbury City Council. The results of the excavation of 49 evaluation trenches revealed that no archaeological features were present within the trenches (Figure 1). The natural geology of Silty Clay was reached at an average depth of between 0.20m and 0.25m below the topsoil. The Archaeological Evaluation has been successful in fulfilling the primary aims and objectives of the Archaeological Specification.

2. Introduction

Swale & Thames Survey Company (SWAT) was commissioned by the landowners to carry out an archaeological evaluation at the above site. The work was carried out in accordance with the requirements set out within an Archaeological Specification (SWAT 2018) and in discussion with Rosanne Cummings, Archaeological Heritage Officer, Canterbury City Council. The evaluation was carried out on the 21st to 23rd November 2018.

3. Site Description and Topography

The proposed development area (PDA) is situated three miles to the east of Canterbury in the village of Littlebourne along the A257 formally the Roman road from Canterbury to Richborough. The village is 18 miles north of Dover and 14 miles west of the towns of

Ramsgate and Margate. The Kent Downs Area of Outstanding Natural Beauty (AONB) lies three miles to the south of the site.

The site itself lies within the gentle rolling landscape on the western edge of the village of Littlebourne and adjacent to a number of mid-late 20th century housing estates. The site is currently in agricultural use.

3.1 The Geological Survey of Great Britain (1:50,000) shows that the PDA is set on Bedrock Geology of Thanet Formation-Sand, Silt and Clay.

3.2 Superficial Deposits are River Terrace Deposits - Sand and Gravel and recorded as clay and silt deposits across most of the site with two islands of sand and gravel River Terrace Deposits recorded at the north-west end of the site and found in the evaluation trenches.

The site slopes from south-east to north-west and OD heights are c.17m aOD at the east end rising to c.32m aOD at the west end of the site.

4. Planning Background

Canterbury City Council gave planning permission (CA/15/01711/FUL) for development.

On the advice of Rosanne Cummings, Archaeological Heritage Officer (CCC) a programme of archaeological works in the form of an initial archaeological evaluation was attached to the consent. The planning permission has the following Archaeological Condition (17):

Prior to the commencement of development, the following components of a scheme for the archaeological evaluation of the site, to be undertaken for the purpose of determining the presence or absence of any buried archaeological features and deposits and to assess the importance of the same, shall each be submitted to and approved in writing by the local planning authority:

1. A written scheme of investigation, to be submitted a minimum of fourteen days in advance of the commencement of fieldwork.

2. *A report summarising the results of the investigations, to be produced on the completion of fieldwork, in accordance with the requirements set out in the written scheme of investigation.*

3. *Any further mitigation measures considered necessary as a result of the archaeological investigations, to ensure preservation in situ of important archaeological remains and/or further archaeological investigation and recording in accordance with a specification and timetable which has been submitted to and approved by the Local Planning Authority.*

4. *If necessary, a programme of post-excavation assessment, analysis, publication and conservation.*

Fieldwork, including further mitigation works and post-excavation work shall be completed in accordance with the approved details and programme timings unless otherwise agreed in writing with the local authority, and the local authority shall be notified in writing a minimum of fourteen days in advance of the commencement of any fieldwork.

REASON: Pursuant to Articles 35 (1) and (2) of the Town and Country Planning (Development Management Procedure)(England) Order 2015, the local planning authority is satisfied that the requirements of this condition (including the timing of compliance) are so fundamental to the development permitted that, if not imposed, it would have been necessary to refuse permission for the development. This is because, at the time of granting permission, full archaeological details were not yet available but this information is necessary to ensure the development complies with Canterbury District Local Plan 2006 Policy BE15 and Draft Canterbury District Local Plan 2014 Policy HE11 and otherwise to protect the environment of the site and its locality.

The results from this evaluation will be used to inform CCC Archaeology and Heritage and Canterbury City Council of any further archaeological mitigation measures that may be necessary in connection with the development proposals.

5. Archaeological and Historical Background

The Archaeological record, both in and around the Proposed Development Area (PDA) is diverse. The Kent County Council Historic Environment Record (KCCHER) and the SWAT Archaeology Specification plus the Desk-based Assessment by ADAS UK Ltd (2012) have provided details of any previous investigations and discoveries.

