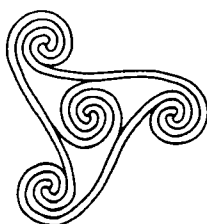


NYCC HER	
SNY	11405
ENY	3126
CNY	4988
Parish	4009
Rec'd	3/4/06

**Scarborough Business Park:**

**Soil Deposit Model and Report on Field-walking Survey  
and Phase 1 Evaluation Trenching**



INTERIM

NYCC HER	
SNY	11405
ENY	3126
CNY	4988
Parish	4009
Rec'd	3/04/06

**For:** White Young Green  
Arndale Court  
Headingley  
Leeds  
LS6 2UJ

**On behalf of:** Caddick Developments Ltd  
Castlegarth Grange  
Scott lane  
Wetherby  
Leeds  
LS22 6LH

**National Grid Reference (NGR):** TA 035 830

**AOC Archaeology Project No:** 20100

**Prepared by:** Lindsay Dunbar and Lynne Fouracre

**Lithics:** Rob Engl

**Illustrations by:** Alan Hunter Blair

**Timing:** February - March 2006  
Reporting – March 2006

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## Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

### 0.1 NON TECHNICAL SUMMARY

- 0.1.1 A phased programme of archaeological works is required by White Young Green Environmental on behalf of Caddick Developments Ltd in respect to a proposed development at Scarborough Business Park, Dunslow Road, Seamer, North Yorkshire. The proposed development area lies within the administrative area of North Yorkshire County Council. Mr. Campling, County Archaeologist for North Yorkshire County Council, is the case officer for this project. The requirement for archaeological works is in accordance with the planning policies outlined in PPG 15 and PPG 16, in order to determine the nature, extent, condition, date and significance of any archaeological or palaeoenvironmental remains within the proposed development area.
- 0.1.2 The objective of the Phase 1 element of the archaeological evaluation works was specifically to create a soil deposit model of the proposed development area, to undertake a field-walking survey and to carry out an intrusive field evaluation of the main infrastructure elements of the proposed development, specifically two roundabouts and two balancing ponds.
- 0.1.3 The scope and scale of this work was developed to meet the criteria specified by Mr. Campling. The Phase 1 works were completed between Monday 20<sup>th</sup> February and Wednesday 8<sup>th</sup> March 2006.
- 0.1.4 The field-walking survey retrieved a significant lithic assemblage from two ploughed fields in the north-eastern part of the development area. Neither significant features nor artefacts were unearthed by the evaluation trenching. The borehole survey recorded a small area with peat deposits, probably occupying a kettle-hole, and a possible palaeochannel.

## 1 INTRODUCTION

### L1 Site location

- 1.1.1 The proposed development site is located roughly 4 km to the south of the town of Scarborough, 1 km west of the village Clayton and 1.5 km east of the village of Seamer, North Yorkshire. It is centred at National Grid Reference TA 035 830 (centred) and is situated within an area of agricultural land, bounded to the north and west by relatively recent industrial and business developments. To the south and east agricultural land and a railway form the main boundary features. The entire proposed development site covers approximately 33.6 ha, with the Phase 1 infrastructure portions accounting for 5.8 ha. The development area rises south to north from a low of 26 m OD at the southern boundary to a high of over 42 m OD in the north-eastern corner of the site. The majority of the site lies above 30 m OD. The location and extent of the proposed development area is highlighted in Figure 1.

## 1.2 Archaeological background

- 1.2.1 This part of the Vale of Pickering is highly important in terms of its potential in aiding our understanding the late glacial and early post-glacial environment and settlement of northern Britain. This area was once covered by the glacial Lake Flixton, which in the post-glacial period gradually infilled. Research has shown an extensive Mesolithic landscape survives around the edges of the former lake preserved under the sometimes exceptional conditions provided by peat deposits. The most notable site is Star Carr, originally excavated by Clark (1954), and situated approximately 2 km to the south of the development area. Other nearby Mesolithic sites include Manham Hill, roughly 500 m to the south and excavated by John Moore, and the Seamer Carr sites (Schadla-Hall & Cloutman 1985; Schadla-Hall 1987) lying just beyond at approximately 850 m distant. The findings from the Seamer Carr research provided marked contrasts to the Star Carr site and permitted the development of new strategies in examining buried early Mesolithic landscapes within the Vale (Schadla-Hall 1989).
- 1.2.2 Immediately to the west of the development area, to the south of Hopper Hill Lane Road, archaeological evaluation and watching briefs have revealed extensive evidence of Neolithic activity. Following geophysical survey two ditches, two post-holes, a pit and a shallow gully with associated pottery and flint tools were revealed 0.4 m below the modern ground surface (MAP 2000, 7-8). Early Neolithic pottery and flint tools were recovered by a subsequent watching briefs (MAP 2003; 2003a).
- 1.2.3 Located approximately 500 m east of development area at Crossgates, excavation has revealed in excess of 100 individual Roman or Roman-British occupation sites or working areas together with a square ditched enclosure, originally thought to be a fort, but subsequent re-interpreted as a robust enclosure. The enclosure went out of use in the 1<sup>st</sup> century AD, but occupation of the wider site continued until the 4<sup>th</sup> century (Rutter & Duke 1958, 62-63, Pye 1976; 1983). Further work by has suggested an ephemeral Anglo-Saxon phase, though perhaps with the settlement focus shifted slightly to the west (Leach 1989).

## 2. OBJECTIVES

- 2.1 The objectives of this phase (Phase 1) of the archaeological works were to:
- i) to determine the character, extent, date and quality of any archaeologically significant remains within the infrastructure land portion of the proposed development area,
  - ii) to determine the character, extent and quality of any palaeoenvironmentally significant deposits within the proposed development area,

## Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

- iii) to ascertain the presence of significant surface scatters on those parts of the development area amenable to field-walking survey,
- iv) use the available data in preparing a mitigation strategy compliant with PPG 15 and PPG 16 should significant archaeological or palaeoenvironmental deposits be discovered

### 3. METHODS

#### 3.1 Introduction

3.1.1 The Phase I archaeological works was comprised of:

- a hand augured borehole survey to allow the production of a Soil Deposit model of the proposed development area;
- field-walking of an area of ploughed ground in the north-eastern part of the development area;
- machine excavated evaluation trenching on the infrastructure component of the development.

#### 3.2 Soil survey

3.2.1 The objectives of the borehole survey were to:

- i) determine the character and extent of the sedimentary deposits within the development,
- ii) develop a deposit model based on topographic and geomorphologic information in order to characterize the archaeological landscape within the development,
- iii) assess the potential for preservation of archaeological remains within the development through an understanding of the geomorphology of the development area;
- iv) provide the necessary information to aid the development of an appropriate mitigation and research strategy.

3.2.2 The Written Scheme of Investigation (YAT January 2006), proposed the implementation of a judgemental borehole survey to characterise the substrate of the application area. The results of the soil survey have been integrated with the

results of the topographic survey to produce a schematic deposit model for the application area mapping broad differences in substrate.

3.2.3 Fifty boreholes were sunk throughout the application area. To ensure even coverage of the whole area, forty boreholes were taken at approximately 100 m intervals across the development area. A degree of judgement was applied to the final positioning of each borehole to ensure that variations in topography were accounted for. An additional 10 boreholes were undertaken which targeted the Phase 1 (infrastructure areas) and locales where any interesting deposits had been identified.

3.2.4 All auguring was undertaken by hand using a spiral or screw auger. Sediments were inspected and described on site stratigraphically in 30 cm increments. The screw auger yields sediments samples of 30 cm in length and approximately 3 cm in diameter. All sediments were recorded by comparison with a Munsell Soil Colour Chart (Munsell Color 1975). Soil texture was recorded with reference to standard procedures (Rowell 1994,10). Mottling and organic content of each deposit were noted and was stone size, abundance and shape as well as the presence of any inclusions such as macrofossils, charcoal or wood. Coring ceased when the boulder clay drift geology had been encountered without variation for a depth of at least 0.5m. Each borehole location was accurately recorded by a Total Station

### 3.3 Field-walking

3.3.1 The field-walking was conducted across three ploughed fields covering approximately 13.5 ha along the eastern side of the development. Figure 5a and Figure 5b show the plot of all the artefacts recovered and a plot of the retouched/tool artefacts recovered respectively. Occasional white ceramics and other post 19<sup>th</sup> century artefacts were noted but not recovered.

3.3.2 The fields were double-walked in 5 m transects with finds initially bagged individually then with further finds in a 5 m radius attributed to the same findspot. These findspots were then accurately three-dimensionally recorded with a Total Station

3.3.3 AOC's lithic specialist (Mr Rob Engl) has appraised the assemblage and assigned each artefact a separate Catalogue Number (See Appendix 3). A brief summary of the findings are included within the results section below.

### 3.4 Evaluation trenching

3.4.1 The Written Scheme of Investigation (YAT January 2006), proposed the excavation of trenches equating to at least 2% of the entire development area. The

## Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Phase 1 areas consist of the main infrastructure elements such as the two roundabouts and two Balancing Ponds. This equates to approximately 5.8 ha of the entire 33.6 ha development area. A 2% evaluation equates to 1160 m<sup>2</sup>. Following discussions with Mr. Campling, it was proposed that the evaluation should consist of both linear machine excavated trenches and boxed areas of machine excavation.

