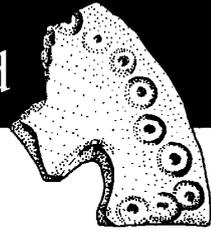


SUAT Ltd

archaeological
contractors



**ARCHAEOLOGICAL WATCHING BRIEF
COMMUNITY HOSPITAL
JOHN KNOX ROAD
ST ANDREWS**

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TB/CAM/SA61/12 March 2008

**ARCHAEOLOGICAL WATCHING BRIEF
COMMUNITY HOSPITAL
JOHN KNOX ROAD
ST ANDREWS**

SA61

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Illustration 1: Site location plan

Illustration 2: Detailed plan of features

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ABSTRACT

Morrison Construction commissioned SUAT Ltd to carry out an archaeological watching brief during the construction of the new Community Hospital at St Andrews. The work was carried out between the 4th December 2007 and 17th January 2008 in poor weather conditions.

The removal of the topsoil by a JCB and a bulldozer was monitored by three SUAT archaeologists who worked at different times during different stages of the development. The site revealed few features of archaeological interest apart from extensive evidence of medieval rigg and furrow running mainly on a north-south alignment.

The SUAT site code was SA61.

1 Background

1.1 Introduction

Morrison Construction commissioned SUAT Ltd to undertake an archaeological watching brief on the site of the new St Andrews Community Hospital and Health Centre. The proposed development area is a greenfield site 2.53ha in size located to the east of Morrisons Supermarket next to the A915, centred on NGR NO 5030 1530. The work (SUAT site code SA61) was undertaken during the period 4th December 2007 to 17th January 2008 in poor weather conditions. The requirement was to observe the removal of the topsoil and record any features which were revealed.

The work was designed to satisfy the archaeological condition on development application reference 07/01299/EARM.

1.2 Aims and Objectives

The main aim of this investigation was to establish the presence/absence, date, character and quality of any archaeological remains surviving within the development area.

1.3 Reporting

The present document has been prepared as the final report on this watching brief. Copies will be sent to the client, The Royal Commission on the Ancient and Historical Monuments of Scotland and the local authority Sites and Monuments Record.

1.4 Planning and Curatorial Issues

This watching brief is the final part of a programme of archaeological work designed to satisfy the outstanding archaeological condition on the planning consent for this development.

1.5 Acknowledgements

SUAT wish to thank Douglas Speirs, Steven Bathgate, Andrew Rigby, Peter Wadsworth and Gavin Lindsay for their assistance and guidance throughout this project. Morrison Construction funded this watching brief.

2 Details of Work

2.1 The Site (Illus 1)

The site was located roughly 1km south of St Andrews town centre next to the outer edge of the suburbs on arable fields which gently sloped down to the north. A road ran down the middle of the site effectively cutting the site into a western part and an eastern part. During heavy rain the site was liable to flooding at the northern boundary.

2.2 Archaeological Potential

There have been several isolated finds in the area including a **group IV stone axe**, a perforated stone and an **animal head handle/terminal** found by a metal detectorist.

In 1977, stone paving was noticed in an apparent old road surface on the A915 east of where Morrisons Supermarket now stands.

In 1979 at NO 506 153 a lynchet, formerly the boundary between Pipelands and Balbeildie, was removed by North East Fife District Council. Prior to removal the lynchet was surveyed, and a trench excavated through the highest part. The lynchet was found to have been originally a free-standing wall of coursed stones, set on a levelled platform of small stones in a foundation trench. The few finds were unstratified, and the date of the construction remains unknown.

In 1994 a watching brief was carried out along the line of the St Andrews Interceptor Sewer Pipeline from Pipeland Cottage to St Nicholas Farm. This was thought necessary because of a number of casual finds from the south of St Andrews including several stone axes and a bronze hoard. No archaeological remains were noted along the length of the pipeline, apart from numerous field drains, including one stone-lined field drain possibly of 18th century date. Sherds, glass, pipe stems and a relatively small number of other fragments were collected from field walking the pipeline route. Relatively few medieval sherds were identified.

2.3 Archaeological Method

The initial part of the watching brief consisted of monitoring the removal of topsoil by a JCB equipped with a toothless ditching bucket. This took place at the north end of the western part of the site as well as during the stripping of the area in the eastern part of the site. The monitoring was carried out by three SUAT archaeologists who worked at different times during different stages of the development. All features were described in note form, numbered, photographed (with scale) and their locations plotted using a hand held GPS unit.

