



LINDSEY ARCHAEOLOGICAL SERVICES

**Toynton St Peter: New Vacuum Mains Sewerage  
Scheme  
Archaeological Evaluation and Excavation**

NGR: TF4028 6278.  
Site Code: TSPS 04.  
Accession Number: 2004.108

**Report for  
Anglian Water Services Ltd**

**By**

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**LAS Report No: 764  
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Conservation  
Services

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Highways & Planning  
Directorate

PRN 46292 medieval - post medieval.

## Contents

### List of Figures

### List of Plates

Summary 1

Introduction 1

Site Location and Description 1

Planning Background 1

Archaeological Background 1

Aims and Objectives 2

Method 2

Results: Evaluation 3

Results: Excavation 4

Discussion 6

Conclusion 6

Site Archive 6

### Plates

### Figures

Appendix 1: Context Summary

Appendix 2: Pottery Report and Archive by Jane Young

Appendix 3: Ceramic Building Materials Archive by Jane Young

Appendix 4: Environmental Report by Archaeological Services WYAS

### List of Figures

- Fig.1 Location of Development site, Toynton St. Peter (inset C based on the Ordnance Survey map Explorer 274, Scale 1:25 000. Crown Copyright, reproduced with the permission of the Controller of HMSO. LAS Licence no. AL 100002165.
- Fig. 2 Evaluation Trenches and excavation area in relation to development area, based on a plan supplied by the client.
- Fig. 3 Plan and section of Evaluation Trench 1
- Fig. 4 Pre-excavation plan of Evaluation Trench 2
- Fig. 5 Plan of excavation area
- Fig. 6 North/south and east/west orientated sections through pit 205
- Fig. 7 Portion of eastern edge of sit showing ditches 255, 256 and field drain 337
- Fig. 8 Section through ditches 264, 263, pit 278 and postholes 277 and 310

### List of Plates

- Pl. 1 New Lane, Toynton St Peters, general view of site, looking north-east
- Pl. 2 Evaluation Trench 1, looking north-east, scale 1m
- Pl. 3 Evaluation Trench 1, section, looking north-west, scales 1m
- Pl. 4 Evaluation Trench 2, looking north-east, scales 2m
- Pl. 5 Pit 205, pre-excavation, looking north-west, scales 2m
- Pl. 6 Pit 205, Partially excavated, looking north, scales 1m
- Pl. 7 Pit 205, note layers in fill, looking south, scales 1m
- Pl. 8 Excavation area, looking north-east, scales 1m
- Pl. 9 Ditch 255 looking east, scales 1m
- Pl. 10 Ditches 263 and 264 and pit 278, looking north, scales 1m
- Pl. 11 Posthole 272, looking west, scales 0.20m and 0.10m
- Pl. 12 Posthole 273, looking south-west, scales 0.20m and 0.10m
- Pl. 13 Posthole 258, looking west, scales 0.20m and 0.10m
- Pl. 14 Posthole 259, looking north, scale 0.20m
- Pl. 15 Posthole 276, looking north, scale 0.20m



## **Toynton St Peter: New Vacuum Mains Sewerage Scheme Archaeological Evaluation and Excavation**

NGR: TF4028 6278

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### **Summary**

*An archaeological evaluation comprising two trenches was undertaken at the above site. It revealed features including a substantial pit representing a possible kiln with associated postholes and linear features. These were considered significant enough to merit further excavation. A series of agricultural field drains, ditches and several small pits but no further significant archaeological remains. The evaluation and excavation suggest the development site is on the periphery of an area of archaeological activity with the possibility of medieval pottery kilns being located nearby.*

### **Introduction**

Lindsey Archaeological Services was commissioned by Anglian Water Services Ltd in April 2004 to undertake an archaeological evaluation at New Lane, Toynton St Peters under the proviso that this could turn into a full excavation if necessary (Fig. 1; Pl. 1). The work was carried out in accordance with the brief dated April 2004 and general requirements set out in *Lincolnshire Archaeological Handbook* published by the Archaeology Section, Lincolnshire County Council (1998). Work commenced 5th May and was completed 4<sup>th</sup> June 2004.

### **Site Location and Description**

Toynton St Peter is situated at the southern tip of the Lincolnshire Wolds, 3km south of Spilsby. The proposed scheme will comprise the construction of a new sewerage system through the village, and pipes will be laid mostly along existing roads or roadside verges with the exception of links to a new pumping station site off New Lane.

### **Planning Background**

The proposed new sewerage scheme lies outside the planning process and is covered under Anglian Water best practice policy. However, construction of the pumping station required planning permission and an evaluation was requested prior to construction of the buildings. The evaluation revealed potentially significant archaeological deposits and further excavation was carried out.

### **Archaeological Background**

Toynton St Peter is mentioned in the Domesday Survey of 1086 when the village had a church and the settlement is clearly of Saxon origin. Both Toynton St Peter and Toynton all Saints to the north had medieval and post-medieval pottery manufacturing industries. Kiln and waster heap sites have been recorded near the junction of Main Street and Halton Road. The intended site of the new treatment works and vacuum station, north of New Lane, occupies land that had been built on by the early seventeenth century. A map of 1614 shows two separate houses at the east end of the site, slightly north of the new access road, and medieval pottery was picked up from this part of the site.



These lie outside the area affected by the proposed pumping station complex but were identified as possibly being associated with pottery production.

Geophysical survey of the land has identified at least five possible kilns four of which lie in the centre of the development site beneath the east side of primary treatment tank, under the access road and the vacuum vessel and control kiosk.

### **Aims and Objectives**

The purpose of the evaluation was to

- establish the date, quality and extent of archaeological remains and their location within the development area
- gather sufficient information to enable an assessment of the potential and significance of any archaeological remains to be made and the impact which development will have upon them
- enable an informed decision to be made regarding the future treatment of any archaeological remains and consider any appropriate mitigatory measures either in advance of and/or during development

More specifically, the purpose of the evaluation trenching was to assess the potential importance of any medieval or earlier settlement remains present on the site.

The purpose of the excavation was to further examine the archaeological features revealed during the evaluation and any features revealed within the excavation area including the potential kilns identified during geophysical survey.

### **Method**

#### **1.Evaluation**

The two evaluation trenches, measuring 10m x 5m, and 10m x 2m, were excavated using a JCB, with a toothless dyking bucket, to the first archaeological horizon (Fig. 2). All machine excavation was monitored by an experienced archaeologist. Archaeological recording was carried out by a team of three experienced archaeologists, including a Site Director. A full written (single context) and photographic record was made of the site, including site plans and sections at a scale of 1:20.

The trenches were hand-cleaned to reveal features in plan and carefully selected cross-sections through the features were excavated to enable sufficient information about form, development date and stratigraphic relationships to be recorded without prejudice to more extensive investigations should these prove to be necessary.

#### **2.Excavation**

The presence of archaeological remains in Trench 2 resulted in the establishment of an excavation area measuring 20m x 30m located near the centre of the development area (Fig 2). This



encompassed Trench 2 and several anomalies identified during geophysical survey as possible kilns.

A bench mark of 4.10m OD was located to the east on New Lane.

## Results

### 1. Evaluation

#### Trench 1 (Fig. 3; Pls 2 and 3)

Trench 1 was excavated through 0.17m of grey brown clayey silt topsoil **100** which overlay **101** a dark brown grey clay silt. This in turn overlay layer **112** a yellow brown clay, and **108** which was a mixed layer comprising bands of black charcoal, ash and red brown burnt sand and light brown sands. Layer **108** was 0.10m thick and extended beyond the northern limits of the trench. It could represent kiln rake out or may just be domestic in origin. In the south-west end of the trench layer **111/116** represented the sub-soil and was a 0.40m thick grey brown silty clay. At the north end of the trench layer **104** a light brown orange silty clay, overlay **109** a pale brown clayey silt. This overlay the natural **124**, a light brownish orange clay.

Layer **111/116** and **109** was cut by ditch **126**. The section of ditch revealed in the trench appeared to have been running northwest/southeast and turned eastwards. However the trench size meant it was hard to ascertain the true course of the ditch. The ditch was U-shaped in profile and measured over 1.50m in width and 0.60m in depth, and contained the light grey silty sand **113**. It was then recut by a shallow ditch **105**, which contained the fills **110**, **114** and **102**. The lowest fill, **110** contained a sherd dating from the 17<sup>th</sup> to 18<sup>th</sup> century while the upper fill contained 19<sup>th</sup> to 20<sup>th</sup> century pottery, which may represent the period of usage of the ditch. It is likely the earlier ditch **126** may date to the late 16th century as it cuts layer **111/116** which contained 16<sup>th</sup> to early 17<sup>th</sup> century pottery fragments. Layers **112**, **116/111**, **108**, **104**, **109** all contained charcoal material near the edges of the cut of ditches **126** and **105**, indicating charcoal and burnt material present in the ditch had leached into the surrounding soils. This suggests a kiln may have been located nearby, and the charcoal-rich kiln rake-out had spread into the ditch. At the north end of the trench pit or ditch **123** cut the natural **124**. It was not fully visible within the trench, but its yellow grey silty clay fill **120** contained a mixed group of pottery of medieval to early post medieval date, the latest sherds of which are likely to date to the 16<sup>th</sup> century.

#### Trench 2 (Fig. 4; Pl. 4)

Trench 2 was excavated through the brown grey silty sand topsoil **200** which overlay the sub-soils and flood deposits **201**, **243** and **202**. These overlay the natural **226** which was a yellow clay. **211** was a variation of the subsoil which was present in the south-west corner of the trench only and was a light brown clay with orange mottling. 21 features were revealed cutting the natural subsoil, including three ditches, four pits and fourteen postholes.

Several linear features were visible including the east/west aligned ditch **203** whose fill **204** contained



pottery of mid 15<sup>th</sup> to 16<sup>th</sup> century date. Contemporary with this was the north/south orientated ditch **227** which contained the fill **228**. Both these features shallowed and then disappeared to the west and south of the evaluation trench. Cutting the fills of these ditches was the large pit **205** and the postholes **234**, **232** and **238** (Pl. 5).

Pit **205** was located in the centre of the trench cutting the fill of ditches **203** and **227**. **203** contained pottery of 15<sup>th</sup> to 16<sup>th</sup> century date. The presence of several burnt deposits within the pit fills were suggestive of kiln activity led to the decision to change the evaluation to a full excavation (Fig. 5). Pit **205** measured 3.5m x 2.7m, was oval in plan and orientated east/west. It contained several thin layers which included the light grey clay **330** at its base which contained a sherd of pottery of 15<sup>th</sup> to 16<sup>th</sup> century date, above this were the layers **329**, **328**, **327**, **326**, **288**, which also contained pottery dating from the mid 15<sup>th</sup> to 16<sup>th</sup> century. These deposits formed alternating layers of grey silty ash deposits and dark brown/red-brown sands with inclusions of charcoal and burnt clay. While the pit is unlikely to represent a kiln, it is likely to be connected with the pottery industry and may have been used for the extraction of clay and subsequently been used as a dump for burnt material (Fig. 6; Pl. 6 and 7). Following this, layers **287**, **283**, **253** and **244** accumulated, which are all silt layers possibly representing the end of the use of the pit for its original purpose followed by the continual silting up of the pit. Layers **287** and **253** contained pottery of 15<sup>th</sup> to 16<sup>th</sup> century date. The pit then appears to have been recut. Its recut, **250** was much shallower and contained the fills **252**, **207**, **206**, **208** which were dark grey silty clay fills with inclusions of silty sand, charcoal fleck, fired clay and small stone inclusions. The fills of the recut contained pottery dating from the 15<sup>th</sup> to 19<sup>th</sup> centuries. These were overlain by the light silty sand fills **209** and then **210**, which may represent the gradual silting up of the hollow left by the pit. These upper layers were then cut by the postholes **218** and **216** which contained fills **219** and **217**.

To the southwest of this feature were the postholes **220** and **238** while to the south were **245** and **247**, and to the east were postholes **234** and **232** with **249** just to the north and **236** to the south of them. It is likely these could have formed a structure such as a windbreak connected with the use of the pit. To the west of **205** was the shallow elongated pit **229** which was cut by posthole **241** which lay directly next to posthole **222**. To the east of this was posthole **214** which was not fully visible within the trench. It cut the localised deposit **231** a mid to dark grey silty clay, while posthole **224**, which lay just to the east was sealed by it. Also in this part of the trench was the east/west aligned ditch **212** which contained the fill **213** and a field drain. This feature was not fully exposed within the evaluation trench but is likely to represent the edge of ditch **256** revealed in the subsequent excavation. A recent land drain crossed the north-east corner of the trench.

#### **Excavation** (Fig. 5; Pl. 8)

An excavation area measuring 20m x 30m was opened up to the south and west of Trench 2. A further 33 features were revealed cutting the natural layer **226**. The natural was exposed beneath the layers **200**, **201**, **243** and **202** already discussed above.



Thirteen of these features proved to be linear features which ran north/south or east/ west. The largest of these was the east/west aligned ditch **255** which dissected the excavation area (Fig. 7; Pl. 9). Many of the north/south aligned ditches ran into it. It measured 2.50m wide and 0.50m deep and had a concave profile with gradual sloping sides and a flat base. It contained a waterlogged orange grey sandy silt **341** at its base which was overlain by the mid grey silty fill **254/290** and **342**. It was likely the eastern half of the ditch had been recut at some point as it appeared wider than the western half, however this was not visible in section.

Features **266** and **267** represented the shallow and truncated remains of two east/west aligned ditches which were located running parallel to each other in the northern half of the excavation area. It is likely they represented the continuation of ditch **203** which was seen in evaluation Trench 2. Both ditches were very shallow with concave profiles and contained the sandy clay fills **317** and **318**. **256** was a truncated linear feature also running east/west, seen at the eastern edge of the excavation area, it is likely it is the continuation of ditch **212** seen in the south eastern corner of evaluation Trench 2 and contains the fill **284** which contained pottery of 18<sup>th</sup> to 19<sup>th</sup> century date. In the southern half of the excavation area feature **337** represented a stone filled field drain which ran across the site and was joined by the north/south aligned drain **270**, which contained the fill **316** which contained 18<sup>th</sup> to 19<sup>th</sup> century pottery. In the south of the area was ditch **281** which also ran east/west, it had a concave profile with a maximum depth of 0.40m and contained the fills **306**, **307** and **308**. South of this and only partly visible in the excavation area was pit **285** which contained the fills **286** and **292** which contained 13<sup>th</sup> to 15<sup>th</sup> century pottery.

