

Site Location: Watson Road Park lies within the South Shore area of Blackpool,

approximately 0.7km to the due east of Blackpool Pleasure Beach. Centred at SD 31307 33486 the Park sits within an area of housing

estates and is bounded to the east by Yeadon Way.

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War Practice Trenches at Watson Road Park, Blackpool.

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Summary

This report presents the results of a community archaeological excavation of the *Loos* and *Arras* Trenches at Watson Road Park, Blackpool, (centred SD 31307 33486) in July 2014. This excavation was undertaken as part of a continued series of works being carried out by Blackpool Council, to assess the levels of archaeological resources within the area of South Shore.

The excavations were conducted in a partnership between the Centre for Applied Archaeology (CFAA), Nigel Niel Archaeology Services, Blackpool Council, and the Friends of Watson Road Park Group.

In total four trenches were excavated during the archaeological works at Watson Road Park, two open area excavation trenches, with the aims of locating *Lavenite* (trench One) and *Rotten Row* (Trench Two), and two evaluation trenches, with an aim of evaluating the spread for potentially surviving First World War archaeology.

The excavations took place between 7th and 19th of July 2014 to be inclusive of the local community volunteers. The excavation had a total of 55 participants which included people considered:

| ☐ Unemployed/Job Seekers |
|---|
| ☐ Retired/ long term Sick |
| ☐ School, College and University Students |
| ☐ Air Force Cadets/Duke of Edinburgh volunteers |

During the excavations carried out in July 2014, a total four trenches were opened in order to ascertain the level of survival of the archaeological material associated with the *Loos* and *Arras* WWI practice trenches

Trench One showed evidence of the *Laventie* front line trenches particularly in contexts (040)[041] and [045] (044) [048] (047), these archaeological remains were recovered for a sealing layer of parks materials; notably contexts (043) (049) showed substantial windblown deposits and were laid above the archaeology.

Trench Two held some evidence of WWI material within the contexts [014] (015) [018] (019), and were given the interpretation as belonging to the *Guinchy* trench system. Similarly to T1, T2 had a capping layer of parks material throughout the trench, seen in context (010)

Trench Three gave little to no defined evidence attribute to the WWI practice trenches, and Trench Four offered some low level potential WWI features seen only in the section face, with no clear defined boundaries.



The archaeology uncovered at Watson Road Park, reflects the history of the area as predominantly parks and recreational ground, although some evidence of the WWI practice trenches were uncovered during the excavations, the only substantial evidence to confirm the presence of the WWI trenches were seen in Trenches One and Two, whereas Trenches Three and Four offered only ephemeral potential evidence.



1. Introduction

1.1 Background

The Centre for Applied Archaeology (*CfAA*) was commissioned by Blackpool Council to undertake an archaeological evaluation at on the land of Watson Road Park, centred on (SD 31307 33486), South Shore, Blackpool.

The purpose of the evaluation was to identify as far as possible the nature, extent and significance of the archaeological resource so as to enable informed recommendations to be made for the future treatment of any surviving remains. This information was required in to inform Blackpool Councils, Heritage Lottery Fund application to further investigate the surviving archaeological resources at Watson Road Park.

1.2 Location, Topography & Current Land Use

Watson Road Park lies within the South Shore area of Blackpool, approximately 0.7km to the due east of Blackpool Pleasure Beach. The site centred at SD 31307 33486 to the south the park is bounded by Watson Road, and to the west the park is bounded by Thrilmere road. The immediate surrounding area of Watson Road Park is largely residential, with few shops and light industrial units. Yeadon Way which is located to the east of the study area, spanning from the southeast boundary to the northeast boundary of the site, has moderate traffic flow; however, this is above the site on an embankment, which has been present throughout the historical use of the park area.

Topographically the study area sits on a bedrock of Sidmuth mudstone, with overlaying sedimentary deposits of storm beach gravels and sands (British Geological Survey). The area has wide spanning deposits of windblown sands underlying the topsoils.

The current land use of Watson Road Park is that of recreational ground, with a large open grassed area, several copses of trees and shrubs. There is a children's play area, and a hard grounded multi games area to the south east of the site. There is a bowling green which is a fenced area to the immediate north of the site, and the boundary for Yeadon way, formerly the Lancashire to Yorkshire railway line, spans the south eastern north eastern boundary of the area.

1.3 Personnel

The project was conducted by professional archaeologists from the CfAA. On-site excavations were conducted by Kirsty Whittall with support from Nigel Niel Archaeological Services. The report was compiled, written by Kirsty Whittall and illustrated by Karl Lunn. The project was managed by Adam Thompson.



1.4 Monitoring

The project was monitored by Mike Nevell, Director of Archaeology, Adam Thompson, Principal Archaeologist, CfAA, University of Salford, along with Peter Iles, Lancashire County Archaeological Service (LCAS), and Carl Carrington of Blackpool Council.



2. Historical Background

The following historical background provides a brief overview of the development of the study area from the Prehistoric through to the modern day. A more in depth historical account of the study area is contained within the Historical Towns Survey, from which a majority of this information is derived. [LCAS: 2005:16-23]

2.1 Prehistoric period

Much of the prehistoric material from the North West of Britain is contained within upland areas, and largely consists of monuments and settlements; there are few examples of prehistoric activity in the low lands of the North West. The evidence of prehistoric activity of the low lands is predominated by chance finds of stray items, such as arrow heads, worked lithics and axe heads.

Blackpool and the surrounding area have low levels of prehistoric evidence. The Poulton Elk, was uncovered in 1970, which consisted of a largely well preserved male elk, with hunting evidence present by way of flint arrowheads embedded within the animal, the elk was dated using a calibrated Radio Carbon date to 13,500BC – 11,500BC placing this evidence within the Palaeolithic period. [LCAS: 2005]

A single account of the destruction of a round cairn is given in the historical town assessment, stating that a cairn was present until the construction of "Stonyhill Lodge" 0.8km directly to the South West of the Watson Road.

2.2 Roman Period

The only known evidence of Roman activity from within the Blackpool area, comes from the discovery of a small hoard of Roman coins found amongst the sand dunes, in the area now occupied by Blackpool Pleasure Beach in 1907. In 1937 a single Roman coin was uncovered in the area of Stony hill.[Archaeological Data Service.]

The increase of industrial activity during the industrial revolution of the 19th and 20th centuries and the associated mass expansion of residential buildings is a potential reason for the low levels of Romano and Prehistoric evidence from the North West of Britain, caused by rapid changes in the development of the industrial landscape of this region.

There is no other evidence of Roman activity within the area of Watson Road Park or Blackpool.



2.3 Medieval Period.

Watson Road Park lies within an area known as South Shore, previously; this area fell within the land boundaries associated with Bispham and Norbreck, further to the south. Bispham is thought to mean the 'lands of the Bishop', and perhaps formed the core of Athelstan's grant to York Minster of part of Amounderness in AD 937 The Domesday Book states that the manors of Bispham, Layton and Marton were held by Earl Tostig before the Conquest as part of his lordship of Amounderness (Farrer and Brownbill 1912, 246). The settlements of Bispham, Little Bispham and Norbreck within Bispham manor probably existed by the twelfth century. [LCAS:2005]

The first reference to Blackpool as a place appears to be in 1416 when, along with the manors of Layton, Bispham and Norbreck, the estate of Sir William Boteler contained "Le Pull" (Fishwick 1887, 7). This reference within a land grant was to more than a tidal stream outlet and indicates that the name was being applied to a settled land holding. There is no indication, however, that Blackpool consisted of more than a handful of properties by the end of the sixteenth century, although the contemporary parish registers of Bispham and Poulton indicate at least three or four families living there c1600 (Roeder 1904, 2).[LCAS:2005]

2.4 Industrial Period

The first house was built at South Shore in 1819 (Smith 1959, 92), and from its inception the settlement appears to have been intended as a resort. By 1838 it was a definable, independent settlement, although it contained only about fifty properties (LRO DRB 1/122). During the mid-nineteenth century South Shore was a rival resort to Blackpool, acting as a separate focus for urban expansion. In 1845 the *Lancaster Gazette* reported on the phenomenal growth of both settlements. Such was the desirability of land in South Shore that it had risen in value from 3d to 3s 6d per square yard in a matter of about three years (Smith 1959, 96). In 1857 it was stated that South Shore, 'an extensive suburb, to the south [of Blackpool], already contains several excellent hotels and private residences. It will shortly be joined to Blackpool. Indeed at the present time they are generally regarded as one town' (Hardwick 1858, 551).[LCAS:2005]

By 1859 there was a continuous line of villas and summer cottages from Claremont, north of Blackpool town centre, all the way to South Shore (Porter 1859, 15). At that time South Shore consisted of 'a collection of pretty houses arranged in rows facing the sea, with a few short streets known as Dean St, Church St, Bolton St &c' (Porter 1859, 27). The expansion of Blackpool during the second half of the nineteenth century ensured that South Shore was physically absorbed sooner rather than later, and by 1890 it formed the southern end of Blackpool's built up area (OS 1:2500 1895). [LCAS:2005]

2.5 20th Century

During the 20th Century, South Shore underwent a phase of substantial redevelopment, including the expansion of the leisure buildings, amusements and hotels. The area directly surrounding the site was developed as a residential area.



The study area is first noted as a recreational area on the 1932 1:2,500 Ordinace Survey Map (see fig 33) previous to this the 1911 1:10,00 OS Map shows the study area as an open field systems, with minimal field boundaries. There is no cartographic evidence available for the period between these dates.

The development of the open field systems to the Loos and Arras Practice Tranches occurred around 1914, at the beginning of the First World War, with the construction of the practice trenches. In 1916 the Loos and Arras trenches where opened to the public as a guided tour, the use of the study area as a tourist attraction ended in 1918 and the Loos and Arras Trenches were closed and backfilled.

The study are then became a park and recreational area by 1932, and developed into a park and putting green around 1964, as shown on the 1964 1:2,500 OS Map of the area.

The function of the Watson Road Park, has not changed from a recreational park since its establishment in 1932, there has been minimal alterations to the park and grounds, with the exception of the rebuilding of the wings on the park pavilion building, and the refurbishment of the childrens play area, including the addition of a multi-purpose hard surfaced sports area. The current use of the study area is that of a parks and recreational.



3. Methodology

3.1 Excavation Strategy

The aim of the archaeological excavation at Watson Road Park was to progress our understanding of the form and character of the buried remains associated with the WWI Practice Trench systems. This information was required in to inform Blackpool County Council, Heritage Lottery application for funding to further investigate the archaeological remains of Blackpool's role in World War One (WWI).

Discussions with Carl Carrington (Blackpool Council) and the "Friends of Watson Road Park" led to the design of four trenches with specified locations and aims, within the boundary of Watson Road Park, totalling 50m of trenching with a 10m contingency. The locations of all trenches excavated were informed by Arial Photography, Geophysical Survey results and documented evidence. For trench locations please see fig 27.

Trench 1: Measured 12.80m x 9.00m and was positioned over the Laventie Trench system, with the aim to identify the front line trenches.

Trench 2: Measured7.50mx6.10m, which was positioned across communications trench named *Rotten Row*, with the aim of uncovering part of a large linear communications trench.

Trench 3: Measured 3.00m x 9.00m open area excavation located over the *Cheminde-Luxe*, with the aim of uncovering the fall back lines of Watson Road and to evaluate the level of conservation within the Eastern areas of the site.

Trench 4: Measured 9.00m x 1.00m evaluation trench, located across trench Number 04, and Number 03, with the aim to evaluate the level of remains and complexity of any potential re-cutting of the Watson Road Trenches.

3.2 Excavation Methodology

All archaeological features selected (stratigraphical layers, cuts, fills, structures) were evaluated by hand tools and recorded in plan at 1:20 or in section at 1:10 using standard single context recording methods with photographs to be taken as appropriate.

Removal of modern overburden (topsoil and subsoil) was by mechanical excavator with a 1.6m toothless ditching bucket under the supervision of a professional archaeologist acting as a banksman. Removed overburden was stored on a single



mounded spoil heap located at an appropriate distance away from the main open area excavation and within the fenced edges of the compound. Machine excavation continued in 100mm spits until either natural geological deposits or significant archaeological deposits were identified.

During the machine excavation and until the programme of archaeological works was completed, the open area of excavation and spoil heaps were surrounded by Herras fencing, located not less than two metres away from the edges of the trench.

During the machine excavation Carl Carrington of Blackpool Council and Peter Isles of LCAS were consulted at regular intervals. If significant archaeological deposits are identified Blackpool Council would immediately be informed.

Following machine excavation all areas were cleaned by hand and archaeological features recorded by photography and scaled plan.

3.3 Recording Methodology

A unique text-number site code was created prior to the commencement of the programme of works. The site code for this programme of works was **BPL14.** Separate contexts were recorded individually on CfAA pro-forma context sheets. In this report all fills and layers are contained within rounded brackets (***) and all features and cuts are in square brackets [***]. Plans and sections were recorded on CfAA pro-forma drawing sheets at an appropriate scale of 1:10, 1:20, or 1:50, depending on the complexity of the data and features encountered. All drawings were individually identified and cross referenced, contexts enumerated and principal layers and features annotated with OD level information.

A 'site location plan' indicating site north based on the current Ordnance Survey 1:1250 map (reproduced with the permission of the Controller of HMSO) was prepared. This was supplemented by a trench plan at 1:200 (or 1:100), which will show the location of the areas investigated in relation to the investigation area and National Grid Reference. The location of the OS bench marks used and the site TBM will also be indicated.

The OD height of all principal strata and features was calculated and indicated on the appropriate plans and sections.

Photography of all relevant phases and features were undertaken with digital formats. General working photographs were taken during the duration of the archaeological works, to provide illustrative material covering the wider aspects of the archaeological work undertaken. A copy of the digital photographs will be made available to the curatorial body, with the production of this technical archaeological report.



All finds to be recorded by context. Significant "small finds" located within three dimensions to the nearest 10mm and bagged and labelled separately, numbered and a simple description made so that they can be identified within the assemblage.



4. Archaeological Descriptions

4.1 Archaeological Descriptions

The archaeological remains described below pertain to the excavations undertaken during July 2014 at Watson Road Park, South Shore, Blackpool, the excavations described below were undertaken with the aim to assess and evaluated the preservation and significance of archaeological remains within the study area, with particular interest on the archaeological remains of the WWI *Loos* and *Arras* Practice trenches.

All archaeological materials were overlain by context (001) which refers to the subsoil layer directly under the turf line, appearing as a mid-dark brownish black organic soil horizon with moderate root activity and occasional small stone inclusions. The layer appeared to undulate within the strata due to the deposition of natural windblown sand.

The underlying natural soils of the area of the study area, were a light yellowish sandy layer with some mid to dark yellow mottling, mostly reflecting natural sands, with windblown deposits.

4.2 Trench One:

Trench One (T1) was "L" shaped in plan, orientated east/west it measured 12.80m in length and 9.00m in width, located across the proposed area of the *Laventie* front line trenches.



Figure 1: Image showing T1, with inclusions of mid trench baulk.

Below (001) within the northwest corner of T1, a linear feature (031)[032] was identified orientated north west/south east; [032] was steep sided and flat based measuring 1.80m in width, 3.50m in length and 0.60m in depth. Contained within [032] was (031) a mid to dark brownish yellow loose sandy loam fill, with occasional small stone inclusions and minimal root activity. [032] ran under the baulk between the northwest corner of T1 and the western extension.





Figure 2: Image showing the South section face of (031)[032] at the northwest of T1, also showing the baulk extension to T1.

In the main body of the T1 a linear Feature [041](040) was identified, orientated northeast/southwest in T1, [041] was steep sided and flat based feature measuring 3.50m in length, 2.50m in width and 1.50m in depth. (040) was a mid to dark brownish brown sandy loam material containing flecks of dark humic material with some small sub rounded stones >0.03m and moderate root inclusions. Also contained within (040) was (054) which was visible in the in the section face as a striated mid to dark brownish orange and possible reflects a turf line. [041](040) ran beneath the northeast/southwest mid trench baulk.

To the east of the main body of T1, a linear feature [045](044) was identified, orientated east/west in the east of T1, [045] had steep sides and a flat base measuring 2.70m in length and 2.40m in width with a depth of 0.55m. Contained within [045] was (044) a mid to light greyish grey sandy loam with frequent stone inclusions >0.02m and some occasional windblown material was visible in the western section face. [045] ran beneath the northeast/southwest mid trench baulk.



Figure 3: Image showing relationship between WWI Trench (040)[041], WWI trench (044)[045] and the T1 mid trench baulk.