After New Year, monitoring continued as topsoil was bulldozed off the mid to southern area of the western part of the site. The topsoil was pushed up into two spoil heaps; the northernmost heap was viewed by an archaeologist as it was removed in order to view any features which lay underneath.

With agreement from the local authority archaeologist, it was decided to terminate the watching brief in January because the site had revealed little archaeology besides extensive evidence of rig and furrow. Consequently the area under the southern spoil heap (western part of site) and a large part of the eastern part of the site were not viewed.

2.4 Results of Investigations

Plough Furrows

The stripping of the eastern part of the site revealed four possible plough furrows. (017) contained medieval pottery and was orientated roughly N-S, as was (020). Two further plough furrows were found in this area and were orientated NW-SE.

Eleven plough furrows were found in the northern area in the western part of the site and most of these were orientated roughly N-S. Furrows (005) and (012) both contained pieces of medieval pottery.

Only three plough furrows (N-S orientated) were discovered in-between the two spoil heaps. This was due to the difficulty of spotting furrows amongst the waterlogged, clayey natural in this part of the site. It is likely that (055), (057) and (059) are the northern extensions of three of the furrows found south of the southern spoil heap,

however due to the inaccuracies of handheld GPS systems, it is difficult to match them up precisely.

To the south end of the western part of the site were furrows (043), (045), (047), (049), (051), (053) which were parallel, N-S orientated and roughly equally spaced 8m apart. These furrows showed up well in the silty brown natural and extended underneath the southern spoil heap, see enhanced photo DSCF0975b, Folder: 07-11 Jan 08.

Other Features

An area of plough scars (021) was located in the eastern part of the site. Many of the scars were orientated N-S, see photo DSCF0922, Folder: 17-20 Dec 07.

Three land drains were uncovered during the watching brief. One of these drains (north of the site) was probably early 19th century and consisted of U-shaped sections of ceramic pipe set upside in a channel lined with slates, see photo DSCF0892, Folder: 04-08 Dec 07.

Two areas of stones were discovered to the south of the western part of the site (063) and (066).

3 Interpretation

Plough Furrows

The furrows across the site represent the surviving remains of rigg and furrow agriculture and are almost certainly medieval in date: the pottery discovered in furrows (017), (050) and (012) and across the site in general supports this hypothesis. Animal bone was also found in furrows and throughout the topsoil and reflects the practice of dumping of midden onto the fields to act as a fertilizer. The general orientation of the rigg and furrow seems to have been N-S, down the hill, but it seems there is a change in orientation to NW-SE in the NE part of the site, possibly representing a different phase of agriculture.

The discovery of rigg and furrow in this location is interesting as it shows that fields were being cultivated over 1km away from the centre of St Andrews in the medieval period.

Other Features

The plough scars are another sign that arable agriculture took place on the site, though we cannot say whether the scars were created recently or in the medieval period.

The land drains show that drainage has been a problem on this site in the recent past. A partial solution to the drainage issue was achieved by cutting a drainage channel next to the road that runs across the site, probably in the 19th century. The cause of drainage problems on the site is partly due to the band of natural sticky, clayey silt half way down the hill. This band caused the site to become heavily waterlogged during the topsoil stripping and hindered the discovery of plough furrows, see photos DSCF1004 and DSCF1005, Folder: 07-11 Jan 08.

The two groups of stones, when first uncovered, were thought to be part of a field boundary, but given that no other field boundaries were revealed, it seems more likely

that they represent natural boulders and stones which had never been cleared off the fields.

4 Conclusions and Recommendations

The development of the site at the Community Hospital at St Andrews revealed few features of archaeological interest save numerous medieval agricultural furrows. The discovery of these furrows shows that medieval rigg and furrow agriculture took place over 1km away from the historic core of the burgh.

4.1 Recommendations for Further Work

There are no recommendations for further work, however the ultimate decision rests with Douglas Speirs, the Fife Council Archaeologist.

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- "Small finds" *Discovery and Excavation Scotland*, 1977, 42.