The north/south aligned ditches, included **265** at the west of the excavation area which contained **301** and joined the east/west orientated ditch **255** to the south. This ditch contained 19<sup>th</sup> to 20<sup>th</sup> century pottery and was a recut of the earlier ditch **275** which was on the same alignment and contained **302**, it was only visible at the very north of the excavation area. To the east was ditch **264** which was visible for 10m running from the northern excavation edge to join **255** to the south. It was 0.90m wide and 0.24m deep with a shallow concave profile. It contained the fill **312** a brown grey sandy clay. This ditch had been cut by ditch **263** which was located immediately east of it and may have acted as a replacement for the ditch possibly after it had silted up. **263** was slightly larger measuring 1m wide and 0.40m deep with a U-shaped profile. It contained the fill **311** which contained pottery of 15<sup>th</sup> to 16<sup>th</sup> century date. Ditch **263** cut the earlier pit **279** which contained the single fill **319** and 15<sup>th</sup> to 16<sup>th</sup> century pottery. Both ditches **263** and **264** were cut by the sub-rectangular pit **278**. This had vertical sides and a flat base and measured 2m x 1.10m x 0.35m deep. It contained a yellow sand fill **309**. This pit was cut by the postholes **277** and **310** (Fig. 8; Pl. 10). **296** represented a large ditch which was partially visible in the south-west corner of the excavation area and which joined ditch **255**. It contained the waterlogged silty clay fills **297**, **298** and **299**. The lowest fill **299** contained 13<sup>th</sup> to 15<sup>th</sup> century pottery and above it **297** contained 14<sup>th</sup> to 17<sup>th</sup> century pottery. Ditches **296** and **255** both cut the earlier pit **268** which was only partly visible at the point where these two ditches joined. It



contained the mid brown grey clay **291** which produced 15<sup>th</sup> to 16<sup>th</sup> century pottery.

Several features cut the fills of ditch **255** these included **269** the cut for the circular brick lined well **314** which was filled with a brown grey clay **315**. The brick from the well dates from the 16<sup>th</sup> to 18<sup>th</sup> century. The date of the well suggests it was constructed after the initial cut of the ditch had silted up and prior to the later recut which resulted in the widening of the eastern portion of the ditch. Several postholes also cut ditch **255** and four were located in a group in the middle of this feature and could represent structures relating to the use of the well just to the west. These included **271**, **272**, **273** and **274** (Pls 11 and 12). Further pits and postholes were seen near the east of the excavation area including the pit **282**, which was sub-oval with a depth of 0.23m and contained the fill **324**. **258** was a circular posthole with vertical sides and a concave base which contained fill **339** which contained pottery of 19<sup>th</sup> century date (Pl. 13). Immediately east of this was the smaller posthole **259** which was also circular and contained **333** (Pl. 14). East of this was the posthole **257** which was 0.35m in diameter, 0.06m deep and contained the fill **332**.

Towards the northern edge of the excavation area was the posthole **261** which was circular in plan measuring 0.33m in diameter and 0.09m deep, it contained fill **325**. North-west of this and only partly visible within the excavation area was the pit **280** which was sub-rectangular measuring 1m x 0.80m wide x 0.50m deep and contained **331**. Posthole **276** contained **334** and was located in the southern half of the excavation area (Pl. 15). Several other features were excavated which were subsequently identified as natural deposits. **304** may have represented root disturbance, while **294** and **343** were natural features containing deposits of light to mid grey brown silty clay similar to **211** seen in evaluation Trench 2. Several similar areas of moist or waterlogged clay were revealed within the natural across the site.

### Discussion

Evaluation Trench 1 contained significant deposits of charcoal and burnt material probably representing kiln rake out which was dumped in the ditches **126** and **105**. Associated pottery was 15<sup>th</sup> to 16<sup>th</sup> century in date. There was no direct evidence of kiln activity within the trench itself however a mound to the northeast of the evaluation trench and outside the development area could represent the remains of a substantial kiln structure. In Trench 2 a large pit **205** was identified as a possible kiln. However investigation suggested it was more likely to represent a pit which may have been dug for the extraction of clay and was subsequently used for the dumping of deposits of burnt material. The pit is not likely to represent a kiln itself as there was no evidence of intense burning in situ, no flues and only a relatively small collection of pottery. Pit **205** cut a linear feature containing 15<sup>th</sup> to 16<sup>th</sup> century pottery and its lower fills contained pottery of a similar date suggesting this was the period of its construction and use, which coincides with the date of the ditch in Trench 1. The pit had been recut probably in the 17<sup>th</sup> to 19<sup>th</sup> century which also coincides with the re-cutting of the ditch in Trench 1 possibly suggesting a resurgence of activity in this period.



The postholes **238, 220, 247, 245, 234, 222** located near pit **205** may have formed a structure around it. Further south pits/postholes **214, 224** and **257** may be evidence of a fenceline, parallel to the ditch **255**. It is possible that some of the ditches in this corner may have formed a property boundary around the area of pottery related activity. A network of agricultural field drains and ditches were also present which yielded pottery ranging in date from the 13<sup>th</sup> to 20<sup>th</sup> century. There was evidence of the ditches being recut over time so it is likely they were constructed in the middle of the medieval period and continued in use up until the 20<sup>th</sup> century.

The expansion of the area of investigation during the excavation phase did not reveal any kilns or any similarly sized pits. It is possible that anomalies seen in the geophysics and identified as potential kilns could have been caused by variations in the natural which occurred in the form of waterlogged clay areas such as **211** and **294** and **296**.

### **Conclusion**

The excavations revealed evidence for pottery production dating to the 15<sup>th</sup>/16<sup>th</sup> centuries. However there were no kiln structures or waster heaps and the area is probably on the periphery of any pottery production site.

Matthew Jordan  
Lindsey Archaeological Services  
May 2005

### **Acknowledgements**

LAS would like to thank Anglian Water for their help. The pottery report was by Jane Young. This report was edited and collated by Naomi Field.

### **Site Archive**

Context sheets: 166

Plans: 11

Sections: 35

Correspondence

Photographs: LAS film nos. 04/72, 04/77, 04/66, 04/65

Specialist reports: Pottery report by Jane Young



**APPENDIX 1**



## Appendix 1

### Toynton St. Peters (TSPS 04) Context Summary

Context No	Type	Description
<b>Trench 1</b>		
100	Layer	Topsoil: Dark grey brown clay silt, occasional stone inclusions
101	Layer	Subsoil: Dark brown grey clay silt, occasional charcoal fleck
102	Fill of 105	Yellow brown and grey brown clay, occasional charcoal and pebble inclusions
103	Layer	Grey brown clay silt, moderate charcoal inclusions
104	Layer	Light brown orange silty clay and mid grey silty clay
105	Cut	Ditch (Contains 110, 115, 114, 118, 117, 102) (recut of 126)
106	-----	-----
107	-----	-----
108	Layer	Bands of black charcoal, ash, red brown sand and light brown sand
109	Layer	Light brown clayey silt
110	Fill of 105	Yellow brown silty clay
111	Layer	Same as 116
112	Layer	Yellow brown clay
113	Fill of 126	Light grey silty sand with wood and charcoal inclusions
114	Fill of 118	Dark grey organic silt and yellow brown clay
115	----- ?	-----
116	Layer	Grey brown silty clay occasional pebbles (same as 111)
117	-----	-----
118	-----	-----
119	-----	-----
120	Fill of 123	Yellow grey silty clay
121	-----	-----
122	-----	-----
123	Cut	Pit/ditch (Contains 120)
124	Natural/ Layer	Brown orange clay occasional gravel inclusions
125	-----	-----
126	Cut	Ditch (Contains 113) (recut of 106)
<b>Trench 2 and Excavation</b>		
200	Layer	Brownish grey silty sand, moderate pebble inclusions
201	Layer	Yellow sand with brown silty clay
202	Layer	Grey brown silty clay, occasional charcoal fleck
203	Cut	Ditch (Contains 204)
204	Fill of 203	Brownish grey silty clay
205	Cut	Pit
206	Fill of 205	Dark grey silty clay, occasional charcoal fleck
207	Fill of 205 ? 250	Mid - dark grey silty clay with fired clay, charcoal fleck and pebble inclusions
208	Fill of 205 ? 250	Mid grey silty sand, charcoal fleck, fired clay and small stone inclusions
209	Fill of 205	Yellow sand mixed with brown silty clay
210	Fill of 205	Light to mid grey silty sand, inclusions of charcoal fleck.
211	Layer	Light brown clay with orange mottling
212	Cut	Modern feature



213	Fill of 212	Mid – dark silty clay, inclusions of sandstone fragments and charcoal fleck
214	Cut	Posthole
215	Fill of 215	Grey silty clay and light brown clay
216	Cut	Posthole (within 205)
217	Fill of 216	Light – mid grey silty clay
218	Cut	Posthole (within 205)
219	Fill of 218	Light – mid grey silty clay
220	Cut	Posthole
221	Fill of 220	Mix of light – mid grey silty clay and light brown clay
222	Cut	Pit
223	Fill of 222	Mix of yellow clay and mid grey silty clay
224	Cut	Posthole
225	Fill of 224	Light – mid grey silty clay
226	Natural	Yellow clay, inclusions of stone, flints
227	Cut	Ditch
228	Fill of 227	Light – mid grey brown silty clay
229	Cut	Gully
230	Fill of 229	Mid brown grey silty clay
231	Layer	Mid – dark grey silty clay
232	Cut	Posthole
233	Fill of 232	Light – mid grey silty clay
234	Cut	Posthole
235	Fill of 234	Mid – dark grey silty clay
236	Cut	Posthole
237	Fill of 236	Mid grey silty clay
238	Cut	Posthole
239	Fill of 238	Mid – dark grey silty clay
240	Fill of 214	Dark grey silty clay
241	Cut	Posthole
242	Fill of 241	Mix of yellow clay and mid grey silty clay
243	Layer	Orange grey silty sand, frequent pebble inclusions
244	Fill of 205	Light grey silty clay, orange mottling
245	Cut	Posthole
246	Fill of 245	Mid brown grey silty clay, inclusions of yellow clay
247	Cut	Posthole
248	Fill of 247	Mix of yellow clay and grey silty clay
249	Cut	Posthole
250	Cut	Pit, recut of 205 (contains 252, 207, 208)
251	Fill of 249	Mid – light brown grey silty clay
252	Fill of 250	Mid – dark blue grey silty clay, occ inclusions of charcoal fleck, fired clay and yellow clay
253	Fill of 205	Dark grey clay silt, frequent inclusions of yellow orange clay, charcoal and occasional pebbles.
254	Fill of 255	Mid grey silt with inclusions of mid brown clay, gravel and charcoal fleck(same as 290)
255	Cut	Ditch
256	Cut	Ditch
257	Cut	Pit
258	Cut	Posthole
259	Cut	Posthole
260	Layer/ Natural	Moist orange silty sand, frequent gravel inclusions
261	Cut	Posthole
262	-----	
263	Cut	Ditch
264	Cut	Ditch
265	Cut	Ditch



266	Cut	Ditch
267	Cut	Ditch
268	Cut	Pit
269	Cut	Well
270	Cut	Ditch
271	Cut	Posthole
272	Cut	Posthole
273	Cut	Posthole
274	Cut	Posthole
275	Cut	Ditch
276	Cut	Posthole
277	Cut	Posthole
278	Cut	Pit
279	Cut	Pit
280	Cut	Pit
281	Cut	Ditch
282	Cut	Pit/posthole
283	Fill of 205	Friable yellow orange silty sand, frequent inclusions of red brown mottling
284	Fill of 256	Dark brown grey sandy silt, occasional patches of brow clay and inclusions of charcoal fleck.
285	Cut	Ditch
286	Fill of 285	Mid grey brown clay
287	Fill of 205	Mid grey silty sand
288	Fill of 205	Dark brown to red brown silty sand
289	-----	-----
290	Fill of 255	Mid brown grey sandy clay, orange mottling (same as 254)
291	Fill of 268	Mid brown grey clay with occasional orange mottling
292	Fill of 285	Mid brown clay
293	Fill of 282	Same as 324
294	Cut	Natural feature
295	Fill of 294	Light-mid grey brown silty clay.
296	Cut	Ditch
297	Fill of 296	Mid brown grey clay, occasional orange mottling
298	Fill of 296	Mid – dark grey clay sand inclusions of yellow sand
299	Fill of 296	Grey silty clay
300	Fill of 266	Grey brown sandy silt
301	Fill of 265	Mid brown grey sandy clay
302	Fill of 275	Grey sand
303	Fill of 277	Orange grey mottled silty sand
304	Cut	Root disturbance
305	Fill of 304	Blue grey clay
306	Fill of 281	Mid orange brown sandy clay
307	Fill of 281	Mid – light orange brown clay sand
308	Fill of 281	Mid – dark brown clay silt
309	Fill of 278	Grey yellow medium sand
310	Cut	Posthole
311	Fill of 263	Light grey clay with orange brown mottling
312	Fill of 264	Brown grey sandy clay
313	Fill of 310	Mid grey sandy silt
314	Masonry	Fill of 269, Well
315	Fill of 269/314	Mid brown grey clay
316	Fill of 270	Dark grey black silty clay
317	Fill of 267	Mid – dark brown sandy clay
318	Fill of 266	Mid grey brown sandy clay
319	Fill of 279	Brown grey silty clay, occasional charcoal fleck
320	Fill of 271	Medium yellow sand occasional patches of grey sand



321	Fill of 272	Mix of yellow sand and grey brown clay sand
322	Fill of 273	Mid – dark brown grey sandy clay, occasional charcoal fleck
323	Fill of 274	Compact yellow clay
324	Fill of 282	Mid brownish grey sandy clay
325	Fill of 261	Mid brownish grey sandy clayey silt
326	Fill of 205	Dark grey silty sand, moderate charcoal inclusions
327	Fill of 205	Dark brown to red brown sand
328	Fill of 205	Dark grey silty sand, moderate charcoal inclusions
329	Fill of 205	Dark brown to red brown silty sand
330	Fill of 205	Light grey clay
331	Fill of 280	Grey brown clay
332	Fill of 257	Mid brown sandy silt
333	Fill of 259	Grey brown silty sand
334	Fill of 276	Grey silt, occasional charcoal fleck and gravel inclusions
335	Cut	Pipe trench
336	Fill of 335	Dark brown silty sand
337	Cut	Field drain
338	Fill of 337	Mid brown silty sand
339	Fill of 258	Mid – dark brown silty clay
340	Layer	Compact brown orange sandy silt
341	Fill of 255	Orange grey sandy silt
342	Fill of 255	Mid grey brown sandy silt, only visible in eastern section of site
343	Cut	Natural feature
344	Fill of 343	Light-mid grey brown silty clay.