A Linear Feature [048](047) was visible in the south eastern extension of T1, [048] was orientated northeast/southwest and measured 0.60m in length, 1m in width and 0.92m in depth. [048] was steep sided and flat based and contained (047). (047) was a mid-dark brownish brown sandy loam material with some occasional root inclusions and sporadic small stones >0.03m. (047) contained striations of windblown deposits visible in the northern section face; further striations to the northwest/northeast of the northern section face appear to be isolated to the edges of the northern section face, possibly reflecting turf [048](047) ran beneath (049) weathered layer.



Figure 4: Image showing the northern section face of the eastern extension of T1, with potential turf line revetment of the WWI trench (047)[048]

A weathered layer of sediment which was identified as context (049) appeared as a mid-light greyish grey dry sandy layer of weathered sandy material, (049) had moderate sub circular small stones >0.03m and frequent root inclusions and extended across of the entirety of T1. The layer capped all the visible archaeological materials and ran beneath (043).

A strata of weathered material was identified as context (043) and appeared as a mid to light yellowish grey dry sandy layer of weathered sand material which overlay all features within T1. (043) is visible in the south western extension, underlying (121) parks and recreational material.

A curvilinear feature [120](121) was identified running northeast/southwest in the south western baulk extension, [121](120)was cut into (043) and appeared as a mid to dark brownish brown humic loam material, with frequent inclusions of small sub rounded stones >0.05m, and is considered to be of parks and recreational material, cut into and overlying (043) weathered sand layer.



4.3 Trench Two:

Trench Two (T2) was a rectangular open area excavation, located over the proposed area of *Rotten Row* aligned north to south in orientation trench two measured 7.50m in length and 6.10m in width. T2 had two extensions to expand the trench in line with the archaeological remains uncovered. Extension one was to extend trench two to the west and measured 4.60m in length and 1.80m in width. Extension two was to extend T2 to the east, and measured 2.40m in length and 1.20m in width.



Figure 5: Image showing pre-excavation of T2

Linear [010](011) was mid to dark brownish brown linear in a north /south orientation, located the within T2, very steep sided although flat bottomed, measuring 10.00m in length, 3.00m in width and 0.23m in depth. Linear [010] (011) contained moderate small sub rounded stone inclusions >0.05m and occasional fragmented 19th century ceramics, ferrous metals and clay pipe stems.

Feature [012](013) was a mid-dark brownish brown sub circular feature with a loose loamy sand, measuring 1.40m in length, 2.50m in width and to a depth of 0.22m at the western edge of T2. [012](013) had moderate inclusions of sub circular stones >0.5m.



Figure 6: Image showing the western extension of T2.

Linear [014](015) a mid to dark greyish brown linear feature in an east/west orientation located within the western extension of trench two. Measuring 0.70m in width, 1.28m in length and 0.90m in depth, some very occasional small stone inclusion >0.02m with moderate level of root disturbance with multiple striations in section from windblown deposits, some items recovered including 19th century shot gun cartridge and ferrous metal cables, cut by Linear [010](011).

Linear feature [016](017) was a loose sandy, mid - dark brownish grey loamy sand filled linear running in an east/west orientation in T2, with some moderate root inclusion disturbance and very occasional small stones >0.03m. [016](017) runs adjacent to and intersects [014] (015) in the upper most stratum, directly beneath [010] (011).





Figure 7: Image showing the preexcavation cut of WWI [014](015)



Figure 8: Image showing the eastern section face of WWI [014](015) post excavation.

Linear [018] (019) was a steep sided flat based feature within the southern part of T2, running in an south east/north west in orientation.[018] (019) had a mid to dark brownish black sandy loam fill, with some root inclusions and minimal stone inclusions; there was a moderate level of disturbance.[018] (019) measured 2.00m in length, 0.70m in width and to a depth of 1.25m

A layer of material (020) was identified and comprised of sandy loam of a mid – dark reddish brown loose material, with moderate root inclusions and occasional small stones >0.05m, overlaying an area in the north east of T2.

A layer of archaeological material (021) was identified and comprised of sandy loam of a mid-light reddish yellow loose material, with moderate root inclusions and occasional small stones >0.05m lay against (020) and beneath [010] (011).

A Lens of material (023) was identified as a sandy loam of a mid to dark greyish brown loose material, with some low level root disturbance and occasional small stone inclusions >0.05m. (023) was a lens of sandy loam sediment located in the eastern extension to T2.



Figure 9: Image showing the relationship between (020) and (021) underlying (011) in T2.



4.4 Trench Three:

Trench Three (T3) was an open area excavation trench, position across the proposed are of the *Chemin-de-Luxe* and was orientated north to south. The trench was excavated manually during the 2 week excavations and measured 9.00m in length and 3.00m in width.



Figure 10: image above showing T3 pre-excavation, with parks material inclusions at the northwest trench edge.

A linear feature [105](108) was identified at the northeast of T3, measuring 1.50m in length, 0.90m in width and 0.45m in depth and orientated northeast/southwest, cutting (103). [105] was a steep sided and flat based feature, filled by (108). (108) was a mid to dark brownish brown sandy loam with frequent small stones >0.05m and occasional root inclusions. [105] ran below (106) and approached [107](110).

Linear feature [107](110) was to the west of T3, measuring 1m in length and 0.40m in width, orientated northeast/southwest. (110) was a mid to dark sandy loam material with occasional small stones >0.01m and sporadic root inclusions. [107](110) ran beneath (106).

A layer identified in context (106) appeared as a dark brownish brown humic sandy loam material which overlaid the entirety of archaeological deposits within T3, (106) had moderate sub circular stone inclusions >0.05m and moderate root inclusions, possibly parks and recreational material.

A layer identified in context (103) was a layer of mid to light greyish yellow sand material laying below (106) at the northwest corner of T3, there were no visible inclusions and some low level root inclusions.





Figure 11: Image shows T3 post excavation, with three linear sections placed across the T3.



Figure 12: Image showing the southern section face in T3, highlighting the cut of [105](108) potential WWI remains.



4.5 Trench Four:

Trench Four (T4) was an evaluation trench positioned across the proposed area of *Number 04* it was aligned north to south and measured 9m in length and 1m in width.



Figure 13: Image showing an overall shot of T4 in pre-excavation.

The cut of a potential ditch feature **[056]** was identified showing steep sides and an uneven base, [056] was orientated east/west and interacts with [070](073). [056] measured 1.50m in width and 1.10m in depth. **(077)** was a mid to light greyish grey with moderate dark brownish brown layers of possible peat material. Some small stones >0.03m inclusions and moderate large root inclusions, [056] was potentially WWI material.

A shallow linear [070] with sloping sides was also identified in the section face, [070] measured 1.25m in length and 0.25m in depth, with a mid to dark brownish brown sandy loam soil, with occasional small stone .0.03m inclusions and some moderate root inclusions. [070] is orientated east/west and underlays (057) and is cut by [056].

A potential archaeological deposit [069](072) was identified in the section face and measured 1.05m in width and 0.50m in depth, orientated east/west with steep sides and an uneven base, [069](072) does not approach features to the south and is cut into (055) parks material which overlies all T4 features, [069] contains fills (072) and (060), (072) had moderate inclusions of windblown sand deposits creating a striated face in section along with occasional inclusions of sub rounded stones >0.03m and measured 2.10m in width and 0.20m in depth. (060) is a mid to dark reddish brown fill overlying (072); with moderate root inclusions with occasional sub rounded small stones >0.03m. (060) measured 2.65m in width and 0.25m in depth.





Figure 14: Image showing the western section face of T4, identifying ditch feature [056] (077)

A layer of natural sand (078) was visible underlying all features within T4, it appeared as a mid to light yellowish grey loose mottled sandy loam, with moderate root inclusions and occasional sub rounded stones >0.03m.

Layer (055) was a mid to dark brownish black humic sandy loam layer with frequent root inclusions and sub rounded small stones >0.03m, (055) reflects possible parks and recreational material and overlays all features within T4.



Figure 15: Image showing western section face of T4, identifying ditch feature [069](070)





Figure 16: Image showing the western section face of T4, identifying potential ditch feature [068], showing fills (071) and (060).



5. Archaeological Results

Throughout the excavated areas of Watson Road Park, a stratum of parks and recreations archaeological deposits was present to a depth of 0.30m and this created a complexity of deposits within the archaeology as the parks and recreation remains [010](011) were laid against, cut into and effectively sealing the underlying the potential World War One evidence.



Figure 17: showing the machine excavation of T1.

Trench One:

The location of trench one was directly behind the park pavilion. The location identified the potential remains of the *Laventie* front line practice trenches of the *Loos* and *Arras* trench system.

During the excavations several features became evident within Trench One as potential areas of World War One (WWI) activity.

(039) was located at the north west of trench one. Due to the length, width and orientation of the feature, a half section was excavated on the eastern edge of the linear. (039) appeared to be of a mid-dark orange brown in colour, with a sandy loam consistency. The half section when excavated revealed that the linear feature had sloping sides and a shallow depth, the feature was isolated in the north west of trench one, with no other discernable archaeological features approaching or intersecting (039). Post excavation analysis of (039) suggested that although the feature appeared to be similar in plan as other potential WWI linear feature present in trench one, the results of the half section revealed (039) that this feature is not of WWI construction, and may reflect curvilinear flower beds associated with Watson Road Park.





Figure 18: image showing linear (038) in the northwest of T1, pre baulk extension.

Linear feature (040)[041] was located in the north of trench one, and was evaluated as being of significant archaeological interest, due to the location and proximity to the suggested *Laventie* front line trench system of the loos trenches. The linear was orientated north east /southwest, and appeared as a large mid to dark brownish grey linear. The linear (040)[041]. The linear showed evidence of a turf revetment within the southern section face, this appeared as multiple mid to dark brownish orange striations within to the east of the southern section face.

Linear (044)[045] was located in the south east of Trench One, and was identified as being of significant archaeological interest due to the proximity to (040)[041] and the suggested location of the *Laventie* trenches. The linear was orientated south east / north west within trench one, and entered into the second baulk section which segmented trench one on a north west/south east axis. The baulk section also reflected a potential turf revetment, similar to that within the southern section face of (040), appearing as multiple mid to dark brownish orange striations. Due to the retention of a mid-trench baulk for the purpose of stratigraphic analysis, there was no discernable evidence for the relationship between [041] and [045].

Linear (065) was identified during the excavations of the south western extension to trench one as a potential linear feature. The linear appeared as a mid to dark brown linear, with orange striations within the section face of the extension. Further cleaning revealed at this linear (065) showed potential evidence of a turf revetment, similar to those found in (044) and (040) linear features. The linear (065) appeared to be orientated north west / south east, although only a small segment of this linear was visible in the south western extension.

Throughout T1 a covering layer of weathered material was identified, (049) was a layer of mid to dark greyish grey material which was present within trench one, the layer appeared as a weathered layer of sand, which overlaid features (040), (044) and (065) within the body of trench one. This layer was present within the uppermost strata of the potential WWI material, and was inferred as a windblown sandy deposit



overlaying the backfilled of the trenches at Watson Road. The layer held occasional small sub rounded stones >0.05cm, and was well compacted.

Located above (049), (043) appeared as a layer of material which was present within the body of trench one, similar to the windblown sandy deposit of (049) although differing to (049) due to the inclusions of frequent small sub rounded stones, and 20th century items such as stone wears and blue transfer wears. (043) overlaid (049) within trench one, and as such was inferred as being of Parks and Recreation deposition, indicating the lower stratums of flowering beds, with only the occasional undulation of windblown sands.

A potential curvilinear feature (051) was identified as a mid to dark brownish brown loam based feature present in the large south eastern extension to trench one, (051) was the only identifiable feature present within the extension, and appeared as a curvilinear feature. The feature was not excavated and recorded in plan, and identified as a flower bed.



Figure 19: Image showing the northern section face of [041](040) WWI practice trench in T1.



Figure 20: Image showing the potential relationship between WWI [041](040), WWI [045](044) and T1 mid trench baulk.

Trench Two:

The location of trench two (T2), was to the north west of the park pavilion, and orientated in a north/ south alignment. The aim of T2 was to assess the levels of conservation of *Rotten Row*, which was a linear trench in the centre of the trench systems at Watson Road Park.

The objective was to identify the location of *Rotten Row*, and to assess the orientation and location in relation to the *Laventie* front line trenches and to act as a baseline for the excavation of other trenches.

T2 had a sub soil of a mid to dark blackish brown sandy loam soil, with occasional root activity and frequent small sub rounded stone inclusions. In section the sub soil showed undulations possibly relating to the deposits of windblown sand which was characteristic of the sub soil underlying the turf across the entirety of Watson Road Park.

During the excavation of T2, several features became apparent immediately, most notably a large mid to dark linear feature [010](011) which ran in a north/south orientation for the entire length of trench two. Trench two was aligned north/south, which would uncover *Rotten Row* in east-west orientation.

The large mid to dark brown linear [010](011) was a 3.00m wide linear which ran the length of the trench, a small slot was excavated to the north of the linear gave evidence that [010](011) was a steep sided flat base feature to a depth of 0.23m suggesting that the linear feature [010](011) is not of WWI construction, however, the linear does span the length of trench and is laid over all other features contained



within trench two. Linear [010] (011) is inferred as being as of Parks and Recreation material, no significant items were recovered from this context.



Figure 21: Image showing parks material [010](011) in T2, capping all archaeology.

To the north west of trench two, a sub circular feature [012] (13) was uncovered during the initial cleaning stage, the feature was of a mid to dark brownish brown in colour and had a dry sandy soil consistency. The feature was to the immediate west of linear feature [010] (011) and approached the west cut of [010](011) although at no point did [012](013) intersect the liner [010](011). The sub circular feature was directly north and cut into linear feature [014](015), to a depth of 0.22m. This feature was inferred as being of Parks and Recreational material, and cut into the linear [014](015) which is positive WWI material.

Linear [014] (015) which lay within the west of trench two, was aligned in an east-west orientation, running under linear [010](011) and cut by sub circular feature [012](013). The feature appeared as an ephemeral linear during the initial cleaning of the trench; however, upon further investigation through a rectangular section, it became apparent that this was a significant feature within trench two.

Linear [014](015) appeared as a mid to dark blackish brown, sandy silt loam based fill contained within a very steep sided and flat based cut. The items recovered from this feature were a shell of a shotgun cartridge identified as a .12 gauge paper cartridge, and a small piece of potential communications wire. Both items were recovered from the middle stratum of [014](015).

The eastern section face of [014] (015) identified that within the strata of fill (015) contained within [014], there was a large quantity of redeposited sand, windblown sands and moderate root disturbance. There was no evidence of turf revetments within the fill (015) or the eastern section face, unlike that found in trench one.



The interpretation of the linear feature [014] (015) is that of positive WWI material, however, it appeared to be too narrow in comparison to the areal images of *Rotten Row*, also linear [014] (015) was lacking in the turf revetment which surrounded *Rotten Row*.



Figure 22: Image showing the section placed across WWI feature [014](015) at the western edge of T2.

Directly to the south of linear [014] (015) a second shallow linear was identified, [016] (017) appeared as a mid – light brownish brown sandy loam material, laid adjacent to the linear [014] (015). Through excavation of a rectangular section, the linear was a sloping sided with an uneven base, and intersected linear [014] (015) in the upper most stratum to the eastern section face. There were no items recovered from this feature, and the shallow depth of 0.20m suggests that this linear is of Parks and Recreation material.

Linear feature [018] (019) was a mid to dark brownish brown, silty loam fill of a linear running north west / south east within the south of T2. The feature appeared in the south western corner of a machine slot, which was placed over the southern part of the linear feature [010] (011) at the beginning of the excavation. Subsequently this section was extended to the west and north in order to ascertain the identification of the linear [018] (019).

During the excavation of the western and northern extensions to the southern machine slot, it became apparent that linear [018] (019) was a significant feature within T2 Further excavation of the linear feature [018] (019) revealed that it was a deep trench, with evidence in the southern section face of limited turf revetment. The base of the trench was flat and a single item of a highly corroded plate of ferrous metal was uncovered lay on the base of the linear. The metal sheet was inferred as trench amour or blast plate. Linear [018] (019) was to a depth of 1.20m with steep sides, and was inferred as positive WWI material.



Trench Three

The location of trench three (T3) was to the due north of the Watson Road Park pavilion, measuring 9.00m in length and 3.00m in width, the aim of this trench was to excavate an area of potential archaeological interest, and possibly locate the fall back line of the *Chemin-De-Luxe*.

The trench was opened as a trail excavation of an area which reflected poorly on the resistance survey [Merrony and Reid:2013] which had been carried out by the University of Sheffield, previous to the archaeological works starting. The trench was excavated manually and encountered significant parks and recreation archaeology, by way of a former sand bunker a remnant feature of the pitch and put.

The underlying sub soil of T3 was a mid to dark humic layer which undulated within the strata similar to the sub soil present in trenches one and two. A layer of windblown sand deposit appearing as a weathered layer (100) was present underlying the sub soil and capping any underlying potential archaeological features.