- 3.4.2 In total ten linear trenches and five box trenches were excavated during the evaluation. The trenches totalled 1484 m<sup>2</sup> and the five boxed areas totalled 138 m<sup>2</sup>. In total 1622 m<sup>2</sup> was investigated during the evaluation which equates to 2.8% of the Phase 1 areas.
- 3.4.3 All trenches were excavated with a 13 tonne tracked excavator with a 2.0 m wide ditching bucket. The topsoil was removed in shallow spits until the first archaeological sediments or natural geology was encountered.
- 3.4.4 The machine excavation was followed by hand cleaning where necessary. All trenches were recorded according to AOC Archaeology's standard practice.

## 4. RESULTS

### 4.1 Introduction

- 4.1.1 The weather conditions during Phase I were mixed with recurring rain during the borehole survey and fieldwalking elements. The evaluation which followed was hampered by snow and localised flooding which limited the placement of trenches and contributed to the inundations of some open trenches. This was especially the case in the area of the south-east balancing pond where extensive portions of the area were covered by standing water for the duration of the evaluation
- 4.1.2 The various data gathered from all the Phase 1 works are presented as a series of appendices at the end of this document:

- i)* Appendix 1 contains Borehole Data;
- ii)* Appendix 2 contains Fieldwalking artefact database;
- iii)* Appendix 3 contains Trench Summaries;
- iv)* Appendix 4 contains the Photographic Register;

## 4.2 Borehole Survey (Lynne Fouracre)

### 4.2.1 Introduction

The solid geology of the site is Jurassic Limestone (British Geological Survey 2000) overlain by drift geology of glacial till. Soils are part of the Wick association or Buringham association and consist of slightly stony mottled brown clay loams. It is possible that the semifibrous peat soils of the Adventurers Association also extend into the site from the south (Jarvis *et al* 1984). Previous research in the vicinity of the site has demonstrated the variable depth of drift deposits. Drift is known to have been located at 3.3 m to the north of the site but boreholes taken south of the site have encountered depths of drift geology over 37 m (Dennison 1999, 13). The proposed development area is surrounded by deep drainage ditches and is evidently subject to deep ploughing. Recent and continuing wet weather in the area was demonstrated by pools of standing water on the lower areas of the site.

Palaeoenvironmental and sedimentary studies at nearby sites (Cloutman 1988. Cloutman & Smith 1988), confirm the potential for water-logging in the area and preservation of a sedimentary sequence indicative of significant changes in local environment during the late glacial period and dynamic glacial deposition

Detailed descriptions of each borehole are located in Appendix 1. A schematic deposit model which maps the broad differences in substrate across the application area is shown in Figure 2. The deposits are described from bottom up and a limited interpretation and correlation of deposits between boreholes is contained below. Certain deposits which displayed similarities have been grouped between boreholes. Due to the complex nature of both the topography and the drift deposits on site, an attempt to graphically link specific deposits between the widely spaced boreholes have not been made as the potential for variation between boreholes is too great. A contour map of the glacial till is presented as Figure 3. The existing ground surface (Figure 4a) compared with that of the natural clay (Figure 4b) shows little divergence in general slope profile.

### 4.2.2 Overview

The borehole survey encountered a topsoil with depths of between 0.24 and 0.62 m over a clay glacial drift deposit occasionally overlain by sandy clay. The survey also revealed two areas of possible palaeoenvironmental value. The first of these is a peat deposit extending up to 0.5m in depth sealed by a sandy clay located within a small depression in the centre of the site (Boreholes 24 and 25). The second area consists of dark brown organic clay sealed by sandy clay located in the south of the site in close proximity to the proposed balancing ponds (Boreholes 5, 6, 9 and 10). The nature of both deposits are consistent with glacial and fluvio-glacial deposition at the end of the last glacial.

The survey demonstrated the development area to be dominated by extensive deposits of glacial drift complicated by fluvio-glacial deposits. Extensive drainage



of the site may have affected the survival of some of the peaty deposits which appeared partly desiccated in Borehole 25.

#### 4.2.3 *Stratigraphy*

The sedimentary sequence can be seen in Figure 2 which shows the sedimentary sequence identified across the site linked to a topographic map. The variable topography of the site and the wide spacing of boreholes have prevented the linking of the sedimentary sequence across the whole site as it was felt that to do so would make broad assumptions that may not be applicable across the varied topography. The main units identified are summarised below:

*Unit 8:* This consists of a poorly sorted yellowish brown clay deposit. This deposit is consistent with that found throughout the region up to depths of 37m. It overlies solid drift geology of limestone although this was not encountered during the survey due to the depths of this deposit. It is a poorly sorted heavily mottled deposit which becomes increasingly stony, grey and more compact with depth. The presence of a number of geological erratics not local to the area adds weight to the interpretation of the glacial origin of the unit. Descriptions of colour vary from greyish brown to yellowish brown and the individual stone sizes vary slightly but this is a relatively homogenous deposit underlying the whole sedimentary sequence.

*Unit 7:* This deposit was encountered only in the north east corner of the site and consists of an unsorted gravel deposit of probable glacial origin. The gravel was encountered below the topsoil at depth of 28cm and is visible throughout the area in the deep ploughed deposit. The nature of the topography on which this is located (Steep slope to the north with gradual slope to the south) suggests that it may be part of a glacial feature known as a drumlin or of fluvio-glacial origin.

*Unit 6:* Typically located immediately above the boulder clay, this unit varies between pure coarse pale yellow sand to clayey grey sand material. The sand is relatively coarse but stoneless and as such consistent with glaciolacustrine drift.

*Unit 5:* This unit consists of a peat deposit which varies from black to very dark brown towards the top of the unit where it is partially desiccated. The peat is up to 51 cm thick and contains woody fragments. This peat is located within a relatively discrete geographical area and is defined by a small hollow on which standing water is visible. This deposit is encountered in only two boreholes (Boreholes 24 and 25 - Figure 2) notably where the boulder clay unit is buried most deeply. Described as black (10YR 2/1) or dark grey (10YR 4/1), it is consistent with Fen-Carr peat having formed in a lowland depression possibly a kettle hole.

*Unit 4:* This is a sandy clay which appears to overlay the peat deposit and, where present, the sand deposits of Unit 6.

## Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

*Unit 3:* Dark brown organic clay This deposit was restricted primarily to the south-western part of the site in the area proposed for the south-east balancing pond. The deposit is dark brown clay with occasional organics visible as woody fragments consistent with a glaciofluvial deposit.

*Unit 2.* This is a sandy clay deposit usually grey in colour overlying Unit 3. It is evident that this sand sequence was deposited after Unit 3 had infilled the glacial channel feature and probably represents a period of relative stability.

*Unit 1:* Topsoil typically brown with occasional stones, the topsoil varies throughout the site largely with topography

The interface between Units 6 to 2 are variable and indeed in many cases not present due to the variable nature of the glacial landscape. Although many boreholes revealed topsoil immediately overlying glacial till, caution has been applied when attempting to link these deposits due to the wide spacing between boreholes which renders problematic the reconstruction of the potential intervening variation.

### 4.3 Fieldwalking (Lindsay Dunbar)

#### 4.3.1 *Field results*

A total of 750 artefacts, almost exclusively lithics, were recovered. In the northern field (Figure 5a) the highest density of artefacts encountered lay on the higher ground to the north-east. The underlying gravel subsoil in this area was highly evident, mixed with topsoil by recent ploughing. Artefact distribution decreased in intensity in the western portion of the field where the findspot concentration level fell to those of the southern zone of the southern field.

In the southern field, artefact recovery was highest in the northern part albeit with a slightly elevated recovery rate in the north-eastern part. A conspicuous feature in lithic recovery was its gradual decrease with movement downslope to the south

The distribution of lithic tools (Figure 5b), compared to the general debitage background, were more evenly spread across the two fields, however again there was a slight concentration on the higher ground in the north-eastern part of the northern field.

#### 4.3.2 *The assemblage (Mr Rob Engl)*

The recovered material was exclusively lithics with two notable exceptions, a body sherd fragment of undecorated, hand thrown prehistoric pottery (Artefact 152) and a small triangular carved and perforated piece of cannel coal or lignite (Artefact 644).

The lithic assemblage totalled 748 pieces. Tools and other retouched pieces accounted for 54 pieces (0.72% of the assemblage) with all but one scraper (Artefact 28) made from flint. The assemblage was predominately of flint with only seven of the lithics being chert. Tool types included borers, scrapers, notched blades and knives. The assemblage was overwhelmingly Neolithic and Early Bronze Age (EBA) in date although Mesolithic material is present in the form of small platform cores (Artefacts 46, 618 & 704) and a microscraper (Artefact 490).