**APPENDIX 2**



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REPORT ON THE POTTERY FROM AN EVALUATION AND EXCAVATION FOR  
THE NEW VACUUM MAINS SEWERAGE SCHEME, TOYNTON ST PETER,  
LINCOLNSHIRE (TSPSO04)

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*Jane Young*

## INTRODUCTION

In total, three hundred and fifty-eight sherds of pottery representing a maximum of three hundred and four vessels were submitted for examination. The assemblage was quantified by three measures: number of sherds, weight and vessel count within each context. Fabric identification of some of the pottery was undertaken by x20 binocular microscope. The Toynton-type wares have been subdivided into lettered fabric groupings, in an attempt to understand the complexities of attributing a source to and dating featureless body sherds. Eight new fabric groups (P to W) had to be created for the Toynton wares from this site (TOY and TB) and appropriate sherds have been added to the Fabric type series. The ceramic data was entered on an Access database using fabric codenames agreed locally and nationally.

## CONDITION

The pottery is mostly in a slightly abraded to abraded condition with sherd size mainly falling into the small to medium size range (below 50 grams). In total forty-five vessels are represented by more than one sherd with only one vessel having cross-context joins. Thirty-one vessels are kiln wasted and at least a further eleven vessels appear to be misfired. Also a number of vessels still have spacer sherds adhering to them - these would normally be removed before sale. Few vessels have external soot residues and most of these appear to be post-depositional.

## OVERALL CHRONOLOGY AND SOURCE

A range of nineteen different, identifiable post-Roman pottery ware types were identified, the type and general date range for these fabrics are shown in Table 1. The post-Roman pottery ranges in date from the late medieval to early modern periods. A range of vessel form types was recovered including examples of bowls, jugs, jars, drinking vessels, dishes, cups, bunghole vessel and an unusual large dish.

### Medieval

Overall, only forty-four of the pottery vessels recovered from the site can be dated to the medieval period, between the late 13<sup>th</sup> and 15<sup>th</sup> centuries. With the exception of one North Yorkshire Whiteware jug (NYW) from context 254 all of the medieval vessels are jugs or jars in Toynton Medieval ware. Most of the sherds found were featureless body sherds from jugs or jars. The few identifiable vessel types are jugs, bowls, jars and a dripping dish. Only one of these vessels (a jug sherd from context 244) is decorated. Similar decorated jugs were recovered from Kiln 1 (the 'Roses Kiln'), thought to date to between the late 13<sup>th</sup> and early 14<sup>th</sup> centuries, however, more recently it has been recognised that iron-rich decorated strips are a feature of Toynton ware throughout the 14<sup>th</sup> century and possibly into the 15<sup>th</sup> century. None of the remaining vessels have distinctive attributes that enable them to be placed within a tighter date spans than that given to the general ware type (late 13<sup>th</sup> to 15<sup>th</sup> century). Most of the vessels are



in Fabrics A or B, nine are in the new Fabrics P to W (defined on this site) and the remaining vessels are odd occurrences in Fabrics C to M. Six of the vessels are wasters, two in Fabric A, and one each in Fabrics B, D, M and Q, suggesting that they may have been made in the vicinity of the site.

Table 1: Pottery codenames and date range with total quantities by sherd and vessel count

codename	full name	earliest date	latest date	sherds	vessels
BERTH	Brown glazed	1550	1800	21	15
BL	Black-glazed wares	1550	1750	14	12
CIST	Cistercian-type ware	1480	1650	5	5
CREA	Creamware	1770	1830	26	25
FREC	Frechen stoneware	1530	1680	4	4
GRE	Glazed Red Earthenware	1500	1650	9	8
LERTH	Late earthenwares	1750	1900	1	1
LHUM	Late Humber-type ware	1550	1750	2	1
NCBW	19th-century Buff ware	1800	1900	4	3
NOTS	Nottingham stoneware	1690	1900	7	6
NYW	North Yorkshire whiteware	1250	1550	1	1
PEARL	Pearlware	1770	1900	1	1
PGE	Pale Glazed Earthenware	1600	1750	2	2
STSL	Staffordshire/Bristol	1680	1800	4	4
TB	Toynton/Bolingbroke	1450	1750	194	159
TGW	Tin-glazed ware	1640	1770	2	2
TOY	Toynton Medieval Ware	1250	1450	47	42
TPW	Transfer printed ware	1770	1900	8	7
WHITE	Modern whiteware	1850	1900	6	5

#### Late Medieval to Post-medieval

The majority of the vessels recovered from the site are in Post-medieval Toynton/Bolingbroke ware (TB with 169 vessels). Similar pottery was produced at both Toynton and Bolingbroke from about the mid 15th century onwards. Potters are thought to have moved to Bolingbroke from Toynton in this period. Production of the ware at Bolingbroke, where it continues into the 17th century, certainly post-dates that at Toynton. The latest pottery previously thought to have been produced at Toynton was recovered from kiln 2, a five-flued brick-built kiln dated to between the late 15th and early/mid 16th centuries. The associated imports from this site suggest, however, that production at Toynton St. Peter continued into the second half of the 16th century, or, possibly as late as the early 17th century.

A range of seventeen Toynton/Bolingbroke ware fabrics was found on the site (Table 2). Five of these fabrics (Fabrics P, S, T, U and V) were newly defined on this site and have not as yet been recognised elsewhere. The most common fabric to occur is Fabric T, followed by Fabrics A, D, M and P. It is unusual to find post-medieval vessels in Fabric A as this is the most common fabric type to be found amongst vessels believed to come from the late 13th to early 14th century 'Roses' kiln. The range of vessel types is limited (see Table. 2), although there is a range of sizes within each form type. Most sherds are undiagnostic of a specific form-type, however it was usually possible to assign them to one of two forms on the basis certain attributes present. The most common identifiable form to be found is the bowl, with thirty-eight vessels being identified. Sixteen of the bowls are in Fabric T, eight of which were found in the fills of pit



205 or it's recut 250. Given the similarity of these vessels it is probable that they originated from the same production unit. An unusual small bowl with an upright rim in Fabric A, was recovered from context 254 along with a small conical lid (also Fabric A) and a unique large shallow dish (probably Fabric M). The dish, with a rim diameter of 30cm, appears to have cracked during firing and is of an unknown type. The interior of the base has a complex design of incised lines and stabbing. Unless the dish were used as a mould for a dry substance such as shortbread or an old fashioned gingerbread, it is unlikely that this is functional, as the design is too shallow. None of the other Toynton/Bolingbroke vessels are decorated. There is insufficient profile of any of the jars or jugs to compare to known kiln or occupation material and therefore the vessels can only be dated to within the general currency for the ware. The large bowls are more typical of those found in 16th century occupation deposits in much of Lincolnshire, although they could date back to the end of the 15th century.

Table 2: Toynton/Bolingbroke Fabric counts by vessel form-type and vessel count

form type	A	B	C	D	E	F	G	H	I	M	N	N/D	O	P	S	T	U	V	Total vessels
jug	1		3	3	1			2	1		2						1	2	16
large jug		1								2				1		1			5
small jug								1							1	1			3
jug/jar	6	4	3	5	1	3	1			3	2			3	2	4	4	1	42
large jug/jar	2			2		1				3				1		2			11
small jug/jar													1						1
jar	2							2								1			5
large jar											1								1
small jar		1		1												2			4
jar/bowl	2																1		3
large jar/bowl	1			1							1								3
handled jar/bowl			1									1							2
bowl	1		2	3					1	1			1	2	1	1			13
large bowl	1		1	2		1				6	3		1	7		15			23
small bowl	2																		2
large shallow dish										1									1
bunghole vessel													1						1
cup ?															1				1
mug/small jug													1						1
lid	1			1															2
large vessel														1		2			3
unknown	1									1				1					3
Total vessels	20	6	11	18	2	5	1	5	2	17	9	1	5	16	8	28	6	1	

Twenty-five of the Toynton/Bolingbroke vessels are distorted wasters or have cracked during firing. Eight of these vessels are in Fabric T and four are in Fabric A. At least another six vessels are obviously misfired and given that the proportion of obvious waste material in waster dumps is usually quite low, it seems reasonable to assume that most of the sherds recovered from this site do in fact represent waste rather than domestic pottery.



# Ceramic Glossary (TSPS04)

<b>cname</b>	<b>full name</b>	<b>earliest date</b>	<b>latest date</b>
BERTH	Brown glazed earthenware	1550	1800
BL	Black-glazed wares	1550	1750
CIST	Cistercian-type ware	1480	1650
CREA	Creamware	1770	1830
FREC	Frechen stoneware	1530	1680
GRE	Glazed Red Earthenware	1500	1650
LERTH	Late earthenwares	1750	1900
LHUM	Late Humber-type ware	1550	1750
NCBW	19th-century Buff ware	1800	1900
NOTS	Nottingham stoneware	1690	1900
NYW	North Yorkshire whiteware	1250	1550
PEARL	Pearlware	1770	1900
PGE	Pale Glazed Earthenware	1600	1750
STSL	Staffordshire/Bristol slipware	1680	1800
TB	Toynton/Bolingbroke wares	1450	1750
TGW	Tin-glazed ware	1640	1770
TOY	Toynton Medieval Ware	1250	1450
TPW	Transfer printed ware	1770	1900
WHITE	Modern whiteware	1850	1900



# Pottery Archive Toynton St Peter (TSPS04)

Jane Young

context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
100	NOTS		hollow	1	1	17		base			
100	BERTH		bowl ?	1	1	18		BS		late 16th+	
100	TB	P	bowl	1	1	24		rim			
100	TB	A	large jug/jar	1	1	68		BS			
100	TOY	F	jug/jar	1	1	12		BS		abraded	
101	TB	P	jug/jar	1	1	21		BS			
101	TB	D	jug/jar	1	1	27		base		oxid fabric with red ext surfaces;wire marks;ext basal edge worn	
102	CIST		cup	1	1	4		BS			
102	TB	A	bowl/jar	1	1	160		base		worn int	
103	TOY	A	jar ?	2	1	47		base		slightly abraded	
103	TB	M	large bowl	1	1	117		rim		wide ridged everted rim;part soot ext;stacking scar	
103	TB	P	large bowl	1	1	76		rim		hooked rim;abraded int	
103	TB	H ?	jar	1	1	55		rim		looks like a LHUM !;int & ext glaze	
104	TB	N	large jar	1	1	70		rim		waster ?;stacking scar on rim	



context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
104	TB	B	jug/jar	1	1	12		BS			
104	TOY	P	jug/jar	1	1	27		base		soot	
104	TB	C	jug ?	1	1	7		BS			
104	TB	P	?	1	1	30		BS		mortar ?;overfired ?	
104	TB	D	bowl	1	1	13		BS		int glaze	
104	TOY	Q	jug/jar	1	1	15		BS		light firing;to fabric type series	
104	TB	A	large bowl	1	1	45		rim		sloping rim;int glaze;to fabric type series	
104	NOTS		?	1	1	46		base			
104	TB	P	large vessel	1	1	168		base		thick heavy form;int glaze	
110	BL		large bowl	1	1	6		BS			late 17th to 18th
111	TB	C	bowl	1	1	37		rim		sloping rim;int glaze	
111	TB	N	jug	1	1	29		BS		int soot;part ext glaze	
111	TB	M	?	1	1	4		BS			
111	TB	D	large bowl	1	1	77		rim		hooked rim;splashed glaze ext;spalled/worn int glaze	
111	TB	O	large bowl	1	1	143		base		int glaze;soot over one break	
111	TB	P	large bowl	1	1	83		rim		hooked rim;spalled/worn int glaze	
114	TPW		small drug jar	1	1	133	Nature's Herbal Ointment Fred W Hale etc	complete		Chandos Covent Garden London	
116	TB	P	large bowl	1	1	189		rim		hollow sloping rim	
116	TB	H	small jug	1	1	48		neck		cracked during firing	



context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
116	TB	F	large bowl	1	1	103		rim		hooked rim	
116	TOY	B	jar ?	1	1	11		BS			
116	TB	D	jug/jar	1	1	14		BS		int & ext glaze	
116	TB	O	small jug/jar	1	1	18		BS			
116	TB	M	large bowl	1	1	32		BS			
116	TB	D	bowl	2	1	151		base		base sherd of another vessel stuck to underneath	
116	TOY	A	bowl	1	1	39		BS			
116	TB	M	large bowl	1	1	65		base		soot on broken edge	
116	TB	D	jug	1	1	79		handle		grooved & pinched strap handle	
116	TB	C	bowl	1	1	42		base			
116	GRE	calcareous clay	large bowl ?	1	1	72		base		very thick	
116	TB	M	bowl	1	1	58		rim		upright rim	
116	TB	C	large bowl	1	1	225		rim		broad everted rim;soot over break;soot int & part ext	
116	TOY	B	small jug/jar	1	1	12		base		abraded	
120	TOY	F	jug	1	1	15		base		wear mark on basal edge	
120	TOY	F	jug/jar	1	1	6		BS		soot	
120	TOY	I	jug/jar	1	1	21		BS		abraded	
120	TB	N	large bowl	1	1	32		rim		everted rim;type sherd to type series	
120	TB	C	jug	1	1	53		handle		red ext surface	
120	TOY	D	jug/jar	1	1	56		base		waster;abraded	



context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
120	TB	I	bowl	1	1	43		base		internal glaze	
120	TB	E	jug/jar	3	1	53		BS		glaze;internal deposit;soot	
120	TOY	A	dripping dish	1	1	109		profile		abraded;handle scar ?;soot	
120	TB	D	small lid ?	1	1	6		rim		unglazed	
120	TB	D	jug/jar	2	1	16		BS		glaze int & ext;1 sherd to fabric type series	
120	TOY	A	small vessel	1	1	4		BS		glaze int & ext	
120	TB	N	jug/jar	1	1	18		BS		type sherd;sherd to fabric type series	
120	TB	C	jug/jar	2	1	27		BS		glaze int;sherd to fabric type series	
200	BERTH		large bowl	1	1	44		BS		17/18th	
200	BERTH		bowl ?	1	1	9		BS		17/18th	
200	BL		?	1	1	5		BS		late 17/18th	
204	TB	P	large jug	1	1	39		BS			
204	TB	O	bowl	1	1	34		BS			
206	TB	T	jug/jar	1	1	43		BS		cracked during firing ?	
206	TB	N	jug	1	1	6		BS			
206	TB	A	large jar/bowl	3	1	42		BS		thick int glaze;cracked during firing	
206	TB	D	large jar/bowl	1	1	57		base		thick int glaze	
206	TB	T	large jug/jar	1	1	89		base		soot int ext & over break	
206	TB	T	jar/bowl	1	1	61		base		waster;broken in kiln	
206	TB	N	large jar/bowl	1	1	30		BS			