6. Aims and Objectives

According to the SWAT Archaeological Specification, the aims and objectives for the archaeological work were to ensure that:

The principle objective of the archaeological evaluation is to establish the presence or otherwise of any elements of the archaeological resource, both artefacts and ecofacts of archaeological interest across the area of the development.

To ascertain the extent, depth below ground surface, depth of deposit if possible, character, date and quality of any such archaeological remains by limited sample excavation.

To determine the state of preservation and importance of the archaeological resource if present and to assess the past impacts on the site and pay particular attention to the character, height/depth below ground level, condition, date and significance of any archaeological deposits.

The opportunity will also be taken during the course of the evaluation to place and assess any archaeology revealed within the context of other recent archaeological investigations in the immediate area and within the setting of the local landscape and topography.

Should archaeological remains be found, further archaeological excavation may be required. This work will be covered by a separate specification and not form part of the present evaluation.

7. Methodology

The Archaeological Specification called for an evaluation by trial trenching comprising a first phase of 49 trenches 25m long and 1.8m wide within the footprint of the proposed housing development. An 18.5 ton 360° tracked mechanical excavator with a flat-bladed ditching bucket was used to remove the topsoil and subsoil to expose the natural geology. All

archaeological work was carried out in accordance with the specification. A single context recording system was used to record the deposits, and context recording numbers were assigned to all deposits for recording purposes. All archaeological work was carried out in accordance with CCC, SWAT and ClfA standards and guidance.

8. Monitoring

Curatorial monitoring was available during the course of the evaluation.

9. Results

The evaluation has identified no archaeological features within the 53 trenches (Figure 1).

The trenches are listed in Appendix 1.

10. Discussion

With a large number of archaeological sites known in the vicinity of the PDA it was expected that the evaluation may produce evidence of archaeological activity. But there was none. The site has been used as agricultural land. All trenches showed a typical sequence of topsoil and subsoil.

11. Finds

No finds were found.

12. Conclusion

The evaluation trenches at the proposed development site revealed no archaeological features or artefacts.

The archaeological evaluation has been successful in fulfilling the primary aims and objectives of the Specification. A common stratigraphic sequence was recognised across the site comprised of topsoil **(101)** sealing the subsoil **(102)**. Therefore, this evaluation has been successful in fulfilling the aims and objectives as set out in the planning condition and the Archaeological Specification.

13. Acknowledgements

SWAT Archaeology would like to thank the client for commissioning the project. Thanks are also extended to Rosanne Cummings Archaeological Heritage Officer, Canterbury City Council. The fieldwork was undertaken by Tim Allen MCifA, Paul Wilkinson MCifA and Bartek Cichy. Survey was by Bartek Cichy and report by Paul Wilkinson.

Dr Paul Wilkinson 27/11/2018

14. References

Chartered Institute for Field Archaeologists (CifA), Rev (2017). *Standard and Guidance for archaeological field evaluation*

SWAT Archaeology (2018) *Specification for a Programme of Archaeological Evaluation Land off The Hill and Jubilee Road, Littlebourne, Kent*

KCC and Historic England HER data 2018

Kent County Council HER Summary Form

Site Name: Land off The Hill and Jubilee Road, Littlebourne, Kent

SWAT Site Code: LITT/EV/18

Site Address: As above

Summary:

Swale and Thames Survey Company (SWAT) carried out Archaeological Evaluation on the development site above. The site has planning permission for residential houses whereby Canterbury City Council Heritage and Conservation requested that Archaeological Evaluation be undertaken to determine the possible impact of the development on any archaeological remains.

The Archaeological Monitoring consisted of an Archaeological Evaluation which revealed no archaeology.

District/Unitary: Canterbury City Council

Period(s):

NGR (centre of site to eight figures) 620542 157821

Type of Archaeological work: Archaeological Evaluation

Date of recording: November 2018

Unit undertaking recording: Swale and Thames Survey Company (SWAT. Archaeology)

Geology: Underlying geology is Bedrock Geology of Thanet Formation

Title and author of accompanying report: Wilkinson P. (2018) Archaeological Evaluation of Land off The Hill and Jubilee Road, Littlebourne, Kent

Summary of fieldwork results (begin with earliest period first, add NGRs where appropriate)

No archaeology found

Location of archive/finds: SWAT. Archaeology. Graveney Rd, Faversham, Kent. ME13 8UP

Contact at Unit: Paul Wilkinson

Date: 27/11/2018



Plate 2. The site (looking west)



