



SITE CONDITION REPORT

**SECURE WASTE & RECYCLING FACILITY
CHIMNEY ROAD
TIPTON
WEST MIDLANDS
DY4 7BY**

**Document Reference: BF5094/06.R0
November 2025**



**Project Quality Assurance
Information Sheet**

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MIDLANDS, DY4 7BY***

Report Status : Final

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Prepared for : Biffa Waste Services Limited

Prepared by : Sirius Environmental Limited
The Beacon Centre for Enterprise
Dafen
Llanelli
SA14 8LQ

Written by :

**William Rees BSc (Hons) MSc
Graduate Environmental Consultant**

Reviewed by :

**Dylan Thomas BSc (Hons) PGDip MCIWM
Principal Environmental Consultant**

Approved by :

**Mark Griffiths BSc (Hons) MSc CGeol MCIWM
Environmental Director**

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**TIPTON SECURE WASTE & RECYCLING FACILITY
CHIMNEY ROAD
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SITE CONDITION REPORT

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1.0 SITE CONDITION REPORT CONTEXT

- 1.1 Sirius Environmental Limited (Sirius) has been commissioned by Biffa Waste Services Limited (Biffa) to prepare an application to vary Environmental Permit EPR/FB3809KS to facilitate changes to the waste treatment activities to be carried out at the site located at Chimney Rd, Tipton, West Midlands, DY4 7BY.
- 1.2 Biffa are currently permitted to operate a non-hazardous Waste Transfer Station and Materials Recycling Facility at Chimney Road, Tipton, West Midlands, DY4 7BY under Environmental Permit number EPR/FB3809KS. These operations have since ceased whilst regulatory consents are revised to facilitate redevelopment of the site to accommodate new and revised waste treatment activities.
- 1.3 Biffa are now seeking to redevelop this site into a Secure Waste and Recycling Facility (SWaRF). Principally, this is for the purposes of destroying counterfeit, 'grey market' or confiscated goods, in addition to returned online orders to prevent them reaching the market. Whilst wastes will be treated onsite, this is for the purposes of an 'initial destruction' with almost all subsequent wastes going on for further processing and recovery.
- 1.4 The operator's main intention is to destroy products to prevent them from reaching the market and consumers. Processed fractions will be transferred offsite to other suitable facilities for advanced processing and recovery (e.g. 'black matter' leftover from Lithium-Ion cells).
- 1.5 The current permit (EPR/FB3809KS) only includes for the acceptance of non-hazardous waste streams at the site. Activities at Tipton SWaRF will include the treatment via manual sorting/de-packaging, shredding, milling, bulking, compacting, chemical treatment, blending, compaction and baling of a range of non-hazardous and hazardous wastes.
- 1.6 Waste management activities have been regulated at the site since July 1996, A Site Condition Report (Ref.: BF4851/SCR (rev 0)) has been previously prepared for the facility in September 2013. This established the baseline condition of the site through desk-based review of available information sources.
- 1.7 The 2013 Site Condition Report (SCR) was compiled in accordance with the EP Regulations and with Horizontal Guidance Note 5, Site Condition Reports – Guidance (v3.0, April 2013) and Template (v2.0, August 2008). Information was gathered based on a desk study review of publicly available information, as well as an Envirocheck ® Report by Landmark (Report Reference: 48671021_1_1; Dated 27/08/2013) (included within Appendix 1).
- 1.8 The proposed changes to the permitted activities introduces a range of scheduled hazardous waste treatment activities to the Environmental Permit. The introduction of these scheduled installation activities activates Article 22 (2) of the Industrial Emissions Directive (IED) and the requirement to consider the preparation of a 'Baseline Report' before starting operations for an installation.
- 1.9 This Report builds on the 2013 SCR, activating the Sections 4-7 of the H5 SCR template, which outlines the changes to the facility proposed under the proposed variations to the permitted facility at Tipton. Sections 2.0-4.0 of the 2013 SCR have been reproduced in this report.

2.0 SITE DETAILS

Site Location

- 2.1 Tipton Waste Transfer Station is located off Chimney Road, Bagnall Street Industrial Estate, approximately 2.5km east of Tipton town centre – as shown in **Drawing No. BF5094/12/01.**
- 2.2 The sites full address is:-

Chimney Road
Bagnall Street Industrial Estate
Great Bridge
Tipton
West Midlands
DY4 7BS.
- 2.3 The National Grid Reference (NGR) for the site is SO 97944 92922.
- 2.4 Bagnall Street Industrial Estate forms part of a larger industrial complex which encompasses the residential conurbation of Harvills Hawthorn, located approximately 300m east of the site. Around this conurbation the industrial complex extends over 2km to the north and generally between 1 to 1.5km to the northeast, south and southeast.
- 2.5 The canalised section of the River Tame flows northwards immediately west of the site, beyond which are the A41 dual carriageway (Black Country New Road), a disused railway line and Walsall Canal respectively. Beyond this infrastructure are the residential suburbs of Toll End, in which the nearest residential property is c. 160m from the site boundary.

3.0 CONDTION OF THE LAND AT PERMIT ISSUE

Introduction

- 3.1 The site has held a Licence (later referred to as a Permit) to operate a Waste Transfer Station since November 1996. In 2013 an Environmental Permit Variation Application (EPVA) was submitted to the Environment Agency which included the provision of an SCR for the site. This was later approved and issued in February 2014 (Permit Reference Number EPR/MP3197FQ, which was updated in 2022 to Permit Reference Number EPR/FB3809KS). The details of the previously approved SCR have been included within this updated document for completeness and can be considered to represent the condition of the land at Permit Issue.
- 3.2 The condition of the land at permit issue was established by a review of the following information main sources:-
- Landmark Information Services: Envirocheck Report [Ref: 48671021_1_1; Dated 27/08/2013] (**Appendix 1**);
 - British Geological Survey (BGS) 1:50,000 Scale Solid and Drift Geology Maps; and
 - Available data held by the Environment Agency
- 3.3 No investigative reports relating to the application site were available during preparation of the original SCR prepared in August 2013.
- 3.4 Other information sources are referenced accordingly.

Development History

- 3.5 The development history of the permitted site and land up to 250m from the site boundary has been established through a review of available historical county series and ordnance survey maps. Details of the site history are provided in **Table 1**.

Table 1: Development History

Period	On site	Surrounding land (up to 250m radius)
1889-1890	A brick works occupied the site whilst a canal ran along the eastern perimeter. The western embankment of a clay pit to the east of the site extended slightly into the site's south-eastern corner.	A conveyor extended south from the on-site brick works to a clay pit located immediately south of the site. The pit measured c. 150m north-south and c. 75m west-east. To the east of the clay pit (southeast of the permitted site) was Brickhouse pit with several shafts and other surface infrastructure. The canal thorough the site extended southwards to this pit. Agricultural land was present to the south of the clay pit and neighbouring Brickhouse Pit, beyond which was the Great Bridge Branch Line (railway). Another claypit was present to the north of the Brickhouse pit (east-southeast of the site) which measured c. 150m north-south and c. 100m west-east and encroached slightly onto the south-eastern edge of the permitted site. A lagoon was present in the approximate centre of the pit. A conveyor linked the pit to a brickworks to its north (northeast of the permitted site). A much larger pit was also present to the west of the brickworks and associated pit, segregated by a track. The 'Balls Hill Branch' of the

Period	On site	Surrounding land (up to 250m radius)
		'Birmingham Canal' was present to the east of this pit. Old shafts were identified within 25m north of the site within disused pits/tip that extended up to the Bagnall Street roadway, c. 75m north of the site. Bagnall Street extended east-northeast passed Goldsgreen Collieries, c. 100m northwest of the permitted site. A crane was also present to south of Bagnall Street, c. 200m northeast of the permitted site. Residential properties were present north of Bagnall Street, beyond Goldgreen Colliery, c. 250m northeast of the permitted site. Circa. 75m north of the site, beyond Bagnall Street was the Danks Branch Canal, beyond which was Frogs meadow Colliery. To the west of the permitted site was the canalised River Tame beyond which was a series of railway sidings and associated buildings and cranes. These sidings connected with the South Staffordshire mainline northeast of the Great Bridge Station. At its nearest point, the mainline traversed south-southwest to north-northeast c. 250m from the permitted site's north-western corner. The Walsall Canal routed approximately south-north c. 120m west of the permitted site - immediately west of the railway sidings and subsequently crossed beneath the South Staffordshire main line at a point immediately northeast of Great Bridge Station. To the north of the Great Bridge Station and west of the Walsall Canal was the Greatbridge Iron & Steel Works, c. 150m west-northwest of the permitted site. Further old shafts and spoil heaps of the Crownmeadow and disused Eagle collieries occupied area to the west/northwest of the South Staffordshire mainline. Numerous old shafts and Bagnall's Pools were present in these areas.
1904	The brickworks was disused, although most of the associated buildings and canal remained.	The clay pit to the south was flooded. Brickhouse Pit/Colliery to the southeast was disused, although most of the associated infrastructure remained. To the east of the neighbouring Brick (& Tile) Works a mineral railway had been constructed to service Golds Green Slag Works, which occupied a large area up to the Birmingham Canal. A tube works occupied the site of the former Frog Meadows Colliery site to the north of the Danks branch Canal. A Sewage Works had been constructed on the site formerly occupied by Bagnall's Pools.
1919-1921	Most of the building associated with the brickworks had been removed. The length of the canal had been shortened and only occupied the north eastern section of the site.	Golds Green Slag Works was no longer present to the east. A sand pit was present to the south of its former location. The sewage works to west/northwest of the South Staffordshire mainline have expanded northwards.

Period	On site	Surrounding land (up to 250m radius)
1938-1955	All buildings of the former brickworks had been removed. A single building had been built to the south of the shortened canal.	A pump house was located near the centre of the clay pit to the south of the permitted site and the flooded area had been reduced. The footprint of the brickworks to the northeast had increased slightly and included a chimney. A Brass and Iron Foundry had been constructed c. 50m northeast of the brickworks. The large complex of the Golds Hill Ironworks had also been constructed to the east of the foundry. An iron and steel works was also present on the site of the former Golds Green Colliery to the north of Bagnall Street. The Great Bridge (Metal) Works now occupied the former Frog Meadow Colliery site. The Great Bridge Iron & Steel Works to the north of Great Bridge Station had been demolished, with additional metal works present to the southwest.
1965-1970	The southern section of the site was a refuse tip. Several tracks lead to the tip within the northern section of the site. The canal in the north-eastern corner was a dry basin.	The refuse tip extended to the west of the site over the former brickworks site. Further tracks extended to the tip from the Bagnall Street to the north. A former clay pits to the south and southeast of the permitted site were ponds. A slaughter house was located to the south of Bagnall Street, c. 75m northeast of the permitted site. The Metal Works to the north of Great Bridge Station had extended eastwards.
1978-2006	Several small buildings (works) occupied the site.	Over this period the land to the east, south and north developed with a range of small to large factory, depot and work units with associated highways, including George Henry Road and Chimney Road within 100m east of the site.

Geology

- 3.6 The local geology has been identified from the review of BGS 1:50,000 scale geology maps. Relevant extracts of these maps are presented in **Appendix 2**.
- 3.7 BGS maps indicates made ground to be present beneath the majority of the site, the wider industrial complex and large areas to the east of the A41 dual carriageway (Black Country New Road). A relatively small area of infilled ground is also show to the east and southeast of the site, extending slightly within the eastern perimeter of the application site. The areas of artificial ground are associated with the large historical clay extraction in the area.
- 3.8 There are no superficial deposits recorded beneath the site. Alluvium deposits (clay, silt, sand and gravel) associated the floodplains of the River Tame are recorded to the immediate west of the site. Devensian Till (Diamicton) and Glaciofluvial (sand and gravel) deposits are also recorded within the wider environmental setting, c. 150m to the west and c. 250m east of the site respectively.
- 3.9 All relevant ground stability hazards at the site are considered very low to low, except for the compressible ground which is afforded a moderate hazard potential.

Hydrogeology

- 3.10 The Alluvium deposits adjacent to the site are classified as a Secondary A aquifer, as are the Glaciofluvial deposits. The Devensian till deposits are unproductive. Similarly, both the underlying Etruria Formation and the Middle

Coal Measures are classified as Secondary A Aquifers. Secondary A aquifers consist of permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

- 3.11 The site is not located in a Source Protection Zone. An information search further indicates that there are 3 authorised groundwater abstractions (excluding duplicates) within 2km of the site. Details of the most up-to-date version of each permit are reproduced in **Table 2**.

Table 2: Summary of groundwater abstractions within 2km of the site

Parameter	Details
Operator: Licence Number: Permit Version: Location: Abstraction: Abstraction Type: Daily Rate (m3): Yearly Rate (m3): Details: Permit Start Date: Permit End Date:	Ervin Amasteel UK Ltd Md/028/0008/003 1 257m E; Harvills Hawthorn Borehole Metal: Process Water Water may be abstracted from a single point Not Supplied Not Supplied Harvills Hawthorn, Tipton 4th December 2009 Not Supplied
Operator: Licence Number: Permit Version: Location: Abstraction: Abstraction Type: Daily Rate (m3): Yearly Rate (m3): Details: Permit Start Date: Permit End Date:	Brockhouse Forgings Ltd 03/28/08/0111 100 1100m NE; Brockhouse Forgings Premises, West Bromwich - Borehole Machinery And Electronics: Non-Evaporative Cooling Water may be abstracted from a single point Not Supplied Not Supplied Premises At Brockhouse Forgings 1st May 1984 Not Supplied
Operator: Licence Number: Permit Version: Location: Abstraction: Abstraction Type: Daily Rate (m3): Yearly Rate (m3): Details: Permit Start Date: Permit End Date:	Firth Cleveland Steel Strip 03/28/08/0090 101 Locarno Road, Tipton - Borehole Metal: Non-Evaporative Cooling Water may be abstracted from a single point Not Supplied Not Supplied Firth Cleveland Steel Strip - Borehole 18th November 2004 Not Supplied

- 3.12 No springs or wells are identified on the current edition of the 1 in 25,000 scaled OS maps of the area.
- 3.13 There are no consented discharges to groundwater within close proximity of the site.

Surface Waters

- 3.14 There are no surface water features located on the permitted facility or the wider depot site. The nearest surface water feature to the site is the canalised River Tame which flows northwards within 10m of the site's western boundary. The Walsall Canal also traverses north-south c. 100m west of the site.
- 3.15 Water Framework Directive (WFD) surface water status and objectives for 2012 report that the ecological and chemical statuses of the River Tame between its source and the Coseley Catchment were 'moderate' and 'good' respectively.

The objectives for this stretch of the River Tame are to achieve a 'Good' Ecological status by 2027 and a 'High' chemical status by 2015.

- 3.16 There are a total of 51 recorded pollution incidents to controlled waters within 1km of the site. Summary details of incidents within 250m of the site are presented in **Table 3**.

Table 3: Summary of Pollution Incidents to Controlled Waters within 250m of the site

Parameter	Details
Property Type: Location: Pollutant: Note: Incident Date: Receiving Water: Cause of incident: Severity:	Metal Industry ~8m NW; Eagle Crossing, Tipton Other chemicals No adverse effects; Tame, Red Discharge 12/04/1997 Watercourse (Upper Tame To Confluence With Rea catchment) Deliberate disposal to drain Category 3 – Minor Incident
Property Type: Location: Pollutant: Note: Incident Date: Receiving Water: Cause of incident: Severity:	Road (Road Traffic Accident) 57m N; Bagnall Street, Great Bridge, Tipton Oils - Diesel (Including Agricultural) Amenity Affected; Diesel Spillage On Road; Quantity Unknown 28/09/1998 Watercourse (Upper Tame To Confluence With Rea catchment) Accidental Spillage/Leakage Category 3 - Minor Incident
Property Type: Location: Pollutant: Note: Incident Date: Receiving Water: Cause of incident: Severity:	Miscellaneous Premises: Unknown 118m SW; All Saints Road, Monmore Green, Wolverhampton Oils - Petrol Smell Of Gas; No Adverse Effects 25/06/1997 Not Given (Upper Tame To Confluence With Rea catchment) Other Incident/Unknown Category 3 - Minor Incident
Property Type: Location: Pollutant: Note: Incident Date: Receiving Water: Cause of incident: Severity:	Private Sewage (Non-PLC): Surface Water Outfall 206m N; Eagle Lane, Great Bridge Oils - Unknown Canal Arm; Rotten Stench; No Adverse Effect 02/06/1996 Canal Other Incident/Unknown Category 3 - Minor Incident
Property Type: Location: Pollutant: Note: Incident Date: Receiving Water: Cause of incident: Severity:	Industrial: Other 212m N; Down Stream From Newby Foundry, Wednesbury Oils - Diesel (Including Agricultural) Tame; Oil; No Adverse Effects 01/05/1997 Watercourse (Upper Tame To Confluence With Rea catchment) Wrong Connection Category 3 - Minor Incident

- 3.17 There are three authorised surface water abstractions within 2km of the site (excluding duplicates). Summary details are provided in **Table 4**.

Table 4: Summary of licensed surface water abstractions within 2km of the site

Parameter	Details
Operator: Licence Number: Permit Version: Location: Abstraction:	British Waterways Board 03/28/08/0053 100 1,235m SW; Dudley Port Rolling Mills Ltd - Birmingham Canal (1) Production of Energy: Mechanical Non-Electrical: Non-Evaporative Cooling
Abstraction Type: Daily Rate (m3): Yearly Rate (m3): Details: Permit Start Date: Permit End Date:	Water may be abstracted from a single point Not Supplied Not Supplied Dudley Port Rolling Mills Ltd 1st July 1981 Not Supplied
Operator: Licence Number: Permit Version: Location: Abstraction:	British Waterways Board 03/28/08/0053 100 1,284m SW; Dudley Port Rolling Mills Ltd - Birmingham Canal (2) Production of Energy: Mechanical Non Electrical: Non-Evaporative Cooling
Abstraction Type: Daily Rate (m3): Yearly Rate (m3): Details: Permit Start Date: Permit End Date:	Water may be abstracted from a single point Not Supplied Not Supplied Dudley Port Rolling Mills Ltd 1st July 1981 Not Supplied
Operator: Licence Number: Permit Version: Location: Abstraction:	British Waterways Board 03/28/08/0210 101 1,545m S; Birmingham Canal Navigation (B'Ham Level) , Tividale Transport: Dust suppression
Abstraction Type: Daily Rate (m3): Yearly Rate (m3): Details: Permit Start Date: Permit End Date:	Water may be abstracted from a single point Not Supplied Not Supplied The Rattlechain Site And East Of Rose Lane Site 23rd March 2004 Not Supplied

3.18 There are 35 discharge consent records within 1km of the site, of which only 15 are currently active. This includes discharge consents for the permitted site, which is since authorised under the site's Environmental Permit. Details of the potentially active discharge consents within 250m of the site are summarised in **Table 5**.

Table 5: Summary of discharge consents within 250m of the site

Parameter	Details
Operator: Property Type Location: Catchment Area: Ref: Issued Date: Revocation Date Discharge Type Receiving Water: Status:	Biffa Waste Services Limited Domestic Property (Multiple) Onsite Upper Tame Catchment To Confluence With Rea T/08/36423/T 8th February 2007 31st December 2010 (<i>Now consented under EPR2010</i>) Trade Effluent Discharge-Site Drainage River Tame New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)

Parameter	Details
Operator: Property Type Location: Catchment Area: Ref: Issued Date: Revocation Date Discharge Type Receiving Water: Status:	Severn Trent Water Authority Not Given 93m N; Toll End Wrrw, Tame Division Not Given T/08/09160/O/1 30th September 1983 Not Supplied Sewage Effluent Discharge-Storm Effluent River Tame (Oldbury Arm) Not Supplied
Operator: Property Type Location: Catchment Area: Ref: Issued Date: Revocation Date Discharge Type Receiving Water: Status:	Severn Trent Water Limited Undefined Or Other 93m NW; Alexandra Road/ Church Lane Roundabout/Bridge Road, Tipton Upper Tame Catchment To Confluence With Rea T/08/01534/O 31st March 2009 (Effective) Not Supplied Sewage Discharges - Pumping Station - Water Company Tipton Brook New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)
Operator: Property Type Location: Catchment Area: Ref: Issued Date: Revocation Date Discharge Type Receiving Water: Status:	Severn Trent Water Limited Sewerage Network - Pumping Station - Water Company 185m S; Dudley St S/O &, Great Bridge East, Sws Upper Tame Catchment To Confluence With Rea T/08/08407/O 16th March 1981 Not Supplied Sewage Discharges - Pumping Station - Water Company River Tame (Oldbury Arm) Pre National Rivers Authority Legislation where issue date < 01/09/1989
Operator: Property Type Location: Catchment Area: Ref: Issued Date: Revocation Date Discharge Type Receiving Water: Status:	Robinson Brothers Ltd Chemical Manufacture/Storage 187m S; Robinson Brothers Ltd, Phoenix Street, West Bromwich Upper Tame Catchment To Confluence With Rea CT/08/30282/T/1 29th February 1996 Not Supplied Site Drainage River Tame (Oldbury Arm) Not Supplied

- 3.19 The site is located within a flood zone 1 area in which the probability of flooding from rivers and the seas is less than 0.1%.

Regulated Processes & Industrial Land Uses

- 3.20 Details of all previous or existing regulatory activities and waste sites within 500m of the site are summarised in **Table 6** which includes the application site.

Table 6: Summary of regulated activities and waste sites within 500m of the site

Parameter	Details
IPC	
Name: Location: Permit Reference: Effective date: Process Type/Description: Status:	Ervin Amasteel 210m E; George Henry Road, Great Bridge, Tipton, DY4 7BZ Numerous variations 8th November 1995 IPC minor (non-substantial) variation to previous variation 2.1 A (F) Iron and Steel processes within the Metal Industry Revoked - Now IPPC

Parameter	Details
IPPC	
Name:	Tulip Limited
Location:	36m E; Tulip Meats, George Henry Road, TIPTON, DY4 7BZ
Permit Reference:	UP3639FE
Effective date:	28th November 2011
Activity Description:	6.8 A(1) (D) (I) Animal Vegetable & Food; Treating Etc Animal Raw Materials (Not Milk) For Food >75T/D
Status:	Effective
Name:	Ervin Amasteel
Location:	210m E; George Henry Road, Great Bridge, Tipton, DY4 7BZ
Permit Reference:	LP3039BN (previously BJ9908IA)
Effective date:	8 th December 2003
Activity Description:	2.1 A(1) (B) Ferrous Metals; Producing, Melting Or Refining
Status:	Effective
LAPPC (within 250m only)	
Name:	Charter Castings Ltd
Location:	81m NE; Bagnall Street, Great Bridge, Tipton, DY4 7BS
Permit Reference:	PPC91560
Dated:	3rd March 1993
Process Type/Description:	PG2/6 Aluminium and aluminium alloy processes
Status:	Permitted
Historical Landfill Sites	
Licence Holder:	J J Gallagher Limited
Location:	Onsite
Name:	Land At Bagnall Street/Eagle Lane Landfill Site)
Provider Reference:	EAHLD23733
First Input Date:	31st December 1946
Last Input Date:	31st December 1987
Specified Waste Type:	Deposited Waste included Inert and Industrial Waste
WRC Ref:	4600/0086
Other Ref:	SL/90, 644/238, LF/0005
Licence Holder:	Sandwell Metropolitan Borough Council
Location:	Onsite
Name:	Bagnall Street Industrial Estate
Provider Reference:	EAHLD23720
First Input Date:	31st December 1904
Last Input Date:	31st December 1986
Specified Waste Type:	Deposited Waste included Inert and Industrial Waste
WRC Ref:	4600/0209
Other Ref:	644/837, SL/514, LF/0001
Licence Holder:	Black Country Development Corporation
Location:	467m E; Richmond Street, Great Bridge, West Bromwich
Name:	Swan Farm Redevelopment
Provider Reference:	EAHLD23665
First Input Date:	31st December 1993
Last Input Date:	25th April 1994
Specified Waste Type:	Deposited Waste included Inert and Industrial Waste
WRC Ref:	4600/0244
Other Ref:	644/1514, SL/1226, SL/1227, SL/1228, 4600/0245, 4600/0246, LF/0024
Licensed Waste Management Facilities (within 500m)	
Licence Number:	42649
Location:	8m N; Bagnall Street Trading Estate, Chimney Road, Great Bridge, Tipton, this being the site subject to this application
Operator Name:	A Smith & Sons Waste Disposal Ltd
Site Category:	Household, Commercial And Industrial Transfer Stations
Licence Status:	Modified
Issued:	13th November 1996
Licence Number:	102040
Location:	195m NE; Robbins Ind Est, Bagnall Street, Great Bridge, Tipton
Operator Name:	Nilwaste Ltd
Site Category:	WEEE treatment facility
Licence Status:	Issued
Issued:	28th October 2010
Licence Number:	42471
Location:	318m SW; Land / Premises At, Eagle Lane, Great Bridge, Tipton
Operator Name:	Mainline Vehicle Dismantlers Ltd
Site Category:	Metal Recycling Sites (Vehicle Dismantlers)
Licence Status:	Issued
Issued:	10th November 1993

Parameter	Details
Licence Number: Location: Operator Name: Site Category: Licence Status: Issued:	40103 408m NE; 82 Pikehelve Street, Golds Green, West Bromwich Sandra Halloran, Allan Halloran Household, Commercial And Industrial Transfer Stations Issued 30th March 2004
Licence Number: Location: Operator Name: Site Category: Licence Status: Issued:	42321 430m NE; Land / Premises At, Pikehelve Street, Hill Top, West Bromwich, Mr Allan Halloran & Sandra Halloran Metal Recycling Sites (Mixed) Modified 15th January 1993
Licence Number: Location: Operator Name: Site Category: Licence Status: Issued:	42602 447m NE; Keltcrest, Pikehelve Street, West Bromwich Cartwright Mr H T Metal Recycling Sites (Mixed) Issued 26th June 1995
Licence Number: Location: Operator Name: Site Category: Licence Status: Issued:	42316 500m W; Unit 1, Harrold Street, Great Bridge, Tipton Ramsden & Whale Ltd Material Recycling Treatment Facilities Modified 15th January 1993
Registered Waste Transfer, Treatment or Disposal Sites (within 500m)	
Licence Holder: Licence Reference: Site Location: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Authorised Waste: Prohibited Waste:	J J Gallagher Ltd SL 90 129m S; Bagnall Street, Great Bridge, West Bromwich, Landfill Very Large (Equal to or greater than 250,000 tonnes per year) No known restriction on source of waste Licence lapsed/cancelled/defunct/not applicable/surrendered/ Cancelled 1st January 1978 Constr'N/Demol. Inert/Non-Haz/Non-Tox; Excavated Natural Materials; Hardcore And Rubble; Ind. Inert Waste. Empty Used Drums
Licence Holder: Licence Reference: Site Location: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Authorised Waste: Prohibited Waste:	Sandwell M.B.C. SL 514 (563 ?) 179m S; Bagnall Street / Brickhouse Lane(2), Great Bridge, West Bromwich Landfill Very Large (Equal to or greater than 250,000 tonnes per year) No known restriction on source of waste Licence lapsed/cancelled/defunct/not applicable/surrendered/ Cancelled 1st February 1986 Excavated Material; Foundry Sand; Hardcore; Soil/Subsoil; Poisonous, Noxious & Polluting Waste; Special Waste
Licence Holder: Licence Reference: Site Location: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Authorised Waste: Prohibited Waste:	A Smith & Sons (Waste Disposal) SL 2024 MOD 1 (As 42649, above – duplicate entry) Onsite Transfer Very Large (Equal to or greater than 250,000 tonnes per year) No known restriction on source of waste Operational as far as is known 13th November 1996 Max.Storage In Licence Non-Haz. H'Hold/Com./Ind.Waste Liquid Wastes; Sludge Wastes; Waste N.O.S
Licence Holder: Licence Reference: Site Location: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Authorised Waste:	Waste Lubricating Oils SL 89 463m NE; Harvills Hawthorn, West Bromwich Transfer Very Small (Less than 10,000 tonnes per year) No known restriction on source of waste Licence lapsed/cancelled/defunct/not applicable/surrendered/ Cancelled 1st February 1978 Oil/Water Mixtures

Parameter	Details
Licence Holder: Licence Reference: Site Location: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Authorised Waste: Prohibited Waste:	A Smith & Sons SL 40 MOD 2 (Earlier licence on application site) 106m E; Bagnall Street Industrial Estate, Great Bridge, West Bromwich Baling - Compaction Undefined No known restriction on source of waste Licence lapsed/cancelled/defunct/not applicable/surrendered/ Cancelled 1st June 1977 Com. + Ind. Waste; Inert Waste Hazardous Wastes; Household Waste
Licence Holder: Licence Reference: Site Location: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Authorised Waste: Prohibited Waste:	Mainline Vehicle Dismantlers Ltd SL 1321 MOD 1 266m W; Eagle Lane, Great Bridge, West Bromwich Scrapyard Undefined No known restriction on source of waste Operational as far as is known 1st November 1993 Scrap Vehicles Liquids/Sludges; Waste N.O.S.
Licence Holder: Licence Reference: Site Location: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Authorised Waste: Prohibited Waste:	J & S Simcox Ltd SL 1079 376m NE; Pikehelve Street, West Bromwich Recycling Drums Very Small (Less than 10,000 tonnes per year) No known restriction on source of waste Licence lapsed/cancelled/defunct/not applicable/surrendered/ Cancelled 1st July 1993 Drums Up To 205 Litre Capacity; Max.Storage In Licence; Max. Waste Permitted By Licence Waste N.O.S.
Licence Holder: Licence Reference: Site Location: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Authorised Waste: Prohibited Waste:	A & S Halloran t/a Goldshill Metals SL 1116 MOD 1 460m NE; Pikehelve Street, Hill Top, West Bromwich Scrapyard Very Small (Less than 10,000 tonnes per year) No known restriction on source of waste Operational as far as is known 15th January 1993 Electric Cable/Wiring; Ferrous/Non-Ferrous Metal; Maximum Storage In Licence; Maximum Waste Permitted By Licence Degradable Household/Commercial/Industrial Waste (As In Post'98 E.A.Lics; And Equivalent To 22.09.00); Inert Materials (As In Post'98 E.A.Lics And Equivalent To 21.00.00); Liquid/Sludge/ Wet Wastes; Powders; Special Waste (As In Epa 1990:S62 Of 1996 Regs); Waste Containing/Contaminated With Oil / Swarf; Waste N.O.S
Licence Holder: Licence Reference: Site Location: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Authorised Waste: Prohibited Waste:	H T Cartwright t/a Cartwrights SL 1419 MOD 1 463m NE; Keltcrest, Pikehelve Street, West Bromwich Scrapyard Very Small (Less than 10,000 tonnes per year) No known restriction on source of waste Operational as far as is known 26th June 1995 Electrical Cable; Electrical Equipment; Machinery; Max.Waste Permitted By Licence; Scrap Metal & Swarf Any Metal In Fine Powder Form; Elemental Sodium/Potassium; Liq/Sludge Except Oil Contam.Swarf; Waste N.O.S.
Licence Holder: Licence Reference: Site Location: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Authorised Waste: Prohibited Waste:	Keltcrest Holdings Ltd SL 752 466m NE; Keltcrest Ltd, Pikehelve Street, West Bromwich Scrapyard Undefined No known restriction on source of waste Licence lapsed/cancelled/defunct/not applicable/surrendered/ Cancelled 1st July 1991 Electrical Cable; Scrap Metal & Swarf; Vehicle Batteries Any Metal In Fine Powder Form; Elemental Sodium or Potassium; Liq/Sludge Other Than Acid In Batt's; Oily Waste; Waste N.O.S.

- 3.20.1 The Envirocheck report also lists 24 BGS Recorded Mineral Sites within 1km for the site all of which are no longer operational. None are located on site although four are located within 100m.
- 3.20.2 There are also 102 contemporary trade directory entries within 1km of the site, of which 5 are located within 100m of the site. Details of those listings within 100m of the site are summarised in **Table 7**.

Table 7: Summary of trade directory entries within 100m of the site

Parameter	Details
Name: Location: Classification: Status:	Glanbia Fresh Meats (Uk) Ltd George Henry Road, Tipton, West Midlands, DY4 7BZ Meat - Wholesale Inactive
Name: Location: Classification: Status:	Tulip Ltd George Henry Road, Tipton, West Midlands, DY4 7BZ Meat - Wholesale Active
Name: Location: Classification: Status:	Aquila Truck Centres Chimney Road, Tipton, West Midlands, DY4 7BY Commercial Vehicle Dealers Active
Name: Location: Classification: Status:	Aquila Truck Centres Chimney Road, Tipton, West Midlands, DY4 7BY Commercial Vehicle Dealers Active
Name: Location: Classification: Status:	Boden Clark George Henry Road, Tipton, West Midlands, DY4 7BZ Furnaces Inactive

Baseline Soil Conditions

- 3.21 No investigations are known to have been carried out at the site as of August 2013. The Envirocheck report presented in **Appendix 1** presents BGS Estimated Soil Chemistry data, based on rural soils, for a limited number of elements which could cause significant harm to human health. The concentration ranges within 1km of the site presented in the report are summarised in **Table 8**.

Table 8: Summary of BGS Estimated Site Soil Chemistry data within 1km of the site

Chemical Element	Concentration Range (mg/kg)
Arsenic	<15
Cadmium	<1.8
Chromium	20-90
Lead	<150
Nickel	15 - 45

- 3.22 The site's history lends itself to landfilling with inert and industrial wastes since 1904. Consequently, it is possible that baseline chemistry of the underlying the soil has been altered.

4.0 PERMITTED ACTIVITIES (AUGUST 2013)

- 4.1 Th August 2013 Site Condition Report supported an application to vary the Environmental Permit that authorised the operation of a waste transfer station with treatment at the site. The variation sought to add a regulated facility (RDF Operation) to the existing Permit. The current Permit was issued as a Waste Management Licence on 13th November 1996 to A Smith & Sons (Waste Disposal) Limited, now part of the Biffa group of companies.

- 4.2 The site has operated as a non-hazardous commercial and industrial waste transfer station. Before August 2013 the permit authorised the facility to process up to 1,500 tonnes per day with an estimated annual throughput as a result of the variation being in the region of 100,000 tonnes per annum, well within the 500,000 tonnes per annum permitted at the time.
- 4.3 Waste delivered to the site was either bulked up in the waste transfer building and transported from the site for disposal elsewhere or passed through an elevated waste sorting line where operatives hand pick recyclable materials such as paper, card, plastic, wood and metal.
- 4.4 The 2013 variation added new plant and machinery for the conversion of waste into Refuse Derived Fuel (RDF). As a consequence, the materials recycling plant was upgraded. This RDF plant applied for as a separate installation activity under Section 5.4 Part A(1)(a)(iii) Schedule 1 Part 2 of the amended EP Regulations, although subsequent clarity of the scope of RDF production under the IED resulted in the activity being redesignated as a waste operation only. Previous operational layout plans identified for the site are included in **Appendix 3**.

Non-Permitted Activities

- 4.5 The waste operations were supported by office, welfare and car parking which are located outside the area where waste operations will be undertaken. These operations were located within the Environmental Permit boundary.

Polluting Substances

- 4.6 A number of raw materials, waste and by-products were produced and stored onsite during the storage and handling of waste materials. These are summarised on the inventory of materials included in **Table 9**. An assessment of their pollution potential has been made based upon their properties, toxicity, and volume stored, used or manufactured.

Table 9: Risk assessment of potentially polluting substances

Substance	Chemical composition	Quantity	Environmental behaviour and fate	Potential Environmental Impact	Storage arrangements	Assessment of Alternatives
Non-hazardous commercial and industrial wastes	Various	Up to 100ktpa	Formation of leachates and odours. Generation of litter.	Contamination of land and waters Nuisance from odour Visual impact and physical hazards of litter	All waste to be stored and treated in designated storage bays or buildings consisting of impermeable pavement with sealed drainage systems as appropriate. Wastes deliveries to be undertaken in enclosed or sheeted vehicles. Storage heights to be less than height of bay walls.	None – waste material forms primary purpose of facility.
Detergent	Synthetic chemical compounds	Not known – likely to be <1000 litres / yr	Toxic to aquatic environment	Eutrophication of aquatic environment Toxic to aquatic life	All containers to be stored in designated areas with impermeable surfacing and drip/spills trays. All areas where detergents to be utilised to be serviced by a sealed foul drainage system	Use of less persistent/biodegradable detergents where appropriate
Grease/oil/fuels	Hydrocarbons with trace additives	Not known – likely to be <1000 litres / yr	Insoluble and floats on water. Low biodegradation in soil. Fate is ultimately 100% to air – low volatility	Contamination of land and controlled waters and health risk to end users (i.e. humans, wildlife)	All plant and equipment to be maintained to the manufacturer's recommendation. All containers to be stored in designated areas with impermeable surfacing and drip/spills trays. Spill kits to be located in strategic locations across the facility.	Essential for operation of various plant and equipment at the facility. No readily available alternatives with equivalent properties exist.

5.0 SUMMARY STATEMENT OF THE SITE CONDITION (AUGUST 2013)

- 5.1 The site has a long and varied development history including a brickworks during the 19th century followed by a long period of landfilling from 1904, to its current development as part of a wider industrial complex, which itself has a varied industrial development heritage. The development history of the site is likely to have altered the baseline chemistry of the underlying soils and the presence of substantial amounts of made-ground.
- 5.2 Nonetheless, since the commencement of waste transfer operations at the site under the existing site Permit all waste storage and treatment areas have consisted of engineered containment in the form of impermeable concrete pavement with sealed drainage, as appropriate. For the duration of the permit all engineered containment systems will be maintained to a satisfactory state to prevent pollution of land. Appropriate records of all inspections failures and maintenance carried will be maintained by the operator for the life of the permit.
- 5.3 Records of all environmental incidents on- and off-site which are likely to have an impact on the land will also be maintained for the duration of the waste operations, with appropriate investigations implemented to determine the extent of any potential pollution that may have occurred from any such incidents.
- 5.4 In light of the proposed management systems implemented to date and to be implemented at the site, it is considered unlikely that the permitted activities will present a significant risk of adding to any potential existing contamination beneath the site. The collection of reference data is not therefore considered necessary at this stage as this will only potentially detect contamination that is unrelated to the regulated activity.

6.0 CHANGES TO THE PERMITTED ACTIVITIES

Changes to the Activity Boundary.

- 6.1 There are no proposed changes to the permit boundary associated with the proposed change to a Secure Waste and Recycling Facility (SWaRF).

Proposed Changes to the Activity

- 6.2 Sirius Environmental Limited (Sirius) has been commissioned by Biffa Waste Services Limited (Biffa) to prepare a Bespoke Environmental Permit Application (EPA) for a Secure Waste and Recycling Facility (SWaRF) at their proposed site located at Chimney Rd, Tipton, West Midlands, DY4 7BY.
- 6.3 Biffa previously operated a non-hazardous Waste Transfer Station and Materials Recycling Facility at Chimney Road, Tipton, West Midlands, DY4 7BY under Environmental Permit number EPR/FB3809KS. This is now decommissioned. The activities at the regulated facility consisted of a Waste Transfer Station (WTS) which undertook the separation of recyclable material from dry mixed recyclables and mixed waste, with the shredding of waste for disposal only and the processing of the non-recyclable residual materials to produce refuse derived fuel (RDF). Low grade (non-recyclate rich) wastes, that were delivered directly to the facility, were also processed to produce RDF. In addition to this, pre-sorted recyclable wastes were accepted and stored at the site without further processing.
- 6.4 The Tipton facility will be redeveloped into a SWaRF. This will principally be used for the destruction of counterfeit, 'grey market' or confiscated goods, in addition to returned online orders to prevent them reaching the market. Whilst wastes will be treated onsite, this is for the purposes of an 'initial destruction' with almost all subsequent wastes going on for further processing and recovery.
- 6.5 Whilst wastes are treated onsite, the operator's main intention is to destroy products to prevent them from reaching the market and consumers. Processed fractions will be transferred offsite to other suitable facilities for advanced processing and recovery (e.g. 'black matter' leftover from Lithium-Ion cells).
- 6.6 The current permit (EPR/FB3809KS) only includes for the acceptance of non-hazardous waste streams at the site. Activities at Tipton SWaRF will include the treatment via manual sorting/de-packaging, shredding, milling, bulking, compacting, chemical treatment, blending, compaction and baling of a range of non-hazardous and hazardous wastes.
- 6.7 The hazardous waste stream being added to the permit include:-
- Cosmetics (e.g. Perfume and aftershave)
 - Alcohol
 - Tobacco
 - WEEE & Vapes (including batteries)
 - Nitrous oxide cannisters
- 6.8 The operational layout will be revised to accommodate the revised activities, including the renovation of the existing main processing building and the construction of a new alcohol and cosmetic processing hall/building. The new operational layout is illustrated in **Drawing No. BF5094/12/02**.
- 6.9 The main processing building will be split into various sections to accommodate the treatment process lines, with an area dedicated to palletised storage of

incoming waste streams, and containers for processed waste outputs. There will be no structural separation between the various processing lines.

- 6.10 A newly constructed building on the east of the site will be used for the storage and treatment of hazardous and non-hazardous liquids. This includes an external bunded tank farm for processed liquids, with processed outputs also being stored externally within skips, containers or stand trailers.
- 6.11 All operations will continue be carried out on impermeable surfaces, with some existing areas upgraded to facilitate new building footprint and revised surface water drainage network improvements.

Additional Polluting Substances

- 6.12 Due to the proposed change in the permitted activities at the site, a number of additional potentially polluting substances which were not identified in the Application Site Condition Report (replicated in Sections 1- 4 of this report) will be accepted, stored or produced at the site. A complete list of all potentially polluting substances is included within **Table 10** below. This list conforms with Stage 1 assessment requirements under the guidance concerning baseline reports under Article 22(2) of the Directive 2010/75/EU on industrial emissions.

Table 10: Inventory of Additional Polluting Substances Handled at the Site

Material/Substance	Composition	Hazardous Substance
Waste Alcohols	Water, ethanol, with various unknown trace additives. Potential for methanol to be present also.	Yes
Waste cosmetics	Variable concentrations of VOCs and SVOCs.	Yes
Tobacco/Cigarettes	Dried organic leafy tissue of unknown origin with potentially elevated concentration of metals and other additives	Yes
Vapes	Liquid nicotine and various metals	Yes
WEEE	Various Metals, POPs	Yes
Nitrous Oxide	Pressurised nitrous oxide gas	Yes
Recovered battery cathodes and anodes	Various metals and metal salts.	Yes
Spent carbon filter	Enriched in nicotine and metal electrode evaporites (e.g. lithium hexafluorophosphate salt (LiPF ₆) dissolved in organic solvents)	Yes

- 6.13 Redevelopment of the site into a SWaRF will not require the continued storage of fuels at the site. Whilst they are listed in **Table 9** they are not taken forward for consideration under the baseline reporting assessment requirements.

Relevant Hazardous Substances

- 6.14 A review of the relevant hazardous substances and the associated risk to the baseline condition of soil and water at the site is presented in **Table 11**. This assessment conforms with Stages 2 and 3 assessment requirements under the guidance concerning baseline reports under Article 22(2) of the Directive 2010/75/EU on industrial emissions.

Table 11: Hazardous Substance Risk Assessment Matrix

Substance	Physical State, Composition and Quantity	Storage Arrangements and Mitigation	Relevant Hazardous Substance	Contamination Potential
Waste Alcohols	Liquid: Water, ethanol, with various unknown trace organic additives.	Pre-treatment: palleted in glass packaging and stored over impermeable concrete pavement with a	Y	Loss of integrity of concrete pavement or drainage network can lead to pathways for liquids to seep into underlying soils and

Substance	Physical State, Composition and Quantity	Storage Arrangements and Mitigation	Relevant Hazardous Substance	Contamination Potential
	Potential for methanol to be present also.	sealed drainage network and sump. <u>Post-Treatment:</u> 30m ³ steel tank located in an engineered concrete bund		through unsaturated zone to water if they leak or spill in significant quantity. Ethanol/methanol content unlikely to pose a risk to soil or groundwater due to rapid breakdown into CO ₂ and water. Potential for unknown organic pollutant to enter soil and water
Waste cosmetics	Liquid: Variable concentrations of VOCs and SVOCs.	<u>Pre-treatment:</u> palletted in glass packaging and stored over impermeable concrete pavement with a sealed drainage network and sump. <u>Post-Treatment:</u> 30m ³ steel tank located in an engineered concrete bund	Y	Loss of integrity of concrete pavement or drainage network can lead to pathways for liquids to seep into underlying soils and through unsaturated zone to groundwater if they leak or spill in significant quantity. Potential for a range of VOC and SVOCs to enter soil and water.
Tobacco/ Cigarettes	Solid: Dried organic leafy tissue of unknown origin with potentially elevated concentration of metals, nitrosamines (TSNA), pesticides/herbicides, and other unknown additives	<u>Pre-treatment:</u> palletted in paper/card or plastic packaging and stored over impermeable concrete pavement with a sealed drainage network and sump. <u>Post-Treatment:</u> stored in enclosed container/skip stored on impermeable pavement	Y	There would need containment failure leading to long-term buildup and degradation of product over areas with a loss in integrity in the impermeable pavement or drainage network.
Vapes	Liquid nicotine (C ₁₀ H ₁₄ N ₂) and various metals (Cd, Pb)	<u>Pre-treatment:</u> palletted in paper/card or plastic packaging and stored over impermeable concrete pavement.	Y	There would need containment failure leading to long-term buildup and degradation of product over areas with a loss in integrity in the impermeable pavement or drainage network.
WEEE	Various Metals, POPs, CFCs	<u>Pre-treatment:</u> palletted in paper/card or plastic packaging and stored over impermeable concrete pavement. <u>Post-Treatment:</u> manually sorted WEEE stored in containers over impermeable concrete pavement with a sealed drainage network and sump. POP containing WEEE will not be physically treated at the facility	Y	None. Storage durations are not very short and will not result in the release of POPs through degradation in materials that would result in the release of POPs or metals. CFCs will evaporate at atmospheric pressure

Substance	Physical State, Composition and Quantity	Storage Arrangements and Mitigation	Relevant Hazardous Substance	Contamination Potential
Nitrous Oxide	Pressurised nitrous oxide gas	Pre-treatment: palleted in paper/card or plastic packaging and stored over impermeable concrete pavement with a sealed drainage network and sump. Post-Treatment: degraded into inert products (N ₂ and O ₂)	N	None. Gas will vaporise at atmospheric pressure.
Recovered battery cathodes and anodes	Solid/powder/granulated form: various metal and metal salts (e.g. Li, Cd, Ni, Pb).	Sealed containers over impermeable pavement.	Y	Loss of integrity of concrete pavement or drainage network can lead to pathways for metals to dissolve in water and seep into underlying soils and through unsaturated zone to groundwater if they leak or spill in significant quantity.
Spent carbon filter media	Solid form with adsorbed contaminants: nicotine (C ₁₀ H ₁₄ N ₂) and metal electrode evaporites (e.g. lithium hexafluorophosphate salt (LiPF ₆) dissolved in organic solvents) adsorbed into filtration media	Sealed containers over impermeable pavement.	Y	Loss of integrity of concrete pavement or drainage network can lead to pathways for metals to dissolve in water and seep into underlying soils and through unsaturated zone to groundwater if they spilled in significant quantity.

7.0 MEASURES TAKEN TO PROTECT LAND

- 7.1 The operational layout of the former waste transfer and recycling activities restricted external activities to the storage of baled recyclates, with mixed and residual waste streams handled and processes within the main processing building, and a material sorting line located in a connected building unit to the north of the main processing hall. External waste operations were restricted to the storage of loose and baled recyclates and RDF in the eastern yard.
- 7.2 All internal and external areas are wholly engineered with impermeable concrete pavement. External yard areas are also serviced by several different drainage networks including:-
- the service apron to the east of the main processing building drains to combined sewer;
 - all roof waters and yard areas to the north and south of the main processing building drain to surface water (canalised section of the River Tame).
 - The eastern storage area for sorted recyclates drainage to a sealed sump
- 7.3 A survey of the drainage networks in 2025 has identified defective sub-surface connections points for several roof water downpipes, whilst deposits and obstacles were noted in the surface water discharge networks that required further investigation (refer to **Appendix 7**).

7.4 Inspection of the integrity of impermeable pavement within the main treatment building in 2025 indicates that it remains of sound integrity. Externally, cracking is evident across service apron immediately surrounding the eastern and southern facades for the main processing building. The condition of the concrete pavement within the former recyclates and RDF storage area shows little surface cracking. Photographs showing the condition of the site surfacing in July 2025 is presented in **Appendix 4**.

7.5 As part of the redevelopment of the site into a SWaRF, the damaged section of impermeable pavement will be replaced with new engineered concrete surfacing, with drainage infrastructure improvements also to be implemented. Details of the proposed improvements are presented in **Appendix 7**.

8.0 POLLUTION INCIDENTS THAT MAY HAVE HAD AN IMPACT ON LAND, AND THEIR REMEDIATION

8.1 There are no operational records relating to pollution incidents that may have impacted on land since the SCR was originally prepared for the site in August 2013.

9.0 BASELINE/REFERENCE DATA

9.1 Baseline conditions for the site ahead of the commencement of hazardous waste treatment, transfer and storage activities at the site have been established through intrusive investigation of the underlying soils and groundwater. A copy of the ground investigation report is included in **Appendix 5**.

9.2 A ground investigation was undertaken on August 18th 2025, which included a number of exploratory holes and the installation of 3No. gas and groundwater monitoring boreholes. These are listed in Table 12.

Table 12: Ground investigation exploratory hole and borehole summary

Investigation Type	Quantity	Designations	Depth
Windowless Sample Borehole	6	WS 1-6	Up to 5mbgl
Cable Percussion Borehole	2	BH 1-2	Up to 11.9mbgl
Monitoring Wells	3	WS1, WS4 & BH2	Up to 8mbgl

9.3 The ground investigation was undertaken in accordance with British Standard BS5930:2015+A1:2020 "Code of practice for ground investigations", British Standard BS10175:2011+A2:2017 "Investigation of potentially contaminated sites - code of practice".

Ground Conditions Encountered

9.4 The ground conditions onsite were consistent with those anticipated prior to the ground investigation. This comprised of made ground at up to 1.00-8.20mbgl, with the Etruria formation strata below at up to 11.5-11.90mbgl. Groundwater was encountered at 5.70-7.50mbgl.

Soil Chemistry

9.5 A number of laboratory test suites were run to quantitatively analyse the ground conditions. This includes metals, metalloids, other inorganic species, TPH, phenols, SVOCs and VOCs (including Tentatively Identified Compound (TICs), and asbestos. Reference soil conditions are presented in **Appendix 6**.

Groundwater Chemistry

- 9.6 A number of laboratory test suites were run to quantitatively analyse the ground water conditions at BH2. This included metals, metalloids, other inorganic species, TPH, phenols, SVOCs and VOCs (including Tentatively Identified Compound (TICs)). Reference groundwater conditions are presented in **Appendix 6**.

Soil Gas

- 9.7 Three return monitoring visits were undertaken between 26 August 2025 and 17 September 2025, to monitor boreholes installed at the site for soil gas concentrations and groundwater levels.
- 9.8 Methane was reported to a maximum concentration of 11.4%. The concentrations of carbon dioxide ranged from <0.1 to 14.5% v/v. The maximum concentration of volatile organic compounds measured was 2.0ppm. The maximum gas flow rate recorded was 0.5l/hr.

10.0 SOIL, GAS AND WATER QUALITY MONITORING (WHERE UNDERTAKEN)

- 10.1 Routine monitoring has not been carried out at the site to date. Reference conditions for soil and groundwater have been established at the site ahead of the commencement of hazardous waste treatment activities at the site. These are presented in **Appendix 6**.



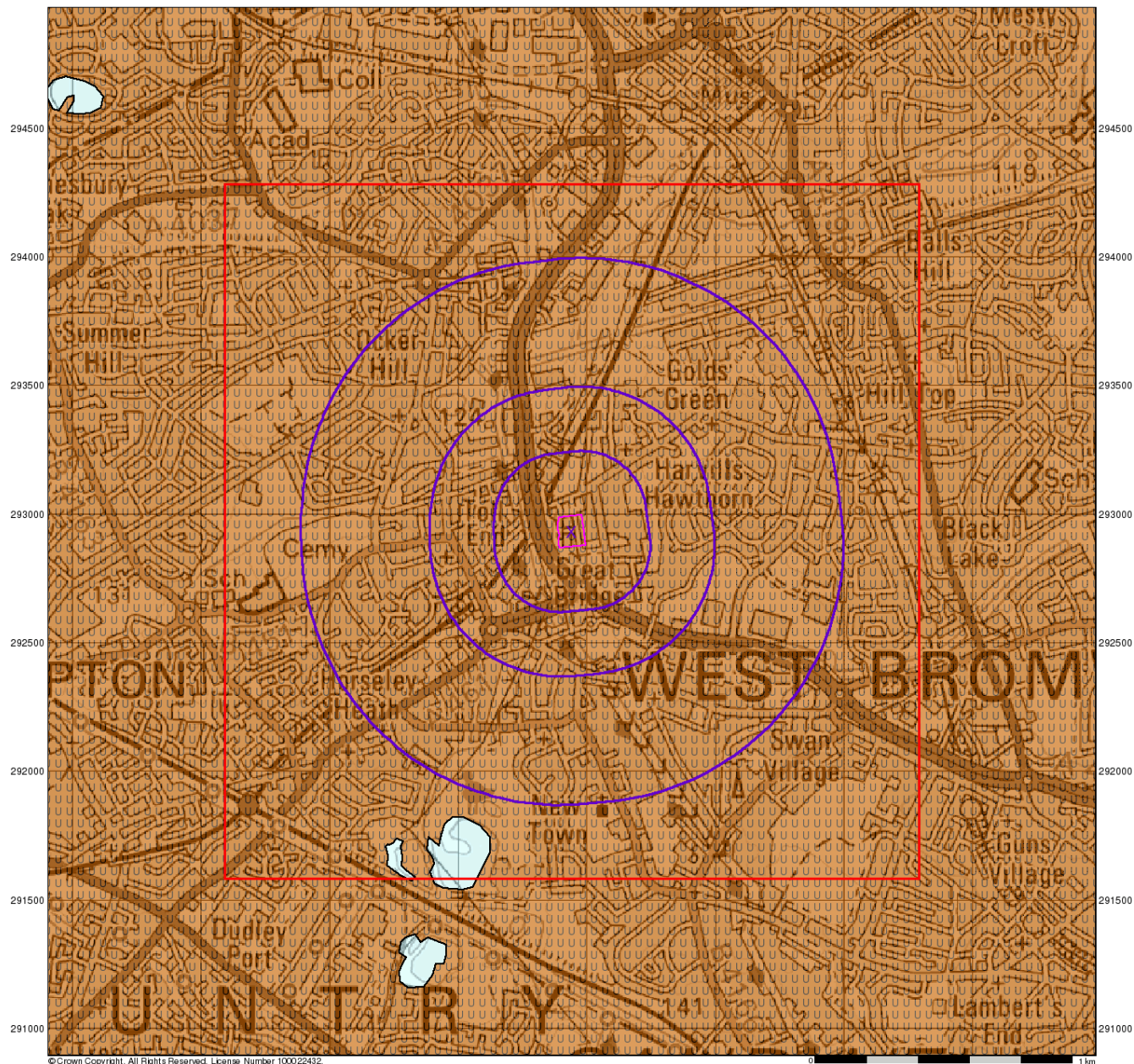
APPENDICES



APPENDIX 1

Envirocheck Report

396000 396500 397000 397500 398000 398500 399000 399500



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0

1 km



Groundwater Vulnerability

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

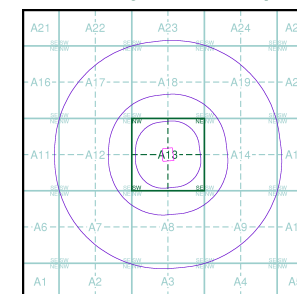
Agency and Hydrological

Geological Classes

Major Aquifer (Highly Permeable)		High (H) 1, 2, 3, U
		Intermediate (I) 1, 2
		Low
Minor Aquifer (Variably Permeable)		High (H) 1, 2, 3, U
		Intermediate (I) 1, 2
		Low
Non Aquifer (Negligibly Permeable)		
Water or Sea		
Drift Deposit		

Soil Classes

Site Sensitivity Context Map - Slice A



Order Details

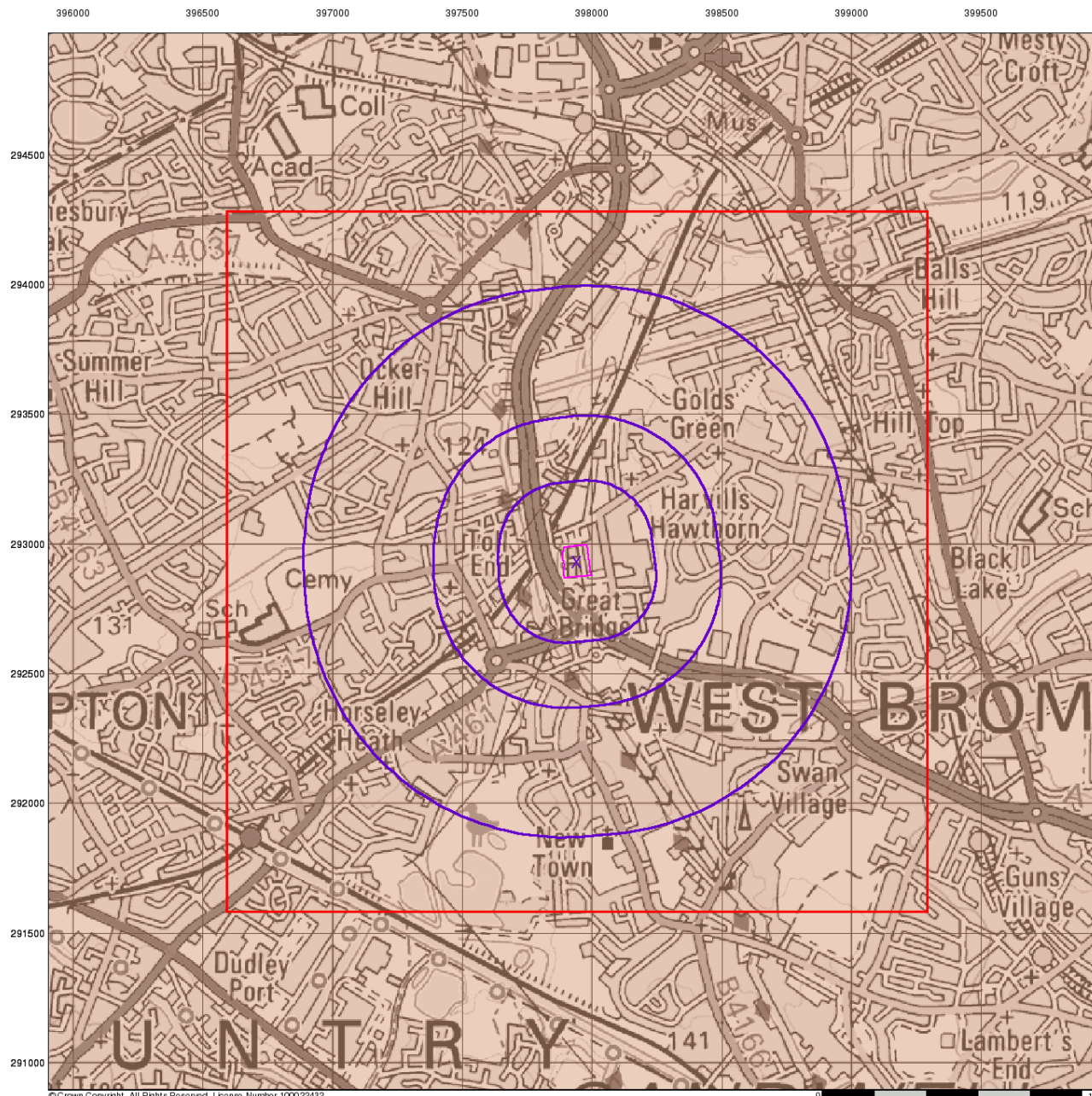
Order Number: 48671021_1_1
 Customer Ref: BF4851/STRATUS/DT
 National Grid Reference: 397940, 292930
 Slice: A
 Site Area (Ha): 1.17
 Search Buffer (m): 1000

Site Details

TIPTON WASTE TRANSFER STATION, BAGNELL STREET
 INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West Midlands, DY4 7BS



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



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Bedrock Aquifer Designation

General

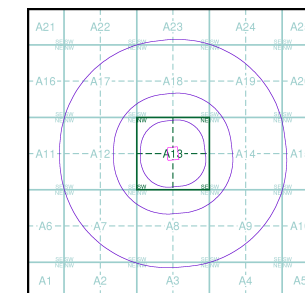
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

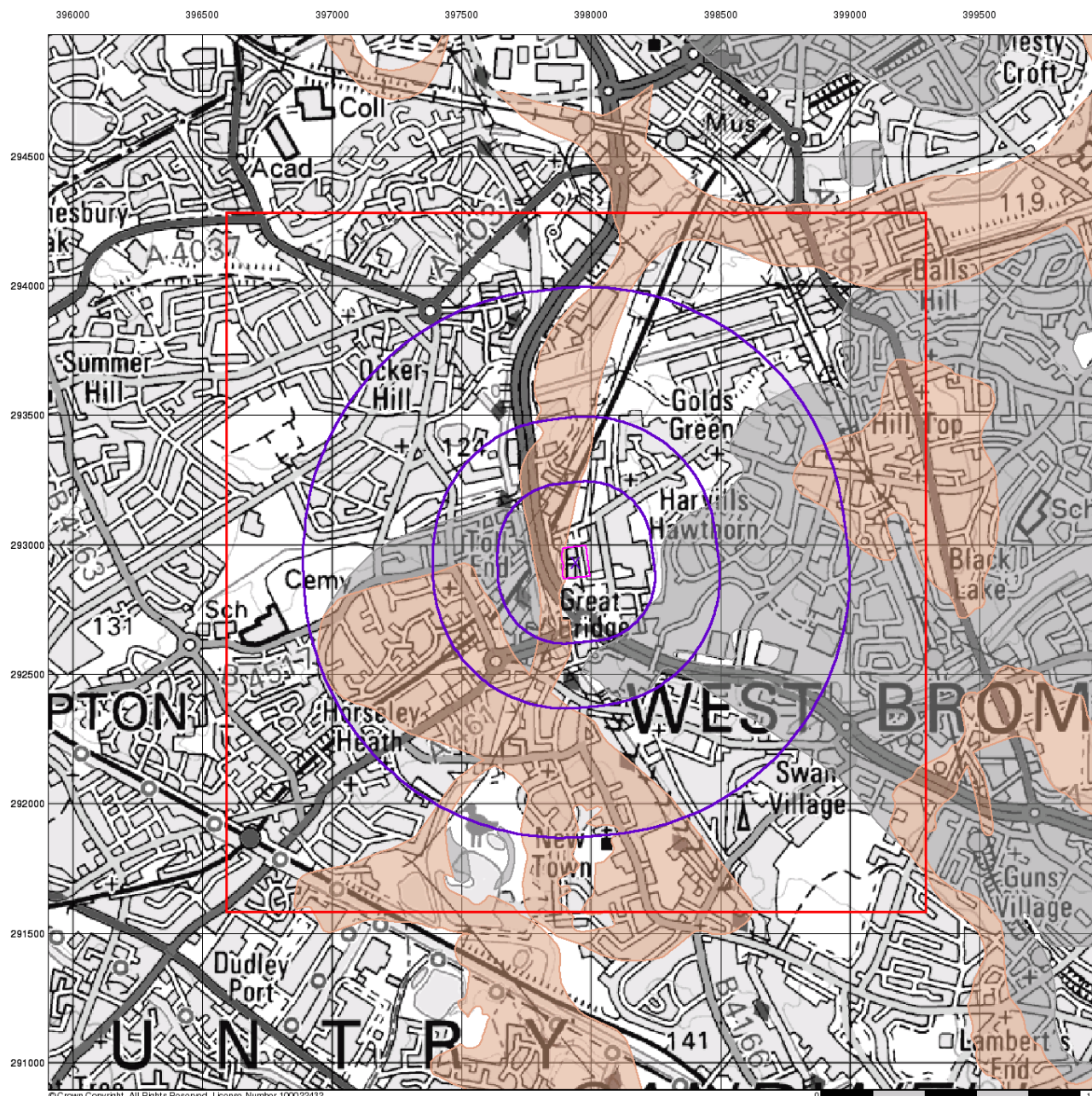
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 National Grid Reference: 397940, 292930
 Slice: A
 Site Area (Ha): 1.17
 Search Buffer (m): 1000

Site Details

TIPTON WASTE TRANSFER STATION, BAGNELL STREET
 INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West Midlands, DY4 7BS



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



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Superficial Aquifer Designation

General

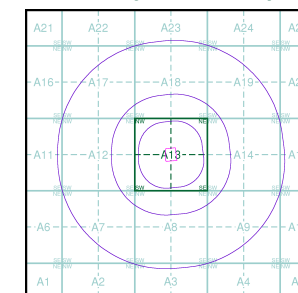
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