Excavation of this weathered layer (100), uncovered several potential archaeological features, appearing as linear features aligned in a north east to south west orientation. Subsequently three slot sections where location across these linear features for further investigation.

Linear feature (103) appeared as a mid to dark mottled sandy sediment, within the north west area of trench three, and was inferred as the potential original ground surface at the time that the *Loos* trenches were excavated. Sediment layer (103) did not appear to intersect any other features.

Linear feature [105] appeared as a steep sided flat bottomed linear feature running from south west – north east within the north area of trench three, underlying (100), although no relationship was evident with fill (103) Although there was enough evidence within the construction of the feature to suggest that this linear may be representative of an earlier phase of activity than that of the parks and recreation material. However, the linear was highly disrupted by the construction of the later pitch and put and no items were recovered, as such this linear is offered as a potential area of archaeological interest.

Throughout T3 the level of disturbance the parks and recreational material was significant, the weathered windblown sand layer capping the archaeology was present underlying the parks material and several linear features could be identified, although highly disturbed and ephemeral in places. To this extent, the evaluation of the archaeology within this area of the park is inconclusive to WWI evidence.





Figure 23: Image showing the pre-excavation shot of T3.

Trench Four

Trench four (T4) was manually excavated as a rapid evaluation trench, located across the potential Loos trench $Number\ 04$. The 1918 guidebook plan shows that $Number\ 04$ is a linear feature running from the front line Guinchy to the fall back line Chemin-de-Luxe. The aim of the excavation was to ascertain if there were any remaining archaeological features associated with $Number\ 04$, and their level of conservation within the north of the Loos trenches.

The trench measured 9m in length and 1m wide, and was located to the north of trench two and the west of trench four, in an area close to the edge of the tree line and directly south of the Bowling Green.

Due to the natural undulations within the weathered layer and frequent inclusions of tree root disturbance, T4 was excavated fully (boxed) to allow a full view of the relationships between archaeology within the section face. The trench offered some evidence of potential archaeological activities, in the form of several intercutting linear features.

The Linear feature (055)[056] was located in the southern end of T4, it appeared as a mottle brownish orange fill of friable sand, and contained frequent root inclusions and small stones >0.03m. This linear was the only feature within trench four which



appeared to have potential as an earlier phase of activity underlying the parks and recreational materials.

T4 offered several other potential features, however, due to the proximity of the trench to the tree line, and without sectioning each individual linear, due to the difficulty in visual appearance of these linears in plan, no inference can be made against these as features.

The result of the rapid evaluation of the T4 are was inconclusive to positive identification of WWI material, due to the ephemeral nature of the features found in trench four, the high root disturbance and the capping of the archaeology by an undulating re-deposited natural layer, trench four suggests that further investigation of this area is required.



Figure 24: Image showing the mid excavation of T4, identifying linears in plan.

6. Discussion

6.1 Discussion of Archaeological Remains at Watson Road Park.

During the excavations it became evident that the sub soils and underlying weathering layer associated with the windblown sands were covering and effectively sealing the majority of the potential archaeology at Watson Road Park. Along with the added complication of occasionally deeply stratified parks and recreational activity, much of the archaeology pertaining to the *Loos* and *Arras* trench systems, was disturbed and damaged.

The features associated with the WWI materials, were identified within T1 and T2. T3 and T4 were to highly impacted by parks activity and environmental factors for a confirmation of WWI activities to be made.

Although located within a park environment, there were a low number of items were recovered during the excavations, several glass sherds and ceramic sherds were recovered, however these were collected within the upper strata of the trenches, and considered to be found within sub soil and top soil layers.

Items recovered from the deep archaeology of the practice trenches, included a small fragment of potential communications cable, a glass bottle, 12 gauge shotgun shells, and a potential trench armoury plate. With the exception of the armoured plate, all items were recovered from the upper fill areas.

The excavations gave some evidence of the trench systems which lay beneath the park area; however, only trench one and two had confirmed WWI evidence. Four practice trenches in total where uncovered during these excavations, and these were located over the suggested area of the *Laventie* front line in trench one and *Guinchy* front line in T2.

The excavations within trench one were successful in the identification of the *Laventie* front line; the front line appeared under the greyish brown weathered layer as mid to dark brownish brown linears. Further excavation of these linears confirmed the presence of WWI activity within this area, and a subsequent excavation of the [041] linear and its relationship to linear [081] confirmed the characteristic "zig-zag" formation of the *Laventie* front line.

The excavations in T2, were successful in the identification of WWI Activity, however, the location and aim for T2 were unsuccessful. The initial research aim for T2 was to locate and evaluate *Rotten Row*. T2, however, was located further west than planned due to the oblique aerial photography used in the planning of the trench locations. Although unsuccessful in locating *Rotten Row* the depth of the practice trenches uncovered within T2, and the direction and orientation, along with the artefactual evidence suggest that trench two was successful in locating the area of the *Guinchy* front line which housed a machine gun point.



T3 was located over the *Chemin-de-Luxe*, a fall back line orientated north west/south east upon excavation however, there was no significant evidence for a confirmation of WWI activity to be made.

T4 was located to west of T4, with an aim to locate practice trench *Number 04*. However, no significant evidence was found for the confirmation of WWI activity within this trench.

The discovery of the remains of the *Loos* trench system allows for an expansion of knowledge into the construction of trench warfare in sandy soils. The trench systems were active as a training area for two years, before being transferred to the governance of the Convalescent hospital which opened the study area to the public as a tourist attraction. The conversion of area offers a significant social reflection of Blackpool as a tourist location and as such would be considered of being a valuable asset to Blackpools local and regional histories. The trench systems being located under Watson Road Park allowed the archaeological remains of the *Loos* trenches to be relatively stable, as the continued use of Watson Road Park as a recreational area prevented increased heavy and intrusive industrial disturbance throughout the years. There is evidence of disturbance associated with the parks activity; however, the intrusions appeared to be isolated somewhat to the central park area, without significant intercutting of the front line trenches to a destructive level. Further investigation is strongly advised to ascertain the varying levels of parks and recreation intrusions across Watson Road Park.

6.2 Recommendations for further investigation.

Below is a brief outline of the potential further investigations and further works which may be considered in reflection of the results of the July 2014 community excavation at Watson Road Park.

Geophysical Survey:

A geophysical survey of the area of Watson Road Park was carried out by the University of Sheffield in 2013, this survey concentrated on the underlying resistance of ground to ascertain differentiations which would determine potential anomalies. As the underlying geology of Watson Road Park is predominantly sand based sediments, the resistance survey proved to highlight only minor key features within specific areas of the site. These highlighted anomalies informed the location of the trenches during the excavations of July 2014; however, further geophysical survey with a complimentary technique such as magnatometry or ground penetrating radar (GPR), may offer further insights as to the underlying anomalies across the site of Watson Road. A secondary, supportive, geophysical survey of the area is highly recommended as a non-invasive exercise.

Excavation:

Further to the excavations carried out during July 2014, the area of Watson Road Park, would benefit from further investigation, in order to expand the understanding of the remaining Loos trench systems, and to evaluate the levels of parks and recreational material intrusions into the surviving trenches.



Community involvement within future excavations is highly advised, as this involvement will allow the local society to identify and interact with the archaeology and history of Blackpool in a manner which may not be readily available through objective activities (museums).

This report and the potential to expand community excavations at Watson Road Park, may be used to aid an informed Heritage Lottery Fund application.

Information:

Public information boards should be considered for Watson Road Park, in order to allow the general public to understand and appreciate the park as an open public space and historically significant area, these should also aim to inform the general public about Blackpool as a local, regional and national historical town.

Community Involvement:

The excavations conducted in July of 2014, had a large community involvement, the volunteers arranged and registered by Blackpool Council, attended the site for excavation and training during the two week schedule of works.

The volunteers ranged in age and experience, and offered training in archaeological field practice while on site. In total 70 people were registered to attend with an attendance of 55 people of the two weeks, resulting in an 82% attendance rate, of which 100% gave indication that they would participate in another excavation, workshops, tours and other historically and archaeologically related activities.

Publicity

The excavations at Watson Road Park benefitted from wide publicity which aided the recruitment of volunteers and raised the awareness of the site and the work being conducted. The following is a list of local and regional press coverage:

- BBC Lancashire
- Archaeologyuos (Blog)
- The Gazette newspaper in Blackpool
- North West Evening Mail
- Radiowave local radio station in Blackpool

The location of the excavations in an area of open public space, aided the publicity of the excavations to the extent that 3 additional volunteers had been visiting the park, made further inquiries resulting in 3 additional volunteers. The Friends of Watson Road Park, aided greatly in the publicity and hospitality of the excavation.



7. Archive

The archive comprises a historical map regression, historical photographs and historical research notes. This archive is currently held by the Centre for Applied Archaeology and a copy of this report will be forwarded to the client following the publication of the site report.

A copy of this report will be deposited with the Greater Manchester Historic Environment Record held by the Greater Manchester Archaeological Advisory Service.



8. Acknowledgements

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The on-site excavations were conducted by Kirsty Whittall and Nigel Neil. This report was written by Kirsty Whittall and illustrated by Karl Lunn.



9. Sources

Bibliography

Brennand, M. (eds). 2007, Research and Archaeology in North West England: An Archaeological Research Framework for North West England, Volume 2. The Association for Local Government Archaeological Officers North West and English Heritage with the Council for British Archaeology North West.

Department for Communities & Local Government, March 2012. National Planning Policy Framework (NPPF)

Institute for Archaeologists. 1994, revised 2001 & 2008. Standard and Guidance for Archaeological Field Evaluation.

Lancashire County Council, 2005, "Lancashire Historical Town Survey Programme: Blackpool" pdf

Neil, N, 2012 "Desk Based Assessment of the "Loos/Arras" First World War Practices Trenches at Watson Road Park, Blackpool" pdf

Maps

Ordinance Survey Map 1848

Ordinance Survey Map 1893

Ordinance Survey Map 1894

Ordinance Survey Map 1911

Ordinance Survey Map 1912

Ordinance Survey Map 1932 revision 2

Ordinance Survey Map 1932 revision 3

Ordinance Survey Map 1932

Ordinance Survey Map 1999

Ordinance Survey Map 2012

Web Sources

British Geological Survey http://www.bgs.ac.uk/ (Accessed 25/11/14)

Archaeological Data Service. http://archaeologydataservice.ac.uk/ (Accessed 25/11/14)



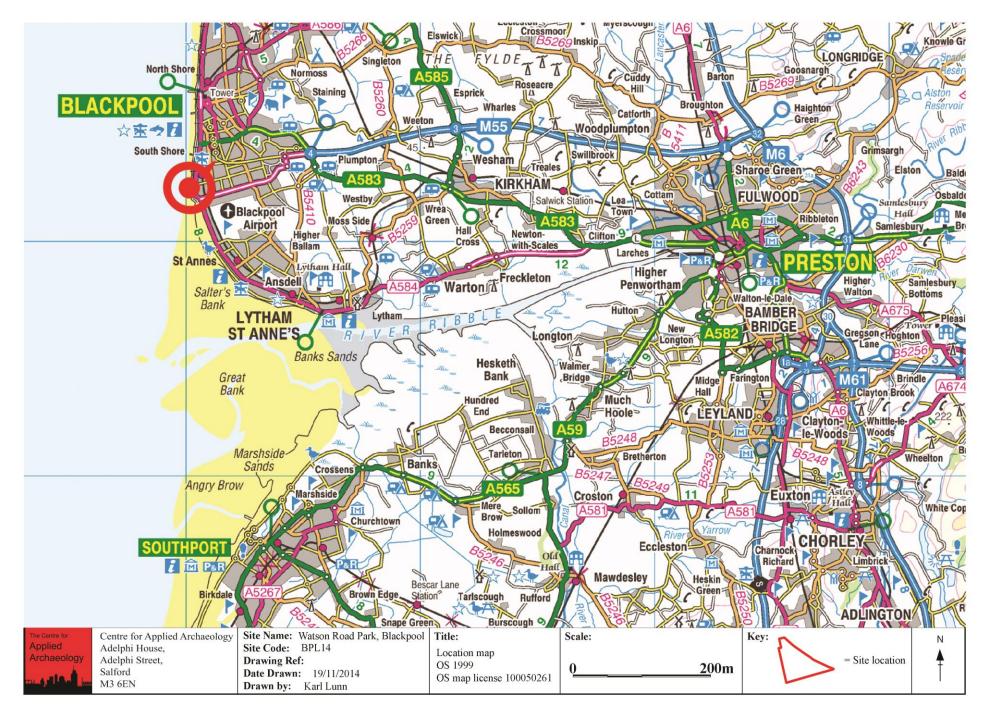
Appendix 1: Figures

| Figure | Description | | |
|------------|--|--|--|
| Front Page | Image showing the western extension in T2 showing WWI feature | | |
| | [014](015) | | |
| 1 | Overall shot of T1, showing pre-excavation inclusion of mid trench | | |
| | baulk. | | |
| 2 | Southern section face of (031)[032] in the northwest of T1 | | |
| 3 | Image showing the relationship between WWI trench [041](040), | | |
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| 4 | Showing the northern section face of T1 south eastern extension | | |
| | within T1 | | |
| 5 | Image showing a shot of T2 pre-excavation. | | |
| 6 | Showing the western extension of T2 | | |
| 7 | Pre-excavation shot of WWI feature [014](015) in T2 | | |
| 8 | Post excavation shot of WWI feature [014](015) in eastern extension | | |
| | of T2 | | |
| 9 | Image showing the relationship between (020) and (021) parks | | |
| | material underlying [010](011) modern parks material, in the centre | | |
| | of T2 | | |
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| 11 | Post excavation shot of T3, showing the three linear sections place | | |
| | across T3 | | |
| 12 | T3 southern section face showing the cut of [015](108), potential | | |
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| 13 | Overall shot of pre-excavation in T4 | | |
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| | feature | | |
| 15 | Western section face of T4, showing cut of [069](070) possible ditch | | |
| 4.5 | feature | | |
| 16 | Western section face of T4, showing the relationship between | | |
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| 17 | Showing the machine excavation of T1 | | |
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| 21 | T2 pre-excavation shot showing[010](011) capping all | | |
| 22 | archaeological features in T2 | | |
| 22 | Showing the section across [014](015) at the west of T2. | | |
| 23 | Image showing a pre-excavation shot of T3 | | |
| 24 | Image showing a mid-excavation shot of T4 | | |

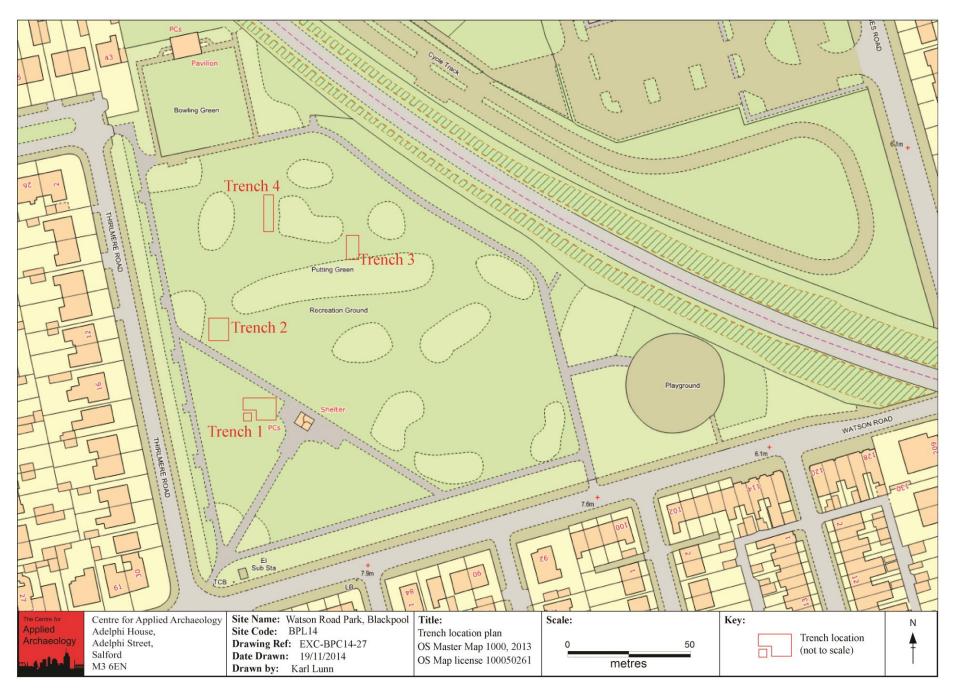


| 25 | Location map of Blackpool |
|----|---|
| 26 | Location map of Watson Road Park |
| 27 | Trench location plan. |
| 28 | Site location on 1848 OS Map |
| 29 | Site Location on 1893 OS Map |
| 30 | Site Location on 1894 OS Map |
| 31 | Site Location on 1911 OS Map |
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| 33 | Site Location on 1932 OS Map Revision 3 |
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| 37 | Trench One 1:20 plan |
| 38 | Trench One 1:10 section A |
| 39 | Trench One 1:10 section B |
| 40 | Trench Two 1:20 plan |
| 41 | Trench Two 1:10 Section C |
| 42 | Trench Two 1:10 Section D |
| 43 | Trench Three 1:20 Plan |
| 44 | Trench Four 1:10 Section E |