Plate 3. Typical trench layout



Plate 4. Trench 1 (looking SE)



Plate 5. Trench 2 (looking NE)



Plate 6. Trench 12 (looking N)



Plate 7. Excavating Trench 13 (looking W)



Plate 8. Trench 15 (looking E)



Plate 9. Trench 32 (looking NE)



Plate 10. Section Trench 5



Plate 11. Section Trench 8 with gravel deposits

Appendix 1. Trench Table

Trench 1	Dimensions: 20.2m x 1.8m Depth: 0.4m Trench alignment: NNW-SSE NNW-end Ground Level: 19.32m SSE-end Ground Level: 18.7m		
Context	Interpretation	Description	Depth (m)
101	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
102	Natural - Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 2	Dimensions: 20m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 19.67m SW-end Ground Level: 19.75m		
Context	Interpretation	Description	Depth (m)
201	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
202	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 3	Dimensions: 20m x 1.8m Depth: 0.4m Trench alignment: NW-SE NW-end Ground Level: 20.92m SE-end Ground Level: 20.18m		
Context	Interpretation	Description	Depth (m)
301	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
302	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 4	Dimensions: 23.5m x 1.8m Depth: 0.4m Trench alignment: NE-SW		
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	NE-end Ground Level: 21.18m SW-end Ground Level: 21.42m		
Context	Interpretation	Description	Depth (m)
401	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
402	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+
[403]	Modern Pipe	Blue plastic pipe in narrow trench	0.35
[404]	Modern post hole	Rectangular in plan feature measuring 0.41m by 0.93m filled with softly compacted yellow clayey silt.	0-0.3+

Trench 5	Dimensions: 20m x 1.8m Depth: 0.4m Trench alignment: NW-SE NW-end Ground Level: 22.5m SE-end Ground Level: 21.65m		
Context	Interpretation	Description	Depth (m)
501	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
502	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 6	Dimensions: 24.5m x 1.8m Depth: 0.32m Trench alignment: NE-SW NE-end Ground Level: 23.32m SW-end Ground Level: 23.38m		
Context	Interpretation	Description	Depth (m)
601	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
602	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 7	Dimensions: 24.2m x 1.8m Depth: 0.4m Trench alignment: NW-SE NW-end Ground Level: 24.20m SE-end Ground Level: 24.07m		
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Context	Interpretation	Description	Depth (m)
701	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
702	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 8	Dimensions: 23.3m x 1.8m Depth: 0.35m Trench alignment: NE-SW Test pit depth: 0.95m NE-end Ground Level: 26.35m SW-end Ground Level: 26.7m		
Context	Interpretation	Description	Depth (m)
801	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with freq. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
802	Natural – River terrace gravel deposit	Flint gravel consisted of sub rounded flint nodules, mid orange-brown (Munsell value: 10YR 6/8) clay sandy silt filling spaces between the stones and bioturbations (small and medium roots)	0.3-0.95
803	Natural – River terrace deposits	Mid compaction, light orange-yellow (Munsell value: 2.5Y 8/6) sand	0.95+

Trench 9	Dimensions: 24.07m x 1.8m Depth: 0.35m Trench alignment: WNW-ESE WNW-end Ground Level: 28.68m ESE-end Ground Level: 27.65m		
Context	Interpretation	Description	Depth (m)
901	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
902	Natural – River terrace gravel deposit	Flint gravel consisted of sub rounded flint nodules, mid orange-brown (Munsell value: 10YR 6/8) clay sandy silt filling spaces between the stones and bioturbations (small and medium roots)	0.3+

Trench 10	Dimensions: 19.7m x 1.8m Depth: 0.4m Trench alignment: NW-SE		
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	NW-end Ground Level: 29.48m SE-end Ground Level: 28.87m		
Context	Interpretation	Description	Depth (m)
1001	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
1002	Natural – River terrace gravel deposit	Flint gravel consisted of sub rounded flint nodules, mid orange-brown (Munsell value: 10YR 6/8) clay sandy silt filling spaces between the stones and bioturbations (small and medium roots)	0.3+
1003	Natural – River terrace deposits	Mid compaction, light orange-yellow (Munsell value: 2.5Y 8/6) sand	0.3