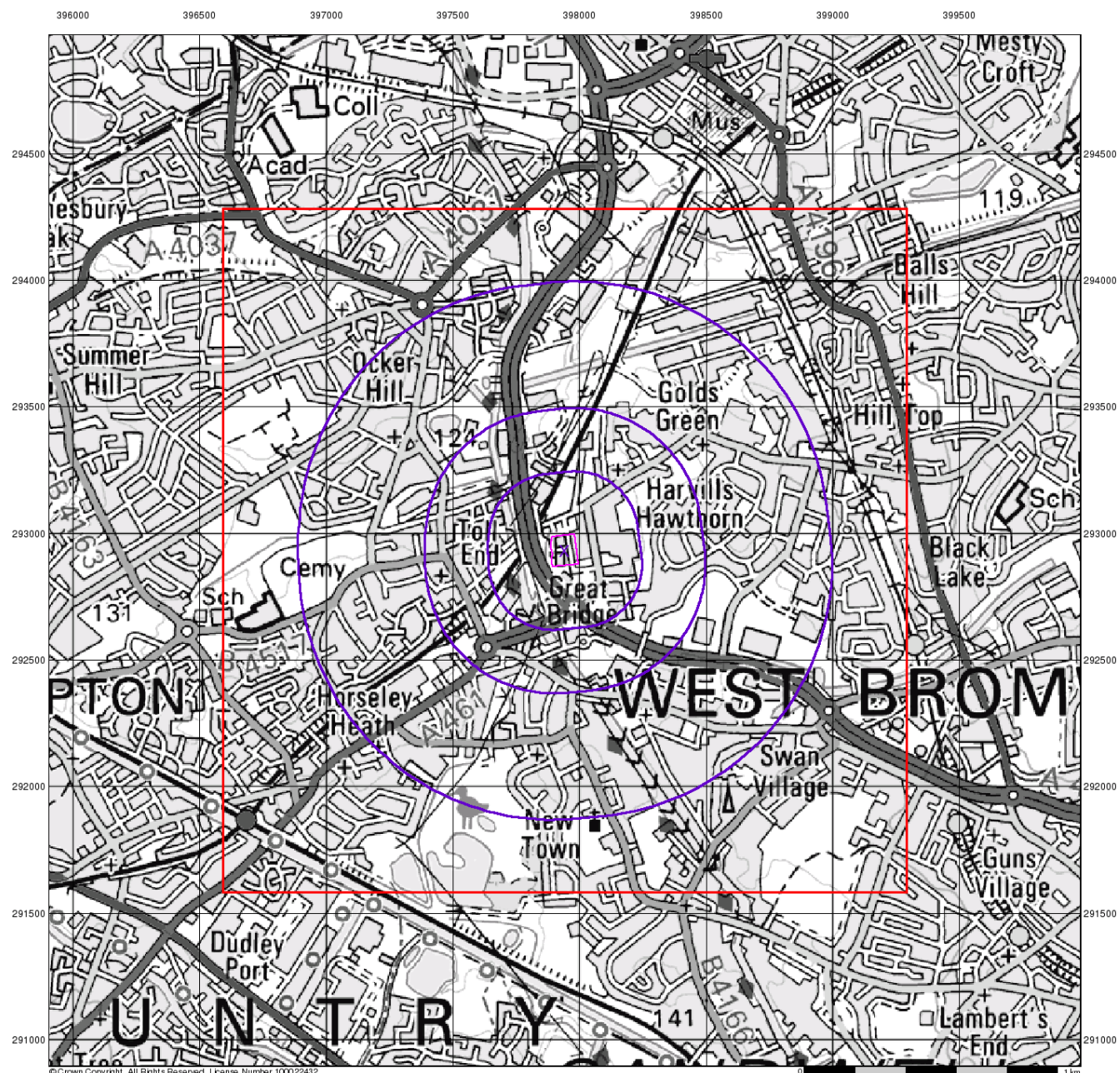
Order Number: 48671021_1_1
 Customer Ref: BF4851/STRATUS/DT
 National Grid Reference: 397940, 292930
 Slice: A
 Site Area (Ha): 1.17
 Search Buffer (m): 1000

Site Details

TIPTON WASTE TRANSFER STATION, BAGNELL STREET
 INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West Midlands, DY4 7BS



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



Source Protection Zones

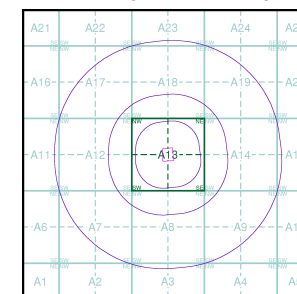
General

-  Specified Site
  Specified Buffer(s)
  Bearing Reference Point
 Slice
 Map ID

Agency and Hydrological

-  Source Protection Zone I
-  Source Protection Zone II
-  Source Protection Zone III
-  Zone of Special Interest
-  Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

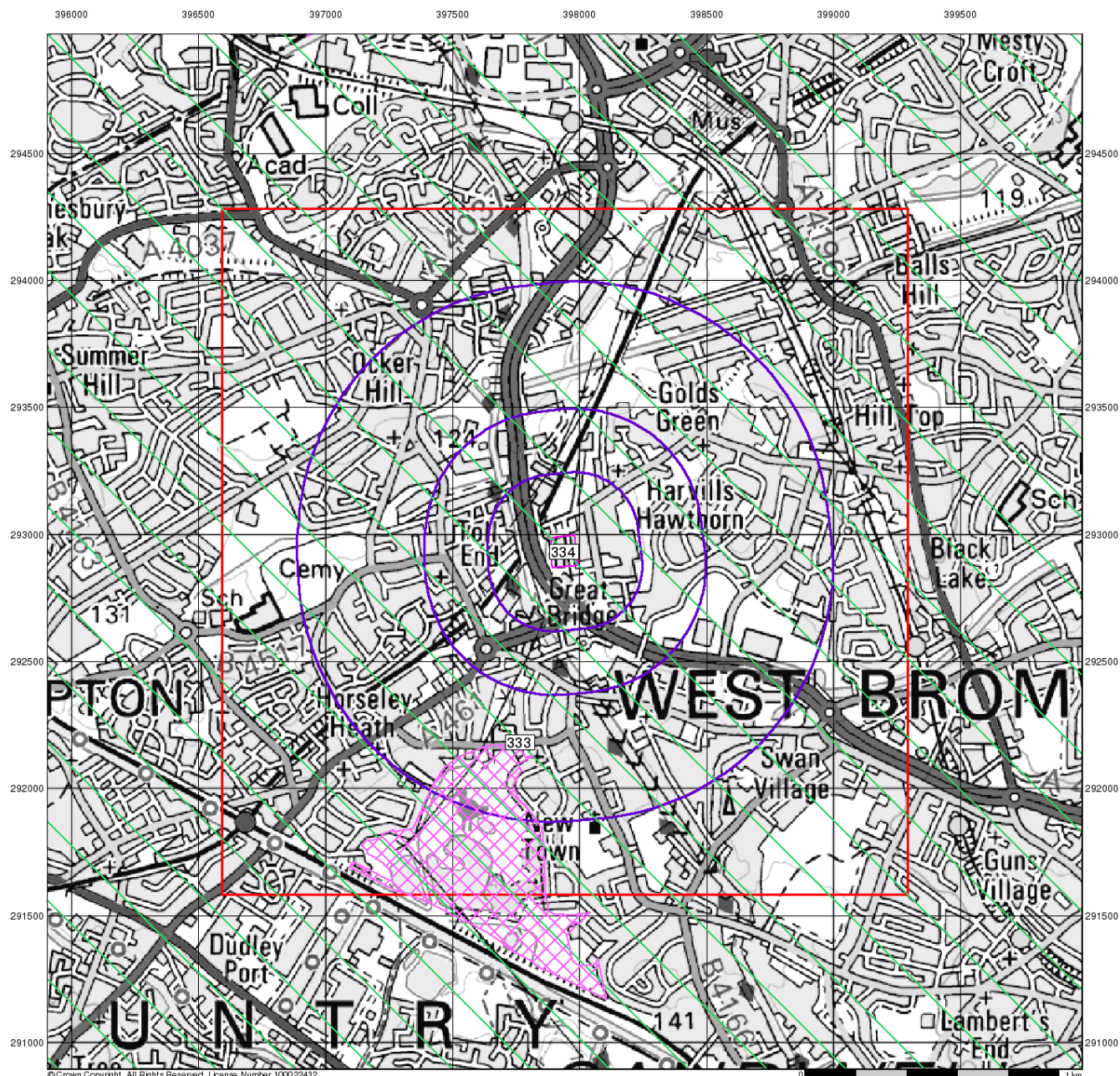
Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
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Site Details

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INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West Midlands, DY4
7BS



Tel: 0844 844 9952
Fax: 0844 844 9951
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Sensitive Land Uses

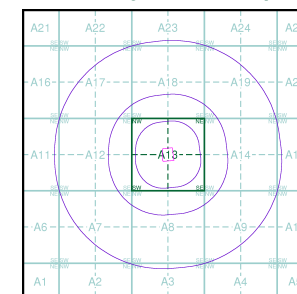
General

- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Ⓜ Map ID

Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 48671021_1_1
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 Site Area (Ha): 1.17
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Site Details

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 INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West Midlands, DY4 7BS



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

48671021_1_1

Customer Reference:

BF4851/STRATUS/DT

National Grid Reference:

397940, 292930

Slice:

A

Site Area (Ha):

1.17

Search Buffer (m):

1000

Site Details:

TIPTON WASTE TRANSFER STATION
BAGNELL STREET INDUSTRIAL ESTATE
CHIMNEY ROAD
TIPTON
West Midlands
DY4 7BS

Client Details:

Ms P Coulson
Sirius Geotechnical & Environmental Ltd
4245 Park Approach
Thorpe Park
Leeds
LS15 8GB

Report Section	Page Number
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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		13	10	12
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 9		5		11
Integrated Pollution Prevention And Control	pg 12		4		4
Local Authority Integrated Pollution Prevention And Control	pg 13				2
Local Authority Pollution Prevention and Controls	pg 14		1	13	15
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 18		Yes		
Pollution Incidents to Controlled Waters	pg 18		5	13	33
Prosecutions Relating to Authorised Processes	pg 26				4
Prosecutions Relating to Controlled Waters	pg 27				1
Registered Radioactive Substances					
River Quality	pg 27		3		3
River Quality Biology Sampling Points	pg 28		1		2
River Quality Chemistry Sampling Points	pg 30		1	2	
Substantiated Pollution Incident Register	pg 32		1		4
Water Abstractions	pg 33			1	(*11)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 36	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 36	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 36	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 36	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 36		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 36		Yes	n/a	n/a
Waste					
BGS Recorded Landfill Sites	pg 38				1
Historical Landfill Sites	pg 38	2		1	10
Integrated Pollution Control Registered Waste Sites	pg 40				5
Licensed Waste Management Facilities (Landfill Boundaries)	pg 41				3
Licensed Waste Management Facilities (Locations)	pg 42		2	4	10
Local Authority Recorded Landfill Sites	pg 45				2
Registered Landfill Sites	pg 46		2		7
Registered Waste Transfer Sites	pg 49	2		1	
Registered Waste Treatment or Disposal Sites	pg 50		1	5	5

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 57				2
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 57				1
Planning Hazardous Substance Consents	pg 57				2
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 58	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 58	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 69		4	3	17
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 73	Yes	n/a	n/a	n/a
Mining Instability	pg 73	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 73	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 73	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 73	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 74	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 74	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 74	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 75		23	77	209
Fuel Station Entries	pg 102			1	4

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 104				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 104	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Biffa Waste Services Limited Property Type: Domestic Property (Multiple) Location: Premises At Chimney Road Bagnall Street Industrial Estate, Great Bridge, Tipton, West Midlands, Dy4 7bs Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/36423/T Permit Version: 1 Effective Date: 8th February 2007 Issued Date: 8th February 2007 Revocation Date: 31st December 2010 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	2	1	397910 292990
1	Discharge Consents Operator: A Smith & Sons Waste Disposal Limited Property Type: Waste Disposal Sites Location: Chimney Road, Bagnall Street Industrial Estate, Great Bridge, TIPTON Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: CT/08/35134/T/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 21st May 1997 Revocation Date: Not Supplied Discharge Type: Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame (Oldbury Arm) Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	2	1	397910 292990
1	Discharge Consents Operator: Biffa Waste Services Limited Property Type: Domestic Property (Multiple) Location: Premises At Chimney Road Bagnall Street Industrial Estate, Great Bridge, Tipton, West Midlands, Dy4 7bs Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/35134/T Permit Version: 1 Effective Date: 21st May 1997 Issued Date: 21st May 1997 Revocation Date: 7th February 2007 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	2	1	397910 292990
1	Discharge Consents Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Bagnall Industrial Estate, Golds Hill, West Bromich Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/02573/O Permit Version: 1 Effective Date: 21st July 1969 Issued Date: 21st July 1969 Revocation Date: 27th March 2000 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	13	1	397900 293000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Eagle Lane, Area Of, West Bromich Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/03770/O Permit Version: 1 Effective Date: 4th September 1974 Issued Date: 4th September 1974 Revocation Date: 27th March 2000 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Canal Environment: Receiving Water: Bcn Walsall Canal Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A13SW (W)	91	1	397800 292900
3	Discharge Consents Operator: Severn Trent Water Authority Property Type: Not Given Location: Toll End Wrw, Tame Division Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T/08/09160/O/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th September 1983 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame (Oldbury Arm) Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (N)	93	1	397900 293080
4	Discharge Consents Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Alexandra Road/, Church Lane Roundabout/ Bridge, Road, Tipton Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/01534/O Permit Version: 1 Effective Date: 30th March 1966 Issued Date: 30th March 1966 Revocation Date: 28th June 2006 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tipton Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	93	1	397800 293000
4	Discharge Consents Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Alexandra Road/, Church Lane Roundabout/ Bridge, Road, Tipton Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/01534/O Permit Version: 2 Effective Date: 31st March 2009 Issued Date: 30th March 1966 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tipton Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	93	1	397800 293000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Black Country Trunk Sewer, Toll End Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/12150/O Permit Version: 1 Effective Date: 21st June 1989 Issued Date: 21st June 1989 Revocation Date: 7th March 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A13NW (N)	173	1	397890 293160
6	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Wolesley Road, ., ., Dy4 7hy Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: Tsc2151 Permit Version: 1 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 12th August 2011 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13SW (S)	181	1	397870 292691
6	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewerage Network - Pumping Station - Water Company Location: Dudley St S/O &, Great Bridge East, Sws Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/08407/O Permit Version: 1 Effective Date: 16th March 1981 Issued Date: 16th March 1981 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame (Oldbury Arm) Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A13SW (S)	185	1	397850 292690
6	Discharge Consents Operator: Robinson Brothers Ltd Property Type: Chemical Manufacture/Storage Location: Robinson Brothers Ltd, Phoenix Street, West Bromwich Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: CT/08/30282/T/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 29th February 1996 Revocation Date: Not Supplied Discharge Type: Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame (Oldbury Arm) Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (S)	187	1	397870 292685

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Robinson Brothers Limited Property Type: Undefined Or Other Location: Robinson Brothers Ltd, Phoenix, West Bromwich, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/30282/T Permit Version: 1 Effective Date: 29th February 1996 Issued Date: 29th February 1996 Revocation Date: 25th March 2002 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame (Oldbury Arm) Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13SE (S)	186	1	397970 292690
8	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Market Place,Tipton Market Place, Great Bridge, Tipton, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/21234/O Permit Version: 1 Effective Date: 26th February 1992 Issued Date: 26th February 1992 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8NW (S)	285	1	397840 292590
8	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Brickhouse Lane/Great Bridge Brickhouse Lane South, Great Bridge, Tipton, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/30062/O Permit Version: 1 Effective Date: 22nd September 1995 Issued Date: 22nd September 1995 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8NW (S)	323	1	397850 292550
8	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Farley Street,Great Bridge Off Market Place, Great Bridge, Tipton, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/21454/O Permit Version: 1 Effective Date: 25th April 1992 Issued Date: 25th April 1992 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame (Oldbury Arm) Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8NW (S)	323	1	397850 292550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Severn Trent Water Authority Property Type: Not Given Location: Toll End Wrw, Tame Division Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T/08/09160/O/3 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th September 1983 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Tipton Brook Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	323	1	397750 293275
9	Discharge Consents Operator: Severn Trent Water Authority Property Type: Not Given Location: Toll End Wrw, Tame Division Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T/08/09160/O/2 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th September 1983 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Tipton Brook Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	327	1	397750 293280
10	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Whitehall Road Storm Overflow, Whitehall Road, West Bromwich Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/21264/O Permit Version: 1 Effective Date: 17th March 1992 Issued Date: 17th March 1992 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame (Oldbury Arm) Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8NW (S)	333	1	397850 292540
11	Discharge Consents Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Golds Green Area, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/00670/O Permit Version: 1 Effective Date: 27th April 1959 Issued Date: 27th April 1959 Revocation Date: 27th March 2000 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A18SE (N)	425	1	398000 293420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Toll End Road, ., ., Dy4 0hw Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: Tsc1986 Permit Version: 1 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tipton Brook Status: Appeal by applicant: Revised by Secretary of State (Section 39) Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	448	1	397490 293181
12	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewerage Network - Pumping Station - Water Company Location: Toll End Sewage Pumping Station, Toll End Road, Tipton Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/30129/O Permit Version: 1 Effective Date: 24th July 1995 Issued Date: 24th July 1995 Revocation Date: 31st March 2003 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tipton Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	448	1	397490 293180
12	Discharge Consents Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Toll End Road, Tipton, Dudley Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: Dt/2349 Permit Version: 1 Effective Date: 13th May 1963 Issued Date: 13th May 1963 Revocation Date: 1st March 2001 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tipton Brook Status: Application refused - 1961 Rivers (Prevention of Pollution) Act Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	448	1	397500 293200
13	Discharge Consents Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Re-Development Area At Slater Street/Fisher Street, Great Bridge, West Bromich, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/02364/O Permit Version: 1 Effective Date: 9th October 1968 Issued Date: 9th October 1968 Revocation Date: 27th March 2000 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A8NW (S)	527	1	397760 292360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Discharge Consents Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Bridge Road, Tipton, Dudley Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: Dt/2350 Permit Version: 1 Effective Date: 13th May 1963 Issued Date: 13th May 1963 Revocation Date: 1st March 2001 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tipton Brook Status: Application refused - 1961 Rivers (Prevention of Pollution) Act Positional Accuracy: Located by supplier to within 100m	A12NW (W)	645	1	397250 293050
15	Discharge Consents Operator: Clark Chapman John Thompson Property Type: Undefined Or Other Location: Clark Chapman John Thompson Horseley Piggott Division, Horseley Works, Horseley Rd, Tipton, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/07101/T Permit Version: 1 Effective Date: 16th January 1976 Issued Date: 16th January 1976 Revocation Date: 22nd June 1992 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: Chapman Brook Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	654	1	397300 292600
15	Discharge Consents Operator: Clark Chapman John Thompson Property Type: Undefined Or Other Location: Clark Chapman John Thompson Horseley Piggott Division, Horseley Works, Horseley Rd, Tipton, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/07101/T Permit Version: 1 Effective Date: 16th January 1976 Issued Date: 16th January 1976 Revocation Date: 22nd June 1992 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Chapman Brook Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	654	1	397300 292600
15	Discharge Consents Operator: Clark Chapman John Thompson Property Type: Undefined Or Other Location: Clark Chapman John Thompson Horseley Piggott Division, Horseley Works, Horseley Rd, Tipton, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/07101/T Permit Version: 1 Effective Date: 16th January 1976 Issued Date: 16th January 1976 Revocation Date: 22nd June 1992 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Chapman Brook Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	654	1	397300 292600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Discharge Consents Operator: Severn Trent Water Limited Property Type: Domestic Property (Multiple) Location: Aston Street Housing Estate, West Bromich Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/01794/O Permit Version: 1 Effective Date: 27th October 1966 Issued Date: 27th October 1966 Revocation Date: 27th March 2000 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Tipton Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A12NW (W)	701	1	397200 293100
17	Discharge Consents Operator: National Grid Co Plc Property Type: Sewage Disposal Works Location: National Grid Company Plc, Ocker Hill Substation, Power Way, Tipton , West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: CT/08/35166/S1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 8th December 1997 Revocation Date: Not Supplied Discharge Type: Sewage Treatment Works - Final Effluent Discharge: Unknown Environment: Receiving Water: Receiving Water Not Defined Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NE (N)	780	1	397980 293775
17	Discharge Consents Operator: The National Grid Company Plc Property Type: Sewage Disposal Works - Other Location: Ocker Hill Substation, Power Way, Tipton, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/35166/S Permit Version: 1 Effective Date: 8th December 1997 Issued Date: 8th December 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Oldbury Tame Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A18NE (N)	785	1	397980 293780
18	Discharge Consents Operator: British Waterways Board Property Type: Water Treatment Works Location: Cottages 126 And 127, Ryders Green Locks, WEST BROMWICH Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T/08/02009/S/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 6th July 1967 Revocation Date: Not Supplied Discharge Type: Sewage Treatment Works - Final Effluent Discharge: Unknown Environment: Receiving Water: Receiving Water Not Defined Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	805	1	398200 292100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Discharge Consents Operator: Midland Motor Cylinder Co Ltd Property Type: Chemical Manufacture/Storage Location: Midland Motor Cylinder Co Ltd, Great Bridge Works, Shaw Street, WEST BROMWICH Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T1996/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 13th June 1967 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Canal Environment: Receiving Water: Tame Valley Canal Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	820	1	398400 293700
20	Discharge Consents Operator: National Grid Property Type: Production & Distribution Of Electricity Location: Ocker Hill Substation Power Wayane, Off Black Country, Spine Road, Tipton, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/35996/T Permit Version: 1 Effective Date: 7th September 2004 Issued Date: 7th September 2004 Revocation Date: 14th April 2011 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame (Oldbury Arm) Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NE (N)	827	1	398040 293820
21	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Tipton Cemetery Cso, Between Alexander Road/Church, Lane Roundabout & Bridge Road, Tipton Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/36337/O Permit Version: 1 Effective Date: 31st March 2007 Issued Date: 12th December 2006 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tipton Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12NW (W)	959	1	396930 292990
22	Integrated Pollution Controls Name: Ervin Amasteel Location: George Henry Road, Great Bridge, TIPTON, West Midlands, DY4 7BS Authority: Environment Agency, Midlands Region Permit Reference: BD1172 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.1 A (F) Iron and Steel processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A13NE (E)	209	1	398194 292978
22	Integrated Pollution Controls Name: Ervin Amasteel Location: George Henry Road, GREAT BRIDGE, TIPTON, West Midlands, DY4 7BZ Authority: Environment Agency, Midlands Region Permit Reference: Bu3876 Dated: 16th July 2003 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.1 A (F) Iron and Steel processes within the Metal Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address	A13NE (E)	210	1	398194 292983

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Integrated Pollution Controls Name: Ervin Amasteel Location: George Henry Road, Great Bridge, Tipton, West Midlands, DY4 7BZ Authority: Environment Agency, Midlands Region Permit Reference: Bj2822 Dated: 7th November 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.1 A (F) Iron and Steel processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A13NE (E)	210	1	398194 292983
22	Integrated Pollution Controls Name: Ervin Amasteel Location: George Henry Road, TIPTON, West Midlands, DY4 7BZ Authority: Environment Agency, Midlands Region Permit Reference: AQ9561 Dated: 8th November 1995 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 2.1 A (F) Iron and Steel processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A13NE (E)	210	1	398194 292983
22	Integrated Pollution Controls Name: Ervin Amasteel Location: George Henry Road, Great Bridge, TIPTON, West Midlands, DY4 7BS Authority: Environment Agency, Midlands Region Permit Reference: BB1651 Dated: Not Supplied Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.1 A (F) Iron and Steel processes within the Metal Industry Status: Application has met the requirements for authorisation (but not yet authorised)Not Yet Authorised Positional Accuracy: Automatically positioned to the address	A13NE (E)	210	1	398194 292983
23	Integrated Pollution Controls Name: Rwe Npower Plc Location: Ockerhill Gt Power Station, Bayleys Lane, TIPTON, West Midlands, DY4 0HA Authority: Environment Agency, Midlands Region Permit Reference: AS6233 Dated: 4th August 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (B) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A18NE (N)	780	1	397966 293775
23	Integrated Pollution Controls Name: Rwe Npower Plc Location: Ockerhill Gt Power Station, Bayleys Lane, TIPTON, West Midlands, DY4 0HA Authority: Environment Agency, Midlands Region Permit Reference: AF7312 Dated: 31st March 1993 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 1.3 A (B) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A18NE (N)	780	1	397961 293775
23	Integrated Pollution Controls Name: National Power Plc Location: Ockerhill Gt Power Station, Bayleys Lane, TIPTON, West Midlands, DY4 0HA Authority: Environment Agency, Midlands Region Permit Reference: BF4377 Dated: 19th February 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (B) Combustion processes within the Fuel & Power Industry Status: Application has met the requirements for authorisation (but not yet authorised)Not Yet Authorised Positional Accuracy: Automatically positioned to the address	A18NE (N)	785	1	397961 293780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Integrated Pollution Controls Name: National Power Plc Location: Ockerhill Gt Power Station, Bayleys Lane, TIPTON, West Midlands, DY4 0HA Authority: Environment Agency, Midlands Region Permit Reference: BB8788 Dated: 5th August 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (B) Combustion processes within the Fuel & Power Industry Status: Application has met the requirements for authorisation (but not yet authorised)Not Yet Authorised Positional Accuracy: Automatically positioned to the address	A18NE (N)	785	1	397966 293780
23	Integrated Pollution Controls Name: National Power Plc Location: Ockerhill Gt Power Station, Bayleys Lane, TIPTON, West Midlands, DY4 0HA Authority: Environment Agency, Midlands Region Permit Reference: AK3315 Dated: 22nd September 1993 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (B) Combustion processes within the Fuel & Power Industry Status: Application received by HMIP but is not yet authorisedNot Yet Authorised Positional Accuracy: Automatically positioned to the address	A18NE (N)	785	1	397961 293780
23	Integrated Pollution Controls Name: Rwe Npower Plc Location: Ockerhill Gt Power Station, Bayleys Lane, TIPTON, West Midlands, DY4 0HA Authority: Environment Agency, Midlands Region Permit Reference: BD2179 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (B) Combustion processes within the Fuel & Power Industry Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A18NE (N)	790	1	397966 293785
24	Integrated Pollution Controls Name: Atotech Uk Ltd Location: William Street, WEST BROMWICH, West Midlands, B70 0BE Authority: Environment Agency, Midlands Region Permit Reference: AK5369 Dated: 17th January 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.4 A (D) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A9SW (SE)	804	1	398395 292181
24	Integrated Pollution Controls Name: Atotech Uk Ltd Location: William Street, WEST BROMWICH, West Midlands, B70 0BE Authority: Environment Agency, Midlands Region Permit Reference: BG7720 Dated: 3rd February 2000 Process Type: IPC major (substantial) variation Description: 4.4 A (D) processes involving Halogens within the Chemical Industry Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A9SW (SE)	807	1	398400 292181
24	Integrated Pollution Controls Name: Atotech Uk Ltd Location: William Street, WEST BROMWICH, West Midlands, B70 0BE Authority: Environment Agency, Midlands Region Permit Reference: BC0359 Dated: 22nd October 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (D) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A9SW (SE)	808	1	398395 292176
24	Integrated Pollution Controls Name: Atotech Uk Ltd Location: William Street, WEST BROMWICH, West Midlands, B70 0BE Authority: Environment Agency, Midlands Region Permit Reference: BE6226 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (D) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A9SW (SE)	811	1	398400 292176

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Integrated Pollution Controls Name: Druryway Sanbra Ltd Location: Whitehall Road, TIPTON, West Midlands, DY4 7JU Authority: Environment Agency, Midlands Region Permit Reference: AM0180 Dated: Not Supplied Process Type: Withdrawn IPC application Description: 4.3 A (F) Acid processes within the Chemical Industry Status: Application referred to Local Authority for consideration Positional Accuracy: Automatically positioned to the address	A8SE (S)	853	1	398211 292054
26	Integrated Pollution Prevention And Control Name: Tulip Limited Location: Tulip Meats, Tulip Meats, George Henry Road,,, TIPTON, West Midlands, DY4 7BZ Authority: Environment Agency, Midlands Region Permit Reference: UP3639FE Original Permit Ref: Up3639fe Effective Date: 28th November 2011 Status: Effective Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (D) (I) Activity Description: Animal Vegetable & Food; Treating Etc Animal Raw Materials (Not Milk) For Food >75T/D Primary Activity: Y	A13NE (E)	36	1	398022 292952
27	Integrated Pollution Prevention And Control Name: Ervin Amasteel Location: Great Bridge Ferrous Shot Works, George Henry Road, Great Bridge, Tipton, West Midlands, DY4 7BS Authority: Environment Agency, Midlands Region Permit Reference: Bx2400iz Original Permit Ref: Bj9908ia Effective Date: 14th June 2005 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 2.1 A(1) (B) Activity Description: Ferrous Metals; Producing, Melting Or Refining Primary Activity: Y	A13NE (E)	210	1	398194 292983
27	Integrated Pollution Prevention And Control Name: Ervin Amasteel Location: George Henry Road, Great Bridge, Tipton, West Midlands, DY4 7BZ Authority: Environment Agency, Midlands Region Permit Reference: Lp3039bn Original Permit Ref: Bj9908ia Effective Date: 14th June 2005 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 2.1 A(1) (B) Activity Description: Ferrous Metals; Producing, Melting Or Refining Primary Activity: Y	A13NE (E)	210	1	398194 292983
27	Integrated Pollution Prevention And Control Name: Ervin Amasteel Location: Great Bridge Ferrous Shot Works, George Henry Road, Great Bridge, Tipton, West Midlands, DY4 7BS Authority: Environment Agency, Midlands Region Permit Reference: Bj9908ia Original Permit Ref: Bj9908ia Effective Date: 8th December 2003 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 2.1 A(1) (B) Activity Description: Ferrous Metals; Producing, Melting Or Refining Primary Activity: Y	A13NE (E)	210	1	398194 292983

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	Integrated Pollution Prevention And Control Name: Houghton Plc Location: Houghton Plc, 97, William Street,,, WEST BROMWICH, West Midlands, B70 0BG Authority: Environment Agency, Midlands Region Permit Reference: DP3338KR Original Permit Ref: Tp3132ge Effective Date: 3rd March 2010 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: Y	A9SW (SE)	708	1	398325 292253
28	Integrated Pollution Prevention And Control Name: Houghton Plc Location: D. A. Stuart Ltd. Recycling Division, 97, William Street,,, WEST BROMWICH, West Midlands, B70 0BG Authority: Environment Agency, Midlands Region Permit Reference: TP3132GE Original Permit Ref: Tp3132ge Effective Date: 20th April 2009 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: Y	A9SW (SE)	708	1	398325 292253
28	Integrated Pollution Prevention And Control Name: D. A. Stuart Limited Location: 97, William Street, West Bromwich, West Midlands, B70 0BG Authority: Environment Agency, Midlands Region Permit Reference: BP3930XS Original Permit Ref: Mp3035us Effective Date: 9th November 2007 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: Y	A9SW (SE)	708	1	398325 292253
28	Integrated Pollution Prevention And Control Name: D. A. Stuart Limited Location: 97, William Street, West Bromwich, West Midlands, B70 0BG Authority: Environment Agency, Midlands Region Permit Reference: MP3035US Original Permit Ref: Mp3035us Effective Date: 11th October 2007 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: Y	A9SW (SE)	708	1	398325 292253
29	Local Authority Integrated Pollution Prevention And Control Name: Jw Shenton Location: Tinsley Street, Great Bridge, Tipton, West Midlands, DY4 7LQ Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: IPPC90065 Dated: Not Supplied Process Type: Production and Processing of Metals Description: Iron Steel and Non-ferrous metal foundry process Status: Permit Issued Positional Accuracy: Automatically positioned to the address	A8NE (S)	565	2	398040 292316
30	Local Authority Integrated Pollution Prevention And Control Name: Cooper Coated Coil Ltd Location: Great Bridge Street, Great Bridge, West Bromwich, West Midlands, B70 0DJ Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: IPPC91767 Dated: Not Supplied Process Type: Other Activities Description: IPPC SG6 A2 Surface treatment Status: Permit Revoked Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	600	2	398312 292369

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Local Authority Pollution Prevention and Controls Name: Charter Castings Ltd Location: Bagnall Street, Great Bridge, TIPTON, West Midlands, DY4 7BS Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC91560 Dated: 3rd March 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG2/6 Aluminium and aluminium alloy processes Status: Permitted Positional Accuracy: Automatically positioned to the address	A13NE (NE)	81	2	398027 293062
32	Local Authority Pollution Prevention and Controls Name: Ailsa Industrial Service Location: Unit 15 Eagle Industrial Estate, Bagnail Street, Great Bridge, TIPTON, West Midlands, DY4 7BS Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 93800 Dated: 8th April 1993 Process Type: Local Authority Air Pollution Control Description: PG2/9 Metal decontamination processes Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	293	2	398102 293262
33	Local Authority Pollution Prevention and Controls Name: A H Adams Motors (Tipton) Ltd Location: 85 New Road, Great Bridge, TIPTON, West Midlands, DY4 7BX Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92953 Dated: 20th December 1996 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the address or location	A12SE (W)	342	2	397554 292824
34	Local Authority Pollution Prevention and Controls Name: H R Metals Ltd Location: Bagnall Street, Golds Hill, WEST BROMWICH, West Midlands, B70 0TS Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92436 Dated: 24th August 1998 Process Type: Local Authority Air Pollution Control Description: PG2/8 Copper and copper alloy processes Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	367	2	398246 293249
35	Local Authority Pollution Prevention and Controls Name: Metakal Foundries Ltd Location: Units 7-8 Eagle Lane Industrial Estate, Bagnall Street, Great Bridge, TIPTON, West Midlands, DY4 7BS Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 91561 Dated: 31st March 1992 Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Application Refused Or Cancelled Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	370	2	398121 293337
36	Local Authority Pollution Prevention and Controls Name: Advanced Fencing Ltd Location: 112 Brickhouse Lane, WEST BROMWICH, West Midlands, B70 0DR Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 94005 Dated: 17th June 2002 Process Type: Local Authority Air Pollution Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	399	2	398301 292622
37	Local Authority Pollution Prevention and Controls Name: Cubra Casting Co Ltd Location: Pikehelve Street, WEST BROMWICH, West Midlands, B70 0TU Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC92863 Dated: 12th February 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG2/8 Copper and copper alloy processes Status: Permitted Positional Accuracy: Automatically positioned to the address	A18SE (NE)	400	2	398251 293290

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Local Authority Pollution Prevention and Controls Name: N T Metals Ltd Location: Bagnall Street, Golds Hill, WEST BROMWICH, West Midlands, B70 0UA Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92436 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	421	2	398295 293275
38	Local Authority Pollution Prevention and Controls Name: Huf Uk Ltd Location: Black Country New Road, Tipton, West Midlands, DY4 0PT Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC92977 Dated: 20th October 1997 Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic Status: Permitted Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	410	2	397738 293365
39	Local Authority Pollution Prevention and Controls Name: Express Dry Cleaners Location: 55 Great Bridge, Tipton, Dy4 7hf Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC94040 Dated: 6th May 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A8NW (S)	416	2	397914 292454
40	Local Authority Pollution Prevention and Controls Name: Asda Great Bridge Petrol Filling Station Location: Brickhouse Lane South, Great Bridge, TIPTON, West Midlands, DY4 7HW Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC93075 Dated: 19th June 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A8NE (SE)	453	2	398174 292463
41	Local Authority Pollution Prevention and Controls Name: Glynwed Brickhouse Location: Brickhouse Lane, WEST BROMWICH, West Midlands, B70 0DY Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92880 Dated: 2nd February 1994 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	453	2	398405 292684
41	Local Authority Pollution Prevention and Controls Name: Saint-Gobain Pipelines Plc Location: Brickhouse Lane, WEST BROMWICH, West Midlands, B70 0DY Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC92952 Dated: 11th May 1995 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	491	2	398435 292659
42	Local Authority Pollution Prevention and Controls Name: Glynwed Foundry Products Ltd Location: Brickhouse Lane, WEST BROMWICH, West Midlands, B70 0DY Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 90069 Dated: 16th April 1993 Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	489	2	398456 292714

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Local Authority Pollution Prevention and Controls Name: The Elctrolytic Plating Co Ltd Location: Princes Works , Harold Street, TIPTON, West Midlands, DY4 0JF Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92961 Dated: 25th March 1996 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	524	2	397377 293079
43	Local Authority Pollution Prevention and Controls Name: Bennett & Price Location: Aston Street, TIPTON, West Midlands, DY4 0JD Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 90745 Dated: 31st March 1992 Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Application Withdrawn Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	543	2	397352 293044
44	Local Authority Pollution Prevention and Controls Name: Ramsden & Whale Ltd Location: Harold Street, Ocker Hill, TIPTON, West Midlands, DY4 0JF Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC91978 Dated: 8th October 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/15 Coating in drum manufacturing and reconditioning processes Status: Permitted Positional Accuracy: Manually positioned to the address or location	A12NE (W)	532	2	397383 293137
45	Local Authority Pollution Prevention and Controls Name: Dudley Port (Dyer) Ltd Location: Units A-B, Great Bridge Estate, Bridge Road, TIPTON, West Midlands, DY4 7SA Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92912 Dated: 6th October 1993 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	544	2	397410 293235
46	Local Authority Pollution Prevention and Controls Name: Midland Funeral Supplies Ltd Location: Unit 1 & 2 Richmond Street South, Swan Village, WEST BROMWICH, West Midlands, B70 0DG Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92978 Dated: 8th January 1998 Process Type: Local Authority Air Pollution Control Description: PG6/33 Wood coating Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A9NW (SE)	558	2	398375 292470
47	Local Authority Pollution Prevention and Controls Name: Bicknell (Malvern) Ltd Location: Mill Street, Great Bridge, TIPTON, West Midlands, DY4 7EG Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92953 Dated: 12th August 1995 Process Type: Local Authority Air Pollution Control Description: PG6/10 Coating manufacturing Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A8NW (SW)	562	2	397615 292383
48	Local Authority Pollution Prevention and Controls Name: J W Shenton Ltd Location: Tinsley Street, Great Bridge, TIPTON, West Midlands, DY4 7LQ Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC90065 Dated: 27th April 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG2/5 Hot and cold blast cupolas Status: Permitted Positional Accuracy: Located by supplier to within 10m	A8NE (S)	596	2	398031 292284

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	Local Authority Pollution Prevention and Controls Name: Dyer (Structural Steelworks) Location: Units A & B, Great Bridge Industrial Estate, Bridge Road, TIPTON, West Midlands, DY4 0HK Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92912 Dated: 9th April 1998 Process Type: Local Authority Air Pollution Control Description: Part B - General Coating Process (No Specific Reference) Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	598	2	397367 293270
50	Local Authority Pollution Prevention and Controls Name: Cooper Coated Coil Ltd Location: Great Bridge Street, Great Bridge, WEST BROMWICH, West Midlands, B70 0DJ Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: IPPC91767 Dated: 3rd May 1995 Process Type: Local Authority Air Pollution Control Description: PG4/1 Processes for the surface treatment of metals Status: Transferred to LAIPPC Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	656	2	398349 292326
51	Local Authority Pollution Prevention and Controls Name: Somerfield (Dudley) Location: Horseley Road, Dudley Port, TIPTON, West Midlands, DY4 7RB Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 94018 Dated: 15th March 2005 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	663	2	397227 292866
52	Local Authority Pollution Prevention and Controls Name: Walsall Conduits Ltd Location: Dial Lane, WEST BROMWICH, West Midlands, B70 0EB Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92883 Dated: 26th February 1993 Process Type: Local Authority Air Pollution Control Description: PG2/2 Hot dip galvanising processes Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	707	2	398697 292787
53	Local Authority Pollution Prevention and Controls Name: Walsall Conduite Ltd Location: Dial Lane, WEST BROMWICH, West Midlands, B70 0EB Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 91803 Dated: 26th February 1993 Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	785	2	398781 292868
54	Local Authority Pollution Prevention and Controls Name: Conex-Sanbra/lbp Ltd Location: Whitehall Road, TIPTON, West Midlands, DY4 7JU Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92945 Dated: 9th August 1995 Process Type: Local Authority Air Pollution Control Description: PG4/1 Processes for the surface treatment of metals Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the address or location	A8SE (S)	914	2	398139 291976
55	Local Authority Pollution Prevention and Controls Name: Ba Taylor Metals Ltd Location: Great Bridge Street, WEST BROMWICH, West Midlands, B70 0BW Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92932 Dated: 27th January 1994 Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A9SE (SE)	927	2	398646 292218

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	Local Authority Pollution Prevention and Controls Name: H Geddes And Sons Ltd Location: Shaw Street, Golds Hill, WEST BROMWICH, West Midlands, B70 0TX Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92435 Dated: 12th February 1992 Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Authorisation revoked Positional Accuracy: Manually positioned within the geographical locality	A19NE (NE)	988	2	398625 293744
	Nearest Surface Water Feature	A13SW (W)	6	-	397884 292918
57	Pollution Incidents to Controlled Waters Property Type: Metal industry Location: Eagle Crossing, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Other Chemicals Note: No Adverse Effects; Tame; Red Discharge Incident Date: 12th April 1997 Incident Reference: 2001853 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	8	1	397900 292995
58	Pollution Incidents to Controlled Waters Property Type: Road (Road Traffic Accident) Location: Bagnall Street, Great Bridge, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Amenity Affected; Diesel Spillage On Road; Quantity Unknown Incident Date: 28th September 1998 Incident Reference: 2002640 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	87	1	397950 293080
59	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: All Saints Road, Monmore Green, WOLVERHAMPTON Authority: Environment Agency, Midlands Region Pollutant: Oils - Petrol Note: Smell Of Gas; No Adverse Effects Incident Date: 25th June 1997 Incident Reference: 2001922 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	118	1	397800 292800
60	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Surface Water Outfall Location: Eagle Lane, GREAT BRIDGE Authority: Environment Agency, Midlands Region Pollutant: Oils - Unknown Note: Canal Arm; Rotten Stench; No Adverse Effect Incident Date: 2nd June 1996 Incident Reference: 2000799 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	206	1	398000 293200
61	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Down Stream From Newby Foundry, WEDNESBURY Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Tame; Oil; No Adverse Effects Incident Date: 1st May 1997 Incident Reference: 2702323 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	212	1	397900 293200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Surface Water Outfall Location: Newby Foundry Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Tame; Oil On River; No Adverse Effects Incident Date: 4th February 1997 Incident Reference: 2702460 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	256	1	397950 293250
63	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Brickhouse Lane, GREAT BRIDGE Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Oldbury Tame Canal; Turbid With Red Suds; No Adverse Effect Incident Date: 24th January 1996 Incident Reference: 2700407 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	334	1	397800 292550
63	Pollution Incidents to Controlled Waters Property Type: Abandoned mine Location: GREAT BRIDGE Authority: Environment Agency, Midlands Region Pollutant: Chemicals - Other Inorganic Note: Amenity Affected; River Has Gone Green Incident Date: 28th July 1998 Incident Reference: 2002672 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Ineffective Pumping Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	351	1	397750 292550
64	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: H U F Uk Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Tipton Brook; Solids/sewage Incident Date: 4th March 1999 Incident Reference: 2705476 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	362	1	397705 293295
64	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Dudley Road Surface Water Sewer Authority: Environment Agency, Midlands Region Pollutant: Oils - Unknown Note: Amenity Affected; Oil Discharge Incident Date: 20th October 1998 Incident Reference: 2705010 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	369	1	397700 293300
65	Pollution Incidents to Controlled Waters Property Type: Power Generation/Distribution Location: Olker Hill Sub Station, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Oils - Gas Oil Note: Tame; Mineral Oil; Other Adverse Effects Incident Date: 14th October 1995 Incident Reference: 1000399 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	409	1	397500 293100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Moors Hill Lane, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: Tipton Brook; Sewage Present In Sws; No Adverse Effect Incident Date: 18th April 1996 Incident Reference: 2700284 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	426	1	397500 293150
66	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Ryders Green Locks Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Unknown Note: Walsall Canal; Canal Green Colour; No Adverse Effect Incident Date: 17th February 1996 Incident Reference: 2700172 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	442	1	398100 292450
67	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Surface Water Sewer, Toll End Road, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: No Adverse Effects; Tipton Brook; Sewage Present In Sws Incident Date: 15th January 1997 Incident Reference: 2701763 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	472	1	397450 293150
68	Pollution Incidents to Controlled Waters Property Type: Construction Location: Coil Handling, Brickhouse Lane, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Oils - Other Oil Note: No Adverse Effects; Oil Leaking From Large Crane Incident Date: 3rd January 1997 Incident Reference: 2700980 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Mechanical Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	472	1	397850 292400
69	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Ryders Green Canal Feeder Authority: Environment Agency, Midlands Region Pollutant: Oils - Other Oil Note: Diesel; No Adverse Effect Incident Date: 21st May 1996 Incident Reference: 2700270 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	475	1	398200 292450
70	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Other Location: River Tame, GREAT BRIDGE Authority: Environment Agency, Midlands Region Pollutant: Oils - Gas Oil Note: Tame; Diesel In River Incident Date: 17th June 1998 Incident Reference: 2704409 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A8NE (S)	478	1	398000 292400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Tollend Road, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: No Adverse Effects; Tipton Brook; Brook Orange In Colour Incident Date: 26th September 1996 Incident Reference: 2701620 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Blocked Sewer Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	492	1	397450 293200
71	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Toll End Road, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: Tipton Brook; Sewage Entering Brook From Sws; No Adverse Effect Incident Date: 9th May 1996 Incident Reference: 2700275 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	538	1	397400 293200
72	Pollution Incidents to Controlled Waters Property Type: Construction Location: Waterside Park, OCKER HILL Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Oldbury Tame; Discharge Of Solids - Pumped Discharge; No Adverse Effects Incident Date: 5th January 1998 Incident Reference: 2702814 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	510	1	397900 293500
73	Pollution Incidents to Controlled Waters Property Type: Construction Location: Lea Brook Confl With Tame, Wedsnebury Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Inert Suspended Solids Note: No Adverse Effects; Tame; Solids & Diesel Incident Date: 10th March 1997 Incident Reference: 2702026 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	523	1	397800 293500
74	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Other Location: Near Car Show Room, Eagle Lane, TIPTON, West Midlands, DY Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Tame; 45 Gallon Drum Of Diesel Leaking Into Drains; Amenity Affected; Incident Date: 27th May 1999 Incident Reference: 2003558 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Leaking Tank Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A12NE (W)	585	1	397305 292995
74	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Tollend Road, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: No Adverse Effects; Tipton Brook; Grey In Appearance Incident Date: 14th November 1996 Incident Reference: 2701762 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	590	1	397300 292995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Aston Street/, Eagle Street, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: Tipton Brook; Sewage In Sws Adj To Granny Bungalows; No Adverse Effect Incident Date: 17th April 1996 Incident Reference: 2700285 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	590	1	397300 293000
75	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Ryders Green Road, WEST BROMWICH Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Unknown Note: No Adverse Effects; Ryders Green Feeder; Canal Green Incident Date: 29th January 1997 Incident Reference: 2702403 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	588	1	398100 292300
76	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Other Location: Horsley Heath Johns Lane, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Other Note: Unknown; Tyre Fire Incident Date: 6th September 1998 Incident Reference: 2002653 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Groundwater Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	614	1	397500 292400
77	Pollution Incidents to Controlled Waters Property Type: Civic Amenity Tips/Waste Transfer Station Location: Smallman Lubricants, Charles Street, Great Bridge, WEST BROMWICH, West Midlands, B70 Authority: Environment Agency, Midlands Region Pollutant: Oils - Other Oil Note: Unknown Watercourse; Discharging Oil Through Interceptors; Other Adverse Effects; Incident Date: 24th April 1999 Incident Reference: 2705772 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A9NW (SE)	654	1	398300 292300
78	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Baileys Lane, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Unknown Note: Fish Killed; Tame Valley Canal; 1000's Of Dead Fish Incident Date: 29th June 1996 Incident Reference: 2000912 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	655	1	398000 293650

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79	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Newton Rd, Great Barr, BIRMINGHAM Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Tame; Diesel Spillage Affecting Nature Reserve Incident Date: 10th April 1999 Incident Reference: 2003452 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Leaking Tank Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	690	1	398500 293450
80	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Great Bridge Street, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Oils - Unknown Note: Tame; White; Amenity Affected Incident Date: 15th May 1996 Incident Reference: 2000711 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	693	1	397500 292300
81	Pollution Incidents to Controlled Waters Property Type: Construction Location: Great Bridge, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Tame; Coffee Colour; No Adverse Effect Incident Date: 4th May 1996 Incident Reference: 2000659 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	698	1	397700 292200
82	Pollution Incidents to Controlled Waters Property Type: Engineering Location: Sheepwash Lane, DUDLEY PORT Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Amenity Affected; Tame; Surface Oil Incident Date: 24th July 1996 Incident Reference: 2701256 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Leaking Underground Pipe Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8SW (SW)	702	1	397630 292220
82	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Sheepwash Lane, Great Bridge, NEWTOWN Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: Amenity Affected; Filtered Sewage Entering Watercourse From Surface Water Incident Date: 5th August 1998 Incident Reference: 2704714 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	732	1	397600 292200
83	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Near Old Power Station, Bayleys Lane, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Oils - Gas Oil Note: Canal; Sump Oil In Canal; Amenity Affected Incident Date: 15th September 1995 Incident Reference: 1700016 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	740	1	397700 293700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Horseley Road, Napier Drive, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Other Sewage Note: Tipton Brook; Wrong Connection On Sws; No Adverse Effect Incident Date: 21st May 1996 Incident Reference: 2700269 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	752	1	397150 292750
85	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Hill Top Industrial Estate, Rockline, WEST BROMWICH Authority: Environment Agency, Midlands Region Pollutant: Chemicals - Detergents/Surfactant Note: Tame Valley Canal; Baby Wipe Effluent To Sewage Water Drain; No Adverse Effects Incident Date: 14th November 1997 Incident Reference: 2702910 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	769	1	398300 293695
85	Pollution Incidents to Controlled Waters Property Type: Chemical industry Location: Hill Top Industrial Estate, WEST BROMWICH Authority: Environment Agency, Midlands Region Pollutant: Chemicals - Other Organic Note: Tame; Discharge Of Trade Effluent; Other Adverse Effects Incident Date: 14th November 1997 Incident Reference: 2703565 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	774	1	398300 293700
86	Pollution Incidents to Controlled Waters Property Type: Oil Industry (Not Garages) Location: Great Bridge, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Oils - Unknown Note: Walsall Canal; Oil Spillage; Amenity Affected Incident Date: 7th December 1995 Incident Reference: 2700078 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Overfilling During Delivery Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	776	1	398000 292100
87	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Sheepwash Lane, OLDBURY Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: Tame; Sewage Discharging From Surface Water Sewer; No Adverse Effects Incident Date: 17th June 1997 Incident Reference: 2703490 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	798	1	397550 292150
88	Pollution Incidents to Controlled Waters Property Type: Road (Road Traffic Accident) Location: Sws Junct With R.tame, DUDLEY Authority: Environment Agency, Midlands Region Pollutant: Oils - Unknown Note: Oldbury Tame; Oil/diesel Present Incident Date: 23rd April 1999 Incident Reference: 2705704 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A8SE (S)	810	1	398200 292095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	Pollution Incidents to Controlled Waters Property Type: Fire Water Location: Tyre World, Bilston Road, MONMORE GREEN Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Other Note: Other Adverse Effects; Fire Scrap Tyres Incident Date: 12th July 1996 Incident Reference: 2000982 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Groundwater Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	811	1	398750 293250
90	Pollution Incidents to Controlled Waters Property Type: Fire Water Location: Bayleys Lane, OCKER HILL Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Other Note: No Adverse Effects; Walsall Canal; 100 Lorry Tyres On Fire Incident Date: 19th January 1997 Incident Reference: 2001695 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Not Given Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	819	1	397600 293750
91	Pollution Incidents to Controlled Waters Property Type: Ships/Boats Location: Ridgacre Arm Of The Walsall Canal Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Other Note: Walsall Canal; Fish In Distress; Fish Effected Incident Date: 29th June 1997 Incident Reference: 2001909 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	837	1	398600 292300
92	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Bankfield Road, Ocker Hill Moorings, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Oils - Unknown Note: Amenity Affected; Oil On Canal Incident Date: 13th May 1998 Incident Reference: 2704326 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	859	1	397500 293750
93	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Rockline Industries, HILLTOP Authority: Environment Agency, Midlands Region Pollutant: Organic Wastes: Yard Washings Note: Other Affected; Floor Sweeper Incident Date: 20th May 1998 Incident Reference: 2703766 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	871	1	398500 293695
93	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Hill Top Industrial Estate Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: No Adverse Effects; Tame Valley Canal; Oil Discharging To Canal Incident Date: 5th November 1996 Incident Reference: 2701755 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Poor/Inadequate Maintenance Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	876	1	398500 293700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	Pollution Incidents to Controlled Waters Property Type: Fire Water Location: Waste Ground, Billport Lane, WEDNESBURY Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Other Note: No Adverse Effects; Oldbury Tame; Car Tyres On Fire Incident Date: 10th January 1997 Incident Reference: 2001680 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Not Given Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	886	1	398350 293800
95	Pollution Incidents to Controlled Waters Property Type: Metal industry Location: B A Taylor Metals Ltd , Bride Street, WEST BROMWICH Authority: Environment Agency, Midlands Region Pollutant: Other Chemicals Note: None Affected; Magnesium On Fire Incident Date: 7th May 1998 Incident Reference: 2703305 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Not Given Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	909	1	398600 292200
96	Pollution Incidents to Controlled Waters Property Type: Metal industry Location: Siddons Grey Foundry, Hill Top, WEDNESBURY Authority: Environment Agency, Midlands Region Pollutant: Chemicals - Acid Note: Tame Valley Canal; Spillage Of 1 000 Litres Of Sulphuric Acid; No Adverse Effects Incident Date: 4th February 1998 Incident Reference: 2702824 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	940	1	398700 293600
97	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Combined Sewer Overflow Location: Powis Avenue, TIPTON Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: Tipton Brook; Sewage Overflow Working; Amenity Affected Incident Date: 27th September 1995 Incident Reference: 1700059 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (W)	951	1	397000 292550
98	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Rear Of Phoenix Tubes, WEST BROMWICH Authority: Environment Agency, Midlands Region Pollutant: Organic Wastes: Unknown Note: Ridgacre Branch; Dead & Dying Fish; Fish Effectuated Incident Date: 30th June 1997 Incident Reference: 2001907 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Low Dissolved Oxygen Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	978	1	398700 292200
99	Prosecutions Relating to Authorised Processes Location: Great Bridge Industrial Estate, Great Bridge, Tipton, Dy4 Prosecution Text: Illegally operating a waste transfer station Prosecution Act: Epa90 S33(1)(A) Hearing Date: 19th December 2006 Verdict: Guilty Fine: 2000 Costs: 984 Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	600	1	397352 293244

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	Prosecutions Relating to Authorised Processes Location: Bankfield Road, Bilston, Tipton, West Midlands, DY4 Prosecution Text: Environment Times Volume 5 Issue 2, Failure to ensure that waste from the communication firm was disposed of properly. Prosecution Act: EPA90 Hearing Date: 6th November 1998 Verdict: Guilty Fine: 1000 Costs: 530 Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	759	1	397474 293618
101	Prosecutions Relating to Authorised Processes Location: William Street, West Bromwich, B70 Prosecution Text: Depositing and keeping waste without a WML Prosecution Act: Epa90 S33 Hearing Date: 5th February 2007 Verdict: Guilty Fine: 900 Costs: 1267 Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	779	1	398384 292204
102	Prosecutions Relating to Authorised Processes Location: Dial Lane, West Bromwich, B70 0eq Prosecution Text: Failure to comply with packaging waste regulations Prosecution Act: Pro97 Hearing Date: 20th August 2007 Verdict: Guilty Fine: 20000 Costs: 2638 Positional Accuracy: Manually positioned to the address or location	A14SE (E)	799	1	398791 292798
103	Prosecutions Relating to Controlled Waters Location: Oldbury Arm of River Tame, Sheepwash Lane, OLDBURY, West Midlands, B69 Prosecution Text: Environment Times Apr-Aug 1997, Polluting the Oldbury arm of the River Tame with unacceptable levels of heavy metals from excavation works. Prosecution Act: WRA91 Hearing Date: 19th August 1997 Verdict: Guilty Fine: 3000 Cost: 2527 Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	731	1	397658 292178
	River Quality Name: Tame R (Oldbury Arm) GQA Grade: River Quality D Reach: Ds Union Rd To Eagle Ln Tipton Estimated Distance (km): 2 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13NW (W)	28	1	397854 292958
	River Quality Name: Tame R (Oldbury Arm) GQA Grade: River Quality D Reach: Tipton To Wolverhampton Arm Bescot Estimated Distance (km): 4.4 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13NW (N)	113	1	397900 293100
	River Quality Name: Walsall GQA Grade: River Quality E Reach: Tame Valley To B Ham Level Pudding Ln Estimated Distance (km): 3.3 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A13SW (SW)	160	1	397737 292828
	River Quality Name: Tipton Bk GQA Grade: River Quality D Reach: Conf. Swan Bk To Oldbury Arm R. Tame Estimated Distance (km): 1.4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A18SW (NW)	501	1	397617 293404

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Tame Valley GQA Grade: River Quality E Reach: Jn. Walsall Canal To Rushall Canal Estimated Distance (km): 5.2 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A18SW (N)	576	1	397716 293535
	River Quality Name: Walsall GQA Grade: River Quality E Reach: Bull Lane Moxley To Tame Valley Canal Estimated Distance (km): 2.2 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A18SW (NW)	579	1	397643 293507
104	River Quality Biology Sampling Points Name: Tame (Ut - Oldbury Arm) Reach: Tipton To Wolverhampton Arm Bescot Estimated Distance: 4.98 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade F - Bad Year: 1995 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2000 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2002 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2003 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2004 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2005 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2006 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2007 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2008 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2009 GQA Grade: River Quality Biology GQA Grade D - Fair	A13NW (N)	113	1	397900 293100
105	River Quality Biology Sampling Points Name: Tame Valley Canal Reach: Junction Walsall Canal To Rushall Canal Estimated Distance: 5.57 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 1995 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2000 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2009 GQA Grade: River Quality Biology GQA Grade C - Fairly Good	A18SW (NW)	549	1	397700 293500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	River Quality Biology Sampling Points Name: Walsall Canal (Tame - Section 2) Reach: Tame Valley To B'Ham Level Pudding Ln Estimated Distance: 3.28 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 1995 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2000 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2002 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2003 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2004 GQA Grade: River Quality Biology GQA Grade F - Bad Year: 2005 GQA Grade: River Quality Biology GQA Grade F - Bad Year: 2006 GQA Grade: River Quality Biology GQA Grade F - Bad Year: 2007 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2008 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2009 GQA Grade: River Quality Biology GQA Grade E - Poor	A18SW (NW)	549	1	397700 293500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	River Quality Chemistry Sampling Points Name: Tame R (Oldbury Arm) Reach: Downstream Union Road To Eagle Lane Tipton Estimated Distance: 3.57 Objective: Not Supplied Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade F - Bad Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied	A13NW (N)	113	1	397900 293100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	River Quality Chemistry Sampling Points Name: Walsall Canal Reach: Tame Valley To Bham Level Pudding Lane Estimated Distance: 3.28 Objective: Not Supplied Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade F - Bad Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied	A13NW (NW)	288	1	397700 293200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	River Quality Chemistry Sampling Points Name: Tipton Beck Reach: Confluence Swan Brook To Oldbury Arm River Tame Estimated Distance: 2.13 Objective: Not Supplied Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied	A18SW (N)	425	1	397800 293400
108	Substantiated Pollution Incident Register Authority: Environment Agency - Midlands Region, Upper Trent Area Incident Date: 12th February 2002 Incident Reference: 57814 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Pollutant Not Identified: Not Identified	A13NW (NW)	250	1	397722 293168
109	Substantiated Pollution Incident Register Authority: Environment Agency - Midlands Region, Upper Trent Area Incident Date: 29th August 2001 Incident Reference: 27547 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m Pollutant: General Biodegradable : Other Pollutant: Inert : Construction / Demolition Material	A7NE (SW)	541	1	397500 292500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	Substantiated Pollution Incident Register Authority: Environment Agency - Midlands Region, Upper Trent Area Incident Date: 7th January 2002 Incident Reference: 50890 Water Impact: Category 1 - Major Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals/Products: Other Organic Chemical Or Product	A18NW (N)	740	1	397703 293701
111	Substantiated Pollution Incident Register Authority: Environment Agency - Midlands Region, Central Area Incident Date: 5th October 2012 Incident Reference: 1044695 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Specific Waste Materials: Household Waste	A19SE (NE)	964	1	398847 293417
112	Substantiated Pollution Incident Register Authority: Environment Agency - Midlands Region, Central Area Incident Date: 22nd June 2013 Incident Reference: 1125079 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Other	A7NW (SW)	984	1	397046 292372
113	Water Abstractions Operator: Ervin Amasteel Uk Ltd Licence Number: Md/028/0008/003 Permit Version: 1 Location: Harvills Hawthorn Borehole Authority: Environment Agency, Midlands Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Harvills Hawthorn, Tipton Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th December 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (E)	257	1	398240 292994
	Water Abstractions Operator: Brockhouse Forgings Ltd Licence Number: 03/28/08/0111 Permit Version: 100 Location: Brockhouse Forgings Premises, West Bromwich - Borehole Authority: Environment Agency, Midlands Region Abstraction: Machinery And Electronics: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Brockhouse Forgings Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st May 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	1100	1	398900 293600
	Water Abstractions Operator: Brockhouse Forgings Ltd Licence Number: 03/28/08/0111 Permit Version: 100 Location: Brockhouse Forgings Premises, West Bromwich - Borehole Authority: Environment Agency, Midlands Region Abstraction: Machinery And Electronics: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Brockhouse Forgings Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st May 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	1100	1	398900 293600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: British Waterways Board Licence Number: 03/28/08/0053 Permit Version: 100 Location: Dudley Port Rolling Mills Ltd - Birmingham Canal (1) Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Mechanical Non Electrical: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dudley Port Rolling Mills Ltd Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st July 1981 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NE (SW)	1235	1	396800 292300
	Water Abstractions Operator: British Waterways Board Licence Number: 03/28/08/0053 Permit Version: 100 Location: Dudley Port Rolling Mills Ltd - Birmingham Canal (2) Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Mechanical Non Electrical: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dudley Port Rolling Mills Ltd Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st July 1981 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6SE (SW)	1284	1	396800 292200
	Water Abstractions Operator: British Waterways Board Licence Number: 03/28/08/0210 Permit Version: 101 Location: Birmingham Canal Navigation (B'Ham Level) , Tividale Authority: Environment Agency, Midlands Region Abstraction: Transport: Dust suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Rattlechain Site And East Of Rose Lane Site Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd March 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1545	1	397680 291340
	Water Abstractions Operator: British Waterways Board Licence Number: 03/28/08/0210 Permit Version: 101 Location: Birmingham Canal Navigation (B'Ham Level) , Tividale Authority: Environment Agency, Midlands Region Abstraction: Transport: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Rattlechain Site And East Of Rose Lane Site Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd March 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1545	1	397680 291340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Firth Cleveland Steel Strip Licence Number: 03/28/08/0090 Permit Version: 101 Location: Locarno Road, Tipton - Borehole Authority: Environment Agency, Midlands Region Abstraction: Metal: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Firth Cleveland Steel Strip - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 18th November 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1892	1	396030 292540
	Water Abstractions Operator: British Waterways Board Licence Number: 03/28/08/0258 Permit Version: 100 Location: Union Road, West Bromwich - Birmingham Canal Authority: Environment Agency, Midlands Region Abstraction: Petrochemicals: Hydraulic Testing Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Union Road, West Bromwich Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 22nd May 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1914	1	398300 290990
	Water Abstractions Operator: Firth Cleveland Steel Strip Licence Number: 03/28/08/0090 Permit Version: 101 Location: Firth Cleveland Steel Strip - Borehole Authority: Environment Agency, Midlands Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Firth Cleveland Steel Strip - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 18th November 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1929	1	396000 292500
	Water Abstractions Operator: Glynwed Steels Ltd Licence Number: 03/28/08/0090 Permit Version: 100 Location: Firth Cleveland Steel Strip - Borehole Authority: Environment Agency, Midlands Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Firth Cleveland Steel Strip - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st August 1986 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1929	1	396000 292500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Glynwed Steels Ltd Licence Number: 03/28/08/0090 Permit Version: 100 Location: Firth Cleveland Steel Strip - Borehole Authority: Environment Agency, Midlands Region Abstraction: Metal: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Firth Cleveland Steel Strip - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st August 1986 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1929	1	396000 292500
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 22 South Staffordshire & East Shropshire Scale: 1:100,000	A13SW (NW)	0	1	397941 292930
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A13SW (NW)	0	3	397941 292930
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (W)	0	3	397897 292928
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	0	1	397891 292917
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	52	1	397844 292854
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	117	1	397863 293101
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	4	1	397886 292920
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	59	1	397855 292827
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	124	1	397861 293106
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (W)	2	1	397887 292919
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (W)	21	1	397870 292916
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (SW)	57	1	397862 292823

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (SW)	62	1	397847 292830
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (N)	116	1	397871 293100
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (NW)	140	1	397850 293119
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (S)	204	1	397871 292667

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	BGS Recorded Landfill Sites Site Name: Sheepwash Lane Location: WEST BROMWICH, West Mids Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A8SW (S)	769	3	397670 292135
115	Historical Landfill Sites Licence Holder: J J Gallagher Limited Location: Toll End, Tipton, Dudley, West Midlands Name: Land At Bagnall Street/Eagle Lane Landfill Site Operator Location: Armoury Close, Little Green Lane, Bordesley Green, Birmingham Boundary Accuracy: As Supplied Provider Reference: EAHLD23733 First Input Date: 31st December 1946 Last Input Date: 31st December 1987 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4600/0086 BGS Ref: Not Supplied Other Ref: SL/90, 644/238, LF/0005	A13SW (SW)	0	1	397906 292904
116	Historical Landfill Sites Licence Holder: Sandwell Metropolitan Borough Council Location: Chimney Road, Great Bridge, West Bromwich, West Midlands Name: Bagnall Street Industrial Estate Operator Location: Director of Technical Services, PO Box 42, Wigmore, Pennyhill Lane, West Bromwich Boundary Accuracy: As Supplied Provider Reference: EAHLD23720 First Input Date: 31st December 1904 Last Input Date: 31st December 1986 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4600/0209 BGS Ref: Not Supplied Other Ref: 644/837, SL/514, LF/0001	A13SW (NW)	0	1	397941 292930
117	Historical Landfill Sites Licence Holder: Black Country Development Corporation Location: Richmond Street, Great Bridge, West Bromwich, West Midlands Name: Swan Farm Redevelopment Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23665 First Input Date: 31st December 1993 Last Input Date: 25th April 1994 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4600/0244 BGS Ref: Not Supplied Other Ref: 644/1514, SL/1226, SL/1227, SL/1228, 4600/0245, 4600/0246, LF/0024	A8NE (SE)	467	1	398276 292506
118	Historical Landfill Sites Licence Holder: Not Supplied Location: Shaw Street, Golds Hill, West Bromwich, West Midlands Name: Shaw Street Landfill Site Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23667 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Special Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 644/2188, 4600/9105, LF/0055	A19SW (NE)	651	1	398316 293553