context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
206	TB	T	jug/jar	1	1	3		BS			
206	TOY	P	large jug	1	1	85		base		misfired glaze with lead pellets;late med/epm	
206	TB	T	bowl	1	1	6		BS			
206	TOY	B	jug/jar	1	1	5		BS			
206	TB	T	jug/jar	1	1	8		BS		cracked during firing ?	
206	TB	B	jug/jar	1	1	7		BS			
206	TB	A	jug/jar	1	1	6		BS			
206	TB	A	jug/jar	1	1	7		BS			
206	TB	M	jug/jar	1	1	21		BS		cracked during firing	
206	CIST		cup	1	1	4		BS			
206	TB	N	jug/jar	1	1	9		BS			
206	TOY	A	small jug/jar	2	1	110		base		waster;broken in kiln;late med/epm	
206	TB	body N handle D	handled jar/bowl	3	1	124		rim & UHJ		handle springs off rim;strap handle central finger groove;soot	
206	TB	D	small jar	1	1	55		base		worn int glaze;ext soot	
206	TOY	A	small jug/jar	1	1	64		base		waster;broken in kiln;spacer scar	
206	TB	D	large jug/jar	1	1	75		BS			
206	CIST	reverse fabric	lid	1	1	11	brown pads	knob		burnt	
206	TB	T	large bowl	1	1	1331		rim		hooked rim;overfired;to fabric type series	
206	BL	GRE	drinking vessel	2	1	9		BS			



context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
206	FREC		drinking jug	1	1	12		BS			
206	TOY	B	jug/jar	1	1	5		BS			
206	TOY	A	jug/jar	4	1	23		BS			
206	TB	P	large bowl	1	1	67		rim		sloping rim	
206	TOY	B	small jug	1	1	28		BS			
207	TB	B	large jug	1	1	191		BS		stacking scar of rim;abraded	
207	LHUM		bowl ?	2	1	12		BS			
207	TB	C	handled jar/bowl	1	1	58		BS		int glaze	
207	TB	S	cup ?	1	1	53		base		misfired int glaze	
207	TB	S	small jar	1	1	5		BS		int glaze;same as PMLOC A?	
207	STSL		press mould dish	1	1	33	moulded dec;tan & brown infill	BS			
207	TGW	light orange fabric	hollow	1	1	17		BS		very unusual;import ?;plain ext glaze purple mottled int	
207	GRE		bowl ?	1	1	12		BS			
207	BERTH		?	1	1	1		BS		17/18th	
207	TB	S	small jar	1	1	14		BS		soot;int glaze;same as PMLOC A?	
207	TB	S	small jug	1	1	8	neck cordon	BS		same as PMLOC A?	
207	TB	S	jug/jar	1	1	10		base		int soot;same as PMLOC A?	
207	TB	B	jug/jar	1	1	39		BS			
208	TB	A	jug	1	1	7		BS			



context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
208	TB	M	large bowl	1	1	185		rim		hooked rim;overfired;waster;glaze over break	
208	GRE		bowl	1	1	12		BS			
208	TB	H	jar	1	1	69		base		underfired;waster;int & ext glaze;? ID	
208	TB	A	large jug/jar	1	1	61		BS		waster	
208	TB	A	bowl/jar	1	1	12		BS		int glaze	
208	TB	P	jug/jar	1	1	28		BS			
208	GRE		bowl	1	1	57		rim		sloping rim;calcareous clay ?	
208	TB	A	jug/jar	1	1	6		BS			
208	TB	D	jug	1	1	6		BS			
208	TB	S	jar	1	1	18	multi horizontal grooves	base		to type series;vitrified purple fabric;as PMLOC A	
208	BERTH		bowl	1	1	52		BS		late 16th/17th	
208	BERTH		bowl	1	1	33		base		late 16th/17th	
208	GRE	fine calcareous clay	bowl/jar	1	1	61	multi horiz grooves above basal edge	base			
208	GRE		large bowl	1	1	28		BS			
211	FREC		drinking jug	1	1	13		BS			
211	TOY	A	small jug	1	1	37		LHJ		3 lower thumbbed joins	
211	TOY	M	jug/jar	1	1	10		BS		abraded	
213	WHITE		hollow	1	1	10		BS			
213	NCBW		bowl	1	1	3	slip banded	rim			



context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
213	BERTH		large bowl	3	1	125		rim & BS		18th	
213	BERTH		large bowl	1	1	65		rim		18th	
213	NOTS		?	1	1	3		base			
213	BL		bowl	1	1	8		BS		late 17/18th	
213	BL		large bowl	2	1	147		base & BS		18/19th	
213	CREA		small dish	1	1	25		BS			
213	CREA		small bowl	1	1	8		rim		beaded	
213	NCBW		dish ?	2	1	30	slip banded	rim & BS			
244	TOY	B	jug	1	1	2	applied fe strip	BS			
244	TB	S	jug/jar	1	1	7		BS			
252	TB	T	large bowl	1	1	102		base	vessel 1	waster	
252	TB	A	jar	1	1	22		rim		square everted rim;waster	
252	TB	O	mug/small jug	1	1	37		base		int glaze;waster;cracked during firing	
252	WHITE		drug jar	1	1	95		BS			
252	TB	T	large bowl	1	1	150		rim	vessel 1 ??	hooked rim;soot over breaks	
252	TPW		flat	1	1	19		base			
252	TB	T	large bowl	5	1	540		base			
252	TB	D	large jug/jar	1	1	16		BS			
252	TB	P	large bowl	1	1	166		base		waster;soot over broken edge	
252	TB	P	large bowl	1	1	50		BS		slightly abraded	

context	ename	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
252	TB	T	large jug/jar	1	1	84		base		waster;glaze over break;broken during firing	
252	TB	T	jug/jar	1	1	58		base		waster;distorted;glaze over break;spacer scar	
252	TB	F	jug/jar	1	1	12		base		waster	
252	TB	F	jug/jar	1	1	22		BS			
252	TB	D	large bowl	2	1	309		rim		hooked rim	
253	TB	B	jug/jar	1	1	48		BS		internal deposit ?	
253	TB	T	large bowl	3	1	345		profile		hooked rim;waster cracked during firing	
253	TOY	C	small jug/jar	1	1	71		base		abraded;type sherd to type series	
253	TOY	B	small jug ?	1	1	2		BS			
253	TOY	B	jug/jar	1	1	33		BS			
253	TB	C	jug/jar	1	1	18		BS			
253	TB	T	jug ?	1	1	18		BS			
253	TB	H	jug ?	1	1	17		BS		misfired ?	
253	TB	U	jug/jar	1	1	118		base		beaded basal edge;soot over break	
253	FREC		small drinking jug	1	1	6		BS			
253	TB	M ?	jug/jar	1	1	24		BS			
253	TB	M	large bowl	1	1	118		rim		soot;hooked rim	
253	TB	T	large vessel	1	1	99		BS		2 bases welded together ?;one with internal glaze;spacer scar;waster;	
253	TB	T	large bowl	1	1	196		rim		soot;hooked rim	



context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
253	TB	F	jug/jar	1	1	34		BS			
253	TOY	W	jug/jar	1	1	17		BS			
254	TB	O	bunghole vessel	1	1	67		bung		plain bung	
254	TB	E	jug	1	1	49		rim		beaded flat top rim	
254	TB	A	small bowl	1	1	158		base		waster;cracked during firing;2 grooves above base;soot	
254	TB	S	bowl	1	1	34		rim		rolled rim	
254	TB	A	jug/jar	1	1	16	multi grooved	BS		waster;cracked during firing	
254	TB	N	large bowl	1	1	200		rim		everted rim	
254	CREA		?	3	3	15		base			
254	TB	T	large jug	1	1	48		LHJ			
254	TOY	C	jug/jar	1	1	23		BS			
254	TB	D	jug/jar	1	1	11		BS		abraded	
254	TB	B	small jar	1	1	17		BS		int & ext soot	
254	TB	D	jug/jar	1	1	10		BS			
254	TB	G	jug/jar	1	1	35		BS		soot	
254	TB	C	jug	1	1	23		BS		suspension glaze ?	
254	CREA		open	2	2	37		base			
254	BERTH		bowl	1	1	47		base		wear mark ext basal edge;17/18th	
254	CREA		hollow	1	1	12		BS			
254	TB	I	jug ?	1	1	6		BS		suspension glaze	

context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
254	BERTH		large bowl	1	1	98		rim		17/18th	
254	CREA		hollow	2	2	5		BS			
254	NOTS		jar ?	2	1	162		base & BS			
254	TB	M	large jug	2	1	335		base		multi stacking scars	
254	TB	A	lid;conical	4	1	150		profile	DR2	unglaze;abraded	
254	TB	A	small bowl	7	1	350		profile	DR1	rounded rim with 2 grooves below;groove above base;soot on rim edge;int glaze;wire marks on base	
254	PGE		bowl	1	1	16		BS		flaking int glaze;17/18th	
254	PGE		large bowl	1	1	89		rim		cracked during firing;late 17/18th	
254	BERTH		large handled jar	1	1	111		rim with UHJ		spacer scar;17/18th	
254	BL		bowl	1	1	52		rim		18/19th	
254	TB	T	large bowl	1	1	33		rim		waster;cracked during firing;hooked rim	
254	BERTH		jar ?	1	1	68		BS		int glaze;17/18th	
254	BERTH		bowl	1	1	28		BS		17/18th	
254	BERTH		small jug/jar	2	1	30		BS		abraded;int & ext glaze;17/18th	
254	BERTH		bowl	4	1	434		rim & base		white ext deposit with ? Cloth impression;17/18th	
254	NYW		jug	1	1	57		rod		grooved rod handle;cu glaze;very abraded	
254	TB	M ?	large shallow dish	1	1	1227	complex design on int base of incised lines & stabbing	profile	DR3	about 1/3 complete;rim diam 30cm;base diam 27cm;central hole(s) ?;cracked during firing ?	



context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
254	TB	N	large bowl	1	1	38		base			
254	GRE		small jar	2	1	93		base		stacking scar;soot;int & ext glaze;flaked interior	
254	CREA		hollow	2	1	3		BS			
254	TGW		small vessel	1	1	5		base		manganese speckled	
254	WHITE		dish	1	1	8		base		pearl ?	
254	WHITE		cup	2	1	10	overglaze paint	BS			
254	PEARL		dish	1	1	10	blue feather	rim			
254	TPW		hollow	1	1	7		BS		19th	
254	TPW		hollow	1	1	33		BS		19th	
254	TPW		large dish	1	1	36		rim		19th	
254	CREA		small bowl	1	1	16		base			
254	STSL		hollow	1	1	2	trailed	rim			
254	NCBW		hollow	1	1	9		BS			
254	TB	D	jug ?	1	1	6		BS		suspension glaze	
254	BL		drinking vessel	1	1	4		BS		17/18th	
254	STSL		press mould dish	1	1	9	3 colour joggled	BS			
254	CREA		bowl	1	1	92		base			
254	TB	M	jug/jar	1	1	26		base		spacer scar	
254	TB	A	bowl	1	1	22		BS			
254	TB	D ?	bowl ?	1	1	78		base		soot int ext & over break;comm rounde quartz	

context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
254	NOTS		hollow	1	1	14		BS			
254	CIST		cup	1	1	7		handle			
254	CIST		cup	1	1	6		BS			
254	CREA		dish	6	6	52		rims		plain	
284	CREA		?	1	1	13		base			
284	NOTS		hollow	1	1	5		BS			
284	CREA		dish	1	1	14		base			
284	CREA		?	1	1	4		base			
284	CREA		dish	1	1	13		rim			
284	CREA		?	1	1	2		base			
284	CREA		large flat	1	1	47		base			
284	BL		bowl	1	1	17		BS		late 17/18	
284	TPW		flat	1	1	7		base		early ?	
286	TOY	Q	bowl	1	1	62		rim		everted rim;spacer scar	
286	TOY	F	jug/jar	1	1	5		BS			
286	TOY	Q	small vessel	1	1	6		BS		waster;glaze over break;int glaze	
286	TOY	B	small jug/jar	1	1	10		BS			
286	TOY	F	jug/jar	1	1	23		BS			
286	TOY	M	jug/jar	1	1	28		base		waster;warped	
287	TB	P	jug/jar	2	1	139		BS		thin walled;int soot	
287	TB	P	bowl	1	1	118		BS			



context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
290	TOY	B	jug/jar	1	1	13		BS		waster;cracked during firing;abraded	
291	TB	F	large jug/jar	2	1	105		base & BS			
291	TB	U	jug/jar	1	1	14		BS		int soot	
291	TB	M	large jug/jar	1	1	60		BS			
291	TB	U	jug	1	1	30		handle		oval handle central finger groove	
291	TB	U	jug/jar	1	1	21		BS			
291	TB	V	jug/jar	1	1	29		BS			
291	TB	U	jug/jar	1	1	36		BS			
291	TB	U	jug	2	1	88		BS		1 sherd to fabric type series	
291	TOY	V	jug/jar	1	1	10		BS		type sherd to fabric type series	
291	TB	T	large bowl	1	1	230		rim		hooked rim	
291	TB	T	large bowl	2	1	281		base	vessel 1	waster	
291	TB	T	large bowl	1	1	102		base			
291	TB	A	jar	1	1	109	ribbed shoulder	BS		int & ext glaze	
291	TB	H	jug	1	1	79		handle		small grooved oval handle;very roughly finished int handle;int deposit	
291	TOY	T	large jar	1	1	83		rim		flat everted rim;int soot	
291	TB	T	large vessel	1	1	91		BS		int glaze	
291	TB	M	large jug/jar	1	1	38	multi horiz shoulder grooves	BS		to fabric type series	
291	TOY	U	jug	1	1	113		base		very abraded;light firing;lead lumps in glaze;underfired	
299	TOY	B?	jug/jar	1	1	7		BS		abraded	

context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
299	TOY	B ?	jug/jar	1	1	7		BS			
311	TB	T	large bowl	1	1	65		rim		sloping rim;internal spacer scar	
311	TOY	H	jar	1	1	9		neck		abraded	
311	TB	T	large bowl	1	1	75		rim		hooked rim;spacer scar on int rim	
311	TB	T	large bowl	1	1	38		base			
311	TB	T	large bowl	1	1	48		base			
311	TB	A	jug/jar	1	1	9		BS			
312	STSL		press mould dish	1	1	18	trailed & combed	base			
312	TB	C ?	jug/jar	1	1	13		BS		waster;glaze over break	
316	BL		bowl	1	1	3		rim			18th to 19th
319	TB	A	?	1	1	13		BS		waster;glaze over break;decayed internal glaze ?	
321	GRE		?	1	1	17		base		int glaze	
322	WHITE		?	1	1	6		base			
322	BL		hollow	1	1	42		BS			18th
328	BL		bowl	1	1	22		BS		18th/19th	
328	FREC		drinking jug	1	1	45		base		underfired	
328	TB	P	large jug/jar	3	1	250		BS			
328	TB	M	large jug/jar	1	1	13		BS			
328	TB	A	jug/jar	1	1	17		BS			
328	TB	P	large bowl	1	1	31		rim		squarish	



context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	ref no	description	date
328	TB	T	large bowl	1	1	30		rim		hooked rim;soot on int rim edge	
328	TB	M	large bowl	3	1	428		rim & BS		hooked rim;visually similar to bowl in 206	
328	TB	M	large jug	1	1	142		LHJ		soot	
330	TB	T	small jug ?	1	1	188		base		misfired ?;int soot	
339	TOY	B	jug	1	1	5		BS			
339	LERTH		?	1	1	4		BS		no internal surface	18th to 19th
339	BL		large vessel	1	1	10		BS			18th to 19th
339	TPW		small dish	2	1	46		profile			