Appendix 1 Context Register

<i>No:</i>	<i>Description</i>	<i>Phase</i>
001	Tarmac and bedding. 0.42m thick. Laid over (002).	Modern
002	Topsoil. Max thickness 0.30m.	-
003	Fill of [004]. Dark silty loam. Occasional modern pottery.	Medieval
004	Cut of plough furrow. Aligned N-S. 0.05m depth, 0.50m width.	Medieval
005	Cut of probable plough furrow. Aligned N-S. Irregular but slightly linear. 0.9m width, 0.12m depth.	Medieval
006	Fill of [005]. Very slightly humic grey mid brown sandy silt with brownish patches. Frequent charcoal and subrounded/subangular stones 1-7cm diameter. Small bone and sheeps tooth found.	Medieval
007	Cut of probable furrow. West of [005] aligned N-S. 0.10m depth.	Medieval
008	Fill of [007]. Very slightly humic grey mid brown sandy silt with brownish patches. Inclusions of frequent charcoal and subrounded/subangular stones 1-7cm diameter and small bone.	Medieval
009	Cut of posthole. Steep sided concave base. 0.17m diameter. Probably modern.	Modern
010	Post pipe fill of [009]. Mid brown humic sandy silt. Square post pipe 0.10-0.12m diameter.	Modern
011	Light fine sand fill surrounding (010) in [009]. Possibly decaying sandstone or post packing.	Modern
012	Cut of linear probable furrow. 0.12m width, 0.10m depth. Shallow U-shaped sides, undulating flat base.	Medieval
013	Fill of [012]. Dark brown sandy clay. Inclusions of frequent charcoal flecks and some heavily fragmented bone.	Medieval
014	Cut of suspected posthole. Turned out to be natural. 0.30m diameter, 0.05m depth. Shallow sides, undulating flat base with root system disappearing out south edge of base. Cut into reddish brown natural gravels.	-
015	Fill of [014]. Dark blackish brown sandy clay. Inclusions of small pebbles.	-
016	Medium reddish brown sandy clay subsoil. Frequent pebble and charcoal fleck inclusions. Fragment of clay pipe stem.	-
017	Cut of linear probable furrow. Aligned NW-SE. 1.50m width. Cut into (016). Pointed, tapering S terminal. N cut by sewer pipeline.	Medieval
018	Fill of [017]. Dark blackish brown sandy clay. Inclusions of frequent charcoal flecks and animal bone fragments. Animal tooth fragment and medieval pottery rim sherd.	Medieval

019	Cut of linear probable furrow. Aligned NW-SE tapering towards N, 1.16m width at S, terminal 6.80m length, 0.04-0.11m depth. U-shaped sides, undulating flat base dipping to E.	Medieval
020	Fill of [019]. Dark blackish brown sandy clay. Inclusions of infrequent charcoal flecks, badly fragmented animal bone.	Medieval
021	Dark reddish brown sandy clay subsoil with infrequent flecks of charcoal. Cut into by plough scars loosely parallel dipping to N. Dark blackish black sandy clay closely resembling topsoil fills scar cuts and continue to S site boundary.	-
022	Cut of natural circular feature. 0.30m diameter, 0.02m depth. Non distinct undulating sides and base with some rootlet activity. Likely a small dip in natural.	-
023	Fill of [022]. Dark blackish brown clay with some pebble inclusions. Almost identical to topsoil. Most likely a small patch of topsoil left from stripping of area.	-
024	Cut of linear probable furrow. NW-SE aligned. 0.08m depth, 0.47m width approx 5.0m length. Sloping U-shaped sides, undulating base.	Medieval
025	Fill of [024]. Heavily concreted dark blackish brown sandy loam. Inclusions of small pebbles, infrequent bone and occasional modern pottery fragments.	Medieval
026	Cut of linear probable furrow. Aligned parallel to [024] and 1.60m to the N. U-shaped sides with rounded base. 0.10m depth, 0.60m width. 8.0m length approx.	Medieval
027	Fill of [026]. Heavily concreted dark blackish brown sandy loam. Inclusions of small pebbles, infrequent bone and occasional modern pottery fragments.	Medieval
028	Cut of linear probable furrow. Aligned NW-SE. Very faint cut. V-shaped sides and sloping base. Shallow dip to the W. 1.80m width approx, 0.14m depth.	Medieval
029	Fill of [029]. Difficult to distinguish from subsoil. Dark blackish brown sandy clay. Inclusions of occasional charcoal flecks and small bone fragments.	Medieval
030	Mid reddish brown sandy clay subsoil. Cut into by faint plough scars roughly parallel aligned N-S. Inclusions of small pebbles, infrequent small bone fragments and charcoal flecks. Base sherd of medieval pottery.	Unknown
031	Thought to be cut of long, wide furrow but turned out to be natural surface runoff channel. Aligned N-S. (in eastern side of site). Up to 3.8m wide, 15cm deep.	-
032	Fill of [031] Grey brown sandy silt, much less red than the surrounding natural and fewer stones. Two sherds of medieval whiteware found. Large pieces of bone present. Coal and clinker also present.	-
033	Thought to be cut of furrow but turned out to be natural surface runoff channel. Aligned N-S. (in eastern side of site). Next to [031] Up to 2.2m wide, 10-12cm deep.	-
034	Fill of [033] Grey brown sandy silt, much less red than the surrounding natural and fewer stones. Coal and clinker present.	-
035	Linear furrow 2.3m wide and aligned N-S (in western side of site).	Medieval
036	Fill of [035] Dark brown humic sandy silt, contains large pieces of cow bone and coal and charcoal.	Medieval