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	Historical Landfill Sites Licence Holder: Sandwell Metropolitan Borough Council Location: Tame Road, Tipton, West Midlands Name: Sheepwash Lane Landfill Site Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23716 First Input Date: 1st January 1962 Last Input Date: 31st December 1983 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4600/0056 BGS Ref: Not Supplied Other Ref: SL/434, 4600/0311, 644/94, LF/0008	A8SW (S)	704	1	397768 292178
120	Historical Landfill Sites Licence Holder: Newby Hill Top Foundry Smith Road Landfill Site Location: Smith Road, Wednesbury, West Midlands Name: Newby Hill Top Foundry Smith Road Landfill Site Operator Location: Smith Road, Wednesbury, West Midlands Boundary Accuracy: As Supplied Provider Reference: EAHLD35727 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial, Commercial, Household and Special Waste Type: EA Waste Ref: 40822 Regis Ref: YO1/L/TEN001 WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A18NE (N)	757	1	398184 293724
121	Historical Landfill Sites Licence Holder: Not Supplied Location: West Bromwich, West Midlands Name: Sheepwash Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD31486 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 2825 Other Ref: Not Supplied	A8SW (S)	769	1	397670 292135
122	Historical Landfill Sites Licence Holder: Sandwell Metropolitan Borough Council Location: Tame Road, Tipton, West Midlands Name: Tame Road Allotments Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23717 First Input Date: 31st December 1987 Last Input Date: 31st December 1989 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4600/0109 BGS Ref: Not Supplied Other Ref: SL/70, 644/392, LF/0008	A7SE (SW)	818	1	397535 292136
123	Historical Landfill Sites Licence Holder: Black Country Development Corporation Location: Leabrook Road, Wednesbury, West Midlands Name: Leabrook Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23721 First Input Date: 28th February 1993 Last Input Date: 28th April 1994 Specified Waste: Deposited Waste included Inert, Industrial and Commercial Waste, and Liquid Sludge Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4600/0242 BGS Ref: Not Supplied Other Ref: 644/1499, SL/1229, LF/0012, LF/0019	A18NW (N)	871	1	397842 293857

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	Historical Landfill Sites Licence Holder: Newby Hill Top Foundry Smith Road Landfill Site Location: Smith Road, Wednesbury, West Midlands Name: Newby Hill Top Foundry Smith Road Landfill Site Operator Location: Smith Road, Wednesbury, West Midlands Boundary Accuracy: As Supplied Provider Reference: EAHL35726 First Input Date: 30th April 1990 Last Input Date: 16th February 1993 Specified Waste: Deposited Waste included Inert, Industrial and Special Waste, and Liquid Sludge Type: Sludge EA Waste Ref: 40822 Regis Ref: NBL/LW&M001 WRC Ref: 2900/0018 BGS Ref: Not Supplied Other Ref: NBL/092	A18NE (N)	880	1	398232 293838
125	Historical Landfill Sites Licence Holder: Severn Trent Water Authority Location: Ocker Hill Power Station, Tipton, West Midlands Name: Ocker Hill Lake Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL23722 First Input Date: 31st December 1984 Last Input Date: 10th April 1985 Specified Waste: Deposited Waste included Inert Waste Type: Not Supplied EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4600/0197 BGS Ref: Not Supplied Other Ref: SL/447, 644/763, LF/0056/57/58	A18NE (N)	910	1	398144 293891
126	Historical Landfill Sites Licence Holder: Walsall Conduits Limited Location: Dial Lane, Black Lake, West Bromwich, West Midlands Name: Walsall Conduits Dial Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL23666 First Input Date: 31st December 1929 Last Input Date: 25th January 1990 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: 40804 EA Waste Ref: BD3/LWAL002 Regis Ref: 4600/0002 WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: SL/21, 644/63, LF/0006	A14SE (E)	915	1	398903 292737
127	Historical Landfill Sites Licence Holder: Conexsandra Limited Location: Whitehall Road, Great Bridge, West Bromwich, West Midlands Name: Conex Sanbra Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL23655 First Input Date: 31st December 1979 Last Input Date: 31st March 1992 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: Not Supplied EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4600/0041 BGS Ref: Not Supplied Other Ref: SL/159, 644/55, LF0023	A8SE (S)	987	1	398276 291933
128	Integrated Pollution Control Registered Waste Sites Name: Da Stuart Ltd Location: 216 Great Bridge Street, WEST BROMWICH, West Midlands, B70 0DE Authority: Environment Agency, Midlands Region Permit Reference: BH6621 Dated: 19th May 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.2 A (A) Recovery processes within the Waste Disposal Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address	A9NW (SE)	661	1	398328 292307

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	Integrated Pollution Control Registered Waste Sites Name: Da Stuart Ltd Location: Recycling Division, Great Bridge Street, WEST BROMWICH, West Midlands, B70 0DE Authority: Environment Agency, Midlands Region Permit Reference: BB9822 Dated: 10th December 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.2 A (A) Recovery processes within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	663	1	398323 292302
128	Integrated Pollution Control Registered Waste Sites Name: Da Stuart Ltd Location: 216 Great Bridge Street, WEST BROMWICH, West Midlands, B70 0DE Authority: Environment Agency, Midlands Region Permit Reference: BC5997 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.2 A (A) Recovery processes within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A9NW (SE)	666	1	398328 292302
128	Integrated Pollution Control Registered Waste Sites Name: Da Stuart Ltd Location: 216 Great Bridge Street, WEST BROMWICH, West Midlands, B70 0DE Authority: Environment Agency, Midlands Region Permit Reference: A19460 Dated: 3rd December 1993 Process Type: IPC new application Description: 5.2 A (A) Recovery processes within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A9NW (SE)	668	1	398323 292297
128	Integrated Pollution Control Registered Waste Sites Name: Smallman Lubricants Ltd Location: 216 Great Bridge Street, WEST BROMWICH, West Midlands, B70 0DE Authority: Environment Agency, Midlands Region Permit Reference: AU6056 Dated: 19th January 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.2 A Recovery processes within the Waste Disposal Industry Status: Application has met the requirements for authorisation (but not yet authorised)Not Yet Authorised Positional Accuracy: Automatically positioned to the address	A9NW (SE)	670	1	398328 292297
129	Licensed Waste Management Facilities (Landfill Boundaries) Name: Newby Hill Top Foundry Smith Road Landfill Site Licence Number: 40822 Location: Smith Road, Wednesbury, West Midlands, WS10 0PB Licence Holder: Hill Top Foundry Ltd Authority: Environment Agency - Midlands Region, Central Area Site Category: Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Inactive Issued: 6th April 1978 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A18NE (N)	757	1	398184 293724
130	Licensed Waste Management Facilities (Landfill Boundaries) Name: Newby Hill Top Foundry Smith Road Landfill Site Licence Number: 40822 Location: Smith Road, Wednesbury, West Midlands, WS10 0PB Licence Holder: Hill Top Foundry Ltd Authority: Environment Agency - Midlands Region, Central Area Site Category: Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Inactive Issued: 6th April 1978 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A18NE (N)	880	1	398232 293838

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	Licensed Waste Management Facilities (Landfill Boundaries) Name: Not Supplied Licence Number: 40804 Location: Dial Lane, West Bromwich, West Midlands, B70 0EB Licence Holder: Walsall Conduits Ltd Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Industrial Waste Landfills Max Input Rate: Small (Less than 25,000 tonnes per year) Licence Status: Inactive Issued: 24th January 1978 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A14SE (E)	928	1	398910 292718
132	Licensed Waste Management Facilities (Locations) Licence Number: 42649 Location: Bagnall Street Trading Estate, Chimney Road, Great Bridge, Tipton, West Midlands, DY4 7BY Operator Name: A Smith & Sons Waste Disposal Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Modified Issued: 13th November 1996 Last Modified: 18th May 2000 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (N)	8	1	397968 293002
133	Licensed Waste Management Facilities (Locations) Licence Number: 102040 Location: Robbins Ind Est, Bagnall Street, Great Bridge, Tipton, West Midlands, DY4 7BS Operator Name: Nilwaste Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: WEEE treatment facility Licence Status: Issued Issued: 28th October 2010 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Manually corrected supplier location	A13NE (NE)	195	1	398130 293120
134	Licensed Waste Management Facilities (Locations) Licence Number: 42471 Location: Land / Premises At, Eagle Lane, Great Bridge, Tipton, West Midlands, DY4 7BW Operator Name: Mainline Vehicle Dismantlers Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Issued Issued: 10th November 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	318	1	397589 292783
135	Licensed Waste Management Facilities (Locations) Licence Number: 40103 Location: 82 Pikehelve Street, Golds Green, West Bromwich, West Midlands, B70 0TU Operator Name: Sandra Halloran, Allan Halloran Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Issued Issued: 30th March 2004 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	408	1	398259 293294

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	Licensed Waste Management Facilities (Locations) Licence Number: 42321 Location: Land / Premises At, Pikehelve Street, Hill Top, West Bromwich, West Midlands, B70 0TU Operator Name: Mr Allan Halloran & Sandra Halloran Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Modified Issued: 15th January 1993 Last Modified: 26th June 2000 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	430	1	398260 293322
135	Licensed Waste Management Facilities (Locations) Licence Number: 42602 Location: Keltcrest, Pikehelve Street, West Bromwich, West Midlands, B70 0TU Operator Name: Cartwright Mr H T Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Issued Issued: 26th June 1995 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	447	1	398289 293319
136	Licensed Waste Management Facilities (Locations) Licence Number: 42316 Location: Unit 1, Harrold Street, Great Bridge, Tipton, West Midlands, DY4 0JF Operator Name: Ramsden & Whale Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Material Recycling Treatment Facilities Licence Status: Modified Issued: 15th January 1993 Last Modified: 31st January 2008 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	501	1	397413 293130
137	Licensed Waste Management Facilities (Locations) Licence Number: 100420 Location: 44 Elwell Street, Great Bridge, West Bromwich, West Midlands, B70 0DN Operator Name: T C G Global Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Physical Treatment Facilities Licence Status: Transferred Issued: 20th June 2008 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	509	1	398270 292450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	Licensed Waste Management Facilities (Locations) Licence Number: 102693 Location: Eagle Industrial Estate, Bagnall Street, Great Bridg Operator Name: Serco Limited Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Issued Issued: 12th August 2011 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	587	1	398202 293539
139	Licensed Waste Management Facilities (Locations) Licence Number: 42472 Location: Unit 32, Bridge Road, Great Bridge Ind Est, Tipton, West Midlands, DY4 0HR Operator Name: Drumcare Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Material Recycling Treatment Facilities Licence Status: Issued Issued: 10th November 1993 Last Modified: Not Supplied Expires: 25th November 1999 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	601	1	397345 293232
139	Licensed Waste Management Facilities (Locations) Licence Number: 40019 Location: Unit 32 Great Bridge Ind Est, Bridge Road, Tipton, Dudley, West Midlands, DY4 0HR Operator Name: Drumcare Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Material Recycling Treatment Facilities Licence Status: Modified Issued: 25th November 1999 Last Modified: 4th December 2003 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	617	1	397327 293231
140	Licensed Waste Management Facilities (Locations) Licence Number: 40084 Location: Golds Green House, Shaw Street, West Bromwich, West Midlands, B70 0TX Operator Name: Forkers Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Mobile Plant Licence Status: Modified Issued: 30th August 2002 Last Modified: 4th December 2003 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	655	1	398428 293474

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	Licensed Waste Management Facilities (Locations) Licence Number: 42706 Location: Unit 5, Bridge Street, Great Bridge, Tipton, West Midlands, DY4 0HR Operator Name: D I Y Skip Hire Services Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Issued Issued: 18th August 1997 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	658	1	397257 293155
142	Licensed Waste Management Facilities (Locations) Licence Number: 40325 Location: 89 William Street, Great Bridge, West Bromwich, West Midlands, B70 0BG Operator Name: Russells Waste Management Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Issued Issued: 30th May 2007 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	748	1	398353 292222
143	Licensed Waste Management Facilities (Locations) Licence Number: 41416 Location: 1 Harvills Hawthorn, West Bromwich, West Midlands, B70 0NB Operator Name: Central Waste Oil Collections Limited Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Material Recycling Treatment Facilities Licence Status: Surrendered Issued: 11th September 1984 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 19th November 2012 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	799	1	398739 293247
144	Licensed Waste Management Facilities (Locations) Licence Number: 40804 Location: Dial Lane Landfill Site, Dial Lane, West Bromwich, West Midlands, B70 0EB Operator Name: Walsall Conduits Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Industrial Waste Landfills Licence Status: Surrendered Issued: 24th January 1978 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 1st August 2000 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	971	1	398940 292654
	Local Authority Landfill Coverage Name: Sandwell Metropolitan Borough Council - Has supplied landfill data		0	2	397941 292930
145	Local Authority Recorded Landfill Sites Location: Shaw Street, Golds Hill, West Bromwich, West Midlands Reference: LF0055 Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Last Reported Status: Closed Types of Waste: Fibrous Asbestos Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A19SW (NE)	646	2	398303 293556

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	Local Authority Recorded Landfill Sites Location: Severn Trent Water (River Tame) Reference: LF0058 Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Last Reported Status: Not Supplied Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A18NE (N)	902	2	398163 293879
147	Registered Landfill Sites Licence Holder: J J Gallagher Ltd Licence Reference: SL 90 Site Location: Bagnall Street, Great Bridge, West Bromwich, West Midlands Licence Easting: 398000 Licence Northing: 292750 Operator Location: Armoury Close, Little Green Lane, Bordesley Green, BIRMINGHAM, West Midlands, B9 5BH Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st January 1978 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Constr'N/Demol. Inert/Non-Haz/Non-Tox Excavated Natural Materials \$ Hardcore And Rubble Ind. Inert Waste Prohibited Waste: Empty Used Drums	A13SE (S)	129	1	398000 292750
147	Registered Landfill Sites Licence Holder: Sandwell M.B.C. Licence Reference: SL 514 (563 ?) Site Location: Bagnall Street / Brickhouse Lane(2), Great Bridge, West Bromwich, West Midlands Licence Easting: 398000 Licence Northing: 292700 Operator Location: Box 42, Pennyhill Lane, WEST BROMWICH, West Midlands, B71 3RZ Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1986 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Excavated Material Foundry Sand Hardcore Soil,Subsoil Prohibited Waste: Poisonous, Noxious & Polluting Waste Special Waste	A13SE (S)	179	1	398000 292700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	Registered Landfill Sites Licence Holder: Severn Trent Water Authority Licence Reference: SL 447 Site Location: Ocker Hill Lake, Wednesbury, West Midlands Licence Easting: 397500 Licence Northing: 293400 Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: Not Supplied Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Old Licence - Wastes Not To Hand	A17SE (NW)	571	1	397500 293400
149	Registered Landfill Sites Licence Holder: British Steel Licence Reference: SL 17 Site Location: Prothero Works, Bilport Lane, Wednesbury, West Midlands Licence Easting: 398250 Licence Northing: 293800 Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st April 1978 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Industrial Effluent Treatment Sludge Prohibited Waste: Hazardous Wastes	A18NE (N)	849	1	398250 293800
150	Registered Landfill Sites Licence Holder: Black Country Development Corp'N Licence Reference: SL 1226 Site Location: Swan Farm, Richmond Street / Elwell Street, Great Bridge, West Bromwich, West Midlands Licence Easting: 398800 Licence Northing: 292500 Operator Location: Black Country House, Rounds Green Road, OLDBURY, West Midlands, B69 2DG Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Material Excav. Within Site Prohibited Waste: Liquid Wastes Sludge Wastes Waste N.O.S.	A9NE (SE)	889	1	398800 292500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	Registered Landfill Sites Licence Holder: Black Country Development Corp'N Licence Reference: SL 1228 Site Location: Swan Farm Reclamation, Richmond Street / Elwell Street, Great Bridge, West Bromwich, West Midlands Licence Easting: 398800 Licence Northing: 292500 Operator Location: Black Country House, Rounds Green Road, OLDBURY, West Midlands, B69 2DG Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Material Excav. Within Site Prohibited Waste: Liquid Wastes Sludge Wastes Waste N.O.S.	A9NE (SE)	889	1	398800 292500
150	Registered Landfill Sites Licence Holder: Black Country Development Corp'N Licence Reference: SL 1227 Site Location: Swan Farm S/P, Richardstret / Elwell Street, Great Bridge, West Bromwich, West Midlands Licence Easting: 398800 Licence Northing: 292500 Operator Location: Black Country House, Rounds Green Road, OLDBURY, West Midlands, B69 2DG Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Material Excav. Within Site Prohibited Waste: Liquid Wastes Sludge Wastes Waste N.O.S.	A9NE (SE)	889	1	398800 292500
151	Registered Landfill Sites Licence Holder: Sandwell M.B.C. Licence Reference: SL 70 Site Location: Tame Road Allotment Gardens, Horseley Heath, Tipton, West Midlands Licence Easting: 397300 Licence Northing: 292100 Operator Location: Box 42, Pennyhill Lane, WEST BROMWICH, West Midlands, B71 3RZ Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st April 1980 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Foundry Sand Prohibited Waste: Poisonous, Noxious, Polluting Wastes	A7SE (SW)	973	1	397300 292100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	Registered Landfill Sites Licence Holder: Walsall Conduits Ltd Licence Reference: SL 21 MOD 3 Site Location: Dial Lane, WEST BROMWICH, West Midlands, B70 0EB Licence Easting: 398950 Licence Northing: 292650 Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: Only waste produced on site Restrictions: Status: Licence has completion certificateSurrendered Dated: 24th January 1978 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Brick Rubble Foundry Sand Soil Prohibited Waste: Poisonous, Noxious, Polluting Wastes Waste N.O.S	A14SE (E)	981	1	398950 292650
153	Registered Waste Transfer Sites Licence Holder: A Smith & Sons (Waste Disposal) Licence Reference: SL 2024 MOD 1 Site Location: Bagnall Street Industrial Estate, Chimney Road, Great Bridge, TIPTON, West Midlands, DY4 7BY Operator Location: c/o Nicklin & Sons, Stourbridge Road, HALESOWEN, West Midlands, B63 3TT Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Transfer Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 13th November 1996 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Storage In Licence Non-Haz. H'Hold/Com./Ind.Waste Prohibited Waste: Liquid Wastes Sludge Wastes Waste N.O.S.	A13NE (NE)	0	1	397950 292950
153	Registered Waste Transfer Sites Licence Holder: A Smith & Sons (Waste Disposal) Ltd Licence Reference: SL 2024 Site Location: Bagnall Street Industrial Estate, Chimney Road, Great Bridge, Tipton, West Midlands, Dy4 7bs Operator Location: c/o Nicklin & Co, Stourbridge Road, HALESOWEN, West Midlands, B63 3TT Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Transfer Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 13th November 1996 Preceded By: Not Given Licence: Superseded By: SL 2024 MOD 1 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Old/New/Modified Licence, Wastes Not To Hand	A13NE (NE)	0	1	397950 292950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
154	Registered Waste Transfer Sites Licence Holder: Waste Lubricating Oils Licence Reference: SL 89 Site Location: Harvills Hawthorn, West Bromwich, West Midlands Operator Location: Chemical Lane, Longport, Stoke On Trent, Staffordshire Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1978 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Oil/Water Mixtures	A19SW (NE)	463	1	398305 293325
155	Registered Waste Treatment or Disposal Sites Licence Holder: A Smith & Sons Licence Reference: SL 40 MOD 2 Site Location: Bagnall Sreet Industrial Estate, Great Bridge, WEST BROMWICH, West Midlands, DY4 7BS Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Baling - Compaction Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Com. + Ind. Waste Inert Waste Prohibited Waste: Hazardous Wastes Environment Agency Household Waste must give specific authorisation for this waste to be acceptedWaste requires prior approval	A13SE (E)	106	1	398100 292900
156	Registered Waste Treatment or Disposal Sites Licence Holder: Mainline Vehicle Dismantlers Ltd Licence Reference: SL 1321 MOD 1 Site Location: Eagle Lane, Great Bridge, WEST BROMWICH, West Midlands, DY4 7BW Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Scrapyard Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st November 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Scrap Vehicles Liquids/Sludges Prohibited Waste: Waste N.O.S.	A13SW (W)	266	1	397630 292830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
157	Registered Waste Treatment or Disposal Sites Licence Holder: J & S Simcox Ltd Licence Reference: SL 1079 Site Location: Pikehelve Street, WEST BROMWICH, West Midlands, B70 0TU Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Recycling Drums Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Supplied Authorised Waste: Drums Up To 205 Litre Capacity Max.Storage In Licence Max.Waste Permitted By Licence Prohibited Waste: Waste N.O.S.	A18SE (NE)	376	1	398200 293300
158	Registered Waste Treatment or Disposal Sites Licence Holder: A & S Halloran t/a Goldshill Metals Licence Reference: SL 1116 MOD 1 Site Location: Pikehelve Street, Hill Top, WEST BROMWICH, West Midlands, B70 0TU Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 15th January 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Electric Cable/Wiring Ferrous/Non-Ferrous Metal Maximum Storage In Licence Maximum Waste Permitted By Licence Prohibited Waste: Degradable Household/Commercial/Industrial Waste (As In Post'98 E.A.Lics And Equivalent To 22.09.00) Inert Materials (As In Post'98 E.A.Lics And Equivalent To 21.00.00) Liquid/Sludge/ Wet Wastes Powders Special Waste (As In Epa 1990:S62 Of 1996 Regs) Waste Containing/Contaminated With Oil / Swarf Waste N.O.S.	A19SW (NE)	460	1	398280 293345
158	Registered Waste Treatment or Disposal Sites Licence Holder: H T Cartwright t/a Cartwrights Licence Reference: SL 1419 MOD 1 Site Location: Keltcrest, Pikehelve Street, WEST BROMWICH, West Midlands, B70 0TU Operator Location: 121 Wednesbury Oak Road, TIPTON, West Midlands, DY4 0BD Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 26th June 1995 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Electrical Cable Electrical Equipment Machinery Max.Waste Permitted By Licence Scrap Metal & Swarf Prohibited Waste: Any Metal In Fine Powder Form Elemental Sodium/Potassium Liq/Sludge Except Oil Contam.Swarf Waste N.O.S.	A19SW (NE)	463	1	398305 293325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	Registered Waste Treatment or Disposal Sites Licence Holder: Keltcrest Holdings Ltd Licence Reference: SL 752 Site Location: Keltcrest Ltd, Pikehelve Street, West Bromwich, West Midlands Operator Location: Pikehelve Street, WEST BROMWICH, West Midlands, B70 0TU Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Scrapyard Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1991 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Electrical Cable Scrap Metal & Swarf Vehicle Batteries Prohibited Waste: Any Metal In Fine Powder Form Elemental Sodium Or Potassium Liq/Sludge Other Than Acid In Batt'S Oily Waste Waste N.O.S.	A19SW (NE)	466	1	398309 293326

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	Registered Waste Treatment or Disposal Sites Licence Holder: Ramsden & Whale Ltd Licence Reference: SL 1053 MOD 1 Site Location: Harrold Street, TIPTON, West Midlands, DY4 0JF Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Recycling Drums Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st January 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste Alcohols Aldehydes And Ketones Alkalies Arsenates & Arsenites Cellulose Waste Chocolate/Confectionery Cyanides Detergents Dyes Epoxy Resins (Not Finished Prod'S) Esters Ethers Fluorides Etc Fruit Juices Fuels, Oils, Greases Glue Wastes Halogenated Cleaning Cmpds Hypochlorites And Chlorites Inorganic Acids Interceptor Wastes Latex, Latex/Rubber Sol'Ns/Susp'Ns Max.Waste Permitted By Licence Mineral Processing Wastes Non-Toxic Metal Compounds Other Resins And Polymeric Materials Paints Pharmaceutical/Cosmetic Products Pigments, Inks Polyester Resins (Not Finished Prod'S) Polymeric Material, Products/Scrap Polyurethane Silt And Dredgings Soap Sulphides, Selen'S, Tell'S, Arsen'S Tars Vegetable Oils Water (Contaminated) Waste N.O.S. Environment Agency must give specific authorisation for this waste to be acceptedWaste requires prior approval	A12NE (W)	511	1	397400 293120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	Registered Waste Treatment or Disposal Sites Licence Holder: Drumcare Ltd Licence Reference: 40019 Site Location: Great Bridge Industrial Estate, Unit 32 Bridge Road, Tipton, West Midlands, DY4 0Jg Operator Location: Unit 32 Great Bridge Industrial Estate, Bridge Road, TIPTON, West Midlands, DY4 0JF Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Recycling Drums Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 25th November 1999 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Quality: Good Authorised Waste: Degradable Industrial Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.03) Inert Materials (As In Post'98 E.A.Lics And Equivalent To 21.00.00) Scrap Metal (As In Post'98 E.A.Lics And Equivalent To 23.00.00) Special Waste (As In Epa 1990:S62 Of 1996 Regs) Prohibited Waste: Degradable Commercialwaste (As In Post'98 E.A.Lics & Equivalent To 22.09.02) Degradable Household Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.01) Loose (Unpackaged) Wastes Material With Haz.Code H 1 - Explosive Material With Haz.Code H 9 - Infectious Material With Haz.Code H10 - Teratogenic Material With Haz.Code H11 - Mutagenic Material With Haz.Code H13 - May Yield Leachates With Haz.Code Properties Material With Haz.Code H14 - Ecotoxic Other Waste/Waste Not Otherwise Specified Powders Skip Wastes	A12NE (NW)	568	1	397364 293195

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	Registered Waste Treatment or Disposal Sites Licence Holder: Drumcare Ltd Licence Reference: SL 1332 MOD 2 Site Location: Unit 32 Great Bridge Industrial Estate, Bridge Road, TIPTON, West Midlands, DY4 0JF Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Recycling Drums Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 10th November 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: 25 L Drums Contain.<1%Vol Residues Of Alkalis All Cyanides Borates Cellulose Wastes (Natural/Synth.) Chocolate/Confectionery Distillation Residues Fluorides Etc Fruit Juices Glue Wastes Halogenated Cleaning Cmpds Hypochlorites And Chlorites Inorganic Acids Interceptor Pit Wastes Max.Waste Permitted By Licence Mineral Processing Wastes Nitrates Nitrites Non-Toxic Metal Compounds Paint Waste Pharmaceutical/Cosmetic Products Pigments & Inks Polymeric Materials And Precursors Scrap Rubber (Including Tyres) Silt And Dredgings Soap Soaps & Detergents Sulphides, Selen'S, Tell'S, Arsen'S Tar, Pitch, Bitumen, Asphalts Vegetable And Other Oils Water (Contaminated) Prohibited Waste: Waste N.O.S.	A12NE (NW)	605	1	397340 293230
162	Registered Waste Treatment or Disposal Sites Licence Holder: Do-It-Yourself Skip Hire Services Ltd Licence Reference: SL 1164 Site Location: Unit S Great Bridge Industrial Estate, Bridge Road, TIPTON, West Midlands, DY4 0HR Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st August 1997 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Electrical Cable Electrical Equipment Lead/Acid Batteries Machinery Max.Waste Permitted By Licence Scrap Metal & Swarf Liquid Waste N.O.S. Prohibited Waste: Waste N.O.S.	A12NW (W)	653	1	397260 293150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
163	Registered Waste Treatment or Disposal Sites Licence Holder: Central Waste Oil Collections Licence Reference: SL 466 MOD 1 Site Location: Depot At Harvills Hawthorn Hilltop, West Bromwich, West Midlands Operator Location: 47 Bowman Road, Great Barr, BIRMINGHAM, West Midlands, B42 2RN Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Transfer - with treatment Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 11th September 1984 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Fuels, Oils, Greases Oil/Water Mixtures Environment Agency Carcinogenic Wastes must give specific authorisation for this waste to be acceptedWaste requires prior approval Explosive Waste Medical (Misuse Of Drugs Act) Medical, Surgical, Veterinary Wastes Radioactive Wastes	A14NE (E)	831	1	398775 293240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	Control of Major Accident Hazards Sites (COMAH) Name: Atotech Uk Ltd Location: William Street, WEST BROMWICH, West Midlands, B70 0BE Reference: 4399 Type: Lower Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Automatically positioned to the address	A9SW (SE)	804	4	398395 292181
165	Control of Major Accident Hazards Sites (COMAH) Name: M & T Chemicals Limited Location: William Street, WEST BROMWICH, West Midlands, B70 0BE Reference: Not Supplied Type: Lower Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Automatically positioned to the road within the address	A9SW (SE)	878	4	398400 292100
166	Notification of Installations Handling Hazardous Substances (NIHHS) Name: M & T Chemicals Limited Location: William Street, WEST BROMWICH, West Midlands, B70 0BE Status: Record Ceased To Be Supplied Under NIHHS Regulations (1982) Positional Accuracy: Automatically positioned to the road within the address	A9SW (SE)	884	4	398405 292095
167	Planning Hazardous Substance Consents Name: M & T Harshaw Location: William Street, West Bromwich, West Midlands, B70 0be Authority: Sandwell Metropolitan Borough Council, Planning Department Application Ref: HS/006 Hazardous: Part A, Toxic Substance, Hydrogen fluoride, where amount held is greater than or equal to 10 tonnes Substance: than or equal to 10 tonnes Maximum Quantity: 0 Application date: 23rd November 1992 Decision: Application revoked or cancelledCancelled Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	784	5	398390 292201
167	Planning Hazardous Substance Consents Name: Atotech Uk Ltd Location: William Street, WEST BROMWICH, West Midlands, B70 0BE Authority: Sandwell Metropolitan Borough Council, Planning Department Application Ref: HS/016 Hazardous: Unknown at time of report Substance: Unknown at time of report Maximum Quantity: 0 Application date: 18th October 1999 Decision: Application revoked or cancelledCancelled Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	805	5	398397 292181

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Westphalian and Stephanian, undivided, of Barren Red lithology	A13SW (NW)	0	3	397941 292930
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (W)	0	6	397897 292928
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (NW)	0	6	397941 292930
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	4	6	398000 292930
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	5	6	397941 293000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (NW)	13	6	397903 293000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	20	6	398000 293000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NW (N)	61	6	397913 293053
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (N)	65	6	397915 293054
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (N)	80	6	398000 293073
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (W)	98	6	397787 292901
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (W)	121	6	397771 293000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	129	6	397768 293020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	201	6	397746 293122
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (W)	201	6	397692 293000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	245	6	398182 292720
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	288	6	397628 292759
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (E)	296	6	398279 293000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	308	6	398000 292570

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SE (N)	373	6	398000 293368
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	387	6	398000 292491
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	440	6	398322 292584
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	446	6	397843 292427
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (N)	470	6	397927 293464
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SE (N)	471	6	398000 293466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	472	6	398011 293467
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	497	6	397787 293471
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	552	6	398000 292325
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	593	6	398534 293210
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	681	6	397209 293000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	697	6	397194 292842

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	708	6	397854 293694
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	716	6	397794 293695
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NE (N)	724	6	398000 293719
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	730	6	398063 293720
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	766	6	397587 292168
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	772	6	397629 292145

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NE (N)	819	6	398000 293815
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	820	6	398087 293808
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NE (N)	820	6	397986 293816
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	831	6	397881 293821
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	838	6	398783 293236
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	840	6	398782 293246

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	870	6	397028 292767
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	870	6	397941 292000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	876	6	397758 292005
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	876	6	398000 292000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	877	6	397954 291995
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	879	6	397755 292002

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	880	6	397761 292000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	881	6	397753 292000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	881	6	397755 292000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	887	6	397000 292930
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	889	6	397000 293000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	890	6	398027 291988

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	896	6	397000 292780
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	899	6	397000 292756
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	899	6	397000 292760
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	905	6	396995 292754
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	906	6	397000 292718
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	917	6	396983 292749

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	939	6	398000 291937
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (S)	939	6	398326 292000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A23SE (N)	954	6	398000 293949
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3NE (S)	960	6	398000 291916
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 20 - 40 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	963	6	397482 292000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	977	6	396948 292626

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3NW (S)	990	6	397653 291910
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A23SE (N)	994	6	398000 293988
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	994	6	397415 292000
168	BGS Recorded Mineral Sites Site Name: Golds Hill Brick Works Location: , Golds Hill, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66046 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	41	3	398019 293009
169	BGS Recorded Mineral Sites Site Name: Golds Hill Brick Works Location: , Golds Hill, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66047 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13SE (E)	57	3	398050 292904
170	BGS Recorded Mineral Sites Site Name: Brickhouse Pit Location: , Golds Hill, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66045 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	94	3	398017 292788

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	BGS Recorded Mineral Sites Site Name: Golds Hill Brick Works Location: , Golds Hill, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66044 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13SW (S)	96	3	397911 292775
172	BGS Recorded Mineral Sites Site Name: Great Bridge Location: , Great Bridge, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66005 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	285	3	398264 292781
173	BGS Recorded Mineral Sites Site Name: Goldsgreen Collieries Location: , Golds Green, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66049 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	303	3	398223 293177
174	BGS Recorded Mineral Sites Site Name: Eagle Colliery Location: , Toll End, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66040 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	361	3	397579 293163
175	BGS Recorded Mineral Sites Site Name: Crownmeadow Colliery & Brick Works Location: , Toll End, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66041 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	504	3	397582 293382
175	BGS Recorded Mineral Sites Site Name: Crownmeadow Colliery & Brick Works Location: , Toll End, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66041 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	504	3	397582 293382

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	BGS Recorded Mineral Sites Site Name: Golds Green Brick Works Location: , Golds Green, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66012 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	542	3	398457 293253
177	BGS Recorded Mineral Sites Site Name: Harvills Hawthorn Location: , Harvills Hawthorn, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66006 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Till, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NW (E)	592	3	398553 293146
178	BGS Recorded Mineral Sites Site Name: Goldsgreen Brick Works Location: , Golds Green, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66050 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	599	3	398402 293421
179	BGS Recorded Mineral Sites Site Name: Highmeadow Colliery Location: , Toll End, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66036 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NE (W)	607	3	397280 292946
180	BGS Recorded Mineral Sites Site Name: Swan Farm Brick Works Location: , Harvills Hawthorn, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66051 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14SW (E)	628	3	398592 292680
181	BGS Recorded Mineral Sites Site Name: Horseley Colliery Location: , Horseley Heath, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66011 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SW (W)	659	3	397261 292688

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
182	BGS Recorded Mineral Sites Site Name: Ebenezer Colliery No.1 Location: , Harvills Hawthorn, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66053 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14NE (E)	678	3	398648 293113
183	BGS Recorded Mineral Sites Site Name: Swan Farm Colliery Location: , Harvills Hawthorn, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66052 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	684	3	398599 292557
184	BGS Recorded Mineral Sites Site Name: Tollend Colliery Location: , Ocker Hill, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66042 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NW (NW)	690	3	397621 293620
185	BGS Recorded Mineral Sites Site Name: Goldshill Colliery Location: , Golds Hill, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66048 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NE (N)	770	3	398086 293758
186	BGS Recorded Mineral Sites Site Name: New Town Location: , New Town, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 45530 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8SW (S)	832	3	397837 292040
187	BGS Recorded Mineral Sites Site Name: Canal Brick Works Location: , New Town, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66077 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SW (S)	906	3	397648 291998

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
188	BGS Recorded Mineral Sites Site Name: New Town Location: , New Town, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 45527 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8SE (S)	918	3	397951 291954
189	BGS Recorded Mineral Sites Site Name: Tollend Bluebrick Works Location: , Ocker Hill, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 65764 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	933	3	397294 293701
190	BGS Recorded Mineral Sites Site Name: Ocker Hill Location: , Wednesbury, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 46687 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17NE (N)	940	3	397592 293876
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (NW)	0	7	397941 292930
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (NW)	0	-	397941 292930
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	3	397941 292930
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	3	397941 292930
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	3	397897 292928
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	98	3	397788 292901
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	3	397980 292920
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	3	397941 292930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	3	397941 292930
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	3	397941 292930
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	3	397897 292928
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	3	397941 292930
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	98	3	397788 292901
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	201	3	397746 293123
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	244	3	398182 292721
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	3	397941 292930
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	3	397941 292930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	Contemporary Trade Directory Entries Name: Glanbia Fresh Meats (UK) Ltd Location: George Henry Road, Tipton, West Midlands, DY4 7BZ Classification: Meat - Wholesale Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	36	-	398022 292952
191	Contemporary Trade Directory Entries Name: Tulip Ltd Location: George Henry Road, Tipton, West Midlands, DY4 7BZ Classification: Meat - Wholesale Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	36	-	398022 292952
192	Contemporary Trade Directory Entries Name: Aquila Truck Centres Location: Chimney Road, Tipton, West Midlands, DY4 7BY Classification: Commercial Vehicle Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (S)	49	-	397958 292827
193	Contemporary Trade Directory Entries Name: Charter Castings Ltd Location: Bagnall Street, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	81	-	398027 293062
194	Contemporary Trade Directory Entries Name: Boden Clark Location: George Henry Road, Tipton, West Midlands, DY4 7BZ Classification: Furnaces Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	92	-	398086 292860
194	Contemporary Trade Directory Entries Name: Care Cargo International Location: George Henry Rd, Tipton, West Midlands, DY4 7BZ Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	126	-	398107 292820
195	Contemporary Trade Directory Entries Name: Hygiene Group Location: George Henry Rd, Tipton, West Midlands, DY4 7BZ Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NE (E)	101	-	398090 292936
196	Contemporary Trade Directory Entries Name: Dac Handling Solutions Location: George Henry Road, Tipton, West Midlands, DY4 7BZ Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	103	-	398071 292807
197	Contemporary Trade Directory Entries Name: Actuator Control Systems Location: Unit B2, Link One Industrial Park, George Henry Road, Tipton, West Midlands, DY4 7BU Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	120	-	398032 292765
197	Contemporary Trade Directory Entries Name: Cromwell Ltd Location: B1-B2, Unit, Link One Industrial Park, George Henry Road, Tipton, West Midlands, DY4 7BU Classification: Distribution Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	137	-	398036 292748
198	Contemporary Trade Directory Entries Name: Second City Window & Door Manufacturers Ltd Location: Link One Industrial Park, George Henry Road, TIPTON, West Midlands, DY4 7BU Classification: Window Frame Manufacturers' Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	145	-	398140 292860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
199	Contemporary Trade Directory Entries Name: Toolstation Location: Olympus Drive, Great Bridge, Tipton, West Midlands, DY4 7HY Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	159	-	397903 292712
200	Contemporary Trade Directory Entries Name: Charter Castings Location: Bagnall Street, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Non-Ferrous Metals Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	166	-	398082 293126
201	Contemporary Trade Directory Entries Name: Kaye Hinchliffe Location: A3-A4, Unit, Link One Industrial Park, George Henry Road, Tipton, West Midlands, DY4 7BU Classification: Aluminium Fabricators Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	176	-	398143 292783
201	Contemporary Trade Directory Entries Name: Kohbi Industries Location: Unit A5, Link One Ind Pk, George Henry Rd, Tipton, West Midlands, DY4 7BU Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	217	-	398190 292782
202	Contemporary Trade Directory Entries Name: Ervin Amasteel Location: George Henry Road, Tipton, West Midlands, DY4 7BZ Classification: Abrasive Products - Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	210	-	398194 292983
202	Contemporary Trade Directory Entries Name: Servacrane Ltd Location: George Henry Road, Tipton, West Midlands, DY4 7BZ Classification: Crane Hire, Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	210	-	398194 292983
203	Contemporary Trade Directory Entries Name: Olympus Distribution Ltd Location: Olympus Drive, Great Bridge, Tipton, West Midlands, DY4 7HY Classification: Nuts, Bolts & Fixings Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	214	-	397935 292659
204	Contemporary Trade Directory Entries Name: Toyota Handling Location: 9A, Link One Ind Pk, George Henry Rd, Tipton, West Midlands, DY4 7BU Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (E)	217	-	398210 292842
204	Contemporary Trade Directory Entries Name: Toyota Handling Location: Unit A9, Link One Ind Pk, George Henry Rd, Tipton, West Midlands, DY4 7BU Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (E)	217	-	398210 292842
205	Contemporary Trade Directory Entries Name: Aeroplas (Uk) Ltd Location: Great Western Way, Tipton, West Midlands, DY4 7AB Classification: Plastics - Injection Moulding Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	223	-	397713 292742
206	Contemporary Trade Directory Entries Name: Narrow Aisle Ltd Location: Great Western Way, Great Bridge, Tipton, West Midlands, DY4 7AU Classification: Fork Lift Trucks Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	242	-	397795 292650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	Contemporary Trade Directory Entries Name: Mastertrade Supplies Location: Unit 1, Navigation Point, Waterside Park, Golds Hill Way, Tipton, West Midlands, DY4 0PU Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	248	-	397889 293235
208	Contemporary Trade Directory Entries Name: Tidy Cars Ltd Location: Robbins Business Park, Bagnall Street, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	264	-	398170 293180
208	Contemporary Trade Directory Entries Name: Wrafter Haulage Location: Central House, Robbins Business Park, Bagnall Street, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	264	-	398170 293180
208	Contemporary Trade Directory Entries Name: H R Metals Ltd Location: Bagnall St, West Bromwich, West Midlands, B70 0UA Classification: Non-Ferrous Metals Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	294	-	398179 293212
208	Contemporary Trade Directory Entries Name: Business Supplies Location: Unit 12, Eagle Ind Est, Bagnall St, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Fork Lift Trucks Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	299	-	398153 293240
208	Contemporary Trade Directory Entries Name: Kingsland Engineering Location: Unit 9, Eagle Industrial Estate, Bagnall Street, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	299	-	398153 293240
208	Contemporary Trade Directory Entries Name: Business Supplies Location: Unit 12, Eagle Industrial Estate, Bagnall St, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	299	-	398153 293240
209	Contemporary Trade Directory Entries Name: The Traditional Tile Co Location: Unit A6, Link One Industrial Park, George Henry Road, Tipton, West Midlands, DY4 7BU Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	267	-	398233 292756
209	Contemporary Trade Directory Entries Name: West Midland Automation Ltd Location: Unit A7, Link One Industrial Park, George Henry Road, Tipton, West Midlands, DY4 7BU Classification: Automation Systems & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	275	-	398233 292741
210	Contemporary Trade Directory Entries Name: Titgemeyer Location: Unit A2, Link One Industrial Park, George Henry Road, Tipton, West Midlands, DY4 7BU Classification: Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	279	-	398172 292663

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
210	Contemporary Trade Directory Entries Name: Sani (Uk) Ltd Location: Unit 1-A1, Link One Industrial Park, George Henry Road, TIPTON, West Midlands, DY4 7BU Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	294	-	398200 292667
211	Contemporary Trade Directory Entries Name: Cargo Carriers Location: Bagnall Street, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	283	-	398013 293277
211	Contemporary Trade Directory Entries Name: Hardings Machinery Ltd Location: Unit 12A, Eagle Ind Est, Bagnall St, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (N)	325	-	398035 293316
211	Contemporary Trade Directory Entries Name: Total Lifting Solutions Location: Unit 12, Eagle Ind Est, Bagnall St, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (N)	343	-	398040 293333
212	Contemporary Trade Directory Entries Name: Signature Hardware Location: 7, Crownmeadow Drive, Tipton, West Midlands, DY4 0LE Classification: Hardware Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	287	-	397616 293064
213	Contemporary Trade Directory Entries Name: Morrells Woodfinishers Location: 6, navigation point, Golds Hill Way, Tipton, West Midlands, DY4 0PU Classification: Paint Varnish & Lacquer Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (N)	288	-	397834 293268
214	Contemporary Trade Directory Entries Name: E H M (Uk) Ltd Location: Unit 10, Eagle Industrial Estate, Bagnall Street, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A13NE (NE)	290	-	398086 293265
215	Contemporary Trade Directory Entries Name: Central Car Clearance Location: 85, New Road, Tipton, West Midlands, DY4 7BX Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	319	-	397581 292806
215	Contemporary Trade Directory Entries Name: Bicknells Location: 85, New Road, Tipton, West Midlands, DY4 7BX Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	319	-	397581 292806
215	Contemporary Trade Directory Entries Name: Bicknells Vauxhall Location: 85, New Road, Tipton, West Midlands, DY4 7BX Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	319	-	397581 292806
216	Contemporary Trade Directory Entries Name: Midland Building Products Ltd Location: Unit 10, Spartan Industrial Centre, Brickhouse Lane, West Bromwich, West Midlands, B70 0DH Classification: Door Manufacturers - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	335	-	398312 292767

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	Contemporary Trade Directory Entries Name: Sterling Products Ltd Location: Richmond Street, West Bromwich, West Midlands, B70 0DD Classification: Commercial Vehicle & Car Cleaning Equipment & Supplies Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	366	-	398332 292732
217	Contemporary Trade Directory Entries Name: Diamond Auto Centre Ltd Location: 33, Brickhouse Lane South, Tipton, West Midlands, DY4 7HJ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	347	-	397919 292524
217	Contemporary Trade Directory Entries Name: Elwell Turned Parts Ltd Location: 33, Brickhouse Lane South, Tipton, West Midlands, DY4 7HJ Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	347	-	397919 292524
217	Contemporary Trade Directory Entries Name: 4 Tyres Location: 33, Brickhouse Lane South, Tipton, West Midlands, DY4 7HJ Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	347	-	397919 292524
218	Contemporary Trade Directory Entries Name: Perkins Location: Eagle Ind Est,Bagnall St, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (NE)	352	-	398120 293318
218	Contemporary Trade Directory Entries Name: Aef International Location: Eagle Ind Est,Bagnall St, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (NE)	360	-	398108 293332
219	Contemporary Trade Directory Entries Name: Talk N Talk Location: 81, Great Bridge, Tipton, West Midlands, DY4 7AY Classification: Mobile Phone Accessories and Car Kits Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	354	-	397848 292519
220	Contemporary Trade Directory Entries Name: Oakham Sheet Metals Ltd Location: Brickhouse Lane, West Bromwich, West Midlands, B70 0DS Classification: Sheet Metal Work Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	364	-	398307 292690
220	Contemporary Trade Directory Entries Name: Millennium Door Systems Ltd Location: Spartan Ind Centre,Brickhouse La, West Bromwich, West Midlands, B70 0DH Classification: Door Manufacturers - Industrial Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14SW (SE)	368	-	398324 292712
221	Contemporary Trade Directory Entries Name: Construct & Cookwares Ltd Location: Avenir House, Bagnall Street, Golds Hill, West Bromwich, West Midlands, B70 0TS Classification: Wire Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A13NE (NE)	369	-	398256 293241
222	Contemporary Trade Directory Entries Name: T R Fastenings Ltd Location: Waterside Park, Golds Hill Way, Tipton, West Midlands, DY4 0WP Classification: Fasteners & Fixing Devices Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	369	-	397916 293360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
222	Contemporary Trade Directory Entries Name: T R Fastenings Ltd Location: Waterside Park, Golds Hill Way, Tipton, West Midlands, DY4 0WP Classification: Fasteners & Fixing Devices Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	369	-	397916 293360
223	Contemporary Trade Directory Entries Name: G & P Fascias Location: 5, Bramah Way, Tipton, West Midlands, DY4 7BD Classification: Fascias and Soffits Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	379	-	397567 292680
224	Contemporary Trade Directory Entries Name: Dawes Tool & Engineering Location: Unit 19, Spartan Industrial Centre, Brickhouse Lane, West Bromwich, West Midlands, B70 0DH Classification: Tool Design, Manufacturers & Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	386	-	398345 292716
224	Contemporary Trade Directory Entries Name: R Small & Son Ltd Location: Unit 15, Spartan Ind Centre, Brickhouse La, West Bromwich, West Midlands, B70 0DH Classification: Precision Engineers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	387	-	398357 292740
224	Contemporary Trade Directory Entries Name: Ptw Mouldings Ltd Location: Spartan Industrial Centre, Brickhouse Lane, West Bromwich, West Midlands, B70 0DH Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A14SW (E)	391	-	398368 292760
224	Contemporary Trade Directory Entries Name: C A B Joinery Services Ltd Location: Unit 16/17, Spartan Industrial Centre, Brickhouse Lane, West Bromwich, West Midlands, B70 0DH Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	410	-	398384 292746
225	Contemporary Trade Directory Entries Name: E Mayes Electrical Ltd Location: 69, Great Bridge, Tipton, West Midlands, DY4 7HF Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	393	-	397885 292477
225	Contemporary Trade Directory Entries Name: Pace Location: 59a, Great Bridge, Tipton, West Midlands, DY4 7HF Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	407	-	397907 292464
225	Contemporary Trade Directory Entries Name: Express Dry Cleaners Location: 55, Great Bridge, Tipton, West Midlands, DY4 7HF Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	416	-	397915 292454
225	Contemporary Trade Directory Entries Name: Vac Power Services Location: 51, Great Bridge, Tipton, West Midlands, DY4 7HF Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	426	-	397924 292445
226	Contemporary Trade Directory Entries Name: Maize Metals Ltd Location: Pikehelve St, West Bromwich, West Midlands, B70 0TU Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	399	-	398250 293290

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
226	Contemporary Trade Directory Entries Name: The Cubra Casting Co Ltd Location: Pikehelve Street, West Bromwich, West Midlands, B70 0TU Classification: Foundries Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	400	-	398251 293290
226	Contemporary Trade Directory Entries Name: Golds Hill Metals Location: Pikehelve Street, West Bromwich, West Midlands, B70 0TU Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	400	-	398251 293290
226	Contemporary Trade Directory Entries Name: J & S Simcox Ltd Location: Pikehelve Street, West Bromwich, West Midlands, B70 0TU Classification: Drums, Kegs, Barrels & Casks Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	400	-	398251 293290
226	Contemporary Trade Directory Entries Name: Golds Hill Metals Location: Pikehelve Street, West Bromwich, West Midlands, B70 0TU Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	400	-	398251 293290
226	Contemporary Trade Directory Entries Name: Fids Paint Refinishers Location: Pikehelve St, West Bromwich, West Midlands, B70 0TU Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	432	-	398253 293330
227	Contemporary Trade Directory Entries Name: Writ Exterior Lighting Ltd Location: Waterside Park, Golds Hill Way, Tipton, West Midlands, DY4 0PU Classification: Lighting Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	404	-	397845 293387
228	Contemporary Trade Directory Entries Name: Gtc Auto Repairs Location: Unit Q, Toll End Road, TIPTON, West Midlands, DY4 0HF Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	418	-	397472 292993
229	Contemporary Trade Directory Entries Name: Highspeed Engineering Ltd Location: Unit 22, Spartan Industrial Centre, Brickhouse Lane, West Bromwich, West Midlands, B70 0DH Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	425	-	398375 292685
229	Contemporary Trade Directory Entries Name: Ranger Hydraulics Location: Unit 23, Spartan Ind Centre, Brickhouse La, West Bromwich, West Midlands, B70 0DH Classification: Hydraulic Systems & Equipment Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	444	-	398399 292694
229	Contemporary Trade Directory Entries Name: Highspeed Freight Location: Unit 23, Spartan Industrial Centre, Brickhouse Lane, West Bromwich, West Midlands, B70 0DH Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	444	-	398399 292694
229	Contemporary Trade Directory Entries Name: Spintec Metal Spinning Ltd Location: Unit 23, Spartan Industrial Centre, Brickhouse Lane, West Bromwich, West Midlands, B70 0DH Classification: Metal Spinners Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	444	-	398399 292694

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
229	Contemporary Trade Directory Entries Name: P & G Distribution Location: Unit 6/11, Spartan Industrial Centre, Brickhouse Lane, West Bromwich, West Midlands, B70 0DH Classification: Distribution Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	446	-	398396 292681
229	Contemporary Trade Directory Entries Name: Steelway Brickhouse Location: Brickhouse La, West Bromwich, West Midlands, B70 0DY Classification: Fencing Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	452	-	398404 292685
230	Contemporary Trade Directory Entries Name: Aalco Tube Centre Ltd Location: Waterside Pk, Golds Hill Way, Tipton, West Midlands, DY4 0PU Classification: Metal Finishing Equipment Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SW (N)	429	-	397915 293420
231	Contemporary Trade Directory Entries Name: Wednesbury Logistic Services Location: 84 Pikehelve St, West Bromwich, West Midlands, B70 0TU Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	435	-	398238 293346
231	Contemporary Trade Directory Entries Name: Pureflow Brassware Location: Unit 1, Pikehelve St, West Bromwich, West Midlands, B70 0TU Classification: Bathroom Fixtures - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	435	-	398238 293346
231	Contemporary Trade Directory Entries Name: Uk Architectural Ltd Location: Unit 1A, Pikehelve St, West Bromwich, West Midlands, B70 0TU Classification: Aluminium Fabricators Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	438	-	398234 293352
231	Contemporary Trade Directory Entries Name: London Hoist Co Location: 2, Pikehelve Street, West Bromwich, West Midlands, B70 0TU Classification: Lifting Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	467	-	398253 293375
232	Contemporary Trade Directory Entries Name: D F S Location: 34, St. Pauls Crescent, West Bromwich, West Midlands, B70 0TR Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	435	-	398327 293259
232	Contemporary Trade Directory Entries Name: Great Bridge Welding Co Location: Bagnall Street, Golds Hill, WEST BROMWICH, West Midlands, B70 0TS Classification: Metal Products - Fabricated Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	467	-	398328 293307
233	Contemporary Trade Directory Entries Name: Leamore Polishing Location: 80 Pikehelve St, West Bromwich, West Midlands, B70 0TU Classification: Metal Finishing Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	450	-	398182 293398
233	Contemporary Trade Directory Entries Name: Harvey'S Mot & Services Centre Ltd Location: 80a, Pikehelve Street, West Bromwich, West Midlands, B70 0TU Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	451	-	398182 293399

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
234	Contemporary Trade Directory Entries Name: Fastpack 2000 Location: Unit 5-7, Eagle Industrial Estate, Bagnall Street, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Distribution Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (N)	466	-	398144 293431
235	Contemporary Trade Directory Entries Name: Steelway Brickhouse Location: Brickhouse La, West Bromwich, West Midlands, B70 0DY Classification: Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	471	-	398427 292690
235	Contemporary Trade Directory Entries Name: Steel Way Brick House Location: Brickhouse Lane, West Bromwich, West Midlands, B70 0DY Classification: Manhole Cover Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	485	-	398431 292664
236	Contemporary Trade Directory Entries Name: Counterplas Ltd Location: 1-3, Spartan Industrial Centre, Brickhouse Lane, West Bromwich, West Midlands, B70 0DH Classification: Plastics - Injection Moulding Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	472	-	398455 292771
237	Contemporary Trade Directory Entries Name: Jarvis Scaffolding Ltd Location: Construction House, Toll End Road, Tipton, West Midlands, DY4 0HW Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	474	-	397456 293169
238	Contemporary Trade Directory Entries Name: S J Motor Repairs Ltd Location: Meeting Street, Tipton, West Midlands, DY4 7AN Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	475	-	397579 292516
238	Contemporary Trade Directory Entries Name: Round Oak Motor Services Ltd Location: Meeting Street, Tipton, West Midlands, DY4 7AN Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	475	-	397579 292516
238	Contemporary Trade Directory Entries Name: Great Bridge Car Centre Location: Meeting Street, Tipton, West Midlands, DY4 7AN Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	475	-	397579 292516
238	Contemporary Trade Directory Entries Name: West Midlands Car Centre Location: Meeting Street, Tipton, West Midlands, DY4 7AN Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	475	-	397579 292516
238	Contemporary Trade Directory Entries Name: G & J Testing & Servicing Ltd Location: Meeting St, Tipton, West Midlands, DY4 7AN Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	475	-	397579 292516
238	Contemporary Trade Directory Entries Name: Round Oak Motor Co Location: Meeting St, Tipton, West Midlands, DY4 7AN Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	512	-	397547 292494

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
239	Contemporary Trade Directory Entries Name: G J J Repairs Location: 29-30, Market Place, Great Bridge, Tipton, West Midlands, DY4 7EJ Classification: Jewellery Manufacturers & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	480	-	397648 292459
239	Contemporary Trade Directory Entries Name: W & D Fire Surrounds Ltd Location: 29-30, Market Place, Great Bridge, Tipton, West Midlands, DY4 7EJ Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	480	-	397648 292459
240	Contemporary Trade Directory Entries Name: Building Resin Systems Ltd Location: Princess Works, Unit 2-3 Harrold St, Tipton, West Midlands, DY4 0JF Classification: Floorcoverings - Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	493	-	397415 293107
240	Contemporary Trade Directory Entries Name: Ramsden & Whale Ltd Location: Unit 1, Harrold Street, Tipton, West Midlands, DY4 0JF Classification: Drums, Kegs, Barrels & Casks Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	532	-	397383 293137
240	Contemporary Trade Directory Entries Name: Ramsden Steel Drums Ltd Location: Unit 1, Harrold Street, Tipton, West Midlands, DY4 0JF Classification: Drums, Kegs, Barrels & Casks Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (W)	532	-	397383 293137
241	Contemporary Trade Directory Entries Name: Ccg Laminating Location: 22, Fisher Street, Great Bridge, Tipton, West Midlands, DY4 7ER Classification: Lamination & Encapsulation Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	501	-	397856 292371
241	Contemporary Trade Directory Entries Name: Ace Clearances Location: 31, Slater Street, Great Bridge, Tipton, West Midlands, DY4 7EY Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	546	-	397873 292324
242	Contemporary Trade Directory Entries Name: Tcg Global Location: 44, Elwell Street, West Bromwich, West Midlands, B70 0DN Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	508	-	398283 292460
242	Contemporary Trade Directory Entries Name: Bcd Cold Rolled Strip Ltd Location: Elwell Street, West Bromwich, West Midlands, B70 0DL Classification: Steel Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	508	-	398283 292460
242	Contemporary Trade Directory Entries Name: T C G Europe Location: 44, Elwell Street, West Bromwich, West Midlands, B70 0DN Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	508	-	398283 292460
243	Contemporary Trade Directory Entries Name: Cathedral Bathrooms Location: 25, Fisher Street, Great Bridge, Tipton, West Midlands, DY4 7ER Classification: Bathroom Fixtures - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	510	-	397802 292369
244	Contemporary Trade Directory Entries Name: Bmi Dudley Location: Unit 7, Navigation Point, Golds Hill Way, Tipton, West Midlands, DY4 0PU Classification: Hydraulic Engineers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	513	-	397811 293492

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
245	Contemporary Trade Directory Entries Name: Demtex Engineering Location: Richmond St South, West Bromwich, West Midlands, B70 0DG Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	514	-	398243 292428
245	Contemporary Trade Directory Entries Name: L & B Forklifts Location: Richmond St South, West Bromwich, West Midlands, B70 0DG Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	525	-	398240 292414
245	Contemporary Trade Directory Entries Name: Cranford Engineering Location: Unit 4, Richmond St South, West Bromwich, West Midlands, B70 0DG Classification: Electric Motor Sales & Service Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	539	-	398234 292395
246	Contemporary Trade Directory Entries Name: A & M Metals Location: Unit 5, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	518	-	397426 293209
246	Contemporary Trade Directory Entries Name: G T C Auto Repairs Location: Unit 3, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	526	-	397425 293226
246	Contemporary Trade Directory Entries Name: Industrial Truck & Machinery Services Ltd Location: Unit 1, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	535	-	397420 293236
246	Contemporary Trade Directory Entries Name: I T M S Location: Unit 1, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	535	-	397421 293237
246	Contemporary Trade Directory Entries Name: Arte Engineering Co Location: Unit 8, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	541	-	397404 293217
246	Contemporary Trade Directory Entries Name: Express Transmissions Location: Unit 28E, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Gearboxes Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	584	-	397376 293257
247	Contemporary Trade Directory Entries Name: Kevin Smith Location: Care Of H R Metals, Bagnall St, Golds Hill, West Bromwich, West Midlands, B70 0TW Classification: Engineering Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	525	-	398382 293334
248	Contemporary Trade Directory Entries Name: Kristi Kremer Location: Unit 10, Black Country Park, Great Bridge St, West Bromwich, West Midlands, B70 0EN Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	528	-	398101 292362

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
249	Contemporary Trade Directory Entries Name: Birmingham Caravan Services Location: Site D, Eagle Ind Est, Bagnall St, Great Bridge, Tipton, West Midlands, DY4 7BS Classification: Caravans - Servicing & Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	533	-	398126 293508
250	Contemporary Trade Directory Entries Name: West Midlands Motors Ltd Location: 119 Horseley Heath, Tipton, West Midlands, DY4 7AH Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	540	-	397561 292446
251	Contemporary Trade Directory Entries Name: Aquila Networks Ltd Location: Toll End Rd, Tipton, West Midlands, DY4 0HH Classification: Electricity Companies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	544	-	397436 293280
251	Contemporary Trade Directory Entries Name: Flowcon Location: Toll End Rd, Tipton, West Midlands, DY4 0HG Classification: Ventilators & Ventilation Systems Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	546	-	397435 293282
252	Contemporary Trade Directory Entries Name: Bag Market Ltd Location: Richmond Street, West Bromwich, West Midlands, B70 0DD Classification: Packaging Materials Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	554	-	398465 292583
253	Contemporary Trade Directory Entries Name: Adwin (Spring Co) Ltd Location: 31, Elwell Street, West Bromwich, West Midlands, B70 0DW Classification: Spring Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	555	-	398333 292438
253	Contemporary Trade Directory Entries Name: Morris Springs Location: 31, Elwell Street, West Bromwich, West Midlands, B70 0DW Classification: Spring Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	555	-	398333 292438
254	Contemporary Trade Directory Entries Name: Rmjm Location: Unit 15, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	558	-	397388 293222
254	Contemporary Trade Directory Entries Name: Trade Supplies Location: Unit C, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Air Conditioning Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (NW)	564	-	397378 293217
254	Contemporary Trade Directory Entries Name: L B Autos Location: Unit 20, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	571	-	397363 293199
254	Contemporary Trade Directory Entries Name: A & W Precision Tools Ltd Location: Unit 21, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Tool Design, Manufacturers & Makers Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	583	-	397358 293217

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
254	Contemporary Trade Directory Entries Name: Drumcare Ltd Location: Unit 32 Bridge Road, Tipton, West Midlands, DY4 0JG Classification: Drums, Kegs, Barrels & Casks Status: Active Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	586	-	397349 293202
254	Contemporary Trade Directory Entries Name: Trimtex Fabrics Ltd Location: Unit 34, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	600	-	397326 293182
254	Contemporary Trade Directory Entries Name: H'S Tyres Location: Unit q, Great Bridge Ind Est, Tipton, West Midlands, DY4 0HR Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	607	-	397342 293240
254	Contemporary Trade Directory Entries Name: Unimetal Products Components Ltd Location: Unit 35, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Metal Workers Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (W)	612	-	397312 293179
255	Contemporary Trade Directory Entries Name: James W Shenton Ltd Location: Tinsley Street, Tipton, West Midlands, DY4 7LQ Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	565	-	398040 292316
255	Contemporary Trade Directory Entries Name: T Norton Location: Tinsley Street, Tipton, West Midlands, DY4 7LQ Classification: Machine Tools - Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	565	-	398040 292316
255	Contemporary Trade Directory Entries Name: R & P Repairs Location: Unit B, Tinsley St, Tipton, West Midlands, DY4 7LH Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	606	-	398036 292274
255	Contemporary Trade Directory Entries Name: R & P Repairs Location: Unit b, Tinsley St, Tipton, West Midlands, DY4 7LH Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	606	-	398036 292274
255	Contemporary Trade Directory Entries Name: First Choice Fleet Centre Location: 1, Tinsley St, Great Bridge, Tipton, West Midlands, DY4 7LH Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	610	-	398037 292270
256	Contemporary Trade Directory Entries Name: Midland Building Plastics Location: Unit 3, Richmond Street South, West Bromwich, West Midlands, B70 0DG Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	583	-	398402 292460
257	Contemporary Trade Directory Entries Name: Radcon Radiator Services Location: Unit 29, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Car Radiator Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	591	-	397368 293255
257	Contemporary Trade Directory Entries Name: P & J Tyres Location: Unit E Great Bridge Ind Est, Tipton, West Midlands, DY4 0JL Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	602	-	397359 293263

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
257	Contemporary Trade Directory Entries Name: Midland Motor Components Location: Unit 30, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Car Component Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	618	-	397337 293256
257	Contemporary Trade Directory Entries Name: A J N Vehicle Services Location: Unit 30, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	618	-	397337 293256
257	Contemporary Trade Directory Entries Name: A B Autos Location: 64 Bridge Rd, Tipton, West Midlands, DY4 0JL Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	650	-	397325 293301
257	Contemporary Trade Directory Entries Name: Tiger Craft Location: 64, Bridge Road, Tipton, West Midlands, DY4 0JL Classification: Metal Products - Fabricated Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	650	-	397325 293302
258	Contemporary Trade Directory Entries Name: Swift Abrasive Wheels Location: Toll End Road, Tipton, West Midlands, DY4 0HF Classification: Abrasive Products - Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	593	-	397430 293355
258	Contemporary Trade Directory Entries Name: Swift & Whitmore Ltd Location: 206, Toll End Road, Tipton, West Midlands, DY4 0HF Classification: Abrasive Products - Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	614	-	397402 293354
259	Contemporary Trade Directory Entries Name: Welburn Transport Location: 1, Hackett Street, Tipton, West Midlands, DY4 0JJ Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (W)	597	-	397303 293084
260	Contemporary Trade Directory Entries Name: Great Bridge Tyres Location: 183, Great Bridge Street, West Bromwich, West Midlands, B70 0DJ Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	600	-	398312 292369
260	Contemporary Trade Directory Entries Name: Cooper Coated Coil Ltd Location: Great Bridge Street, West Bromwich, West Midlands, B70 0DJ Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	600	-	398312 292369
261	Contemporary Trade Directory Entries Name: Petes Autos & Tyreland Location: 232 Whitehall Rd, Great Bridge/, West Bromwich, West Midlands, B70 0HG Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	601	-	397984 292275
261	Contemporary Trade Directory Entries Name: Ultra Carpet And Upholstery Cleaning Location: Unit 4, Tinsley Street, Tipton, West Midlands, DY4 7LH Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	616	-	398003 292262
262	Contemporary Trade Directory Entries Name: E R I Ltd Location: Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (W)	604	-	397309 293143