# Dating Archive Toynton St Peter (TSPS04)

Jane Young

<b>context</b>	<b>date</b>	<b>comments</b>
100	18th	
101	18th to 20th	date on tile;pot mid 15th to 16th
102	19th to 20th	date on brick;pot mid 15th to 16th
103	mid 15th to mid 16th	
104	18th or mid 15th to 16th	
110	late 17th to 18th	date on single sherd
111	16th to early 17th	large fresh frags
114	19th	
116	late 15th to 16th	
120	16th	med-large sherds some fresh
200	19th to 20th	date on modern drain
204	mid 15th to 16th	
206	19th to 20th or mid 15th to 16th	possible intrusive brick
207	late 17th to mid 18th	
208	mid/late 16th to early 17th	
211	mid 16th to 17th	
213	early to mid 19th	
244	mid 15th to 16th	
252	19th	
253	mid to late 16th	
254	19th	
284	late 18th to mid 19th	
286	late 13th to 15th	
287	mid 15th to 16th	
290	late 13th to 15th	
291	mid 15th to 16th	
297	14th to 17th	date on single brick
299	late 13th to 15th	



<u>context</u>	<u>date</u>	<u>comments</u>
301	19th to 20th	date on brick only
311	mid 15th to 16th	
312	18th	
314	16th to 18th	date on brick only
316	18th to 19th	
319	mid 15th to 16th	
321	late 16th to 17th	
322	19th	
328	18th to 19th or mid to late 16th	possible intrusive
330	mid 15th to 16th	date on single sgerd
339	19th	



**APPENDIX 3**



# Ceramic Building Material Glossary (TSPS04)

<b>cname</b>	<b>full name</b>
BRK	Brick
BRKDISC	Brick (discarded)
DRAINDISC	Drain (general) (discarded)
FIRED CLAY	fired clay
MISC	Unidentified types
PANTDISC	Pantile (discarded)
PEG	Peg tile
PNR	Peg, nib or ridge tile

# Ceramic Building Material Archive

## Toynton St Peter (TSPS04)

Jane Young

context	cname	fabric	frags	weight	description	date
100	PANTDISC		1	36		modern
100	BRK	silty micaceous fabric	1	39	handmade;comm carbonized veg voids	medieval to post-med
100	BRK	silty micaceous fabric	1	101	handmade beveled edges with scrape marks;wood marks ?;70mm thick	medieval to post-med
100	PANTDISC		1	43		modern
100	PANTDISC		1	26		modern
100	PANTDISC		1	138		modern
100	BRK	orange silty fabric	1	8	handmade	medieval to post-med
100	BRK	grey silty fabric	1	3	handmade ?;comm carbonised veg voids	medieval to post-med
100	BRK	silty calcareous fabric	1	230	handmade;salt surfacing	medieval to post-med
101	BRK	comm fe mod subround quartz in silty fabric	1	27	handmade;vitrified header	medieval to post-med
101	BRK	silty calcareous fabric	1	42	handmade;mortar;cmm carbonised veg voids	medieval to post-med
101	BRK	silty calcareous fabric	1	12	handmade;mortar;cmm carbonised veg voids	medieval to post-med
101	BRK	orange silty calcareous ?	1	28	handmade;comm veg voids	medieval to post-med
101	PANTDISC		2	57		early modern
101	BRK	vitrified	1	508	re-oxidised broken edge;distorted;straw bedded	medieval to post-med
101	BRK	orange silty calcareous ?	1	162	handmade;comm veg voids	medieval to post-med



context	cname	fabric	frags	weight	description	date
102	BRK	silty fabric with shale/clay pellets	1	98	handmade	medieval to early modern
102	BRKDISC	silty fabric with shale/clay pellets	1	8		modern
102	BRK	soft orange silty fabric	1	236	handmade;mortar	medieval to post-med
102	BRKDISC		1	160		modern
110	BRK	red silty fabric	1	12	handmade;mortar	medieval to post-med
116	BRK	calcareous silty fabric	1	1264	handmade;50x122;sand moulded;straw bedded;worn upper surface	medieval to post-med
120	BRK	med-coarse sandy occ clay pellets occ flint	1	45	handmade;very abraded	medieval to post-med
120	PNR	bright oxid comm mixed quartz comm clay pellets	1	122	flat roofer;	medieval to post-med
200	BRK	silty fabric	1	23		medieval to post-med
200	DRAINDIS	brown salt-glaze	1	834		modern
200	BRK	sandy fabric with white streaks	1	853	handmade;post-firing shaping ?;used as kiln bar ?;64x73mm;abun mixed subround quartz comm fe fe cemented sst	medieval to post-med
206	BRK	mixed fabric comm shale/clay pellets	1	177	handmade;comm mixed in coarse fabric comm fe mod to comm white clay/ca incl	early modern ?
207	BRK	vitrified	1	21	mortar	post-med to early modern
208	BRK	abundant mixed quartz & shale/clay/fe pellets	1	34		post-med
213	BRK	bright oxid sandy fabric	1	60	fabric incl rounded quartz fe & white clay streaks;handmade ?	post-med to modern
213	BRK	dull OX/R silty fabric	1	148	handmade;salt surfacing	medieval to post-med
213	BRK	orange silty fabric calcareous ?	1	104	handmade;corner	medieval to post-med
213	BRK	reduced silty fabric	2	312	handmade;oxid surfs;comm carb veg voids	medieval to post-med
253	FIREDCLA	abun subround quartz	1	56	brick ?	-

context	cname	fabric	frags	weight	description	date
254	BRK	mixed red & white clay	1	318	handmade brick;semi-vitrified;mixed quartz comm fe;bedded on sand	medieval to post-med
254	BRK	orange silty fabric	1	53	handmade;comm carb veg voida	medieval to post-med
254	BRK	silty calcareous fabric	1	123	handmade;mortar over breaks	medieval to post-med
254	DRAINDIS		1	469	land drain	modern
254	BRK	silty calcareous fabric	1	1043	handmade;used in kiln ?;soot on 5 faces;salt surfacing ?;	medieval to post-med
286	PNR	mixed red & white clay	1	4	flat roofer	medieval to post-med
291	PEG	sany fabric with occ light firing clay pellets	1	135	12x12mm square hole tapering to 7x7mm;corner;soot;mortar;sand bedded;salt surfaced;abun mixed subround quartz comm ca incl occ shell occ light firing clay pellets mod fe;use for county type series;visually looks like a Toynton fabric	medieval to post-med
297	BRK	semi vitrified silty calcareous comm voids	1	538	handmade	medieval to post-med
301	BRKDISC		1	183		modern
311	PNR	abun mixed subround quartz	1	156	flat roofer;corner;sand bedded;bright oxidised	medieval to post-med
314	BRK	abund subround quartz comm shale/clay pellets	1	1082	handmade;59x96mm;soot ?;sand bedded	post-med to early modern
321	BRK	mixed red & white clay	1	7	handmade	post-med
321	MISC	silty fabric	1	1	brick ?	-
328	BRK	soft silty fabric with comm voids	2	80		medieval to post-med
328	BRK	calcareous fabric with comm shale/clay pellets	1	427	smooth face suggest use as flooring;handmade;39x102mm	post-med
339	BRK	semi-vitrified silty fabric calcareous ?	1	25	handmade;reduced with oxid surfaces;comm carbonised veg voids	medieval to post-med
339	BRK	soft orange silty fabric micaceous	1	82	handmade;mortar on several faces	medieval to post-med



**APPENDIX 4**



## **TSPS04**

### **1. Introduction**

- 1.1 Archaeological Services WYAS were commissioned by Lindsey Archaeological Services to undertake the analysis of one waterlogged soil sample from Toynton St Peter.

### **2. Method**

- 2.1 A sub-sample of waterlogged sample 7 (context 113) was treated to a system of wash-over. This is a gentler means of extracting botanical material than flotation using a flot tank, and the resulting flot is stored in alcohol rather than being allowed to dry. A 300 $\mu$ m sieve was used and a sub-sample of 1000ml was treated in this way.
- 2.2 The waterlogged material was sorted with the aid of a low-powered binocular microscope typically at magnifications of x 4 to 45. All plant material was retained within the flot, although occasional seeds were partially dried out to assist identification. Plant nomenclature used in the text follows Stace (1997) for vascular plant remains (Table 1).

### **3. Results**

#### 3.1

This single waterlogged sample produced no cereal grain, although one small, carbonised grass seed was present. The weed flora, particularly *Chenopodium album*, *Stellaria media* and *Polygonum aviculare* sl., probably arrived in the deposit as by-products of cereal processing and indicated primarily cultivated or open, disturbed ground. The presence of quite marginal and rough, grassy, arable land, probably with some pasture in the area was also suggested by *Prunella vulgaris* and the nitrogenous *Urtica dioica*. Exploitation of woodland clearances and hedgerows was indicated by *Rubus fruticosus* and *R. idaeus*, both probably gathered as foodstuff, whilst *Sambucus nigra* may also have been collected from these open woodland environments. Of course, depending upon the context, this combination of species may have become naturally incorporated into the deposit – for instance if the sample was from a ditch next to a hedgerow at the edge of an arable field.



Table 1. Results from the flots by context

	Context/sample	113/7
<b>Waterlogged macrofossils</b>	<b>Common name</b>	
<i>Chenopodium album</i>	fat hen	4
<i>Polygonum aviculare</i> sl.	Knotgrass	2
<i>Stellaria media</i>	chickweed	1
<i>Rubus fruticosus</i>	bramble	6
<i>Rubus idaeus</i>	raspberry	2
<i>Prunella vulgaris</i>	selfheal	1
<i>Urtica dioica</i>	stinging nettle	3
<i>Sambucus nigra</i>	elder	4
Asteraceae	daisy family	1
<b>Waterlogged non-plant</b>		
Earthworm egg capsules		4
<b>Carbonised macrofossils</b>		
Small Poaceae	grass family	1

## ***Bibliography***

Stace, C., 1997. *New Flora of the British Isles*. 2nd Edition Cambridge University Press

## ***Acknowledgements***

### **Project management**

Jane Richardson PhD

### **Report**

Diane Alldritt, PhD

### **Sample processing**

James Thompson BSc



**THE FIGURES**



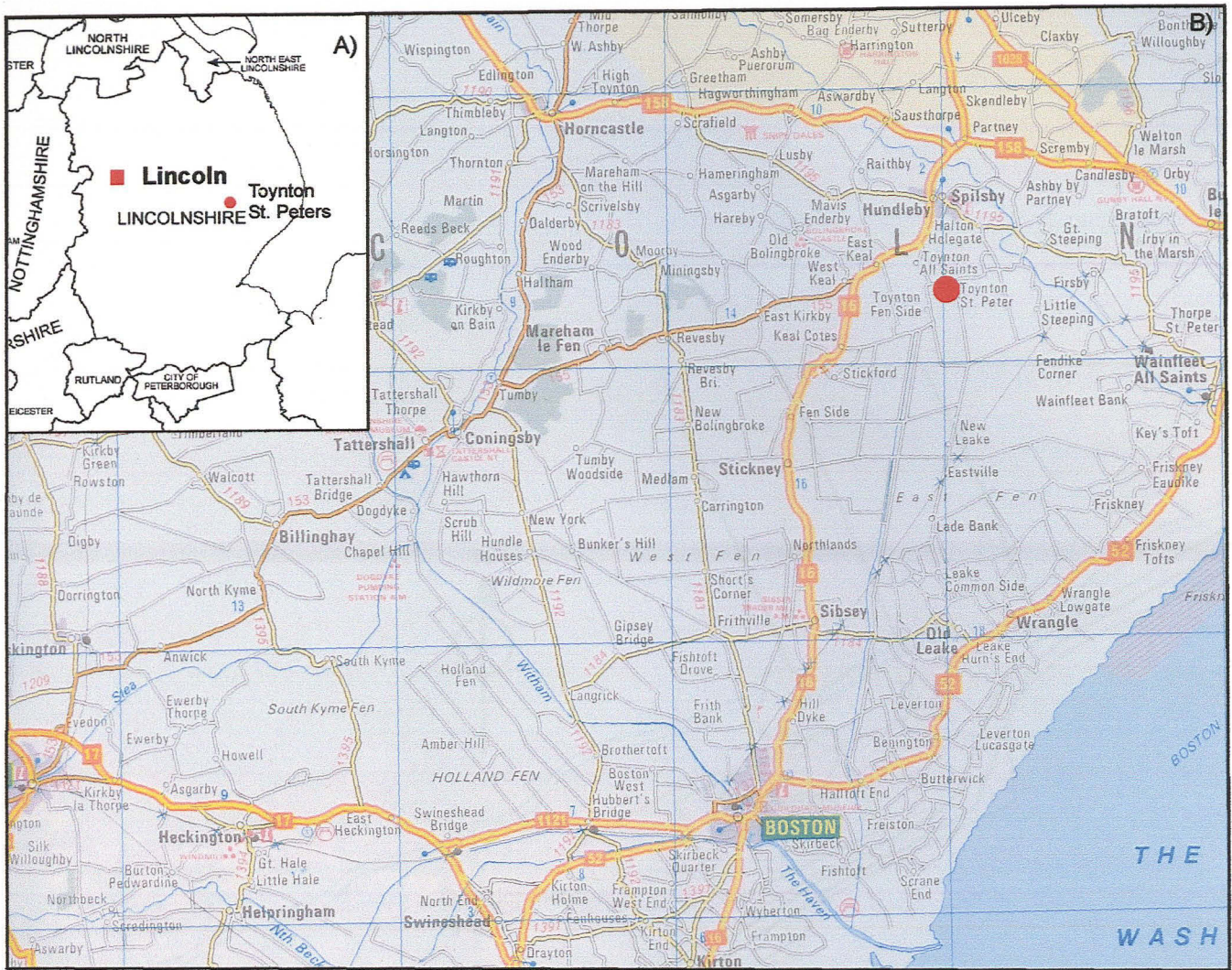


Fig. 1 Location of Development site, Tonton St Peter (inset C based on the Ordnance Survey map Explorer 274, Scale 1:25 000. Crown copyright, reproduced with the permission of the Controller of HMSO. LAS Licence No. AL 10002165.