037	Linear furrow west of [035], 1.3m wide only 5cm deep. Aligned N-S.	Medieval
038	Fill of [037] Dark brown humic sandy silt, contains coal and charcoal.	Medieval
039	Linear furrow west of [037], 1.3m wide 18cm deep. Aligned N-S.	Medieval
040	Fill of [039] Darkish brown silty sand with a moderate to loose compaction. No visible coal or charcoal, fairly steep-sided.	Medieval
041	Linear furrow west of [039] and next to main road, 2.9m wide, 10cm deep. Aligned N-S.	Medieval
042	Fill of [041] Dark brown sandy silt of moderate compaction. Quite humic and contains coal fragments.	Medieval
043	Linear furrow. Driven over by bulldozer before photo could be taken. Aligned N-S. At the south of the site. 1.5m wide. Land drain cut down its length. (Land drain 40cm wide). To the east of this furrow were five others roughly 8m apart.	Medieval
044	Fill of [043] Dark brown clayey silt with pieces of coal and charcoal.	Medieval
045	Linear furrow 2m wide east of [043]. N-S aligned	Medieval
046	Fill of [045]. Similar to (044).	Medieval
047	Linear furrow roughly 2m wide east of [045]. N-S aligned	Medieval
048	Fill of [047]. Similar to (044) and (046).	Medieval
049	Linear furrow roughly 2m wide east of [047]. N-S aligned	Medieval
050	Fill of [049]. Similar to (044), (046) and (048).	Medieval
051	Linear furrow roughly 2m wide east of [049]. N-S aligned	Medieval
052	Fill of [051]. Similar to (044), (046), (048) and (050).	Medieval
053	Linear furrow roughly 2m wide east of [051]. N-S aligned	Medieval
054	Fill of [053]. Similar to (044), (046), (048), (050) and (052).	Medieval
055	Cut of plough furrow. N-S aligned. Continuation of one of the furrows seen south of the N spoil heap. 1.4m wide, 12cm deep with very gently sloping sides.	Medieval
056	Fill of [055]. Grey brown dark humic clayey sandy silt with occasional small stones and pieces of coal.	Medieval
057	Cut of plough furrow. Same as [053] but where it appears north of the N spoil heap.	Medieval
058	Fill of [057]. Same as (054)	Medieval
059	Probable furrow cut. Truncated by bulldozer. N-S aligned. 1.5m wide with gently sloping sides.	Medieval
060	Fill of [059]. Mid brown slightly reddish clayey silt with frequent pieces of coal. Moderate compaction.	Medieval

061	Linear furrow. 17cm deep. N-S orientation. 1.5m wide.	Medieval
062	Fill of [061]. Mid grey brown reddish clayey silt with few stones. A lot of coal fragments.	Medieval
063	A large stone (60cm x 45cm x 30cm). Sub-rounded igneous boulder. Found near stones (066). Possibly part of field boundary, but probably just a natural boulder.	Unknown
064	Cut of plough furrow. Linear cut 1.4m wide and 14cm deep. N-S orientation. Found under S spoil heap.	Medieval
065	Fill of [064]. Mid brown darkish clayey silt with frequent angular gravel mainly 1cm dia. Frequent pieces of coal and animal bone also present.	Medieval
066	A group of four stones found near stone (063). One large boulder (70cm x 40cm) and three smaller stones. Possibly part of field boundary, but probably just a natural group of stones.	Unknown