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
262	Contemporary Trade Directory Entries Name: Jerseytex Ltd Location: Unit 82, Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Clothing & Fabrics - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (W)	636	-	397284 293173
262	Contemporary Trade Directory Entries Name: Hengelmolen Engineering Ltd Location: Great Bridge Industrial Estate, Tipton, West Midlands, DY4 0HR Classification: Furnaces Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (W)	641	-	397282 293181
262	Contemporary Trade Directory Entries Name: N G Johnson Ltd Location: Bridge Road, Tipton, West Midlands, DY4 0JL Classification: Furnaces Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (NW)	642	-	397298 293227
262	Contemporary Trade Directory Entries Name: Johnson Refractories Ltd Location: Bridge Road, Tipton, West Midlands, DY4 0JL Classification: Refractory Materials & Supplies Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (NW)	642	-	397298 293227
262	Contemporary Trade Directory Entries Name: Autoworld Service Centre Location: Bridge Road, Tipton, West Midlands, DY4 0JL Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (NW)	642	-	397298 293227
262	Contemporary Trade Directory Entries Name: Woodnthings Location: Bridge Road, Tipton, West Midlands, DY4 0JL Classification: Picture & Picture Frame Renovating & Restoring Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (NW)	642	-	397298 293227
263	Contemporary Trade Directory Entries Name: Premier Towing Centre Location: Unit 15, Whitehall Industrial Park, Whitehall Road, Tipton, West Midlands, DY4 7JY Classification: Caravans - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	613	-	398108 292277
264	Contemporary Trade Directory Entries Name: N A B Boxing Location: 18A Lewis St, Tipton, West Midlands, DY4 7EB Classification: Sports Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	627	-	397570 292334
265	Contemporary Trade Directory Entries Name: Uk Tyres Location: 232 Whitehall Rd, Tipton, West Midlands, DY4 7EX Classification: Tyre Dealers Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	631	-	397986 292245
265	Contemporary Trade Directory Entries Name: East West Travel Ltd Location: Unit 3, Tinsley St, Tipton, West Midlands, DY4 7LH Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SE (S)	658	-	398040 292222
265	Contemporary Trade Directory Entries Name: Central Express Windows Ltd Location: Tinsley Street, Tipton, West Midlands, DY4 7LH Classification: PVC-U Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	664	-	398025 292215

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
265	Contemporary Trade Directory Entries Name: Coloured Door Specialists Ltd Location: Tinsley Street, Tipton, West Midlands, DY4 7LH Classification: PVC-U Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	664	-	398025 292215
265	Contemporary Trade Directory Entries Name: At Commercials Location: Unit 1, Tinsley Street, Tipton, West Midlands, DY4 7LH Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	666	-	398014 292212
265	Contemporary Trade Directory Entries Name: Great Bridge Service Station Location: 232 Whitehall Rd, Tipton, West Midlands, DY4 7EX Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	693	-	398006 292184
266	Contemporary Trade Directory Entries Name: Toll End Auto Service Centre Location: 62, Bridge Road, Tipton, West Midlands, DY4 0JL Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	644	-	397342 293319
266	Contemporary Trade Directory Entries Name: Toll End Auto Service Centre Location: 62, Bridge Road, Tipton, West Midlands, DY4 0JL Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	644	-	397342 293319
267	Contemporary Trade Directory Entries Name: S M C Motor Co Location: Horseley Heath, Tipton, West Midlands, DY4 7EA Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	646	-	397508 292352
267	Contemporary Trade Directory Entries Name: Smc Motor Co Location: Horseley Heath, Tipton, West Midlands, DY4 7EA Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	646	-	397508 292352
268	Contemporary Trade Directory Entries Name: Trouser Master Location: 177-181, Great Bridge Street, West Bromwich, West Midlands, B70 0DJ Classification: Clothing & Fabrics - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	646	-	398354 292342
268	Contemporary Trade Directory Entries Name: Classic Garments Ltd Location: 177-181, Great Bridge Street, West Bromwich, West Midlands, B70 0DJ Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	646	-	398354 292342
268	Contemporary Trade Directory Entries Name: Plastic Rework Services Ltd Location: 177-181, Great Bridge Street, West Bromwich, West Midlands, B70 0DJ Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	646	-	398354 292342
268	Contemporary Trade Directory Entries Name: Sogi Fashion Ltd Location: 177-181, Great Bridge Street, West Bromwich, West Midlands, B70 0DJ Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	646	-	398354 292342
268	Contemporary Trade Directory Entries Name: Intercity Fashions Location: 175, Great Bridge Street, West Bromwich, West Midlands, B70 0DJ Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	660	-	398377 292340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
268	Contemporary Trade Directory Entries Name: J R Collection Location: 175, Great Bridge Street, West Bromwich, West Midlands, B70 0DJ Classification: Footwear Manufacturers & Wholesale Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	660	-	398377 292340
268	Contemporary Trade Directory Entries Name: Ace Express Freight Ltd Location: 216, Great Bridge Street, West Bromwich, West Midlands, B70 0DE Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	663	-	398323 292302
268	Contemporary Trade Directory Entries Name: Ace Express Freight Ltd Location: 216, Great Bridge Street, West Bromwich, West Midlands, B70 0DE Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	663	-	398323 292302
269	Contemporary Trade Directory Entries Name: Taylor Precision Ltd Location: Richmond St, West Bromwich, West Midlands, B70 0DD Classification: Precision Engineers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	646	-	398609 292674
269	Contemporary Trade Directory Entries Name: Burdens Location: Richmond St, West Bromwich, West Midlands, B70 0DD Classification: Builders' Merchants Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	647	-	398608 292668
270	Contemporary Trade Directory Entries Name: As Rubber & Plastics Ltd Location: Elwell Street, West Bromwich, West Midlands, B70 0DN Classification: Foam Products - Rubber & Plastics Status: Active Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	651	-	398403 292371
271	Contemporary Trade Directory Entries Name: Ashmore'S Press Brake Tooling Ltd Location: Lewis Street, Tipton, West Midlands, DY4 7EF Classification: Press Tool Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (SW)	666	-	397636 292257
272	Contemporary Trade Directory Entries Name: Custom Mercs Location: 64A Bridge Road, Tipton, West Midlands, DY4 0JL Classification: Car Customisation & Conversion Specialists Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	668	-	397307 293305
272	Contemporary Trade Directory Entries Name: W J Jenkins & Sons Ltd Location: Bridge Road, Tipton, West Midlands, DY4 0JW Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	687	-	397280 293295
273	Contemporary Trade Directory Entries Name: Barloworld Handling Ltd Location: 2, Cygnus Way, West Bromwich, West Midlands, B70 0XB Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	685	-	398523 292442
274	Contemporary Trade Directory Entries Name: Oiline Ltd Location: Whitehall Road, Tipton, West Midlands, DY4 7JZ Classification: Oil Fuel Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	691	-	398082 292194
274	Contemporary Trade Directory Entries Name: Save Service Station Location: Whitehall Road, Tipton, West Midlands, DY4 7JZ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	691	-	398082 292194

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
274	Contemporary Trade Directory Entries Name: Great Bridge Service Station Garage Location: Oline Building, Whitehall Road, Great Bridge, Tipton, West Midlands, DY4 7JT Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SE (S)	717	-	398043 292164
274	Contemporary Trade Directory Entries Name: B K Location: Unit 11, Whitehall Industrial Park, Whitehall Road, Tipton, West Midlands, DY4 7JY Classification: Salvage Dealers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SE (S)	726	-	398071 292158
275	Contemporary Trade Directory Entries Name: Thurlestone Engineering Ltd Location: 206, Great Bridge Street, West Bromwich, West Midlands, B70 0BZ Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	693	-	398358 292288
275	Contemporary Trade Directory Entries Name: A1 Spring Co Ltd Location: 206, Great Bridge Street, West Bromwich, West Midlands, B70 0BZ Classification: Spring Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	693	-	398358 292288
275	Contemporary Trade Directory Entries Name: Focus Office Ltd Location: 206, Great Bridge Street, West Bromwich, West Midlands, B70 0BZ Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	693	-	398358 292288
276	Contemporary Trade Directory Entries Name: Karens Cleaning Services Location: 23, St. Vincent Crescent, West Bromwich, West Midlands, B70 0LH Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	696	-	398690 292926
277	Contemporary Trade Directory Entries Name: Universal Aerial Platforms Location: 141, Great Bridge Street, West Bromwich, West Midlands, B70 0DA Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	709	-	398467 292349
277	Contemporary Trade Directory Entries Name: Universal Aerial Platforms Location: 141, Great Bridge Street, West Bromwich, West Midlands, B70 0DA Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	709	-	398467 292349
277	Contemporary Trade Directory Entries Name: Corporate Sales & Service Location: Great Bridge Street, WEST BROMWICH, West Midlands, B70 0DA Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	738	-	398462 292306
277	Contemporary Trade Directory Entries Name: West Bromwich Service Station Location: Great Bridge Street, West Bromwich, West Midlands, B70 0DA Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	745	-	398469 292303
278	Contemporary Trade Directory Entries Name: Toolmasters Technical Ltd Location: Instant Works, Charles Street Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AZ Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SE (SE)	711	-	398258 292219

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
278	Contemporary Trade Directory Entries Name: Davico Industrial Ltd Location: Charles Street Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AZ Classification: Cable & Wire Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (SE)	711	-	398258 292219
279	Contemporary Trade Directory Entries Name: E W Turner & Co Ltd Location: Shaw St, West Bromwich, West Midlands, B70 0TX Classification: Pallets, Crates & Packing Cases Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	712	-	398386 293580
280	Contemporary Trade Directory Entries Name: Gtc Auto Repairs Location: Unit Q, Toll End Road, TIPTON, West Midlands, DY4 0HF Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	715	-	397358 293460
281	Contemporary Trade Directory Entries Name: Billie'S Ironing Service Location: 59, Scott Street, Tipton, West Midlands, DY4 7AF Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	725	-	397367 292372
282	Contemporary Trade Directory Entries Name: T Masters Location: Salem Street, Tipton, West Midlands, DY4 7JH Classification: Engineering Services Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	729	-	397788 292149
283	Contemporary Trade Directory Entries Name: Zurich Location: 204, Great Bridge Street, West Bromwich, West Midlands, B70 0DE Classification: Engineering Materials Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	731	-	398390 292264
283	Contemporary Trade Directory Entries Name: Zurich Laboratories Location: 204, Great Bridge Street, West Bromwich, West Midlands, B70 0DE Classification: Mechanical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	731	-	398390 292264
283	Contemporary Trade Directory Entries Name: Atotech Uk Ltd Location: William St, West Bromwich, West Midlands, B70 0BG Classification: Chemicals - Distributors & Wholesalers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	744	-	398383 292244
283	Contemporary Trade Directory Entries Name: Scorpion Autos Location: 4, William Street, West Bromwich, West Midlands, B70 0BG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	744	-	398383 292244
283	Contemporary Trade Directory Entries Name: Conqueror Manufacturing Ltd Location: Unit 1, William Street, West Bromwich, West Midlands, B70 0BG Classification: Machine Tools - Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	765	-	398405 292232
283	Contemporary Trade Directory Entries Name: Formbend Tool Room Location: Unit 2 William St, West Bromwich, West Midlands, B70 0BG Classification: Tool Design, Manufacturers & Makers Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	775	-	398377 292204

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
284	Contemporary Trade Directory Entries Name: Hawklane Ltd Location: Unit 5c, Whitehall Industrial Park, Whitehall Road, Tipton, West Midlands, DY4 7JY Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	743	-	398140 292150
284	Contemporary Trade Directory Entries Name: C & P Patterns Ltd Location: Unit 10, Whitehall Industrial Park, Whitehall Road, Tipton, West Midlands, DY4 7JY Classification: Pattern Makers - Industrial Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	765	-	398160 292132
285	Contemporary Trade Directory Entries Name: Shield Industries Location: Unit 3, Whitehall Industrial Park, Whitehall Road, Tipton, West Midlands, DY4 7JY Classification: Glass Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	759	-	398092 292127
286	Contemporary Trade Directory Entries Name: R E P C Ltd Location: 3, The Great Bridge Centre, Charles Street, West Bromwich, West Midlands, B70 0BF Classification: Computer Recycling & Disposal Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (SE)	759	-	398270 292172
286	Contemporary Trade Directory Entries Name: Formbend Ltd Location: Unit 4/5, Charles Street Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AZ Classification: Tube Bending Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	782	-	398287 292153
286	Contemporary Trade Directory Entries Name: Formbend Ltd Location: Unit 4/5, Charles Street Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AZ Classification: Machine Tools - Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	782	-	398287 292153
287	Contemporary Trade Directory Entries Name: Allroads Distribution Ltd Location: Suite 5, Hill Top Ind Est, Shaw St, West Bromwich, West Midlands, B70 0TX Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	760	-	398380 293642
288	Contemporary Trade Directory Entries Name: Guest Tyre & Auto Centre Location: 125, Great Bridge Street, West Bromwich, West Midlands, B70 0DA Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	780	-	398517 292298
288	Contemporary Trade Directory Entries Name: M B Autos Location: Great Bridge Street, West Bromwich, West Midlands, B70 0DA Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	786	-	398539 292311
288	Contemporary Trade Directory Entries Name: Volks Auto'S Location: 63a Great Bridge St, West Bromwich, West Midlands, B70 0DA Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	796	-	398535 292294
288	Contemporary Trade Directory Entries Name: Newbridge Motors Location: Great Bridge Street, West Bromwich, West Midlands, B70 0DA Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	796	-	398535 292294

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
289	Contemporary Trade Directory Entries Name: The Little Safe Co Location: Curtis House, Hill Top Industrial Estate, Shaw Street, West Bromwich, West Midlands, B70 0TX Classification: Safes & Vaults - Suppliers & Installers Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	782	-	398336 293692
290	Contemporary Trade Directory Entries Name: Phoenix Waste Management Location: Richmond Street, West Bromwich, West Midlands, B70 0DD Classification: Recycling Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	784	-	398715 292568
291	Contemporary Trade Directory Entries Name: Renault Trucks (Midlands) Ltd Location: Power Way, Tipton, West Midlands, DY4 0PW Classification: Commercial Vehicle Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	808	-	397826 293791
292	Contemporary Trade Directory Entries Name: Carpenter Plc Location: 1, Cygnus Way, West Bromwich, West Midlands, B70 0XB Classification: Foam Products - Rubber & Plastics Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	812	-	398672 292429
293	Contemporary Trade Directory Entries Name: Gondrand Uk Location: 6a-6b, Unit, Hill Top Industrial Estate, Shaw Street, West Bromwich, West Midlands, B70 0TX Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	825	-	398513 293625
294	Contemporary Trade Directory Entries Name: Travis Perkins Trading Co Ltd Location: 62, Toll End Road, Tipton, West Midlands, DY4 0EU Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	835	-	397301 293575
294	Contemporary Trade Directory Entries Name: Rhodes To Recovery Location: 137, Powis Avenue, Tipton, West Midlands, DY4 0RD Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	868	-	397281 293601
295	Contemporary Trade Directory Entries Name: Swan Fields Ltd Location: Great Bridge Street, West Bromwich, West Midlands, B70 0BT Classification: Boxes & Cartons Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	836	-	398612 292314
295	Contemporary Trade Directory Entries Name: Swan Fields Packaging Ltd Location: Great Bridge Street, West Bromwich, West Midlands, B70 0DA Classification: Boxes & Cartons Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	868	-	398618 292274
296	Contemporary Trade Directory Entries Name: Panesar Location: Unit 2, Cliff Drive, Tipton, West Midlands, DY4 0PZ Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	848	-	397952 293843
297	Contemporary Trade Directory Entries Name: Kingsmark Location: Great Bridge St, West Bromwich, West Midlands, B70 0BP Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	849	-	398560 292245

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
297	Contemporary Trade Directory Entries Name: Excel Metal Finishing Ltd Location: Great Bridge Street, West Bromwich, West Midlands, B70 0DA Classification: Metal Finishing Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	853	-	398591 292268
297	Contemporary Trade Directory Entries Name: Volks Tyre Services Location: Great Bridge Street, West Bromwich, West Midlands, B70 0DA Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	853	-	398591 292268
297	Contemporary Trade Directory Entries Name: Volks Auto'S Location: Great Bridge Street, West Bromwich, West Midlands, B70 0DA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	853	-	398591 292268
298	Contemporary Trade Directory Entries Name: D C S Door Systems Location: Whitehall Road, Tipton, West Midlands, DY4 7JU Classification: Door Manufacturers - Industrial Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	853	-	398211 292054
298	Contemporary Trade Directory Entries Name: Ross Ltd Location: Whitehall Road, Tipton, West Midlands, DY4 7JU Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	853	-	398211 292054
299	Contemporary Trade Directory Entries Name: Diamond Box Ltd Location: Unit 4a, Hill Top Industrial Estate, Shaw Street, West Bromwich, West Midlands, B70 0TX Classification: Packaging Materials Manufacturers & Suppliers Status: Active Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	855	-	398493 293680
300	Contemporary Trade Directory Entries Name: H & S Haulage & Storage Location: Unit 2a-2b, Charles Street Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AZ Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	868	-	398322 292075
301	Contemporary Trade Directory Entries Name: C C R (Wednesbury) Ltd Location: 31, Railway Street, Great Bridge, Tipton, West Midlands, DY4 7AD Classification: Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	868	-	397197 292354
301	Contemporary Trade Directory Entries Name: M 8 Gear Location: Interclean House, 3-4 Railway St, Great Bridge, Tipton, West Midlands, DY4 7AD Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	869	-	397218 292326
301	Contemporary Trade Directory Entries Name: M8 Gear Ltd Location: 3-4, Railway Street, Great Bridge, Tipton, West Midlands, DY4 7AD Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	869	-	397218 292326
301	Contemporary Trade Directory Entries Name: Interclean Location: Interclean House, 3-4, Railway Street, Great Bridge, Tipton, West Midlands, DY4 7AD Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	869	-	397218 292326

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
301	Contemporary Trade Directory Entries Name: Focus Office Products Ltd Location: Railway St, Great Bridge, Tipton, West Midlands, DY4 7AD Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	900	-	397195 292304
301	Contemporary Trade Directory Entries Name: C C R (Wednesbury) Ltd Location: 31 Railway St, Great Bridge, Tipton, West Midlands, DY4 7AD Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	903	-	397180 292318
302	Contemporary Trade Directory Entries Name: Midland Cranes Ltd Location: A, 135, Toll End Road, Tipton, West Midlands, DY4 0ET Classification: Crane Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	869	-	397450 293733
303	Contemporary Trade Directory Entries Name: Daihatsu Vehicle Distributors Location: Ryder St, West Bromwich, West Midlands, B70 0EJ Classification: Car Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	871	-	398504 292172
304	Contemporary Trade Directory Entries Name: Evans Roll Formers Ltd Location: Howard Street, West Bromwich, West Midlands, B70 0ST Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A19SE (NE)	881	-	398795 293332
304	Contemporary Trade Directory Entries Name: Steel Sections Ltd Location: 2, Howard Street, West Bromwich, West Midlands, B70 0ST Classification: Metal Products - Fabricated Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	882	-	398796 293329
305	Contemporary Trade Directory Entries Name: Discount Blinds Location: 79, Horseley Road, Tipton, West Midlands, DY4 7NA Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	891	-	397033 292643
306	Contemporary Trade Directory Entries Name: K & S Light Haulage Location: 19, Addenbrook Way, Tipton, West Midlands, DY4 0QB Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	895	-	397682 293855
307	Contemporary Trade Directory Entries Name: Peerless Literature Services Location: Railway St, Great Bridge, Tipton, West Midlands, DY4 7AD Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	898	-	397213 292286
307	Contemporary Trade Directory Entries Name: Medical Care Renal Services Location: Bateman House, 46-50, Horseley Heath, Tipton, West Midlands, DY4 7AA Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	919	-	397212 292255
308	Contemporary Trade Directory Entries Name: Great Bridge Cars Location: 63 Great Bridge St, West Bromwich, West Midlands, B70 0DA Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	901	-	398679 292292
309	Contemporary Trade Directory Entries Name: Sheldon & Clayton Location: Black Country New Road, West Bromwich, West Midlands, B70 0BD Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	907	-	398762 292392

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
309	Contemporary Trade Directory Entries Name: A B X Logistics (UK) Ltd Location: Cygnus Point, Black Country New Road, West Bromwich, West Midlands, B70 0BD Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	907	-	398762 292392
309	Contemporary Trade Directory Entries Name: Sheldon & Clayton Location: Cygnus Point, Black Country New Rd, West Bromwich, West Midlands, B70 0BD Classification: Road Haulage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	928	-	398771 292368
309	Contemporary Trade Directory Entries Name: Tipton Transport Ltd Location: Cygnus Point, Black Country New Rd, West Bromwich, West Midlands, B70 0BD Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	928	-	398771 292368
309	Contemporary Trade Directory Entries Name: Ziegler UK Ltd Location: Cygnus Point, Black Country New Rd, West Bromwich, West Midlands, B70 0BD Classification: Freight Forwarders Status: Active Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	928	-	398771 292368
310	Contemporary Trade Directory Entries Name: Davies & Davies Roofline Location: 42, St. Helens Avenue, Tipton, West Midlands, DY4 7LR Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	911	-	397095 292435
311	Contemporary Trade Directory Entries Name: Great Bridge Metal Recycling Location: Great Bridge St, West Bromwich, West Midlands, B70 0BW Classification: Recycling Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SE (SE)	916	-	398648 292236
311	Contemporary Trade Directory Entries Name: Fast Lane Tyres & Exhaust Location: Great Bridge St, West Bromwich, West Midlands, B70 0BW Classification: Tyre Manufacturers & Distributors Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SE (SE)	919	-	398653 292236
311	Contemporary Trade Directory Entries Name: A T Gamage Location: Great Bridge Street, West Bromwich, West Midlands, B70 0BW Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (SE)	927	-	398646 292218
311	Contemporary Trade Directory Entries Name: L M R Ltd Location: Great Bridge Street, West Bromwich, West Midlands, B70 0BW Classification: Non-Ferrous Metals Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (SE)	927	-	398646 292218
311	Contemporary Trade Directory Entries Name: Albion Recycling Location: Great Bridge Street, West Bromwich, West Midlands, B70 0BP Classification: Recycling Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (SE)	927	-	398646 292218
311	Contemporary Trade Directory Entries Name: R Love Location: Great Bridge Street, West Bromwich, West Midlands, B70 0BW Classification: Gate Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (SE)	927	-	398646 292218

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
311	Contemporary Trade Directory Entries Name: Midland Motor Sales.Co.Uk Location: Great Bridge St, West Bromwich, West Midlands, B70 0BW Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9SE (SE)	927	-	398646 292218
312	Contemporary Trade Directory Entries Name: M P Fine Ltd Location: Unit 48, Phoenix International Industrial Estate, Charles Street, WEST BROMWICH, West Midlands, B70 0AY Classification: Tool Design, Manufacturers & Makers Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	921	-	398405 292053
312	Contemporary Trade Directory Entries Name: Lewis & Lee Repairs Location: Unit 48, Phoenix International Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AY Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	921	-	398405 292053
312	Contemporary Trade Directory Entries Name: Shaun'S Autos Location: Unit 13, Phoenix International Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AY Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	941	-	398437 292048
312	Contemporary Trade Directory Entries Name: K & J Cooked Meats Location: Unit 12, Phoenix International Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AY Classification: Meat - Wholesale Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	952	-	398439 292036
312	Contemporary Trade Directory Entries Name: Ians Autos Location: Unit 45, Phoenix International Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	957	-	398426 292024
312	Contemporary Trade Directory Entries Name: Auto Tint & Repairs Location: Unit 41, Phoenix International Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	961	-	398415 292014
312	Contemporary Trade Directory Entries Name: Grange Engineering Location: Unit 40, Phoenix International Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AY Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	970	-	398419 292007
313	Contemporary Trade Directory Entries Name: Lkp Manufacturing Location: Unit 49, Phoenix International Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AY Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	921	-	398411 292057
314	Contemporary Trade Directory Entries Name: Emi-Mec Services Location: 23, Avern Close, Tipton, West Midlands, DY4 7ND Classification: Machine Tool Accessories & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	921	-	396990 292692

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
315	Contemporary Trade Directory Entries Name: Rope Task Ltd Location: Unit 4, Ashmore Industrial Park, Great Bridge Street, West Bromwich, West Midlands, B70 0BP Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	932	-	398604 292173
315	Contemporary Trade Directory Entries Name: Midas Pet Products Location: Great Bridge Street, West Bromwich, West Midlands, B70 0BP Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	932	-	398604 292173
315	Contemporary Trade Directory Entries Name: Spec One Engineering Location: Unit 1, Ashmore Industrial Park, Great Bridge Street, West Bromwich, West Midlands, B70 0BP Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	932	-	398604 292173
316	Contemporary Trade Directory Entries Name: Wiremold Ltd Location: Arena Park Unit 2, Dial Lane, West Bromwich, West Midlands, B70 0EB Classification: Insulation Materials Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	936	-	398924 292761
317	Contemporary Trade Directory Entries Name: Westglide Engineering Ltd Location: Whitehall Road, Tipton, West Midlands, DY4 7JR Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	946	-	398134 291943
317	Contemporary Trade Directory Entries Name: Foundry Supplies Location: Whitehall Road, Tipton, West Midlands, DY4 7JR Classification: Foundry Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	946	-	398134 291943
317	Contemporary Trade Directory Entries Name: P R Autos Location: 253 Whitehall Road, Great Bridge, West Bromwich, West Midlands, B70 0HQ Classification: Mot Testing Centres Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A3NE (S)	974	-	398133 291915
318	Contemporary Trade Directory Entries Name: Ecka Granules Location: Prothero Works, Bilport La, Wednesbury, West Midlands, WS10 0NT Classification: Non-Ferrous Metals Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	947	-	398435 293826
318	Contemporary Trade Directory Entries Name: Perry Transport Ltd Location: Unit 7, Bilport Lane, WEDNESBURY, West Midlands, WS10 0NT Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	947	-	398436 293826
318	Contemporary Trade Directory Entries Name: Bh Transmission Services Ltd Location: Bilport Lane, Wednesbury, West Midlands, WS10 0NT Classification: Gearboxes Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	947	-	398436 293826
318	Contemporary Trade Directory Entries Name: Midlands Haulage Location: Unit 22, Bilport Lane, WEDNESBURY, West Midlands, WS10 0NT Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	947	-	398436 293826

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
318	Contemporary Trade Directory Entries Name: Waste Freight Location: Building 1, Prothero Works, Bilport Lane, Wednesbury, West Midlands, WS10 0NT Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	947	-	398436 293826
318	Contemporary Trade Directory Entries Name: Martin Smith Transport Ltd Location: Unit 7, Bilport Lane, Wednesbury, West Midlands, WS10 0NT Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	947	-	398436 293826
319	Contemporary Trade Directory Entries Name: Elite Alloys Location: 4, Steadman Croft, Tipton, West Midlands, DY4 0QQ Classification: Alloys Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	959	-	397766 293937
320	Contemporary Trade Directory Entries Name: Faupel Location: Unit 2b, Hill Top Industrial Estate, Shaw Street, West Bromwich, West Midlands, B70 0TX Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	964	-	398559 293767
321	Contemporary Trade Directory Entries Name: Direct Copiers Service Ltd Location: Former Royal Mail Building, Horseley Road, Tipton, West Midlands, DY4 7DB Classification: Photocopiers Status: Active Positional Accuracy: Automatically positioned to the address	A7SW (SW)	969	-	397169 292227
321	Contemporary Trade Directory Entries Name: Mitsui Babcock Location: Tipton, West Midlands, DY4 8YP Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	969	-	397169 292227
321	Contemporary Trade Directory Entries Name: Ksr Ltd Location: Tipton, West Midlands, DY4 9YN Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	969	-	397169 292227
321	Contemporary Trade Directory Entries Name: Direct Copiers Plc Location: Former Royal Mail Building, Horseley Road, Tipton, West Midlands, DY4 7DB Classification: Photocopiers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	969	-	397169 292227
321	Contemporary Trade Directory Entries Name: Direct Location: Former Royal Mail Building, Horseley Road, Tipton, West Midlands, DY4 7DB Classification: Photocopiers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	969	-	397169 292227
322	Contemporary Trade Directory Entries Name: Handley Steels Location: 4, Burkitt Drive, Tipton, West Midlands, DY4 0QE Classification: Steel Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	969	-	397485 293865
323	Contemporary Trade Directory Entries Name: Smith Jigboring Ltd Location: Unit 20, Phoenix International Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AY Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	975	-	398486 292036

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
323	Contemporary Trade Directory Entries Name: Birmingham Caravan Services Location: Unit 18-19, Phoenix International Industrial Estate, Charles Street, West Bromwich, West Midlands, B70 0AY Classification: Caravans - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	994	-	398486 292014
324	Contemporary Trade Directory Entries Name: Clutch Mania Location: Horseley Rd, Tipton, West Midlands, DY4 7LX Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	975	-	397123 292274
325	Contemporary Trade Directory Entries Name: M D Transport Location: 3, Avern Close, Tipton, West Midlands, DY4 7ND Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	985	-	396931 292659
326	Contemporary Trade Directory Entries Name: Woods & Hughes Ltd Location: Unit 9, Hill Top Industrial Estate, Shaw Street, West Bromwich, West Midlands, B70 0TX Classification: Nuts, Bolts & Fixings Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NE (NE)	992	-	398645 293732
326	Contemporary Trade Directory Entries Name: Woods & Hughes (Bolts & Screws) Ltd Location: Unit 9, Hill Top Industrial Estate, Shaw Street, West Bromwich, West Midlands, B70 0TX Classification: Nuts, Bolts & Fixings Status: Active Positional Accuracy: Automatically positioned to the address	A19NE (NE)	992	-	398645 293732
327	Contemporary Trade Directory Entries Name: Capital Refractories Ltd Location: Unit 29, Siddons Factory Est, Howard St, West Bromwich, West Midlands, B70 0SU Classification: Foundry Equipment & Supplies Status: Active Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	994	-	398790 293572
328	Contemporary Trade Directory Entries Name: Birmingham Coach Co Location: Unit 22, Siddons Factory Estate, Howard Street, West Bromwich, West Midlands, B70 0SU Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NE (NE)	995	-	398754 293622
328	Contemporary Trade Directory Entries Name: Hill Top Fabrications Co 1998 Ltd Location: Unit 22, Siddons Factory Estate, Howard Street, West Bromwich, West Midlands, B70 0SU Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NE (NE)	995	-	398754 293622
329	Fuel Station Entries Name: Asda Great Bridge Location: Brickhouse Lane South, Great Bridge, Tipton, Dudley, West Midlands, DY4 7HJ Brand: ASDA Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A8NE (S)	339	-	397978 292537
330	Fuel Station Entries Name: Great Bridge Service Station Location: 232 Whitehall Road, New Town, West Bromwich, West Midlands, B70 0EW Brand: Unbranded Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A8NE (S)	602	-	397953 292271

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
331	Fuel Station Entries Name: Newbridge Motors Location: Great Bridge Street, Swan Village, WEST BROMWICH, West Midlands, B70 0DA Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A9NW (SE)	853	-	398591 292268
331	Fuel Station Entries Name: Volks Autos Location: Great Bridge Street, Swan Village, WEST BROMWICH, West Midlands, B70 0DA Brand: Unbranded Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A9NW (SE)	853	-	398591 292268
332	Fuel Station Entries Name: Whitehall Road Service Station Location: Whitehall Road, New Town, WEST BROMWICH, West Midlands, B70 0HQ Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Approximate location provided by supplier	A3NE (S)	1000	-	398140 291890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
333	Local Nature Reserves Name: Sheepwash Multiple Area: N Area (m2): 394434.15 Source: Natural England Designation Date: 1st January 2000	A8SW (S)	701	8	397767 292181
334	Nitrate Vulnerable Zones Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SW (NW)	0	9	397941 292930

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Wolverhampton City Council - Environmental Health (Public Protection) Walsall Metropolitan Borough Council - Pollution Control Division Birmingham City Council - Environmental Protection Unit Sandwell Metropolitan Borough Council - Environmental Health Department Dudley Metropolitan Borough Council - Environmental Protection Division	August 2013 December 2012 January 2013 March 2013 September 2012	Quarterly Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	July 2013	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	March 2013	Quarterly
Integrated Pollution Controls Environment Agency - Midlands Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	July 2013	Quarterly
Local Authority Integrated Pollution Prevention And Control Birmingham City Council - Environmental Protection Unit Sandwell Metropolitan Borough Council - Environmental Health Department Dudley Metropolitan Borough Council - Environmental Protection Division Walsall Metropolitan Borough Council - Environmental Health Department Wolverhampton City Council - Environmental Health (Public Protection)	July 2013 March 2012 May 2013 November 2012 September 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Birmingham City Council - Environmental Protection Unit Sandwell Metropolitan Borough Council - Environmental Health Department Dudley Metropolitan Borough Council - Environmental Protection Division Walsall Metropolitan Borough Council - Environmental Health Department Wolverhampton City Council - Environmental Health (Public Protection)	July 2013 March 2012 May 2013 November 2012 September 2012	Annual Rolling Update Quarterly Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Birmingham City Council - Environmental Protection Unit Sandwell Metropolitan Borough Council - Environmental Health Department Dudley Metropolitan Borough Council - Environmental Protection Division Walsall Metropolitan Borough Council - Environmental Health Department Wolverhampton City Council - Environmental Health (Public Protection)	July 2013 March 2012 May 2013 November 2012 September 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	March 2013	Quarterly
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	March 2013	Quarterly
Registered Radioactive Substances Environment Agency - Midlands Region	July 2013	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	July 2013 July 2013 July 2013	Quarterly Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
Water Abstractions Environment Agency - Midlands Region	July 2013	Quarterly
Water Industry Act Referrals Environment Agency - Midlands Region	July 2013	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Source Protection Zones Environment Agency - Head Office	July 2013	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	April 2013	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	April 2013	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	April 2013	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	April 2013	Quarterly
Flood Defences Environment Agency - Head Office	April 2013	Quarterly

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	July 2013 July 2013 July 2013	Quarterly Quarterly Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	July 2013 July 2013 July 2013	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	April 2013 April 2013 April 2013	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Birmingham City Council - Environmental Protection Unit Dudley Metropolitan Borough Council - Environmental Protection Division Sandwell Metropolitan Borough Council - Environmental Health Department Walsall Metropolitan Borough Council - Environmental Health Department Wolverhampton City Council	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Sandwell Metropolitan Borough Council - Environmental Health Department Birmingham City Council - Environmental Protection Unit Walsall Metropolitan Borough Council - Environmental Health Department Wolverhampton City Council Dudley Metropolitan Borough Council - Environmental Protection Division	February 2003 May 2000 May 2000 May 2000 November 2006	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2013	Bi-Annually
Explosive Sites Health and Safety Executive	March 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Wolverhampton City Council - Planning Department Dudley Metropolitan Borough Council Walsall Metropolitan Borough Council - Planning Department Birmingham City Council Sandwell Metropolitan Borough Council - Planning Department	April 2013 August 2012 January 2013 March 2013 March 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Wolverhampton City Council - Planning Department Dudley Metropolitan Borough Council Walsall Metropolitan Borough Council - Planning Department Birmingham City Council Sandwell Metropolitan Borough Council - Planning Department	April 2013 August 2012 January 2013 March 2013 March 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2013	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2012	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	May 2013	Quarterly
Fuel Station Entries Catalist Ltd - Experian	May 2013	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt Birmingham City Council Dudley Metropolitan Borough Council Sandwell Metropolitan Borough Council - Planning Department Walsall Metropolitan Borough Council Wolverhampton City Council	August 2013 August 2013 August 2013 August 2013 August 2013	As notified As notified As notified As notified As notified
Areas of Unadopted Green Belt Birmingham City Council Dudley Metropolitan Borough Council Sandwell Metropolitan Borough Council - Planning Department Walsall Metropolitan Borough Council Wolverhampton City Council	August 2013 August 2013 August 2013 August 2013 August 2013	As notified As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	July 2013	Bi-Annually
Environmentally Sensitive Areas Natural England	July 2013	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	July 2013	Bi-Annually
Marine Nature Reserves Natural England	July 2013	Bi-Annually
National Nature Reserves Natural England	July 2013	Bi-Annually
National Parks Natural England	July 2013	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2013	Annually
Ramsar Sites Natural England	July 2013	Bi-Annually
Sites of Special Scientific Interest Natural England	July 2013	Bi-Annually
Special Areas of Conservation Natural England	July 2013	Bi-Annually
Special Protection Areas Natural England	July 2013	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	Sandwell Metropolitan Borough Council - Environmental Health Department Environment House, Lombard Street, West Bromwich, West Midlands, B70 8RU	Telephone: 0121 569 6628 Fax: 0121 569 4072 Website: www.smbc.sandwell.gov.uk
3	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	Health and Safety Executive Explosives Inspectorate, 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
5	Sandwell Metropolitan Borough Council - Planning Department Development House, Lombard Street, West Bromwich, West Midlands, B70 8RU	Telephone: 0121 569 4253 Fax: 0121 569 4072 Website: www.smbc.sandwell.gov.uk
6	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
7	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
8	Natural England Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
-	Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / SEPA have a charging policy in place for enquiries.

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Present Day - Present Day
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Devensian - Devensian
	TILLD	Till, Devensian	Diamicton	Devensian - Devensian
	TILMP	Till, Mid Pleistocene	Diamicton	Ipswichian - Cromerian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALY	Alveley Member	Sandstone	Westphalian D - Westphalian D
	HA	Halesowen Formation	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	ALY	Alveley Member	Mudstone	Westphalian D - Westphalian D
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Bolsovian (Westphalian C) - Duckmantian (Westphalian B)
	THIC	Thick Coal (South Staffordshire)	Coal	Duckmantian (Westphalian B) - Duckmantian (Westphalian B)
	PMCM	Pennine Middle Coal Measures Formation	Sandstone	Bolsovian (Westphalian C) - Duckmantian (Westphalian B)
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	ETM	Etruria Formation	Sandstone and Mudstone	Westphalian - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ETM	Etruria Formation	Sandstone	Westphalian - Westphalian
	ETM	Etruria Formation	Mudstone	Westphalian - Westphalian
		Faults		
		Rock Segments		



Geology 1:50,000 Maps

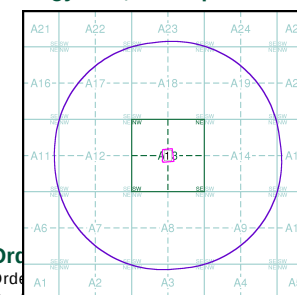
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID: 1
Map Sheet No: 168
Map Name: Birmingham
Map Date: 1996
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Available
Faults: Available
Landslip: Available
Rock Segments: Available

Geology 1:50,000 Maps - Slice A



Order

Customer Reference: 397940, 292930

National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

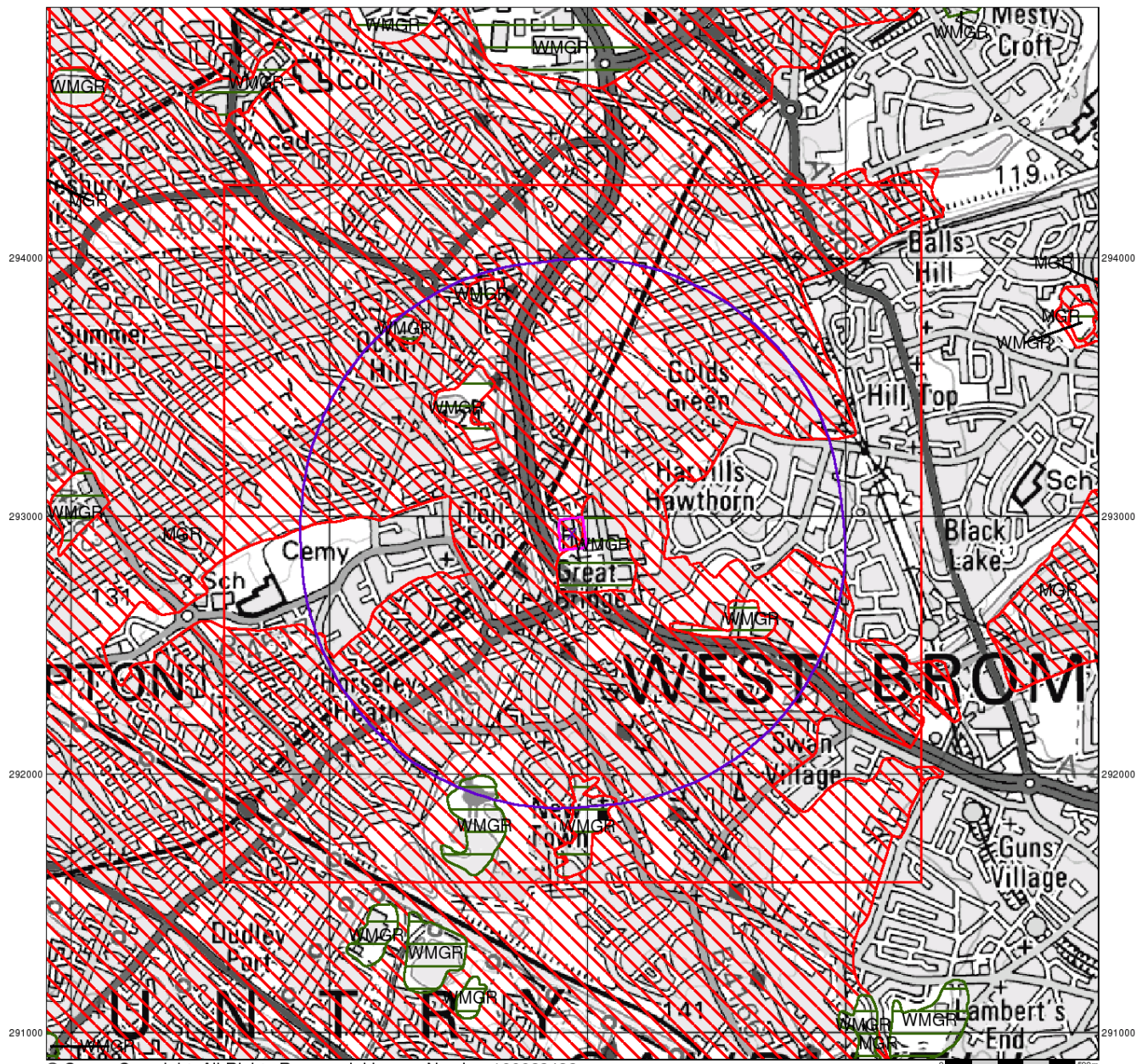
Site Details:

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INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
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Tel: 0844 844 9952
Fax: 0844 844 9951
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396000 397000 398000 399000



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Artificial Ground and Landslip

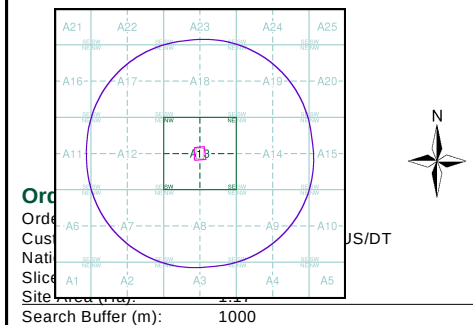
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A

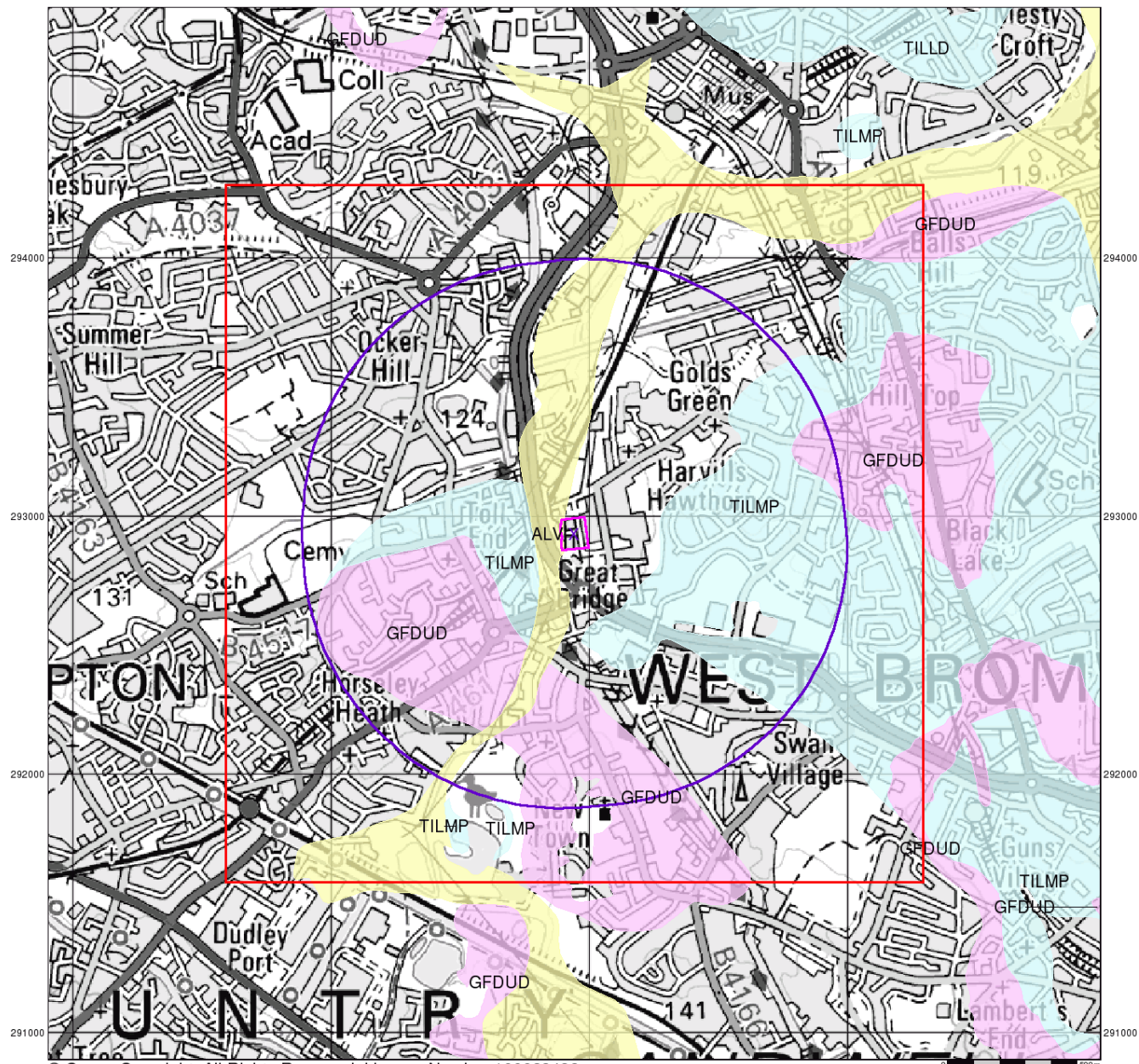


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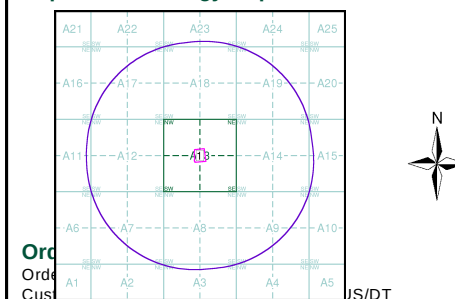
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



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Order

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National Grid Reference: 397940, 292930

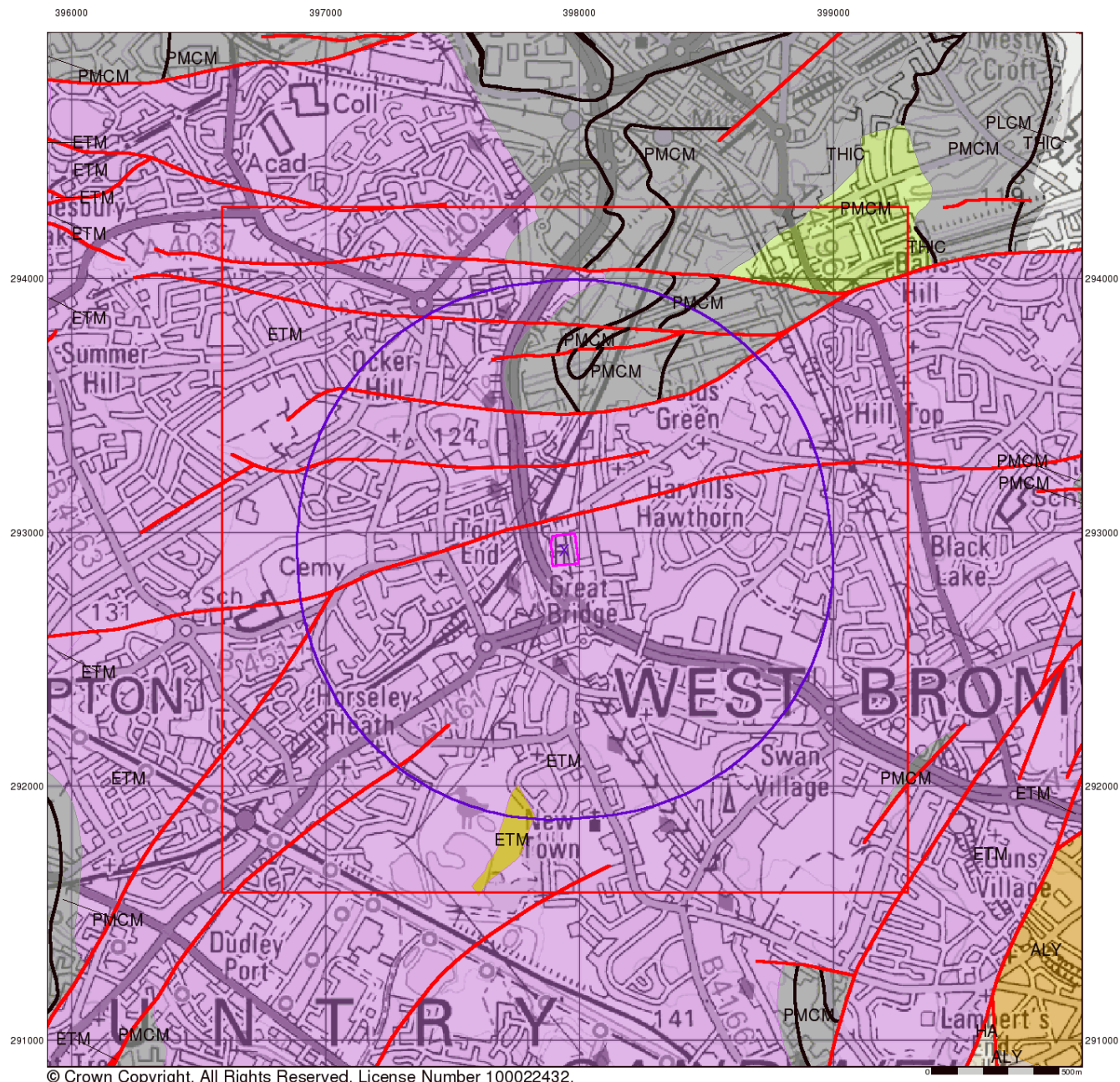
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details:

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Bedrock and Faults

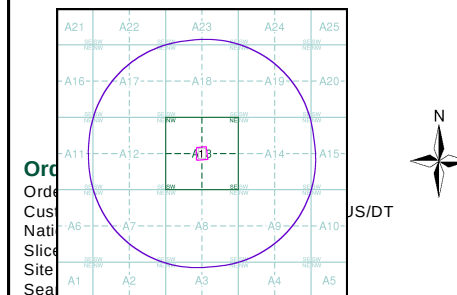
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A

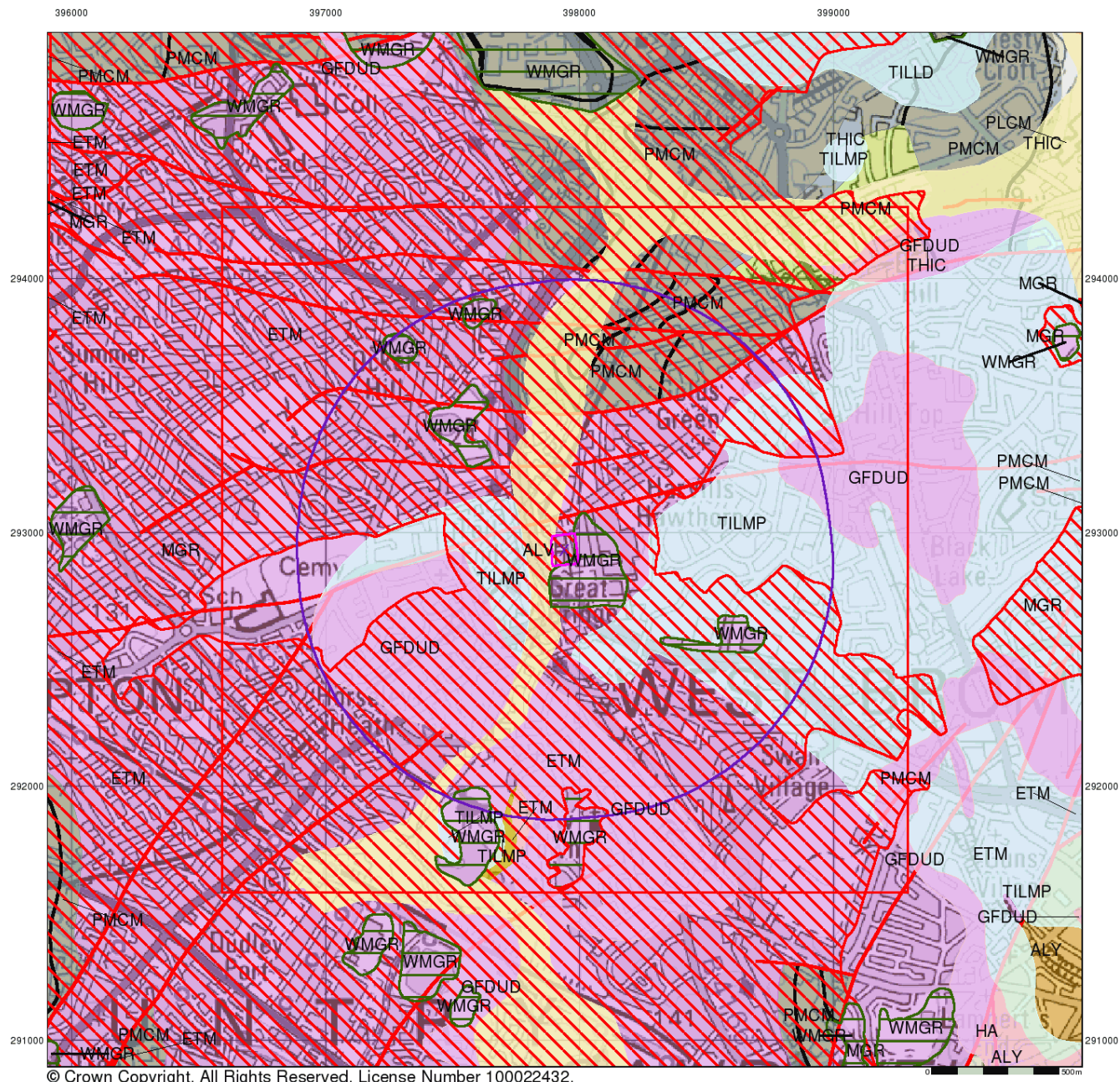


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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

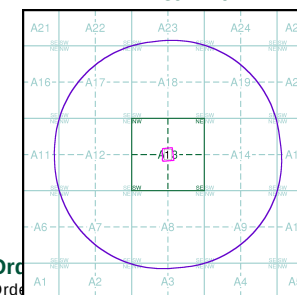
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Ord
Orde

Customer Reference: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

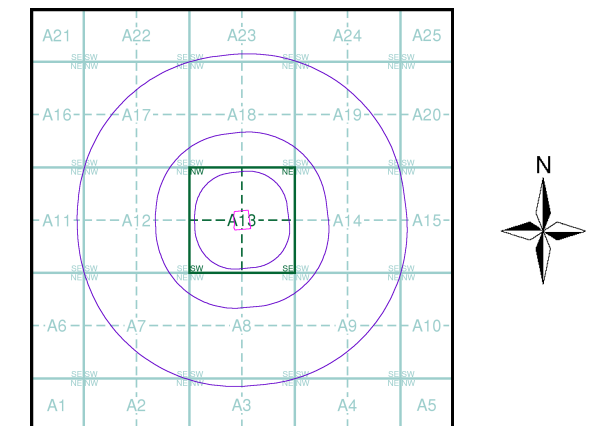
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Staffordshire	1:10,560	1889	3
Worcestershire	1:10,560	1889	4
Staffordshire	1:10,560	1904	5
Staffordshire	1:10,560	1921	6
Staffordshire	1:10,560	1921	7
Staffordshire	1:10,560	1938	8
Staffordshire	1:10,560	1938	9
Historical Aerial Photography	1:10,560	1948	10
Ordnance Survey Plan	1:10,000	1955	11
Ordnance Survey Plan	1:10,000	1970	12
Birmingham	1:25,000	1977	13
Ordnance Survey Plan	1:10,000	1980	14
Ordnance Survey Plan	1:10,000	1987	15
Ordnance Survey Plan	1:10,000	1990	16
Ordnance Survey Plan	1:10,000	1992	17
10K Raster Mapping	1:10,000	2006	18
10K Raster Mapping	1:10,000	2013	19

Historical Map - Slice A



Order Details

Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details

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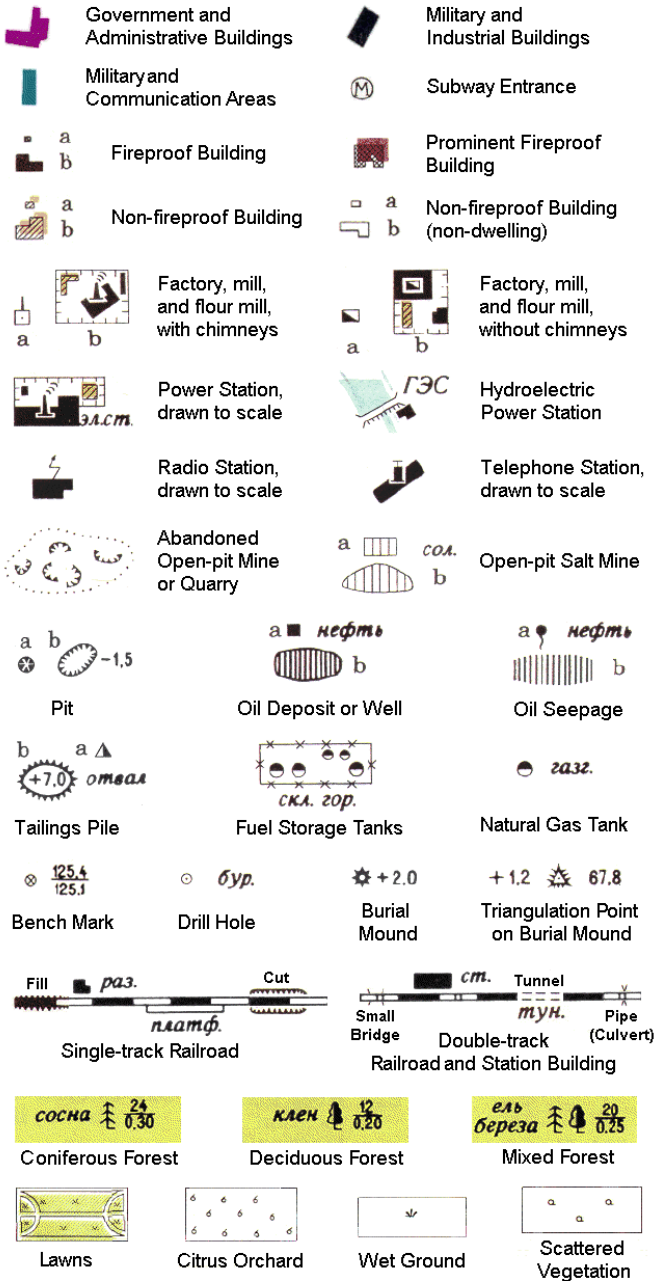


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Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale



243.8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 Velocity of the current, width of river bed, depth of river

180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A) З з (Z) П п (P) Ч ч (CH)

Б б (B) И и (I) Р р (R) Ш ш (SH)

В в (V) Й й (Y) С с (S) Щ щ (SHCH)

Г г (G) К к (K) Т т (T) Ъ ъ (-)

Д д (D) Л л (L) У у (U) Ы ы (Y)

Е е (E) М м (M) Ф ф (F) Ь ь (')

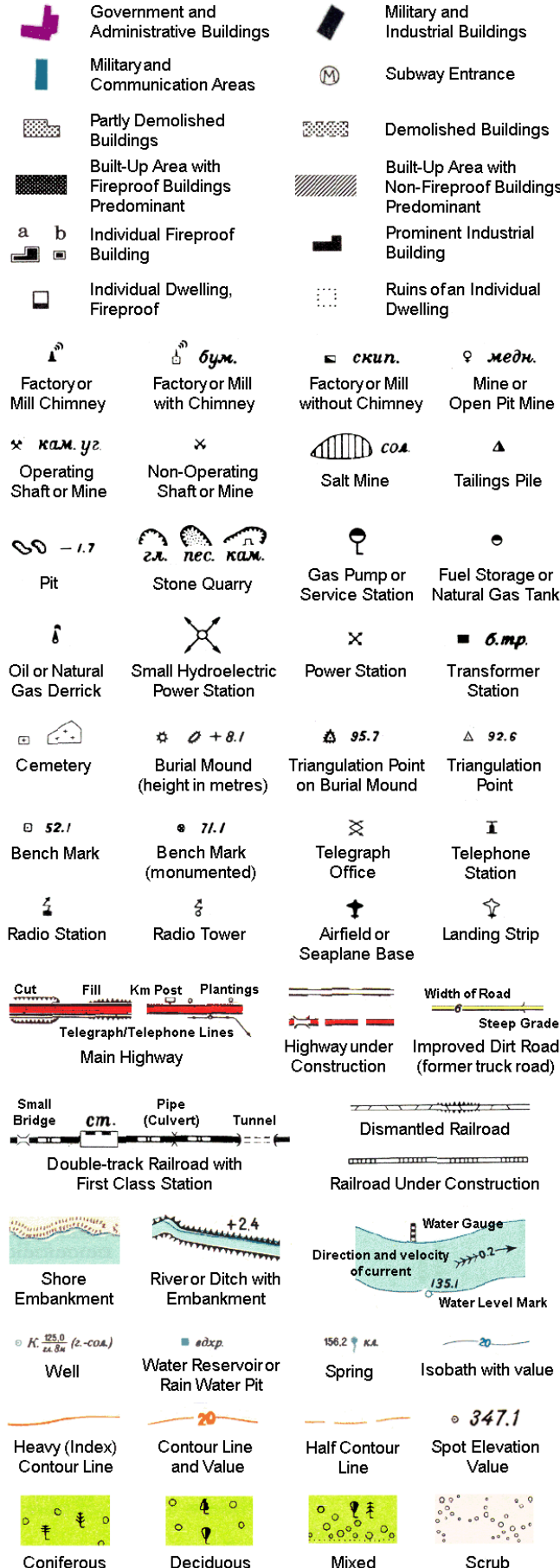
Ё ё (YO) Н н (N) Х х (KH) Э э (E)

Ж ж (ZH) О о (O) Ц ц (TS) Ю ю (YU or IU)

Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale



Key to Numbers on Mapping

SO99_Birmingham

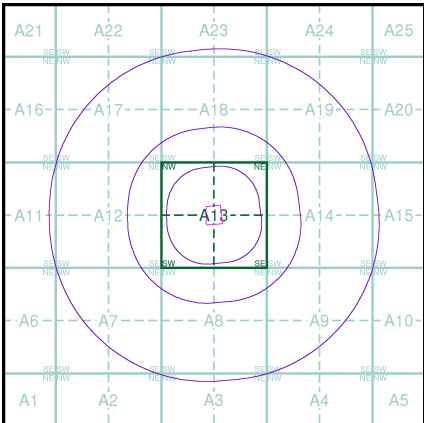
No.	Description
90	Factory (Metal Constructions)
102	Factory (Metals)
130	Mill (Steel)
131	Mill (Steel)
156	Factory (Pipe)
158	Factory (Tube Rolling)
159	Factory (Tube Rolling)
205	Workshops (Railway)
271	Post Office
357	Sewage Works
389	Electricity Sub Station



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Staffordshire	1:10,560	1889	3
Worcestershire	1:10,560	1889	4
Staffordshire	1:10,560	1904	5
Staffordshire	1:10,560	1921	6
Staffordshire	1:10,560	1921	7
Staffordshire	1:10,560	1938	8
Staffordshire	1:10,560	1938	9
Historical Aerial Photography	1:10,560	1948	10
Ordnance Survey Plan	1:10,000	1955	11
Ordnance Survey Plan	1:10,000	1970	12
Birmingham	1:25,000	1977	13
Ordnance Survey Plan	1:10,000	1980	14
Ordnance Survey Plan	1:10,000	1987	15
Ordnance Survey Plan	1:10,000	1990	16
Ordnance Survey Plan	1:10,000	1992	17
10K Raster Mapping	1:10,000	2006	18
10K Raster Mapping	1:10,000	2013	19

Russian Map - Slice A



Order Details

Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
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Site Area (Ha): 1.17
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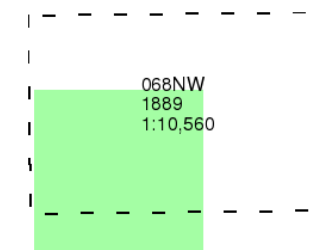
Staffordshire