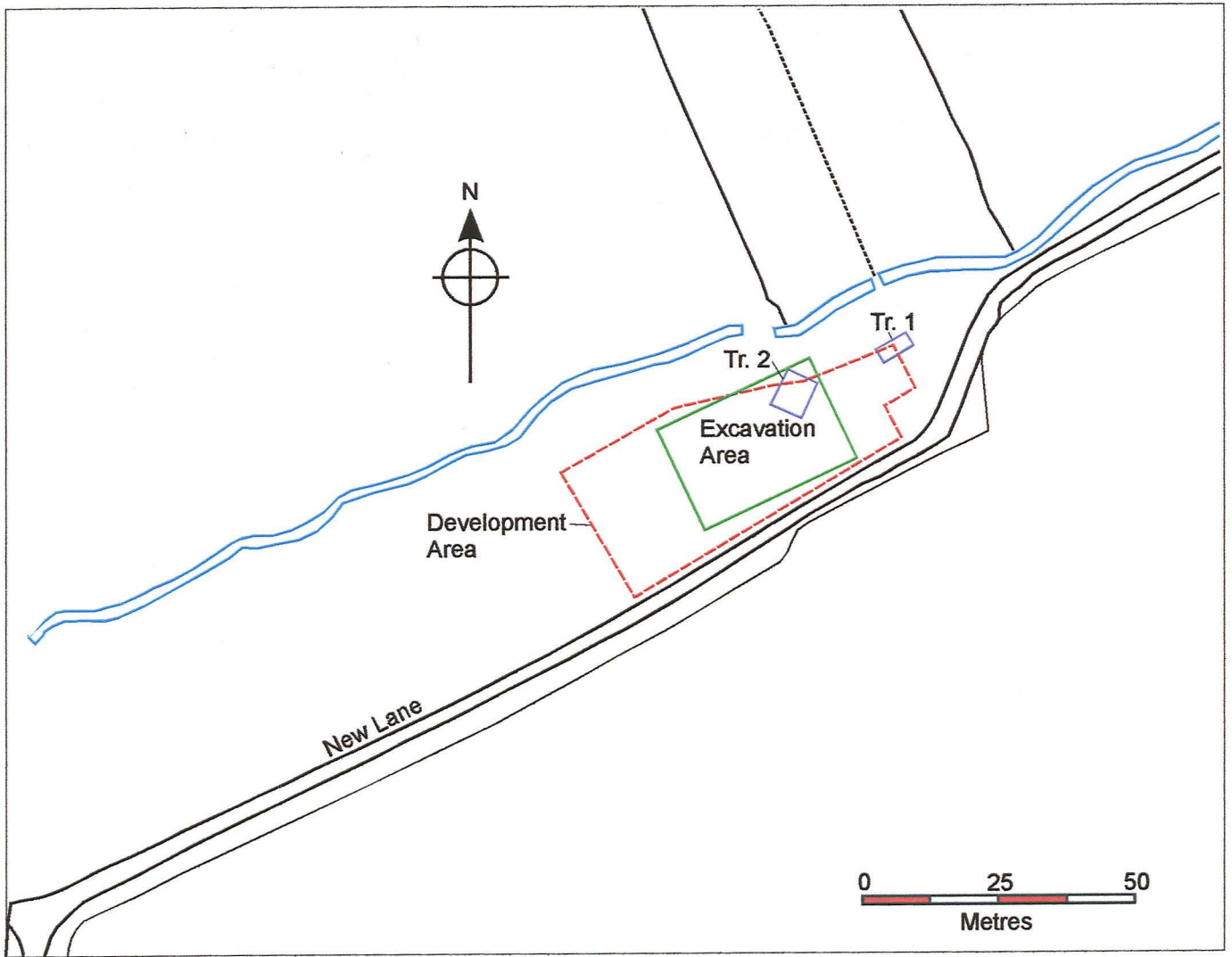


Fig. 2 Evaluation Trenches and excavation area in relation to development area, based on a plan supplied by the client.