Trench 11	Dimensions: 24.2m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 28.3m SW-end Ground Level: 27.9m		
Context	Interpretation	Description	Depth (m)
1101	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with freq. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
1102	Natural – River terrace gravel deposit	Flint gravel consisted of sub rounded flint nodules, mid orange-brown (Munsell value: 10YR 6/8) clay sandy silt filling spaces between the stones and bioturbations (small and medium roots)	0.3+
1103	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with moderate sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 12	Dimensions: 24.5m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 29.1m SW-end Ground Level: 28.7m		
Context	Interpretation	Description	Depth (m)
1201	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
1202	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 13	Dimensions: 23.15m x 1.8m Depth: 0.4m Trench alignment: WNW-ESE WNW-end Ground Level: 28.71m ESE-end Ground Level: 27.99m		
Context	Interpretation	Description	Depth (m)
1301	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
1302	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 14	Dimensions: 24.3m x 1.8m Depth: 0.42m Trench alignment: NNE-SSW NNE-end Ground Level: 28.35m SSW-end Ground Level: 28.78m		
Context	Interpretation	Description	Depth (m)
1401	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
1402	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 15	Dimensions: 22.6m x 1.8m Depth: 0.4m Trench alignment: WNW-ESE WNW-end Ground Level: 27.72m ESE-end Ground Level: 26.41m		
Context	Interpretation	Description	Depth (m)
1501	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
1502	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 16	Dimensions: 23.2m x 1.8m Depth: 0.35m Trench alignment: NNE-SSW NNE-end Ground Level: 27.1m SSW-end Ground Level: 26.75m		
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Context	Interpretation	Description	Depth (m)
1601	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
1602	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 17	Dimensions: 23.3m x 1.8m Depth: 0.4m Trench alignment: NNE-SSW NNE-end Ground Level: 25.85m SSW-end Ground Level: 25.9m		
Context	Interpretation	Description	Depth (m)
1701	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
1702	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 18	Dimensions: 24.7m x 1.8m Depth: 0.4m Trench alignment: WNW-ESE WNW-end Ground Level: 25.18m ESE-end Ground Level: 24.1m		
Context	Interpretation	Description	Depth (m)
1801	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
1802	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 19	Dimensions: 26.9m x 1.8m Depth: 0.4m Trench alignment: NNE-SSW NNE-end Ground Level: 23.4m SSW-end Ground Level: 23.15m		
Context	Interpretation	Description	Depth (m)
1901	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3

1902	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+
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Trench 20	Dimensions: 25m x 1.8m Depth: 0.4m Trench alignment: NW-SE NW-end Ground Level: 22.76m SE-end Ground Level: 21.8m		
Context	Interpretation	Description	Depth (m)
2001	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
2002	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 21	Dimensions: 25.3m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 21.2m SW-end Ground Level: 21.4m		
Context	Interpretation	Description	Depth (m)
2101	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
2102	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 22	Dimensions: 25.3m x 1.8m Depth: 0.35m Trench alignment: NW-SE NW-end Ground Level: 20.87m SE-end Ground Level: 19.88m		
Context	Interpretation	Description	Depth (m)
2201	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
2202	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 23	Dimensions: 24.6m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 19.29m SW-end Ground Level: 19.63m		
Context	Interpretation	Description	Depth (m)
2301	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
2302	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 24	Dimensions: 24.6m x 1.8m Depth: 0.45m Trench alignment: E-W E-end Ground Level: 19.15m W-end Ground Level: 18.8m		
Context	Interpretation	Description	Depth (m)
2401	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
2402	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 25	Dimensions: 26.3m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 18.4m SW-end Ground Level: 18.8m		
Context	Interpretation	Description	Depth (m)
2501	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
2502	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 26	Dimensions: 22.6m x 1.8m Depth: 0.35m Trench alignment: NW-SE NW-end Ground Level: 19.3m SE-end Ground Level: 18.77m		
Context	Interpretation	Description	Depth (m)