Published 1889

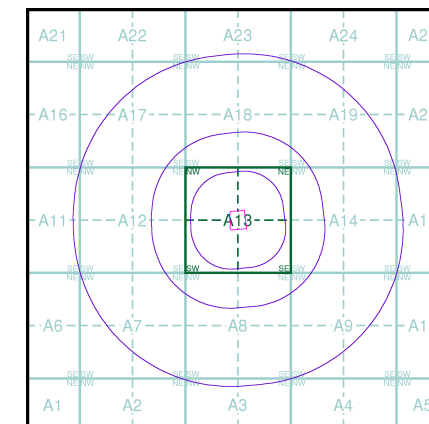
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
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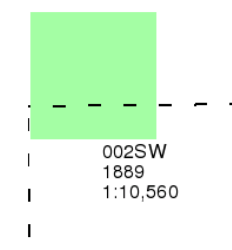
Worcestershire

Published 1889

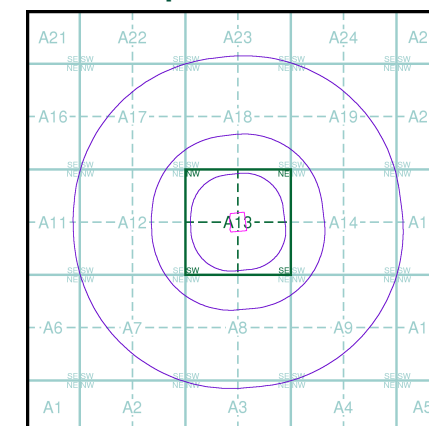
Source map scale - 1:10,560

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Historical Map - Slice A



Order Details

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Staffordshire

Published 1904

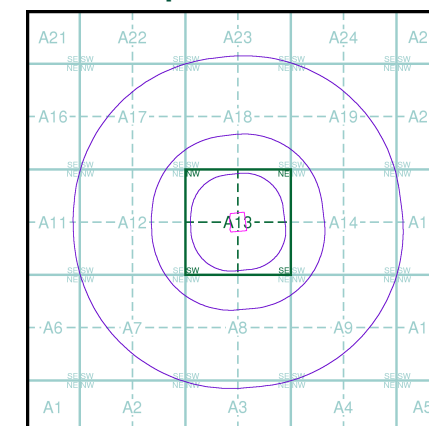
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

068NW
1904
1:10,560
068SW
1904
1:10,560

Historical Map - Slice A



Order Details

Order Number: 48671021_1_1
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Site Area (Ha): 1.17
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Site Details

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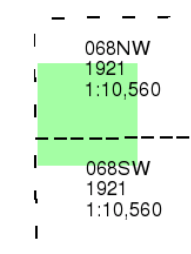
Staffordshire

Published 1921

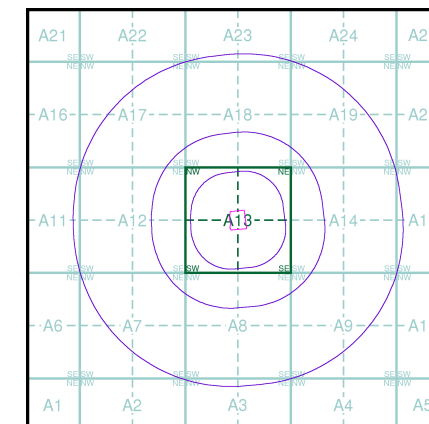
Source map scale - 1:10,560

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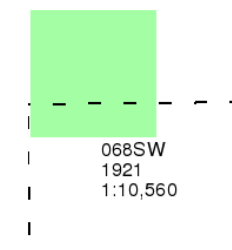
Staffordshire

Published 1921

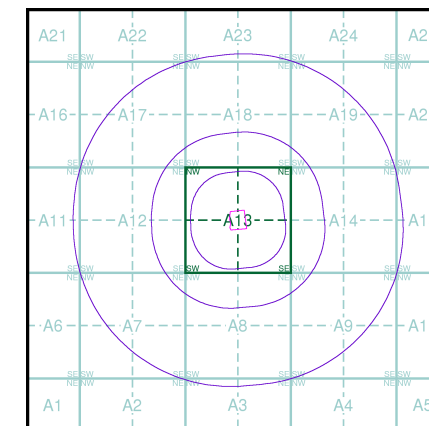
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details

TIPTON WASTE TRANSFER STATION, BAGNELL STREET
INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
Midlands, DY4 7BS



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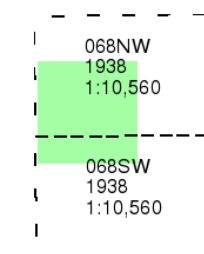
Staffordshire

Published 1938

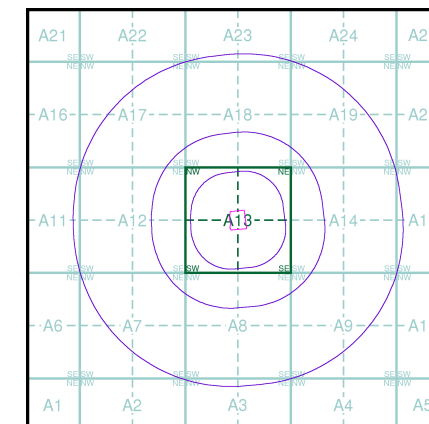
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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Staffordshire

Published 1938

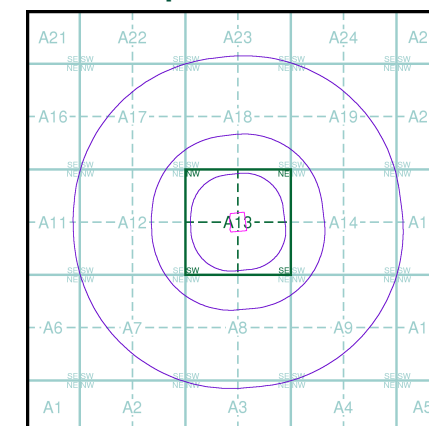
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

068NW
1938
1:10,560
068SW
1938
1:10,560

Historical Map - Slice A



Order Details

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Historical Aerial Photography

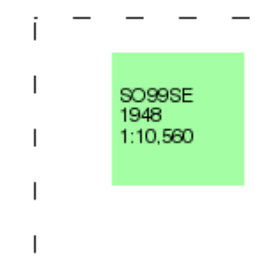
Published 1948

Source map scale - 1:10,560

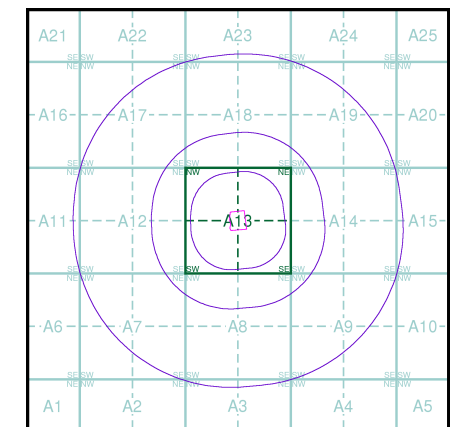
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



Order Details

Order Number: 48671021_1_1
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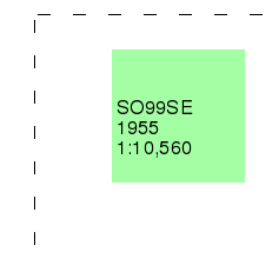
Ordnance Survey Plan

Published 1955

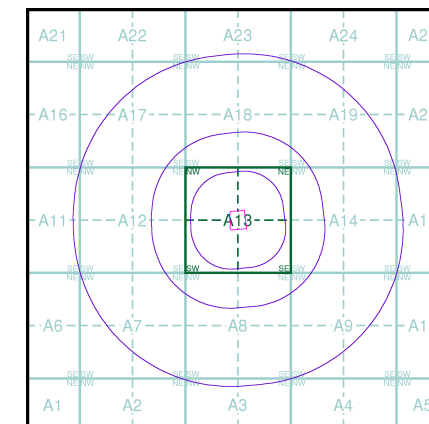
Source map scale - 1:10,000

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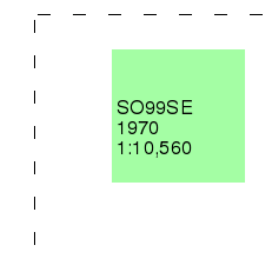
Ordnance Survey Plan

Published 1970

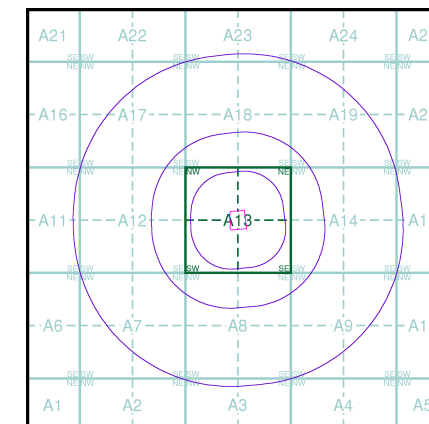
Source map scale - 1:10,000

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Historical Map - Slice A



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Birmingham

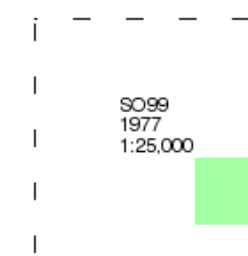
Published 1977

Source map scale - 1:25,000

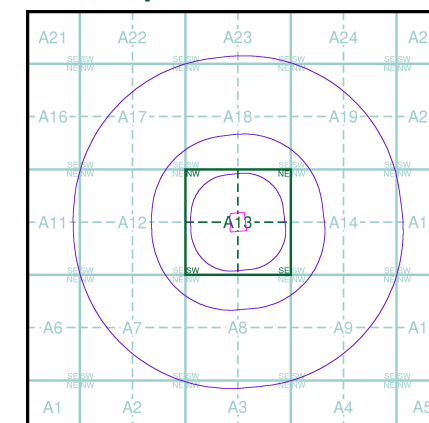
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

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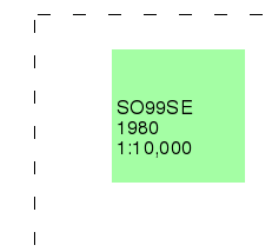
Ordnance Survey Plan

Published 1980

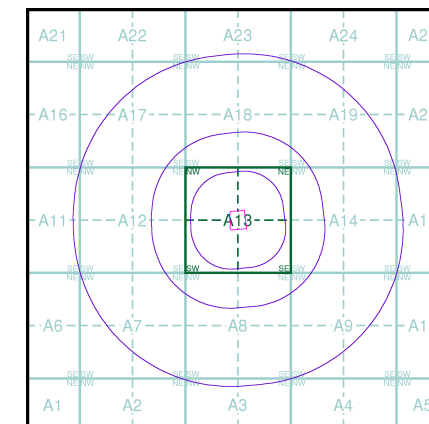
Source map scale - 1:10,000

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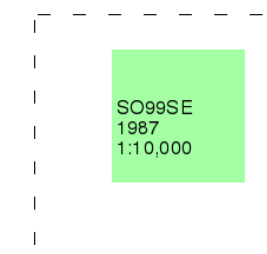
Ordnance Survey Plan

Published 1987

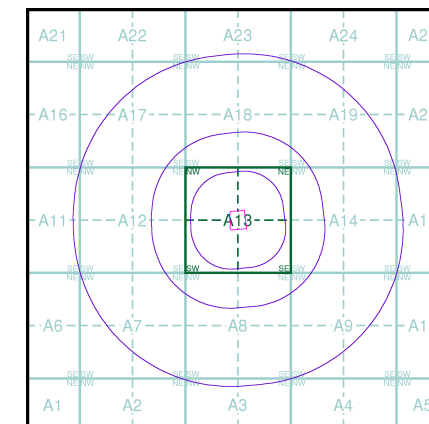
Source map scale - 1:10,000

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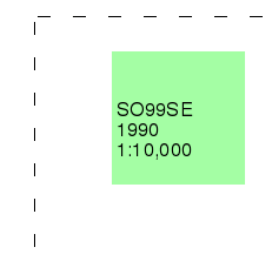
Ordnance Survey Plan

Published 1990

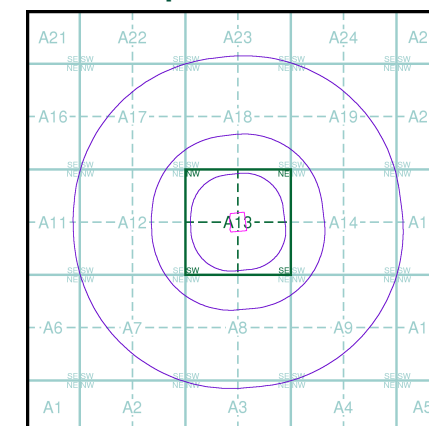
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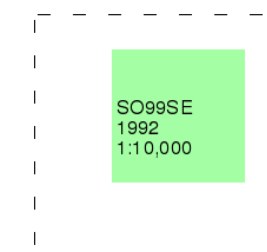
Ordnance Survey Plan

Published 1992

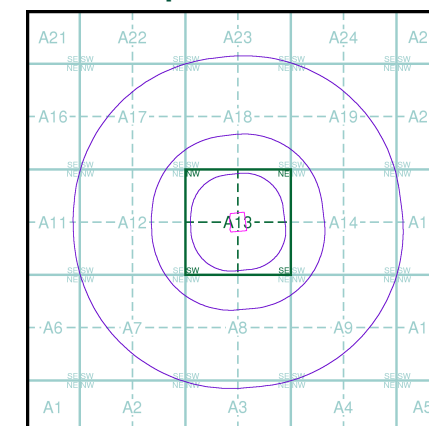
Source map scale - 1:10,000

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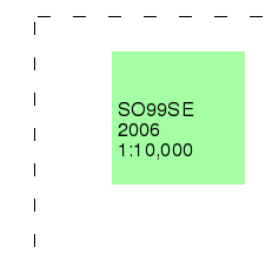
10k Raster Mapping

Published 2006

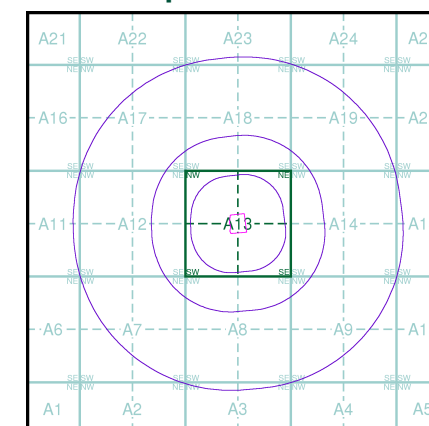
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 48671021_1_1
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Site Details

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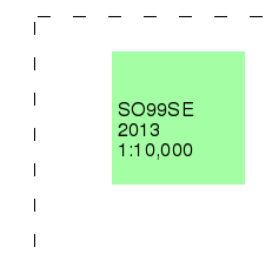
10k Raster Mapping

Published 2013

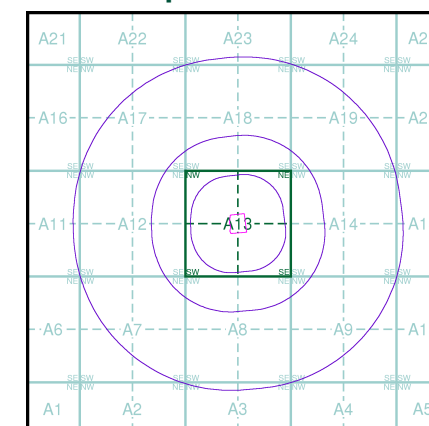
Source map scale - 1:10,000

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Historical Map - Slice A



Order Details

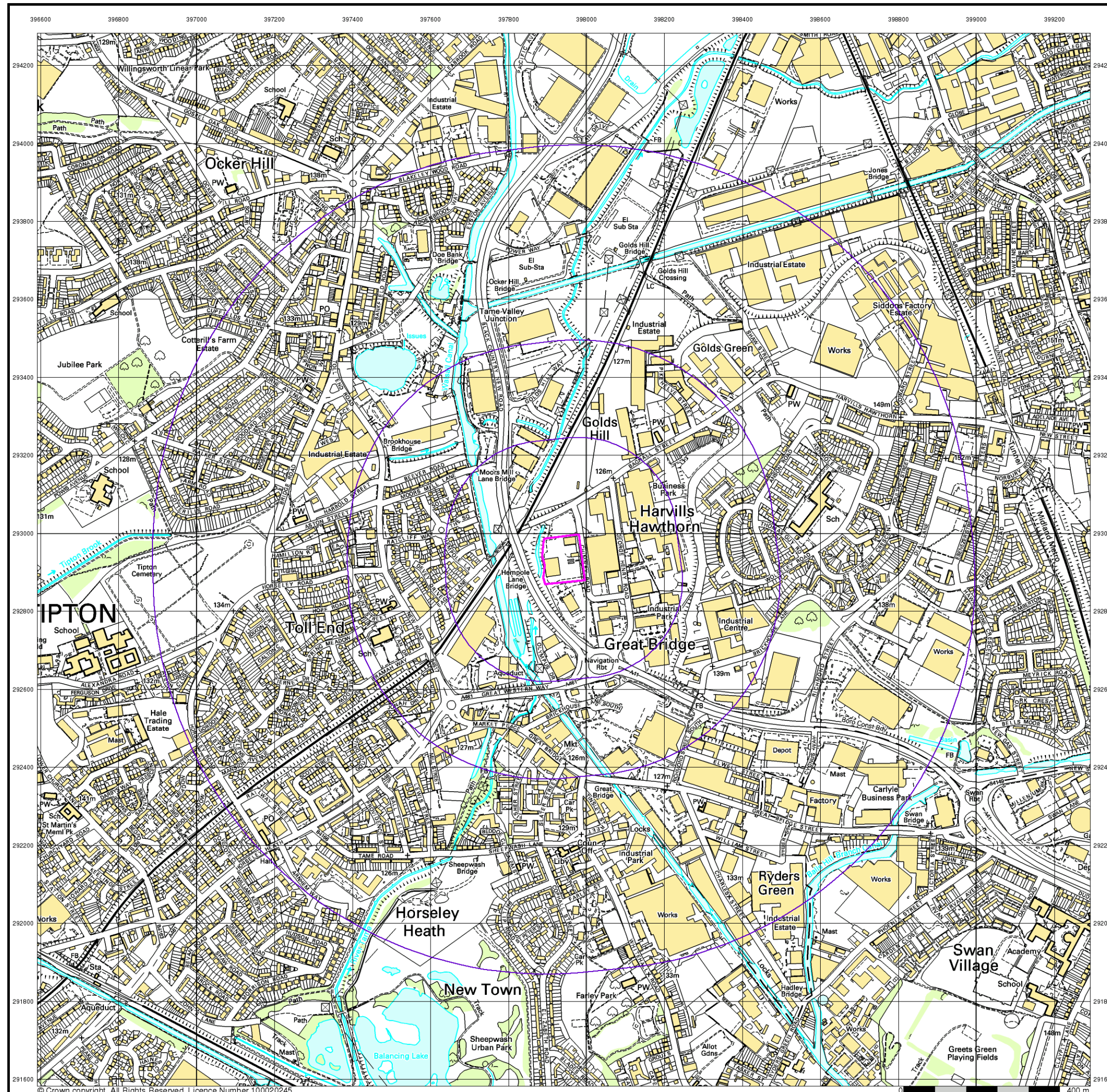
Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

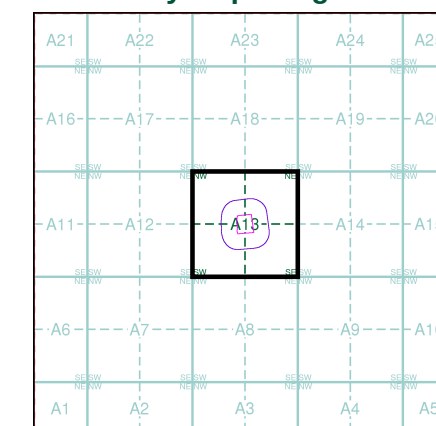
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Segment A13



Order Details

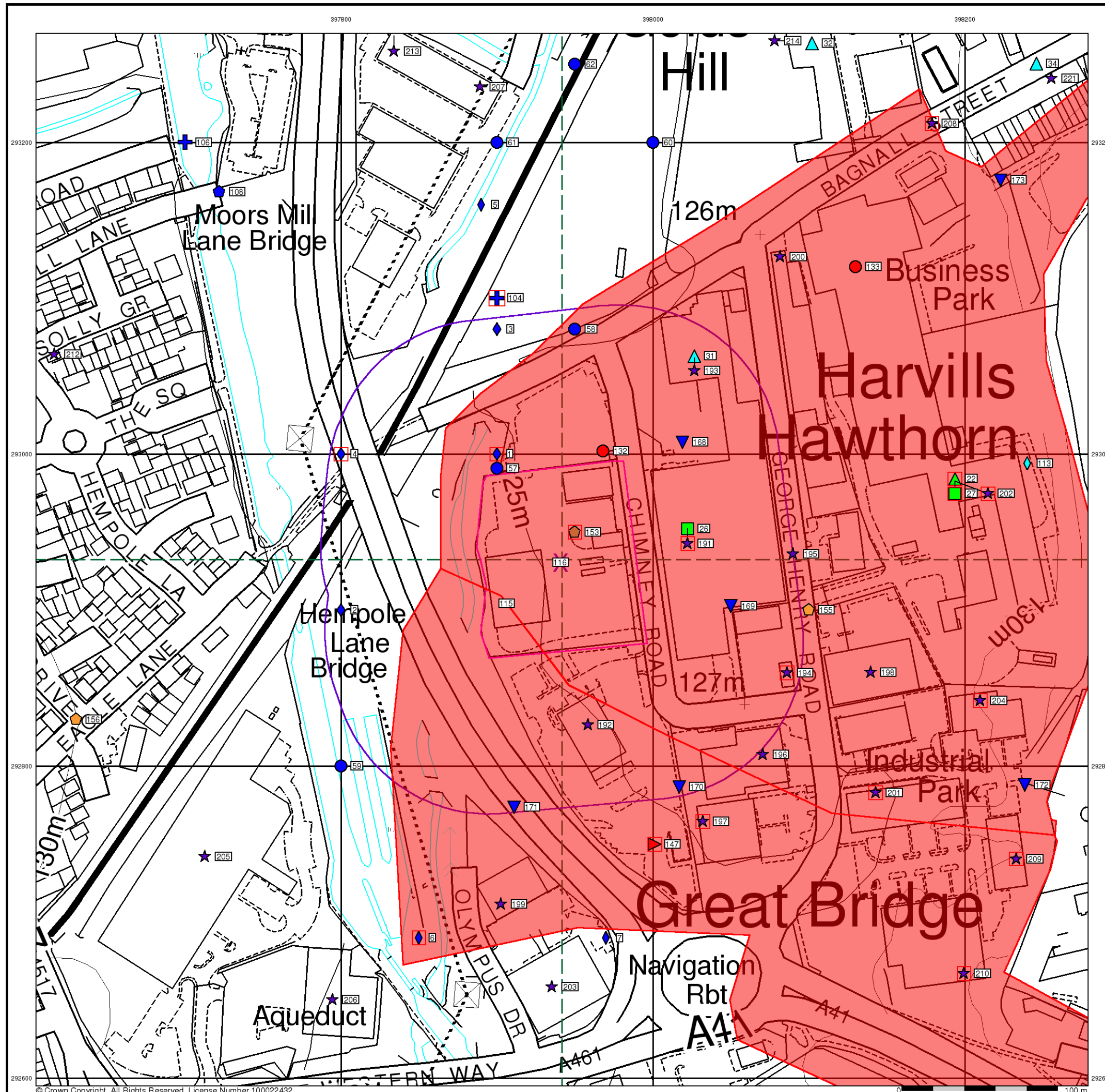
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- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Prosecution Relating to Authorised Processes
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

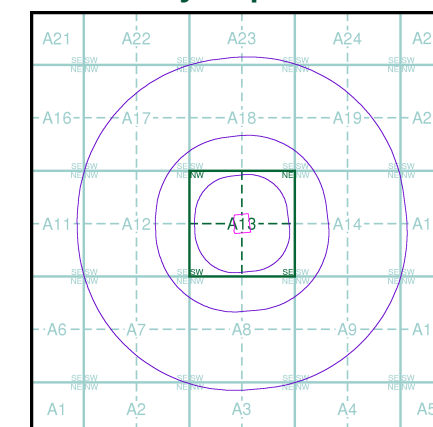
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice A



Order Details

Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details

TIPTON WASTE TRANSFER STATION, BAGNELL STREET
INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
Midlands, DY4 7BS



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



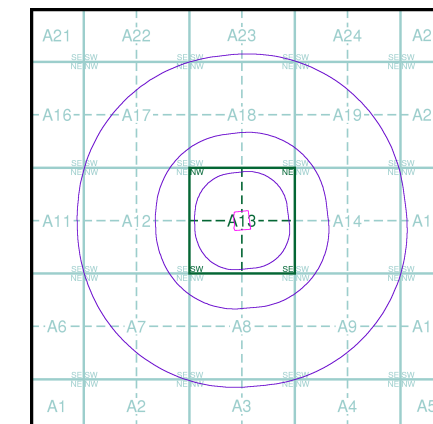
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

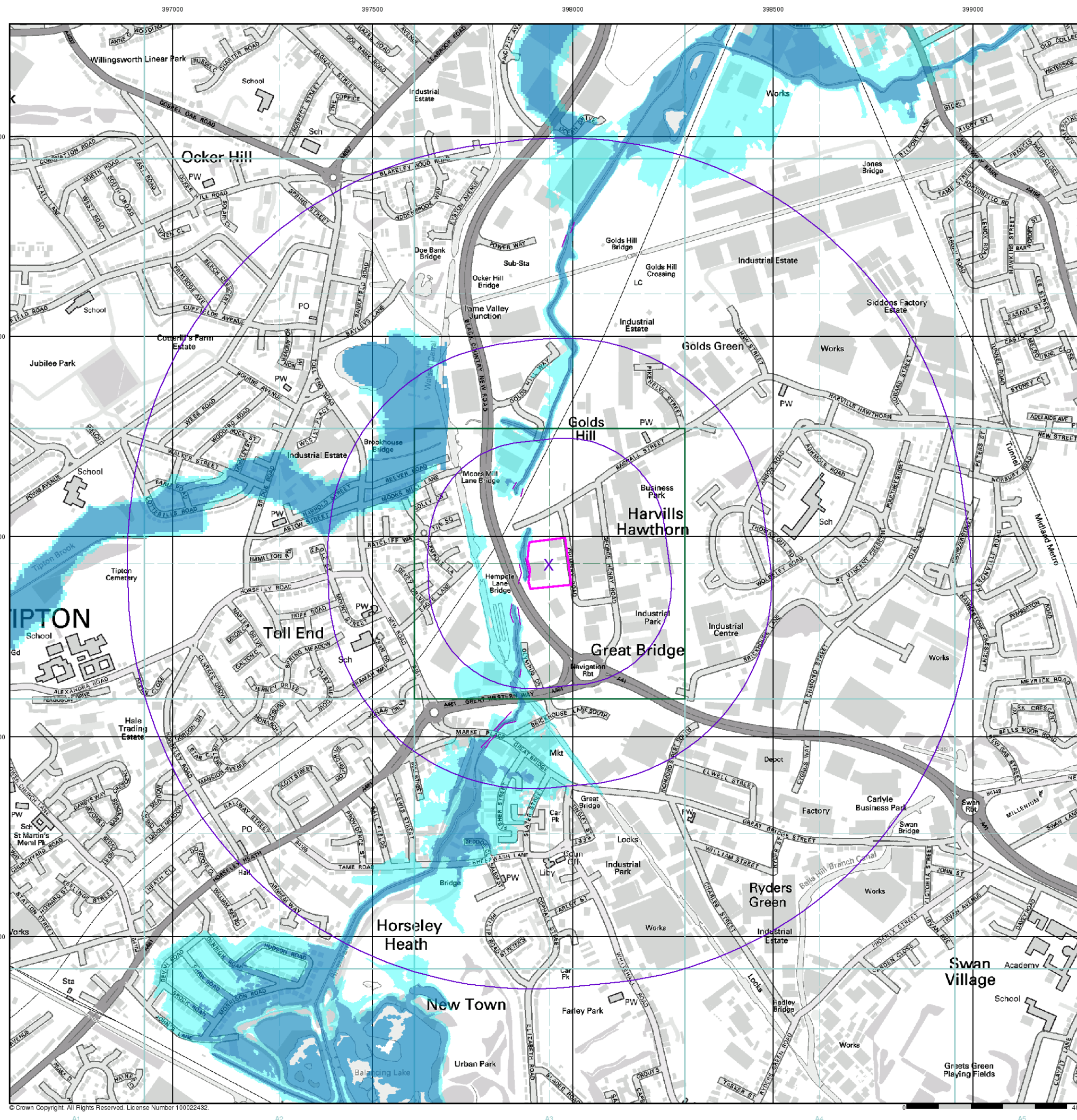
Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

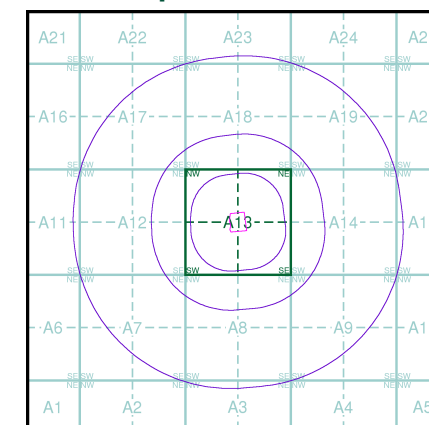
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

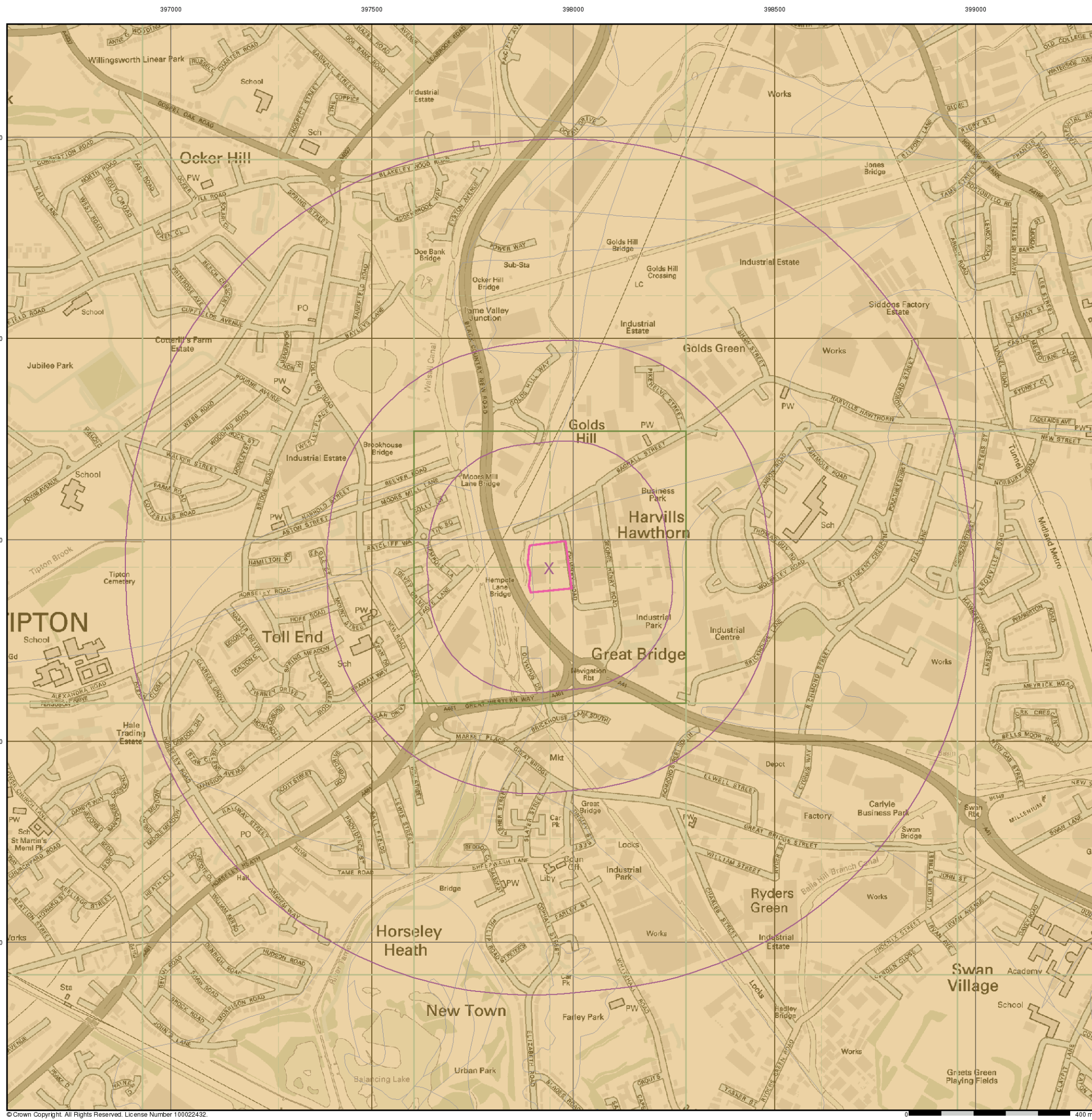
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Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details

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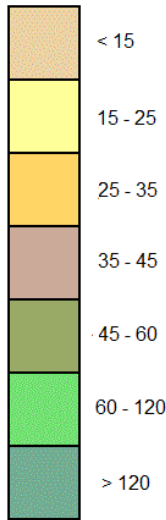


General

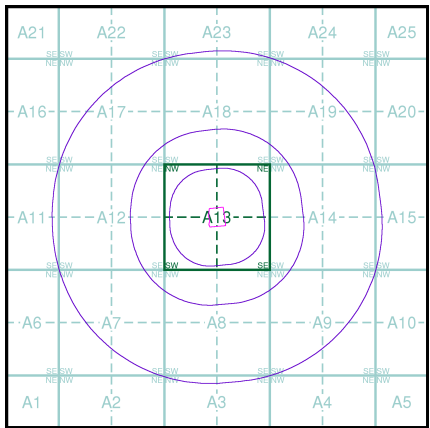
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

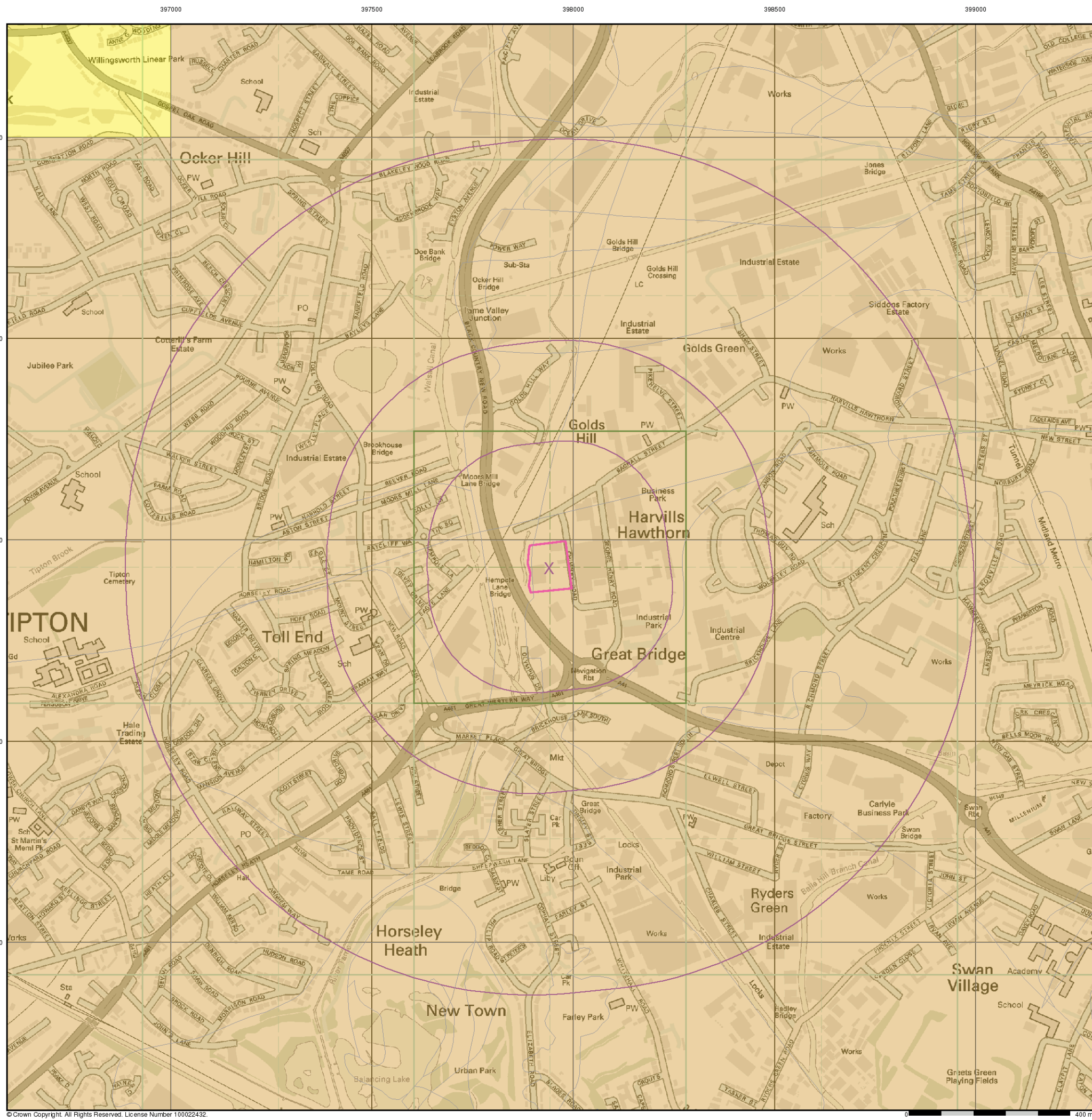
Order Details: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details

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INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
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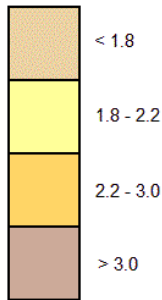


General

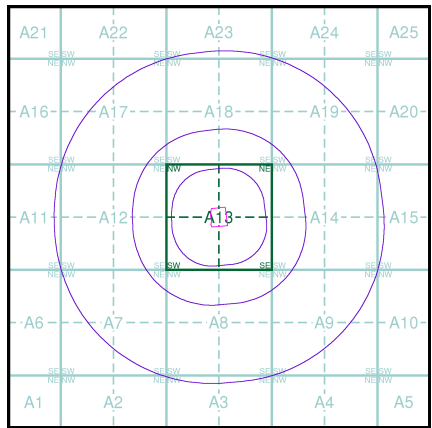
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

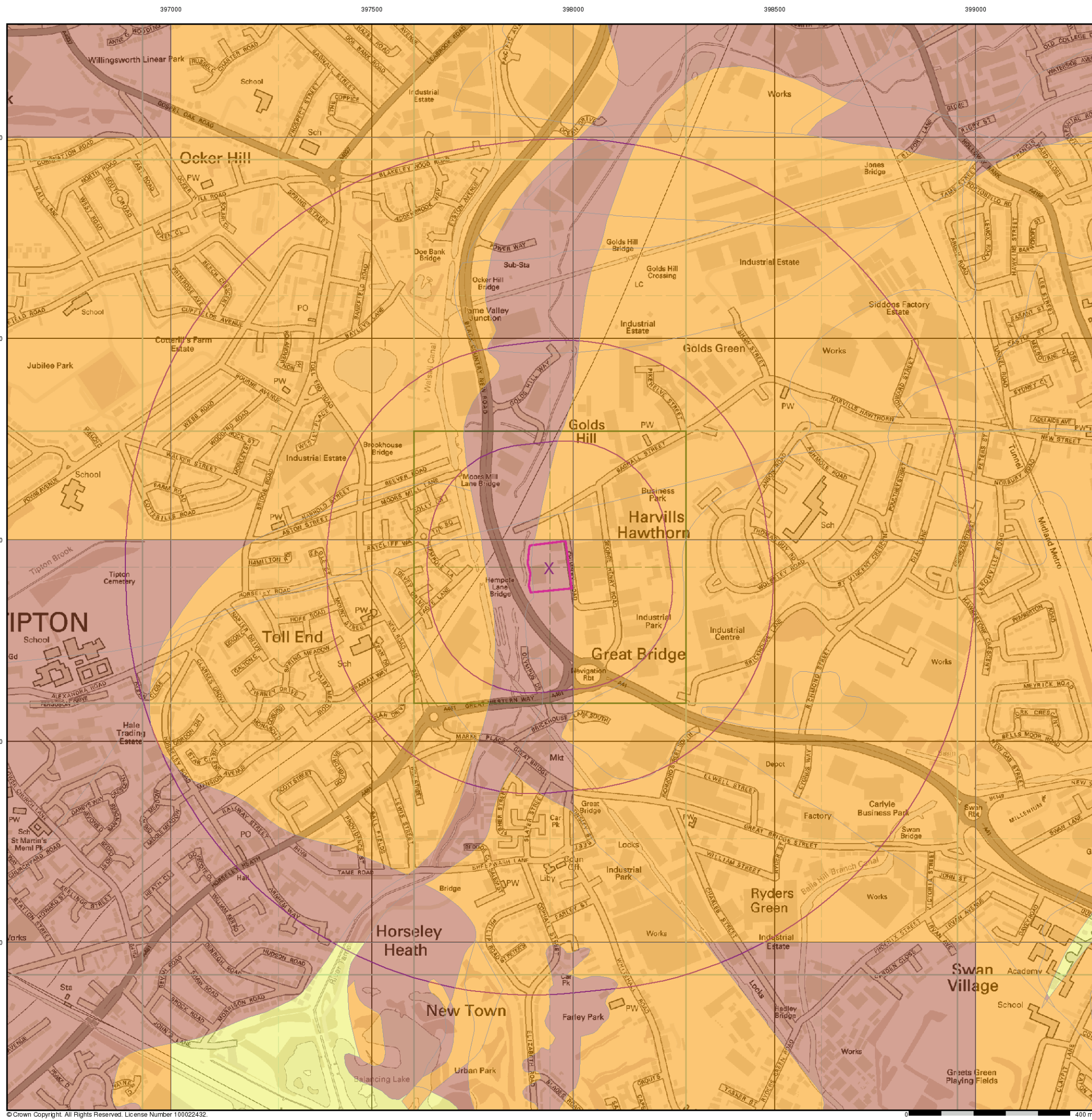
Order Details: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details

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INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
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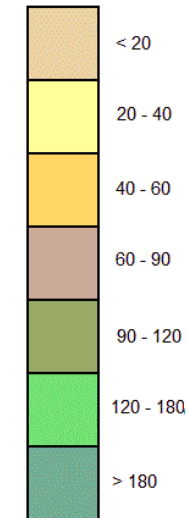


General

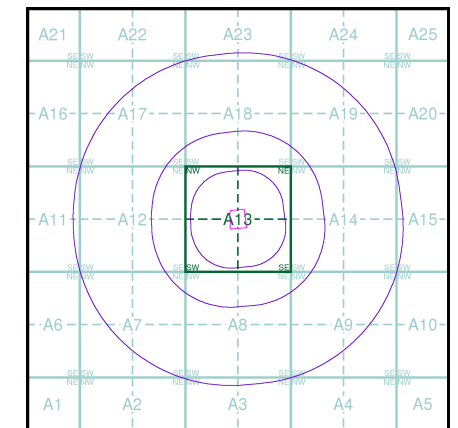
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

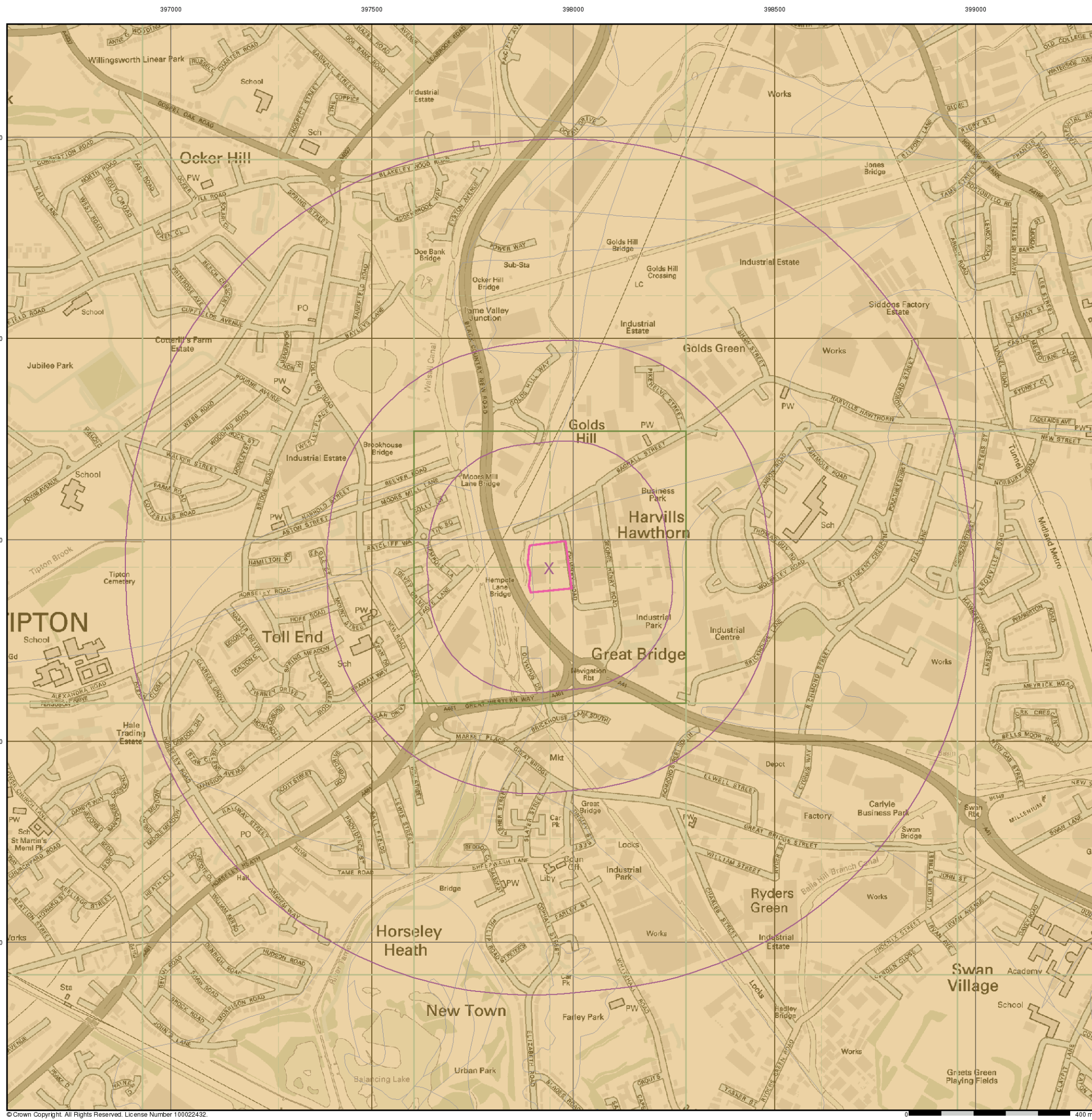
Order Details: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details

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INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
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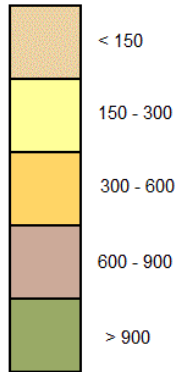


General

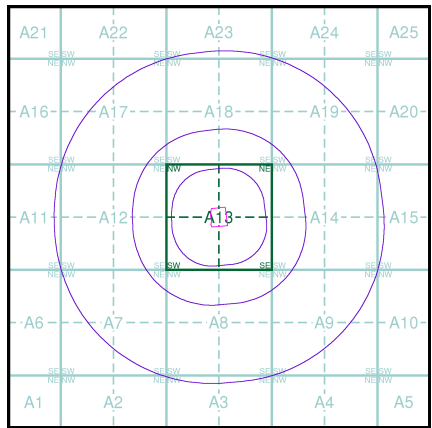
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

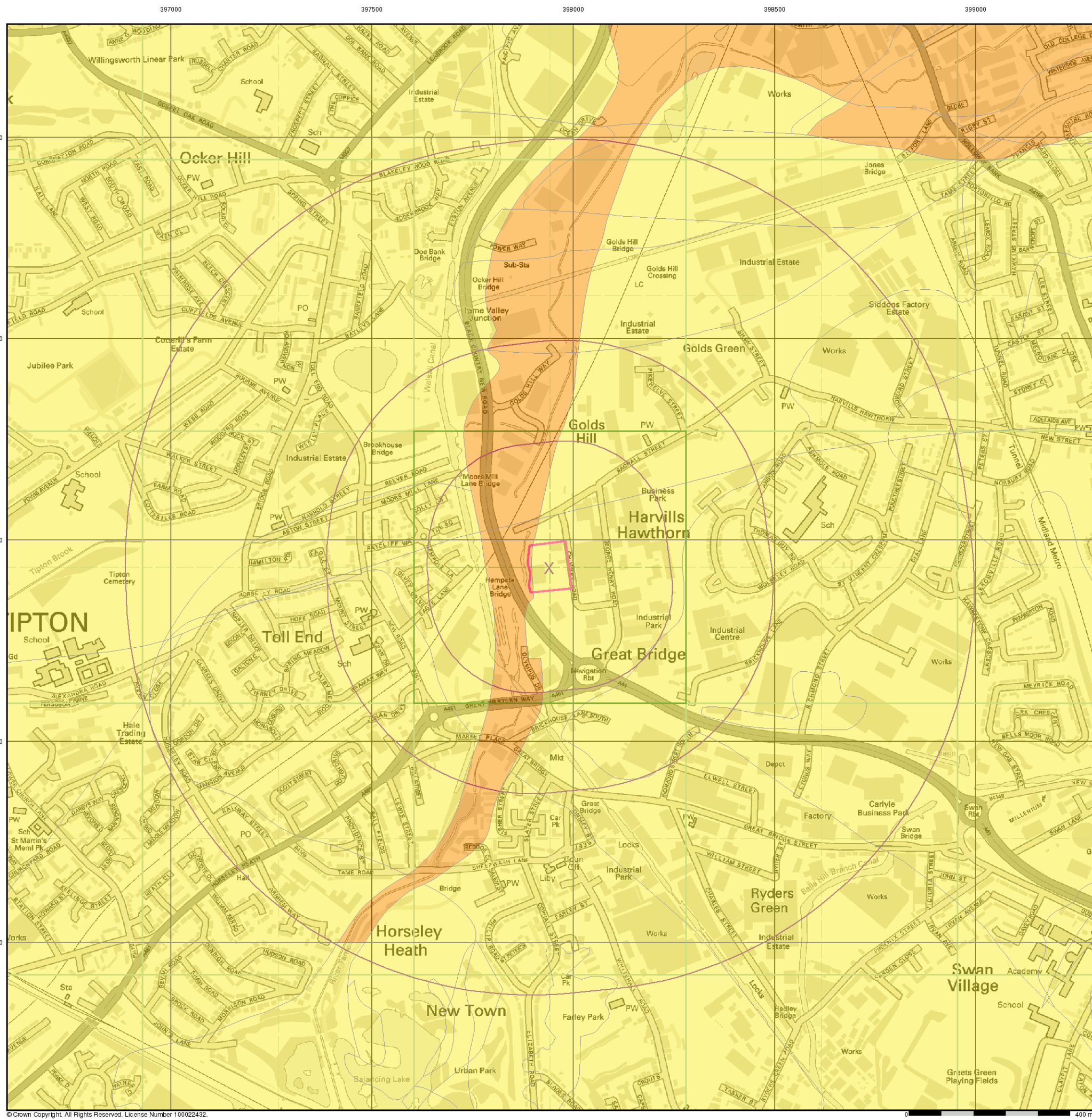
Order Details: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details

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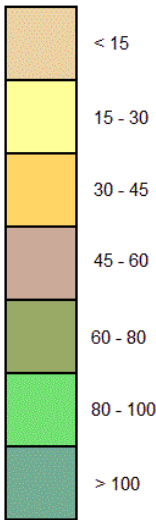


General

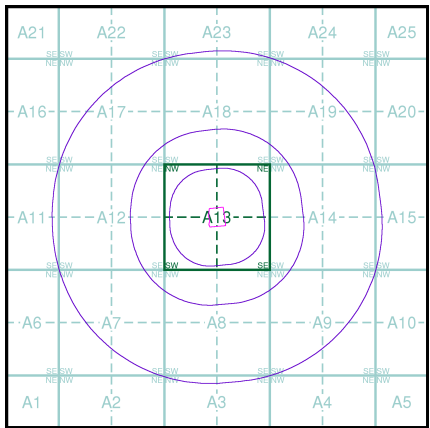
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details

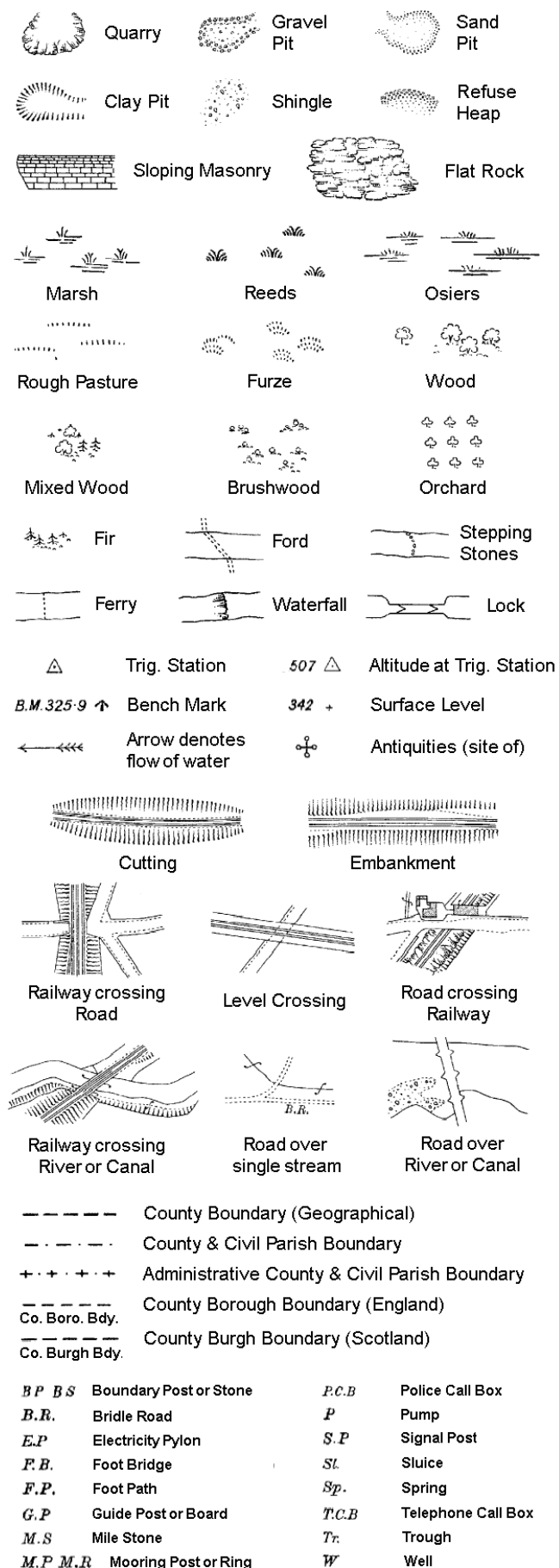
TIPTON WASTE TRANSFER STATION, BAGNELL STREET
INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
Midlands, DY4 7BS



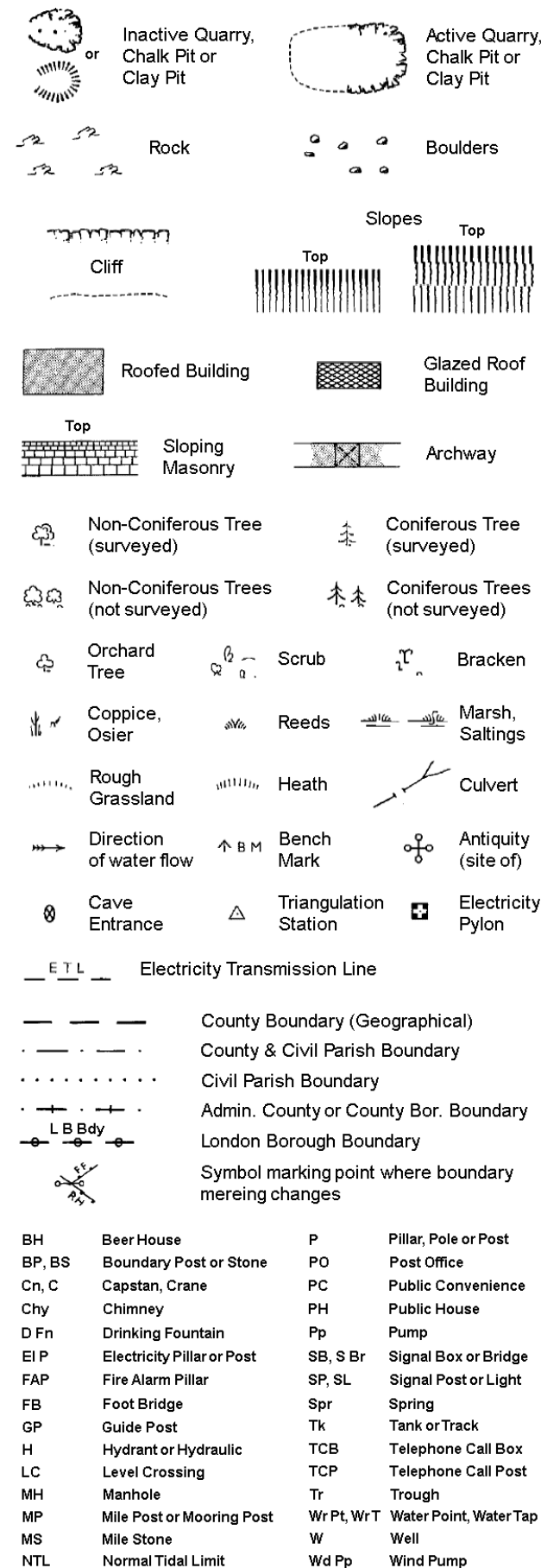
Tel: 0844 844 9952
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Web: www.envirocheck.co.uk

Historical Mapping Legends

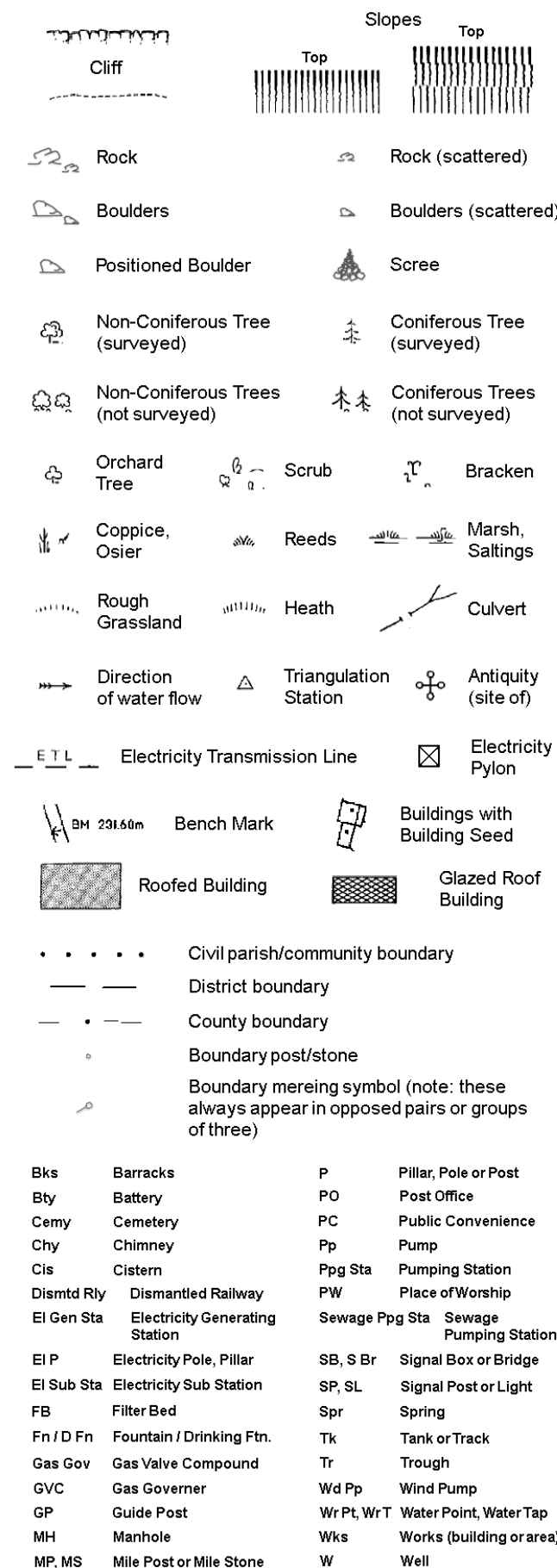
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



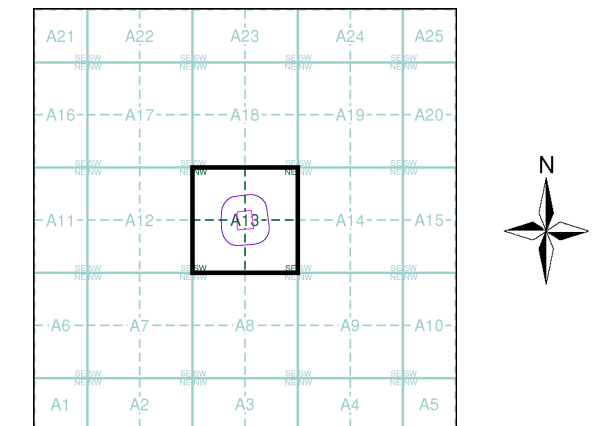
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Staffordshire	1:2,500	1890	2
Staffordshire	1:2,500	1904	3
Staffordshire	1:2,500	1919	4
Staffordshire	1:2,500	1938	5
Ordnance Survey Plan	1:1,250	1965 - 1966	6
Ordnance Survey Plan	1:2,500	1966 - 1967	7
Ordnance Survey Plan	1:1,250	1973	8
Additional SIMs	1:1,250	1978 - 1988	9
Additional SIMs	1:1,250	1988 - 1991	10
Additional SIMs	1:1,250	1991 - 1992	11
Large-Scale National Grid Data	1:1,250	1992	12
Large-Scale National Grid Data	1:1,250	1993 - 1994	13
Large-Scale National Grid Data	1:1,250	1994 - 1995	14
Large-Scale National Grid Data	1:1,250	1995	15

Historical Map - Segment A13



Order Details

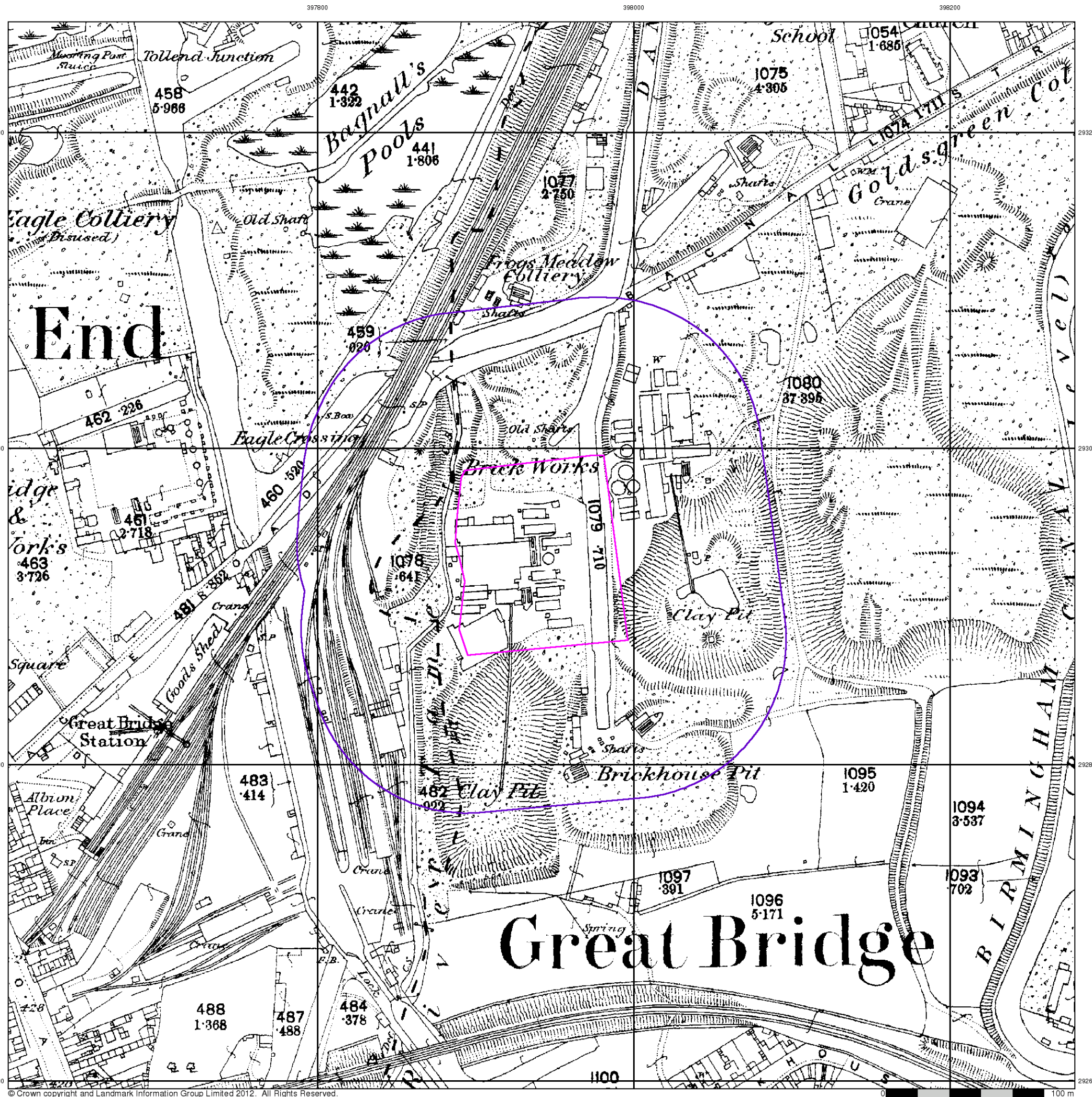
Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 100