#### 4.4 Evaluation (Lindsay Dunbar)

- 4.4.1 The evaluation trenches encountered topsoil with depths of between 0.29 and 0.37 m usually directly overlying a clay subsoil. The field drains in lower-lying ground encountered in Trenches 7, 8, 10 relate to 19<sup>th</sup>/20<sup>th</sup> century agricultural needs. Observation during the evaluation of standing water at surface level and rapid flooding of some trenches demonstrated the past requirement for such improvement measures. The presence of surface water over the location of the south-east balancing pond restricted trench placement to peripheral areas. Modern white glazed ceramic was observed in the topsoil but not retained.
- 4.4.2 The truncation of the natural subsoil by plough scarring was noted to have occurred in all trenches, but not over their entire extent. Similar plough scarring was noted during archaeological works to the west at Hopper Hill Road (MAP 2000; 2003; 2003a). In Trenches 7 and 10 a single geological feature, a late glacial run-off channel crossed the area of south-east balancing pond. See Deposit Model discussion below.
- 4.4.3 Limited trenching of the southern field subject to fieldwalking was undertaken. Trench 5 was situated in the north-west corner of the field, in a zone of elevated artefact recovery; however it failed in finding any underlying features.
- 4.4.4 Neither significant archaeological features nor artefacts were unearthed in any of the fifteen evaluation trenches.

## 5 DISCUSSION

### 5.1 Deposit Model (Lynne Fouracre)

- 5.1.1 The borehole survey of the development area has revealed a landscape largely shaped by late glacial and post glacial deposition. Variation in the depth of topsoil was encountered between 24-62 cm according to the position and angle of slope and degree of colluvial accumulation. The major deposits identified have demonstrated the complexity of the drift geology overlain in places by coarse sand and sandy clay deposits which may be fluvio-glacial in origin. Two areas of

possible palaeoenvironmental deposits have been identified. The first an organic clay in the area of the south-east balancing pond (Boreholes 5,6,9 and 10) and the second a peaty deposit located in a depression in the centre of the site (Boreholes 24 and 25). The dark organic clay deposits identified in the south-east of the site may have formed as a result of the infilling of a small glacial channel. Indeed the deposits revealed are broadly indicative of a fining upward accumulation sequence (Brown, 1997). The channel surface is covered by coarse sands which become progressively finer and are covered by silty clay deposits upon which a soil has developed. The Phase 1 evaluation of the area of the south-east balancing pond revealed similar fluvio-glacial deposits within a channel feature aligned approximately north-east to south-west. Given the location of the peat deposits revealed in Boreholes 24 and 25 within a depression in the landscape it is possible that they form the infill of a small kettle hole. Further investigation of these peat deposits may be required during the Phase 2 evaluation trenching to further determine their nature and extent.

- 5.1.2 Beyond the clear glacial association it is not clear from this research what the relationships are between these deposits and those located elsewhere in the Vale of Pickering. This site lies at a greater elevation than the sites of Star Carr and Seamer Carr (Cloutman 1988) and Wykeham (NAA 2004) which have demonstrated extensive palaeoenvironmental deposits. Given the shallow depth of ploughsoil across much of the development area, particularly the higher ground, it is considered that the potential for the enhanced survival of archaeological remains, within wet or anaerobic conditions, within the greater part of the development area is low. Whilst the work has demonstrated that the site may contain some limited palaeoenvironmental deposits, no evidence for any anthropogenic activity was identified within the cores.

## **5.2 Field-walking (Lindsay Dunbar)**

- 5.2.1 The field-walking survey recovered a significant artefact assemblage predominantly dating to the Neolithic and the EBA, although with rare, possibly, Mesolithic material. As noted above a conspicuous feature of the lithic distribution was its gradual decrease across the field-walking area from the northwest corner downslope to the south. Closer examination of the lithic distribution map reveals two possible two areas of apparent increased density; the western slope of the high ground in the northeast corner of the site and the area immediately south of the hedge line bisecting the fieldwalking area.
- 5.2.2 The existence of a large Neolithic/EBA lithic assemblage would indicate the presence of a substantial activity within or close to the area field-walked. Unfortunately the high ground immediately beyond the north-eastern corner of the site has been severely truncated by modern development and therefore the exact topography of the surrounding environs is unclear. It is probable that the activity from which the lithics derived occurred on the hilltop or on the flatter slopes

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around the base of the hill. Settlement is commonly found on south-facing and south-west facing aspects and the zones of increased lithic recovery appear to correspond with this observation.

5.2.2 The Neolithic activity at Hopper Hill Road was positioned around the 32.0 m OD height which is a similar height to the areas of artefact concentration identified by the field-walking. It is probable that the activity indicated by finds recovered from the field-walking is of a nature similar to that noted at Hopper Hill Road (MAP 2000).

5.2.3 The presence of prehistoric pottery within the ploughsoil is of note. Whilst lithics are extremely durable and can survive within a modern ploughsoil, prehistoric pottery is much less resilient. Neolithic pottery will not persist and accumulate in the ploughsoil and may survive only a few years (Barclay *et al* 2001). The presence of prehistoric pottery within the ploughsoil is evidence for the active truncation of *in situ* deposits from surviving features.

### 5.3 Evaluation of infrastructure areas (Lindsay Dunbar)

5.3.1 The Phase 1 evaluation of the development area at Scarborough Business Park discovered no archaeologically significant features or artefacts. All artefacts and features noted during the evaluation relate to 19<sup>th</sup> and 20<sup>th</sup> century activity.

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**APPENDIX 1 BOREHOLE LOGS**

**BOREHOLE 1**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-48cm	Silty Clay	Rare Large stones	10YR3/3		Topsoil increasingly clayey with depth
48-110cm	Clay	Up to 3cm increasing freq with depth mod-freq	10YR 6/2 – 10YR 4/5	Increasingly stony with depth, Increasingly mottled with depth Fine fissures	
110-	Clay	Freq, poorly sorted	10YR 5/8	Yellowish Brown	Dense compacted clay

**BOREHOLE 2**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-32cm	Silty Clay	10YR3/4	Dark Yellowish brown	Rare <1cm	Topsoil includes 1req v small rootlets
32-119cm	Clay	10YR various	Mottled	Mod stones some >5cm	Occasional roots laminated manganese paler with depth
119-145	Clay – very wet	10YR various	Mottled	Mod stones rounded pebbles	Increasingly paler and wetter with depth
145-	Clay	10YR 5/8	Yellowish brown		Dense compact boulder clay

**BOREHOLE 3**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-25	Silty Clay	10YR 3/4	Dark Yellowish brown	Rare <1cm	Clay topsoil diffuse boundary
25-100	Clay	7 5YR 5/8	Strong brown	Mod rounded pebbles up <3cm	Mottled very stiff clay Increasingly pale and stonier with depth
100-145	Clay	10YR 5/8	Yellowish brown		Boulder clay

**BOREHOLE 4**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-33cm	Silty Clay	10YR3/3	Dark brown	Rare <1cm	Topsoil
33-98cm	Clay	10YR 5/8	Yellowish Brown	Occasional <1cm	Clay
98-182	Sandy Clay	10YR 5/2	Greyish brown		Drier more friable than deposit above increase in



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stones

**BOREHOLE 5**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-54	Clay loam	10YR 2/2	Very dark brown	Freq v small < 0.5cm	Occasional roots, organic topsoil
54-97	Coarse sandy clay loam	10YR 5/8	Yellowish Brown	None	Pale coarse sand material increasingly grey and wet with depth
97-135	Sandy Clay	10YR 5/8	Yellowish brown – greyish brown at 120cm	None	Very wet and increasingly clayey with depth diffuse boundary
135-137	Clay Loam	10YR 2/2	Very dark Brown	None	Rare organic inclusions including small woody fragments and roots < 1cm
137-157	Clayey Sand	10YR 5/1	Gray		Very fragmented species not identifiable
157-176	Sand	10YR 5/1	Gray		Sand homogenous no inclusions very pure
176-248	Clay	10YR 5/1	Grey mottled in places	Mod<3cm sub rounded –sub angular	Slightly clayey Sand Increasingly compact and stony with depth nearly 1 metre of homogenous boulder clay deposit

**BOREHOLE 6**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-40cm	Clay loam	10YR 2/2	Very Dark Brown	Occasional <2cm	Topsoil occasional roots and organic material similar to 5
40-52cm	Sandy Clay	10YR 6/4	Mottled grey and orange light yellowish brown	None	Mottled and slightly sandy
52-100	Clayey Sand	10YR 6/4	Light yellowish brown	None	Sand
100-102cm	Clay loam	10YR 6/4	Light yellowish brown with darker patches	None	Occasional organic inclusions very wet
102-165	Clay	7.5Y4/4	Very dark grey	None	Clay no inclusions

**BOREHOLE 7**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-45cm	Clay loam	10YR 4/3	Brown	Occasional <0.5cm	Topsoil frequent rootlets friable
45-55cm	Clay	10YR5/4	Yellowish		Mottled

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55-124cm	Sandy Clay	10YR 6/6	Brown Brownish yellow	Occasional <2cm	Mottled very sandy and coarse dry slightly less sandy with depth
124-175	Clay	10YR 5/8	Yellowish brown		Boulder clay

**BOREHOLE 8**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-20cm	Silty Clay	10YR 3/3	Dark Brown	Rare < 1cm	Topsoil
20-82cm	Clay	10YR 5/2	Grayish Brown	Mod-Freq <2cm	Boulder clay increasingly compact and stony with depth