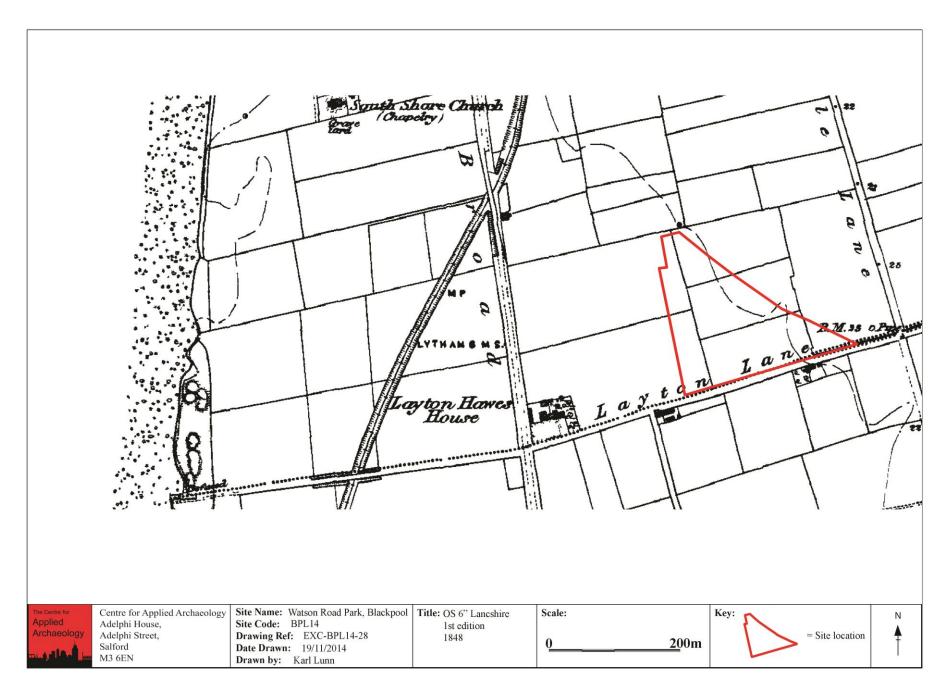




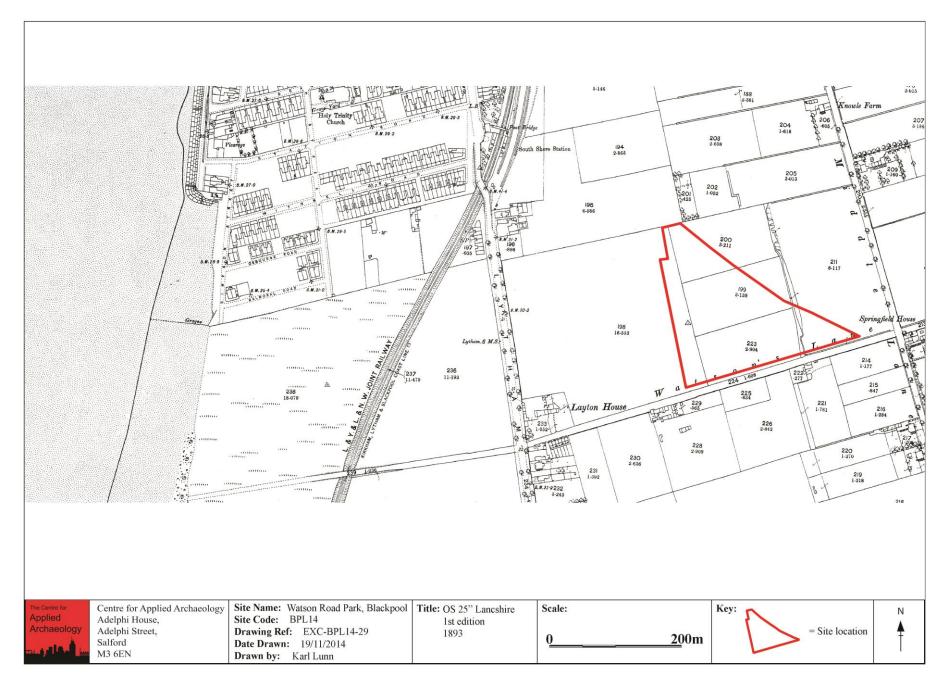




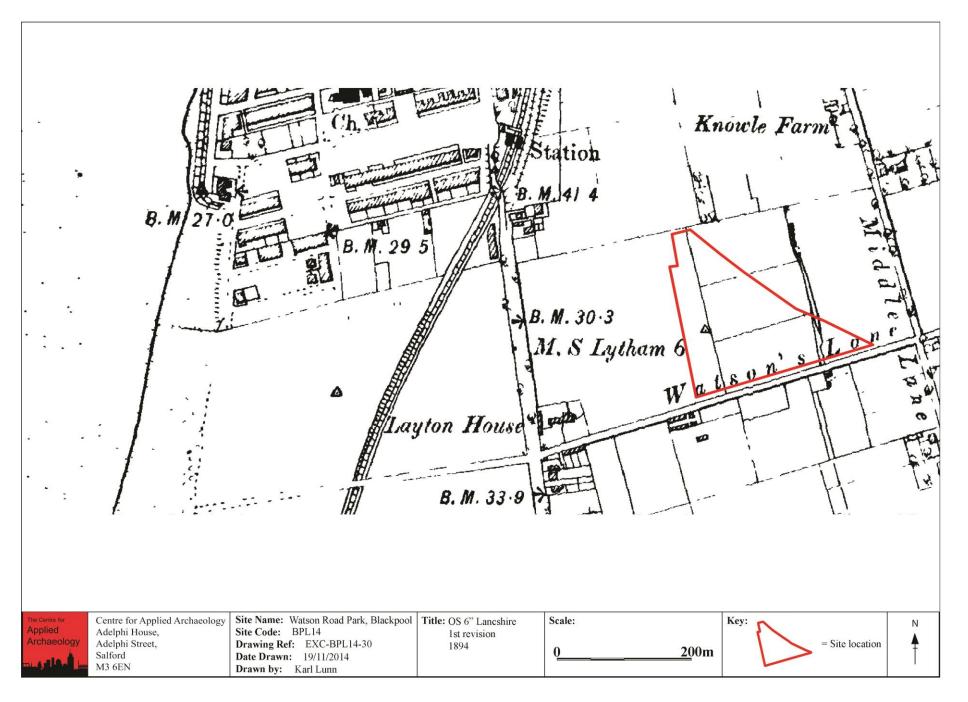




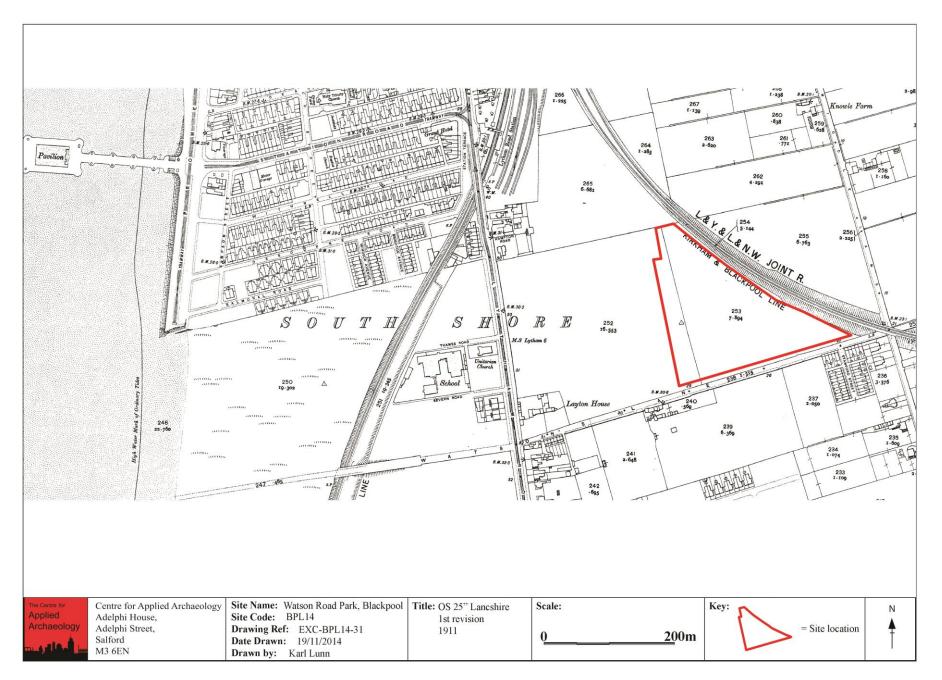




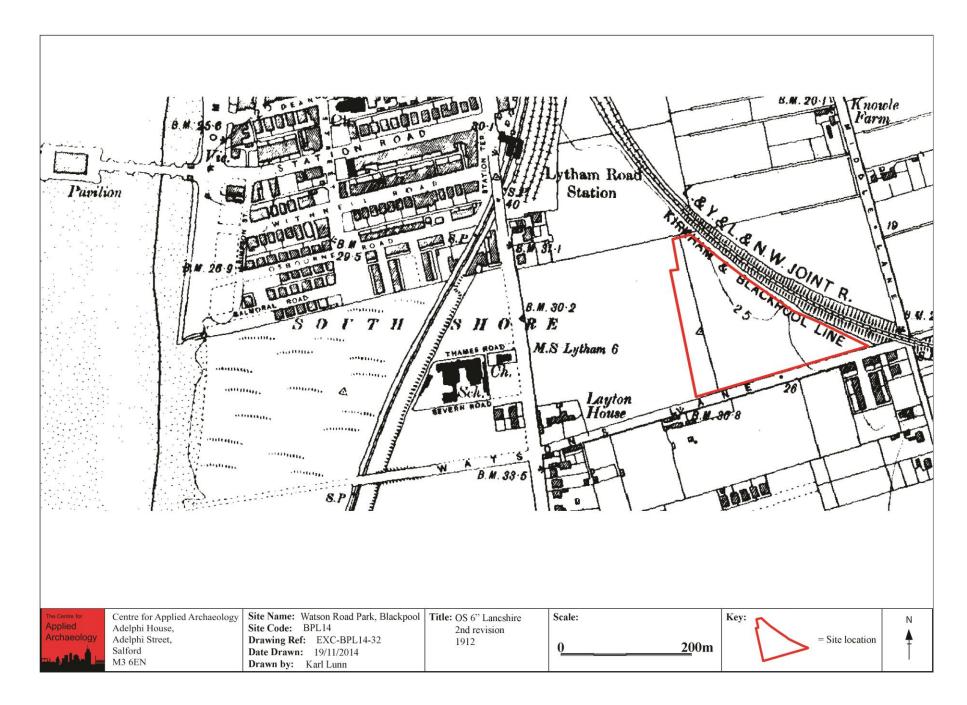




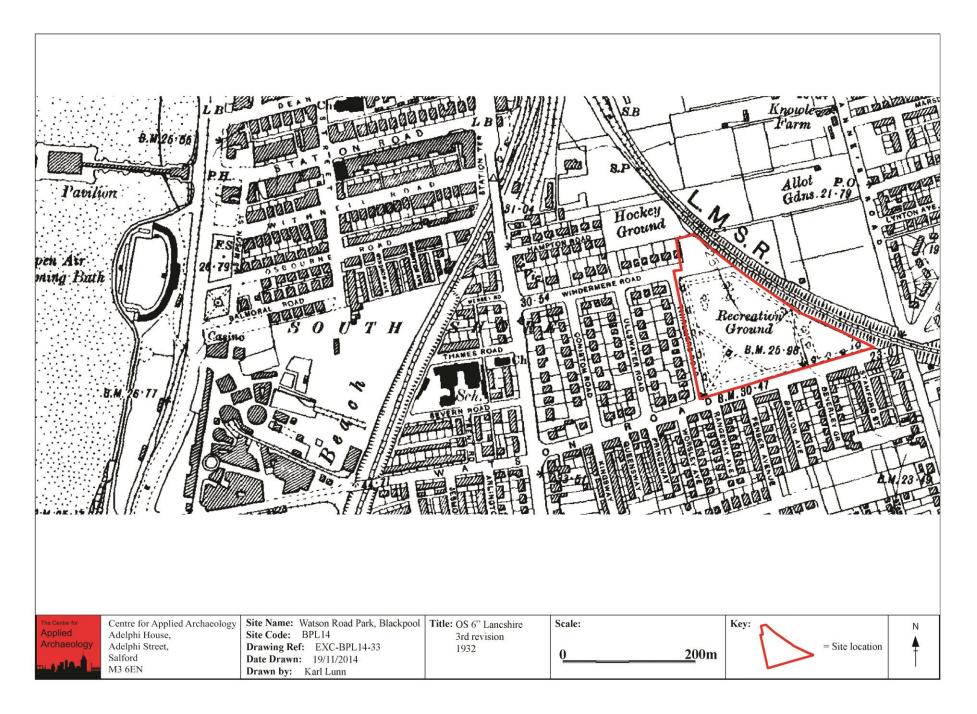




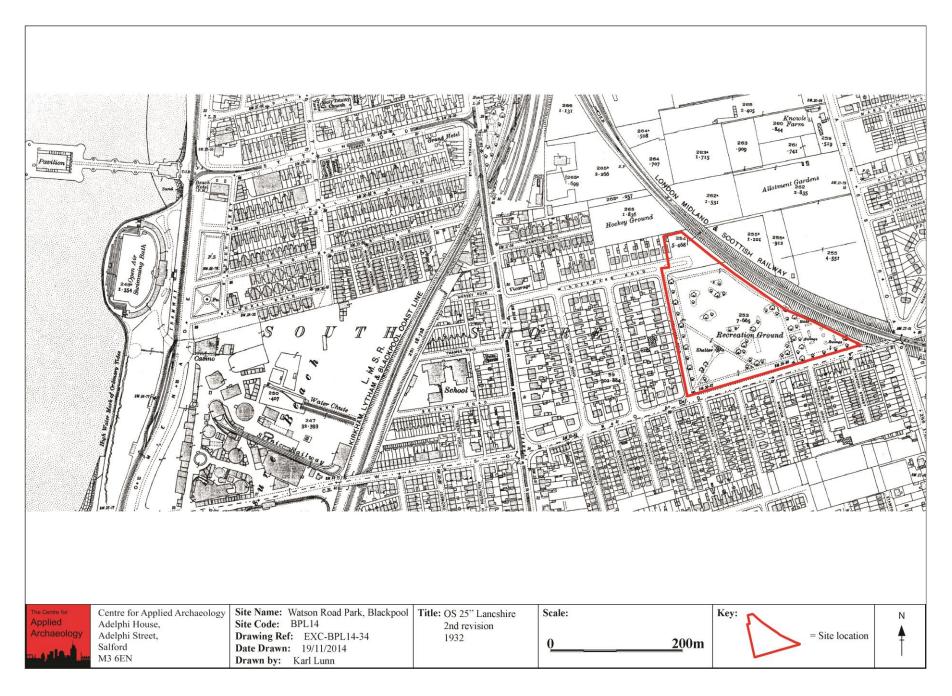




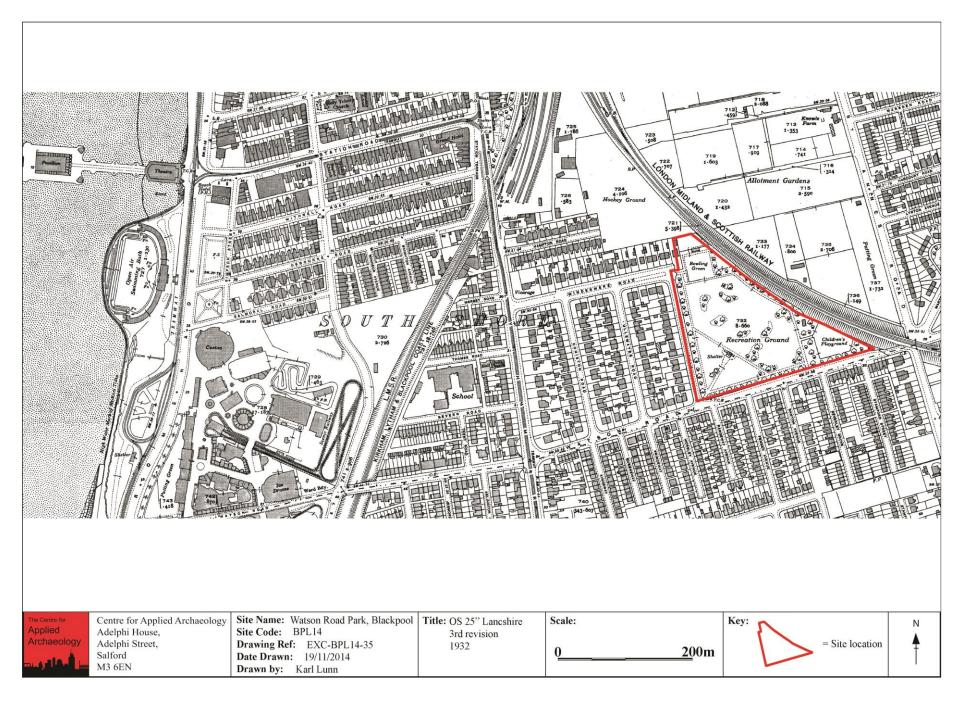




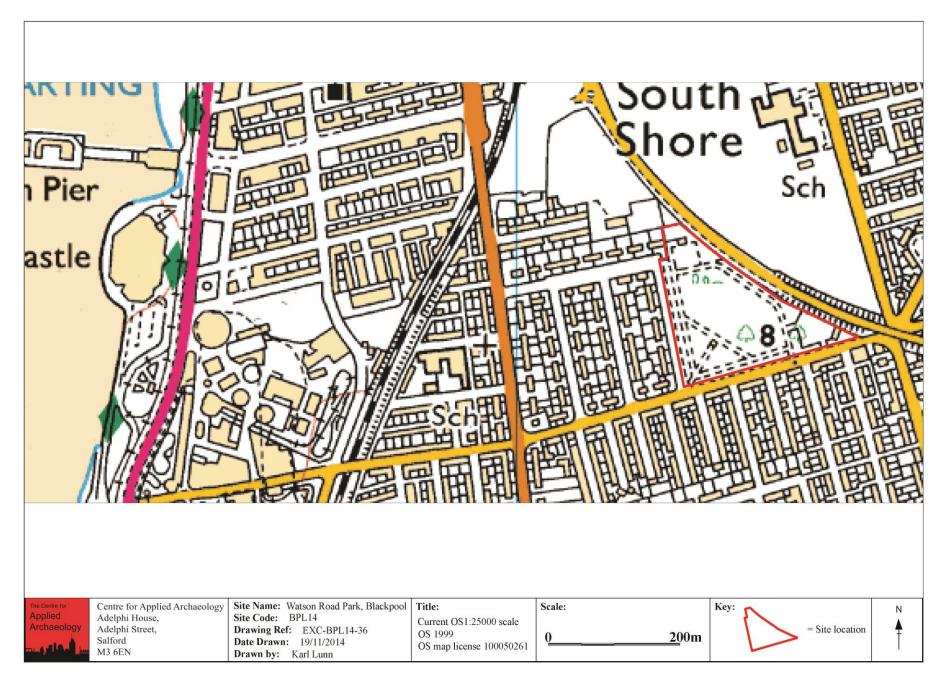




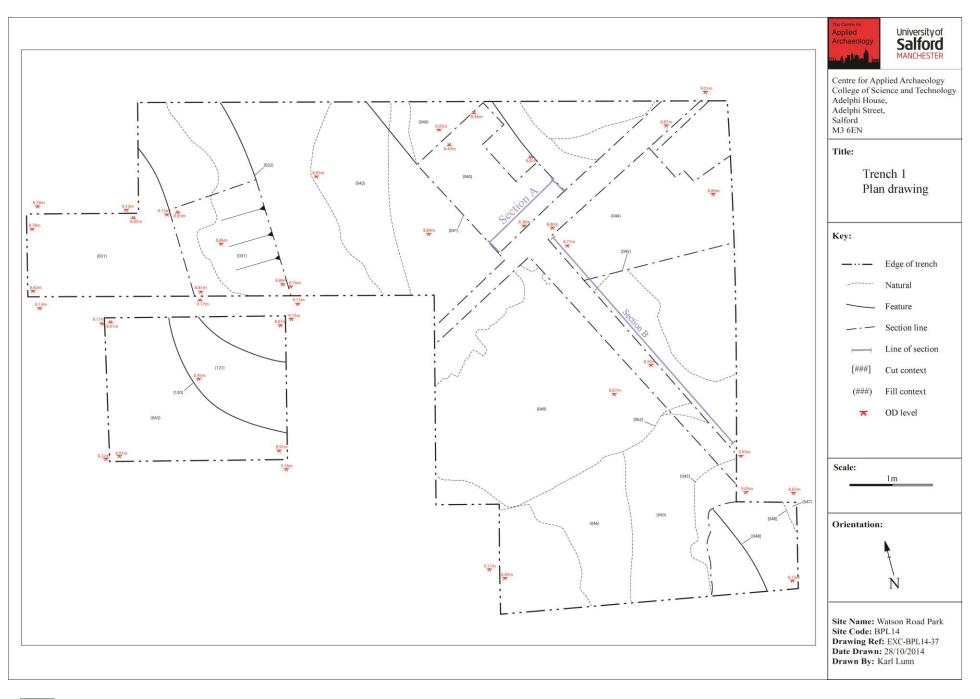




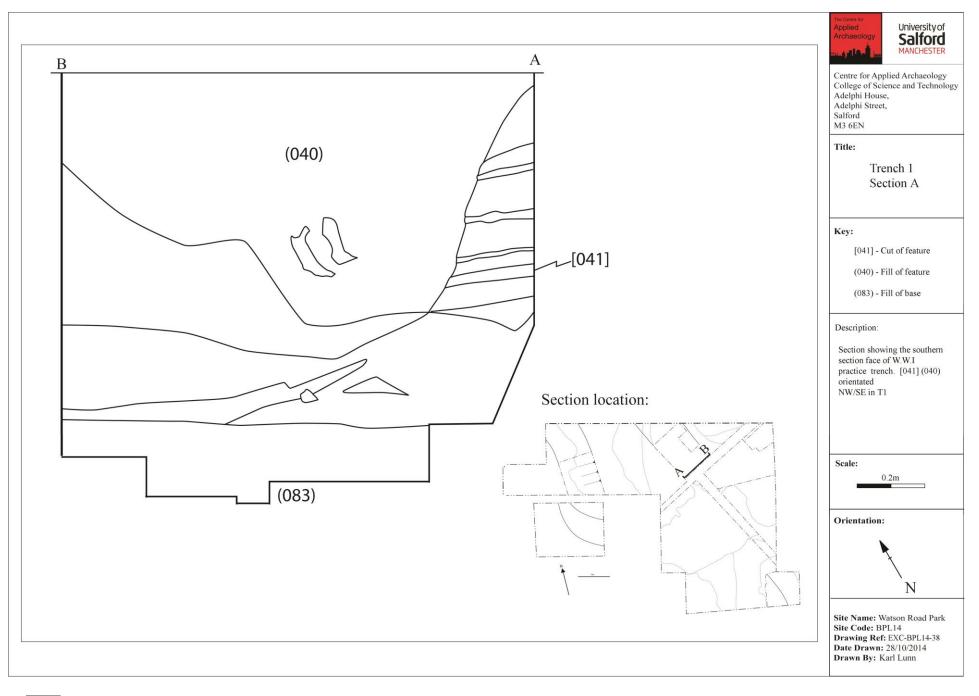




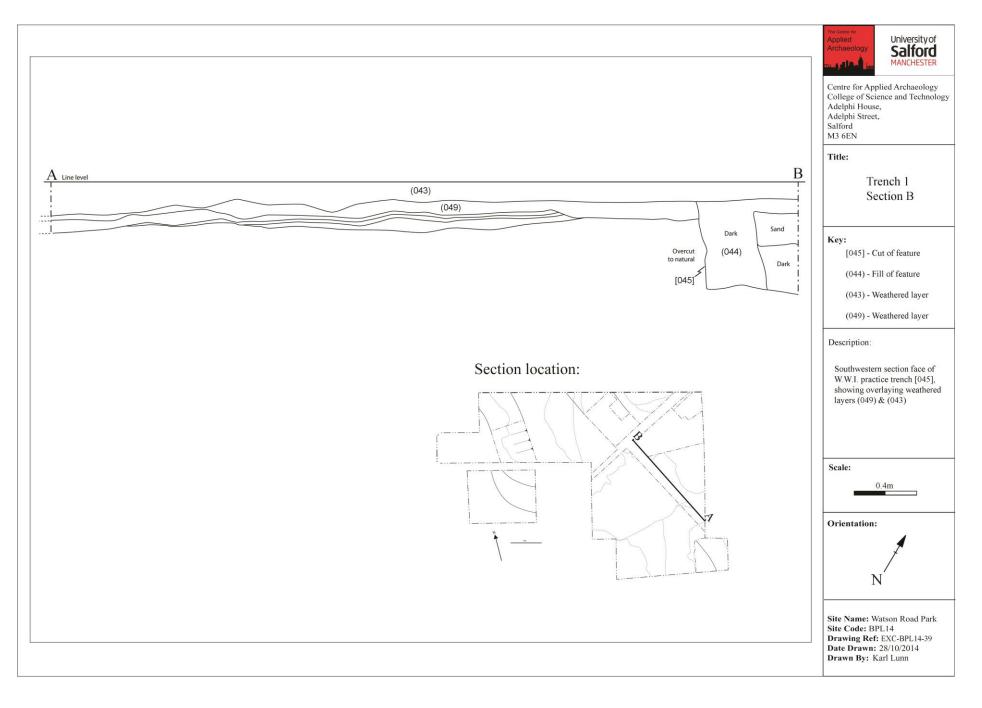




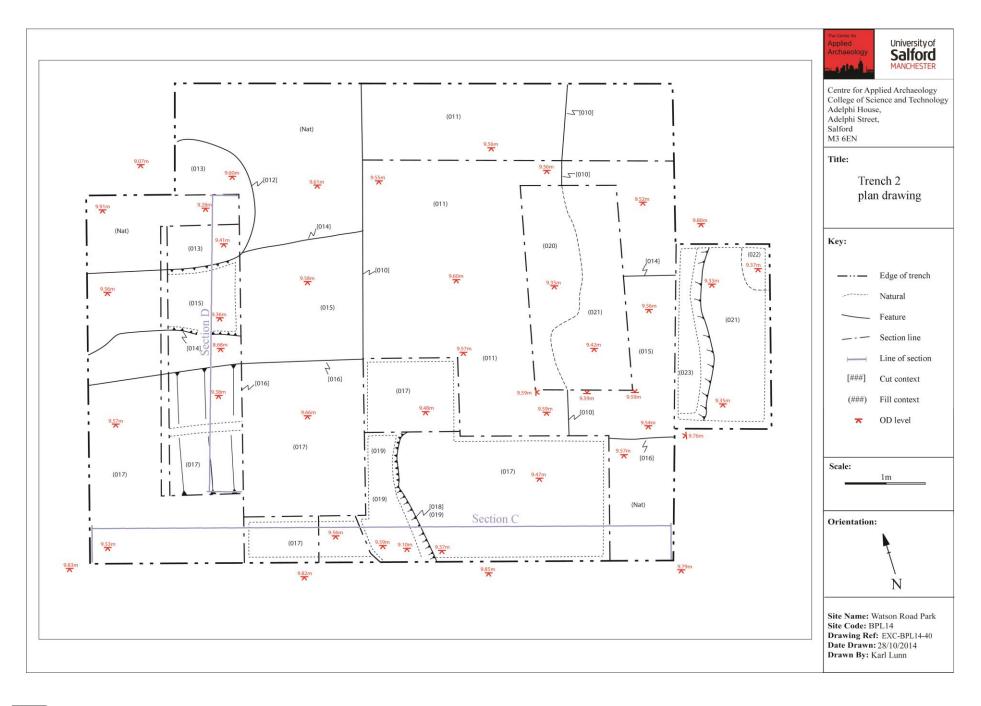




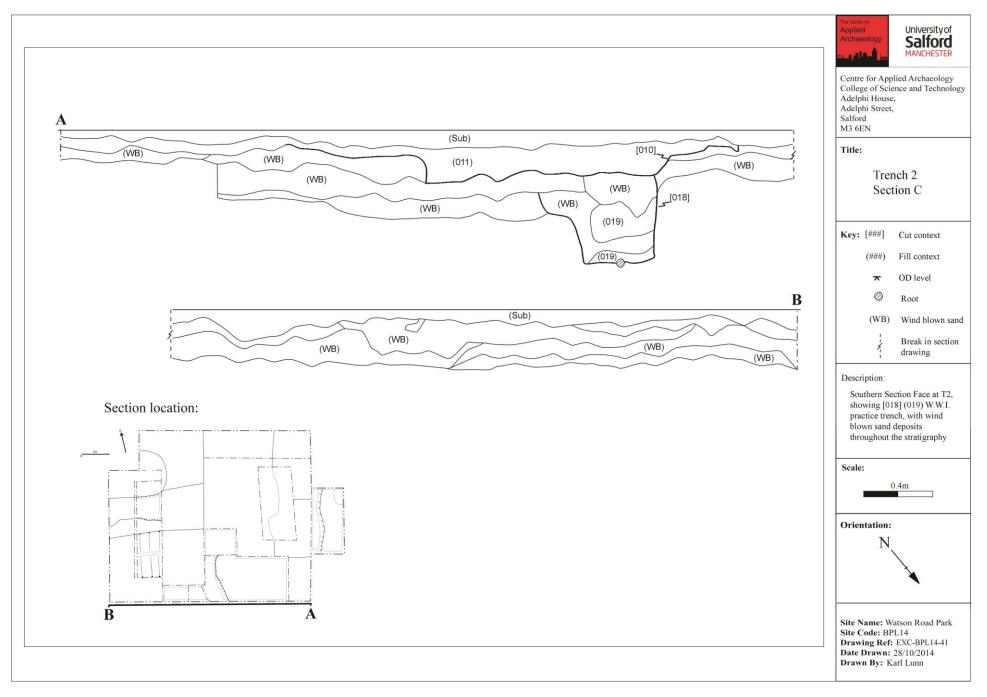




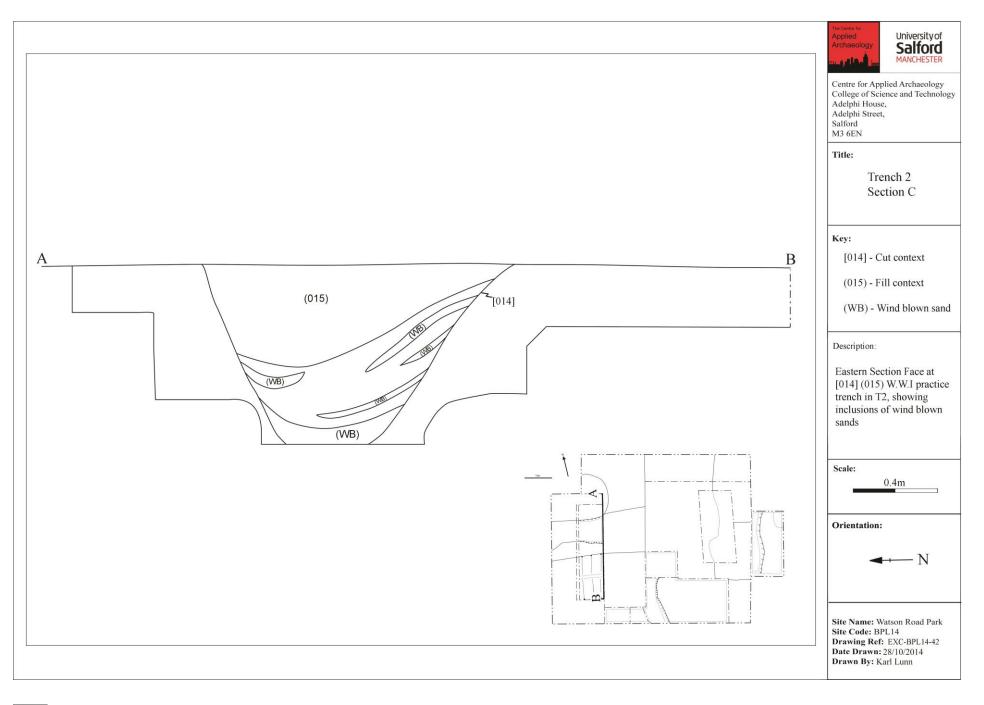








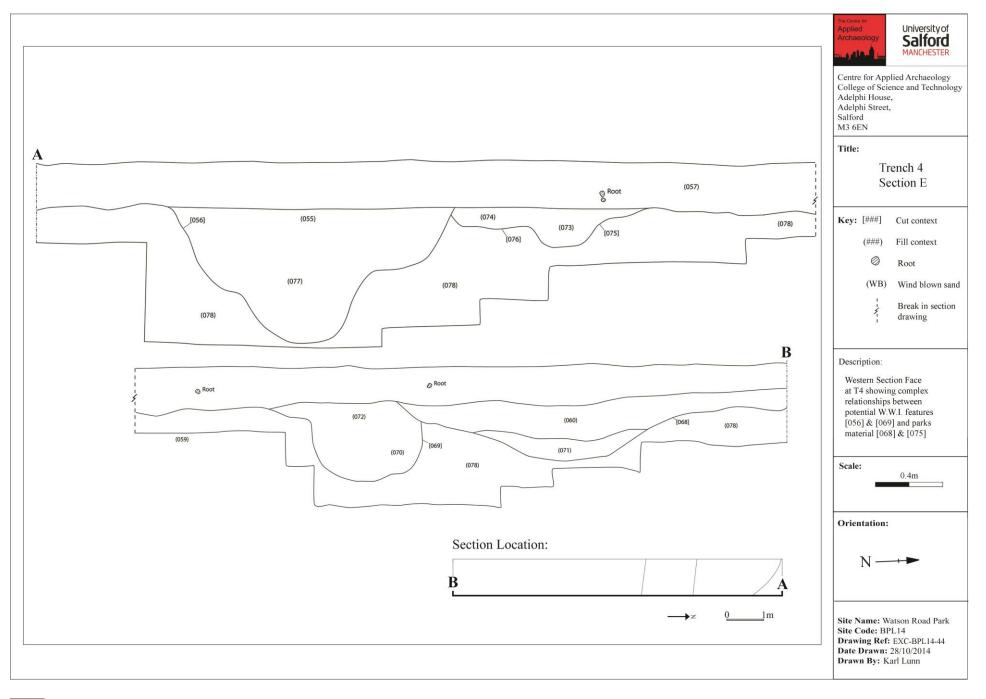














Appendix 2: Context List

| Context No. | Cut/Fill | Description |
|----------------|----------|---|
| (001) | Fill | Was a subsoil layer directly under the turf line, appearing as a mid- dark brownish black organic soil horizon with moderate root activity and occasional small stone inclusions. The layer appeared to undulate within the strata due to the deposition of natural windblown sand. |
| (031) | Fill | Was a light grey sandy loam fill of linear feature [032] in the west of trench one, with some small stone inclusions .0.03m and minimal root action. |
| [032] | Cut | A sloping sided, flat bottomed linear feature at the west of trench one, running NW-SE containing (031), running into the baulk section at the south east edge, measuring 3m in length, 2m in width and to a shallow depth of 0.20m. |
| (033) | Fill | Was a subsoil layer of a light yellow natural windblown sand to the west of trench one. |
| (034) | Fill | Mid to light greyish grey fill of loose sandy loam material contained within [035] positioned at the north east edge of Linear Feature [032]. |
| [035] | Cut | Was the steep sided, flat bottomed cut of a small square feature, containing (034) and measuring 2.5m in length, 1m in width and 0.10m in depth. |
| (036) | Fill | A small lens of material of a mid-light greyish grey loose sandy loam, similar to that of (034). |
| [037] | Cut | A large linear feature within the west end of trench one, containing fill (036) and measuring 3.5m in length and 1.5m in width. |
| [038] | Cut | A curvilinear feature within the western edge of trench one, containing a dark loamy soil fill with occasional small stone inclusions >0.03m. |
| (039) | Fill | A mid greyish grey sandy fill of [032], underlying (031) within the western side of trench one, measuring 2m in length and 2m in width. |
| (040) | Fill | Dark greyish brown sandy loam fill of [041] linear feature oriented NE-SW |
| [041] | Cut | Cut of steep sided, flat based linear feature running NE-SW containing fill (040) and measuring 3.5m in length, 2.5m in width and to a depth of 1m. |
| (042) | Fill | Was a layer of mid to light greyish brown loamy sand, located to the west of linear feature [041] and cutting fill layer (049). |
| | | A mid to dark brownish loamy sand layer, containing frequent small |



| (043) | Fill | stone inclusions >0.03m and overlying fill layers (046), (049) and (050) measuring 1,25m in length and 1.75 in width. |
|-------|------|--|
| (044) | Fill | Mid to light greyish yellow fill of linear feature [046] running E-W in trench one, extending to the eastern baulk of trench one. |
| [045] | Cut | A steep sided, flat based linear feature orientated E-W containing fill (044) and measuring 2.70m in length and 2,40m in width. |
| (046) | Fill | A mid to dark reddish brown layer of loose sand lying to the west of and underlying fill (043) in trench one. |
| (047) | Fill | Was a mid to dark sandy fill of [048] visible within the northern section face, within the eastern extension of trench one. |
| [048] | Cut | Steep sided cut of feature, visible in northern section face of the eastern extension in trench one, containing fill (047). |
| (049) | Fill | Mid to light greyish brown sandy loam fill layer within trench one, cut by [041], and underlying fill layer (043). |
| (050) | Fill | Was a mid to dark orange brown layer of windblown sand deposit, located in the eastern edge of trench one. |
| (051) | Fill | was a mid to dark brownish brown loamy layer containing frequent small sub-rounded stones >0.03m visible in section. |
| (054) | Fill | Layer of multiple striations visible in the south eastern section face of (041), mid to light yellowish brown. |
| (061) | Fill | Mid to light greyish sandy loam fill of linear feature adjacent to linear feature [062] in the south west of trench one. |
| [062] | Cut | Sloping sided cut of (061) mid to light greyish sandy with occasional small stone inclusions >0.03m and low level root activity, measuring 2.40m in length and 1.60m in width. |
| (063) | Fill | Mid to light greyish sandy loam fill of linear feature adjacent to linear feature [062] in the south west of trench one. |
| (065) | Fill | Mottled orange brown sandy loam layer to the east of (061) within the south east of the trench one. |
| (067) | Fill | Layer of striated sediment visible in the western section face of the eastern end of trench one. |
| (079) | Fill | Was a very dark blackish loamy fill of a curvilinear feature, with moderate inclusions of small stones >0.05m. |



| [080] | Cut | Sloping sided cut of curvilinear feature containing fill (079). |
|-------|------|---|
| | | |
| [081] | Cut | Cut of 'sap' trench filled by (063) |
| (082) | Fill | Layer of striated material visible in the southern section face of trench one. |