2601	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
2602	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 27	Dimensions: 26.6m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 18.42m SW-end Ground Level: 18.59m		
Context	Interpretation	Description	Depth (m)
2701	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
2702	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 28	Dimensions: 23.5m x 1.8m Depth: 0.4m Trench alignment: NW-SE NW-end Ground Level: 18.48m SE-end Ground Level: 18.05m		
Context	Interpretation	Description	Depth (m)
2801	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
2802	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 29	Dimensions: 25.1m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 17.02m SW-end Ground Level: 17.04m		
Context	Interpretation	Description	Depth (m)
2901	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
2902	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and	0.3+

		bioturbations (small and medium roots)	
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Trench 30	Dimensions: 26.9m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 18.3m SW-end Ground Level: 18.42m		
Context	Interpretation	Description	Depth (m)
3001	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
3002	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 31	Dimensions: 24.3m x 1.8m Depth: 0.4m Trench alignment: NW-SE NW-end Ground Level: 19.24m SE-end Ground Level: 18.61m		
Context	Interpretation	Description	Depth (m)
3101	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
3102	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 32	Dimensions: 25m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 19.37m SW-end Ground Level: 19.51m		
Context	Interpretation	Description	Depth (m)
3201	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
3202	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 33	Dimensions: 26.2m x 1.8m Depth: 0.4m Trench alignment: NW-SE		
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	NW-end Ground Level: 19.9m SE-end Ground Level: 19.02m		
Context	Interpretation	Description	Depth (m)
3301	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
3302	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 34	Dimensions: 24.8m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 19.75m SW-end Ground Level: 20.32m		
Context	Interpretation	Description	Depth (m)
3401	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
3402	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 35	Dimensions: 25m x 1.8m Depth: 0.4m Trench alignment: NW-SE NW-end Ground Level: 21.52m SE-end Ground Level: 20.75m		
Context	Interpretation	Description	Depth (m)
3501	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
3502	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 36	Dimensions: 24.8m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 20.65m SW-end Ground Level: 21.16m		
Context	Interpretation	Description	Depth (m)
3601	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick	0.00-0.3

		fragments, freq small roots and occ. medium roots.	
3602	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 37	Dimensions: 25.5m x 1.8m Depth: 0.4m Trench alignment: NW-SE NW-end Ground Level: 21.98m SE-end Ground Level: 21.18m		
Context	Interpretation	Description	Depth (m)
3701	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
3702	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 38	Dimensions: 26.5m x 1.8m Depth: 0.4m Trench alignment: NE-SW NE-end Ground Level: 22.01m SW-end Ground Level: 22.48m		
Context	Interpretation	Description	Depth (m)
3801	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
3802	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 39	Dimensions: 25.8m x 1.8m Depth: 0.4m Trench alignment: WNW-ESE WNW-end Ground Level: 23.46m ESE-end Ground Level: 22.75m		
Context	Interpretation	Description	Depth (m)
3901	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
3902	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 40	Dimensions: 25m x 1.8m Depth: 0.4m Trench alignment: NNE-SSW NNE-end Ground Level: 22.35m SSW-end Ground Level: 22.32m		
Context	Interpretation	Description	Depth (m)
4001	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
4002	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 41	Dimensions: 22.9m x 1.8m Depth: 0.4m Trench alignment: NNE-SSW NNE-end Ground Level: 25.07m SSW-end Ground Level: 25.05m		
Context	Interpretation	Description	Depth (m)
4101	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
4102	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 42	Dimensions: 28.3m x 1.8m Depth: 0.4m Trench alignment: WNW-ESE WNW-end Ground Level: 25.31m ESE-end Ground Level: 23.75m		
Context	Interpretation	Description	Depth (m)
4201	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
4202	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 43	Dimensions: 28m x 1.8m Depth: 0.4m Trench alignment: NNE-SSW NNE-end Ground Level: 26.25m SSW-end Ground Level: 25.99m		
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Context	Interpretation	Description	Depth (m)
4301	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
4302	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 44	Dimensions: 26.9m x 1.8m Depth: 0.4m Trench alignment: WNW-ESE WNW-end Ground Level: 28.9m ESE-end Ground Level: 26.94m		
Context	Interpretation	Description	Depth (m)
4401	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
4402	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 45	Dimensions: 27.53m x 1.8m Depth: 0.4m Trench alignment: WNW-ESE WNW-end Ground Level: 27.6m ESE-end Ground Level: 25.83m		
Context	Interpretation	Description	Depth (m)
4501	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
4502	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 46	Dimensions: 25.7m x 1.8m Depth: 0.4m Trench alignment: NNE-SSW NNE-end Ground Level: 25.24m SSW-end Ground Level: 25.13m		
Context	Interpretation	Description	Depth (m)
4601	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with moderate. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3