**BOREHOLE 9**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-38cm	Silty Clay	10YR 3/1	Dark Grey	None	Very clayey and compact topsoil
38-98cm	Clay	10YR 5/1	Grey	Occasional	Damp and very sticky
98-100cm	Clay	10YR 5/1	Grey	Occasional	Occasional organic inclusions woody fragments
100-157cm	Clay	10YR 5/1	Grey	Freq <5cm	Increasingly compact and stony with depth Very wet, from 127cm difficult to bring up sediment

**BOREHOLE 10**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-34cm	Clayey loam	10YR 3/3	Dark Brown	None	Topsoil
34-61cm	Clay	10YR 5/1	Grey	Mod <2cm	Organic inclusions at base
61-160cm	Clay	10YR 5/2	Greyish brown	Mod <2cm	Freq organic inclusions including woody fragments
160-172cm	Sandy Clay	10YR 5/1	Grey	Freq <5cm	Mottled clay material no organic inclusions
172-189cm	Clay	10YR 5/1	Grey	Freq <5cm	Boulder Clay

**BOREHOLE 11**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-33cm	Sandy Clay Loam	10YR 4/3	Dark Brown	Moderate	Friable topsoil deep ploughed with occasional clay subsoil
33-106cm	Clay	10YR 6/8	Brownish Yellow	Mod <1cm subrounded/ subangular	Mottled with grey/orange subsoil

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**BOREHOLE 12**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-32cm	Sandy Clay Loam	10YR 4/3	Dark Brown	Mod <1cm	Topsoil
32-82cm	Clay	10YR 5/4	Yellowish Brown mottled		Boulder Clay Mottled Increasingly stony with depth

**BOREHOLE 13**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-36cm	Silty Clay	10YR 5/3	Brown	Few <3mm	Topsoil very clayey
36-100cm	Clay	10YR 5/4	Yellowish brown	Occasional <1cm	Compact mottled clay

**BOREHOLE 14**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-38cm	Silty Clay	10YR 3/3	Dark Brown	None	Diffuse boundary with boulder clay below
38-112cm	Clay	10YR 3/4	Dark Yellowish Brown	Occasional	Heterogeneous with occasional sandy areas still mottled and orangey

**BOREHOLE 15**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-34cm	Silty Clay	10YR 5/3	Brown	Moderate <5cm	Topsoil quite damp
34-98cm	Clay	10YR 5/4	Yellowish Brown	Freq<5cm	Very damp and mottled

**BOREHOLE 16**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-30cm	Silty Clay	10YR 5/3	Brown	None (but large stones > 5cm visible in ploughsoil)	Topsoil
30-76cm	Sandy Clay	10YR 5/4	Yellowish Brown	None	Increasingly sandy with depth
76-89cm	Clayey Sand	10YR 5/2	Grayish brown	None	Coarse wet sand
89-103	Sandy clay	10YR 5/2	Grayish brown	Occasional	Clay

**BOREHOLE 17**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-28cm	Silty Clay	10YR5/3	Brown	Moderate <5cm	Topsoil

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29-84cm	Clay	10YR 5/3	Brown	Rare<2mm	Homogenous in colour not mottled very dry
84-114cm	Clayey Sand	10YR 7/1	Light grey	Rare large stones>5cm	Pale sand clear sharp boundary Large stones prevented further coring

**BOREHOLE 18**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-30cm	Silty Clay	10YR3/3	Dark Brown	Rare	Topsoil
30-77cm	Clay	10YR5/4	Yellowish brown	None	Mottled very dense compact clay
77-102cm	Clay	10YR 7/1	Light grey	None	Stoneless smooth boulder clay

**BOREHOLE 19**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-29cm	Silty Clay	10YR 3/3	Dark Brown	Occasional <1cm	Quite reddish in places very dry and stiff freq manganese inclusions
29-101cm	Clay	10YR 5/4	Yellowish Brown	Occasional <1cm	Variable with coarser sandier elements in places

**BOREHOLE 20**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-28cm	Silty Clay	10YR3/3	Dark Brown		Topsoil and slightly drier and more compact than 19
28-99cm	Clay	10YR5/4	Yellowish brown	Increasing with depth	Drift boulder clay mottled

**BOREHOLE 21**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-30cm	Silty Clay	10YR 5/3	Brown	Few<3mm	Topsoil
30-100cm	Clay	10YR 5/6	Yellowish brown	None	Boulder Clay mottled

**BOREHOLE 22**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-26cm	Silty Clay	10YR 5/3	Brown	Mod <1cm	Topsoil
26-100cm	Clay	10YR 5/4	Yellowish Brown	Mod increasing with depth	Boulder Clay

**BOREHOLE 23**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-46cm	Silty Clay	10YR 3/3	Brown	Mod <1cm	Stocky stoney topsoil

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46-100cm	Clay	10YR 5/4	Yellowish Brown	Freq<2cm	V mottled and dry increasingly stoney with depth
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**BOREHOLE 24**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-38cm	Silty Clay	10YR 5/4	Yellowish brown	Rare	Topsoil
38-57cm	Clay	10YR 5/4	Yellowish brown	Occasional	
57-102cm	Clay	10YR 3/3	Dark brown	None	Slightly mottled
102-153cm	Peat	10YR 2/1	Black	None	Desiccated Peat
153-184cm	Peaty Clay	10YR 2/2	Very Dark Brown	None	
184-	stone	N/A	N/A	Very	Hard deposit discontinued

**BOREHOLE 25**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-38cm	Silty Clay	10YR 5/3	Brown	Occasional <2mm	Topsoil
38-92cm	Clay	10YR 5/2	Grayish brown	None	Clay slightly mottled but not dense like boulder clay
92-99cm	Peaty Clay	10YR 2/1	Black	None	Desiccated peaty clay high organic content
99-120cm	Clay	10YR 5/1	Grey	Rare	Grey mottled clay
120-180cm	Peaty clay	10YR 5/1	Grey	None	Desiccated peat
180-190cm	Clay	10YR 5/1	Grey	None	Clay with occasional organic inclusions
190-381	Clay	10YR6/1	Grey	Occasional <3mm	Blue grey very stiff clay increase in stones with depth

**BOREHOLE 26**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-35cm	Silty Clay	10YR 5/3	Brown	V few < 3mm	Topsoil
35-67cm	Clayey Sand	10YR 5/4	Yellowish brown	Moderate <3cm	
67-100cm	Clay	10YR 5/4	Yellowish brown	Moderate <3cm	Boulder Clay

**BOREHOLE 27**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-33cm	Silty Clay	10YR 5/3	Brown	Mode <3mm	Topsoil
33-100cm	Clay	10YR 5/4	Yellowish Brown	Freq <3cm	Boulder Clay increasingly stony with depth

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**BOREHOLE 28**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-45cm	Silty Clay	10YR 5/3	Brown	Few	Topsoil wetter with depth
45-60cm	Clayey Sand	10YR 5/4	Yellowish brown	None	Sand
60-82cm	Clay	10YR 6/4	Brown mottled	Mod 1mm-1cm	Clay
82-141cm	Clayey Sand	10YR 5/4	Yellowish Brown	None	Sand
141-174cm	Clay	10YR 5/2	Greyish Brown	Rare	Brown grey very smooth

**BOREHOLE 29**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-48cm	Silty Clay Loam	10YR5/3	Brown	Few<1cm	Topsoil
49-100cm	Clay	10YR 5/4	Yellowish brown (mottled)	Occasional-freq with depth <1cm	Boulder Clay

**BOREHOLE 30**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-42cm	Silty Clay Loam	10YR 5/3	Brown	Few<1cm	Loose topsoil.
42-100cm	Clay	10YR 5/4	Yellowish Brown (mottled)	Increasing freq with depth	Mottled boulder clay freq manganese

**BOREHOLE 31**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-31cm	Silty Clay	10YR5/3	Brown	Mod<1cm	Topsoil
31-100cm	Clay	10YR5/4	Yellowish brown	Mod < 3cm	Mottled Boulder clay

**BOREHOLE 32**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-32cm	Silty Clay Loam	10YR5/3	Brown	Mod <1cm	Topsoil
32-100cm	Clay	10YR 5/4	Yellowish brown	Mod < 3cm	Boulder clay

**BOREHOLE 33**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-62cm	Silty Clay	10YR 5/3	Brown	Rare < 1cm	Topsoil
62-93cm	Silty Clay	10YR 3/2	Very dark greyish brown	None	Subsoil darker and slightly organic

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93-145cm Clay 10YR 5/2 Grey Mod < 3cm Smooth mottled increasing stones with depth

**BOREHOLE 34**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-38cm	Silty Clay	10YR 5/3	Brown	Rare < 1cm	Topsoil
38-82cm	Silty Clay	10YR	Dark Brown	None	Subsoil increasingly clayey with depth
82-131cm	Clay	10YR 5/4	Yellowish brown	Mod < 3cm	Boulder clay very wet and stoney

**BOREHOLE 35**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-25cm	Silty Clay	10YR 5/3	Brown	Rare < 1cm	Topsoil
25-100cm	Clay	10YR 5/4	Yellowish brown	Increases with depth	Very damp stick boulder clay

**BOREHOLE 36**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-37cm	Silty Clay	10YR 5/3	Brown	Rare < 1cm	Topsoil
37-100cm	Clay	10YR 5/4	Yellowish brown/ grey mottled	Mod < 3cm	Boulder clay quite dry with stone mottling