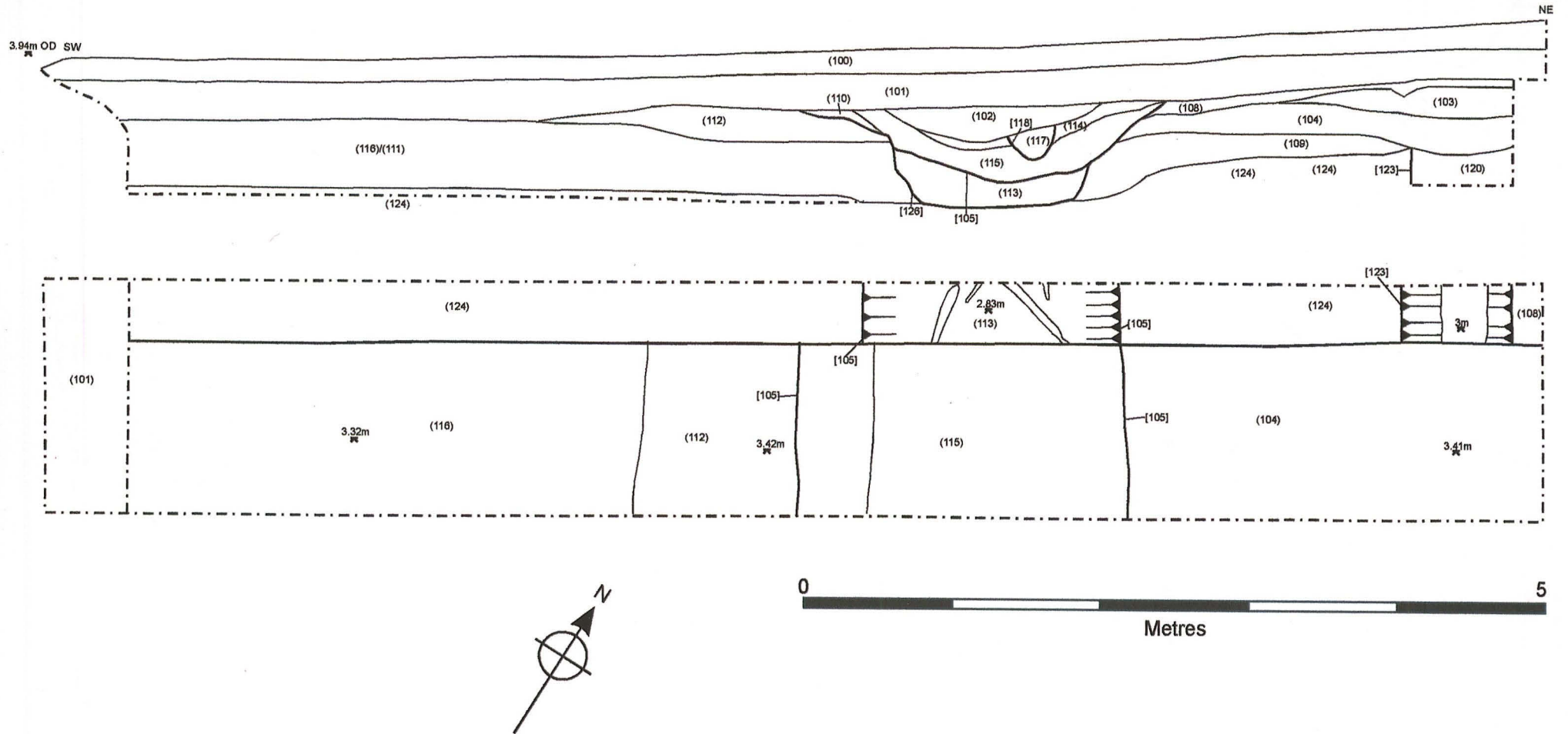


Fig. 3 Evaluation Trench 1: Section and Plan



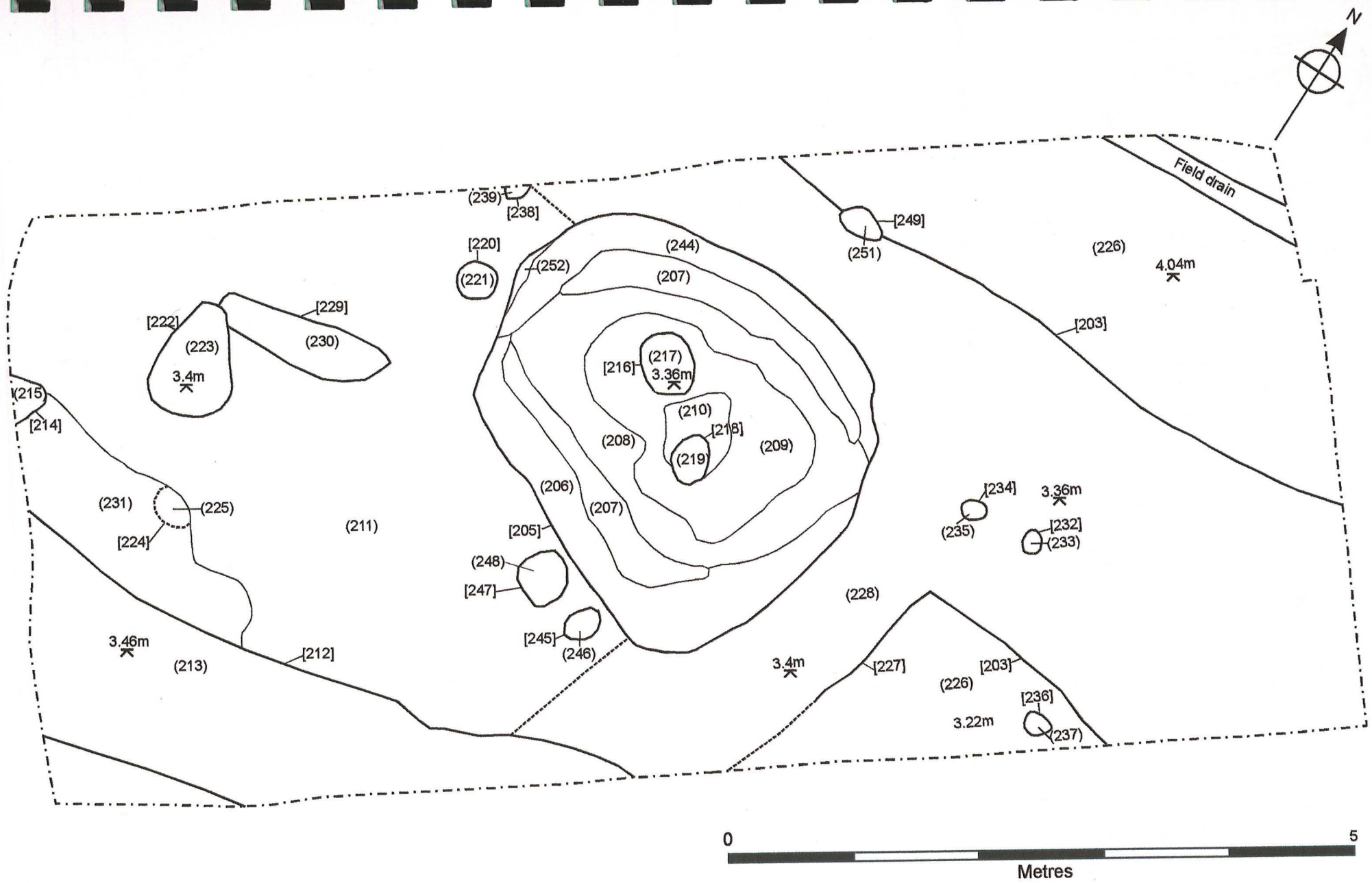


Fig. 4 Pre-excitation plan of Evaluation Trench 2





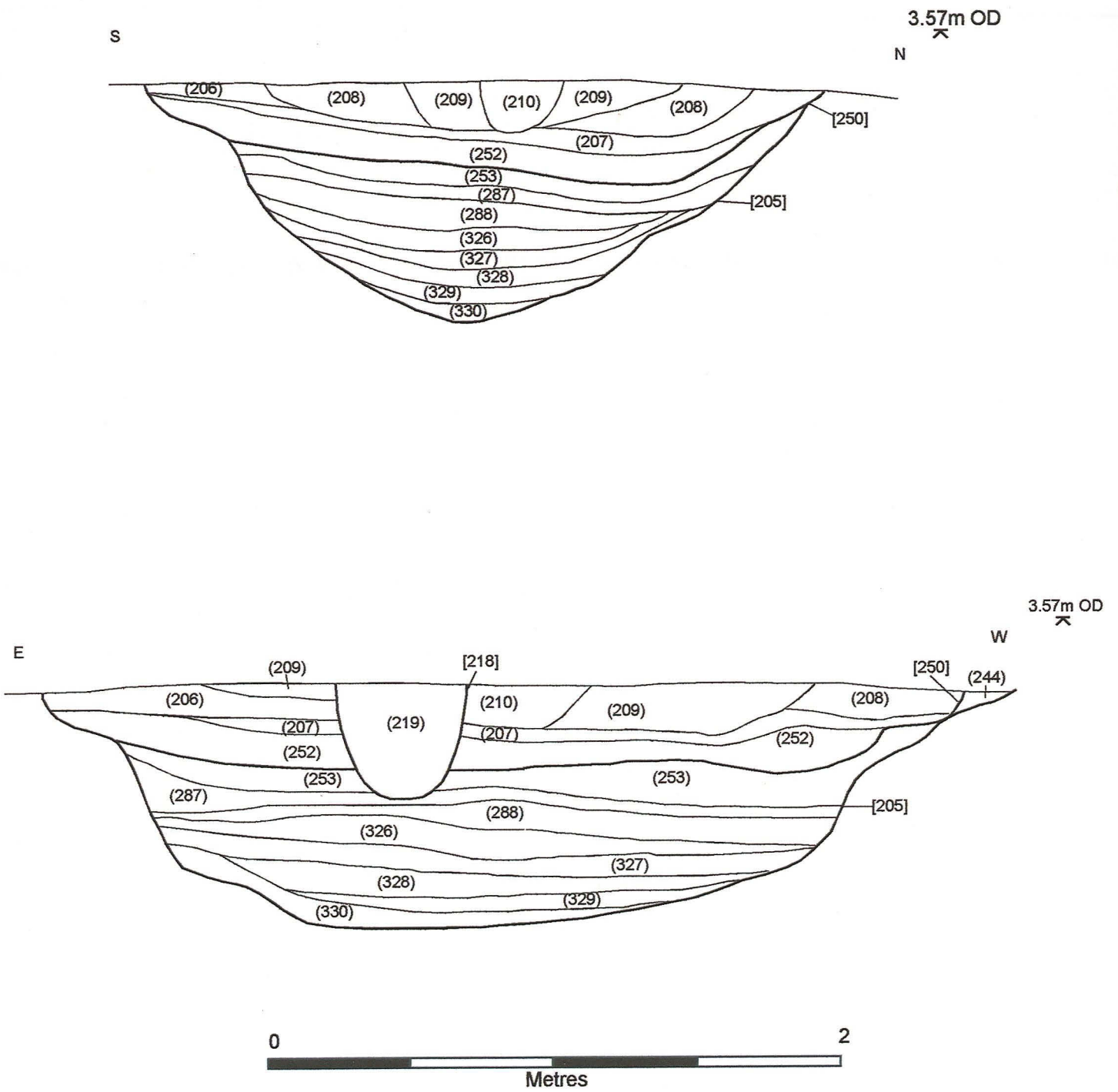


Fig. 6 North/south and east/west orientated sections through pit 205

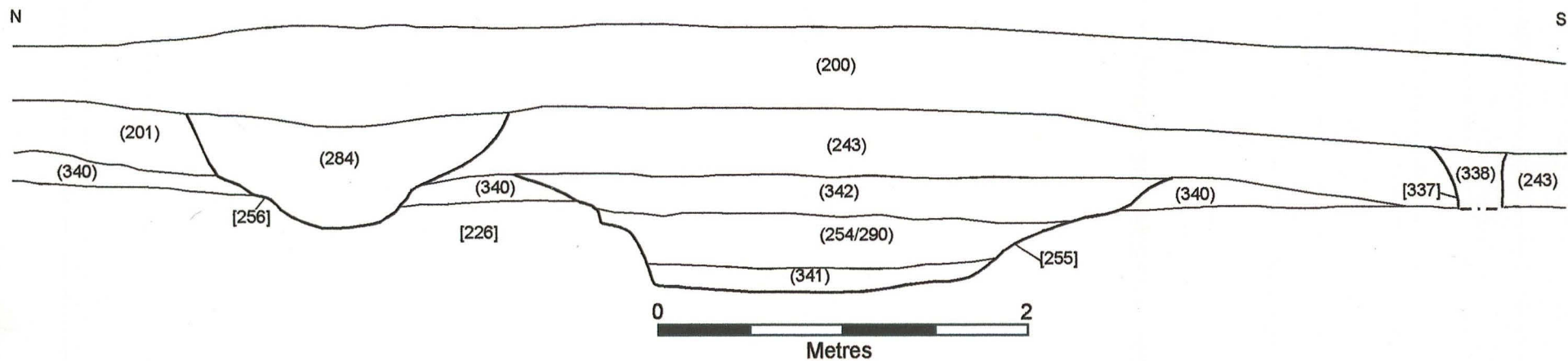


Fig.7 Portion of eastern edge of site showing ditches 255, 256 and field drain 337