Appendix 2 Photographic Register

Folder: 04-08 Dec 07

<i>Frames</i>	<i>Description</i>	<i>View</i>
DSCF0863	NW Corner – Pre-Excavation general site.	SW
DSCF0864	Pre-Excavation general site view from S. Boundary fence.	NW
DSCF0865	Pre-Excavation general site view from S. Boundary fence.	NE
DSCF0866	Pre-Excavation view of NW Corner of site from access road.	N
DSCF0867	Beginning of ground works in NW corner of site.	NE
DSCF0868	Beginning of ground works in NW corner of site.	N
DSCF0869	Initial topsoil removal in NW corner of site.	SW
DSCF0870	Pre-Excavation view of linear feature (003).	S
DSCF0871	General view showing (003).	SW
DSCF0872	General view showing (003).	S
DSCF0873	General view of NW Corner.	NE
DSCF0874	General view of NW Corner subsoil after some topsoil removed.	SW
DSCF0875	Pre-Excavation of plough furrow feature [005]	E
DSCF0876	Pre-Excavation of plough furrow feature [005]	SE
DSCF0877	Pre-Excavation of plough furrow feature [005]	NW

DSCF0878	Pre-Excavation of plough furrow feature [007]	NW
DSCF0879	Pre-Excavation of plough furrow feature [005]	NW
DSCF0881	General view of ground levelling in NW corner of site.	NW
DSCF0882	General view of ground levelling in NW corner of site.	NW
DSCF0883	Pre-Excavation view of posthole feature [009].	W
DSCF0884	Pre-Excavation view of posthole feature [009].	NW
DSCF0885	Post-Excavation view of posthole feature [009]	NW
DSCF0886	Pre-Excavation general view of NW middle strip of site.	SW
DSCF0887	General view of topsoil removal in NW corner of site.	W
DSCF0888	General view of laying of type one in levelled NW corner.	N
DSCF0891	Modern field drain.	S
DSCF0892	Detailed view of modern field drain.	S
DSCF0893	Modern field drain.	NNE
DSCF0894	Modern field drain.	NNE
DSCF0895	General view of cabin foundation trenches in NW corner of site.	W
DSCF0896	General view of topsoil removal and revealed service.	S
DSCF0897	Pre-Excavation of linear plough furrow feature [012]	SW
DSCF0898	Post-Excavation section view of feature [012]	SSW
DSCF0899	General view of topsoil removal progress in NW corner.	NW
DSCF0901	Pre-Excavation of natural feature [014]	N

Folder: 10-14 Dec 07

<i>Frames</i>	<i>Description</i>	<i>View</i>
DSCF0903	Post-Excavation of natural feature [014]	N
DSCF0905	General view of drainage problems in NW corner.	NW
DSCF0907	Section in NE corner of site showing topsoil depth and disturbance.	E
DSCF0908	General view of topsoil removal along N site boundary fence.	N
DSCF0909	Pre-Excavation of linear plough furrow feature [017] showing fill (018)	SSE

DSCF0910	Pre-Excavation of linear plough furrow feature [017] showing fill (018)	SSE
DSCF0911	Post-Excavation section of [017].	SW
DSCF0912	Pre-Excavation of linear plough furrow feature [019] showing fill (020)	NE
DSCF0913	Post-Excavation section of [019]	NE
DSCF0915	General view along N boundary showing gas and sewer pipelines.	NW
DSCF0917	General view along N boundary showing gas and sewer pipelines.	NW