**BOREHOLE 37**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-35cm	Silty Clay	10YR 5/3	Brown	Moderate < 1cm	Topsoil
35-60cm	Sand	10YR 6/4	Light yellowish brown	None	Sand
60-90cm	Clayey Sand	10YR 5/4	Yellowish brown with grey mottles	None	
90-125cm	Clay	10YR 5/4	Yellowish brown	Moderate < 1cm	Boulder Clay

**BOREHOLE 38**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-30cm	Silty Clay	10YR 5/3	Brown	Occasional	Topsoil diffuse boundary
30-110cm	Clay	10YR 5/4	Yellowish brown	Moderate	Boulder Clay

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**BOREHOLE 39**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-30cm	Silty Clay	10YR 5/3	Brown		Topsoil
30-80cm	Clay	10YR 5/4	Yellowish brown (mottled)	Few very large prevented further coring	Boulder Clay

**BOREHOLE 40**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-28cm	Silty Clay	10YR 5/3	Brown	Rare < 1cm	Topsoil
28-77cm	Clayey Sand	10YR 5/6	Yellowish Brown	None	Sand
77-89cm	Sandy Clay	10YR 6/4	Light Yellowish brown	None	
89-110cm	Clay	10YR 5/4	Yellowish brown	Occasional sub rounded	

**BOREHOLE 41**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-30cm	Silty Clay	10YR 5/3	Brown	Occasional < 1cm	Topsoil
30-100cm	Clay	10YR 4/6	Yellowish brown	Occasional	Boulder Clay

**BOREHOLE 42**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-24cm	Silty Clay loam	10YR 5/3	Brown	Occasional	Topsoil
24-90cm	Clay	10YR 4/6	Yellowish brown	Occasional	
90-100cm	Sand	10YR 4/6	Yellowish brown	None	Sand
100cm+	Stone				Hit stone discontinued

**BOREHOLE 43**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-30cm	Silty Clay	10YR 5/3	Brown	Occasional	Topsoil
30-40cm	Loam Sandy Clay	10YR 4/6	Yellowish brown (homogenous)		
40-90cm	Clay	10YR 4/6	Yellowish brown		Boulder clay
90cm+	Stone				Hot stone/hard substrate discontinued



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**BOREHOLE 44**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-34cm	Silty Clay	10YR 5/3	Brown	Occasional	Topsoil
34-74cm	Clay	10YR 4/6	Yellowish brown	None	Clay very firm
74-84cm	Sandy Clay	10YR 4/6	Yellowish brown	None	
84-116	Clayey Sand	10YR 4/6	Yellowish brown	None	Sand
116-130	Clay	10YR 4/6	Yellowish brown		Boulder Clay

**BOREHOLE 45**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-32cm	Silty Clay	10YR 5/3	Brown	Occasional	Topsoil
32-100cm	Clay	10YR 5/4	Mottled Yellowish brown		Boulder clay increasingly stoney with depth

**BOREHOLE 46**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-33cm	Silty Clay	10YR 5/3	Brown	Occasional	Topsoil
33-100cm	Clay	10YR 5/4	Yellowish brown		Boulder Clay

**BOREHOLE 47**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-42cm	Silty Clay	10YR 5/3	Brown	Occasional	Topsoil
42-70cm	Clayey Sand	10YR 5/4	Yellowish brown	None	
70-80cm	Sandy Clay	10YR 5/4	Yellowish brown	None	
80-100cm	Clay	10YR 5/4	Yellowish brown		Boulder Clay

**BOREHOLE 48**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-28cm	Silty Clay Loam	10YR 5/3	Brown	Occasional	Topsoil
28-38cm	Sandy Clay Loam	10YR 5/4	Yellowish brown	None	B horizon diffuse boundary
38-113	Sands and Gravel				Glacial sand and gravel unsorted (drumlin deposit)

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**BOREHOLE 49**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-42cm	Silty Clay	10YR 5/3	Brown	Occasional <1cm	Topsoil
42-100cm	Clay	10YR 5/4	Yellowish brown	Freq <2cm	Boulder Clay

**BOREHOLE 50**

Depth	Texture	Colour Munsell	Colour Description	Stoniness	Comments
0-33cm	Silty Clay	10YR 5/3	Brown	Occasional <1cm	Topsoil
33-100cm	Clay	10YR 5/4	Yellowish brown	Increasing with depth	Boulder Clay

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APPENDIX 2 FIELD-WALKING FINDS CATALOGUE

Artefact No.	Finds number	Material F = flint Ch = chert	Description
1	200	f	chunk red/brown
2	200	f	flake regular grey
3	202	f	blade grey mottled
4	203	ch	chunk grey
5	203	f	chunk honey
6	203	f	flake irregular secondary mottled brown
7	204	l	chunk dark grey smooth cortex
8	204	f	chunk dark grey smooth cortex patinated
9	204	l	chunk pale grey
10	205	l	chunk rolled pale grey patinated
11	205	f	chunk patinated white
12	205	f	struck pebble rolled cream patination
13	205	ch	chunk grey
14	205	f	bipolar core remnant patinated white
15	206	f	chunk grey patinated white abraded cortex
16	206	f	chunk grey rolled cortex
17	206	f	chunk grey abraded cortex
18	206	f	chunk grey patinated white
19	207	f	chunk rolled yellow patination
20	207	l	chunk pale grey white blooms of patination
21	207	f	chunk pale grey abraded cortex
22	207	f	flake fragment burnt retouched piece abrupt retouch along lhs of distal end of regular flake cream blooms of patination
23	207	f	
24	208	f	chunk dark grey white patination
25	208	f	struck pebble dark grey rolled cortex
26	209	f	chunk burnt/patinated white
27	209	f	chunk grey patinated cream
28	209	ch	scraper sub angled brown chert cream patination
29	210	f	chunk blue grey white patination rolled cortex retouched piece notched at either end probable usewear on all edges possible borer
30	211	f	
31	211	f	chunk pale grey rolled cortex
32	211	f	chunk blue grey white patination rejuvenation flake on platform core flawed 50% worked
33	212	l	platform honey flint
34	212	f	flake primary burnt
35	213	f	chunk grey white patination
36	214	f	chunk grey cream patination
37	214	l	chunk grey white blooms patination
38	214	f	chunk grey cream patination rolled cortex chunk grey cream patination use of single edge as scraper?
39	214	l	
40	214	l	flake inner honey

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Artefact No.	Finds number	Material F = flint Ch = chert	Description
41	214	f	chunk patinated cream
42	214	ch	flake inner irregular
43	215	ch	chunk dark grey patinated white
44	215	f	chunk pale grey patinated white
45	215	ch	chunk pale grey
46	216	f	platform core 50% worked platform honey
47	216	f	chunk honey rolled
48	217	f	flake primary abraded cortex flake inner regular grey edge damage along both lateral edges
49	217	f	flake inner irregular patinated white
50	218	f	bipolar core patinated white
51	218	f	chunk patinated white
52	219	f	chunk grey
53	219	f	chunk grey
54	219	f	chunk grey
55	220	f	chunk grey patinated white
56	220	f	chunk grey patinated white
57	220	f	chunk grey patinated white
58	220	f	chunk grey
59	220	f	chunk grey
60	220	f	platform core fragment
61	221	f	split pebble dark grey
62	221	f	chunk grey patinated white
63	221	f	chunk grey patinated white
64	222	f	chunk grey patinated white
65	222	f	chunk grey patinated white
66	222	f	chunk grey patinated white
67	222	f	chunk grey patinated white
68	223	f	chunk grey patinated white
69	223	f	chunk grey patinated white
70	223	f	chunk grey patinated white
71	224	f	chunk grey patinated white
72	224	f	chunk grey patinated white
73	224	f	chunk grey patinated white
74	224	f	flake fragment inner pink heat treated?
75	225	f	chunk grey patinated white
76	225	f	chunk grey patinated white
77	225	f	chunk grey patinated white
78	226	f	flake regular innergrey patinated cream
79	226	f	flake irregular inner grey patinated cream
80	227	f	flake irregular inner grey patinated white
81	227	f	chunk grey patinated white
82	228	f	chunk honey patinated cream rolled cortex
83	229	f	chunk grey patinated white
84	230	f	chunk honey rolled cortex
85	231	f	split pebble grey rolled cortex
86	232	f	chunk grey patinated white
87	232	f	chunk grey patinated white

