



South Industrial Zone

Supplementary Environmental Statement
September 2020
Volume 3: Technical Appendices
(Section 6 Below Ground Heritage)

Appendix 6.1

Pre-Construct Archaeology 2020





NEGATIVE WATCHING BRIEF REPORT

**South Bank
Redcar
Redcar & Cleveland**

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Client: Prospect Archaeology

PCA Project Number: 498

PCA Site Code: RSW20

LOCATION

Planning Authority: Redcar & Cleveland

Borough: Redcar & Cleveland

Site address: South Bank

DEVELOPMENT DESCRIPTION:

An outline planning application is being submitted for the development of up to 41.8 hectares of general industry (use Class B2) and storage or distribution facilities (Use Class B8) with ancillary office accommodation, HGV and car parking and associated works at South Bank, Redcar, the site of the former Teesside Works, Cleveland (Figure 1). An archaeological watching brief was undertaken by Pre-Construct Archaeology on behalf of Prospect Archaeology in association with geotechnical investigations at the site.

The archaeological watching brief work was undertaken across the north-eastern part of the site known as the 'Metals Recovery Area', covering an area of c. 204,700 m². The natural topography of the site at this location has been heavily affected by its use for spoil grounds from the iron and steel works that were present here from the 19th century onwards.

Twenty-five test pits (TP1-7, TP21, TP22, TP24, TP25, TP101-108, TP111-113, TP117, TP118 & TP204) located across the site were to be monitored during the geotechnical investigation works (Figure 2). Five test pits (TP1, TP2, TP5, TP6 & TP7) had already been excavated and backfilled prior to the starting of the archaeological watching brief work.

REASON FOR WATCHING BRIEF:

This archaeological watching brief was undertaken to support an outline planning application for the site. A desk-based assessment for the overall site has highlighted the archaeological potential for undesignated assets for the Industrial-Modern Periods (Prospect Archaeology 2020).

The archaeological potential for the area under investigation is specifically for Second World War facilities near Teesport. During the Second World War the, Teesport properties are understood to have been used as accommodation and administrative buildings for the Heavy Anti-Aircraft Gun Battery constructed close to the south, within the Site. An account of life on the battery by Joyce Stott was published by the BBC in 2005. Towards the end of the war when Joyce was stationed there, she recalled that conditions were primitive: they had electricity but the fuse was a 6" nail, flush toilets were only provided for the women, and there was no N.A.A.F.I., just a 'Sally Ann' van that brought tea and buns in the morning. The guns were 3.7s with 4-5" barrels and manual fuse setters so were slow firers but the Radar was more up-to-date being a Canadian-built Mark 3 (Joyce Stott WW2 People's War). Aerial photographs dating to 1953 show the layout of the battery and associated buildings, including the foundations of the Teesport houses (Prospect Archaeology 2020).

Any survival of the Second World War facilities near Teesport if present would of regional significance.

It was the aim of this scheme of work to identify the presence or absence of any archaeological deposits or features associated with the Second World War facilities at the site to mitigate potential impacts to the heritage resource.

DATES WORK UNDERTAKEN:

Archaeological work was undertaken at the site on the following dates:

- Tuesday 07/07/2020
- Wednesday 08/07/2020
- Thursday 09/07/2020
- Friday 10/07/2020

RESULTS:

During the watching-brief, separate stratigraphic entities were assigned unique and individual 'context' numbers, which are indicated in the following text as, for example [100].

Twenty test pits (TP3, TP4, TP21, TP22, TP24, TP25, TP101-108, TP111-113, TP117, TP118 & TP204) were excavated using a tracked 360° 20-tonne mechanical excavator utilising a toothed ditching bucket. The results for each monitored test pit are summarised in the table below.