| [010] | Cut | Was mid to dark brownish brown linear in a N-S orientation, located within trench two, very steep sided although flat bottomed, measuring 10m in length, 3m in width and 0.23m in depth. |
| (011) | Fill | Moderate small sub-rounded stone inclusions >0.05m and occasional fragmented 19 th century ceramics, ferrous metals and clay pipe stems. |
| [012] | Cut | Was a mid-dark brownish brown sub circular feature, measuring 1.40m in length, 2.50m in width and to a depth of 0.22m at the western edge of trench two. |
| (013) | Fill | Loose loamy sand with moderate inclusions of sub circular stones >0.5m. |
| [014] | Cut | A mid to dark greyish brown linear feature in an E-W orientation located within the western extension of trench two, measuring 0.70m in width, 1.28m in length and 0.90m in depth. |
| (015) | Fill | Contained some very occasional small stone inclusions >0.02m with moderate root disturbance with multiple striations in section from windblown deposits, some items recovered including 19 th century shot gun cartridge and ferrous metal cable cables, cut by linear [010] (011) |
| [016] | Cut | A loose sandy, mid-dark brownish grey loamy sand Linear feature running E-W orientation in trench two, runs adjacent to and intersects [014] (015) in the upper most stratum, directly beneath [010] (011). |
| (017) | Fill | A mid to dark brownish sandy loam fill, moderate root inclusion disturbance and very occasional small stones >0.03m |
| [018] | Cut | Was a steep sided flat based linear feature within the southern part of trench two, running in a SE-NW orientation, measuring 2m in length, 0.70m in width and 1.25 in depth. |
| (019) | Fill | A mid to dark brownish black sandy loam fill with some root inclusions and minimal stone inclusions, moderate level of disturbance. |
| (020) | Fill | Was a layer of sandy loam of a mid-dark reddish brown loose material, with moderate root inclusions and occasional small stones >0.05m, overlaying an area in the north east of trench two. |
| (021) | Fill | Was a layer of sandy loam of a mid-light reddish yellow loose material, with moderate root inclusions and occasional small |



| | | stones >0.05m, lay against (020) and beneath [010] (011). |
|-------|------|--|
| (023) | Fill | Was a sandy loam of a mid to dark greyish brown loose material, with some low level root disturbance and occasional small stone inclusions >0.05m. A lens of sandy loam sediment located in the eastern extension to trench two. |
| (053) | Fill | Cut of linear feature [032] located at the west end of trench 1. |
| (054) | Fill | Turf revetment on the NE inside face of trench one [041] |
| (055) | Fill | Orange/brown friable sandy fill of feature at south end of trench four |
| [056] | Cut | Cut of EW feature at the south end of trench four |
| (057) | Fill | Orange/brown sandy fill of feature located N of (055) and [056] |
| [058] | Cut | Cut of E-W feature filled by (057) |
| (059) | Fill | Orange sandy subsoil with root disturbance, cut by [056] and [058] |
| (060) | Fill | Friable sand fill with frequent ? and clay lumps at the north end of trench four |
| (064) | Fill | Dark grey sand fill underlying (060), possible fill of linear feature |
| (065) | Fill | Orange/brown sandy fill of, east of (061) and west of (047) |
| [068] | Cut | Cut of E-W linear feature at the north end of trench four, underlying (060), filled by (064) |
| [069] | Cut | Cut of deep, steep sided feature E-W, cutting (064), also cuts (071) |
| (070) | Fill | Very dark grey/black sandy loam fill of [069], underlying [064] |
| (071) | Fill | (soil sample) orange mid-brown, heavily iron-panned, friable sandy loam fill, underlying (064) within [068] |
| (072) | Fill | Light grey sand, similar to (064) but distinguished in section, overlying (070) within [068] |



| | | A |
|-------|------|---|
| (073) | Fill | A grey sand fill of small u-shaped linear feature cut by [076] |
| (074) | Fill | A grey sand fill of small shallow feature cutting (073) and [075] |
| [075] | Cut | Cut of a narrow linear feature aligned E-W, depth c. 300?, cut by [076] |
| [076] | Cut | Cut of a shallow feature aligned E-W, cutting (073) |
| (077) | Fill | A mid grey sand fill possibly containing carbon deposits, underlying (055) within cut [056] |
| (078) | Fill | A mid to light brown soft sand beneath (059), cut by [056] |
| (100) | Fill | A mid-dark brownish brown layer; step foundation; stone and root underlying arch. |
| (101) | Fill | A dark grey layer, wet version of (100) |
| (102) | Fill | A grey sand, windblown |
| (103) | Fill | A pale yellow mottled sand, windblown 3cm deep |
| [105] | Cut | A linear, steep sided, flat bottomed cut aligned NNE-SSW, slight step at the flat base, possibly WW1 drainage gully, originally thought to be the cut of a fire bay |
| (106) | Fill | a firm grey sand, possibly the original ground surface around the trenches |
| [107] | Cut | A cut relating to (109), possibly the rear revetment of trenches |
| (108) | Fill | NE-W aligned linear contained by [105], brown? layer, firm with occasional stones, possible fire bay |
| (109) | Fill | A firm orange/brown mottled fill of trench, steep sided, not bottomed |
| | | A silty soil, possible turf revettment, humic layer |



| (110) | Fill | |
|-------|------|--|
| | | |



Appendix 3: Photographic Record

| Photo | Looking/ | Description |
|--------|-------------|---|
| Number | Orientation | |
| 1 | N | Image showing the Machine opening of Trench One |
| 2 | N | Image showing the Machine opening of Trench One |
| 3 | N | Image showing the Machine opening of Trench One |