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Artefact No.	Finds number	Material F = flint Ch = chert	Description
88	233	f	flake irregular inner patinated white
89	233	f	flake secondary mottled grey brown chalky cortex
90	235	f	chunk grey
91	236	f	chunk grey patinated white
92	236	f	chunk grey patinated cream
93	236	f	chunk grey
94	236	f	flake inner regular grey
95	236	f	flake inner irregular patinated cream rolled
96	237	f	chunk grey patinated white
97	237	f	chunk honey patinated white
98	238	f	chunk grey patinated cream abraded cortex
99	238	f	chunk grey
100	239	f	chunk grey patinated white
101	239	f	chunk grey patinated white
102	239	f	chunk honey patinated white rolled cortex
103	201	f	scraper convex endscraper honey regular inner flake
104	234	f	blade usewear along lhs grey cream blooms of patination
105	240	f	split pebble grey white patination abraded chalky cortex
106	240	f	flake inner irregular dark grey cream cortex
107	240	f	flake primary irregular dark grey rolled
108	241	f	scraper honey patinated cream retouched piece regular honey fine reg retouch applied to notch prox end rhs
109	241	f	
110	241	f	split pebble white blooms of patination rolled retouched piece reg flake honey very fine reg retouch along lhs edge damage along rhs
111	242	f	
112	242	f	chunk patinated white
113	243	f	chunk patinated white
114	243	f	split pebble grey white patination chalky cortex
115	243	l	chunk patinated cream
116	244	f	split pebble grey white patination rolled cortex
117	244	f	struck pebble grey cream patination chalky cortex
118	244	f	chunk honey patinated cream
119	244	l	chunk grey patinated white
120	245	f	chunk grey patinated white
121	245	f	chunk grey patinated white
122	246	l	chunk grey patinated white
123	246	f	chunk grey patinated white
124	247	f	chunk grey patinated white
125	247	f	chunk grey patinated white
126	247	f	chunk burnt
127	247	l	flake reg inner grey
128	248	f	chunk grey patinated white
129	248	f	chunk grey patinated white
130	248	l	chunk grey patinated white
131	249	l	split pebble grey rolled
132	249	f	chunk grey patinated white
133	249	f	chunk grey patinated white

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Artefact No.	Finds number	Material F = flint Ch = chert	Description
134	249	f	chunk grey patinated white
135	249	f	chunk grey patinated white
136	249	f	chunk grey patinated white
137	250	f	chunk grey white blooms of patination
138	250	f	chunk grey patinated white rolled
139	251	f	chunk grey patinated white
140	251	f	chunk grey patinated white
141	251	l	flake inner reg edge damage along rhs
142	251	f	flake inner irreg grey
143	252	f	flake fragment patinated white
144	252	f	flake reg secondary mottled grey brown chalky cortex
145	252	f	flake reg inner honey
146	252	l	chunk grey patinated white rolled cortex
147	252	f	chunk grey rolled white patination
148	253	l	chunk grey rolled white patination
149	253	l	chunk grey rolled white patination
150	253	f	chunk grey white patination
151	253	f	flake inner irreg grey
152	88	ceramic	Prehistoric pottery sherd
153	254	f	chunk grey white patination
154	254	f	borer on chunk grey white patination
155	254	f	chunk grey white patination
156	255	f	chunk grey white patination
157	255	f	chunk grey white patination
158	255	f	chunk grey white patination
159	255	f	borer on chunk grey white patination
160	255	l	chunk grey white patination
161	255	f	chunk grey white patination
162	255	f	chunk grey white patination
163	255	f	chunk grey white patination
164	256	f	blade dark brown secondary chalky cortex
165	256	f	chunk grey white patination
166	256	f	chunk honey white patination
167	256	f	chunk grey white patination
168	257	f	chunk grey white patination
169	257	f	chunk grey white patination
169a	258	f	chunk grey white patination
170	259	f	chunk grey white patination
171	259	f	chunk grey white patination
172	260	l	chunk grey white patination
173	260	f	chunk grey white patination chalky abraded cortex
174	261	f	borer grey flint
175	261	f	chunk grey white patination
176	261	f	chunk honey
177	261	f	chunk dark grey
178	262	f	chunk grey white patination
179	262	f	chunk grey white patination
180	262	f	chunk grey white patination

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
181	263	f	chunk grey white patination
182	263	f	chunk grey white patination
183	263	f	flake reg inner grey
184	263	f	flake reg inner grey
185	264	f	retouched piece regular abrupt retouch along rhs
186	264	f	chunk grey
187	264	l	chunk grey
188	265	f	chunk grey white patination
189	265	f	chunk grey white patination
190	265	f	chunk grey white patination
191	265	f	chunk grey white patination
192	265	f	chunk grey white patination
193	265	f	flake fragment grey
194	266	f	chunk grey white patination
195	266	f	chunk grey white patination
196	266	f	chunk grey white patination
197	266	f	chunk grey white patination
198	267	l	chunk honey
199	267	f	chunk honey
200	268	l	chunk grey white patination
201	268	l	chunk grey white patination
202	268	l	chunk grey white patination
203	268	f	chunk grey white patination
204	268	f	chunk grey white patination
205	268	f	chunk grey white patination
206	268	f	flake inner irreg grey cream patination
207	269	f	split pebble rolled grey cream patination
208	269	l	chunk grey white patination
209	269	l	flake grey reg inner
210	270	t	chunk red/brown rolled cortex
211	270	l	chunk grey
212	271	f	flake honey reg inner cream patination
213	271	f	chunk grey white patination
214	272	f	chunk grey white patination
215	272	f	chunk honey cream patination
216	273	f	chunk honey cream patination chalky rolled cortex
217	273	f	chunk honey cream patination
218	274	f	chunk grey white patination
219	274	f	chunk grey white patination
220	275	f	flake reg inner grey white patination
221	276	l	blade grey cream patination rolled
222	276	f	chunk grey
223	276	f	chunk grey
224	276	l	chunk grey
225	276	l	chunk grey
226	277	f	chunk grey
227	277	f	chunk honey cream patination
228	277	f	chunk grey white patination

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
229	278	f	chunk grey white patination
230	278	f	chunk honey white patination
231	278	f	chunk honey white patination
232	278	f	chunk honey white patination
233	278	f	chunk honey white patination
234	279	f	flake inner irreg rolled pat white
235	279	f	flake red brown inner irreg pat white
236	280	f	chunk honey white patination
237	280	f	chunk honey white patination
238	280	f	chunk honey white patination
239	280	f	chunk grey white patination
240	281	f	chunk grey white patination
241	281	f	chunk grey white patination
242	281	f	chunk grey white patination
243	281	f	split pebble honey white patination abraded cortex
244	281	f	chunk honey white patination
245	282	f	flake inner irreg red
246	282	f	chunk grey
247	283	f	scraper straight edge on primary irreg flake pat white
248	283	f	chunk rolled
249	301	f	chunk grey white patination
250	301	f	chunk grey white patination
251	301	f	chunk grey white patination
252	301	f	chunk grey white patination
253	301	f	flake fragment grey
254	302	f	chunk grey white patination rolled cortex
255	303	f	chunk honey rolled cortex
256	303	f	chunk white patination abraded cortex
257	304	f	split pebble honey white patination rolled cortex
258	304	f	chunk grey white patination
259	304	f	chunk grey white patination
260	305	f	blade inner honey
261	306	f	chunk grey white patination
262	306	f	chunk grey white patination
263	307	f	chunk grey white patination
264	307	f	notched flake white pat
265	307	f	chunk honey cream pat
266	308	f	chunk grey white patination
267	308	f	chunk grey white patination
268	308	f	chunk grey white patination
269	308	f	chunk grey white patination
270	309	f	chunk
271	309	f	chunk
272	309	f	chunk
273	309	f	flake inner irreg
274	310	f	chunk
275	311	f	chunk
276	312	f	chunk



Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
277	312	f	chunk
278	313	f	scraper or preform
279	314	f	chunk
280	314	f	chunk
281	315	f	chunk
282	315	f	chunk
283	315	f	chunk
284	315	f	chunk
285	316	f	chunk
286	316	f	chunk
287	316	f	chunk
288	316	l	bipolar core remnant
289	317	f	flake
290	317	f	flake fragment
291	318	f	bipolar core remnant
292	318	f	flake irreg
293	318	f	flake irreg burnt
294	319	f	chunk
295	319	l	chunk
296	319	f	flake irreg
297	319	f	flake irreg
298	320	f	flake reg
299	320	f	flake reg
300	320	f	chunk
301	320	f	chunk
302	320	f	platform core
303	321	f	chunk
304	321	f	chunk
305	321	f	chunk
306	321	f	chunk
307	322	f	flake irreg
308	322	f	blade
309	322	f	blade
310	323	f	flake frag burnt
311	323	f	chunk
312	323	f	chunk
313	324	f	blade rolled
314	324	f	chunk
315	324	f	chunk
316	325	f	flake irreg
317	326	f	chunk
318	326	t	platform core
319	327	f	flake reg
320	327	f	scraper side
321	328	f	borer honey flint
322	328	l	chunk
323	328	f	chunk
324	328	f	chunk

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
325	329	f	flake irreg
326	329	f	flake irreg
327	329	f	flake irreg
328	330	f	platform core rolled
329	330	f	flake irreg
330	330	f	flake irreg
331	331	f	edge damage on lhs edge of irreg flake possible scraper
332	331	f	flake irreg
333	332	f	chunk
334	332	l	chunk
335	332	f	flake irreg
336	332	f	flake irreg
337	333	f	flake reg
338	334	l	chunk
339	335	f	chunk
340	336	f	chunk
341	337	l	blade
342	338	f	flake reg with cutting edge damage along rhs dorsal face and scraping damage along lhs ventral face
343	339	f	scraper sub angled on chunk
344	339	f	chunk
345	340	f	flake reg
346	340	f	flake irreg
347	341	f	flake irreg
348	342	f	chunk
349	342	f	flake irreg
350	342	f	flake reg
351	343	f	chunk
352	343	f	flake irreg
353	344	f	chunk
354	344	f	chunk
355	344	f	chunk
356	344	f	flake irreg
357	344	f	flake irreg
358	345	f	chunk
359	345	f	chunk
360	346	f	scraper end
361	346	f	chunk
362	347	f	thumbnail scraper
363	347	f	flake reg
364	348	f	retouched piece regular abrupt retouch along distal end of irreg flake
365	348	f	flake reg burnt
366	349	f	flake irreg
367	349	f	flake irreg
368	349	f	chunk burnt/patinated white
369	349	f	amorphous core
370	350	f	scraper end