4602	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+
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Trench 47	Dimensions: 27m x 1.8m Depth: 0.4m Trench alignment: WNW-ESE WNW-end Ground Level: 24.33m ESE-end Ground Level: 23.09m		
Context	Interpretation	Description	Depth (m)
4701	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
4702	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 48	Dimensions: 27.5m x 1.8m Depth: 0.4m Trench alignment: NW-SE NW-end Ground Level: 22.78m SE-end Ground Level: 21.7m		
Context	Interpretation	Description	Depth (m)
4801	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
4802	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

Trench 49	Dimensions: 26.4m x 1.8m Depth: 0.4m Trench alignment: NW-SE NW-end Ground Level: 20.84m SE-end Ground Level: 19.84m		
Context	Interpretation	Description	Depth (m)
4901	Topsoil	Mid compaction, dark brown (Munsell value: 5Y 6/1) sandy clayey silt with occ. sub angular flints, brick fragments, freq small roots and occ. medium roots.	0.00-0.3
4902	Natural – Head	Mid compaction, mid orange-brown (Munsell value: 7.5YR 8/6) silty clay with occ. sub angular flints and bioturbations (small and medium roots)	0.3+

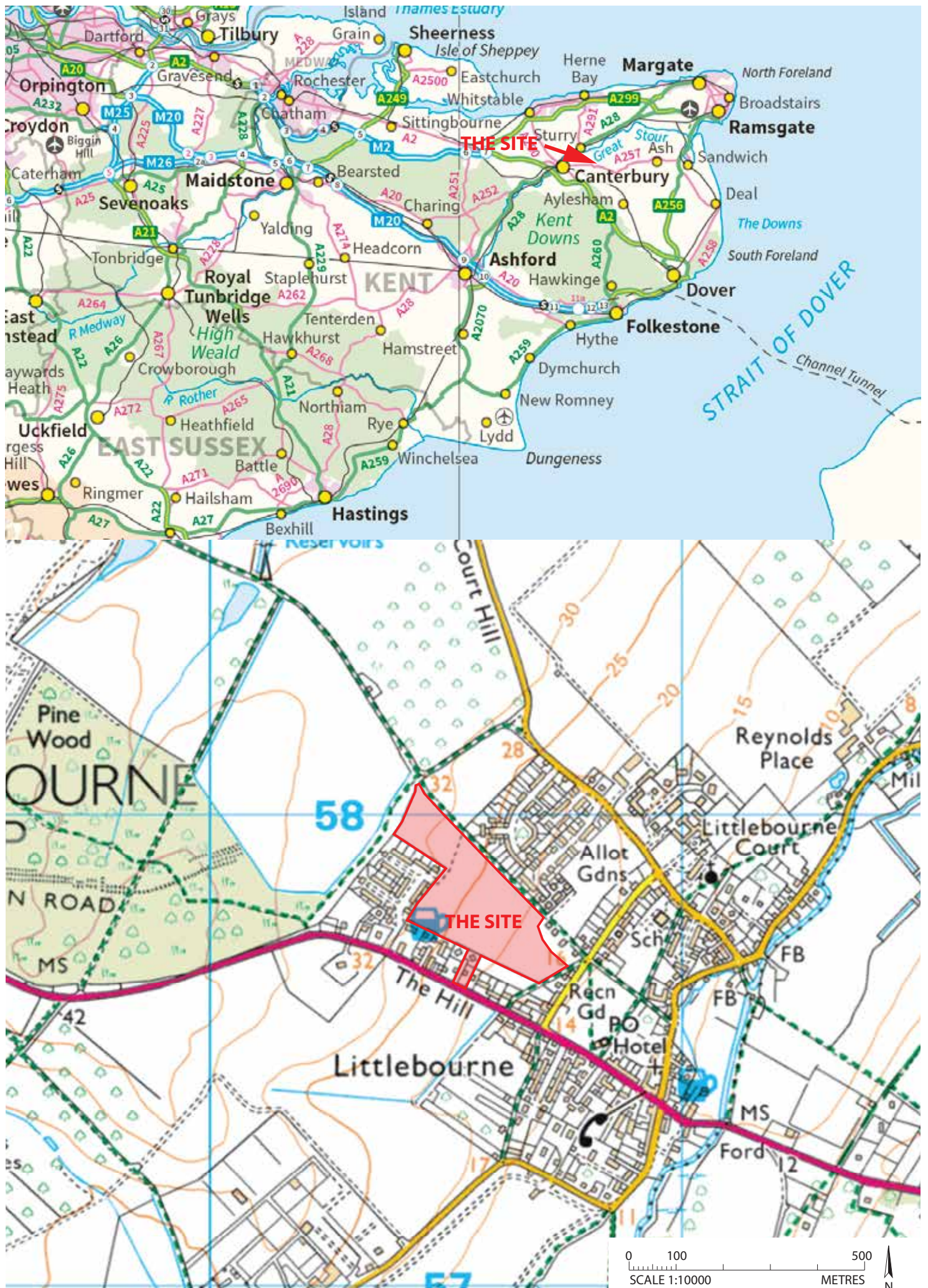


Figure 1: Site location map, scale 1:10000.