| 4 | W | Image showing the Machine opening of Trench One |
| 5 | W | Image showing the Machine opening of Trench One |
| 6 | SW | Image showing the Machine opening of Trench One |
| 7 | NW | Image showing the Machine opening of Trench One |
| 8 | NW | Image showing the Machine opening of Trench One |
| 9 | SW | Image showing the Machine opening of Trench One |
| 10 | SW | Image showing the Machine opening of Trench One |
| 11 | SW | Image showing the Machine opening of Trench One |
| 12 | SW | Image showing the Machine opening of Trench One |
| 13 | SW | Image showing the Machine opening of Trench One |
| 14 | SW | Image showing the Machine opening of Trench Two |
| 15 | S | Image showing the Machine Slot in Trench Two |
| 16 | S | Image showing the Machine Slot in Trench Two |
| 17 | S | Image showing the opening of Trench Two |
| 18 | W | Image showing the opening of Trench Two |
| 19 | W | Image showing Trench One |
| 20 | W | Image showing Trench One |
| 21 | SW | Image showing Trench One extension to the SE |
| 22 | W | Image showing Trench One extension to the W |
| 23 | S | Image showing Trench One |
| 24 | S | Image showing Trench One |
| 25 | S | Image showing Trench One W Extension (032) |
| 26 | S | Image showing Trench One W Extension (032) |
| 27 | S | Image showing Trench One W Extension (032) |
| 28 | S | Image showing Trench One W Extension (032) |
| 29 | S | Image showing Trench One W Extension (032) Close Shot |
| 30 | S | Image showing Trench One W Extension (032) Close Shot |
| 31 | N | Image showing Trench One W Extension Section Face. |
| 32 | N | Image Showing Trench One W Extension |
| 33 | N | Image showing Trench Two |
| 34 | N | Image showing Trench Two |
| 35 | N | Image showing Trench Two |
| 36 | S | Image Showing Volunteers in Trench One |
| 37 | S | Image Showing Volunteers in Trench One |
| 38 | W | Image Showing Volunteers in Trench One |
| 39 | SW | Image Showing Volunteers in Trench One |



| W | Image Showing Volunteers in Trench One |
|----|--|
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension Image showing Trench One (032) in W Extension |
| | |
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension |
| | Image showing Trench One (032) in W Extension |
| | Image showing (032) Western Section Face |
| | Image showing (032) Western Section Face |
| | Image showing (032) Western Section Face |
| N | Image showing (032) Western Section Face |
| N | Image showing (032) Western Section Face |
| N | Image showing (032) Western Section Face |
| N | Image showing (032) Western Section Face |
| N | Image showing Trench One N section face |
| W | Image showing Trench One, E extension |
| W | Image showing Trench One, E extension |
| W | Image showing Trench One, E extension |
| S | Image showing Trench One, E extension |
| N | Image showing Trench One, E extension |
| N | Image showing Trench One, E extension |
| N | Image showing Trench One, E extension |
| N | Image showing Trench One, E extension |
| N | Image showing Trench One, E extension |
| N | Image showing Trench One, E extension |
| SW | Image showing Trench One SE baulk Face. |
| SW | Image showing Trench One SE baulk Face. |
| SW | Image showing Trench One SE baulk Face. |
| SW | Image showing Trench One SE baulk Face. |
| | Image showing Trench One SE baulk Face. |
| | Image showing Trench One SE baulk Face. |
| | Image showing Trench One SE baulk Face. |
| | Image showing Trench One SE baulk Face. |
| | N N N N W W W S N N N N N N S S S S S S |



| 82 | NW | Image showing Trench One, Mid Trench Baulk North Face |
|-----|----|---|
| 83 | NW | Image showing Trench One, Mid Trench Baulk North Face |
| 84 | NW | Image showing Trench One, Mid Trench Baulk North Face |
| 85 | N | Image showing cut of [041] WWI feature in Trench One |
| 86 | N | Image showing cut of [041] WWI feature in Trench One |
| 87 | S | Trench One S section face with Volunteers |
| 88 | S | Trench One S section face with Volunteers |
| 89 | S | Trench One S section face |
| 90 | S | Trench One S section face |
| 91 | S | Trench One W extension S section face |
| 92 | S | Trench One W extension S section face |
| 93 | W | Trench One W extension W section Face |
| 94 | W | Trench One W Extension S section face |
| 95 | NW | Volunteers opening Baulk extension |
| 96 | NW | Volunteers opening Baulk extension |
| 97 | Е | Volunteers opening Baulk extension |
| 98 | Е | Volunteers opening Baulk extension |
| 99 | Е | Trench One overall shot |
| 100 | Е | Trench One overall shot |
| 101 | N | Volunteers Working Shot |
| 102 | N | Trench One Pre Excavation Shot |
| 103 | N | Trench One Pre Excavation Shot |
| 104 | N | Trench One Pre Excavation Shot |
| 105 | N | Trench One Pre Excavation Shot |
| 106 | N | Trench One Pre Excavation Shot |
| 107 | W | Trench One Pre Excavation Shot |
| 108 | W | Trench One Pre Excavation Shot |
| 109 | W | Trench One Pre Excavation Shot |
| 110 | N | Trench One Pre Excavation Shot |
| 111 | W | Trench One Pre Excavation Shot |
| 112 | W | Trench One Pre Excavation Shot |
| 113 | W | Trench One Pre Excavation Shot |
| 114 | Е | Trench One Pre Excavation Shot |
| 115 | Е | Trench One Pre Excavation Shot |
| 116 | Е | Trench One Pre Excavation Shot |
| 117 | Е | Trench One Pre Excavation Shot |
| 118 | S | Trench One Pre Excavation Shot |
| 119 | S | Trench One Pre Excavation Shot |
| 120 | Е | Trench One Pre Excavation Shot |
| 121 | Е | Trench One (032) Pre Excavation Shot |
| 122 | Е | Trench One (032) Pre Excavation Shot |
| 123 | S | Trench One (032) Pre Excavation Shot |