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
371	351	f	flake irreg
372	352	f	chunk
373	352	f	flake reg
374	353	f	chunk
375	353	f	chunk
376	353	f	flake irreg
377	353	f	chunk with usewear on edge
378	354	f	chunk
379	354	f	chunk
380	356	l	chunk
381	356	f	chunk
382	357	f	chunk
383	357	l	chunk
384	358	f	<b>borer</b>
385	358	f	chunk
386	358	f	chunk
387	358	f	flake reg
388	359	f	<b>scraper side</b>
389	2	f	flake irreg
390	2	f	chunk
391	3	f	<b>blade</b>
392	4	f	flake irreg
393	4	f	flake irreg
394	4	l	flake irreg
395	4	f	chunk
396	5	f	chunk
397	5	f	chunk
398	6	f	flake reg
399	6	f	chunk
400	6	f	chunk
401	7	f	flake irreg
402	7	l	flake irreg
403	7	l	flake irreg
404	7	f	chunk
405	8	f	chunk
406	8	f	chunk
407	8	f	chunk
408	8	f	chunk
409	8	f	chunk
410	8	f	chunk
411	8	f	chunk
412	8	f	flake reg
413	9	f	flake irreg
414	9	l	flake irreg
415	9	f	flake reg
416	10	f	chunk
417	10	f	chunk
418	10	f	chunk

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
419	10	f	flake irreg
420	12	f	chunk
421	12	l	flake irreg
422	12	f	flake reg
423	13	f	chunk
424	13	f	chunk
425	14	l	chunk
426	14	f	flake reg
427	14	f	flake reg
428	17	f	flake irreg
429	17	f	flake irreg
430	18	f	blade
431	19	l	knife
432	20	f	chunk
433	20	f	flake irreg
434	21	f	flake reg
435	21	f	flake reg
436	21	f	chunk
437	21	f	chunk
438	21	f	chunk
439	21	f	chunk
440	21	ch	chunk
441	22	f	chunk
442	22	f	chunk
443	23	f	chunk
444	23	f	chunk
445	23	f	chunk
446	23	f	chunk
447	23	f	chunk
448	24	l	chunk
449	24	l	chunk
450	24	f	chunk
451	24	f	chunk
452	24	f	flake irreg
453	25	f	piercer
454	25	f	chunk
455	25	f	chunk
456	25	f	chunk
457	25	f	chunk
458	25	f	edge damaged reg flake
459	26	l	flake irreg
460	26	l	flake irreg
461	28	l	flake irreg
462	27	f	flake irreg
463	27	f	chunk
464	27	l	chunk
465	29	l	chunk
466	29	l	chunk

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
467	29	f	flake irreg
468	30	f	flake irreg
469	31	f	chunk
470	31	f	chunk
471	31	f	chunk
472	32	f	flake reg
473	32	f	flake irreg
474	33	f	flake irreg
475	33	f	chunk
476	33	f	chunk
477	33	f	chunk
478	33	f	chunk
479	33	f	chunk burnt
480	34	f	platform core fragment
481	34	f	chunk
482	35	f	chunk
483	35	f	endscraper
484	36	f	chunk
485	36	f	chunk
486	36	f	chunk
487	36	f	flake irreg
488	36	f	irreg retouch along lbs ventral face flake irreg
489	38	f	platform rejuvenation flake irreg
490	38	f	possible mesolithic microscraper
491	38	f	chunk
492	38	f	chunk
493	38	f	chunk
494	39	f	chunk
495	39	f	chunk
496	39	f	chunk
497	40	f	borer
498	42	f	flake reg
499	42	f	flake reg edge damage
500	42	f	flake irreg
501	42	f	chunk
502	43	f	chunk
503	44	f	chunk
504	45	f	chunk
505	45	f	chunk
506	44	f	chunk
507	44	f	chunk
508	44	f	flake reg
509	47	f	flake reg
510	47	f	flake reg
511	47	f	chunk
512	47	f	chunk
513	47	f	chunk
514	49	f	flake reg

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
515	60	f	borer
516	60	f	chunk
517	60	f	chunk
518	60	f	chunk
519	61	f	scraper subangled
520	61	f	flake reg
521	61	f	flake reg
522	61	f	flake irreg
523	61	f	flake irreg
524	62	f	chunk
525	62	f	chunk
526	62	f	flake fragment
527	62	f	flake reg
528	63	f	chunk
529	63	f	flake reg
530	64	f	flake irreg
531	64	f	flake irreg
532	64	f	plat core
533	65	f	flake irreg
534	66	f	flake irreg
535	66	f	flake irreg
536	66	f	flake irreg
537	66	f	chunk
538	66	f	chunk
539	66	f	chunk
540	67	f	flake frag
541	67	f	retouched flake
542	67	f	chunk
543	67	f	chunk
544	68	f	chunk
545	68	f	chunk
546	69	f	chunk
547	70	f	chunk
548	71	f	chunk
549	71	f	chunk
550	71	f	chunk
551	72	f	flake irreg
552	72	f	flake irreg
553	73	f	chunk
554	73	f	chunk
555	73	f	chunk
556	74	f	flake reg
557	75	f	flake irreg
558	75	f	flake irreg
559	75	f	flake irreg
560	75	f	chunk
561	75	f	chunk
562	77	f	chunk

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
563	77	f	chunk
564	77	f	chunk
565	77	f	chunk
566	78	f	flake reg
567	78	f	flake reg
568	78	l	flake irreg
569	79	f	chunk
570	79	l	chunk
571	79	f	chunk
572	79	f	chunk
573	80	f	plat core
574	80	l	chunk
575	80	f	chunk
576	81	l	chunk
577	81	l	flake irreg
578	82	f	flake reg
579	82	l	chunk
580	82	f	chunk
581	83	f	flake irreg
582	83	f	chunk
583	84	f	flake irreg
584	84	f	chunk
585	84	f	chunk
586	86	f	chunk
587	86	f	chunk
588	89	f	chunk
589	89	f	flake irreg
590	90	f	flake irreg
591	90	f	chunk
592	91	f	endscraper
593	91	f	chunk
594	91	l	chunk
595	91	f	flake frag
596	91	l	flake irreg
597	92	f	flake irreg
598	92	f	chunk
599	92	f	chunk
600	93	f	chunk
601	93	f	chunk
602	93	l	chunk
603	97	f	borer
604	97	l	scraper fragment
605	97	f	flake reg
606	97	f	chunk
607	97	f	chunk
608	98	f	chunk
609	98	f	chunk
610	98	f	chunk

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
611	98	f	flake reg
612	99	f	chunk
613	99	f	chunk
614	50	f	retouched flake
615	50	f	chunk
616	50	l	chunk
617	50	f	chunk
618	51	l	plat core
619	51	f	flake reg
620	51	f	flake irreg
621	51	f	chunk
622	51	f	chunk
623	52	f	flake irreg
624	52	f	chunk
625	53	l	chunk
626	53	f	chunk
627	53	f	chunk
628	53	f	chunk
629	54	f	chunk
630	55	l	chunk
631	56	f	chunk
632	56	f	chunk
633	57	l	chunk
634	57	f	chunk
635	57	f	chunk
636	58	l	chunk
637	59	f	chunk
638	59	f	chunk
639	59	l	chunk
640	59	f	flake irreg
641	37	f	conical blade core
642	37	f	chunk
643	87	f	blade
644	77	Cannel coal	fragment of pierced cannel coal pendant?
645	125	f	retouched blade
646	15	f	endscraper
647	15	f	flake irreg
648	15	f	flake irreg
649	15	f	chunk
650	15	f	chunk
651	85	f	scraper
652	41	f	tortoise core
653	94	f	notched rejuvenation flake
654	105	f	flake irreg
655	105	f	chunk
656	105	l	chunk
657	96	f	knife
658	1	f	scraper



Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
659	11	f	notched blade
660	11	f	notched blade
661	95	f	endscraper
662	123	f	discscraper
663	46	f	chunk
664	46	f	chunk
665	16	f	blade
666	16	f	chunk
667	16	f	chunk
668	76	f	scraper fragment
669	76	f	chunk
670	76	f	chunk
671	76	f	chunk
672	76	f	chunk
673	111	f	flake reg
674	111	f	flake irreg
675	111	f	knife
676	48	f	plat rejuvenation flake reused as scraper
677	48	f	chunk
678	48	f	chunk
679	48	f	chunk
680	48	f	chunk
681	u/s	f	denticulated blade
682	u/s	f	retouched piece scraper like edges
683	101	f	flake irreg burnt
684	102	f	flake irreg
685	102	f	chunk
686	102	f	chunk
687	102	f	chunk
688	102	f	chunk
689	102	f	chunk
690	103	f	chunk
691	103	f	chunk
692	103	f	chunk
693	103	f	chunk
694	103	f	chunk
695	103	f	chunk
696	104	f	chunk
697	104	f	chunk
698	104	f	chunk
699	104	f	retouched flake
700	100	f	chunk
701	100	f	chunk
702	100	f	flake irreg
703	100	f	endscraper
704	106	f	plat core
705	106	f	flake irreg
706	106	f	chunk