Context	Description	Min Thickness (m)	Max Thickness (m)
Test Pit 3	Dimensions: 5.50m NW/SE x 0.60m NE/SW x 4.50m deep		Height: 7.34m AOD
300	Compact black cinder & ash	-	0.40
301	Compact black coal and cinder	-	0.50

302	Firm dark brown silty clay	-	0.10
303	Indurated light-mid iron slag	-	>3.50
Test Pit 4	Dimensions: 5.00m NW/SE x 1.20m NE/SW x 4.50m deep	Height: 7.12m AOD	
400	Compact black cinder & ash	-	0.40
401	Loose black clinker and cinder	0.50	1.00
402	Compact mid to dark grey iron slag	0.50	1.50
403	Indurated black iron slag and cinder	-	>2.00
Test Pit 21	Dimensions: 5.00m NW/SE x 0.60m NE/SW x 4.50m deep	Height: 10.49m AOD	
2100	Compact black clinker	-	0.20
2101	Compact dark grey clinker with frequent quantities of fire brick and red brick rubble	-	1.50
2102	Firm black coal and cinder	-	0.50
2103	Compact mid-dark grey iron slag	-	1.50
2104	Friable mid to dark brown friable silty clay	-	0.80
2105	Indurated dark grey iron slag	-	>1.50
Test Pit 22	Dimensions: 5.60m NW/SE x 0.60m NE/SW x 4.50m deep	Height: 8.04m AOD	
2200	Compact iron slag and cinder	-	0.40
2201	Firm dark brown silty clay	-	0.10
2202	Indurated mid to dark grey iron slag	-	>4.00
Test Pit 24	Dimensions: 5.00m NW/SE x 0.60m NE/SW x 4.50m deep	Height: 7.46m AOD	
2404	Compact black iron slag and cinder	-	0.40
2400	Loose mid to dark grey iron slag	0.50	1.50
2401	Compact black coal, cinder and iron slag	-	0.20
2402	Friable mid to dark brown silty clay	-	0.30
2403	Indurated dark grey iron slag	-	>3.60
Test Pit 25	Dimensions: 5.00m NW/SE x 0.60m NE/SW x 4.50m deep	Height: 7.88m AOD	
2504	Compact black iron slag and cinder	-	0.40
2500	Loose dark grey cinder, ash and iron slag	-	0.50
2501	Firm light to mid brown silty clay	-	0.40
2502	Firm light to mid brown silty clay	-	0.80
2503	Indurated mid to dark grey iron slag. Large piece of formed concrete (900mm x 300mm x 200mm)	-	>2.40
Test Pit 101	Dimensions: 5.50m NW/SE x 4.00m NE/SW x 4.50m deep	Height: 10.05m AOD	
10100	Compact black ash and cinder	-	0.20
10101	Indurated mid brown iron slag	0.40	2.20
10102	Indurated mid grey iron slag	0.30	1.90
10103	Loose mid brown sand and dark reddish brown ash and sand	-	>2.00
Test Pit 102	Dimensions: 4.00m NW/SE x 4.00m NE/SW x 0.50m deep	Height: 9.94m AOD	
10200	Friable mid brown clayey silt	-	0.20m
10201	Friable mid grey iron slag	-	0.60
10202	Concrete slab	-	-

Test Pit 103	Dimensions: 4.00m NW/SE x 2.00m NE/SW x 4.50m deep	Height: 10.47m AOD	
10300	Compact black ash and cinder	-	0.60
10301	Indurated black iron slag	-	2.50
10302	Indurated mid grey iron slag	-	>1.40
Test Pit 104	Dimensions: 5.00m NW/SE x 2.50m NE/SW x 4.50m deep	Height: 10.73m AOD	
10400	Compact black ash and iron slag	-	0.20
10401	Indurated black iron slag	-	1.20
10402	Indurated black iron slag within an ash and cinder matrix	-	3>.10
Test Pit 105	Dimensions: 5.00m NW/SE x 2.00m NE/SW x 4.50m deep	Height: 10.49m AOD	
10500	Compact mid greyish brown sand ash and cinder. Frequent inclusions of modern debris	0.50	1.10
10501	Compact mid grey iron slag	-	1.10
10502	Indurate mid grey iron slag	-	>2.30
Test Pit 106	Dimensions: 4.80m NW/SE x 1.20m NE/SW x 4.50m deep	Height: 7.64m AOD	
10603	Loose mid grey iron slag, ash and cinder	-	0.30
10600	Loose dark grey iron slag	-	1.20
10601	Loose sand. Inclusions of fire brick rubble	-	1.00
10602	Indurated iron slag	-	>4.20
Test Pit 107	Dimensions: 4.00m NW/SE x 1.20m NE/SW x 4.50m deep	Height: 7.86m AOD	
10702	Loose iron slag cinder and ash	-	0.50
10700	Firm mid to dark brown silty clay	-	0.30
10701	Indurated dark grey iron slag	-	>3.70
Test Pit 108	Dimensions: 4.00m NW/SE x 1.20m NE/SW x 4.50m deep	Height: 7.86m AOD	
10800	Loose black ash and cinder	-	0.20
10801	Compact black ash, cinder and iron slag	-	0.40
10802	Indurated black iron slag	-	>3.90
Test Pit 111	Dimensions: 6.00m E/W x 1.20m N/S x 4.50m deep	Height: 7.65m AOD	
11103	Compact cinder, clinker and iron slag	-	0.30
11100	Loose dark grey iron slag	-	0.80
11101	Concrete slab	-	0.80
11102	Loose dark grey iron slag	-	>2.60
Test Pit 112	Dimensions: 4.80m NW/SE x 1.20m NE/SW x 4.50m deep	Height: 10.49m AOD	
11202	Compact black iron slag and cinder	-	0.50
11200	Firm dark grey iron slag and fire brick rubble	-	1.00
11201	Indurated dark grey iron slag	-	>3.00
Test Pit 113	Dimensions: 4.00m NW/SE x 1.20m NE/SW x 4.50m deep	Height: 10.47m AOD	
11300	Compact iron slag and cinder	-	0.50
11301	Indurated dark grey iron slag with fire brick rubble	-	>4.00
Test Pit 117	Dimensions: 5.60m NW/SE x 0.60m NE/SW x 4.50m deep	Height: 8.45m AOD	
11700	Compact iron slag and cinder	-	0.40
11701	Indurated dark grey iron slag	-	>4.10