Site Details

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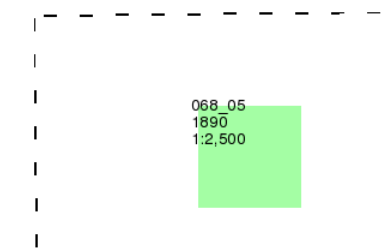
Staffordshire

Published 1890

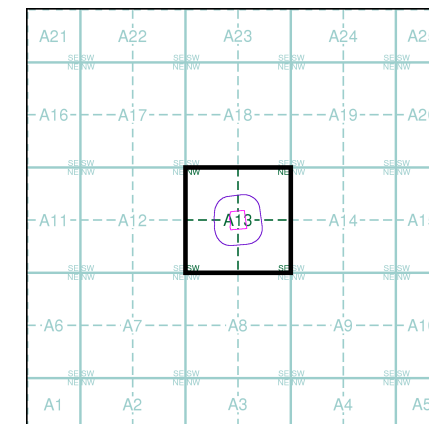
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

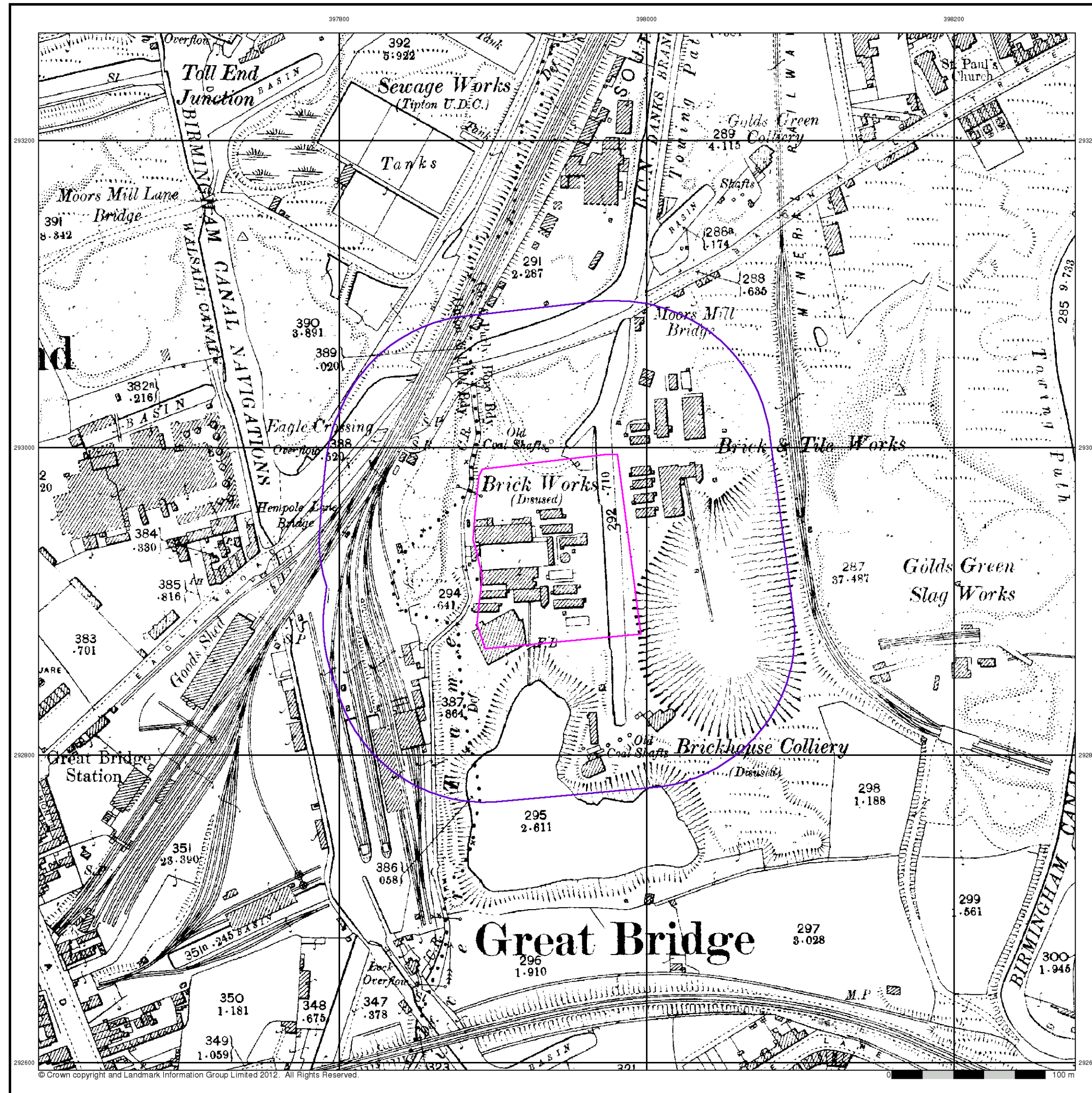
Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 100

Site Details

TIPTON WASTE TRANSFER STATION, BAGNELL STREET
INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
Midlands, DY4 7BS



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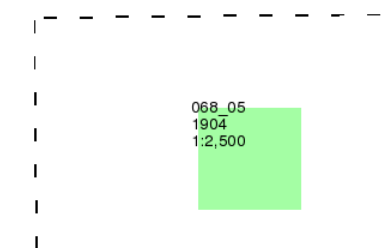
Staffordshire

Published 1904

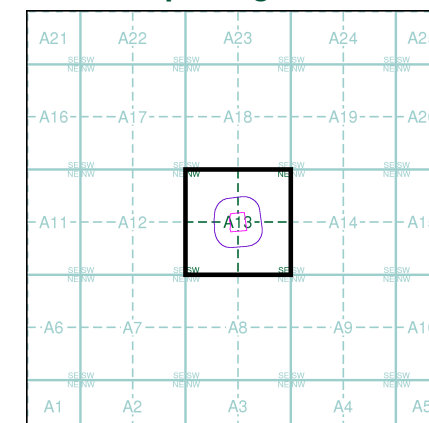
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 100

Site Details

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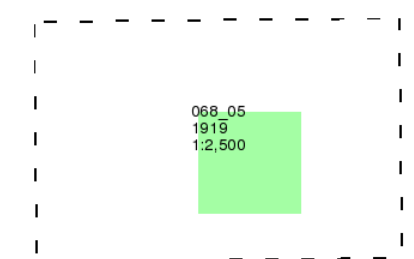
Staffordshire

Published 1919

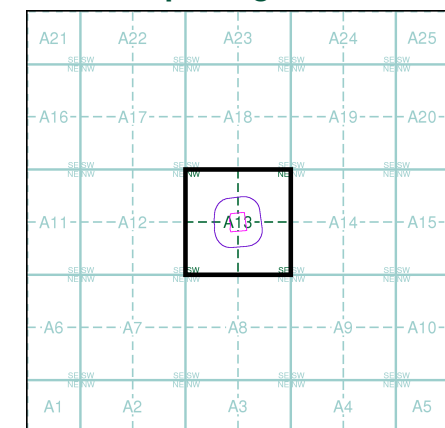
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

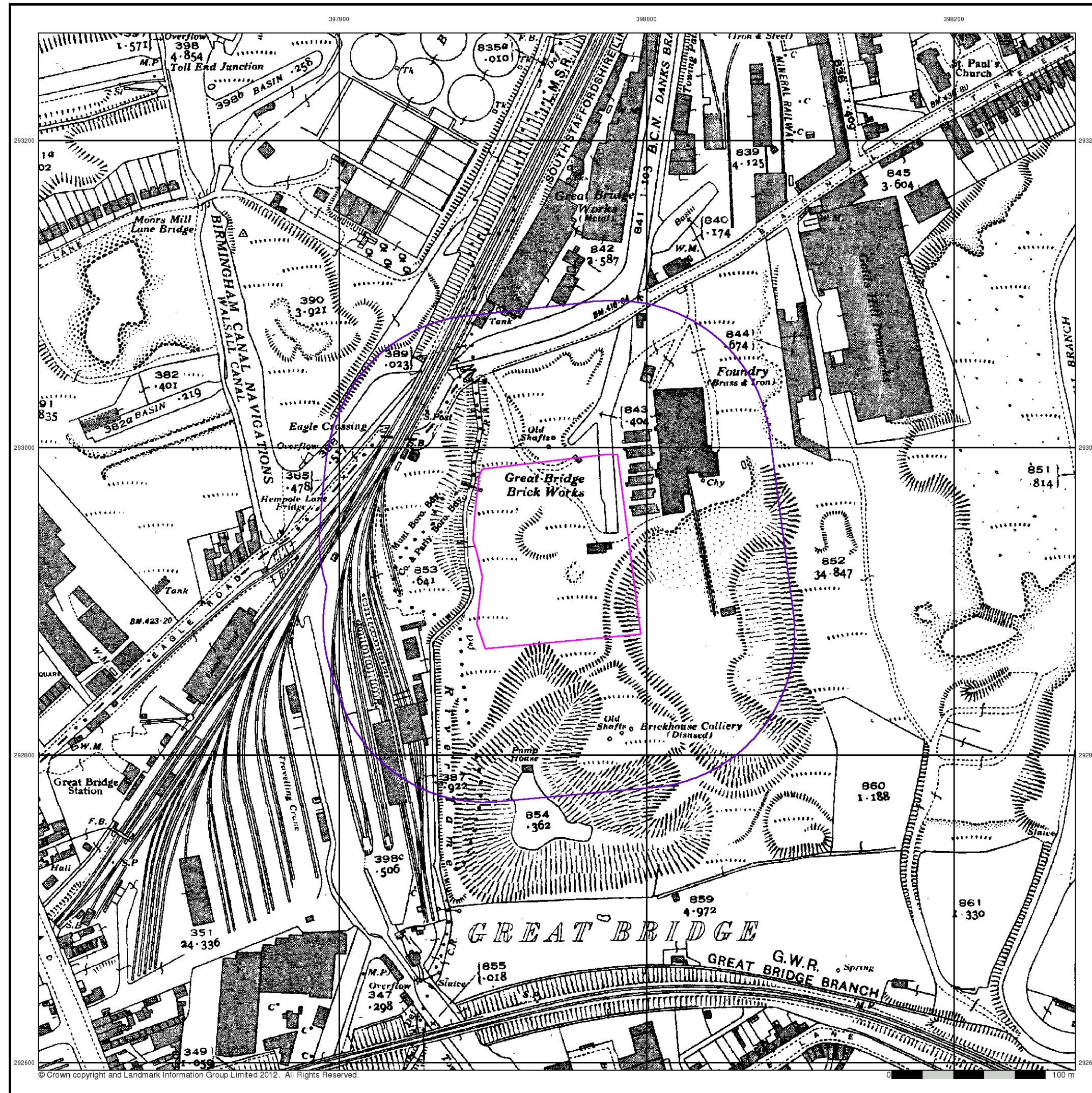
Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 100

Site Details

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INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West Midlands, DY4 7BS



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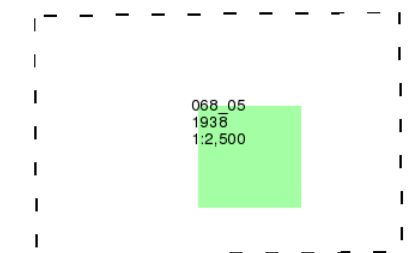
Staffordshire

Published 1938

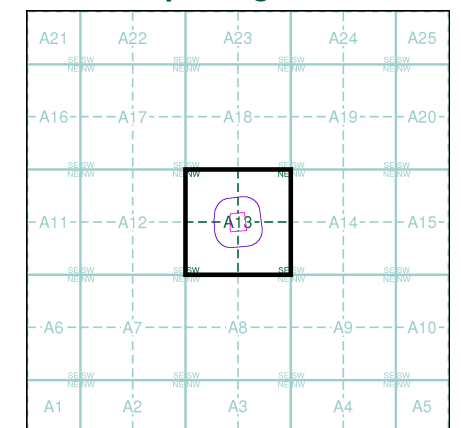
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 100

Site Details

TIPTON WASTE TRANSFER STATION, BAGNELL STREET
INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West Midlands, DY4 7BS



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Ordnance Survey Plan

Published 1965 - 1966

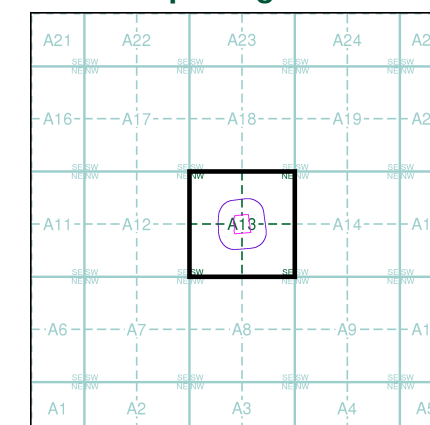
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SO9793SE 1966 1:1,250	SO9893SW 1965 1:1,250
SO9792NE 1966 1:1,250	SO9892NW 1965 1:1,250

Historical Map - Segment A13



Order Details

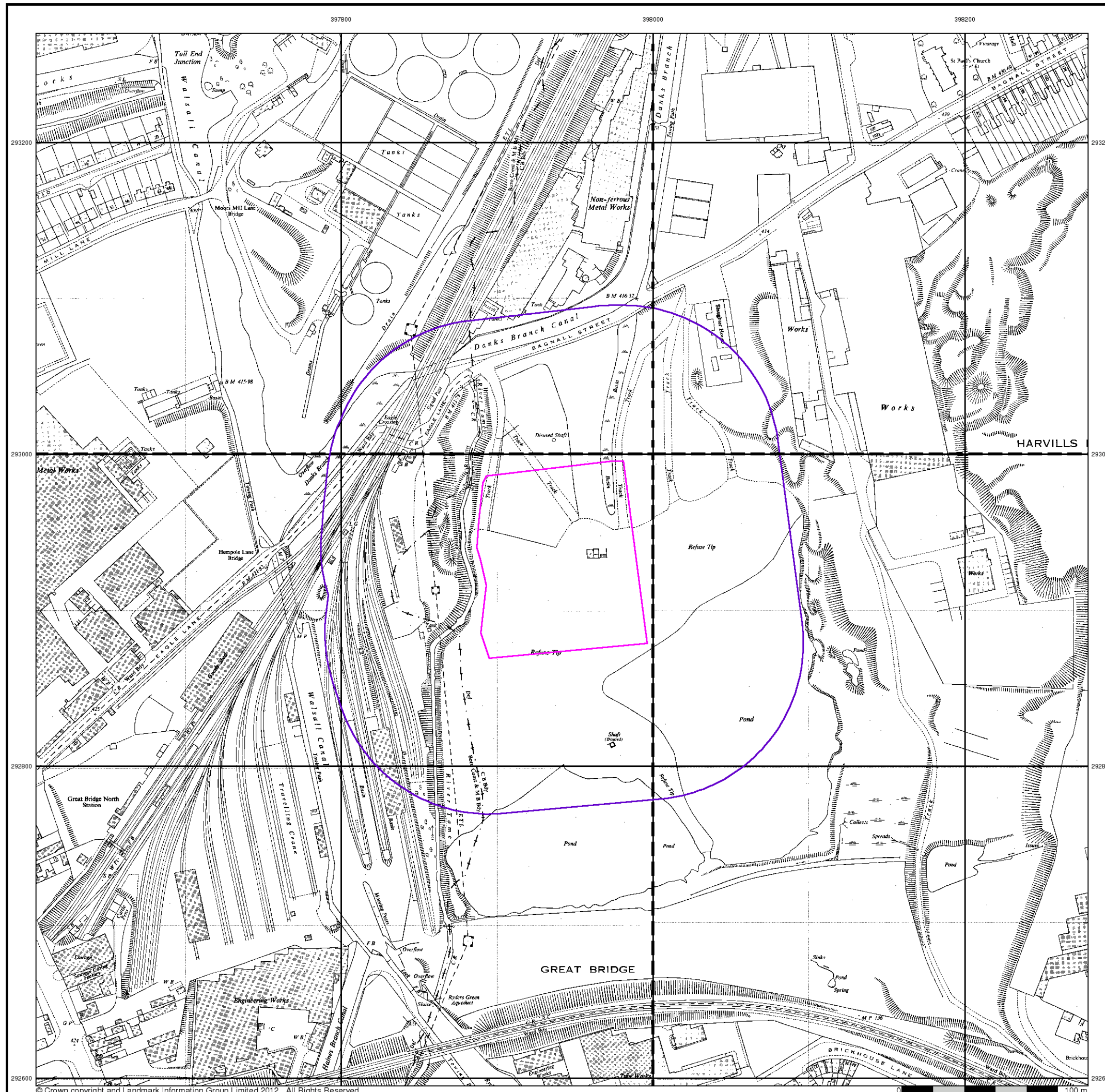
Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 100

Site Details

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INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
Midlands, DY4 7BS



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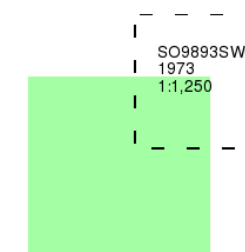
Ordnance Survey Plan

Published 1973

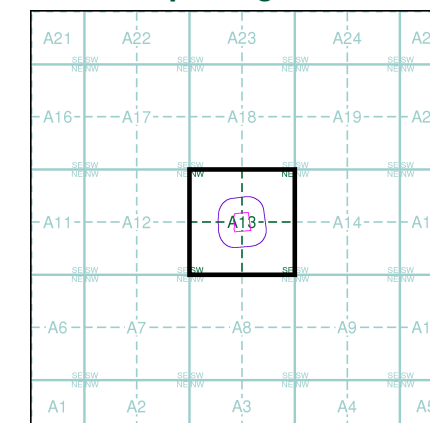
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

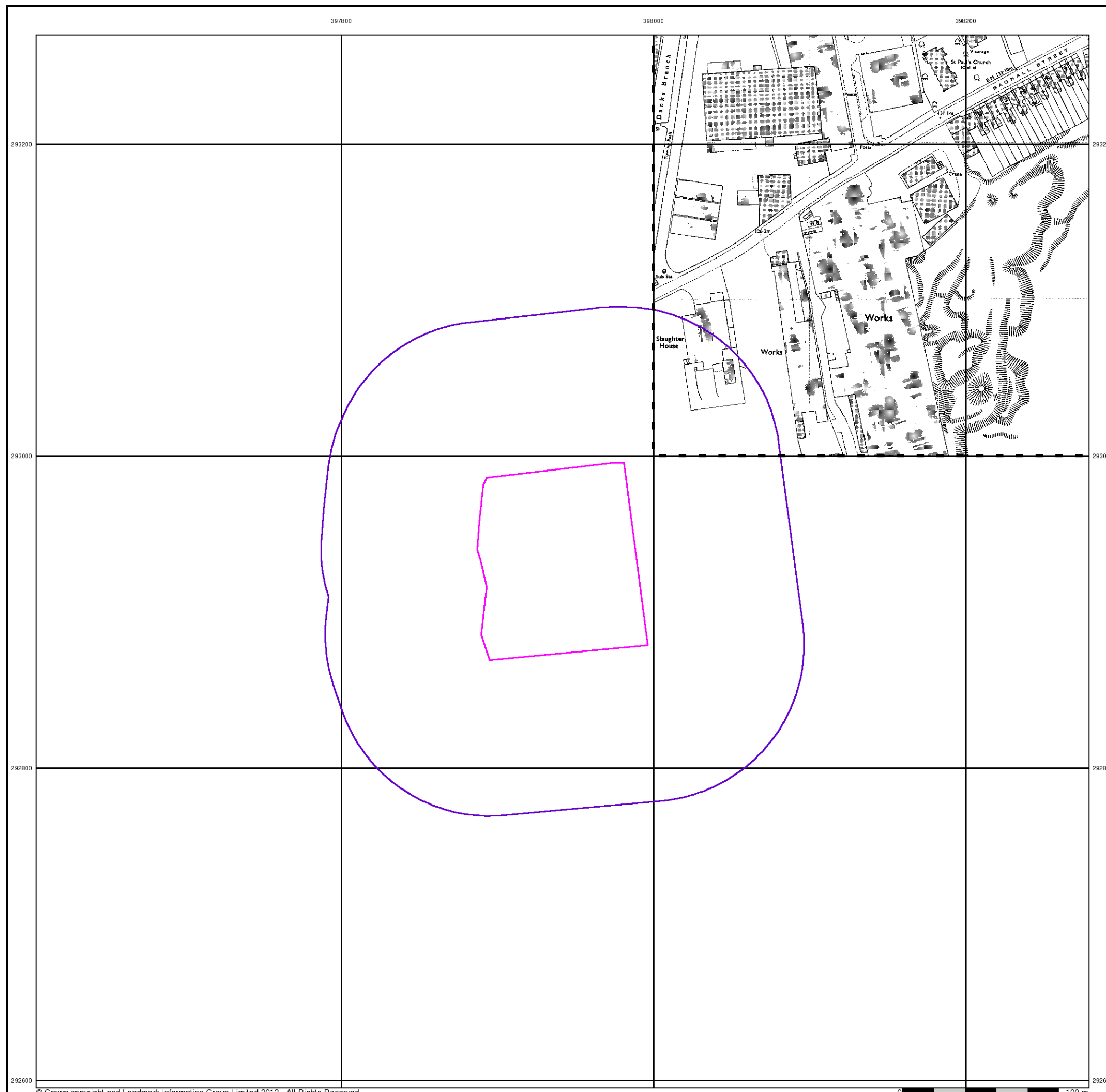
Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 100

Site Details

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Midlands, DY4 7BS



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Additional SIMs

Published 1978 - 1988

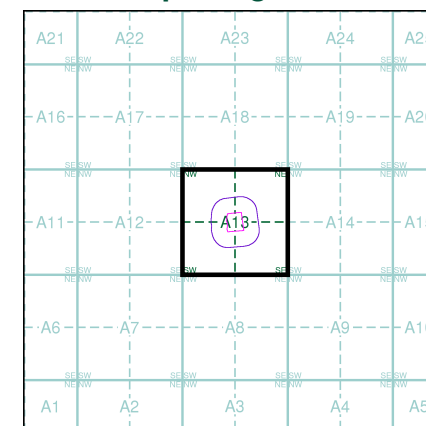
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SO9793SE 1978 1:1,250	SO9893SW 1988 1:1,250
SO9792NE 1980 1:1,250	SO9892NW 1988 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1988 - 1991

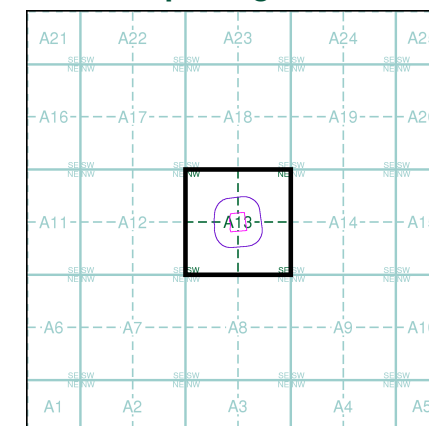
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SO9793SE 1989 1:1,250	SO9893SW 1991 1:1,250
SO9792NE 1988 1:1,250	SO9892NW 1991 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 100

Site Details

TIPTON WASTE TRANSFER STATION, BAGNELL STREET
INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
Midlands, DY4 7BS



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Additional SIMs

Published 1991 - 1992

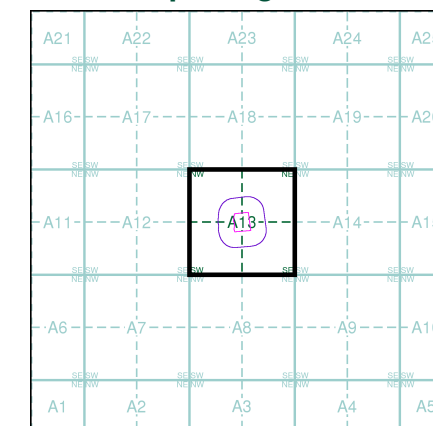
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The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SO9793SE 1991 1:1,250	
SO9792NE 1991 1:1,250	SO9892NW 1992 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
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Site Details

TIPTON WASTE TRANSFER STATION, BAGNELL STREET
INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
Midlands, DY4 7BS



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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Large-Scale National Grid Data

Published 1992

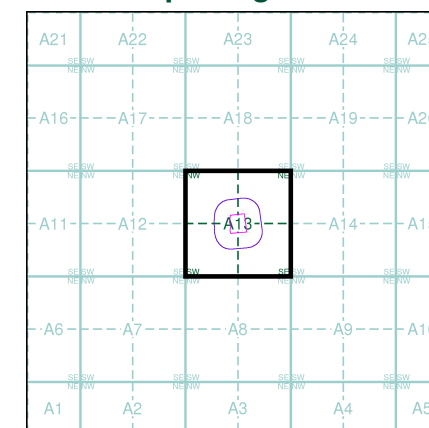
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SO9793SE 1992 1:1,250	SO9893SW 1992 1:1,250
SO9792NE 1992 1:1,250	SO9892NW 1992 1:1,250

Historical Map - Segment A13



Order Details

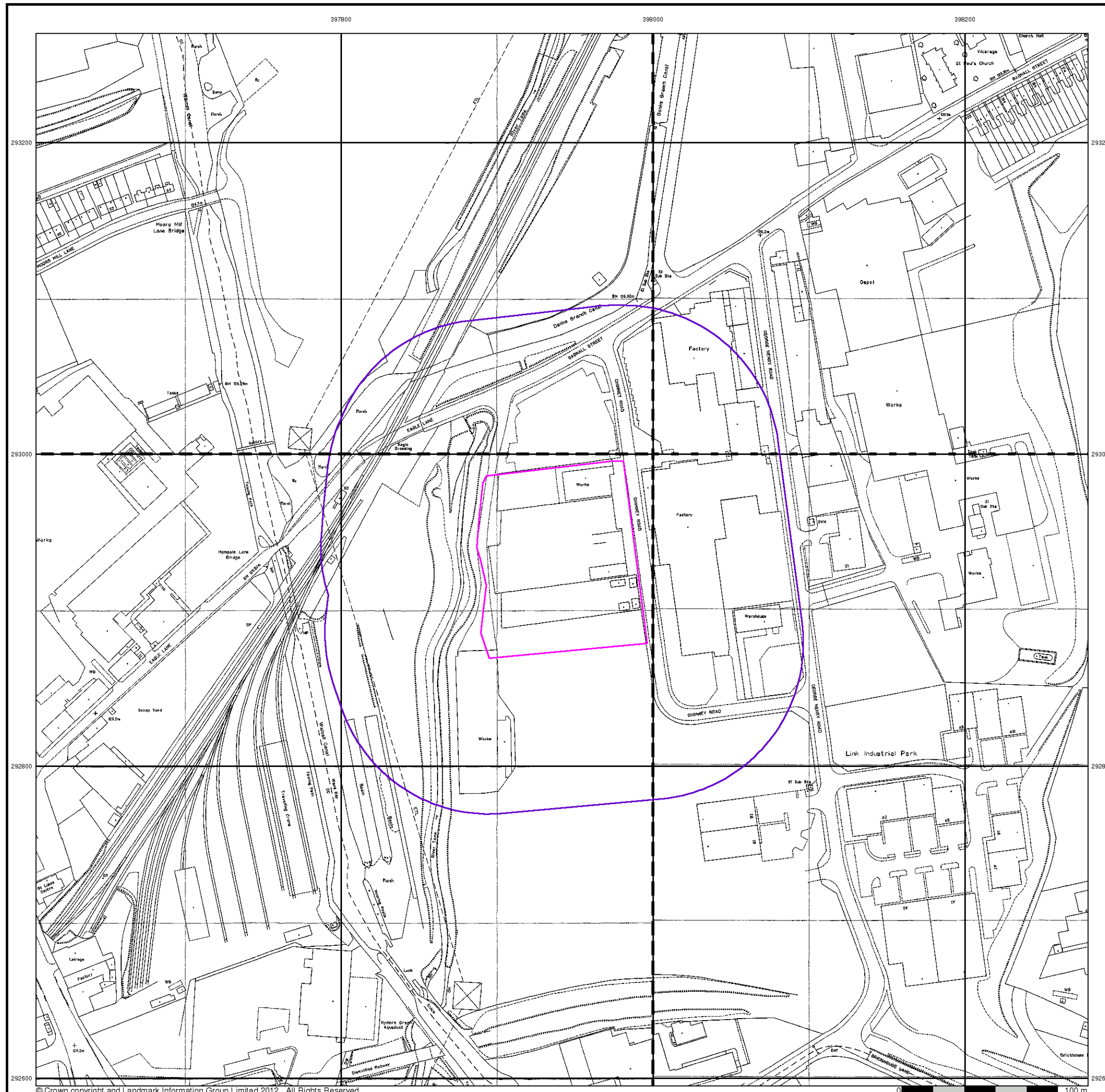
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National Grid Reference: 397940, 292930
Slice: A
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Site Details

TIPTON WASTE TRANSFER STATION, BAGNELL STREET
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Large-Scale National Grid Data

Published 1993 - 1994

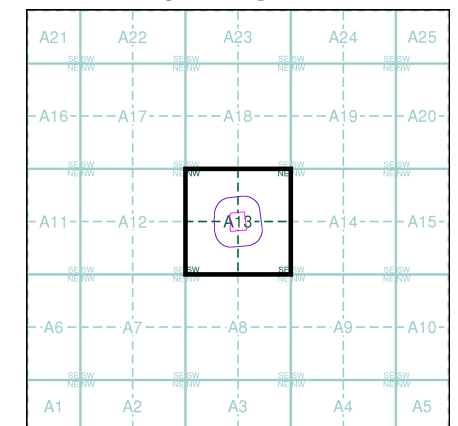
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'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SO9793SE	
1994	
1:1,250	
SO9792NE	SO9892NW
1993	1994
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

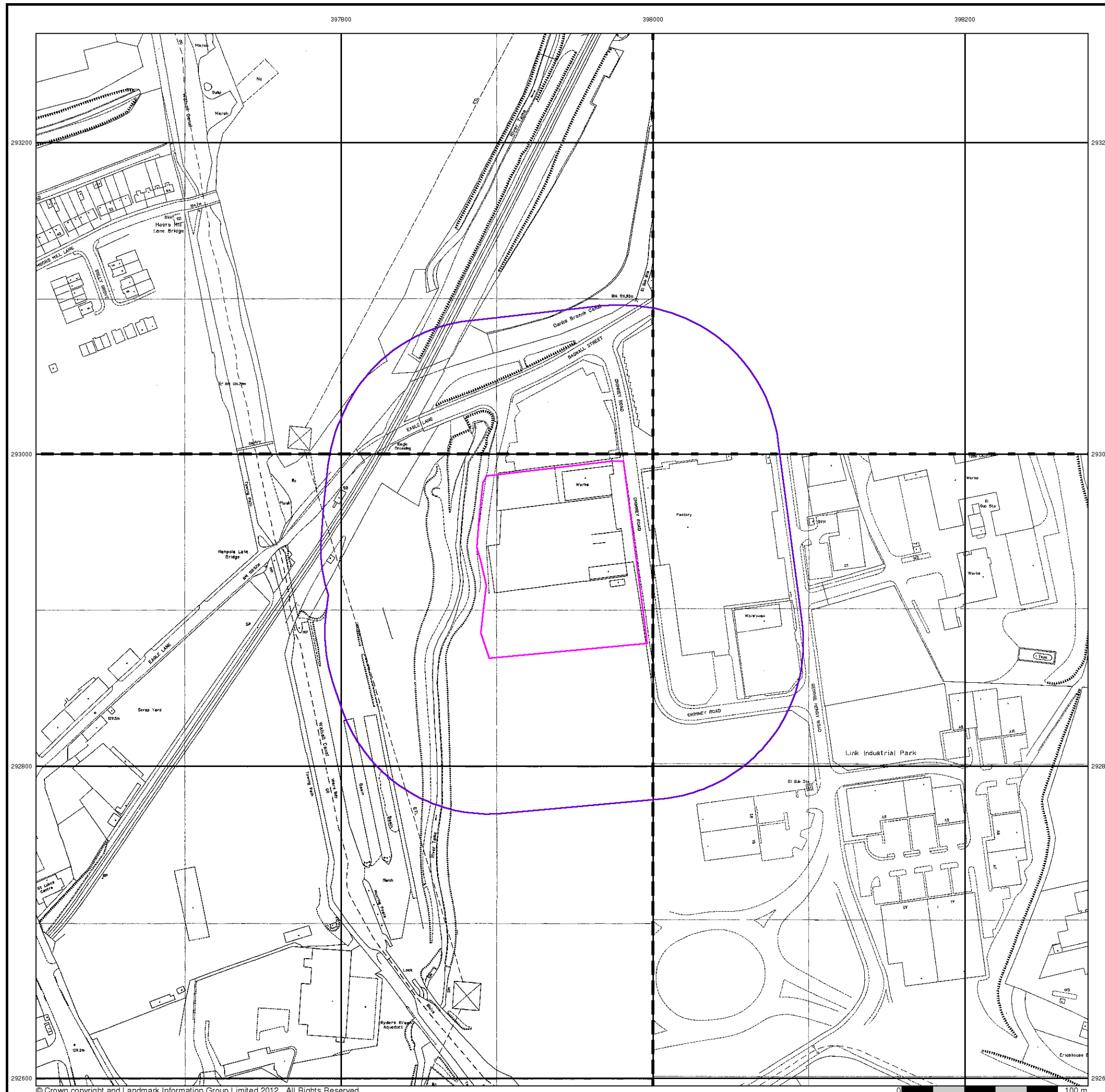
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Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 100

Site Details

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INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
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Large-Scale National Grid Data

Published 1994 - 1995

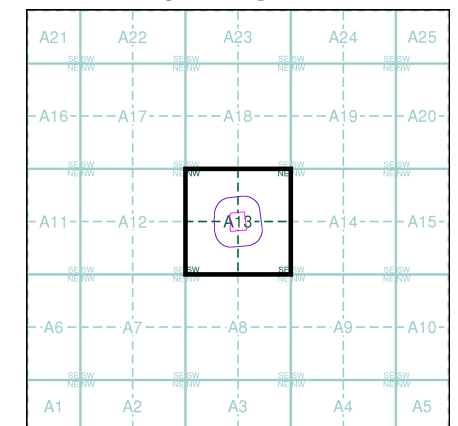
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Map Name(s) and Date(s)

SO9793SE	
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1:1,250	
SO9792NE	SO9892NW
1994	1995
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

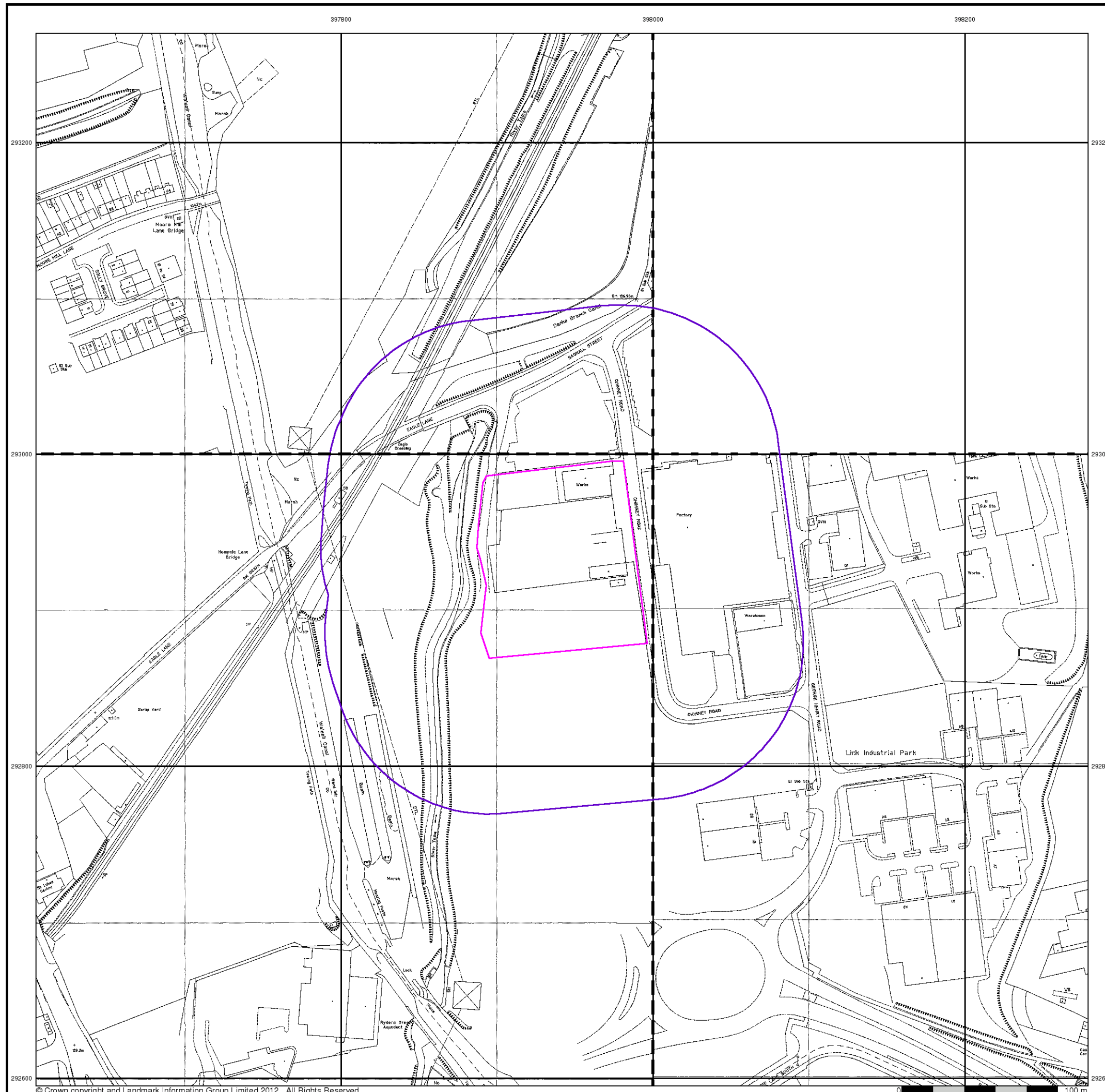
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Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
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Site Details

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INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
Midlands, DY4 7BS



Tel: 0844 844 9952
Fax: 0844 844 9951
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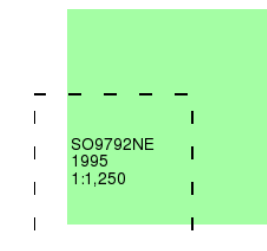
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Published 1995

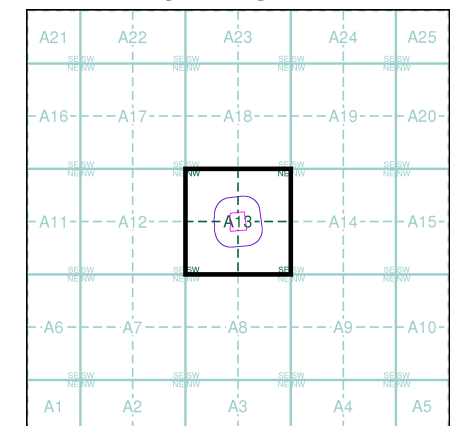
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



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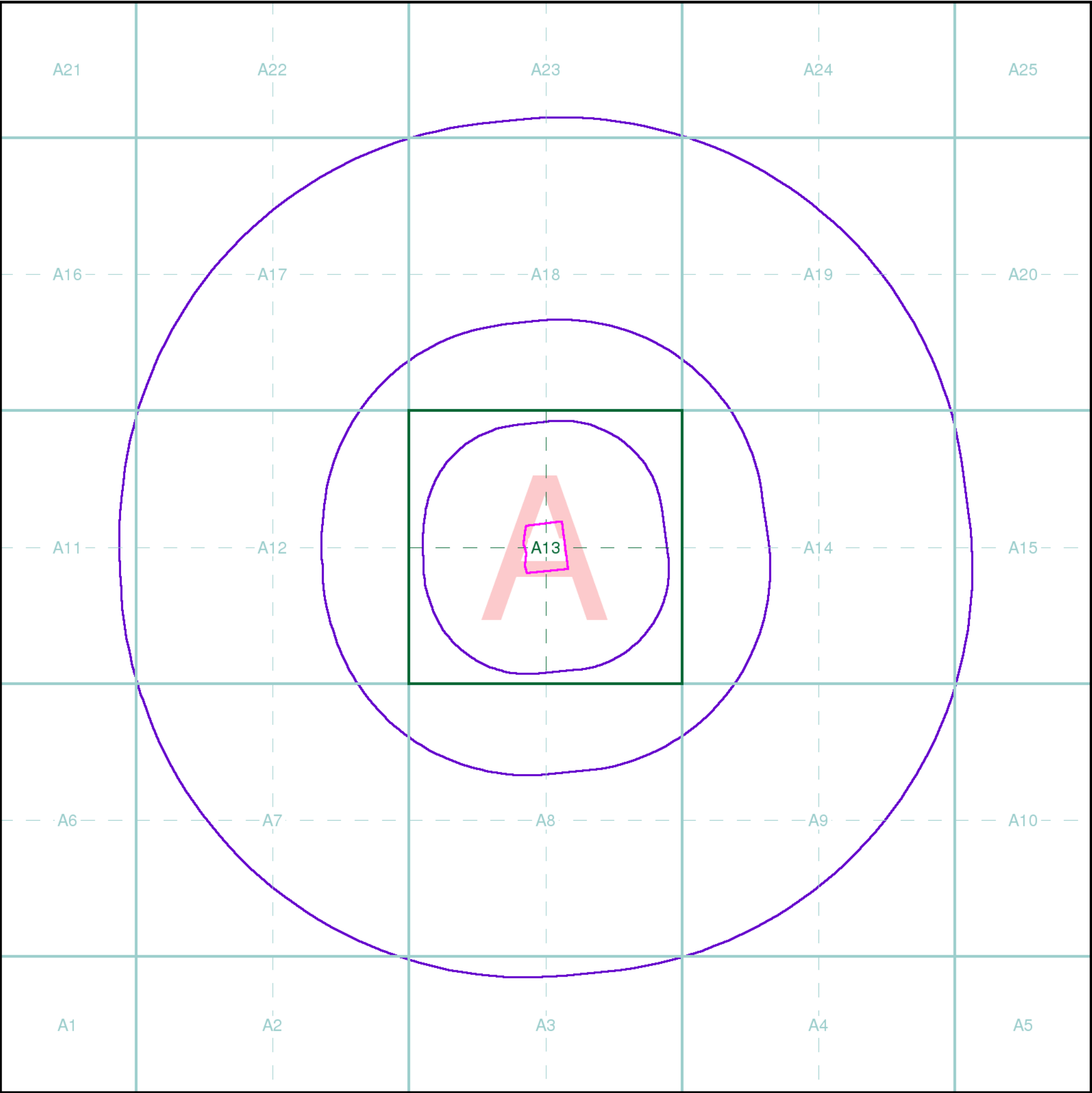
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Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Slice: A
Site Area (Ha): 1.17
Search Buffer (m): 100

Site Details

TIPTON WASTE TRANSFER STATION, BAGNELL STREET
INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
Midlands, DY4 7BS



Tel: 0844 844 9952
Fax: 0844 844 9951
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Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:





Envirocheck reports are compiled from 136 different sources of data.

Client Details
Ms P Coulson, Sirius Geotechnical & Environmental Ltd,
4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Order Details
Order Number: 48671021_1_1
Customer Ref: BF4851/STRATUS/DT
National Grid Reference: 397940, 292930
Site Area (Ha): 1.17
Search Buffer (m): 1000

Site Details
TIPTON WASTE TRANSFER STATION, BAGNELL STREET
INDUSTRIAL ESTATE, CHIMNEY ROAD, TIPTON, West
Midlands, DY4 7BS

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APPENDIX 2

BGS Geological Maps

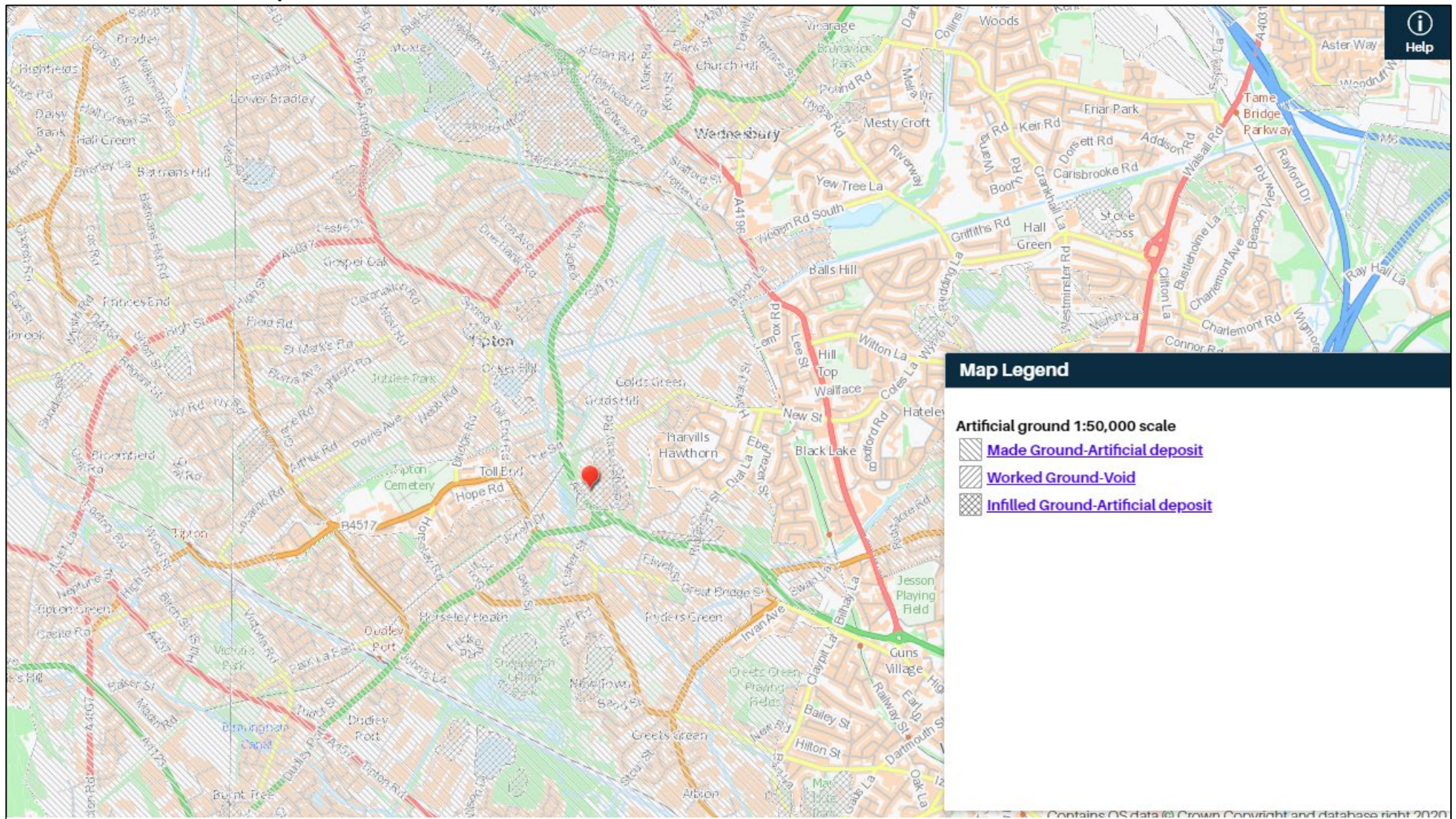


Figure 1: BGS Artificial / Made Ground Geology, 1:50,000 scale

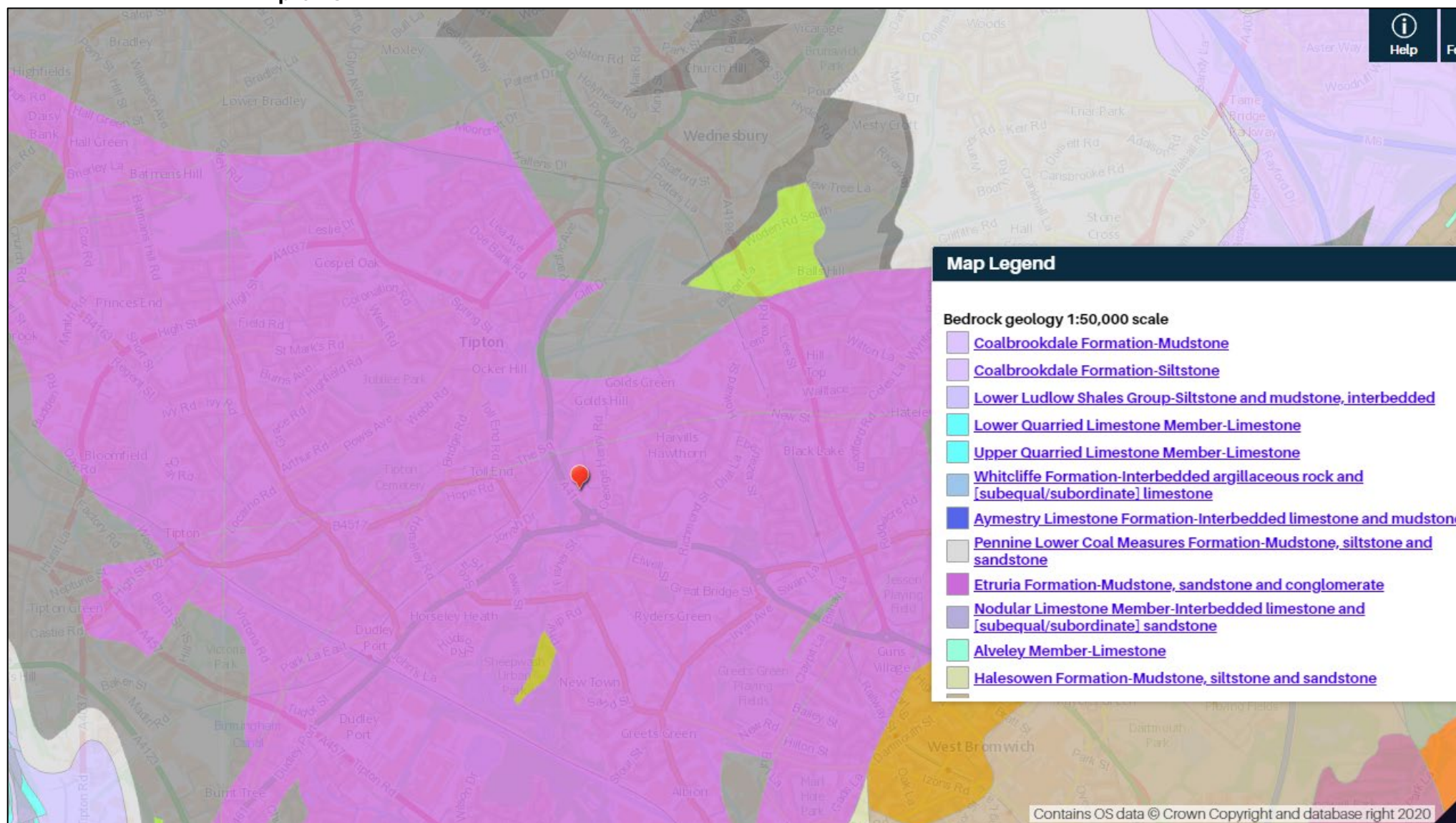


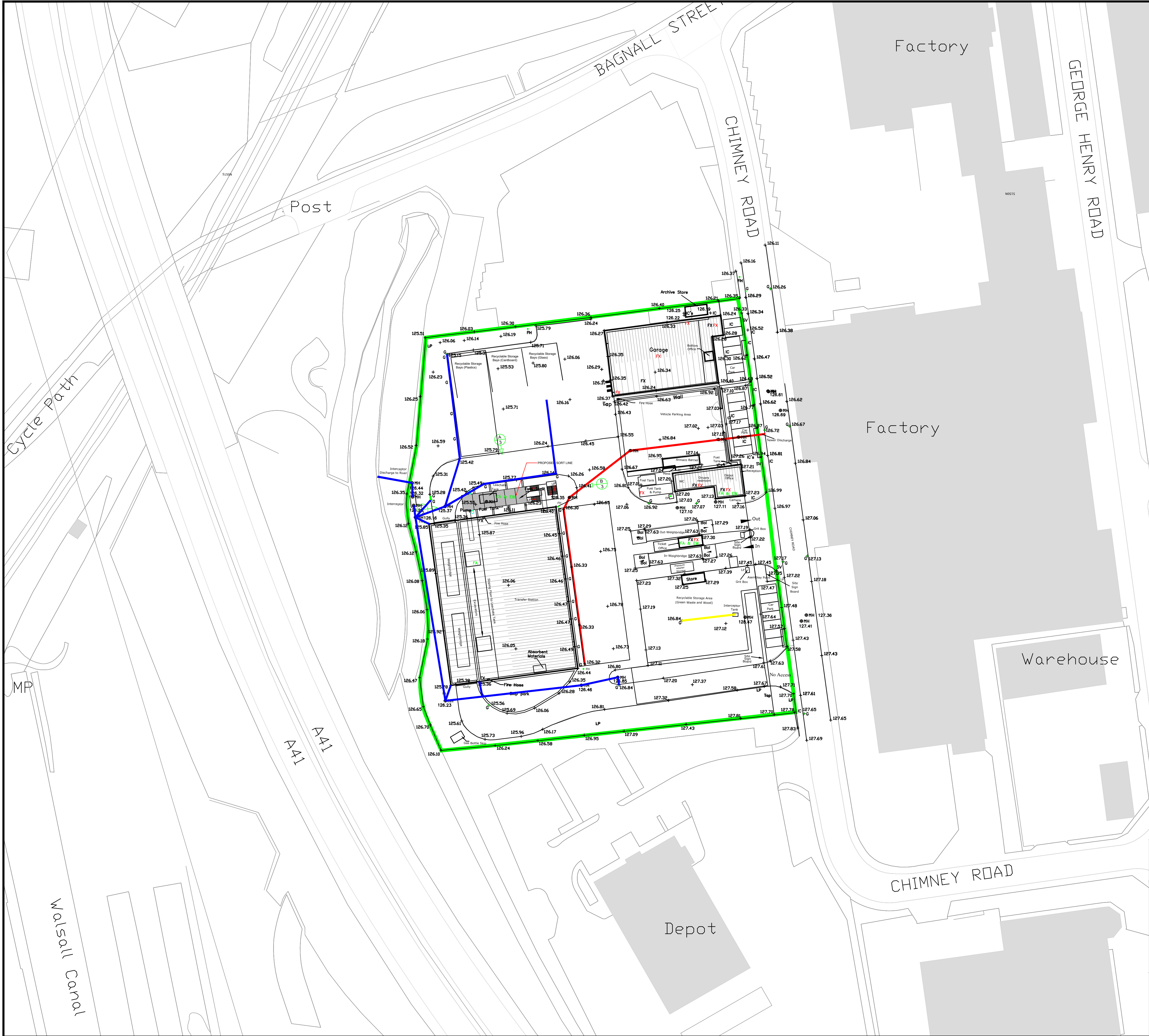
Figure 2: BGS Bedrock Geology 1:50,000 Scale

Figure 3: BGS Superficial Deposits, 1:50,000 scale



APPENDIX 3

Previous Operational Plans



Key

Environmental Permit Boundary

Surface Water Drainage

Foul Water

Sealed Interceptor

A

3

ELEVATION 'A'

Refer to drawing 3

FH

Fire Hydrant

LP

Lamp Post

SV

Stop Valve

G

Gully

EP

Electricity Post

IC

Inspection Cover

MH

Manhole

BoI

Bollard

FA

First Aid Kit

EW

Eye Wash

FX

Fire Extinguisher, red

FX

Fire Extinguisher, black

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2	01.05.19	PM	Plan Updated
1	05.09.12	MLS	Additional information
REV.	DATE	DRAWN	DESCRIPTION

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Biffa

Biffa Waste Services Ltd.

Portland House.

Stokenhill Lane

Birmingham

B37 7BG

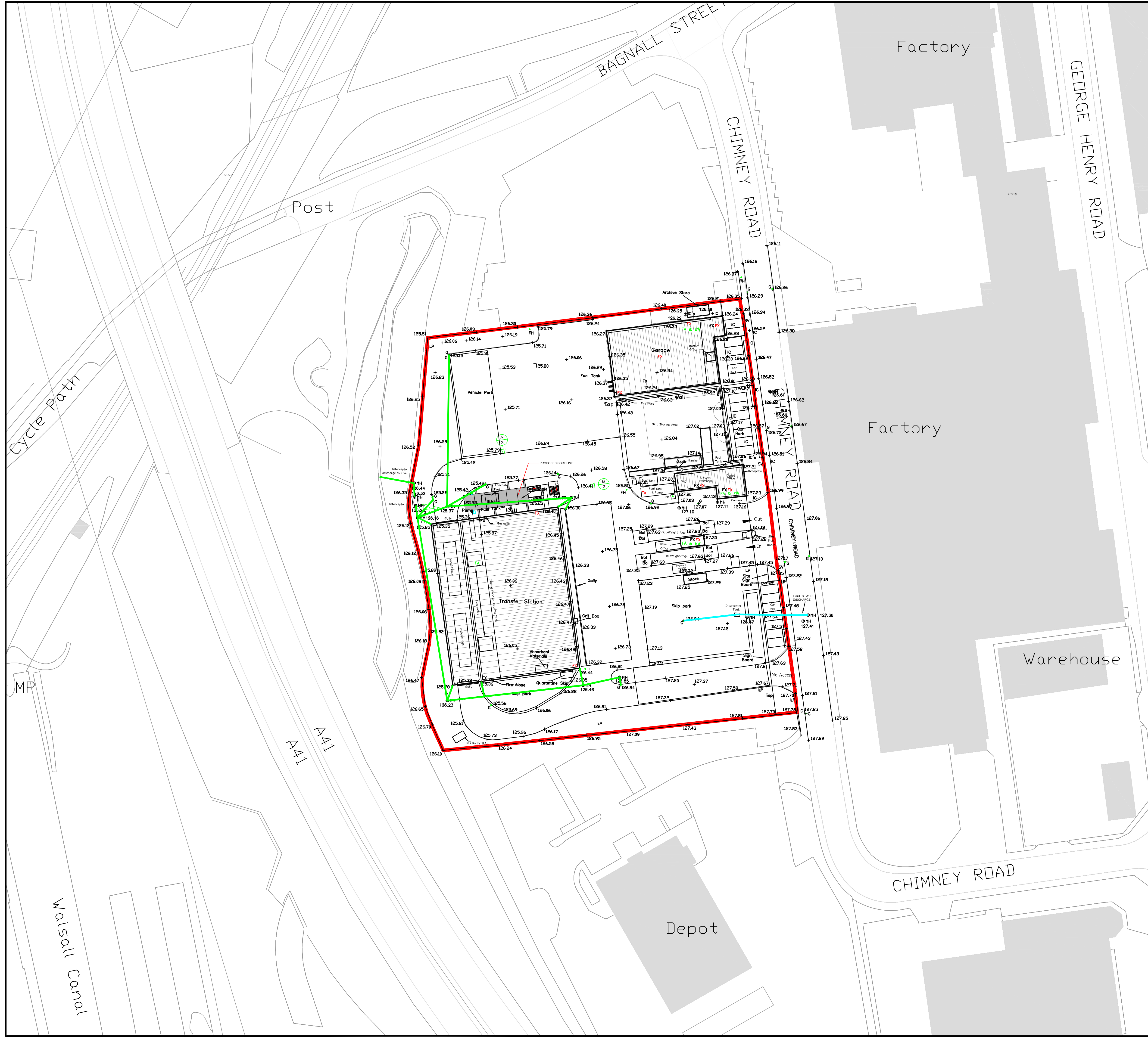
Tel. 0121 6616710

Fax. 0121 7626754

E-mail

michelle.saunder@biffa.co.uk

PROJECT	Operational Working Plan	DRAWN	MLS
LOCATION	Tipton Transfer Station	DATE	01.04.11
DRAWING TITLE	Site Layout	SCALE(S)	
DRAWING No.	2/11	COMPUTER REF.	T6060202
			1:500@A1



Key

- Environmental Permit Boundary
- Surface Water Drainage
- Foul Water
- ELEVATION 'A'

Refer to drawing 3

- FH Fire Hydrant
- LP Lamp Post
- SV Stop Valve
- G Gully
- EP Electricity Post
- IC Inspection Cover
- MH Manhole
- Bol Bollard
- FA First Aid Kit
- EW Eye Wash
- FX Fire Extinguisher, red
- FX Fire Extinguisher, black

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Biffa

Biffa Waste Services Ltd.
Portland House,
Bickenhill Lane
Birmingham
B37 7BQ
Tel. 0121 6616710
Fax. 0121 7829754
E-mail m.fahall@soundex@biffa.co.uk

PROJECT	Operational Working Plan	DRAWN	MLS
LOCATION	Tipton Transfer Station	DATE	01.04.11
DRAWING TITLE	Site Layout	SCALE(S)	1:500@A1
DRAWING No.	2/11	COMPUTER REF.	T6060200



- TIPTON TRANSFER STATION ENVIRONMENTAL PERMIT BOUNDARY
- ASBESTOS TRANSFER STATION ENVIRONMENTAL PERMIT BOUNDARY



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REV.	DATE	DRAWN	DESCRIPTION

Biffa Waste Services Ltd
 Poplars Landfill Site
 Lichfield Road
 Cannock
 Staffordshire
 WS11 8NQ
 Tel: 01543 77889
 Mob: 01634 092155
 e-mail: michelle.saunders@biffa.co.uk

PROJECT	STANDARD RULES ENVIRONMENTAL PERMIT APPLICATION	DRAWN	TS
LOCATION	TIPTON TRANSFER STATION	DATE	23/11/2017
DRAWING TITLE	SITE LAYOUT PLAN	SCALE(S)	1:500
DRAWING No.	2	COMPUTER REF.	



APPENDIX 4

Photos Showing the Condition of Site Surfacing









APPENDIX 5

Site Investigation Report

WE LISTEN, WE PLAN, WE DELIVER

Geotechnical Engineering and Environmental Services across the UK

GEO-ENVIRONMENTAL & GEOTECHNICAL ASSESSMENT (GROUND INVESTIGATION) REPORT

Tipton Waste Transfer Station,
Chimney Road,
Tipton,
DY4 7BY



JOMAS ASSOCIATES LTD

Unit 24 Sarum Complex, Salisbury Road, Uxbridge, UB8 2RZ

www.jomasassociates.com 0333-305-9054 info@jomasassociates.com

Report Title: Geo-environmental & Geotechnical Assessment Ground Investigation Report for
Tipton Waste Transfer Station, Chimney Road, Tipton, DY4 7BY

Report Status: Final

Job No: P6424J3166/CLP

Date: 06 October 2025

QUALITY CONTROL – REVISIONS

Version	Date	Issued By	Comment

Prepared by: JOMAS ASSOCIATES LTD **For:** P J HEGARTY & SONS (UK)

Prepared by

Dominic Hutchins BEng (Hons), FGS

Geotechnical Engineer



and

Clare Prosser BSc, MSc, FGS

Senior Geo-environmental
Engineer



Reviewed by

Tom Elbourne BSc CGeol CSci FGS,
RoGEP – Professional

Principal Geo-environmental
Engineer



Approved by

Shaw Carter BSc (Hons), CGeol, FGS

Principal Geotechnical Engineer



Should you have any queries relating to this report, please contact

JOMAS ASSOCIATES LTD

www.jomasassociates.com

0333 305 9054

info@jomasassociates.com

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APPENDIX 3 – CHEMICAL LABORATORY TEST RESULTS

APPENDIX 4 – GEOTECHNICAL LABORATORY TEST RESULTS

APPENDIX 5 – SOIL GAS MONITORING RESULTS

APPENDIX 6 – GROUNDWATER SAMPLING RECORDS

EXECUTIVE SUMMARY

Site Details	Site Address	Tipton Waste Transfer Station, Chimney Road, Tipton, DY4 7BY
	National Grid Reference	397939 292932
	Site Area	1.15Ha (approx.)
	Proposed Development	Redevelopment of the existing waste transfer facility for continued commercial use, including demolition of some existing structures. No extensive areas of soft landscaping are anticipated.
Encountered Conditions	Scope of Works	The assessment incorporated a desk study to determine the site's setting to inform a preliminary risk assessment followed by an intrusive investigation to confirm the ground and groundwater conditions and support the development of a geotechnical and geo-environmental assessment.
	Ground Conditions	The ground conditions encountered broadly consistent with those anticipated from the desk study, and comprised Made Ground, to depths of up to 8.2m, underlain by residual soil deposits of the Etruria Formation to the base of the boreholes (maximum depth of 11.9m).
	Groundwater	Groundwater seepages were encountered within BH1 and BH2 at depths of 5.7m and 7.5m bgl respectively during the intrusive investigation. In addition, combined groundwater and ground gas monitoring wells were installed within BH2, WS1 and WS4 to depths of 8mbgl, 5mbgl and 3mbgl respectively. These were monitored on three occasions in August and September 2025. Water was recorded at a depth of 3.98-3.99mbgl during the return visits in BH2 and dry to the bases of WS1 and WS4.
Geo-environmental Assessment Summary and Recommendations		Following generic risk assessments, no elevated concentrations were detected in soils in excess of generic assessment criteria for the protection of human health within a commercial end-use scenario. No asbestos containing materials or fibres were detected in the Made Ground samples analysed in the laboratory. The risk to end users associated with vapour risk inhalation from soils is considered negligible. The soil is not considered to pose a significant risk to controlled waters receptors. Based on the calculated GSVs a site classification of CS2 is considered necessary and therefore basic gas protection measures should be incorporated into the proposed structures. For details see Section 6. A significant risk to plant growth has not been identified. Upgraded potable water supply pipe materials are likely to be required. The water supply pipe requirements for this site should be discussed at an early stage with the relevant utility provider. A remedial strategy will be required for the proposed development. As with any ground investigation, the presence of further hotspots between sampling points cannot be ruled out. Should any contamination be encountered, a suitably qualified environmental consultant should be informed immediately, so that adequate measures may be recommended.
Geotech	Foundations	A piled foundation would be suitable and indicative pile carrying capacities are given in Table 11.1.
	Sulphates	Buried concrete for foundations should be designed to Class DS-1 (AC-1).