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

Artefact No.	Finds number	Material F = flint Ch = chert	Description
707	106	f	chunk
708	107	f	flake irreg
709	108	f	<b>retouched flake</b>
710	108	f	flake irreg
711	109	f	flake reg
712	109	f	chunk
713	109	f	chunk
714	110	f	flake irreg burnt
715	110	f	flake irreg
716	110	l	flake irreg
717	112	f	flake irreg
718	112	f	flake irreg
719	112	f	flake irreg
720	112	l	chunk
721	113	f	flake irreg
722	114	f	flake reg
723	115	f	<b>notched and retouched blade</b>
724	115	f	flake irreg
725	116	f	chunk
726	117	f	chunk
727	118	f	chunk
728	118	f	chunk
729	118	f	chunk
730	118	f	chunk
731	119	f	flake irreg
732	120	f	chunk
733	121	f	chunk burnt
734	121	f	chunk
735	122	f	flake irreg
736	124	f	blade
737	124	f	chunk
738	126	f	flake irreg
739	127	f	plat core
740	128	l	flake irreg
741	129	f	flake reg
742	130	f	chunk
743	130	f	chunk
744	131	f	blade
745	131	f	chunk
746	132	l	chunk
747	132	f	chunk
748	133	f	chunk
749	133	l	chunk

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

APPENDIX 3 TRENCH SUMMARIES

**Trench 1**

*Dimensions* 95 m by 2 m  
*Total Area* 190 m<sup>2</sup>  
*Orientation* NW-SE  
*Depth to Subsoil* Between 0 26 m at north-west end and 0 28 m at south-east end  
*Finds* None  
*Features* Modern east to west aligned ploughmarks truncated natural subsoil  
*Significant Features* No significant archaeology present

**Trench 2**

*Dimensions* 6 25 m by 4 5 m  
*Total area* 28 m<sup>2</sup>  
*Orientation* N-S  
*Depth to Subsoil* Between 0 27 m at northern end and 0 28 m at southern end  
*Finds* None  
*Features* Modern ploughmarks truncated natural subsoil  
*Significant Features* No significant archaeology present

**Trench 3**

*Dimensions* 50 m by 2 m  
*Total area* 100 m<sup>2</sup>  
*Orientation* N-S  
*Depth to Subsoil* Between 0 28 m at N end and 0 30 m at S end  
*Finds* None  
*Features* Modern ploughmarks truncated natural subsoil  
*Significant Features* No significant archaeology present

**Trench 4**

*Dimensions* 6 25 m by 5 25 m  
*Total area* 33 m<sup>2</sup>  
*Orientation* E-W  
*Depth to Subsoil* Between 0 30 m at E end and 0 29 m at W end  
*Finds* None  
*Features* Modern ploughmarks truncated natural subsoil  
*Significant Features* No significant archaeology present

**Trench 5**

*Dimensions* 62 m by 2 m  
*Total area* 124 m<sup>2</sup>  
*Orientation* N-S  
*Depth to Subsoil* Between 0 28 m at N end and 0 27 m at S end  
*Finds* None  
*Features* Modern ploughmarks truncated natural subsoil  
*Significant Features* No significant archaeology present

**Trench 6**

*Dimensions* 50 m by 2 m  
*Total area* 100 m<sup>2</sup>  
*Orientation* E-W  
*Depth to Subsoil* Between 0 29 m at E end and 0 28 m at W end  
*Finds* None  
*Features* Modern ploughmarks truncated natural subsoil  
*Significant Features* No significant archaeology present

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

<b>Trench 7</b>	
<i>Dimensions</i>	108 m by 2 m
<i>Total area</i>	216 m <sup>2</sup>
<i>Orientation</i>	E-W
<i>Depth to Subsoil</i>	Between 0.32 m at E end and 0.31 m at W end. Up to 1.25 m deep within geological drainage feature
<i>Finds</i>	None
<i>Features</i>	Modern ploughmarks truncated natural subsoil. Numerous N-S aligned field drains of varying types including stone/rubble drains, ceramic and plastic. An area of deeper deposits probably represents a palaeochannel, approximately 31 m wide – see borehole logs for bores 5, 6, 9 and 10
<i>Significant Features</i>	No significant archaeology present
<b>Trench 8</b>	
<i>Dimensions</i>	94 m by 2 m
<i>Total area</i>	188 m <sup>2</sup>
<i>Orientation</i>	c NW-SE
<i>Depth to Subsoil</i>	Between 0.30 m at NW end and 0.31 m at SE end
<i>Finds</i>	None
<i>Features</i>	Modern ploughmarks truncated natural subsoil. Numerous N-S aligned field drains uncovered of varying types including stone/rubble drains, ceramic and plastic
<i>Significant Features</i>	No significant archaeology present
<b>Trench 9</b>	
<i>Dimensions</i>	5.25m by 5 m
<i>Total area</i>	26 m <sup>2</sup>
<i>Orientation</i>	NE-SW
<i>Depth to Subsoil</i>	Between 0.30 m at NE end and 0.30 m at SW end
<i>Finds</i>	None
<i>Features</i>	Modern ploughmarks truncated natural subsoil
<i>Significant Features</i>	No significant archaeology present
<b>Trench 10</b>	
<i>Dimensions</i>	105 m by 2 m
<i>Total area</i>	210 m <sup>2</sup>
<i>Orientation</i>	NE-SW
<i>Depth to Subsoil</i>	Between 0.32 m at SW end and 0.37 m at NE end
<i>Finds</i>	None
<i>Features</i>	Modern ploughmarks truncated natural subsoil. Numerous field drains Majority aligned N-S, uncovered. Various types found including stone/rubble drains, ceramic and plastic. Also an area of deeper deposits indicating the possible route of glacial water channel, approximately 36 m wide - see borehole logs for bores 5, 6, 9 and 10
<i>Significant Features</i>	No significant archaeology present
<b>Trench 11</b>	
<i>Dimensions</i>	5 m by 5 m
<i>Total area</i>	25 m <sup>2</sup>
<i>Orientation</i>	N/A
<i>Depth to Subsoil</i>	Between 0.31 m in S and 0.32 m in N
<i>Finds</i>	None
<i>Features</i>	Modern ploughmarks truncated natural subsoil
<i>Significant Features</i>	No significant archaeology present

Scarborough Business Park, Dunslow Road, Seamer: Phase 1 works

**Trench 12**

*Dimensions* 35 m by 2 m  
*Total area* 70 m<sup>2</sup>  
*Orientation* N-S  
*Depth to Subsoil* Between 0.28 m at N end and 0.26 m at S end  
*Finds* None  
*Features* Modern ploughmarks truncated natural subsoil  
*Significant Features* No significant archaeology present

**Trench 13**

*Dimensions* 81 m by 2 m  
*Total area* 162 m<sup>2</sup>  
*Orientation* NE-SW  
*Depth to Subsoil* Between 0.41 m at NE end and 0.27 m at SW end  
*Finds* None  
*Features* Modern ploughmarks truncated natural subsoil  
*Significant Features* No significant archaeology present

**Trench 14**

*Dimensions* 5.25 m by 5 m  
*Total area* 26 m<sup>2</sup>  
*Orientation* NE-SW  
*Depth to Subsoil* Between 0.32 m at NE end and 0.29 m at NE end  
*Finds* None  
*Features* Modern ploughmarks truncated natural subsoil  
*Significant Features* No significant archaeology present

**Trench 15**

*Dimensions* 62 m by 2 m  
*Total area* 124 m<sup>2</sup>  
*Orientation* E-W  
*Depth to Subsoil* Between 0.29 m at E end and 0.37 m at W end  
*Finds* None  
*Features* Modern ploughmarks truncated natural subsoil  
*Significant Features* No significant archaeology present

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APPENDIX 4 PHOTOGRAPHIC REGISTER

Colour Slide and Black & White Print – FILM NO 1

Shot No.	Area	Description	From
1-2	-	Registration shots	-
3-4	A	General view of Trench 1	SE
5-6	A	General view of Trench 2	S
7-8	A	General view of Trench 3	S
9-10	A	General view of Trench 4	E
11-12	B	General view of Trench 5	S
13-14	B	General view of Trench 6	W
15-16	D	General view of Trench 7	E
17-18	D	General view of Trench 8 (NW end of trench)	N
19-20	D	General view of Trench 8 (SE end of trench)	SE
21-22	D	General view of Trench 9	N
23-24	D	General view of Trench 10	NW
25-26	D	General view of Trench 11	N
27	C	General view of Trench 12	S
28	C	General view of Trench 13	SW
29	C	General view of Trench 14	N
30	C	General view of Trench 15	E
31	C	General view of Area C, from Station 5	E
32-33	A	General view towards Area A, from Station 5	S
34	B	General view towards Area B, from Station 5	SW
35-36	D	General view towards Area D, from Station 5	W