Test Pit 118	Dimensions: 5.00m NW/SE x 0.60m NE/SW x 4.50m deep	Height: 7.40m AOD	
11800	Compact iron slag and cinder	-	0.40
11801	Indurated dark grey iron slag	0.30	0.40
11802	Indurated dark grey iron slag	-	3.20
Test Pit 204	Dimensions: 5.60m NW/SE x 1.20m NE/SW x 4.50m deep	Height: 7.64m AOD	
20400	Compact ash and cinder. Frequent inclusions of modern debris material	-	2.00
20401	Firm dark grey iron slag, cinder and ash	-	0.30
20402	Indurated dark grey iron slag	-	>2.20

Modern dump deposits were recorded in all monitored test pits (TP3, TP4, TP21, TP22, TP24, TP25, TP101-108, TP111-113, TP117, TP118 & TP204). The dump deposits had a maximum combined thickness of at least 4.50m, this being the maximum depth of the trial pits, and comprised various compositions of ash, clinker iron slag, silt and clay. All deposits encountered in the test pits probably represent the disposal of by-products from the iron and steel industries in the 20th century (Plate 1).

A single piece of formed concrete was observed from dump deposit [2503] (Test Pit 25) that could potentially have derived from the World War Two structures (Plate 2). However, this was not in situ and its origin was not established.

A concrete slab [10202] was encountered c. 0.80m below present ground level in Trial Pit 102. This slab formed the capping of a modern service. No further excavation was undertaken at this location.

The present surface across the site comprised various compositions of slag, ash and cinder (TP3: [300], TP4: [400], TP21: [2100], TP22: [2200], TP24: [2404], TP25: [2504], TP101: [10100], TP102: [10200], TP103: [10300], TP104: [10400], TP105: [10500], TP106: [10603], TP107: [10702], 108: [10800], TP111: [11103], TP112: [11202], TP113: [11300], TP117: [11700], TP118: [11800] & TP204: [20400]). The existing ground surface ranged from a maximum height of 10.73m AOD at TP104 to a minimum height of 7.12m AOD at TP4, this reflecting the undulating topography of the site resulting from the former dumping activity.

No deposits or features of archaeological significance were encountered during the investigation. No structural remains associated the World War Two facilities that were known to occupy the north-eastern portion of the site were identified.