Folder: 17-20 Dec 07

<i>Frames</i>	<i>Description</i>	<i>View</i>
DSCF0918	General view of plough scarring through subsoil on E boundary.	NW
DSCF0919	Plough scarring along E boundary area of topsoil removal.	N
DSCF0920	Specific view of plough scars through subsoil (021).	NW
DSCF0921	General view of plough scars and E site boundary.	N
DSCF0922	General view of plough scars and E site boundary.	NW
DSCF0923	General view of topsoil removal progress from S boundary.	N
DSCF0924	General view of topsoil removal progress from S boundary.	NW
DSCF0925	Pre-Excavation of natural feature [022] showing fill (023).	S
DSCF0927	Post-Excavation section of [022].	S
DSCF0928	General view of plough scars in subsoil along S boundary.	NW
DSCF0929	Pre-Excavation of linear plough furrow features [024] and [026]	SE
DSCF0930	Pre-Excavation of linear plough furrow features [024] and [026]	NW
DSCF0933	Post-Excavation section of [024]	NW
DSCF0934	Post-Excavation section of [026]	NW
DSCF0935	Pre-Excavation of linear plough furrow feature [028] showing fill (029).	NW
DSCF0936	Post-Excavation section of [028]	S
DSCF0937	General view of NW corner. Faint plough scarring in subsoil (030)	NW
DSCF0938	General view of NW corner. Faint plough scarring in subsoil (030)	N

Folder: 07-11 Jan 08

<i>Frames</i>	<i>Description</i>	<i>View</i>
DSCF0939	Natural runoff channel [031] at the NE corner of the site	S
DSCF0940	Natural runoff channel [031] at the NE corner of the site	S
DSCF0941	Natural runoff channel [033] at the NE corner of the site, next to [031]	S
DSCF0942	Natural runoff channel [033] at the NE corner of the site, next to [031]	S
DSCF0943	Natural runoff channel [033] at the NE corner of the site, next to [031]	S
DSCF0944	Furrow [035]	N
DSCF0945	Furrow [035]	N
DSCF0946	Zoomed in photo of furrow [035]	N
DSCF0947	Zoomed in photo of furrow [035]	N
DSCF0948	Post-excavation photo of furrow [039]	N
DSCF0949	Post-excavation photo of furrow [039]	N
DSCF0950	Furrow [041]	S
DSCF0951	Furrow [041]	S
DSCF0952	General shot of bulldozing of topsoil at western edge of site	S
DSCF0953	General shot of bulldozing of topsoil at western edge of site	S
DSCF0954	General shot of site	SE
DSCF0955	General shot of bulldozing of topsoil at western edge of site	S
DSCF0956	General shot of bulldozing of topsoil at western edge of site	S
DSCF0957	The new temporary cabins in the NW corner of the site	N
DSCF0958	Shot of ground during bulldozing; land drain in foreground.	E
DSCF0959	General shot of bulldozing of topsoil at western edge of site	S
DSCF0960	General shot of bulldozing of topsoil at western edge of site	NE
DSCF0961	Land drain seen during bulldozing of topsoil at western edge of site	SE
DSCF0962	Furrow [043] in the south of the site	S

DSCF0963	Furrow [043] in the south of the site	S
DSCF0965	Furrow [045] in the south of the site	S
DSCF0966	Furrow [047] in the south of the site	S
DSCF0967	General shot of stripping in the north of the site (western part of site)	E
DSCF0968	General shot of the furrows in the north of the site (western part of site)	E
DSCF0969	Furrow [049] in the south of the site	N
DSCF0970	General shot of the furrows in the north of the site (western part of site)	E
DSCF0971	Furrow [049] in the south of the site	N
DSCF0972	Furrow [049] in the south of the site	N
DSCF0973	General shot of the furrows in the north of the site (western part of site)	E
DSCF0974	Furrow [051] in the south of the site	N
DSCF0975	General shot of the furrows in the north of the site (western part of site). Four furrows can be seen in the shot, each roughly 8m apart.	NW
DSCF0975b	Enhanced version of DSCF0975	NW
DSCF0976	Furrow [051] in the south of the site	N
DSCF0977	Furrow [053] in the south of the site	N
DSCF0978	Furrow [053] in the south of the site	N
DSCF0979	Furrow [053] in the south of the site	N
DSCF0980	Furrow [055]	N
DSCF0981	Furrow [055]	N
DSCF0982	State of the fencing after the high winds	S
DSCF0983	General shot of the site	N
DSCF0984	General shot of the western side of the site	W
DSCF0985	General shot of the western side of the site, bulldozing in between N and S spoil heaps.	SW
DSCF0986	General shot of site	N
DSCF0987	General shot of the western side of the site, bulldozing in between N and S spoil heaps.	SSW