| 124 | S | Trench One (032) Pre Excavation Shot |
|-----|----------|--|
| 125 | W | Trench One (032) Pre Excavation Shot |
| 126 | W | Trench One (032) Pre Excavation Shot |
| 127 | W | Trench One (032) Pre Excavation Shot |
| 128 | W | Trench One (032) Pre Excavation Shot |
| 129 | W | Trench One (032) Pre Excavation Shot |
| 130 | NW | Trench One (032) Pre Excavation Shot |
| 131 | NW | Trench One (032) Pre Excavation Shot |
| 132 | NW | Trench One (032) Pre Excavation Shot |
| 133 | W | Trench One overall shot mid excavation |
| 134 | W | Trench One overall shot mid excavation |
| 135 | SE | Trench One overall shot mid excavation |
| 136 | SE | Trench One overall shot mid excavation |
| 137 | SE | Trench One overall shot mid excavation |
| 138 | NE NE | Trench One overall shot mid excavation Trench One overall shot mid excavation |
| 139 | NE NE | Trench One overall shot mid excavation Trench One overall shot mid excavation |
| 140 | NE NE | Trench One overall shot mid excavation Trench One overall shot mid excavation |
| 141 | SE | |
| 141 | SE SE | Trench one mid trench baulk, face of [041] Trench one mid trench baulk, face of [041] |
| 142 | SE SE | Trench one WWI feature overall shot |
| | | |
| 144 | SE | Trench one WWI feature overall shot |
| 145 | NW | Image showing the turf line of [041] |
| 146 | NW | Image showing the turf line of [041] |
| 147 | SW | Image showing the turf line of [041] |
| 148 | SW | Image showing the turf line of [041] |
| 149 | Е | Trench One S baulk extension |
| 150 | Е | Trench One S baulk extension |
| 151 | E | Trench One S baulk extension |
| 152 | E | Trench One S baulk extension |
| 153 | N | Trench One S baulk extension |
| 154 | N | Trench One S baulk extension |
| 155 | W | Trench One S baulk extension |
| 156 | W | Trench One S baulk extension |
| 157 | S | Trench One S baulk extension |
| 158 | S | Trench One S baulk extension |
| 159 | SE | Trench One (032) and baulk intersection |
| 160 | SE | Trench One (032) and baulk intersection |
| 161 | SE | Trench One (032) and baulk intersection |
| 162 | SE | Trench One (032) and baulk intersection |
| 163 | SE | Trench One (032) and baulk intersection |
| 164 | Е | Trench One (032) and baulk intersection |
| 165 | E | Trench One (032) and baulk intersection |



| 166 | Е | Trench One (032) and baulk intersection |
|-----|----|--|
| 167 | W | Trench One (032) and baulk intersection |
| 168 | W | Trench One (032) and baulk intersection |
| 169 | Е | Trench One Volunteer Working Shot |
| 170 | Е | Trench One Volunteer Working Shot |
| 171 | Е | Trench One, WWI feature |
| 172 | Е | Trench One, WWI feature |
| 173 | N | Trench One, WWI feature |
| 174 | N | Trench One, WWI feature |
| 175 | N | Trench One, WWI feature |
| 176 | Е | Trench One, WWI feature |
| 177 | Е | Trench One, WWI feature |
| 178 | NE | Trench One, WWI feature |
| 179 | NE | Trench One, WWI feature |
| 180 | N | Trench One, WWI feature |
| 181 | N | Trench One, WWI feature |
| 182 | N | Trench One, WWI feature |
| 183 | S | Trench One, WWI feature |
| 184 | S | Trench One, WWI feature |
| 185 | S | Trench One, WWI feature |
| 186 | S | Trench One (032) mid excavation shot with baulk. |
| 187 | W | Trench One (032) mid excavation shot with baulk. |
| 188 | W | Trench One (032) mid excavation shot with baulk. |
| 189 | W | Trench One (032) mid excavation shot with baulk. |
| 190 | W | Trench One (032) mid excavation shot with baulk. |
| 191 | W | Trench One (032) mid excavation shot with baulk. |
| 192 | S | Trench One (032) mid excavation shot with baulk. |
| 193 | S | Trench One (032) mid excavation shot with baulk. |
| 194 | NW | Trench One (032) mid excavation shot with baulk. |
| 195 | W | Image showing Bottle within WWI Feature |
| 196 | W | Image showing Bottle within WWI Feature |
| 197 | W | Image showing Bottle within WWI Feature |
| 198 | SE | Image showing Bottle within WWI Feature |
| 199 | SE | Image showing Bottle within WWI Feature |
| 200 | SE | Image showing Bottle within WWI Feature |
| 201 | SE | Image showing Bottle within WWI Feature |
| 202 | N | Image showing Bottle within WWI Feature |
| 203 | N | Image showing Bottle within WWI Feature |
| 204 | N | Image showing Bottle within WWI Feature |
| 205 | N | Image showing Bottle within WWI Feature |
| 206 | N | Image showing the opening of Trench Three |
| 207 | N | Image showing the opening of Trench Three |



| 208 | N | Image showing the opening of Trench Three |
|-----|-----|--|
| 208 | NW | Image showing the opening of Trench Three |
| 210 | NW | |
| 210 | SW | Image showing the opening of Trench Three |
| 211 | SW | Image showing the opening of Trench Three |
| | | Image showing the opening of Trench Three |
| 213 | SW | Image showing the opening of Trench Three |
| 214 | SW | Image showing the opening of Trench Three |
| 215 | S | Image showing the opening of Trench Three |
| 216 | S | Image showing the opening of Trench Three |
| 217 | S | Image showing the opening of Trench Three |
| 218 | N | Image showing opening of Trench Four with Volunteers |
| 219 | N | Image showing opening of Trench Four with Volunteers |
| 220 | S | Image showing the opening of Trench Three |
| 221 | S | Image showing the opening of Trench Three |
| 222 | Е | Image showing the opening of Trench Three |
| 223 | Е | Image showing the opening of Trench Three |
| 224 | N | Image showing the opening of Trench Three |
| 225 | N | Image showing the opening of Trench Three |
| 226 | Е | Image showing the opening of Trench Three |
| 227 | Е | Image showing the opening of Trench Three |
| 228 | Е | Image showing the opening of Trench Three |
| 229 | SE | Image showing Trench Four with Volunteers |
| 230 | N | Trench Four general Shots |
| 231 | N | Trench Four general Shots |
| 232 | N | Trench Four general Shots |
| 234 | S | Trench Four general Shots |
| 235 | S | Trench Four general Shots |
| 236 | S | Trench Four general Shots |
| 237 | S | Trench Four general Shots |
| 238 | S | Trench Four general Shots |
| 239 | W | Trench Three pre excavation working shot |
| 240 | W | Trench Three pre excavation shot |
| 241 | W | Trench Three pre excavation shot |
| 242 | W | Trench Three pre excavation shot |
| 243 | W | Trench Three pre excavation shot |
| 244 | W | Trench Three pre excavation shot |
| 245 | S | Trench Three pre excavation shot |
| 246 | W | Trench Three pre excavation shot |
| 247 | W | Trench Three pre excavation shot |
| 248 | S | Trench Three pre excavation shot |
| 249 | S | Trench Three pre excavation shot |
| 250 | E | Trench Four pre excavation Shot |
| 230 | L L | Trenen I out pre exeavation shot |



| Е | Trench Four pre excavation Shot |
|-----|---|
| SE | Trench Four pre excavation Shot |
| | Trench Four pre excavation Shot |
| W | Trench Four pre excavation Shot |
| W | Trench Four pre excavation Shot |
| W | Trench Four pre excavation Shot |
| | Trench Four pre excavation Shot |
| | Trench Four pre excavation Shot |
| W | Trench Four pre excavation Shot |
| | Trench Four pre excavation Shot |
| W | Trench Four pre excavation Shot |
| W | Trench Four pre excavation Shot |
| | Trench Four Mid Excavation Shot |
| E | Trench Four Mid Excavation Shot |
| | Trench Four Volunteer Working Shot |
| | Trench Four Volunteer Working Shot |
| | Trench One Volunteer working shot |
| | Trench One Volunteer working shot |
| | Volunteers Surveying shot |
| | Volunteers Surveying shot |
| | Volunteers Surveying shot |
| | Volunteers in Trench One |
| | Volunteers in Trench One |
| | Overall shot of Trench One |
| | Overall shot of Trench One |
| N | Overall shot of Trench One |
| E | Overall shot of Trench One |
| Е | Overall shot of Trench One |
| E | Overall shot of Trench One |
| W | Overall shot of Trench One |
| | Overall shot of Trench One |
| | Overall shot of Trench One |
| S | Overall shot of Trench One |
| S | Overall shot of Trench One |
| S | Overall shot of Trench One |
| | Overall shot of Trench One |
| | Trench Four mid excavation shot |
| 1~- | |
| | SE NW W W W W W W W E E NE W SE SE SE N W W W W W S S S S |



| 293 | SE | Trench Four mid excavation shot |
|-----|-----|---|
| 294 | SE | Trench Four mid excavation shot |
| 295 | SE | Trench Four mid excavation shot |
| 296 | W | Trench Four mid excavation shot |
| 297 | W | Trench Four mid excavation shot |
| 298 | W | Trench Four mid excavation shot |
| 299 | S | Image showing a close shot of Trench Four |
| 300 | S | Image showing a close shot of Trench Four |
| 301 | N/A | Image showing 1912 Ladies brooch |
| 302 | N/A | Image showing 1912 Ladies brooch |
| 303 | N/A | Image showing 1912 Ladies brooch |
| 304 | N/A | Image showing 1912 Ladies brooch |
| 305 | N/A | Image showing 1912 Ladies brooch |
| 306 | N/A | Image showing 1912 Ladies brooch |
| 307 | N/A | Image showing 1912 Ladies brooch |
| 308 | N/A | Image showing 1912 Ladies brooch |
| 309 | N/A | Image showing Possible Communications cable |
| 310 | N/A | Image showing Possible Communications cable |
| 311 | N/A | Image showing Possible Communications cable |
| 312 | N/A | Image showing Possible Communications cable |
| 313 | W | Image showing section face of Trench Four |
| 314 | W | Image showing section face of Trench Four |
| 315 | W | Image showing section face of Trench Four |
| 316 | Е | Image showing section face of Trench Four |
| 317 | Е | Image showing section face of Trench Four |
| 318 | Е | Image showing section face of Trench Four |
| 319 | Е | Image showing section face of Trench Four |
| 320 | Е | Image showing section face of Trench Four |
| 321 | Е | Image showing section face of Trench Four |
| 322 | Е | Image showing section face of Trench Four |
| 323 | Е | Image showing section face of Trench Four |
| 324 | Е | Image showing section face of Trench Four |
| 325 | Е | Image showing section face of Trench Four |
| 326 | NE | Trench One WWI trench with Bottle In Situ |
| 327 | NE | Trench One WWI trench with Bottle In Situ |
| 328 | NE | Trench One WWI trench with Bottle In Situ |
| 329 | NE | Trench One WWI trench with Bottle In Situ |
| 330 | NE | Trench One WWI trench with Bottle In Situ |
| 331 | NE | Trench One WWI trench with Bottle In Situ |
| 332 | NE | Trench One WWI trench with Bottle In Situ |
| 333 | Е | Trench One WWI trench cut [041] |
| 334 | Е | Trench One WWI trench cut [041] |



| 335 | Е | Trench One WWI trench cut [041] |
|-----|----|---|
| 336 | E | Trench One WWI trench cut [041] |
| 337 | E | Trench One WWI trench cut [041] |
| 338 | E | Trench One WWI trench cut [041] |
| 339 | E | Trench One WWI trench cut [041] |
| 340 | S | Trench One WWI feature W section face. |
| 341 | S | Trench One WWI feature W section face. |
| 342 | S | Trench One WWI feature Turf Revetment |
| 343 | S | Trench One WWI feature Turf Revetment |
| 345 | N | Trench One WWI feature Turf Revetment |
| 345 | N | Trench One WWI Trench in Plan |
| 346 | N | Trench One WWI Trench in Plan |
| 347 | N | Trench One WWI Trench in Plan |
| 348 | W | Trench One Overall shot |
| | W | |
| 349 | | Trench One Overall shot |
| 350 | W | Trench One Overall shot |
| 351 | S | Trench One Overall shot |
| 352 | S | Trench One Overall shot |
| 353 | S | Trench One Overall shot |
| 354 | N | Trench One Overall shot |
| 355 | N | Trench One Overall shot |
| 356 | N | Trench One Overall shot |
| 357 | E | Trench One Overall shot |
| 358 | E | Trench One Overall shot |
| 359 | E | Trench One Overall shot |
| 360 | N | Trench One WWI Turf Revetment S section face |
| 361 | N | Trench One WWI Turf Revetment S section face |
| 362 | N | Trench One WWI Turf Revetment S section face |
| 363 | W | Volunteers in Trench One Working Shot |
| 364 | W | Volunteers in Trench One Working Shot |
| 365 | S | Volunteers in Trench One Working Shot |
| 366 | S | Volunteers in Trench One Working Shot |
| 367 | SE | Trench One Turf Revetment S section face |
| 368 | SE | Trench One Turf Revetment S section face |
| 369 | SE | Trench One Turf Revetment S section face |
| 370 | SE | Trench One Turf Revetment S section face |
| 371 | SE | Trench One Turf Revetment S section face |
| 372 | SE | Trench One Turf Revetment S Section face close shot |
| 373 | SE | Trench One Turf Revetment S Section face close shot |
| 374 | S | Trench One Turf Revetment S Section Face |
| 375 | S | Trench One Turf Revetment S Section Face |
| 376 | S | Trench One Turf Revetment S Section Face |



| 377 | S | Trench One Turf Revetment S Section Face |
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| 378 | S | Trench One Turf Revetment S Section Face |
| 379 | S | Trench One Turf Revetment S Section Face |
| 380 | E | Volunteers in Trench Two Working Shot |
| 381 | W | Volunteers in Trench Two Working Shot |
| 382 | N/A | Removal of Metal plate Find in Trench Two |
| 383 | N/A | Removal of Metal plate Find in Trench Two |
| 384 | N/A | Removal of Metal plate Find in Trench Two |
| 385 | N/A | Removal of Metal plate Find in Trench Two |
| 386 | SE | Volunteers in Trench Four shot |
| 387 | SE | Volunteers in Trench Four shot |
| 388 | SE | Volunteers in Trench Four shot |
| 389 | E | Trench Four E section face |
| 390 | E | Trench Four E section face |
| 391 | E | Trench Four E section face |
| 392 | E | Trench Four E section face |
| 393 | E | Trench Four E section face |
| 393 | E | Trench Four E section face Trench Four E section face |
| 394 | E | Trench Four E section face Trench Four E section face |
| 393 | E | Trench Four E section face Trench Four E section face |
| | E | |
| 397 | | Trench Four E section face |
| 398 | Е | Trench Four E section face Trench Four E section face |
| 399 | E | |
| 400 | W | Trench Four W section face |
| 401 | W | Trench Four W section face |
| 402 | W | Trench Four W section face |
| 403 | W | Trench Four W section face |
| 404 | W | Trench Four W section face |
| 405 | W | Trench Four W section face |
| 406 | W | Trench Four W section face |
| 407 | W | Trench Four W section face |
| 408 | W | Trench Four W section face |
| 409 | W | Trench Four W section face |
| 410 | W | Trench Four W section face |
| 411 | W | Trench Four W section face |
| 412 | W | Trench Four W section face |
| 413 | W | Trench Four W section face |
| 414 | W | Trench Four W section face |
| 415 | W | Trench Four W section face |
| 416 | W | Trench Four W section face |
| 417 | W | Trench Four W section face |
| 418 | W | Trench Four W section face |