ACCOMPANYING DOCUMENTATION:

Figure 1- Site Location

Figure 2- Test Pit Location

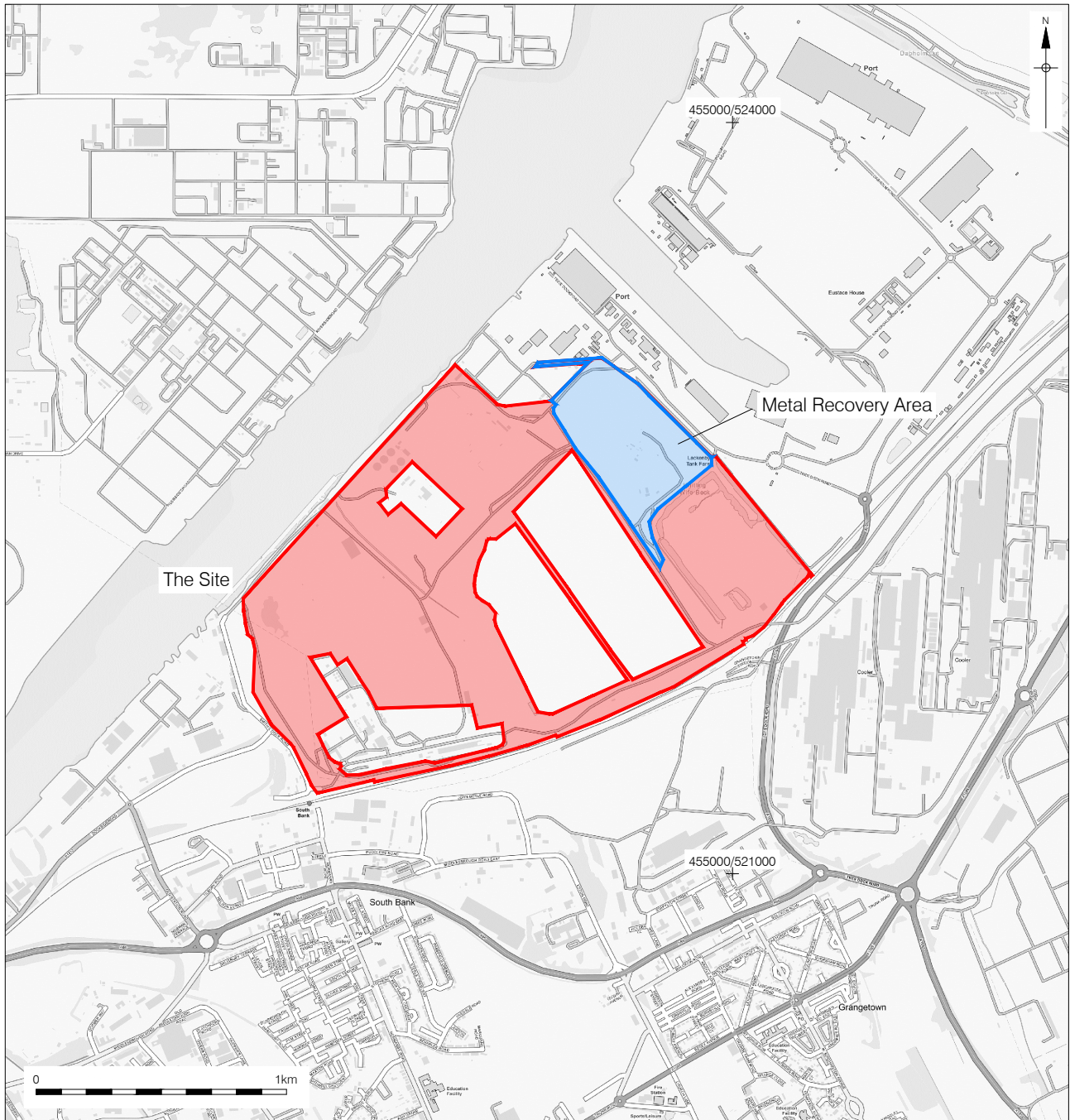
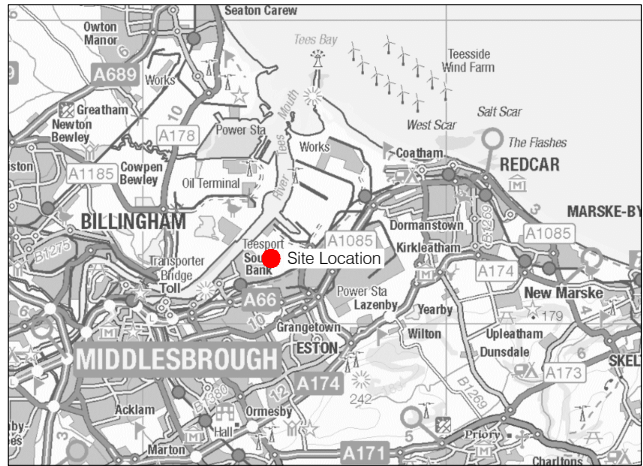
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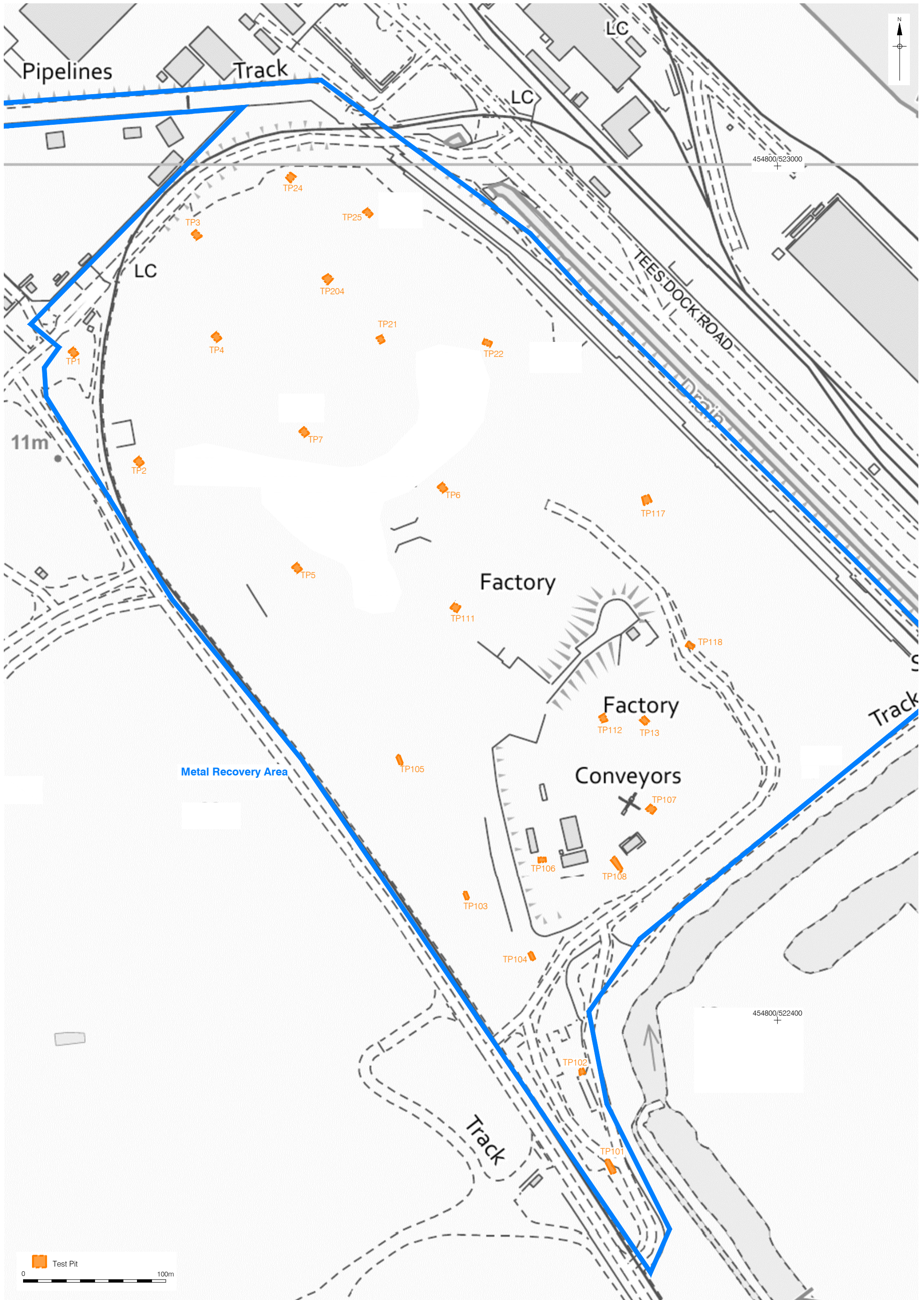
All documentation resulting from this project will be archived internally by PCA.

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Authorised: Aaron Goode
Date: 31/07/20





PLATES:



Plate 1- Test Pit 103. View north-west. 1m scale.



Plate 2- Test Pit 25. Showing concrete from dump deposit [2503]. 0.5m scale.

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