DSCF0988	General shot of site	S
DSCF0989	General shot of the western side of the site, bulldozing in between N and S spoil heaps.	S
DSCF0990	General shot of the western side of the site, bulldozing in between N and S spoil heaps.	S
DSCF0991	General shot of the western side of the site, bulldozing in between N and S spoil heaps.	S
DSCF0992	Furrow [057]	S
DSCF0993	Furrow [057]	S
DSCF0994	Furrow [059]	S
DSCF0995	Furrow [059]	S
DSCF0996	Furrow [061]	S
DSCF0997	Furrow [061]	S
DSCF0998	General shot of the site after heavy rain	S
DSCF0999	General shot of the site after heavy rain	S
DSCF1000	General shot of the site after heavy rain	S
DSCF1001	General shot of the site after heavy rain	SW
DSCF1002	General shot of the site after heavy rain	N
DSCF1003	General shot of the site after heavy rain	N
DSCF1004	General shot of the site after heavy rain	W
DSCF1005	General shot of the site after heavy rain	W
DSCF1006	General shot of the site after heavy rain	S
DSCF1007	Flooding to the north of the site	E
DSCF1008	Flooding to the north of the site	E
DSCF1009	Flooding to the north of the site	E
DSCF1010	Flooding to the north of the site	E
DSCF1011	Flooding of the houses to the north of the site	E
DSCF1012	Flooding of the houses to the north of the site	E
DSCF1013	Bulldozing up onto the southern spoil heap	W
DSCF1014	General shot of the site	N

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<i>Frames</i>	<i>Description</i>	<i>View</i>
DSCF1016	Feature [063], stone of possible field boundary (but probably natural)	W
DSCF1017	Feature [063], stone of possible field boundary (but probably natural)	W
DSCF1018	Feature [063], stone of possible field boundary (but probably natural)	W
DSCF1019	Feature [062], stone of possible field boundary (but probably natural)	W
DSCF1020	Feature [062], stone of possible field boundary (but probably natural)	W
DSCF1021	Feature [062], stone of possible field boundary (but probably natural)	W
DSCF1022	General shot of bulldozing the southern spoil heap	WSW
DSCF1023	General shot of bulldozing the southern spoil heap	SW
DSCF1024	General shot of bulldozing the southern spoil heap	SW
DSCF1025	General shot of bulldozing the southern spoil heap	S
DSCF1026	General shot of bulldozing away the southern spoil heap	SW
DSCF1027	General shot of bulldozing away the southern spoil heap	SW
DSCF1028	General shot of bulldozing away the southern spoil heap	W
DSCF1029	Furrow [064] underneath the southern spoil heap	S
DSCF1030	Furrow [064] underneath the southern spoil heap	S
DSCF1031	General shot of bulldozing away the southern spoil heap	NE
DSCF1032	General shot of bulldozing away the southern spoil heap	NE
DSCF1033	General shot of bulldozing away the southern spoil heap	NE
DSCF1034	General shot of bulldozing away the southern spoil heap	N
DSCF1035	General shot of site	S
DSCF1036	General shot of the southern spoil heap	SE
DSCF1037	General shot of the southern spoil heap	SE
DSCF1038	General shot of bulldozing away the southern spoil heap	N
DSCF1039	General shot of bulldozing away the southern spoil heap	N
DSCF1040	General shot of bulldozing away the southern spoil heap	N

DSCF1041	General shot of bulldozing away the southern spoil heap	NE
DSCF1042	General shot of the site	SE
DSCF1043	General shot of the site	E
DSCF1044	Seagull looking for worms	SE
DSCF1049	Seagull looking for worms	SE
DSCF1050	General shot of bulldozing away the southern spoil heap	E

Appendix 3 Finds list

Context No.	Material	Context Description	No. Of Bags	Description
U/S	Pottery	Base of topsoil	001	1 decorative medieval body sherd with dark green glaze
U/S	Pottery	Spoil heap	001	1 medieval rim sherd
U/S	Pottery	N/A	001	6 medieval body sherds
U/S	Pottery	N/A	001	2 conjoining medieval handle sherds
006	Tooth	Fill of plough furrow [005]	001	1 sheep/goat tooth
013	Bone	Fill of plough furrow [012]	001	1 bag of small fragments
016	Clay Pipe	Subsoil	001	1 stem fragment
018	Pottery	N/A	001	1 medieval base? sherd
018	Bone	N/A	001	1 bag of small fragments
030	Pottery	Subsoil	001	1 medieval base sherd
031	Pottery	Surface runoff	001	2 medieval? body sherds