| 419 | W | Trench Four W section face |
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| 420 | W | Trench Four W section face Trench Four W section face |
| 420 | W | Trench Four W section face Trench Four W section face |
| 422 | W | Trench Four W section face Trench Four W section face |
| 423 | W | Trench Four W section face Trench Four W section face |
| 423 | W | Trench Four W section face Trench Four W section face |
| | W | |
| 425 | W | Trench Four W section face |
| 426 | | Trench Four W section face Trench Four W section face |
| 427 | W | |
| 428 | W | Trench Four W section face |
| 429 | W | Trench Four W section face |
| 430 | W | Trench Four W section face |
| 431 | W | Trench Four W section face |
| 432 | W | Trench Four W section face |
| 433 | W | Trench Four W section face |
| 434 | W | Trench Four W section face |
| 435 | W | Trench Four W section face |
| 436 | W | Trench Four W section face |
| 437 | W | Trench Four W section face |
| 438 | W | Trench Four W section face |
| 439 | W | Trench Four W section face |
| 440 | W | Trench Four W section face |
| 441 | W | Trench Four W section face |
| 442 | W | Trench Four W section face |
| 443 | W | Trench Four W section face |
| 444 | W | Trench Four W section face |
| 445 | W | Trench Four W section face |
| 446 | W | Trench Four W section face |
| 447 | W | Trench Four W section face |
| 448 | W | Trench Four W section face |
| 449 | W | Trench Four W section face |
| 450 | W | Trench Four W section face |
| 451 | W | Trench Four W section face |
| 452 | W | Trench One E Extension Shot |
| 453 | W | Trench One E Extension Shot |
| 454 | W | Trench One E Extension Shot |
| 455 | W | Trench One E Extension Shot |
| 456 | W | Trench One E Extension Shot |
| 457 | W | Trench One E Extension Shot |
| 458 | W | Trench One E Extension Shot |
| 459 | W | Trench One E Extension Shot |
| 460 | W | Trench One E Extension Shot |



| 461 | W | Trench One E Extension Shot |
|-----|-----|--|
| 462 | W | Trench One E Extension Shot |
| 463 | W | Trench One E Extension Shot |
| 464 | W | Trench One E Extension Shot |
| 465 | W | Trench One E Extension Shot |
| 466 | W | Trench One E Extension Shot |
| 467 | S | Trench One E extension face |
| 468 | S | Trench One E extension face Trench One E extension face |
| 469 | S | Trench One E extension face Trench One E extension face |
| 470 | S | Trench One E extension face Trench One E extension face |
| 471 | S | Trench One E extension face Trench One E extension face |
| 471 | S | Trench One E extension face Trench One E extension face |
| 472 | S | |
| | | Trench One E extension face |
| 474 | N | Trench one Section in Plan |
| 475 | N | Trench one Section in Plan |
| 476 | N | Trench one Section in Plan |
| 477 | N/A | Small Finds Processing |
| 478 | N/A | Small Finds Processing |
| 479 | S | Trench One Post excavation General Shot |
| 480 | S | Trench One Post excavation General Shot |
| 481 | W | Trench One Post excavation General Shot |
| 482 | W | Trench One Post excavation General Shot |
| 483 | W | Trench One Post excavation General Shot |
| 484 | W | Trench One Post excavation General Shot |
| 485 | W | Trench one E Extension in Plan |
| 486 | W | Trench one E Extension in Plan |
| 487 | W | Trench one E Extension in Plan |
| 488 | W | Trench one E Extension in Plan |
| 489 | SW | Trench one E Extension in Plan |
| 490 | SW | Trench One Baulk section, mid trench baulk |
| 491 | SW | Trench One Baulk section, mid trench baulk |
| 492 | NW | Trench One Baulk section, mid trench baulk |
| 493 | NE | Trench One WWI [041] post excavation shot |
| 494 | NE | Trench One WWI [041] post excavation shot |
| 495 | NE | Trench One WWI [041] post excavation shot |
| 496 | NE | Trench One WWI [041] post excavation shot |
| 497 | NE | Trench One WWI [041] post excavation shot |
| 498 | NE | Trench One WWI Trench General Shots |
| 499 | NE | Trench One WWI Trench General Shots |
| 500 | NE | Trench One WWI Trench General Shots |
| 501 | NE | Trench One WWI Trench General Shots |
| 502 | NE | Trench One WWI Trench General Shots |



| S | Trench One Small find in Situ |
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| | Trench One Small find in Situ |
| | Trench One Small find in Situ |
| | Trench One Small find in Situ |
| | Trench One Small find in Situ |
| | |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| | Trench one middle area general shot |
| S | Trench one middle area general shot |
| N | Trench One Baulk section face |
| N | Trench One Baulk section face |
| N | Trench One Baulk section face |
| N | Trench One Baulk section face |
| W | Trench one Baulk E Section face |
| W | Trench one Baulk E Section face |
| W | Trench one Baulk E Section face |
| NE | Trench One Baulk section of WWI Feature |
| NE | Trench One Baulk section of WWI Feature |
| NE | Trench One Baulk section of WWI Feature |
| NE | Trench One Baulk section of WWI Feature |
| N | Trench One Baulk section of WWI Feature |
| N | Trench One Baulk section of WWI Feature |
| N | Trench One Baulk section of WWI Feature |
| S | Trench One post excavation shot of (032) |
| S | Trench One post excavation shot of (032) |
| S | Trench One post excavation shot of (032) |
| S | Trench One post excavation shot of (032) |
| W | Trench One post excavation shot of (032) |
| W | Trench One post excavation shot of (032) |
| W | Trench One post excavation shot of (032) |
| N | Trench One post excavation shot of (032) |
| N | Trench One post excavation shot of (032) |
| | N N N W W W NE NE NE NE N S S S S S W W W N |



| 545 | NW | Trench One post excavation shot of (032) |
|-----|----|--|
| 546 | NW | Trench One post excavation shot of (032) |
| 547 | NW | Trench One post excavation shot of (032) |
| 548 | S | Trench One post excavation shot of (032) |
| 549 | S | Trench One post excavation shot of (032) |
| 550 | S | Trench One post excavation shot of (032) |
| 551 | N | Trench One Turf revetment shot of E extension with |
| | | Volunteers |
| 552 | N | Trench One Turf revetment shot of E extension with |
| | | Volunteers |
| 553 | N | Trench One Turf revetment shot of E extension with |
| | | Volunteers |
| 554 | N | Trench One Turf revetment shot of E extension with |
| | | Volunteers |
| 555 | N | Trench One E extension Turf Revetment |
| 556 | Е | Trench One E extension Turf Revetment |
| 557 | Е | Trench One E extension Turf Revetment |
| 558 | Е | Trench One E extension Turf Revetment |
| 559 | NE | Trench One E extension Turf Revetment |
| 560 | NE | Trench One WWI feature Turf revetment in E Extension |
| 561 | NE | Trench One WWI feature Turf revetment in E Extension |
| 562 | NE | Trench One WWI feature Turf revetment in E Extension |
| 563 | NE | Trench One WWI feature Turf revetment in E Extension |
| 564 | S | Trench Three Overall Shot Post Excavation |
| 565 | S | Trench Three Overall Shot Post Excavation |
| 566 | S | Trench Three Overall Shot Post Excavation |
| 567 | S | Trench Three Section Shots |
| 568 | NE | Trench Three Section Shots |
| 569 | NE | Trench Three Section Shots |
| 570 | Е | Trench Three Section Shots |
| 571 | Е | Trench Three Section face trench edge |
| 572 | Е | Trench Three Section face trench edge |
| 573 | Е | Trench Three Section face trench edge |
| 574 | Е | Trench Three Section face trench edge |
| 575 | Е | Trench Three High overall Shots |
| 576 | S | Trench Three High overall Shots |
| 577 | S | Trench Three High overall Shots |
| 578 | S | Trench Three High overall Shots |
| 579 | S | Trench Three High overall Shots |
| 580 | S | Trench Three High overall Shots |
| 581 | N | Trench Three High overall Shots |
| 582 | N | Trench Three High overall Shots |



| 502 | NT. | Transh Three High everall Chate |
|-----|-----|--|
| 583 | N | Trench Three High overall Shots |
| 584 | N | Trench Three High overall Shots |
| 585 | N | Trench One E Extension Shot in Plan |
| 586 | W | Trench One E Extension Shot in Plan |
| 587 | W | Trench One E Extension Shot in Plan |
| 588 | W | Trench One E Extension Shot in Plan |
| 589 | W | Trench One E Extension Shot in Plan |
| 590 | Е | Trench One E Extension |
| 591 | Е | Trench One E Extension |
| 592 | NE | Trench One E Extension |
| 593 | S | Trench One E Extension |
| 594 | S | Trench One E Extension |
| 595 | Е | E extension in trench one w section face |
| 596 | Е | E extension in trench one w section face |
| 597 | Е | E extension in trench one w section face |
| 598 | N/A | Small find in Situ in Trench One E extension |
| 599 | N/A | Small find in Situ in Trench One E extension |
| 600 | SE | Trench One WWI feature section face |
| 601 | SE | Trench One WWI feature section face |
| 602 | SE | Trench One WWI feature section face |
| 603 | SE | Trench One WWI feature section face |
| 604 | SE | Trench One WWI feature section face |
| 605 | SE | Overall Shot of Trench One Mid Trench |
| 606 | SE | Trench One WWI feature Overall Trench Shot |
| 607 | SE | Trench One WWI feature Overall Trench Shot |
| 608 | Е | Volunteers in Trench One |
| 609 | Е | Volunteers in Trench One |
| 610 | Е | Volunteers in Trench One |
| 611 | SE | Trench One close shot of WWI section face |
| 612 | SE | Trench One close shot of WWI section face |
| 613 | SE | Trench One close shot of WWI section face |
| 614 | SE | Trench One close shot of WWI section face |
| 615 | SE | Trench One close shot of WWI section face |
| 616 | SE | Trench One close shot of WWI section face |
| 617 | SE | Trench One close shot of WWI section face |
| 618 | SE | Trench One close shot of WWI section face |
| 619 | SE | Trench One close shot of WWI section face |
| 620 | SE | Trench One close shot of WWI section face |
| 621 | SE | Volunteers and staff working shot |
| 622 | SE | Volunteers and staff working shot |
| | | |
| 623 | E | Volunteers and starr working snot |
| 623 | E | Volunteers and staff working shot |



| 625 | SE | Trench One General shot of WWI feature |
|-----|-----|--|
| 626 | NE | Volunteers and Staff Working Shot |
| 627 | N/A | Volunteer Group Shot |
| 628 | N/A | Volunteer Group Shot |
| 629 | N/A | Volunteer Group Shot |
| 630 | N/A | Volunteer Group Shot |
| 631 | N/A | Volunteer Group Shot |
| 632 | N/A | Volunteer Group Shot |
| 633 | N/A | Volunteer Group Shot |
| 634 | W | Trench One WWI Feature General Shot |
| 635 | W | Trench One WWI Feature General Shot |
| 636 | W | Trench One WWI Feature General Shot |
| 637 | W | Trench One WWI Feature General Shot |
| 638 | W | Trench One WWI Feature General Shot |
| 639 | W | Trench One WWI Feature General Shot |
| 640 | W | Trench One WWI Feature General Shot |
| 641 | W | Trench One WWI Feature General Shot |
| 642 | Е | Trench One WWI Feature General Shot |
| 643 | Е | Trench One WWI Feature General Shot |
| 644 | Е | Trench One WWI Feature General Shot |
| 645 | Е | Trench One WWI Feature General Shot |
| 646 | Е | Trench One WWI Feature General Shot |
| 647 | S | Trench Two Opening Shot |
| 648 | W | Trench Two Opening Shot |
| 649 | W | Trench Two Opening Shot |
| 650 | Е | Trench Two Opening Shot |
| 651 | S | Trench Two Machine slot opening |
| 652 | S | Trench Two S Machine Slot |
| 653 | W | Trench Two S Machine Slot |
| 654 | W | Trench One Volunteers working shot |
| 655 | NW | Trench One Volunteers working shot |
| 656 | W | Trench One Volunteers working shot |
| 657 | NE | Trench One Volunteers working shot |
| 658 | SE | Trench One Volunteers General Shot |
| 659 | SW | Trench Two Volunteers General Shot |
| 660 | SW | Trench Two Volunteers General Shot |
| 661 | S | Trench Two Volunteers General Shot |
| 662 | Е | Trench Two Volunteers General Shot |
| 663 | W | Trench One pre excavation overall shot |
| 664 | S | Trench One pre excavation overall shot |
| 665 | S | Trench One W extension shot |
| 666 | N | Trench One (032) S section face |



| 667 | S | Trench Two General shot |
|-----|----|---|
| 668 | Е | Trench Two General shot |
| 669 | S | Trench Two S section face |
| 670 | SW | Trench Two General shot |
| 671 | SE | Trench Two General shot |
| 672 | S | Trench Two S Section Face |
| 673 | S | Trench Two (018) in S machine slot |
| 674 | Е | Trench Two (018) in S machine slot |
| 675 | Е | Trench Two Possible WWI Feature |
| 676 | S | Trench Two W Extension shot |
| 677 | N | Trench Two W Extension shot |
| 678 | N | Trench Two W Extension shot |
| 679 | Е | Close shot of Trench Two W Extension linear feature |
| 680 | SE | Close shot of Trench Two W Extension linear feature |
| 681 | S | Close shot of Trench Two W Extension linear feature |
| 682 | S | Trench Two Clean shot of S machine slot |
| 683 | S | Trench Two S baulk section face |
| 684 | Е | Trench Two S Machine Slot |
| 685 | S | Trench Two N Machine Slot |
| 686 | S | Trench Two N Machine Slot |
| 687 | S | General Shot of Trench Two S end |
| 688 | Е | General Shot of Trench Two S end |
| 689 | Е | General Shot of Trench Two S end |
| 690 | S | General Shot of Trench Two S end |
| 691 | S | Volunteer working shot in Trench One |
| 692 | S | Volunteer working shot in Trench One |
| 693 | S | Volunteer working shot in Trench One |
| 694 | N | Trench Two section chowing (022) and (023) |
| 695 | Е | Trench Two section chowing (022) and (023) |
| 696 | Е | Trench Two section chowing (022) and (023) |
| 697 | Е | Trench Two section chowing (022) and (023) |
| 698 | N | Trench Two section chowing (022) and (023) |
| 699 | N | Trench Two section chowing (022) and (023) |
| 700 | S | Trench Two section chowing (022) and (023) |
| 701 | Е | Trench Two section chowing (022) and (023) |
| 702 | S | Trench Two WWI feature |
| 703 | Е | Trench Two WWI feature |
| 704 | S | Trench Two WWI feature |
| 705 | N | Trench Two WWI feature |
| 706 | Е | Trench Two WWI feature |
| 707 | Е | Trench Two WWI feature |
| 708 | SE | Trench Two working shot |



| 709 | Е | Trench Two High general shot |
|-----|----|---|
| 710 | E | Trench Two High general shot |
| 711 | E | Trench Two High general shot |
| 712 | E | Trench Two High general shot |
| 713 | E | Trench Two close shot of WWI feature |
| 714 | E | Trench Two close shot of WWI feature |
| 715 | E | Trench Two close shot of WWI feature |
| 716 | N | Trench Two WWI feature shot |
| 717 | N | Trench Two WWI feature shot |
| 717 | W | Trench Two WWI feature shot |
| 719 | W | Trench Two WWI Feature W section face |
| 720 | N | |
| 720 | E | Trench Two Working Shot |
| | E | Trench Two Working Shot Trench Two WWI Feature Section Face |
| 722 | | |
| 723 | E | Trench Two WWI Feature Section Face |
| 724 | E | Trench Two WWI Feature Section Face |
| 725 | Е | Trench Two WWI Feature Section Face |
| 726 | Е | Trench Two WWI Feature Section Face |
| 727 | S | Trench Two Volunteers working shot |
| 728 | S | Trench Two General shot of WWI Feature |
| 729 | W | Trench Two General shot of WWI Feature |
| 730 | N | Trench Two General shot of WWI Feature |
| 731 | N | Trench Two General shot of WWI Feature |
| 732 | S | Trench Two Volunteers shot |
| 733 | Е | Trench Two General Shot |
| 734 | Е | Trench Two General Shot |
| 735 | E | Trench Two General Shot |
| 736 | E | Trench Two General Shot |
| 737 | E | Trench Two General Shot |
| 738 | Е | Trench Two close shot of WWI feature |
| 739 | E | Trench Two close shot of WWI feature |
| 740 | S | Overall General Shot of Trench Two |
| 741 | S | Overall General Shot of Trench Two |
| 742 | E | Close Shot of WWI feature section face |
| 743 | Е | Close Shot of WWI feature section face |
| 744 | W | Overall Trench Two shots |
| 745 | N | Overall Trench Two shots |
| 746 | N | Overall Trench Two shots |
| 747 | NE | Overall Trench Two shots |
| 748 | Е | Overall Trench Two shots |
| 749 | S | Overall Trench Two shots |