	Ground Floor Slabs	Given the likely use of piles and deep Made Ground, it is recommended that suspended floor slabs are used with an adequate void designed according to NHBC Standards. Due to the nature of the development, NHBC regulations will not apply. However, the potential for heave to affect a ground bearing floor slab should be considered, and measures included within the design to minimise the impact on the finished floor slab.
	Excavations	Temporary excavations within Made Ground and granular soils are unlikely to remain stable and some form of temporary support or battering back to a safe angle and dewatering are likely to be required. Subject to seasonal variations, surface water/groundwater encountered during site works could likely be dealt with by conventional pumping from a sump used to collate waters.
Recommended Further Work		The following works are recommended: • Seek approval of the Generic Quantitative Risk Assessment and Soil Gas Assessment from the Local Authority, NHBC and other relevant stakeholders. • Provision of a Remediation Options Appraisal, Strategy & Verification Plan;. • Seek confirmation of the water supply pipe requirements by the appropriate service provider. • Deeper rotary drilled boreholes may be required to inform pile design.
<i>This Executive Summary is intended to provide a brief summary of the main findings and conclusions of the investigation. For detailed information, the reader is referred to the main report ref. P6424J3166.</i>		

1 INTRODUCTION

1.1 Terms of Reference

- 1.1.1 P J Hegarty & Sons (UK) ("The Client") has commissioned Jomas Associates Ltd ('Jomas') to undertake an investigation of the geotechnical and geo-environmental factors pertaining to the proposed development at a site referred to as Tipton Waste Transfer Station, Chimney Road, Tipton, DY4 7BY (herein referred to as 'the site').
- 1.1.2 A Phase 1 Desk Study has been produced for the site and issued separately (detailed in Table 1.1 below), followed by an intrusive investigation (detailed in this report).
- 1.1.3 An intrusive investigation has been undertaken in accordance with Jomas' proposal dated 31st July 2025.

1.2 Proposed Development

- 1.2.1 The proposed development is to comprise redevelopment of the existing waste transfer facility for continued commercial use including demolition of some existing structures. No extensive areas of soft landscaping are anticipated.
- 1.2.2 For the purpose of geo-environmental assessment and selection of generic assessment criteria, the development is considered "commercial".
- 1.2.3 A plan of the proposed development is provided as Figure 4 in Appendix 1.
- 1.2.4 For the purpose of geotechnical assessment, it is considered that the project could be classified as a Geotechnical Category (GC) 2 site in accordance with BS EN 1997.

1.3 Objectives

- 1.3.1 The objectives of Jomas' investigation are as follows:
- To undertake an intrusive investigation, to determine the ground and groundwater conditions as well as to assess the nature and extent of contaminants (if any) potentially present at the site.
 - To establish the presence of significant pollutant linkages, in accordance with the procedures set out within Part IIA of the Environmental Protection Act 1990, associated statutory guidance and current best practice including the EA land contamination risk management (LCRM); and,
 - To determine soil properties to inform the preliminary geotechnical assessment for foundations, excavation stability, and buried concrete and recommendations for further action (if required).

1.4 Scope of Works

- 1.4.1 The following tasks were undertaken to achieve the objectives listed above:
- Intrusive ground investigation to determine shallow ground conditions, and potential for contamination to be present at the site.

- Undertaking of laboratory chemical and geotechnical testing upon samples obtained.
- Return ground gas/groundwater monitoring.
- The compilation of this report, which collects and discusses the above data, and presents an assessment of the site conditions, conclusions and recommendations.

1.5 Previous/Supplied Documentation

- 1.5.1 A number of relevant reports prepared by or supplied to Jomas Associates prior to the commencement of this investigation are detailed in Table 1.1:

Table 1.1: Previous/Supplied Reports

Title	Author	Reference	Date
Desk Study/Preliminary Risk Assessment Report for Tipton Waste Transfer Station, Chimney Road, Tipton, DY4 7BY	Jomas Associates Ltd	P6424J3166/CLP	31 July 2025

1.6 Limitations

- 1.6.1 Jomas has prepared this report for the sole use of P J Hegarty & Sons (UK), in accordance with the generally accepted consulting practices and for the intended purposes as stated in the agreement under which this work was completed. This report may not be relied upon by any other party without the explicit written agreement of Jomas. No other third party warranty, expressed or implied, is made as to the professional advice included in this report. This report must be used in its entirety.
- 1.6.2 The records search was limited to information available from public sources; this information is changing continually and frequently incomplete. Unless Jomas has actual knowledge to the contrary, information obtained from public sources or provided to Jomas by site personnel and other information sources, have been assumed to be correct. Jomas does not assume any liability for the misinterpretation of information or for items not visible, accessible or present on the subject property at the time of this study.
- 1.6.3 Whilst every effort has been made to ensure the accuracy of the data supplied, and any analysis derived from it, there may be conditions at the site that have not been disclosed by the investigation, and could not therefore be taken into account. As with any site, there may be differences in soil conditions between exploratory hole positions. Furthermore, it should be noted that groundwater conditions may vary due to seasonal and other effects and may at times be significantly different from those measured by the investigation. No liability can be accepted for any such variations in these conditions.
- 1.6.4 Any reports provided to Jomas have been reviewed in good faith. Jomas cannot be held liable for any errors or omissions in these reports, or for any incorrect interpretation contained within them.
- 1.6.5 This investigation and report have been carried out in accordance with the relevant standards and guidance in place at the time of the works. Future changes to these may require a re-assessment of the recommendations made within this report.

- 1.6.6 **This report is not an engineering design and the figures and calculations contained in the report should be used by the Structural Engineer, taking note that variations may apply, depending on variations in design loading, in techniques used, and in site conditions. Our recommendations should therefore not supersede the Engineer's design.**

2 DESK STUDY SUMMARY

2.1 Site Information

2.1.1 The site location plan is appended to this report in Figure 1, Appendix 1.

Table 2.1: Site Information

Name of Site	Tipton Waste Transfer Station
Address of Site	Chimney Road, Tipton, N1 7EG
Approx. National Grid Ref.	397939 292932
Site Area (Approx)	1.15ha
Site Occupation	Commercial – inactive material recycling facility
Local Authority	Sandwell Metropolitan Borough Council
Proposed Site Use	Redevelopment of the existing waste transfer facility for continued commercial use, including demolition of some existing structures. No extensive areas of soft landscaping are anticipated.

2.2 Site Walkover

2.2.1 A site walkover survey was undertaken by Jomas on the 25 July 2025.

Table 2.2: Site Description

Area	Item	Details
On-site:	Current Uses:	The site is currently in use as offices, with one-storey buildings of brick and metal construction, as well as temporary cabins. There are also large concrete and metal construction warehouse structures, associated with the site's previous use as a waste facility. There is a sign within one of the buildings in the east which states "warning floor contains asbestos". Oil staining was noted throughout the site.
	Evidence of historic uses:	The site is identified to previously have been in use as a Biffa material recycling facility.
	Surfaces:	The surfacing across site is primarily hardstanding, comprising concrete, asphalt and the building footprints. Along the western boundary of site is a strip of soft cover.
	Vegetation:	Weeds, shrubs, bushes and trees are present within the soft cover strip that runs along the western boundary of site.
	Topography/Slope Stability:	The site is flat and level.

Area	Item	Details
	Drainage:	The site appears to be connected to normal drainage facilities. Drain covers are situated around the site. Some pooling of liquid was observed within the warehouse building.
	Services:	The site is assumed to be connected to normal services.
	Controlled waters:	No controlled waters were noted on site.
	Tanks:	It is understood from a site representative that there are 2No buried tanks on site; one in the south-west which is a rainwater tank and the other in the south-east which is anticipated to be an oil interceptor.
Neighbouring land:	North:	Industrial
	East:	Industrial, including Tulip Ltd
	South:	Industrial, including truck dealer and tool shop
	West:	River Tame, A41 and Walsall Canal

2.2.2 Site photographs taken during the site walkover can be found as Figure 2, in Appendix 1.

2.3 Summary of Preliminary Risk Assessment (Desk Study)

2.3.1 As detailed in Table 1.1, a Phase 1 Desk Study report has been produced for the site and issued separately (Jomas Associates Ltd – P6424J3166/CLP – July 2025). The findings of the Phase 1 Desk Study are presented in the following section. Reference should be made to the original reports and documents for further details. Comments made in the following section regarding possible ground conditions on the site and within the surrounding area are based purely on the desk study. Where appropriate, this information will be used in the later sections of this report as supplementary information to assist in the evaluation of the ground conditions and aid the identification of geotechnical and geo-environmental constraints and hazards that could impact on the scheme.

2.3.2 A review of the earliest available historical maps (1886 – 1890) indicates that the site was in use as a brick works at that time. Through the rest of the 1800s and the first half of the 1900s, the site slowly became undeveloped, with buildings removed. In the 1960s, the site was in use as a refuse tip and by 1980 redevelopment of the site began. In the 2000s, the site was in use as a waste transfer depot, which is still present on site but is understood to be inactive at the time of writing.

2.3.3 The surrounding area is shown to be occupied by ground workings associated with clay and brick pits on the earliest available maps (1886 – 1890). Various other industrial uses were also present in the site vicinity. As with the site, the ground workings are seen to have been infilled in the first half of the 1900s. Various industrial site uses are developed, with the area still comprising factories and depots at the time of writing.

2.3.4 A previous investigation from 2010 identified 3No above-ground fuel tanks present on site, and during this recent investigation 2No buried tanks were reported to be present, a rainwater tank and an oil interceptor.

- 2.3.5 The British Geological Survey indicates that the site is directly underlain by Made Ground and Infilled Ground. Superficial deposits of Alluvium are reported in a strip along the western boundary of the site. These are in turn underlain by solid deposits of the Etruria Formation.
- 2.3.6 Borehole records from onsite showed Made Ground soils extending to a maximum depth of 19mbgl, underlain by purple brown and grey green mudstone deposits. A water strike was reported at 5.5mbgl.
- 2.3.7 Both the superficial and solid deposits underlying the site are identified as secondary A aquifers.
- 2.3.8 A review of the EnviroInsight report indicates that the site is not located directly within a groundwater source protection zone.
- 2.3.9 There are 8No groundwater abstractions, 4No surface water abstractions and no potable water abstractions reported within 2km of the site.
- 2.3.10 17No Water Networks are reported within 250m of the site, the nearest of which is the River Tame located 11m west. There are 2No surface water features reported within 250m.
- 2.3.11 Environment Agency zone 2 and zone 3 floodplains are reported 3m and 4m west of the site, respectively.
- 2.3.12 A ground investigation was recommended to confirm the preliminary geo-environmental risks identified and to provide geotechnical information for use in design. Monitoring well installations were also recommended with a programme of soil gas monitoring due to the extent of infilled land in the site vicinity.
- 2.3.13 The conceptual site model is reproduced in Table 2.3 overleaf.

Table 2.3: Preliminary Risk Assessment for the Site

Sources	Pathways (P)	Receptors	Consequence of Impact	Probability of Impact	Risk Estimation	Hazard Assessment
• Potential for Made Ground associated with previous development operations and reported infilled ground – on site (S1) • Potential for contaminated ground associated with site use – on site (S2) ○ Brick works (1886 – 1938) ○ Clay pit (1888) ○ Unspecified tanks (1888 – 1904) ○ Brick & tile works (1902 – 1921) ○ Disused colliery (1902 – 1938) ○ Refuse tip/heap, on site (1965 – 1980) ○ Works (1980 – present) ○ Waste transfer depot (1996 – 2023) ○ Pollution incident, minor land impact (November 2002) ○ 3No above-ground tanks (October 2010) ○ Oil interceptor (present) • Potential for contaminated ground associated with site use – off site (S3) ○ Brick & tile works, adjacent to north-east (1902 – 1965) ○ Railway sidings, 1m west (1886 – 1980) ○ Factory (now Tulip Ltd), 13m east (1988 – present) ○ Works/depot, ~20m south (1980 – present) ○ Aquila Truck Centres, 50m south (present) ○ Railway line, 50m west (1886 – present) ○ Tube works, 81m north (1902 – 1938) ○ Sewage works, 82m north-west (1902 – 1988) ○ Frogs Meadow Colliery, ~100m north (1886 – 1902) • Potential for ground gas generation from infilled ground both on and off site (S4) ○ Waterbody/canal, on site (1886 – 1980) ○ Industrial ground workings, on site (1886 – 1965) ○ Refuse tip/landfill, on site (1965 – 1987) ○ Large ponds, ~5m south-east and ~70m south (1965 – 1980) ○ Ground workings, within 100m of site (1886 – 1965)	• Ingestion and dermal contact with contaminated soil (P1) • Inhalation or contact with potentially contaminated dust and vapours (P2) • Permeation of water pipes and attack on concrete foundations by aggressive soil conditions (P6)	• Construction workers (R1) • Maintenance workers (R2) • Neighbouring site users (R3) • Future site users (R4) • Building foundations and on site buried services (water mains, electricity and sewer) (R5)	Medium	Likely	Moderate	GI – Ground Investigation
	• Accumulation and migration of soil gases (P5)		Severe for Asbestos	Low	Moderate for Asbestos	
			Severe	Likely	High	
		• Leaching through permeable soils, migration within the vadose zone (i.e., unsaturated soil above the water table) and/or lateral migration within surface water, as a result of cracked hardstanding or via service pipe/corridors and surface water runoff (P3) • Horizontal and vertical migration of contaminants within groundwater (P4)	• Neighbouring site users (R3) • Building foundations and on site buried services (water mains, electricity and sewer) (R5) ○ Secondary A aquifer in superficial and solid deposits, on site ○ River Tame, 11m west	Medium	Low	

3 GROUND INVESTIGATION

3.1 Scope of Works

3.1.1 A ground investigation was undertaken on the 18th August 2025.

3.1.2 A summary of the fieldwork carried out at the site, with justifications for exploratory hole positions, is presented in Table 3.1 below.

Table 3.1: Scope of Intrusive Investigation

Investigation Type	Number of Exploratory Holes Achieved	Exploratory Hole Designation	Depth Achieved	Justification
Windowless Sample Boreholes	6	WS1-6	Up to 5mbgl	Obtain shallow samples for laboratory chemical and geotechnical testing. To allow in-situ geotechnical testing.
Cable Percussion Boreholes	2	BH1-2	Up to 11.9mbgl	Obtain deeper samples for laboratory geotechnical testing. To allow in-situ geotechnical testing.
Monitoring Wells	3	WS1, WS4 & BH2	Up to 8mbgl	Gas and groundwater monitoring wells.

3.1.3 The ground investigation was undertaken in accordance with British Standard BS5930:2015+A1:2020 “Code of practice for ground investigations”, British Standard BS10175:2011+A2:2017 “Investigation of potentially contaminated sites - code of practice”, NHBC Standards, Chapter 4.1 and AGS Guidelines for Good Practice in Site Investigations.

3.1.4 Exploratory hole positions are shown on the exploratory hole location plan presented in Figure 2, Appendix 1. The exploratory hole records are included in Appendix 2.

3.1.5 Where monitoring well installations were not installed, the exploratory holes were backfilled with the arisings (in the reverse order in which they were drilled) and the ground surface was reinstated so that no depression was left.

3.2 Sampling Rationale

3.2.1 Our soil sampling rationale for the site investigation was developed with reference to EA guidance ‘Secondary Model Procedure for the Development of Appropriate Soil Sampling Strategies for Land Contamination’ (Technical Report P5-066/TR).

3.2.2 The exploratory holes were positioned by applying a combined non-targeted sampling strategy, as well as sample locations positioned with reference to sources identified from the desk study.

3.2.3 Soil samples were taken from across the site at various depths as shown in the exploratory hole logs.

3.2.4 Jomas Associates Limited’s engineers normally collect samples at appropriate depths based on field observations such as:

- appearance, colour and odour of the strata and other materials, and changes in these.
- the presence or otherwise of sub-surface features such as pipework, tanks, foundations and walls; and.
- areas of obvious damage, e.g. to the building fabric.

3.2.5 A number of the samples were taken from the top 0-1m to aid in the assessment of the pollutant linkages identified at the site. In addition, some deeper samples were taken to aid in the interpretation of fate and transport of any contamination identified.

3.2.6 Samples were stored in cool boxes (<4°C) and preserved in accordance with laboratory guidance.

3.2.7 Groundwater strikes noted during drilling, are recorded within the exploratory hole records in Appendix 2.

3.3 In-situ Geotechnical Testing

3.3.1 In-situ geotechnical testing included Standard Penetration Tests. The determined 'N' values have been used to determine the relative density of granular materials and have been used with standard correlations to infer various other derived geotechnical parameters including the undrained shear strength of the cohesive strata. The results of the individual tests are on the appropriate exploratory hole logs in Appendix 2.

3.4 Laboratory Analysis

3.4.1 A programme of laboratory testing, scheduled by Jomas Associates Limited, was carried out on selected samples of Made Ground and natural strata.

Chemical Testing

3.4.2 Chemical testing of soils was undertaken by Construction Testing Solutions Limited, which holds UKAS and MCERTS accreditations for a wide range of determinands.

3.4.3 The samples were analysed for a wide range of contaminants as shown in Table 3.2 below:

Table 3.2: Chemical Tests Scheduled

Test Suite	No. of tests	
	Made Ground	Etruria Formation
Basic Suite 5	9	-
Hydrocarbon Suite	9	-
Soil Organic Matter	3	-
Jomas Modified BRE SD-1 Suite	1	3
Phenol Suite (speciated by HPLC)	9	-
SVOCs and TICs	9	-
VOCs TICs top 5	9	-
Asbestos Screen & ID	9	-

3.4.4 The determinands contained in the Basic Suite 3 are as detailed in Table 3.3 below. Basic Suite 5 contains the same determinands but without the hydrocarbon compounds to avoid overlapping with the extended hydrocarbon testing.

3.4.5 The Hydrocarbon Suite includes TPHCWG, PAH, phenols and VOCs including BTEX & MTBE.

Table 3.3: Basic Suite of Determinands

DETERMINAND	LIMIT OF DETECTION (mg/kg)	UKAS ACCREDITATION	TECHNIQUE
Arsenic	2	Y (MCERTS)	ICP-EOS
Cadmium	0.2	Y (MCERTS)	ICP-EOS
Chromium	2	Y (MCERTS)	ICP-EOS
Chromium (Hexavalent)	4	N	ICP-EOS
Lead	3	Y (MCERTS)	ICP-EOS
Mercury	1	Y (MCERTS)	ICP-EOS
Nickel	3	Y (MCERTS)	ICP-EOS
Selenium	2	Y (MCERTS)	ICP-EOS
Copper	4	Y (MCERTS)	ICP-EOS
Zinc	3	Y (MCERTS)	ICP-EOS
Boron (Water Soluble)	0.1	N	ICP-EOS
pH Value	0.1 units	Y (MCERTS)	Electrometric Measurement
Sulphate (Water Soluble)	0.01g/l	Y (MCERTS)	Ion Chromatography/ICP-EOS
Total Cyanide	1	N	Distillation followed by Chromatography
Speciated/Total PAH	0.10/1.6	Y (MCERTS)	GC-MS
Phenols	2	N	Distillation followed by Colorimetry
Total Petroleum Hydrocarbons (banded)	6	N	GC-FID/Headspace GS-MS

3.4.6 To support the selection of appropriate tier 1 screening values, 3No. samples were analysed for soil organic matter.

3.4.7 The chemical laboratory test results are included in Appendix 3.

Geotechnical Testing

3.4.8 In addition to the contamination assessment, soil samples were submitted to the UKAS accredited laboratory of K4 Soils Laboratory for a series of geotechnical analyses.

3.4.9 This testing was designed to classify the samples and to obtain parameters (either directly or sufficient to allow relevant correlations to be used) relevant to the technical objectives of the investigation.

3.4.10 The following laboratory geotechnical testing was carried out:

Table 3.4: Laboratory Geotechnical Analysis

Methodology	Test Description	Number of tests
BS EN ISO 17892-4	Particle Size Distribution - Sieving	6

Methodology	Test Description	Number of tests
BS EN ISO 17892-1	Moisture Content Determination	1
BS EN ISO 17892-12	Liquid and Plastic Limit Determination (Atterberg Limits)	1

3.4.11 In addition, 4No. soil samples were analysed for a modified BRE Special Digest 1 suite (acid and water-soluble sulphate, total sulphur and pH) to assist with the ACEC classification for buried concrete.

3.4.12 The geotechnical laboratory test results are included in Appendix 4.

4 GROUND CONDITIONS ENCOUNTERED

4.1 General

4.1.1 A factual record of the conditions encountered during the physical investigation of the site is presented in the following section.

4.2 Ground Conditions

4.2.1 The ground conditions encountered were broadly consistent with those anticipated, i.e. a thickness of Made Ground overlying Etruria Formation and are summarised in Table 4.1 below.

Table 4.1: Ground Conditions Encountered

Stratum and Description	Encountered from (mbgl)	Base of strata (mbgl)	Thickness range (m)
Concrete over greyish black/black, dark grey/blackish grey/ brownish grey/ reddish grey/grey, light brown/brown, clayey/silty/ sandy/slightly gravelly/gravelly sand and gravel. Sand is fine to coarse. Gravel consists of fine to coarse, angular to rounded flint, brick, plastic, glass, peat and organic matter. (MADE GROUND) <i>Encountered to base of WS1 (>5.0m), WS3 (>0.3m) & WS6 (>0.1m).</i>	GL	1.00 – 8.20	1.00 – 8.20
Loose to very dense dark grey/greyish black gravelly SAND/sandy GRAVEL. Sand is fine to medium. Gravel consists of fine to medium, angular to rounded mudstone. (ETRURIA FORMATION) <i>Encountered to base of WS2 (>1.3m), WS4 (>2.0m) & WS5 (>0.2m).</i>	0.80 – 2.70	>1.00 – >4.00 (base not proven)	>0.20 – >2.00 (thickness not proven)
Stiff** becoming very stiff** greyish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel consists of fine angular mudstone. (ETRURIA FORMATION) <i>Encountered to base of BH1 (>11.9m) & BH2 (>11.5m).</i>	8.00 – 8.20	>11.50 – >11.90 (base not proven)	>3.30 – >3.90 (thickness not proven)

****Consistency estimated using semi-empirical correlations with SPT N-values, Plasticity Indices and published literature**

4.3 Groundwater

4.3.1 Recorded groundwater strikes are summarised below.

Table 4.2: Groundwater Strikes During Investigation

Exploratory Hole ID	Depth Encountered (mbgl)	Stratum
BH1	5.70	Made Ground
BH2	7.50	Made Ground

4.3.2 3No. return groundwater monitoring visits were carried out between 26th August and 17th September 2025, results are presented in Appendix 5 and are summarised below.

Table 4.3: Groundwater Monitoring Summary

Exploratory Hole ID	Depth Encountered (mbgl)	Well Response Zone as installed (top/bottom) (mbgl)	Depth to Base of Well – as gauged (mbgl)	Strata targeted by response zone
BH2	3.98 – 3.99	1.00 – 8.00	5.76 – 5.78	MADE GROUND
WS1	DRY	1.00 – 5.00	4.54 – 4.55	MADE GROUND
WS4	DRY	1.00 – 3.00	2.88 – 2.90	MADE GROUND/ETRURIA FORMATION

4.3.3 It should be noted that changes in groundwater levels can occur for a number of reasons including seasonal effects and variations in drainage. Such fluctuations may only be recorded by the measurement of the groundwater level within a standpipe or piezometer installed within appropriate response zones. Changes in groundwater level can have a direct effect on excavation stability and dewatering requirements, and cohesive soils can soften under rising or high groundwater levels.

4.4 Physical and Olfactory Evidence of Contamination

4.4.1 Much of the Made Ground on site was described as black, with these deposits being up to 8.2m thick (as expected).

4.5 Limitations

4.5.1 During the intrusive ground investigation, WS2 was terminated due to refusal at 4.0mbgl in very dense granular deposits.

4.5.2 WS3 was terminated at a depth of 0.3m due to refusal of the sample barrel on a concrete obstruction.

4.5.3 WS4 was terminated due to refusal at 3.0mbgl in very dense granular deposits.

4.5.4 WS5 was terminated due to refusal at 1.0mbgl in very dense granular deposits.

4.5.5 BH1 and BH2 were terminated at depths of 11.9m and 11.5m bgl respectively - likely due to encountering rockhead.

4.5.6 The possible presence of unidentified natural and/or manmade obstructions elsewhere on site cannot be discounted.

5 RISK ASSESSMENT – ANALYTICAL FRAMEWORK

5.1 Context and Objectives

5.1.1 This section seeks to evaluate the level of chronic risk pertaining to human health and the environment which may result from both the existing use and proposed future use of the site. It makes use of the ground investigation findings, as described in the previous sections, to evaluate further the potential pollutant linkages identified in the desk study. A combination of qualitative and quantitative techniques is used, as described below.

5.1.2 The purpose of generic quantitative risk assessment is to compare concentrations of contaminants found on site against generic assessment criteria (GAC) to establish whether there are actual or potential unacceptable risks. It also determines whether further detailed assessment is required. The approaches detailed all broadly fit within a tiered assessment structure in line with the framework set out in the Department of Environment, Food and Rural Affairs (DEFRA), EA and Institute for Environment and Health Publication, Guidelines for Environmental Risk Assessment and Management.

5.2 Analytical Framework – Soils

5.2.1 There is no single methodology that covers all the various aspects of the assessment of potentially contaminated land and groundwater. Therefore, the analytical framework adopted for this investigation is made up of a number of procedures, which are outlined below. All of these are based on a Risk Assessment methodology centred on the identification and analysis of Source – Pathway – Receptor linkages.

5.2.2 The soil analytical test results have been compared to Suitable 4 Use Levels (S4UL) published by the Chartered Institute of Environmental Health in order to assess the potential long-term risks to human health posed by contaminants in the soils. S4UL'S have been derived for a range of land uses and Soil Organic Matter contents. They represent the minimal or tolerable risk, above which further assessment of the risks or remedial action may be required.

5.2.3 In the absence of a S4UL recommended concentration, other available general assessment criteria (GAC), including the Category 4 Screening Levels (C4SL) published by DEFRA have been used. Site-specific assessments are undertaken wherever possible and/or applicable. All assessments are carried out in accordance with the CLEA protocol.

5.2.4 The assessment criteria used for the screening of determinands within soils are identified within Table 5.1.

Table 5.1: Selected Assessment Criteria - Contaminants in Soils

Substance Group	Determinand(s)	Assessment Criteria Selected
<u>Organic Substances</u>		
Non-halogenated Hydrocarbons	Total Petroleum Hydrocarbons (TPHCWG banded)	S4UL
	Total Phenols	S4UL
Polycyclic Aromatic Hydrocarbons (PAH-16)	Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(123-cd)pyrene, Dibenzo(ah)anthracene, Benzo(ghi)perylene	S4UL
Volatile Organic Compounds (VOCs/sVOCs).	Toluene, Ethylbenzene, Benzene, Xylenes	S4UL
<u>Inorganic Substances</u>		
Heavy Metals and Metalloids	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc	S4UL
	Copper, Zinc, Nickel	BS: 3882 (2015).
Cyanides	Free Cyanide	CLEA v1.06
Sulphates	Water Soluble Sulphate	BRE Special Digest 1:2005

- 5.2.5 The proposed development is to comprise redevelopment of the existing waste transfer facility, including demolition of some existing structures. No extensive areas of soft landscaping are anticipated.
- 5.2.6 As a result, the site has been assessed with regards to a “commercial” end use scenario.
- 5.2.7 GAC have been selected with consideration to the Soil Organic Matter (SOM) content of the soil. From the soils analytical results, the SOM values ranged from 1.0% to 7.80%. Therefore, published GAC have been selected as those derived assuming a SOM of 1% as this provides the most conservative assessment.
- 5.3 BRE**
- 5.3.1 The BRE Special Digest 1:2005, ‘Concrete in Aggressive Ground’ is used with soluble sulphate and pH results to assess the aggressive chemical environment of future underground concrete structures at the site.
- 5.4 Analytical Framework – Groundwater and Leachate**
- 5.4.1 The requirement to protect groundwater from pollution is outlined in Groundwater Protection: Principles and Practice (GP3, EA, August 2013, v1.1).
- 5.4.2 Where undertaken, the groundwater quality analysis comprises a Level 1 assessment in accordance with the EA Remedial Targets Methodology Document (EA, 2006).

5.4.3 The criteria used by Jomas' in the Level 1 assessment of groundwater and leachate quality are shown in Table 5.2.

Table 5.2: Selected Assessment Criteria - Contaminants in Water

Substance Group	Determinand(s)	Assessment Criteria Selected
Metals	Arsenic, Boron, Cadmium, Chromium, Copper, Cyanide, Lead, Mercury, Nickel,	EQS/DWS
	Zinc	EQS
	Selenium	DWS
PAHs	Sum of Four – benzo(b)fluoranthene, benzo(ghi)perylene, benzo(k)fluoranthene, indeno(123-c,d)pyrene	DWS
PAH	Anthracene, Naphthalene	EQS
PAHs	Benzo(a)pyrene	EQS/ DWS
PAHs	Remainder	LEC
Total Petroleum Hydrocarbons	Aliphatic C5-C6, Aliphatic >C6-C8, Aliphatic >C8-C10. Aliphatic >C10-C12, Aliphatic >C12-C16, Aliphatic >C16-C21, Aromatic C5-C7, Aromatic >C7-C8, Aromatic >C8-C10, Aromatic >C10-C12, Aromatic >C12-C16, Aromatic >C16-C21, Aromatic > C21-C35	/WHO
Benzene	Benzene	EQS/ DWS
Toluene	Toluene	EQS/ WHO
Ethylbenzene	Ethylbenzene	WHO
Xylene	Xylene	EQS/WHO

Environmental Quality Standards EQS

Environmental Quality Standards (EQS) have been released by the EA for dangerous substances, as identified by the EC Dangerous Substances Directive. EQS can vary for each substance, for the hardness of the water and can be different for fresh, estuarine or coastal waters.

WHO Health

These screening criteria have been taken from the World Health Organisation Guidelines for Drinking Water Quality (2017). The health value is a guideline value representing the concentration of a contaminant that does not result in any significant risk to the receptor over a lifetime of exposure.

Further criteria have been obtained from 'Petroleum Products in Drinking-water' - Background document for development of WHO Guidelines for Drinking-water Quality (2005).

UK Drinking Water Standards (DWS)

These comprise screening criteria provided by the Drinking Water Inspectorate (DWI) in the Water Supply (Water Quality) Regulations 2018.

6 GENERIC QUANTITATIVE RISK ASSESSMENT – SOIL DATA

6.1 Screening of Soil Chemical Analysis Results – Human Health Risk Assessment

6.1.1 Laboratory analysis results for soils is summarised in Table 6.1 to Table 6.3. Raw laboratory data is included in Appendix 3.

6.1.2 Results have been screened against generic assessment criteria for a “commercial” end use, assuming 1% soil organic matter.

Table 6.1: Soil Laboratory Test Results - Metals, Metalloids, Phenol, Cyanide

Determinand	Unit	No. samples tested	Screening Criteria	Min	Max	No. Exceeding
Arsenic	mg/kg	9	S4UL 640	<10	20	0
Cadmium	mg/kg	9	S4UL 190	1.1	3.3	0
Chromium	mg/kg	9	S4UL 8600	7.0	160	0
Lead	mg/kg	9	C4SL 2300	57	400	0
Mercury	mg/kg	9	S4UL 320	<2.5	<2.5	0
Nickel	mg/kg	9	S4UL 980	13	77	0
Copper	mg/kg	9	S4UL 68000	25	230	0
Zinc	mg/kg	9	S4UL 730000	100	1000	0
Total Cyanide ^A	mg/kg	9	CLEA v 1.06 33	<1	<1	0
Selenium	mg/kg	9	S4UL 12000	<8.0	<8.0	0
Boron Water Soluble	mg/kg	9	S4UL 240000	<2.5	9.6	0
Phenols	mg/kg	9	S4UL 440	<1	<1	0

Notes: ^A Generic assessment criteria derived for free inorganic cyanide.

Table 6.2: Soil Laboratory Test Results - Polycyclic Aromatic Hydrocarbons (PAHs)

Determinand	Unit	No. Samples Tested	Screening Criteria	Min	Max	No. Exceeding
Naphthalene	mg/kg	9	S4UL 190	<0.02	0.38	0
Acenaphthylene	mg/kg	9	S4UL 83000	<0.02	0.05	0
Acenaphthene	mg/kg	9	S4UL 84000	<0.02	0.15	0
Fluorene	mg/kg	9	S4UL 63000	<0.02	0.11	0
Phenanthrene	mg/kg	9	S4UL 22000	0.22	1.4	0
Anthracene	mg/kg	9	S4UL 520000	0.05	0.55	0
Fluoranthene	mg/kg	9	S4UL 23000	0.15	2.3	0
Pyrene	mg/kg	9	S4UL 54000	0.13	2.2	0
Benzo(a)anthracene	mg/kg	9	S4UL 170	0.08	1.2	0

Determinand	Unit	No. Samples Tested	Screening Criteria		Min	Max	No. Exceeding
Chrysene	mg/kg	9	S4UL	350	0.11	1.6	0
Benzo(b)fluoranthene	mg/kg	9	S4UL	44	0.11	2.7	0
Benzo(k)fluoranthene	mg/kg	9	S4UL	1200	0.02	0.78	0
Benzo(a)pyrene	mg/kg	9	S4UL	35	0.06	2.6	0
Indeno(123-cd)pyrene	mg/kg	9	S4UL	500	0.03	1.6	0
Dibenzo(ah)anthracene	mg/kg	9	S4UL	3.5	<0.02	0.25	0
Benzo(ghi)perylene	mg/kg	9	S4UL	3900	0.06	2.2	0
Total PAH	mg/kg	9	-	-	1.4	19	-

Table 6.3: Soil Laboratory Analysis Results - Total Petroleum Hydrocarbons (TPHCWG)

TPH Band	Unit	No. Samples Tested	Screening Criteria		Min	Max	No. Exceeding
>C ₅ -C ₆ Aliphatic	mg/kg	9	S4UL	3200	< 0.06	0.12	0
>C ₆ -C ₈ Aliphatic	mg/kg	9	S4UL	7800	< 0.06	0.34	0
>C ₈ -C ₁₀ Aliphatic	mg/kg	9	S4UL	2000	< 0.06	0.08	0
>C ₁₀ -C ₁₂ Aliphatic	mg/kg	9	S4UL	9700	< 1.0	6.3	0
>C ₁₂ -C ₁₆ Aliphatic	mg/kg	9	S4UL	59000	3.1	15	0
>C ₁₆ -C ₂₁ Aliphatic	mg/kg	9	S4UL	1600000	7.5	41	0
>C ₂₁ -C ₃₅ Aliphatic	mg/kg	9	S4UL	1600000	14	140	0
>C ₃₄ -C ₄₄ Aliphatic	mg/kg	9	S4UL	1600000	<5.0	31	0
>C ₅ -C ₇ Aromatic	mg/kg	9	S4UL	26000	<0.01	0.03	0
>C ₇ -C ₈ Aromatic	mg/kg	9	S4UL	56000	<0.01	0.04	0
>C ₈ -C ₁₀ Aromatic	mg/kg	9	S4UL	35000	<0.06	<0.06	0
>C ₁₀ -C ₁₂ Aromatic	mg/kg	9	S4UL	16000	<1.0	3.1	0
>C ₁₂ -C ₁₆ Aromatic	mg/kg	9	S4UL	36000	1.9	18	0
>C ₁₆ -C ₂₁ Aromatic	mg/kg	9	S4UL	28000	7.9	64	0
>C ₂₁ -C ₃₅ Aromatic	mg/kg	9	S4UL	28000	26	260	0
>C ₃₅ -C ₄₄ Aromatic	mg/kg	9	S4UL	28000	<5.0	88	0
Total TPH (Ali/Aro)	mg/kg	9	-	-	84	470	-

6.2 Asbestos in Soil

6.2.1 9No samples of the Made Ground were screened in the laboratory for the presence of asbestos.

6.2.2 No asbestos containing materials (ACM) or fibres were reported in samples analysed in the laboratory.

6.3 Volatile Organic Compounds

6.3.1 In addition to the suites outlined previously, 9No samples were tested for the presence of volatile organic compounds (VOCs) including BTEX compounds (benzene, toluene, ethylbenzene, xylene). Compounds reported above detection limit are summarised below, with generic assessment criteria where available.

Table 6.4: Soil Laboratory Analysis Results – Volatile Organic Compounds (VOCs)

Determinand	Unit	No. Samples Tested	Screening Criteria		Min.	Max.	No. Exceeding
Benzene	mg/kg	9	CL:AIRE	27.0	<0.01	0.03	0
Toluene	mg/kg	9	CL:AIRE	869.0	<0.01	0.04	0
o-Xylene	mg/kg	9	CL:AIRE	6600.0	<0.01	0.02	0
Chloromethane	mg/kg	9	CL:AIRE	50.0	<0.02	0.02	0
Dichloromethane	mg/kg	9	CL:AIRE	96.0	<0.10	0.29	0
Cis 1,2 Dichloroethylene	mg/kg	9	-	-	<0.01	0.03	0
Trichloroethylene	mg/kg	9	-	-	<0.01	0.09	0

6.4 Semi Volatile Organic Compounds

6.4.1 In addition to the suites outlined previously, 9No samples were tested for the presence of semi volatile organic compounds (SVOCs).

6.4.2 Compounds reported above detection limit are summarised below, with generic assessment criteria where available.

Table 6.5: Soil Laboratory Analysis Results – Volatile Organic Compounds (VOCs)

Determinand	Unit	No. Samples Tested	Screening Criteria		Min.	Max.	No. Exceeding
2-Methylnaphthalene	mg/kg	9	-	-	<0.2	0.3	0
Acenaphthene	mg/kg	9	S4UL	84000	<0.1	5.0	0
Anthracene	mg/kg	9	S4UL	520000	<0.1	8.7	0
Benzo[a]anthracene	mg/kg	9	S4UL	170	<0.1	15	0
Benzo(ghi)perylene	mg/kg	9	S4UL	3900	<0.1	7.7	0
Benzo[a]pyrene	mg/kg	9	S4UL	35	<0.2	16	0
Benzo[b]fluoranthene	mg/kg	9	S4UL	44	0.1	15	0
Benzo[k]fluoranthene	mg/kg	9	S4UL	1200	<0.1	8.2	0
Bis(2-ethylhexyl) phthalate	mg/kg	9	-	-	0.5	5.8	0
Chrysene	mg/kg	9	S4UL	350	<0.1	9.9	0
Dibenzofuran	mg/kg	9	-	-	<0.1	1.9	0
Dibutyl phthalate	mg/kg	9	-	-	<0.1	9.1	0
Fluoranthene	mg/kg	9	S4UL	23000	0.2	37	0

Determinand	Unit	No. Samples Tested	Screening Criteria		Min.	Max.	No. Exceeding
Fluorene	mg/kg	9	S4UL	63000	<0.1	2.9	0
Indeno[1,2,3-cd]pyrene	mg/kg	9	S4UL	500	<0.2	11	0
Naphthalene	mg/kg	9	S4UL	190	<0.1	<1.0	0
Phenanthrene	mg/kg	9	S4UL	22000	0.3	26	0
Phenol	mg/kg	9	S4UL	440	<0.1	<1.0	0
Pyrene	mg/kg	9	S4UL	54000	0.1	27	0

6.5 Semi Volatile Organic Compounds – Tentatively Identified Compounds (SVOCs – TICS)

6.5.1 In addition to the suites outlined previously, 9No samples were tested for the presence of semi volatile organic compounds – tentatively identified compounds (SVOCs - TICS).

Table 6.6: Soil Analytical Data - SVOC TICs

Sample Location	Determinand – Top Matches	Retention Time	% Score
BH1	Fluoranthene	10.3	96.6
	9H-Fluorene, 9-methylene-	8.3	91.25
	Benzo[k]fluoranthene	16.1	84.11
	1H-Indene, 2-phenyl-	9.3	84.02
	Hexane, 3,3-dimethyl-	7	82.31
BH2	Dodecane, 2,6,11-trimethyl-	6.5	91.37
	Octane, 2,4,6-trimethyl-	5.4	90.39
	Pentadecane, 2,6,10,14-tetramethyl-	7.6	88.94
	Fluoranthene	10.3	88.37
	Undecane, 4,7-dimethyl-	6	86.92
BH1	2-Pentanone, 4-hydroxy-4-methyl-	2.6	92.95
	5,6-Dihydrochrysene	8.9	92.83
	Fluoranthene	10.2	86.36
	Naphthalene, 2-methyl-	5.5	84.27
	Benzene, chloro-	2.7	83.79
WS2	Fluoranthene	10.3	94.94
	Phenanthrene	8.3	86.55
	Pyrene	10.6	85.98
	9H-Fluorene, 9-methylene-	8.4	82.63
	Benzo[a]pyrene	15.4	80.57
WS1	2-Pentanone, 4-hydroxy-4-methyl-	2.6	94.56

Sample Location	Determinand – Top Matches	Retention Time	% Score
WS1	Hexadecane	5.4	92.57
	Naphthalene, 2-methyl-	5.5	90.3
	Naphthalene, 1,6-dimethyl-	6.25	89.87
	Dodecane, 2,6,11-trimethyl-	6.5	88.21
	Fluoranthene	10.3	96.28
	2-Pentanone, 4-hydroxy-4-methyl-	2.6	94.95
	Phenanthrene	8.3	91.35
	Benzo[k]fluoranthene	15.4	90.65
WS2	Naphthalene, 1,6-dimethyl-	6.2	88.71
	Fluoranthene	10.3	97.18
	2-Pentanone, 4-hydroxy-4-methyl-	2.6	93.71
	Pyrene	10.7	89.84
	Benzo[k]fluoranthene	15.4	87.42
WS4	Phenanthrene	8.3	85.66
	2-Pentanone, 4-hydroxy-4-methyl-	2.6	93.95
	Naphthalene, 2-methyl-	5.5	89.16
	9H-Fluorene, 9-methylene-	8.3	88.88
	Naphthalene, 2-methyl-	5.6	86.82
WS5	Pentane, 2,2,3,4-tetramethyl-	4.2	85.88
	Fluoranthene	10.2	97.36
	Phenanthrene	8.3	95.77
	Perylene	16	92.13
	Anthracene	8.4	91.94
	2-Pentanone, 4-hydroxy-4-methyl-	2.6	91.9

6.6 Summary of Human Health Generic Quantitative Risk Assessment

6.6.1 In summary, no exceedances of contaminants above the GAC were recorded in any of the soil samples tested.

6.7 Screening for Water Pipes Materials

6.7.1 The results of the analysis have been assessed for potential impact upon water supply pipes. Table 6.7 below summarises the findings of the assessment:

Table 6.7: Screening Guide for Water Pipes

Determinand	No. of tests	Threshold for Polyethylene Pipes* (mg/kg)	Value for site data (mg/kg)		No of Exceedances
			Min	Max	
Total VOCs	9	0.5	<1.11**	0.41	0
BTEX	9	0.1	<0.06	0.13	1No BH2@0.85mbgl
MTBE	9	0.1	<0.01	<0.01	0
EC5-EC10	9	1	<0.26	0.54	0
EC10-EC16	9	10	<7	41.4	6No (BH1@7.00mbgl, BH2@0.45mbgl, BH2@0.85mbgl, WS1@0.75mbgl, WS2@0.75mbgl, WS4@0.40mbgl, WS5@0.45mbgl)
EC16-EC44	9	500	<88.1**	549	1No (WS5@0.45mbgl)
Naphthalene	9	5	<0.02	0.38	0
Phenols	9	2	<0.80	<0.80	0

* UK Water Industry Research (2010) Source Guidance for Selection of Water Supply Pipes to be Used in Brownfield Sites. Report No. 10/WM/03/21.

** Assumed no exceedances where each compound does not exceed the detection limit

- 6.7.2 The above suggests that upgraded pipe work may be required.
- 6.7.3 Alternatively, it may be possible to utilise other protection methods including (but not limited to):
- Diversion of the pipe,
 - Localised remediation
 - Embedding the pipe in a sufficient thickness of clean granular material
- 6.7.4 The water supply pipe requirements for this site should be discussed at an early stage with the relevant utility provider.
- 6.8 Assessment of Soil Analytical Data with Respect to Controlled Waters**
- 6.8.1 At the Preliminary Risk Assessment (Desk Study) stage, risks to controlled waters were low/moderate.
- 6.8.2 The following controlled waters receptors were identified:
- Secondary A aquifer within the superficial and solid deposits on site.

- River Tame 11m west.

- 6.8.3 Pathways for migration of leachable/mobile contamination were considered to be potentially present within the underlying Etruria Formation.
- 6.8.4 The ground conditions encountered are considered to confirm the expected geological succession and confirmed that potential pathways for migration of leachable/mobile contamination are present.
- 6.8.5 However, with reference to Section 4.4, no significant visual/olfactory evidence of potentially mobile contamination was encountered, and therefore a pollutant linkage to controlled waters is not considered to exist.
- 6.8.6 Further assessment of risks to controlled waters is provided in Section 7.

7 GENERIC QUANTITATIVE RISK ASSESSMENT – GROUNDWATER DATA

7.1 Groundwater sampling

7.1.1 A groundwater sample obtained from the monitoring well installed within exploratory location BH2 was submitted for chemical analysis.

7.1.2 The sample was obtained by means of low flow methodology. Groundwater sampling records are presented in Appendix 6.

7.2 Assessment of groundwater analytical data with respect to controlled waters

7.2.1 The results of the laboratory testing are summarised in Table 7.1 to Table 7.3 below and compared to GAC for controlled waters receptors. Analytical laboratory certificates are presented in Appendix 3.

Table 7.1: Groundwater Laboratory Analysis Results – Metals, Metalloids, Phenol, Cyanide

Determinand	Unit	No. samples tested	Screening Criteria		Result	Exceedance
Arsenic	µg/l	1	10	DWS	46.5	✓
	µg/l		50	EQS	46.5	X
Cadmium	µg/l	1	5	DWS	< 0.20	X
	µg/l		<0.08-0.25*	EQS	< 0.20	X
Chromium	µg/l	1	50	DWS	0.37	X
	µg/l		4.7	EQS	0.37	X
Lead	µg/l	1	10	DWS	2.28	X
	µg/l		1.2*	EQS	2.28	✓
Nickel	µg/l	1	20	DWS	7.97	X
	µg/l		4*	EQS	7.97	✓
Copper	µg/l	1	1.0	EQS	1.37	✓
			2000	DWS	1.37	X
Zinc	µg/l	1	10.9*	EQS	11.1	✓
Mercury	µg/l	1	1.0	DWS	0.099	X
	µg/l		0.07	EQS	0.099	✓
Selenium	µg/l	1	10	DWS	9.76	X
Boron	µg/l	1	1000	DWS	2160	✓
	µg/l		2000	EQS	2160	✓
Cyanide (Total)	µg/l	1	50	DWS	45	X
	µg/l		1	EQS	45	✓
Phenols (Total)	µg/l	1	7.7	EQS	453	✓

* bioavailable concentration

*Assessment criteria dependent on water hardness

**bioavailable concentration + ambient background concentration dissolved for Thames Groundwater (2 µg/L)

Table 7.2: Groundwater Analysis Results - Polycyclic Aromatic Hydrocarbons (PAHs)

Determinand	Unit	No. samples tested	Screening Criteria		Result	Exceedance
Naphthalene	µg/l	1	2.0	EQS	<0.20	X
Acenaphthylene	µg/l	1	-	-	<0.20	-
Acenaphthene	µg/l	1	-	-	<0.20	-
Fluorene	µg/l	1	-	-	<0.20	-
Phenanthrene	µg/l	1	-	-	<0.20	-
Anthracene	µg/l	1	0.1	EQS	<0.20	X
Fluoranthene	µg/l	1	0.0063	EQS	<0.20	X
Pyrene	µg/l	1	-	-	<0.20	-
Benzo(a)anthracene	µg/l	1	-	-	<0.20	-
Chrysene	µg/l	1	-	-	<0.20	-
Benzo(b)fluoranthene	µg/l	1	0.017	EQS	<0.20	X
Benzo(k)fluoranthene	µg/l	1	0.017	EQS	<0.20	X
Benzo(a)pyrene	µg/l	1	0.01	DWS	<0.20	X
	µg/l	1	0.00017	EQS	<0.20	X
Dibenzo(ah)anthracene	µg/l	1	-	-	<0.20	-
Benzo(ghi)perylene	µg/l	1	0.0082	EQS	<0.20	X
Sum of four Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(ghi)perylene Indeno(123-cd)pyrene	µg/l	1	0.1	DWS	<0.80	X

Table 7.3: Groundwater Analysis Results - TPHCWG & BTEX - Controlled Waters

Determinand	Unit	No. Samples tested	Screening Criteria		Min.	Exceedance
Benzene	µg/l	1	1.0	DWS	<6.0	X
	µg/l	1	10	EQS	<6.0	X
Toluene	µg/l	1	74	EQS	<6.0	X
Ethylbenzene	µg/l	1	300	WHO	<6.0	X
Xylenes (total)	µg/l	1	500	WHO	<18.0	X
	µg/l	1	30	EQS	<18.0	X
MTBE	µg/l	1	15	WHO	<6.0	X
>C5-C6 Aliphatic	µg/l	1	15000	WHO	< 6.00	X
>C6-C8 Aliphatic	µg/l	1	15000	WHO	< 6.00	X
>C8-C10 Aliphatic	µg/l	1	300	WHO	< 6.00	X

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Determinand	Unit	No. Samples tested	Screening Criteria		Min.	Exceedance
>C10-C12 Aliphatic	µg/l	1	300	WHO	< 10.00	X
>C12-C16 Aliphatic	µg/l	1	300	WHO	58.4	X
>C16-C21 Aliphatic	µg/l	1	-	-	185	X
>C21-C35 Aliphatic	µg/l	1	-	-	1750	X
>C5-C7 Aromatic	µg/l	1	10	WHO	3.00	X
>C7-C8 Aromatic	µg/l	1	700	WHO	3.18	X
>C8-C10 Aromatic	µg/l	1	300	WHO	12.3	X
>C10-C12 Aromatic	µg/l	1	90	WHO	< 10.00	X
>C12-C16 Aromatic	µg/l	1	90	WHO	< 20.00	X
>C16-C21 Aromatic	µg/l	1	90	WHO	39.4	X
>C21-C35 Aromatic	µg/l	1	90	WHO	303	✓

7.2.2 In addition to the suite outlined above, the water sample was also analysed for a suite of volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCs) None of the compounds analysed for VOCs were reported above the laboratory method detection limit. 10No of the compounds analysed for SVOCs were found to be above the laboratory method detection limit. These are listed in Table 8.4.

Table 7.4: Groundwater Analysis Results

Determinand	Unit	No. Samples tested	Screening Criteria		Min.	Exceedance
2,4-Dimethylphenol	µg/l	1	-	-	5.49	-
2-Methylphenol	µg/l	1	-	-	7.52	-
3/4-Methylphenol	µg/l	1	-	-	7.17	-
Benzo(a)pyrene	µg/l	1	0.01	DWS	4.39	✓
	µg/l	1	0.00017	EQS	4.39	✓
Bis(2-ethylhexyl) phthalate	µg/l	1	-	-	18.7	-
Fluoranthene	µg/l	1	0.0063	EQS	8.42	✓
Indeno[1,2,3-cd]pyrene	µg/l	1	0.1*	DWS	4.65	✓
Phenanthrene	µg/l	1	-	-	6.64	-
Phenol	µg/l	1	7.7	EQS	24.6	✓
Pyrene	µg/l	1	-	-	7.41	-

*Screening criteria for Sum of four Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(ghi)perylene Indeno(123-cd)pyrene

7.2.3 In addition, the top 5 tentatively identified compounds (TICs) were identified as Pyrene, Phenanthrene, Acenaphthene, 1-methyl-naphthalene and 2-methyl-naphthalene.

7.2.4

- 7.2.5 The concentration of >C21-C35 Aromatic exceeded the WHO criterion. However, this compound is reported by CL:AIRE to be of "very low" aqueous solubility and mobility, and the reported concentrations of TPH in soil were very low, therefore >C21-C35 Aromatic is not considered to pose a significant risk to controlled waters.
- 7.2.6 Concentrations of arsenic, boron, benzo(a)pyrene and indeno[1,2,3-cd]pyrene were found to exceed drinking water standards (DWS). Although the site lies within a Secondary A aquifer, the site is not located within a source protection zone, and no potable abstractions are reported within 2km of the site. On this basis, no significant risk to drinking water receptors is considered to be present.
- 7.2.7 Concentrations of lead, nickel, copper, zinc, mercury, boron, cyanide, phenols, benzo(a)pyrene and fluoranthene were found to exceed of environmental quality standards (EQS).
- 7.2.8 Of these exceedances, copper, zinc, mercury and boron are considered to be relatively minor exceedances of very low assessment criteria, and no significantly elevated concentrations of these contaminants have been identified in soils on site and with reference to the conceptual site model and surrounding industrial land uses, these elevated concentrations are considered most likely to be representative of generally poor groundwater quality in the wider area.
- 7.2.9 The EQS for lead is a bioavailable concentration compared to the total concentration reported by the testing. On the basis that the bioavailable quantity would be expected to be lower than the total concentration and the relatively low exceedance reported, this is not considered to pose a major risk to environmental receptors.
- 7.2.10 The EQS exceedances for cyanide and phenol are substantial and given the proximity to the nearest environmental receptor (River Tame, 11m west) are of greater concern. Neither cyanide nor phenol have been reported above detection limit in the 9No soil samples analysed in the laboratory. On this basis it is considered unlikely that a major soil source of these contaminants is present on site and, as mentioned above, may be indicative of poor groundwater quality generally as a result of industrial uses in the wider area.
- 7.2.11 On the basis of the above, the soils on site are not considered to pose a significant risk to controlled waters receptors.
- 7.3 Assessment of Groundwater Analytical Data with Respect to Vapour Intrusion Pathways**
- 7.3.1 In order to further assess potential risks to human health receptors via vapour intrusion pathways, the groundwater results have been compared to generic assessment criteria, published by the Society of Brownfield Risk Assessment (SoBRA) in 2017, relevant to a pollutant linkage via vapour intrusion from a dissolved phase source in groundwater. As per the CSM, potential receptors at risk comprise future site users and adjacent occupants and therefore the GAC have been selected for a commercial end use.
- 7.3.2 This assessment supplements the assessment of risks via vapour intrusion from soil data provided in Section 7.5.
- 7.3.3 The assessment results are presented in Table 7.5. Only contaminants recorded above detection limits have been assessed.

Table 7.5: Groundwater Vapour Risk Assessment – Human Health

Determinand	Unit	No. samples tested	Screening Criteria	Result	Exceedance
Fluoranthene	µg/l	1	Insufficiently volatile	<0.20	-
Sum of four Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(ghi)perylene Indeno(123-cd)pyrene	µg/l	1	Insufficiently volatile	<0.80	-
Benzo(a)pyrene	µg/l	1	Insufficiently volatile	<0.20	-
Phenol	µg/l	1	Insufficiently volatile	24.6	-
>C12-C16 Aliphatic	µg/l	1	Insufficiently volatile	58.4	-
>C16-C21 Aliphatic	µg/l	1	Insufficiently volatile	185	-
>C21-C35 Aliphatic	µg/l	1	Insufficiently volatile	1750	-
>C5-C7 Aromatic	µg/l	1	Insufficiently volatile	3	-
>C7-C8 Aromatic	µg/l	1	Insufficiently volatile	3.18	-
>C8-C10 Aromatic	µg/l	1	190,000	12.3	0
>C16-C21 Aromatic	µg/l	1	Insufficiently volatile	39.4	-
>C21-C35 Aromatic	µg/l	1	Insufficiently volatile	303	-

- 7.3.4 No exceedances of the GAC were detected and therefore it is concluded that a pollutant linkage to end users of the proposed development and adjacent site users from vapour inhalation from a groundwater source does not exist.
- 7.3.5 From the above assessment, it is concluded that a pollutant linkage to end users of the proposed development and adjacent site users from vapour inhalation from a groundwater source does not exist.
- 7.3.6 Further consideration of vapour risks is provided within Section 8, alongside the ground gas assessment.

8 SOIL GAS RISK ASSESSMENT

8.1 Soil Gas Results

- 8.1.1 Three return monitoring visits have been undertaken between 26 August 2025 and 17 September 2025, to monitor wells installed within boreholes at the site for soil gas concentrations and groundwater levels.
- 8.1.2 During these visits atmospheric pressure ranged between 988mb and 995mb. During these visits pressure trends observed were rising and falling.
- 8.1.3 The results of the monitoring undertaken are summarised in Table 8.1 below, with the monitoring records presented in Appendix 5.

Table 8.1: Summary of Gas Monitoring Data

Hole No.	Number of monitoring events	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	VOCs (ppm)	Steady Flow Rate (l/hr)	Peak Flow Rate (l/hr)	Depth to water (mbgl)	Well Response Zone as installed (top/bottom) (mbgl)	Strata targeted by response zone
WS1	3	<0.1 – 0.1	0.2 – 0.3	20.5 – 20.9	0.0	<0.1 – +0.5	<0.1 – +0.5	DRY	1 – 5	Made Ground
WS4	3	4.7 – 10.6	3.9 – 14.5	1.8 – 7.7	0.3 – 1.2	<0.1 – +0.5	<0.1 – +0.5	DRY	1 – 3	Made Ground/ Etruria Formation
BH2	3	4.8 – 11.4	<0.1	3.2 – 12.5	0.2 – 2.0	<0.1 – +0.5	<0.1 – +0.5	3.98 – 3.99	1 – 8	Made Ground

8.2 Screening of Results

- 8.2.1 As shown in Table 8.1, methane was reported to a maximum concentration of 11.4%. The concentrations of carbon dioxide ranged from <0.1 to 14.5% v/v. The maximum concentration of volatile organic compounds measured was 2.0ppm. The maximum gas flow rate recorded was 0.5l/hr.
- 8.2.2 In the assessment of risks posed by hazardous ground gases and selection of appropriate mitigation measures, BS8485 (2015) + A1 (2019) identifies four types of development, termed Type A to Type D.
- 8.2.3 Type B buildings are defined as

“private or commercial property with central building management control of any alterations to the building or its uses but limited or no central building management control of the maintenance of the building, including the gas protection measures. Multiple occupancy. Small to medium size rooms with passive ventilation of rooms and other internal spaces throughout ground floor and basement areas. May be conventional building or civil engineering construction. Examples include managed apartments, multiple occupancy offices, some retail premises and parts of some public buildings (such as schools, hospitals, leisure centres) and parts of hotels.”

8.2.4 Type D buildings are defined as

“industrial style building having large volume internal space(s) that are well ventilated. Corporate ownership with building management controls on alterations to the ground floor and basement areas of the building and on maintenance of ground gas protective measures. Probably civil engineering construction. Examples are retail park sales buildings, factory shop floor areas, warehouses. (Small rooms within these style buildings should be separately categorized as Type B or Type C).”

8.2.5 Type D has been adopted as the relevant category for the majority of the proposed development. As indicated above some small areas will need to be categorised separately as Type B (reception area, security booths and disused waste disposal unit)

8.2.6 The soil gas assessment method is based on that proposed by Wilson & Card (1999), which was a development of a method proposed in CIRIA publication R149 (CIRIA, 1995). The method uses both gas concentrations and borehole flow rates to define a characteristic situation based on the limiting borehole gas volume flow for methane and carbon dioxide. In both these methods, the limiting borehole gas volume flow is renamed as the Gas Screening Value (GSV).

8.2.7 The Gas Screening Value (litres of gas per hour) is calculated by using the following equation

$$\text{GSV} = (\text{Concentration}/100) \times \text{Flow rate}$$

Where concentration is measured in percent (%)

and flow rate is measured in litres per hour (l/hr)

8.2.8 In accordance with CIRIA C665, worst case conditions are used in the calculation of GSVs for the site. These have been summarised below in Table 8.2.

8.2.9 The Characteristic Situation is then determined from Table 8.5 of CIRIA C665.

Table 8.2: Summary of Gas Monitoring Data and Gas Screening Value

Gas	Concentration (v/v %)	Peak Flow Rate (l/hr)	GSV (l/hr)	Characteristic Situation (after CIRIA C665)
CO ₂	14.5	0.5	0.073	2
CH ₄	11.4	0.5	0.057	1

8.2.10 Given that the buildings are generally large, open, ventilated industrial, warehouse style, construction (Type D) and using the methodology set out in BS8485 (2015) + A1 (2019) the gas protection measures for Characteristic Situation 2 must provide a minimum of 1.5 points. These could easily be provided using standard construction methodologies (see Table 8.3). As such, no specific additional measures are considered to be required.

8.2.11 However, in small, enclosed rooms, such as offices etc. within these buildings it is deemed appropriate to consider these areas as Type B buildings. Using the methodology set out in BS 8485 (2015) it has been determined that a Type B development on a CS2 sites the gas protection measures must provide a minimum of 3.5 points.

8.2.12 This can be achieved in a number of ways, within BS8485 it is recommended that a range of protection measures are utilised with a minimum of two separate methods chosen from the three groupings (Structural, Ventilation and Barrier).

8.2.13 However, it is felt the following provides options for the most suitable solution for the proposed development:

Table 8.3: Recommended Gas Protection Measures

Protection Measures	BS 8485 Score
<u>Structural</u>	
Cast in situ monolithic reinforced ground bearing raft or reinforced cast in situ suspended floor slab with minimal penetrations	1.5
<u>Ventilation</u>	
Pressure relief pathway	0.5
Or	
Passive sub floor dispersal layer of:	
• Very good performance:	2.5
• Good performance:	1.5
<u>Barrier</u>	
Gas resistant membrane meeting all of the following criteria:	2
- sufficiently impervious to the gases with a methane gas transmission rate <40.0 ml/day/m²/atm (average) for sheet and joints (tested in accordance with BS ISO 15105-1 manometric method); - sufficiently durable to remain serviceable for the anticipated life of the building and duration of gas emissions; - sufficiently strong to withstand in-service stresses (e.g. settlement if placed below a floor slab); - sufficiently strong to withstand the installation process and following trades until covered (e.g. penetration from steel fibres in fibre reinforced concrete, penetration of reinforcement ties, tearing due to working above it, dropping tools, etc); - capable, after installation, of providing a complete barrier to the entry of the relevant gas; and - verified in accordance with CIRIA C735	
MINIMUM REQUIRED TOTAL	3.5

8.2.14 To achieve a score of 1.5 the suspended slab should be well reinforced to control cracking and have minimal penetrations of the slab. Any necessary penetrations should be cast in.

8.3 The media used to provide the dispersal layer can vary but commonly are formed using either clear void; a polystyrene void former blanket; a geocomposite void former blanket; a no-fines gravel layer with gas drains or a no-fines gravel layer. In designing the ventilation layer, the ventilation effectiveness of different media needs to be taken into consideration. The effectiveness of the ventilation layer depends on a number of different factors including the transmissivity of the medium, the width of the building, the side ventilation spacing and type and the thickness of the layer.

- 8.3.1 During construction where personnel are required to enter excavations of greater than 1.2m the air quality (carbon dioxide, methane and oxygen as a minimum) should be regularly checked prior and during person entry. Appropriate precautions, including but not limited to, venting, PPE and gas alarms should be undertaken
- 8.3.2 Any permanent excavations such as manholes, inspection chambers or other void spaces formed beneath the sites ground surface are potential ground gas traps and precautions, as per above, are considered the minimum necessary prior to person entry.
- 8.3.3 BS 8576:2013 has been used to derive threshold levels for carbon monoxide and volatile organic compounds.
- 8.3.4 Given the recorded levels it is not considered that additional protection measures need to be incorporated to protect end users from the recorded carbon monoxide concentrations.
- 8.3.5 PID screening of the monitoring well headspace has revealed maximum concentrations of VOCs of 2ppm. Therefore, it is considered that the PID screening of monitoring well confirms the assessment that risks to human health receptors via vapour inhalation pathways are low.