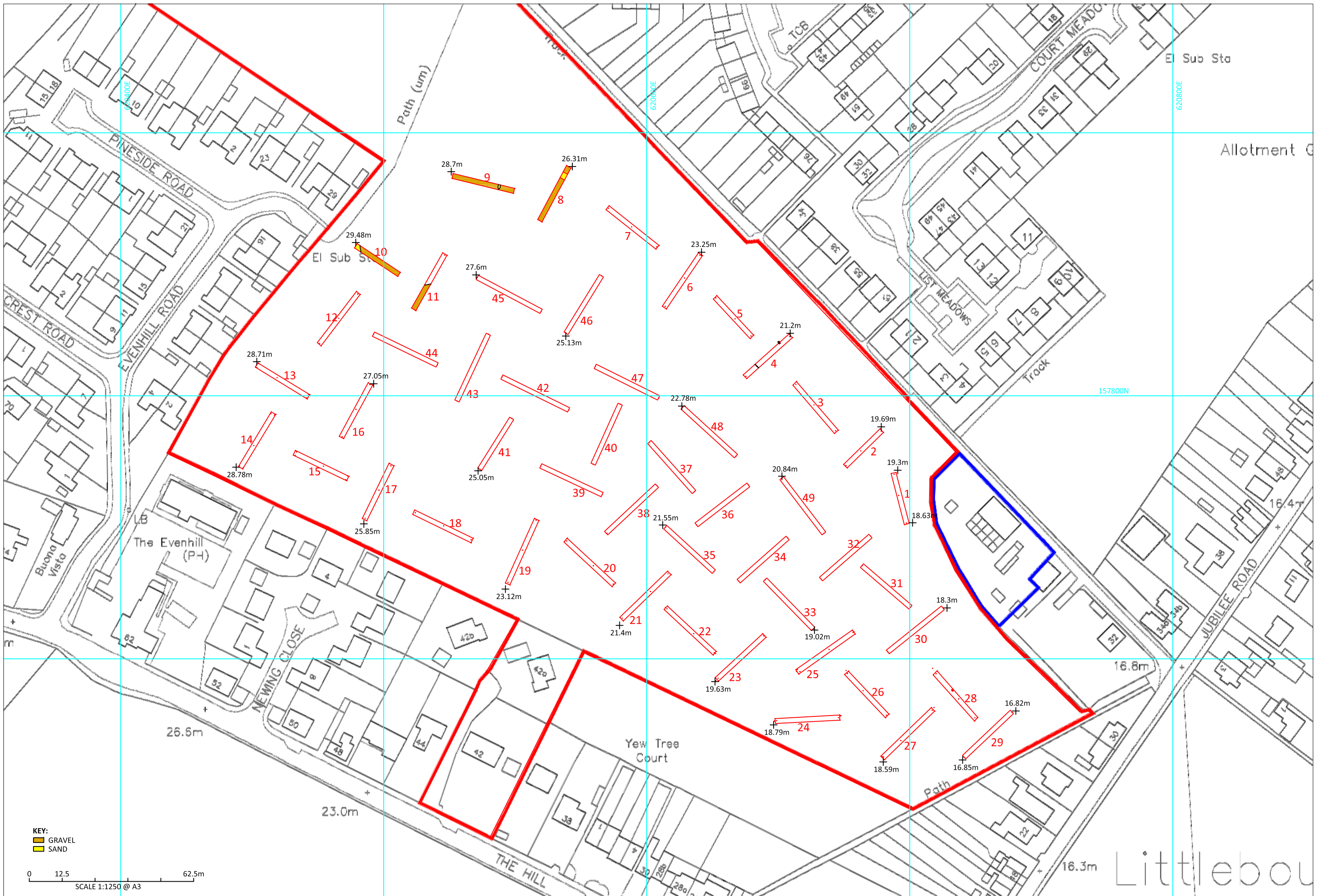


Figure 2: Trench location



Figure 3: Trench location