Appendix 4 Discovery & Excavation in Scotland Entry

LOCAL AUTHORITY:	Fife Council
PROJECT TITLE/SITE NAME:	Community Hospital, St Andrews
PROJECT CODE:	SA61
PARISH:	St Andrews & St Leonards
NAME OF CONTRIBUTOR(S):	Tamlin Barton
NAME OF ORGANISATION:	SUAT Ltd
TYPE(S) OF PROJECT:	Watching Brief
NMRS NO(S):	NO51NW 45, NO51NW 122, NO51NW 46, NO51NW 64
SITE/MONUMENT TYPE(S):	Rigg and Furrow, plough scars
SIGNIFICANT FINDS:	Decorated medieval pottery, medieval green glaze pottery, medieval whiteware
NGR (2 letters, 8 or 10 figures)	Site centred on NO 5030 1530
START DATE	04 December 2007
END DATE	12 January 2008
PREVIOUS WORK (incl. <i>DES</i> ref.)	None
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	<p>Morrison Construction commissioned SUAT Ltd to carry out an archaeological watching brief during the construction of the new Community Hospital at St Andrews. The work was carried out between the 4th December 2007 and 17th January 2008 in poor weather conditions. The removal of the topsoil by a JCB and a bulldozer was monitored by three SUAT archaeologists who worked at different times during different stages of the development. The site revealed few features of archaeological interest apart from extensive evidence of medieval rigg and furrow running mainly on a north-south alignment.</p> <p>The SUAT site code was SA61.</p>
PROPOSED FUTURE WORK:	None
SPONSOR OR FUNDING BODY:	Morrison Construction
CAPTIONS FOR ILLUSTRS	-
ADDRESS OF MAIN CONTRIBUTOR:	SUAT Ltd, 55 South Methven Street, Perth PH1 5NX
ARCHIVE LOCATION (intended)	NMRS

EMAIL ADDRESS:

Director@suat.co.uk

Appendix 5 Standard Terms of Reference for all Fieldwork

5.1 Recording Methodology

SUAT employs a Single Context Recording System that allows full cross-referencing of stratigraphy, finds and environmental samples, as well as site-wide phasing. All features will be planned at scale 1:20, and sections drawn at scale 1:10. Sections and profiles will be drawn and all features will be photographed with metric scale included. Environmental samples will be taken from archaeologically significant contexts, if the analysis of these samples would aid significantly in the interpretation of any features identified.

5.2 Human Remains

If human remains are encountered they will be left in situ and the local police will be informed. If removal is required this will take place in compliance with Historic Scotland's Policy Paper *The Treatment of Human Remains in Archaeology*.

5.3 Products and Reporting

A Data Structure Report will normally be prepared within a period agreed within the Written Scheme of Investigation/ Project Design, after the completion of the fieldwork. This forms the basic level of reporting. Further reporting may be required on the basis of discoveries made during excavations.

A copy of the report and the project archive will be deposited in the NMRS. Further copies will be sent to the client, LAAO and others, as appropriate.

5.4 Artefacts

Finds of objects will be subject to the Scots Laws of Treasure Trove and *Bona Vacantia*. SUAT will report such finds, if recovered, with supporting documentation to the Secretariat of the Treasure Trove Panel for disposal to the appropriate museum.

5.5 Discovery and Excavation in Scotland

A brief summary of the results will be submitted to *Discovery and Excavation in Scotland*.

5.6 General Conditions and Health and Safety

SUAT adheres to the Code of Conduct of the Institute of Field Archaeologists.

SUAT has public liability insurance of £5,000,000. Details of this can be provided on request.

SUAT operates a strict health and safety policy and conforms to the Health and Safety at Work Act. SUAT undertakes Risk Assessments on all fieldwork carried out.

All SUAT representatives will at all times wear protective footwear, high visibility clothing and other appropriate clothing. Hard hats will be worn if there is active plant on site or at all times if the site is deemed a hard hat area.

If lightly contaminated deposits are uncovered disposable boiler suits and gloves will be worn. A source of clean water will be made available for staff to clean hands with. If the health risk posed by site contamination is felt to be too high all further archaeological work will stop in that area.