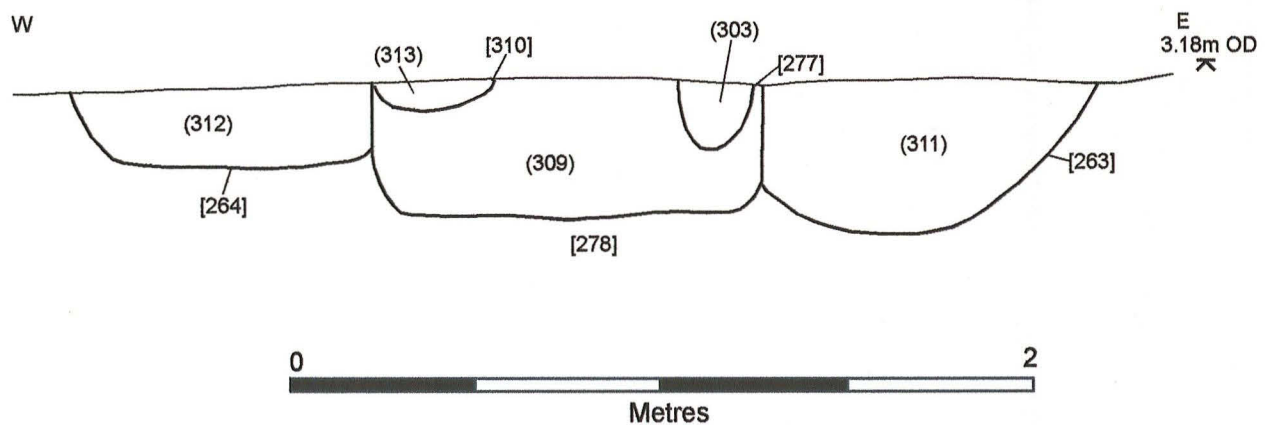


Fig. 8 Section through ditches 264, 263, pit 278 and postholes 277 and 310



**THE PLATES**



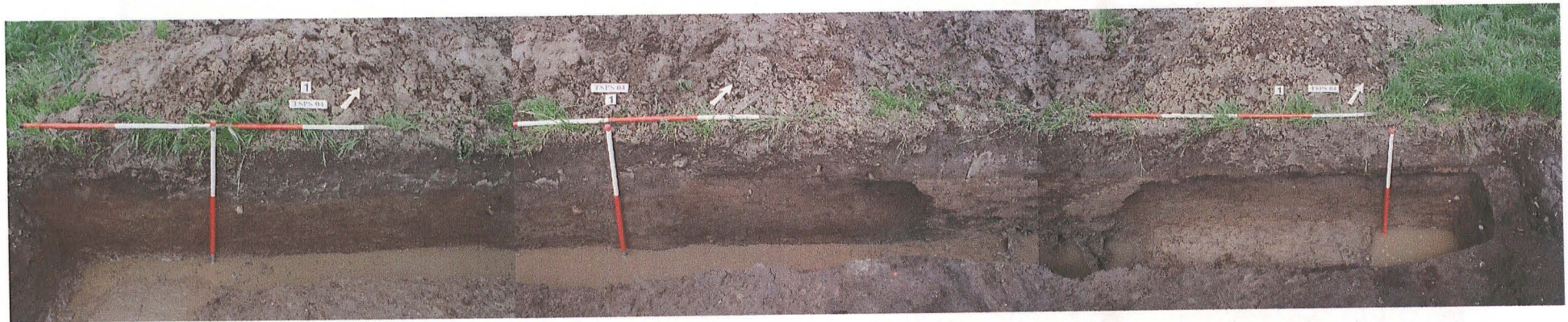


Pl. 1 New Lane, Toynton St Peters, general view of site, looking north-east



Pl. 2 Evaluation Trench 1, looking north-east, scale 1m





PI. 3 Evaluation Trench 1, section, looking north-west, scales 1m

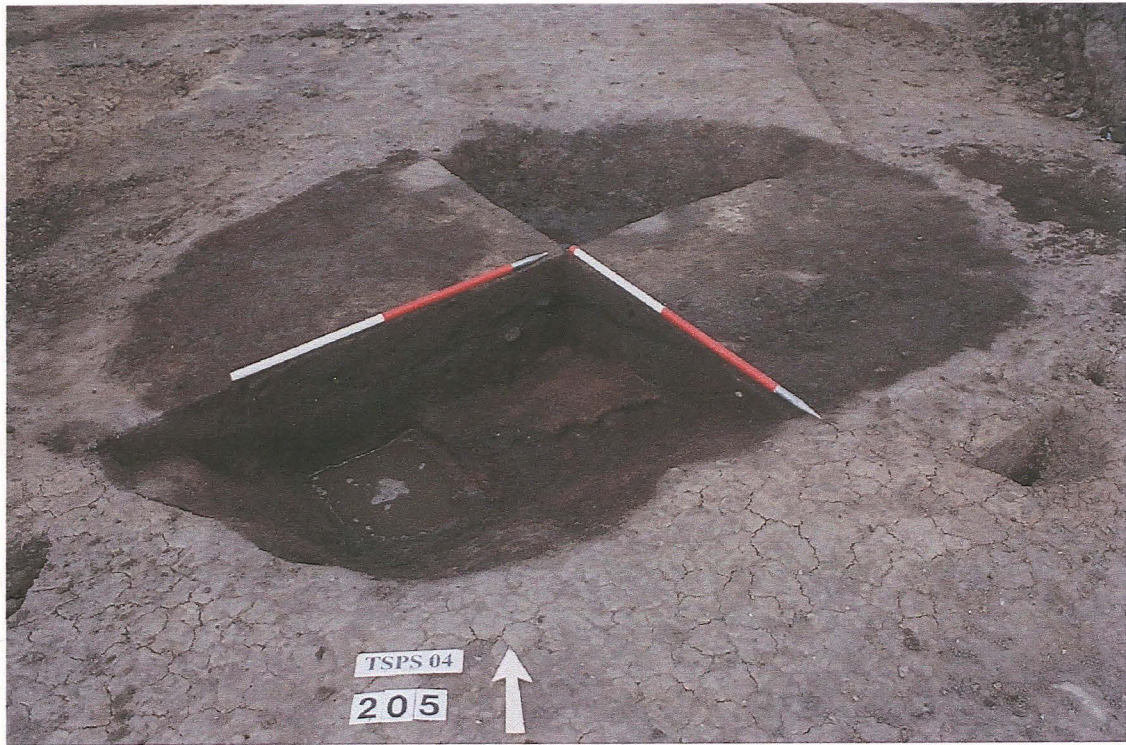


PI. 4 Evaluation Trench 2, looking north-east, scales 2m



PI. 5 Pit 205, pre-excitation, looking north-west, scales 2m





PL. 6 Pit 205, partially excavated, looking north, scales 1m

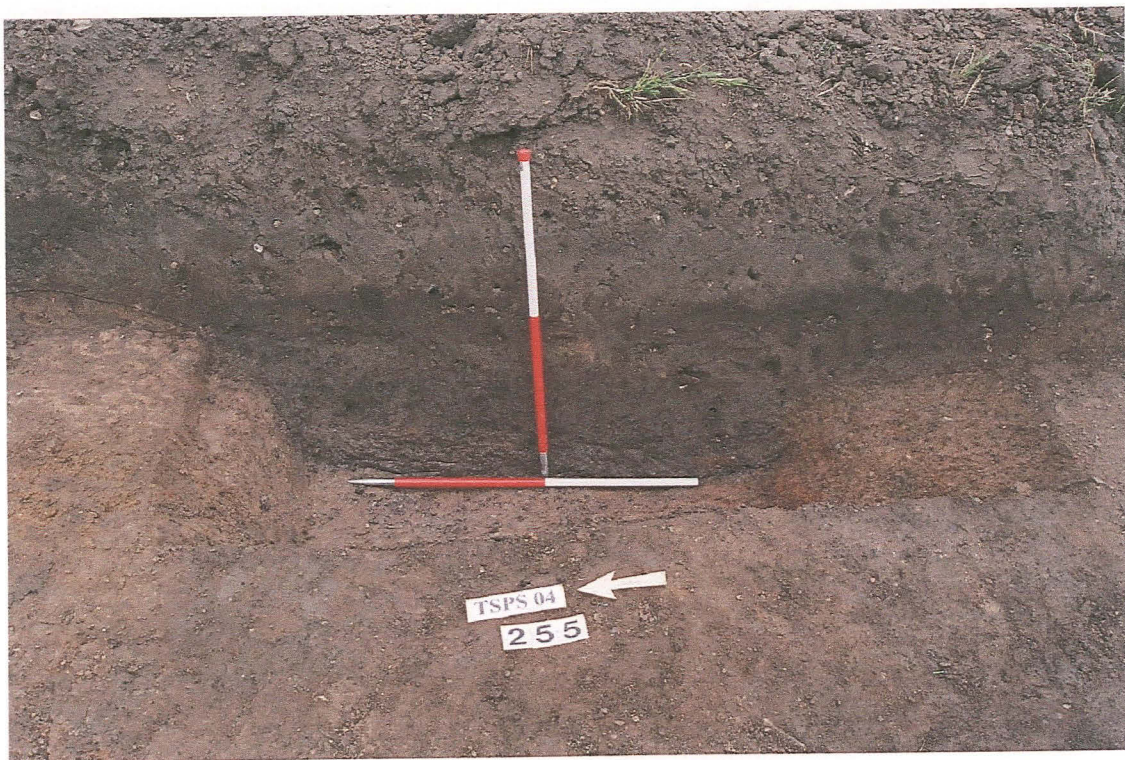


Pl. 7 Pit 205, note layers in fill, looking south, scales 1m



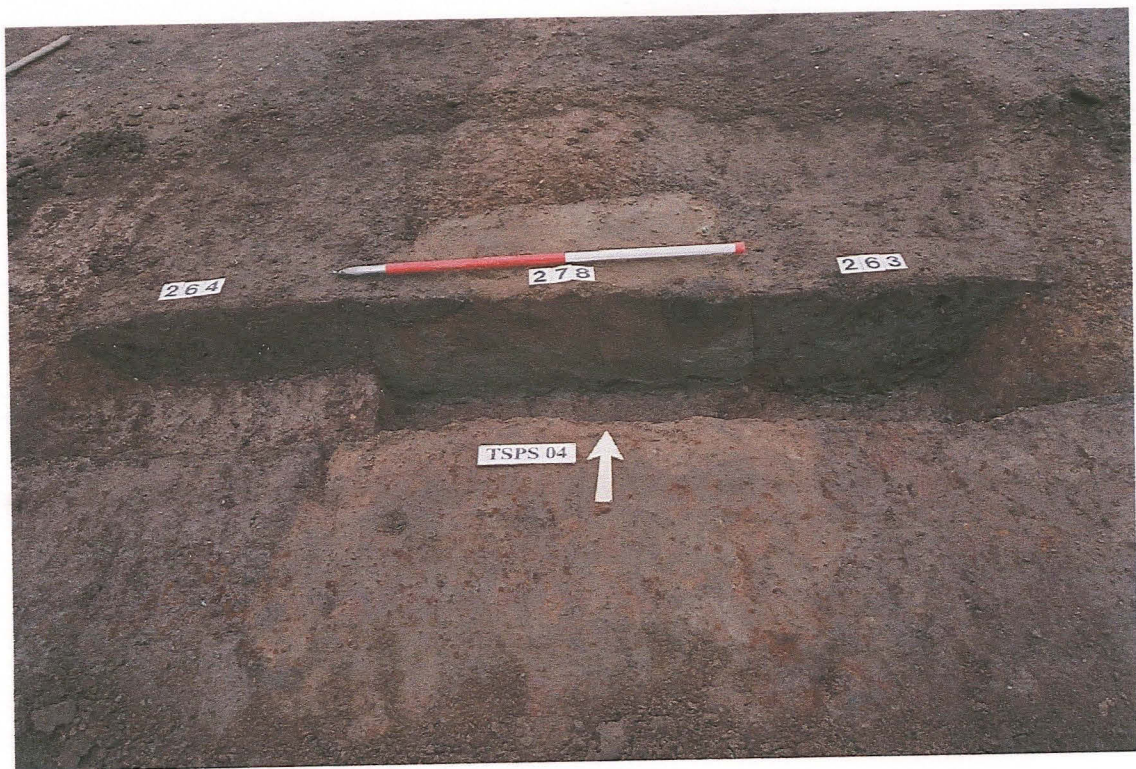


Pl. 8 Excavation area, looking north-east, scales 1m

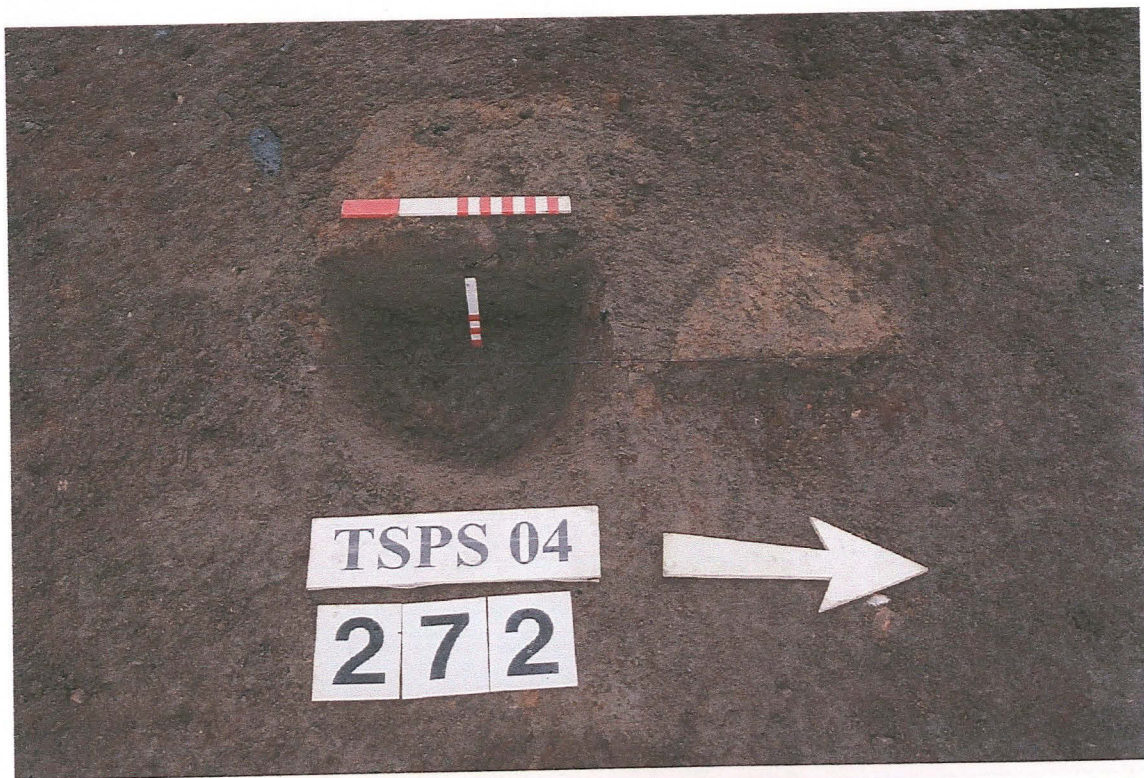


Pl. 9 Ditch 255 looking east, scales 1m



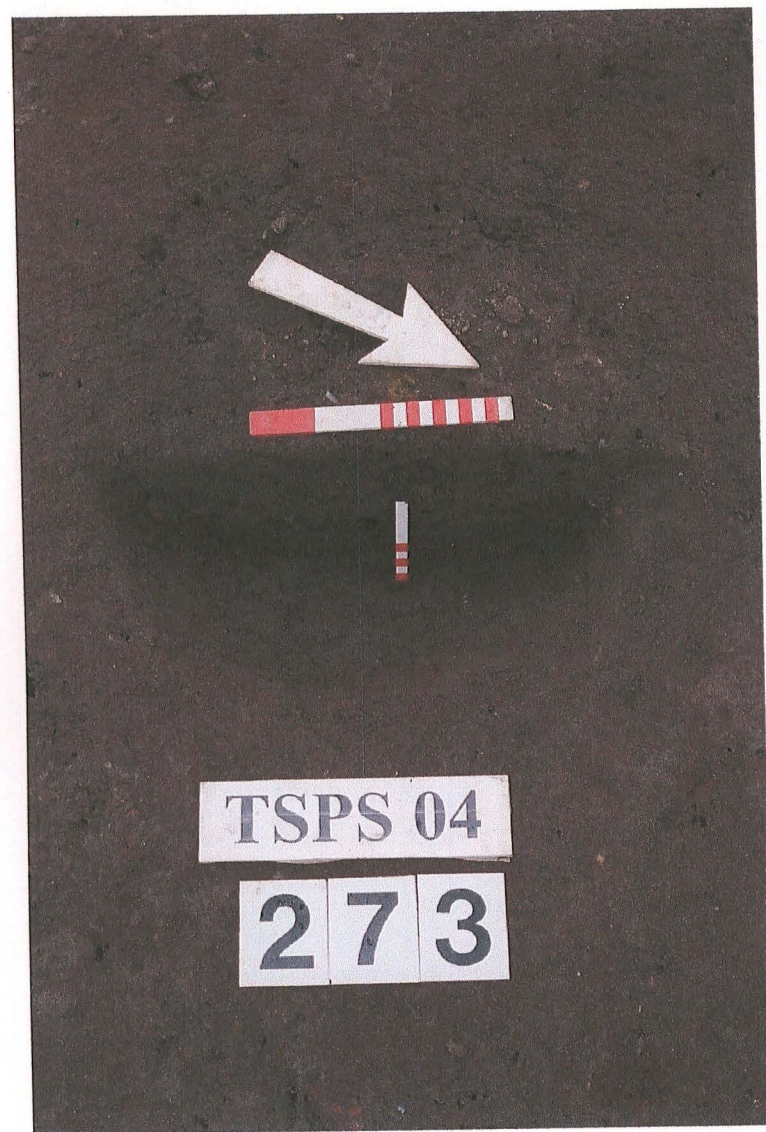


Pl. 10 Ditches 263 and 264 and pit 278, looking north, scales 1m

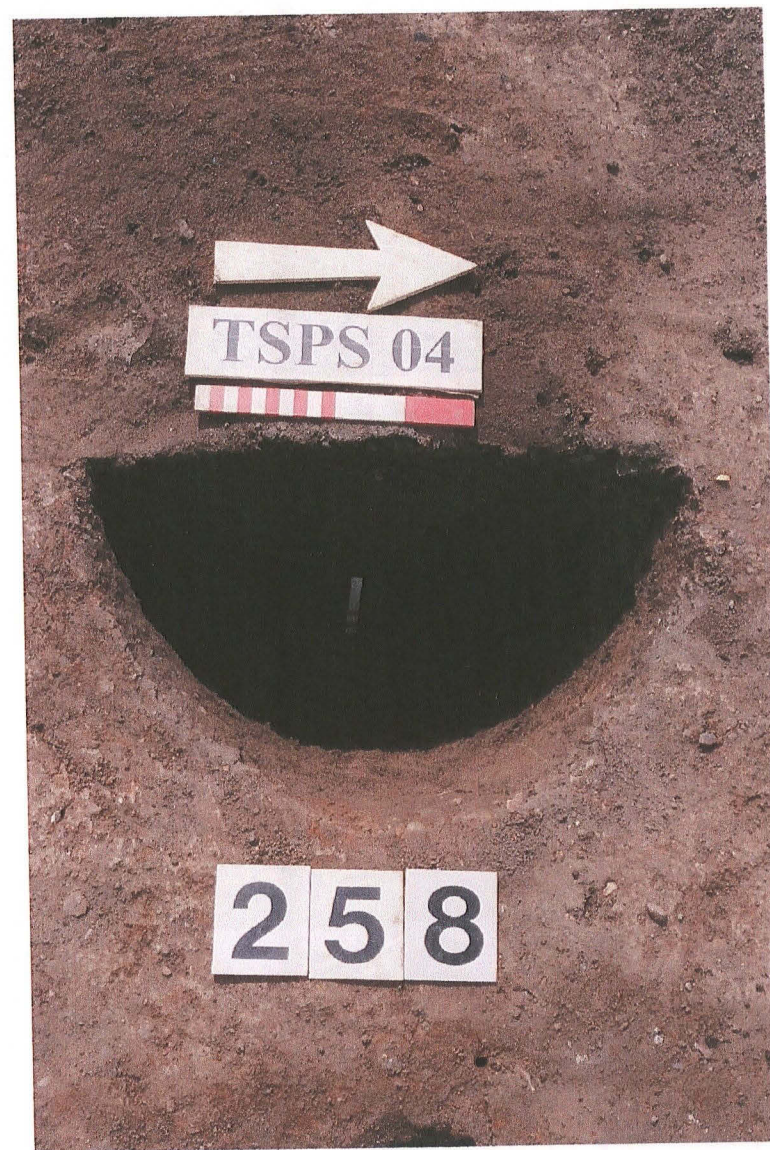


Pl. 11 Posthole 272, looking west, scales 0.20m and 0.10m



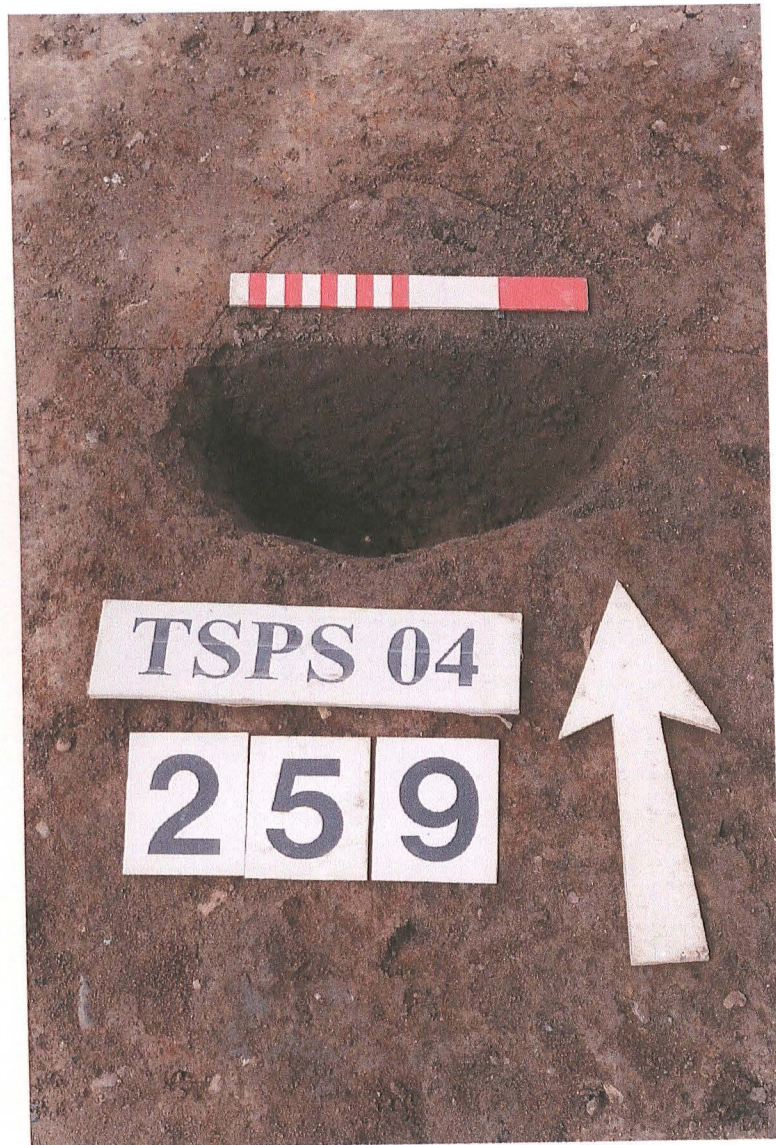


Pl. 12 Posthole 273, looking south-west, scales 0.20m and 0.10m



Pl. 13 Posthole 258, looking west, scales 0.20m and 0.10m





Pl. 14 Posthole 259, looking north, scale 0.20m



Pl. 15 Posthole 276, looking north, scale 0.20m