in relation to development

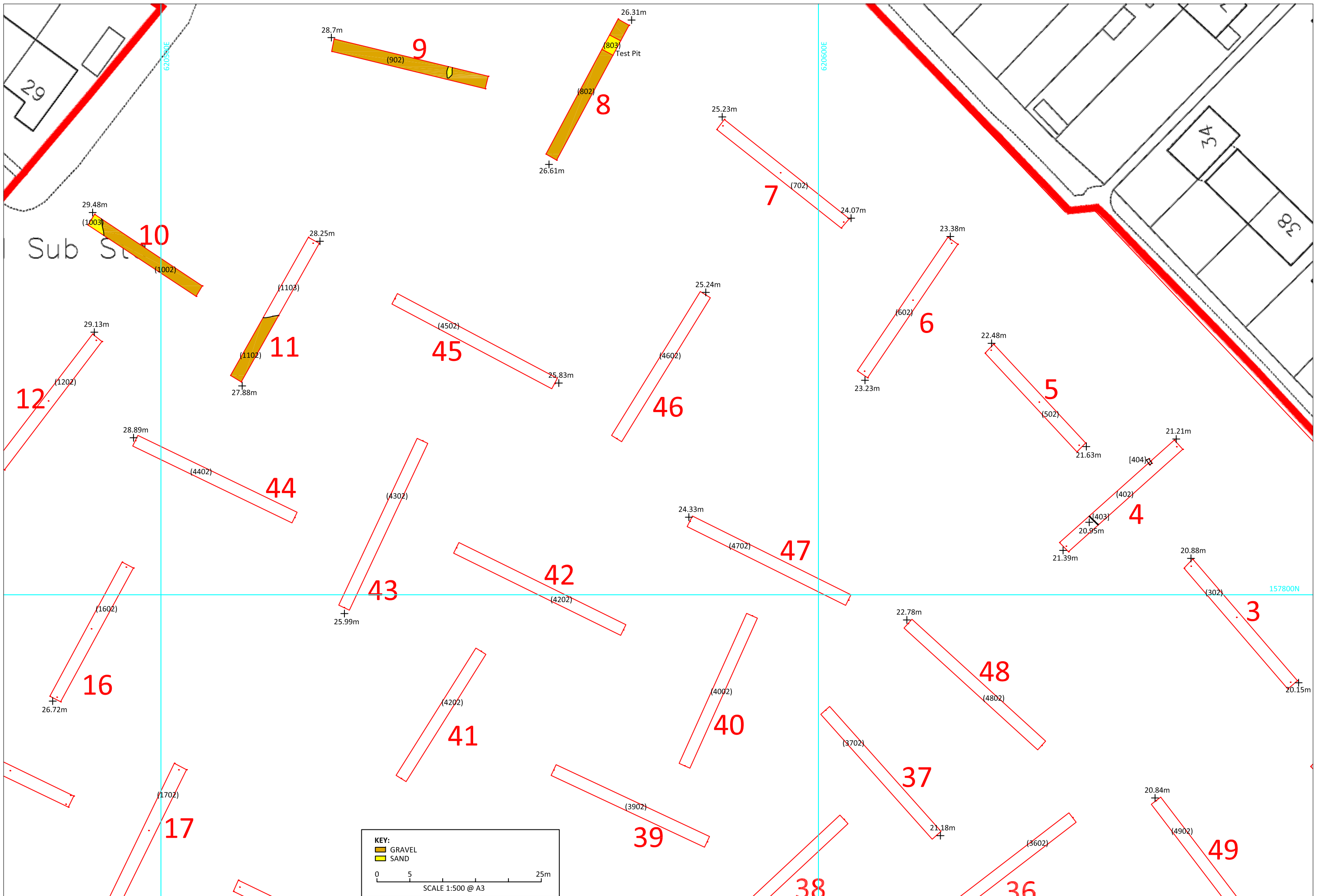


Figure 4: Trench plan