9 GEO-ENVIRONMENTAL ASSESSMENT SUMMARY AND RECOMMENDATIONS

9.1 Land Quality Impact Summary

9.1.1 Following the ground investigation, the following is noted:

- The proposed development is to comprise redevelopment of the existing waste transfer facility for continued commercial use including demolition of some existing structures. No extensive areas of soft landscaping are anticipated.
- Following generic risk assessments, no elevated concentrations of chemical contaminants were detected in soils in excess of generic assessment criteria for the protection of human health within a commercial end-use scenario.
- No asbestos containing materials or fibres were detected in the Made Ground samples analysed in the laboratory.
- The risk to end users associated with vapour risk inhalation from soils is considered negligible.
- The site is not considered to pose a significant risk to controlled waters receptors.
- Based on the calculated GSVs a site classification of CS2 is considered necessary and therefore basic gas protection measures should be incorporated into the proposed structures. For details see Section 8.
- A significant risk to plant growth has not been identified.
- Upgraded potable water supply pipe materials are likely to be required. The water supply pipe requirements for this site should be discussed at an early stage with the relevant utility provider.
- A remedial strategy will be required for the proposed development.
- As with any ground investigation, the presence of further hotspots between sampling points cannot be ruled out. Should any contamination be encountered, a suitably qualified environmental consultant should be informed immediately, so that adequate measures may be recommended.

9.1.2 The above conclusions are made subject to approval by the statutory regulatory bodies.

9.2 Review of Pollutant Linkages Following Ground Investigation

9.2.1 The site CSM has been revised and updated from that suggested in the desk study in view of the ground investigation data, including soil laboratory analysis results. Table 9.1 highlights whether pollutant linkages identified in the original CSM are still relevant following the risk assessment, or whether pollutant linkages, not previously identified, exist.

SECTION 9
GEO-ENVIRONMENTAL ASSESSMENT SUMMARY AND
RECOMMENDATIONS

Table 9.1: Plausible Pollutants Linkages Summary (Pre-Remediation)

Potential Source (from desk study)	Pathway	Receptor	Relevant Pollutant Linkage?	Comment
- Potential for Made Ground associated with previous development operations and reported infilled ground – on site (S1) - Potential for contaminated ground associated with site use – on site (S2) - Potential for contaminated ground associated with site use – off site (S3) - Potential for ground gas generation from infilled ground both on and off site (S4)	- Ingestion and dermal contact with contaminated soil (P1) - Inhalation or contact with potentially contaminated dust and vapours (P2) - Permeation of water pipes and attack on concrete foundations by aggressive soil conditions (P6)	- Construction workers (R1) - Maintenance workers (R2) - Neighbouring site users (R3) - Future site users (R4) - Building foundations and on site buried services (water mains, electricity and sewer) (R5)	N	See section 9.1 above for remedial measures. The findings of this report should be included in the construction health and safety file, with adequate measures put in place for the protection of construction and maintenance workers. Contact should be made with relevant utility providers to confirm if upgraded materials are required. The concrete classification to protect buried concrete is discussed in Section 11.3.
	Accumulation and migration of soil gases (P5)		Y	Gas protection measures are required in accordance with CS2 classification.
	- Leaching through permeable soils, migration within the vadose zone (i.e., unsaturated soil above the water table) and/or lateral migration within surface water, as a result of cracked hardstanding or via service pipe/corridors and surface water runoff (P3) - Horizontal and vertical migration of contaminants within groundwater (P4)	- Neighbouring site users (R3) - Building foundations and on site buried services (water mains, electricity and sewer) (R5) - Controlled waters (R6) - Secondary A aquifer in superficial and solid deposits, on site - River Tame, 11m west	N	A significant risk of impact to controlled waters has not been identified. The concrete classification to protect buried concrete is discussed in Section 11.3.

10 DERIVATION OF GEOTECHNICAL PARAMETERS

10.1 Introduction

10.1.1 A summary of ground conditions obtained from the ground investigation and the derived geotechnical parameters is provided below.

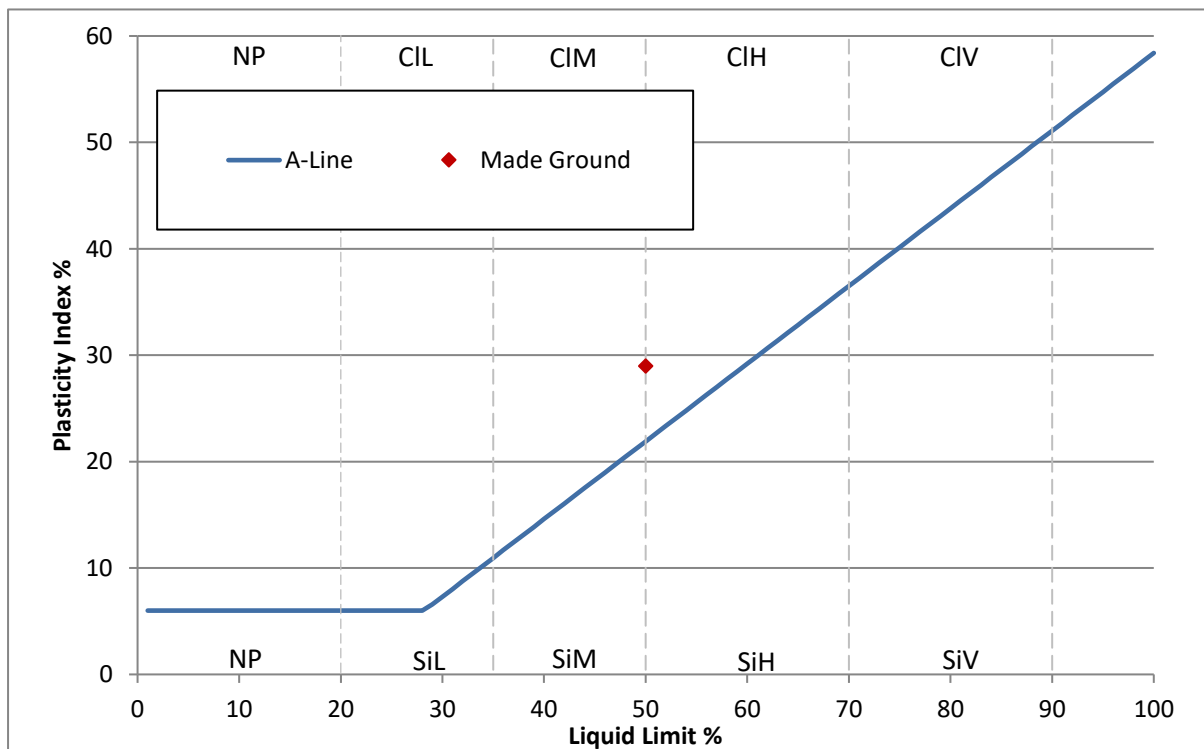
10.2 Plasticity of Cohesive Materials

10.2.1 Atterberg Limit determination was undertaken on 1No sample of Made Ground, at a depth of 6.0mbgl.

10.2.2 A plasticity index value has been reported as 29% and is indicative of intermediate plasticity, as illustrated in Figure 10.1 below.

10.2.3 A modified plasticity index value has been calculated as 13.34%, indicating soils with low volume change potential.

Figure 10.1: Plasticity Chart



10.3 Standard Penetration Tests

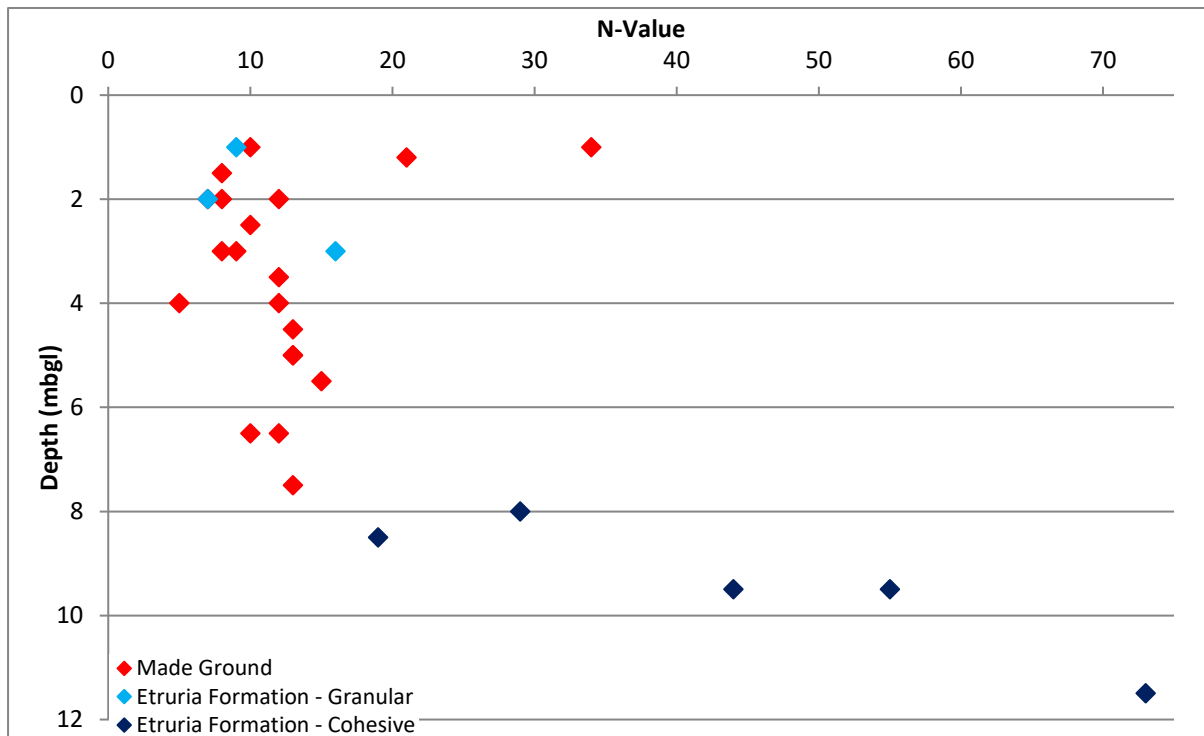
10.3.1 Standard penetration tests (SPT) were undertaken at regular intervals throughout the windowless sample boreholes and cable percussive boreholes. The results of the SPTs are plotted against depth in Figure 10.2 below.

10.3.2 The strata have been grouped into “Made Ground” and “Etruria Formation”.

10.3.3 N_{equi} results have been calculated where the full 300mm of penetration could not be achieved for 50 or more blows.

10.3.4 Where only minimal penetration was achieved (<20mm), the test was considered to be a 'refusal' and no N_{equi} result was calculated, thus these SPTs are excluded from the graph below.

Figure 10.2: SPT N-Value v Depth



10.4 Undrained Shear Strength

10.4.1 The results of the SPTs in cohesive soils have been used to infer the undrained shear strength using the correlation suggested by Stroud (1974).

$c_u = f_1 \times N$ can be applied,

in which

c_u = mass shear strength (kN)

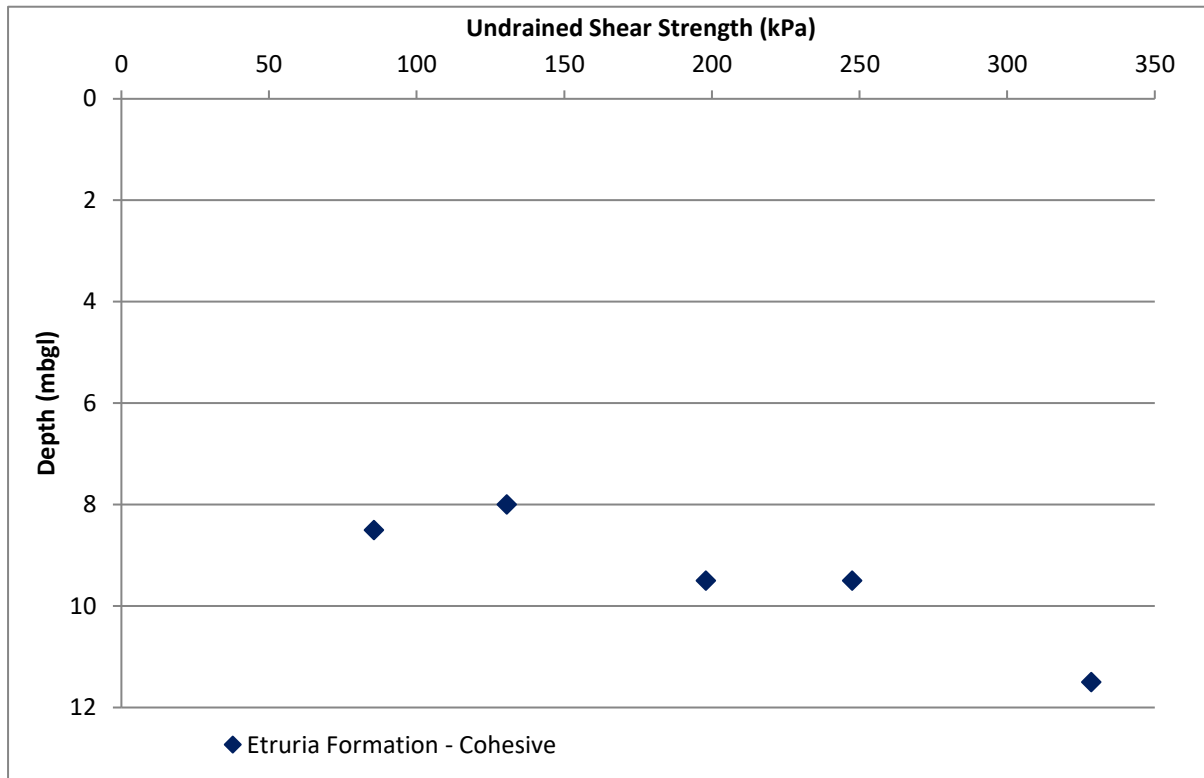
f_1 = constant

N = SPT value achieved during boring operations

10.4.2 In the above equation f_1 is dependent on the plasticity of the material that the SPT is being carried out in. In order to provide a conservative assessment, a value for f_1 of 4.5 has been adopted after Tomlinson (2001).

10.4.3 The graph below shows the shear strength profile of the encountered cohesive materials at the site, based on the SPT to shear strength correlation described above.

Figure 10.3: Undrained Shear Strength v Depth



10.5 Coefficient of Compressibility

10.5.1 Stroud and Butler (1974) developed a relationship between the coefficient of compressibility (m_v) and SPT N-value.

$m_v = 1 / f_2 \times N$ can be applied,

in which

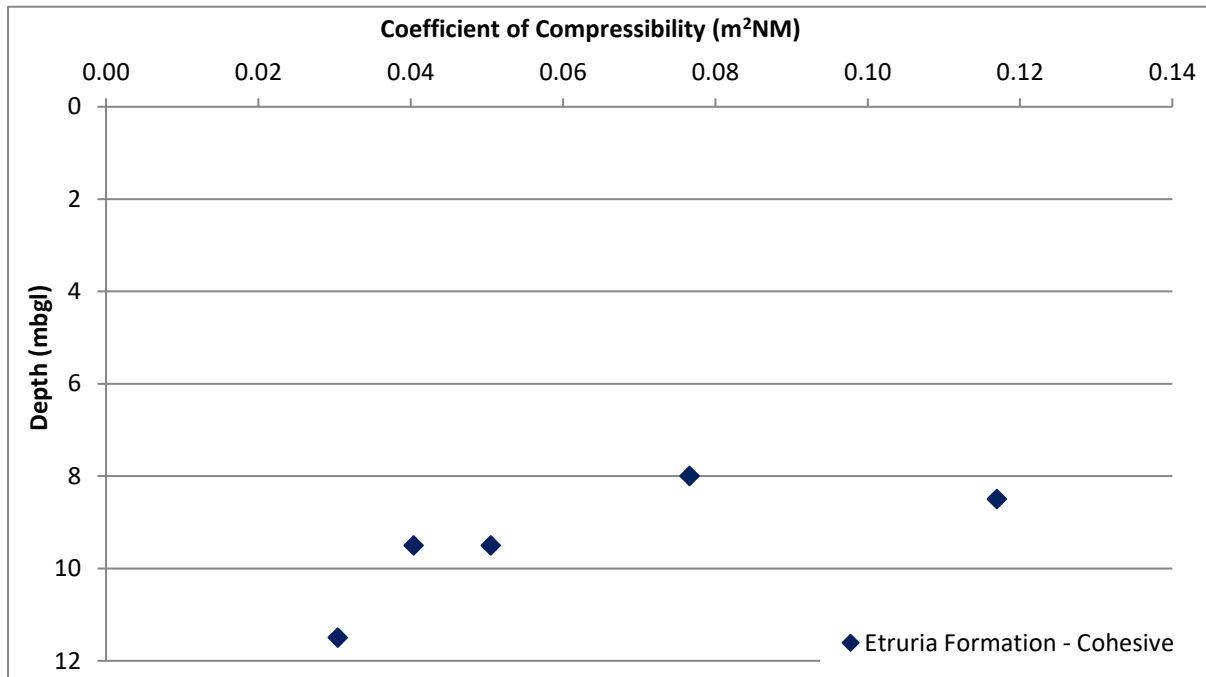
m_v = coefficient of compressibility (m^2/MN)

f_2 = constant dependent on the plasticity index

N = SPT value achieved during boring operations

10.5.2 Using the graphs provided in Tomlinson (2001) a value of f_2 of 0.45 has been taken and used with the SPT N-values to infer coefficient of compressibility (m_v).

Figure 10.4: Coefficient of Volume Compressibility (m_v) v Depth



10.5.3 The results range from of “medium” to “very low” compressibility, likely indicating the transition of soil to rock.

10.6 Density

10.6.1 In the absence of geotechnical laboratory test results, the correlations and suggested values for both cohesive and granular materials given in BS8004:2015 have been used.

10.6.2 The derived unit weights are summarised below in Table 10.1.

Table 10.1: Derived Unit Weights

Strata	Unit Weight (kN/m³)
Made Ground	17
Etruria Formation - Granular	18
Etruria Formation - Cohesive	20

10.7 Effective Angle of Shearing Resistance / Angle of Friction

10.7.1 In cohesive soils, the effective angle of shearing resistance can be derived from the plasticity index of the soil, using the following equation presented in BS8004:2015.

$$\phi' = 42 - (12.5 \times \text{LOG}_{10}(PI))$$

Where PI = Plasticity Index.

10.7.2 In the absence of site-specific geotechnical laboratory test data, an effective angle of shearing resistance in the range of 24-25° may be adopted for the cohesive deposits of Etruria Formation based on Jomas' knowledge and experience of similar deposits.

10.7.3 In granular materials, the effective angle of friction can be derived using the methodology outlined in Table 1 of BS8004:2015, using a combination of the SPT N-Values, particle size distribution (PSD) of the soil, and the field descriptions of angularity of the gravel fraction. This method assumes that the fines content of the material is less than 15%.

10.8 Stiffness Moduli

10.8.1 In cohesive materials, the undrained stiffness modulus (Young's Modulus) can be derived using the correlation with SPT N-values, presented in CIRIA Report R143.

$$E_u = 1.2 * N$$

10.8.2 The drained Young's Modulus for cohesive material (with the exception of London Clay) can also be derived from the SPT N-values, as follows:

$$E' = 0.9 * N$$

10.8.3 In granular materials, the drained Young's Modulus can be derived using the following correlation:

$$E' = N$$

10.9 Summary of Derived General Properties

10.9.1 Based on the analysis of the ground investigation data and past experience with similar deposits, the following derived general parameters are given in Table 10.2.

Table 10.2 Derived Geotechnical Parameters

Property	Etruria Formation - Granular	Etruria Formation - Cohesive
Unit Weight (kN/m ³) ¹⁾	18	20
Drained Friction, ϕ' (°) ²⁾	32 – 36 ²⁾	24 – 25 ³⁾
Drained Cohesion, c' (kPa)	-	0
SPT N-Value	7 – 16	19 – >50
Undrained Young's Modulus, E_u (MPa) ⁴⁾	-	22.8 – >60+
Drained Young's Modulus E' (MPa)	7 – 16 ⁵⁾	17.1 – > 45+ ⁶⁾
Undrained Shear Strength, c_u (kPa)	-	85.5 – >225+ ⁷⁾
Modulus of Volume Compressibility, m_v (m ² /MN) ⁸⁾	-	<0.044 – 0.117

¹⁾ Derived from Figures 1 and 2 of BS8004:2015

²⁾ Calculated from Table 1 of BS8004:2015

SECTION 10
DERIVATION OF GEOTECHNICAL
PARAMETERS

Property	Etruria Formation - Granular	Etruria Formation - Cohesive
³⁾ Estimated using engineering knowledge/experience ⁴⁾ Calculated from: $E_u = 1.2 \times N$ MPa, based on the guidance given in CIRIA Report 143 ⁵⁾ Calculated from: $E' = 1.0 \times N$ MPa, based on the guidance given in CIRIA Report 143 ⁶⁾ Calculated from $E' = 0.9 \times N$ MPa, based on the guidance given in CIRIA Report 143 ⁷⁾ The undrained shear strength (c_u) of the cohesive soils was correlated to the SPT N-values using Stroud (1974), where $c_u = f_1 N$ and f_1 is equal to 4.5) ⁸⁾ Calculated from: $m_v = 1/f_2$ N m ² /MN, f_2 is a coefficient proposed by Stroud and Butler (1975) and varies with Plasticity Index (PI) as presented in Figure 27 of CIRIA Report 27 or $10/c_u$.		

11 GEOTECHNICAL ENGINEERING RECOMMENDATIONS

11.1 General

11.1.1 Subsequent to intrusive investigation of the site and receipt of the laboratory test results, the following geotechnical assessments have been made.

11.2 Proposed Foundations

General

11.2.1 The Made Ground is not considered to provide suitable bearing strata due to its low and variable bearing properties, and the unacceptable risk of total and differential settlement.

11.2.2 All foundations should be deepened beneath these deposits and any soft/loose soils encountered in order to found within underlying competent strata.

Piled Foundations

11.2.3 Given the depth of Made Ground encountered across the site, it is considered that conventional foundations are not likely to be suitable. Piled foundations are therefore recommended.

11.2.4 Preliminary load capacities calculated for varying diameter of CFA piles taken into the Etruria Formation are given in Table 11.1. The design should be used for preliminary purposes only as the actual working load is dependent on the type of pile and method of installation.

Table 11.1: Indicative Pile Capacities (kN)

Pile toe depth (mbgl)	Pile diameter (mm)		
	450	600	800
Indicative Allowable Pile Capacity (kN)			
<i>10.5</i>	<i>152</i>	<i>241</i>	<i>391</i>
<i>11.5</i>	<i>205</i>	<i>319</i>	<i>508</i>

11.2.5 To comply with BS EN 1997 and the guidance given by the Federation of Piling Specialists the ground must be proven to a minimum of 5m below the proposed toe of the piles. Consequently, the values are provided indicatively in grey italics.

11.2.6 Ground conditions have only been proven up to 11.90mbgl due to refusal of cable percussive drilling equipment in natural deposits. Derivation of greater pile carry capacities could be obtained by drilling a rotary borehole as this would allow ground conditions to be proven to a greater depth.

11.2.7 The construction of a piled foundation is a specialist job and the advice of a reputable local contractor familiar with the type of ground and groundwater conditions encountered on this site should be sought prior to finalising the design.

11.2.8 The piling contractor should be made aware of any obstructions that may have been encountered during the investigation.

- 11.2.9 These working loads have been calculated on the basis of the ground and groundwater conditions encountered in the boreholes and assume the following:
- The contribution to the working load on the upper 8.20m has been ignored due to the presence of Made Ground.
 - Partial factors were applied on the sum of the end bearing and skin friction working loads as defined by BS EN 1997 using Design Approach 1 Combination 2.
 - No allowance has been made for additional forces acting on the pile shaft, such as negative skin friction, or loading due to desiccation or heave forces.
 - Groundwater level was adopted as 5.7mbgl.
- 11.2.10 The preliminary working loads given are applicable to single vertically loaded piles. Where groups of piles are to be constructed, the working load of each individual pile should be reduced appropriately and a calculation made to check for the factor of safety against block failure.
- 11.2.11 A temporary working platform is likely to be required. In addition, some form of temporary drainage may also be required to prevent the working platform becoming waterlogged or deteriorating during use. A working platform should be designed in accordance with BRE BR470, or similar design standard.

11.3 Aggressive Ground Conditions

- 11.3.1 Sulphate attack on building foundations occurs where sulphate solutions react with the various products of hydration in Ordinary Portland Cement (OPC) or converted High-Alumina Cement (HAC). The reaction is expansive, and therefore disruptive, not only due to the formation of minute cracks, but also due to loss of cohesion in the matrix.
- 11.3.2 In accordance with BRE Special Digest 1, the characteristic values of sulphate used to determine the concrete classification are determined using the methodology summarised in Table 11.2 below.

Table 11.2: Concrete in the Ground Characteristic Value Determination

No Samples in the dataset	Method for determining the sulphate characteristic value
1 - 4	Highest value
5 - 9	Mean of the top 2No highest results
10 or greater	Mean of the top 20% highest results

- 11.3.3 Table 11.3 summarises the analysis of the aggressive nature of the ground for each of the strata encountered within the ground investigation.

Table 11.3: Concrete in the Ground Class

Stratum	No Samples	pH range	Characteristic WS Sulphate (mg/l)	Characteristic Total Potential Sulphate (%) ¹⁾	Design Sulphate Class	ACEC Class
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Made Ground	10	7.9 – 12.9	495	n/a	DS-1	AC-1
Etruria Formation	3	8.8 – 9.1	76	n/a	DS-1	AC-1

1) Applies to soils containing more than 0.3% of oxidisable sulphides, calculated in accordance with BRE SD-1

11.3.4 Analysis of the results indicates that the underlying soils do not contain appreciable concentrations of oxidisable sulphates and therefore the Design Class is dependent on the soluble sulphate content and pH only.

11.3.5 The concrete structures, including foundations, will need to be designed in accordance with BS EN 1992-1-1:2004+A1:2014. It is recommended that the advice of this publication be taken for the design and specification of all sub-surface concrete.

11.4 Ground Floor Slabs

11.4.1 Given the presence of Made Ground, it is recommended that suspended floor slabs are used with an adequate void designed according to NHBC Standards.

11.4.2 Due to the nature of the development, NHBC regulations will not apply. However, the potential for heave to affect a ground bearing floor slab should be considered, and measures included within the design to minimise the impact on the finished floor slab.

11.5 Excavations

11.5.1 Temporary excavations within the Made Ground and granular soils are unlikely to remain stable and some form of temporary support or battering back to a safe angle is likely to be required.

11.5.2 Temporary excavations within the cohesive soils are likely to remain relatively stable in the short term though some spalling may be anticipated.

11.5.3 Ground works should always be designed in such a manner to avoid entry into excavations by construction or maintenance personnel. However, in the event that such works cannot be avoided or designed out, they should only be undertaken in accordance with a safe system of work, following an appropriate risk assessment and in accordance with any legislative requirements, e.g. Confined Spaces Regulations.

11.6 Groundwater Control

11.6.1 Groundwater seepages were encountered within BH1 and BH2 at depths of 5.7m and 7.5m bgl respectively during the intrusive investigation. In addition, combined groundwater and ground gas monitoring wells were installed within BH2, WS1 and WS4 to depths of 8mbgl, 5mbgl and 3mbgl respectively. These were monitored on three occasions in August and September 2025. Water was recorded at a depth of 3.98-3.99mbgl during the return visits in BH2 and dry to the bases of WS1 and WS4.

11.6.2 Subject to seasonal variations, any groundwater encountered during site works could be readily dealt with by conventional pumping from a sump used to collate waters.

11.6.3 Surface water or rainfall ingress could be similarly dealt with.

12 REFERENCES

- BRE Report BR211: Radon: Guidance on protective measures for new buildings, 2023. BRE, Watford.
- BRE Digest 365 (2016): Soakaway design. BRE, Watford.
- BRE Special Digest 1: Concrete in Aggressive Ground, 2005. BRE, Watford.
- British Standards Institution (2004) Eurocode 7 – Geotechnical design - Part 1: General rules. BS EN 1997-1. Incorporating Corrigendum No.1. BSI, London
- British Standards Institution (2007) Eurocode 7 – Geotechnical design - Part 2: Geotechnical investigation and testing. BS EN 1997-2. BSI, London
- British Standards Institution (2015) BS 3882 *Specification for topsoil and requirements for use*. BSI, London
- British Standards Institution (2011) BS 10175 *Code of practice for the investigation of potentially contaminated sites*. BSI, London
- British Standards Institution (2013) BS 8576 *Guidance on investigations for ground gas – Permanent gases and Volatile Organic Compounds (VOC's)*, BSI, London
- British Standards Institution BS 5930:2015+A1:2020 *Code of practice for ground investigations*. BSI, London
- British Standards Institution (2015) BS 8485:2015 Incorporating corrigendum No.1 *Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings*. BSI, London
- CIEH & CL:AIRE (2008) *Guidance on comparing soil contamination data with a critical concentration*. London: Chartered Institute of Environmental Health (CIEH) and CL:AIRE
- CIRIA C665 (2007) *Assessing risks posed by hazardous ground gases to buildings*. CIRIA, London
- CIRIA Report R143 (1995): The Standard Penetration Test (SPT): Methods and use. CIRIA, London.
- CL:AIRE (2020) Professional Guidance: Comparing Soil Contamination Data with a Critical Concentration. CL:AIRE, Buckinghamshire
- Environment Agency (2020) *Land contamination risk management (LCRM)*
- Environment Agency, NHBC & CIEH (2008) *Guidance for the safe development of housing on land affected by contamination*. R & D Publication 66. London: Environment Agency
- Environment Agency (2006) *Remedial Targets Methodology: Hydrogeological Risk Assessment for Land Contamination* Environment Agency
- LQM/CIEH S4ULs. LQM, 2014
- Ministry of Housing, Communities & Local Government: *National Planning Policy Framework*. February 2019.
- NHBC Standards 2025. NHBC, Milton Keynes
- Tomlinson M.J (2001): *Foundation Design and Construction*: 7th Edition. Pearson Prentice Hall, Harlow.

APPENDICES

APPENDIX 1 – FIGURES

PROJECT NAME	Tipton Waste Transfer Station, DY4 7BY	CLIENT	P J Hegarty & Sons (UK)
TITLE	Site Location Plan	PROJECT NO.	P6424J3166
DATE	July 2025	FIGURE NO.	1



PROJECT NAME	Tipton Waste Transfer Station, DY4 7BY	CLIENT	P J Hegarty & Sons (UK)
TITLE	Photo Plan	FIGURE	2
Photo 1: Overview of the site.		Photo 2: Waste disposal company signage and access to the site.	
			

PROJECT NAME	Tipton Waste Transfer Station, DY4 7BY	CLIENT	P J Hegarty & Sons (UK)
TITLE	Photo Plan	FIGURE	2
Photo 3: Photo showing building present on site, currently used as a reception.		Photo 4: Loading bays and weighbridge on site.	
			

PROJECT NAME	Tipton Waste Transfer Station, DY4 7BY	CLIENT	P J Hegarty & Sons (UK)
TITLE	Photo Plan	FIGURE	2
Photo 5: Main yard area and waste segregation area.		Photo 6: Disused waste conveyor belt.	
			

PROJECT NAME	Tipton Waste Transfer Station, DY4 7BY	CLIENT	P J Hegarty & Sons (UK)
TITLE	Photo Plan	FIGURE	2
Photo 7: Warehouse area.		Photo 8: Disused waste disposal unit.	
			

PROJECT NAME	Tipton Waste Transfer Station, DY4 7BY	CLIENT	P J Hegarty & Sons (UK)
TITLE	Photo Plan	FIGURE	2
Photo 9: Internal area of the warehouse.		Photo 10: External areas of the site.	
			

PROJECT NAME	Tipton Waste Transfer Station, DY4 7BY	CLIENT	P J Hegarty & Sons (UK)
TITLE	Photo Plan	FIGURE	2
Photo 11: Photo showing pedestrian routes and manholes present at the site.		Photo 12: Smaller warehouse present on site.	
			

PROJECT NAME	Tipton Waste Transfer Station, DY4 7BY	CLIENT	P J Hegarty & Sons (UK)
TITLE	Photo Plan	FIGURE	2
Photo 13: ACM's in flooring.		Photo 14: Unoccupied external area.	
			

PROJECT NAME	Tipton Waste Transfer Station, DY4 7BY	CLIENT	P J Hegarty & Sons (UK)
TITLE	Photo Plan	FIGURE	2
Photo 15: Small office style building on site.		Photo 16: Potential electrical substation to the north of site.	
			

PROJECT NAME	Tipton Waste Transfer Station, DY4 7BY	CLIENT	P J Hegarty & Sons (UK)
TITLE	Photo Plan	FIGURE	2
Photo 17: Discolouration observed.		Photo 18: Disused machinery.	
			

PROJECT NAME	Tipton Waste Transfer Station, DY4 7BY	CLIENT	P J Hegarty & Sons - BIFFA
TITLE	Completed exploratory Hole Plan	PROJECT NO.	P6424J3166
DATE	August 2025	FIGURE NO.	3



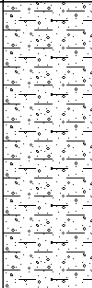
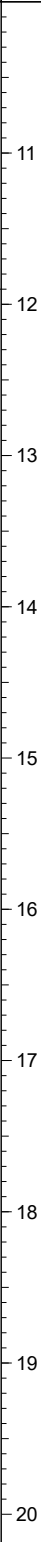
PROJECT NAME	Tipton Waste Transfer Station	CLIENT	P J Hegarty & Sons (UK)
TITLE	Proposed development plan	PROJECT NO.	P6424J3166
DATE	October 2025	FIGURE NO.	4

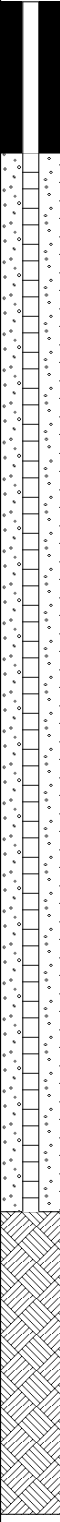
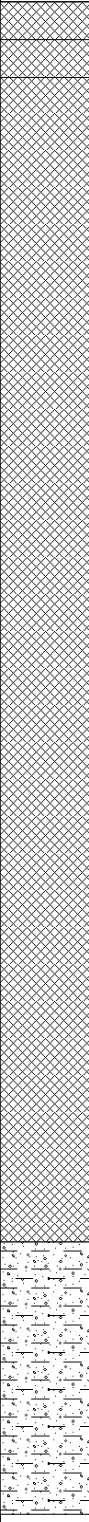
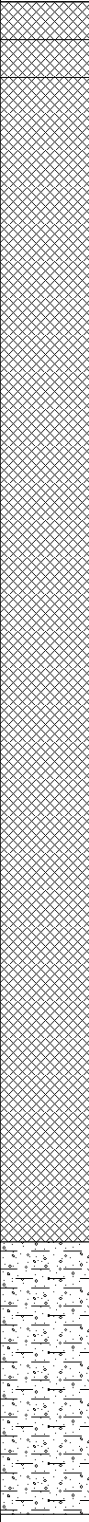
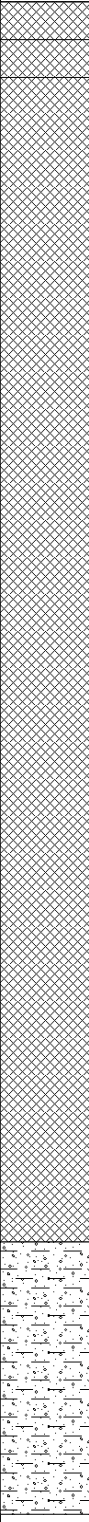
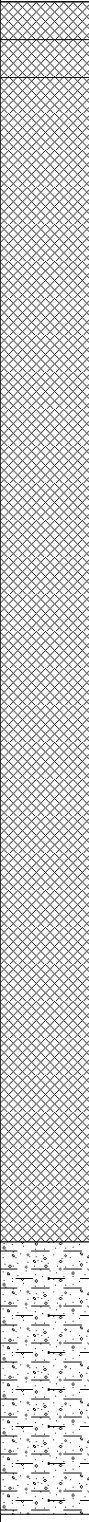
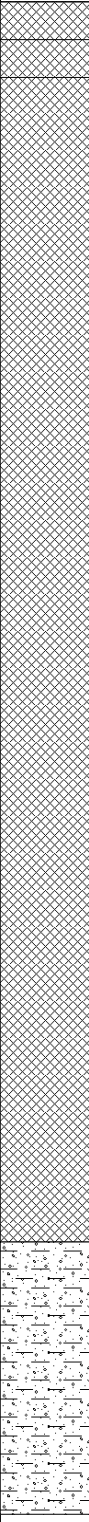
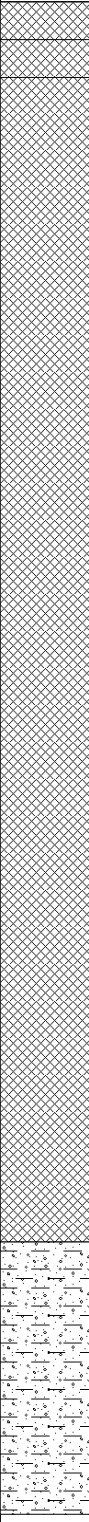
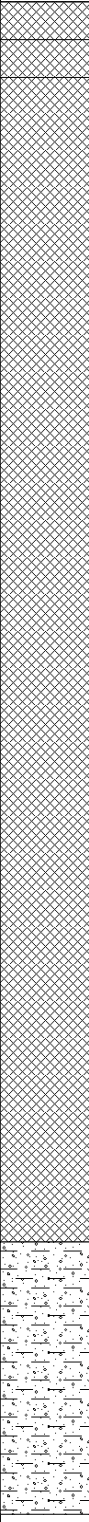
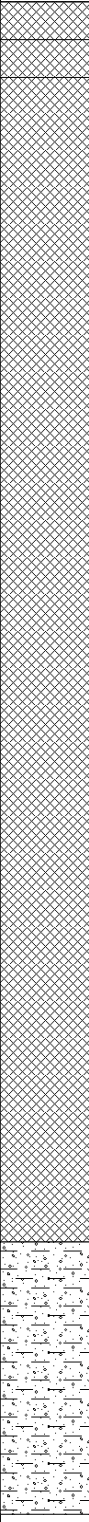
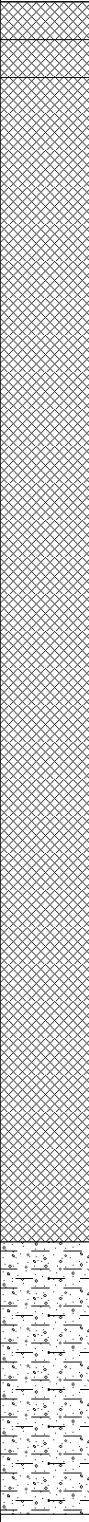
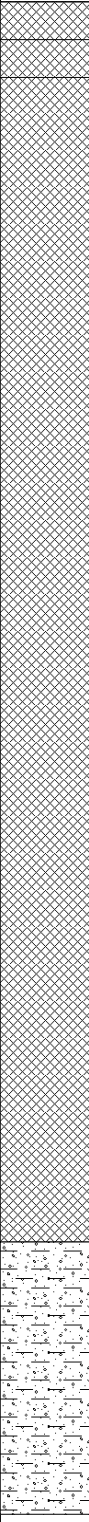
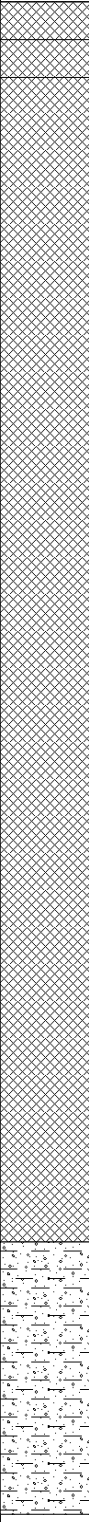
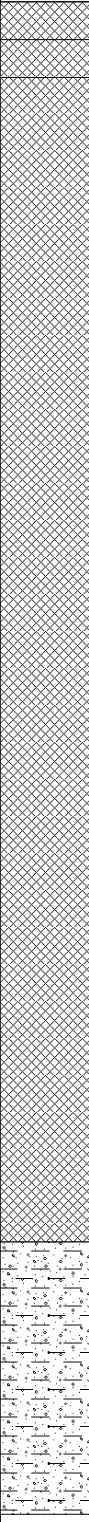
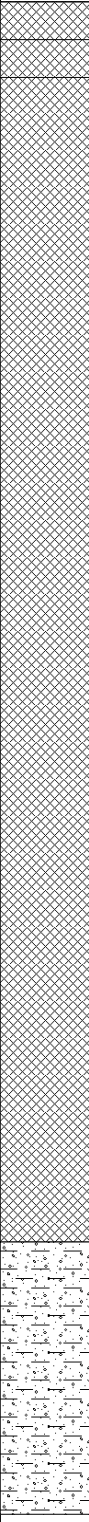
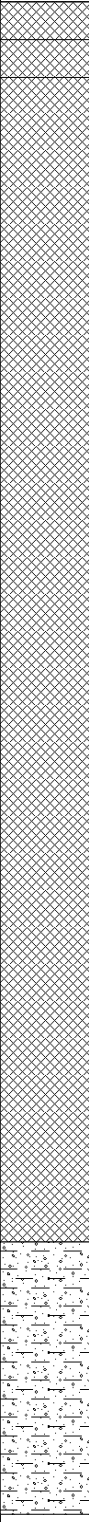
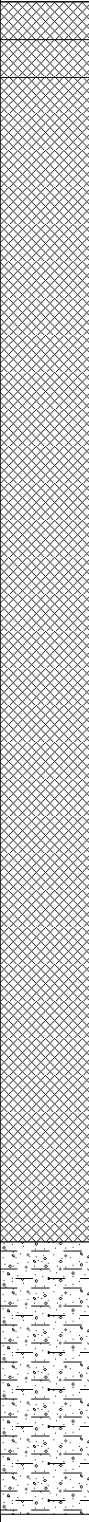
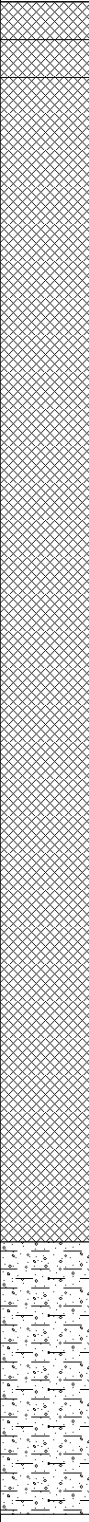
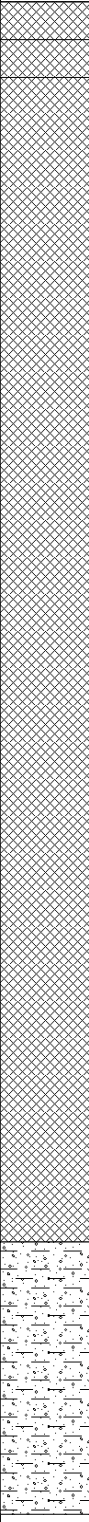
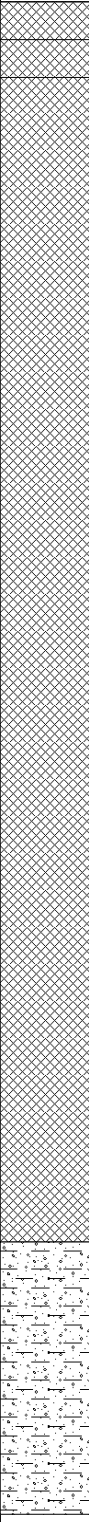
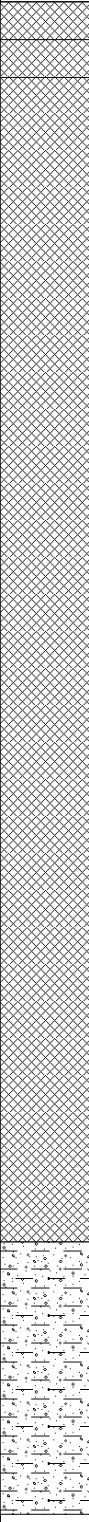
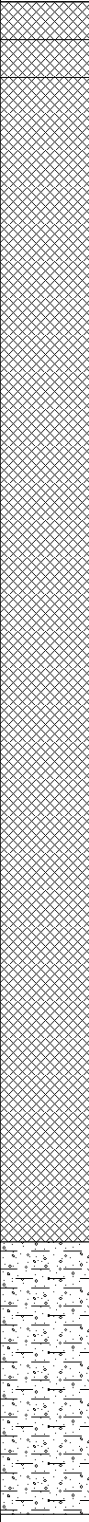
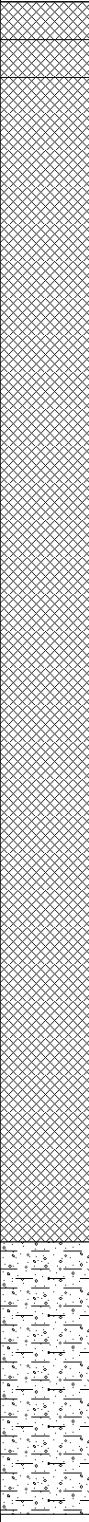
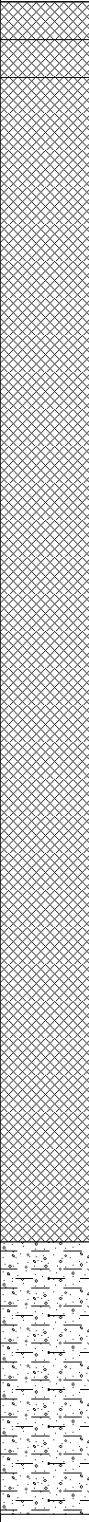
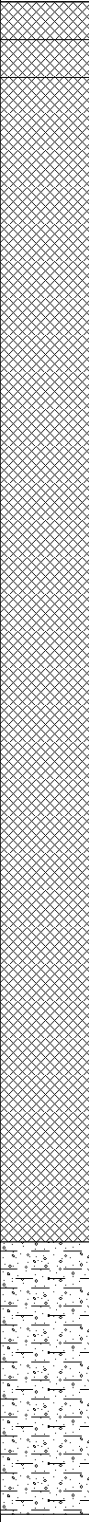
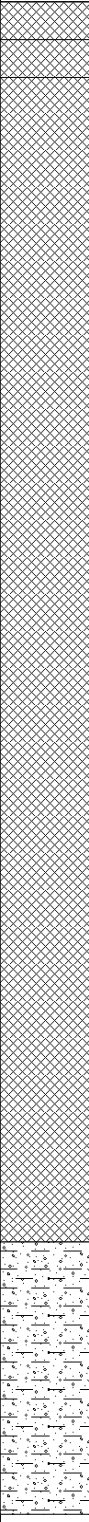
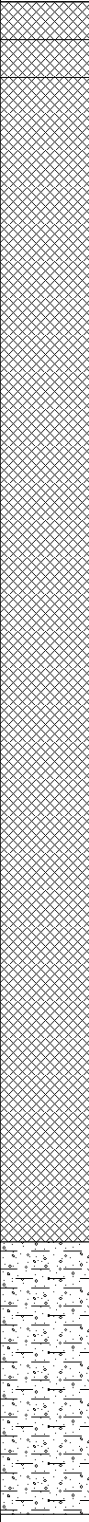
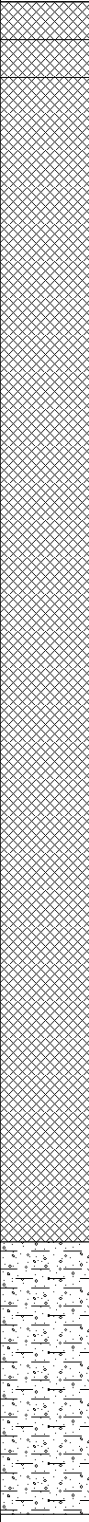
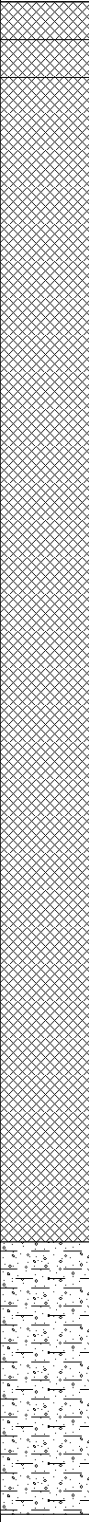
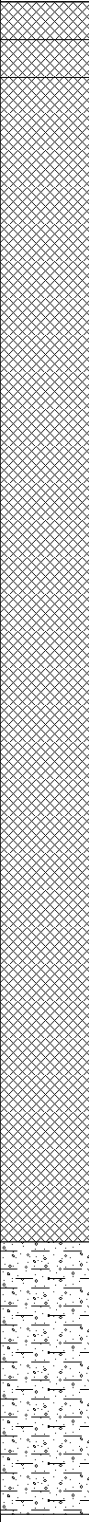
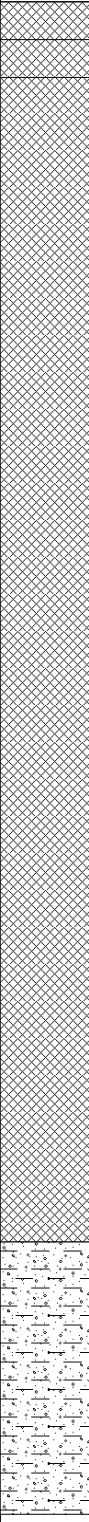
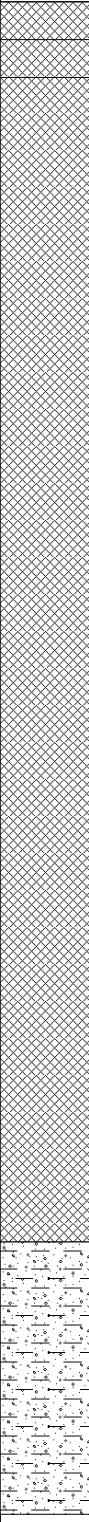
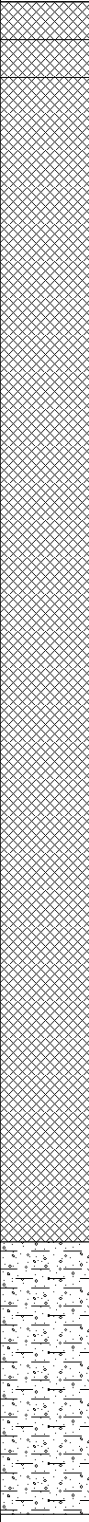
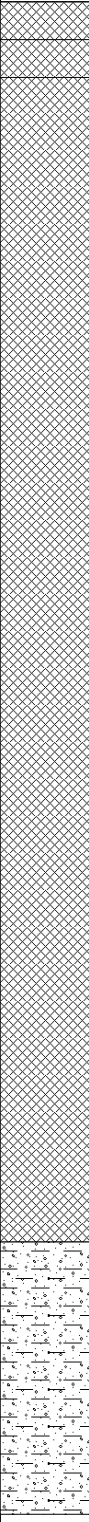
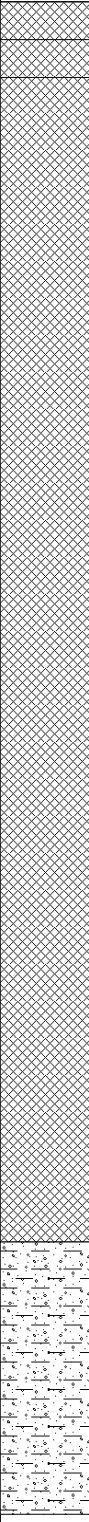
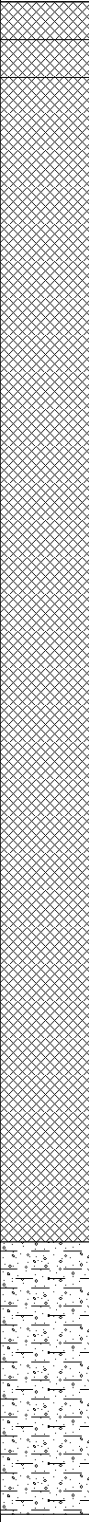
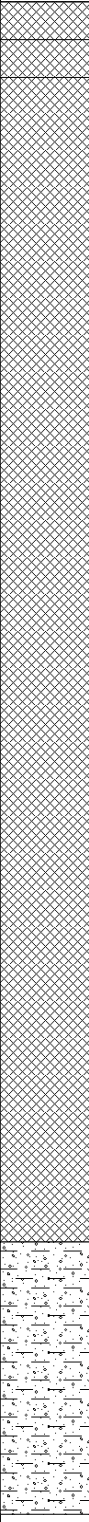
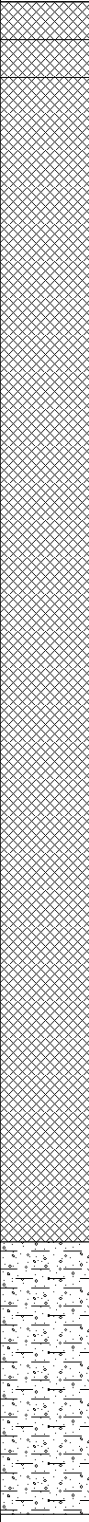
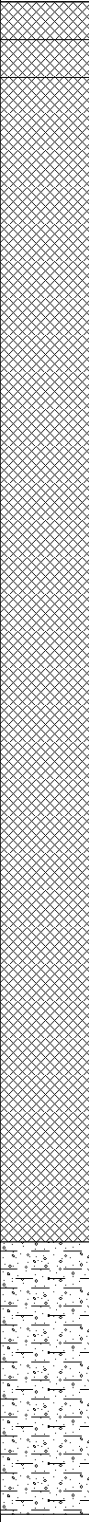
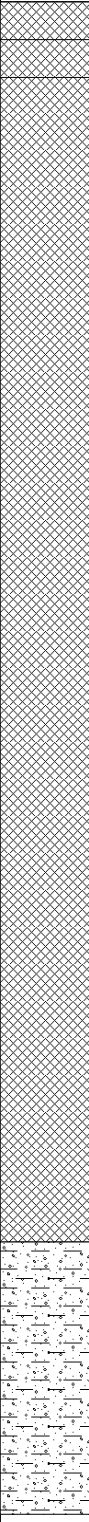
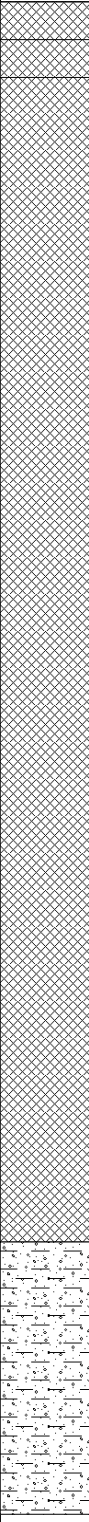
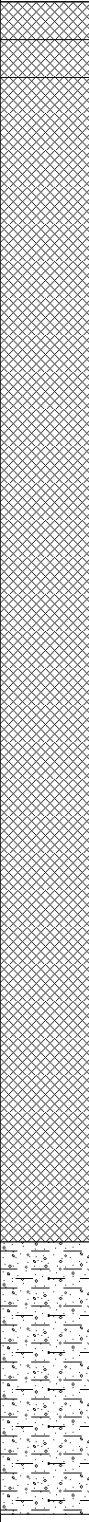
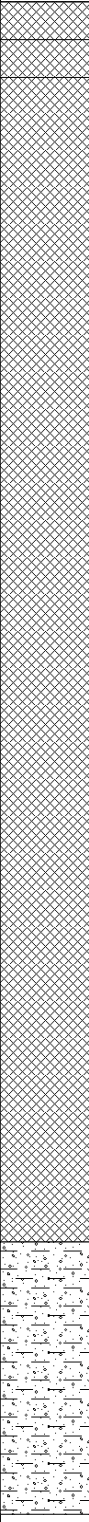
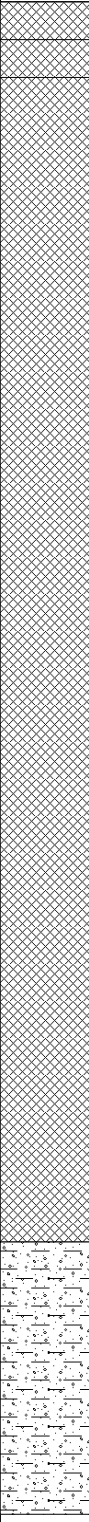
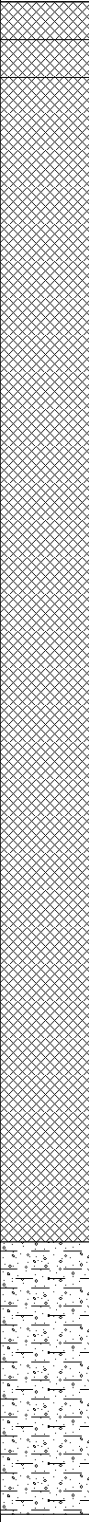
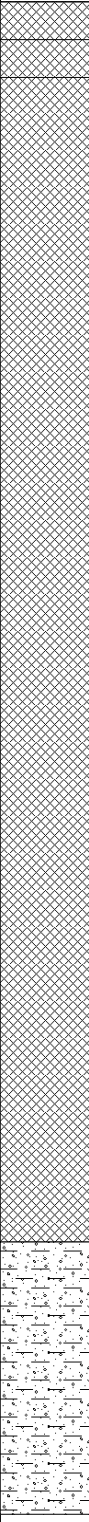
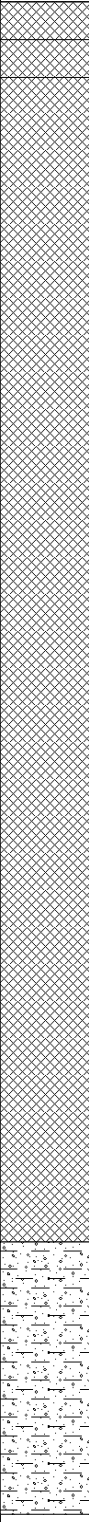
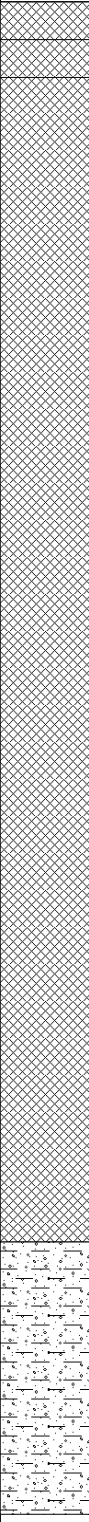
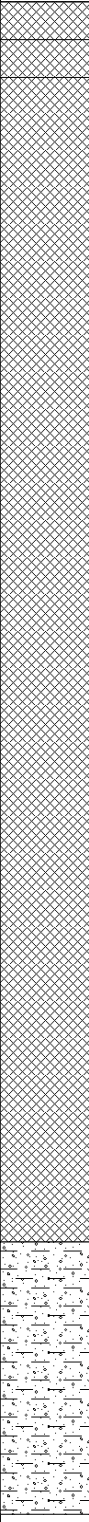
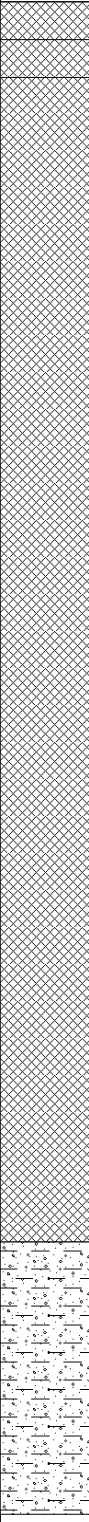
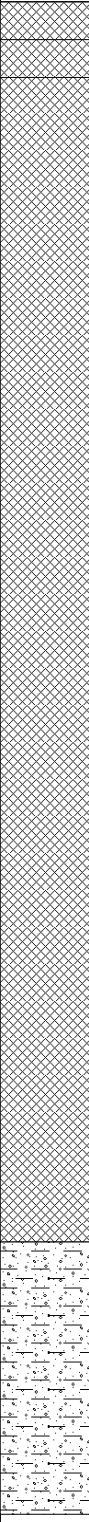
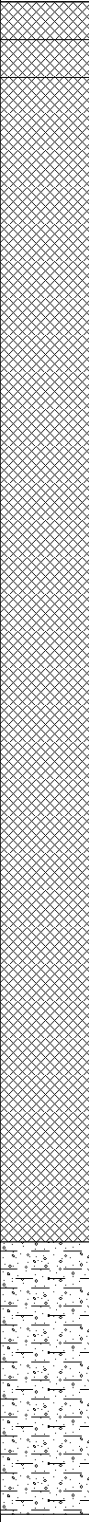
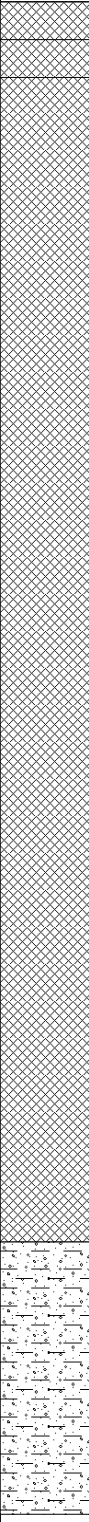
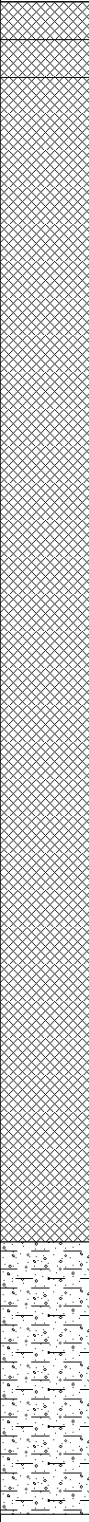
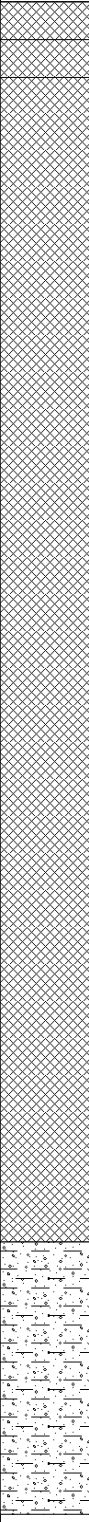
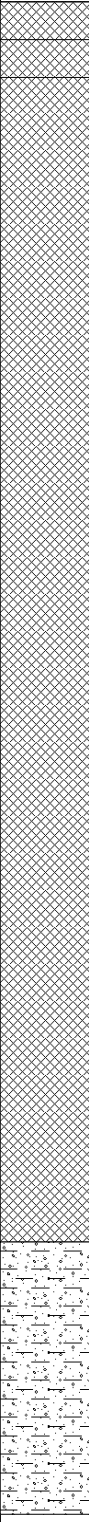
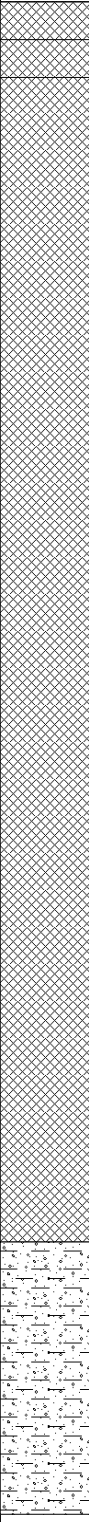
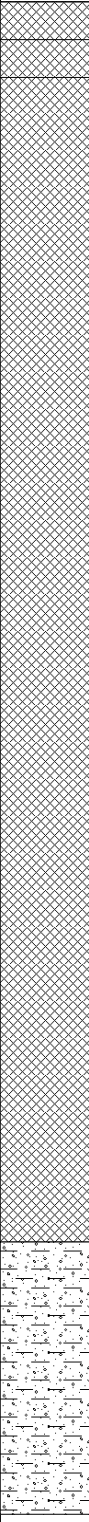
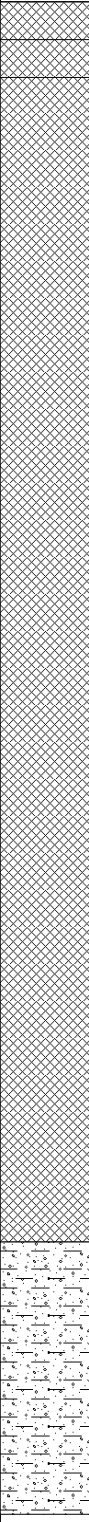
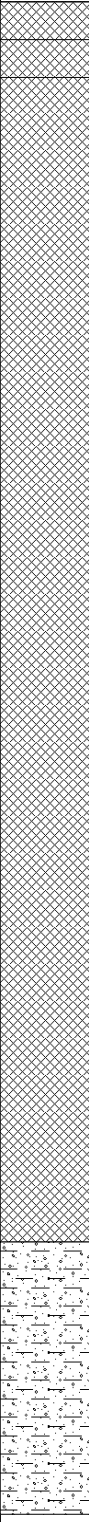
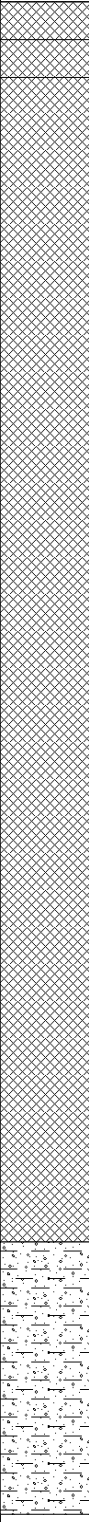
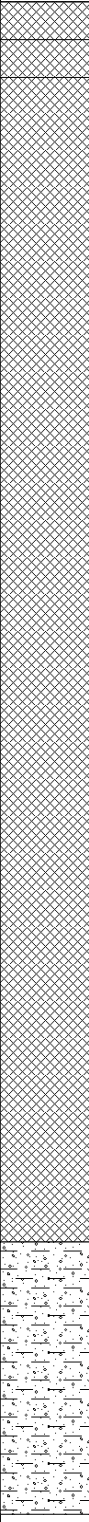
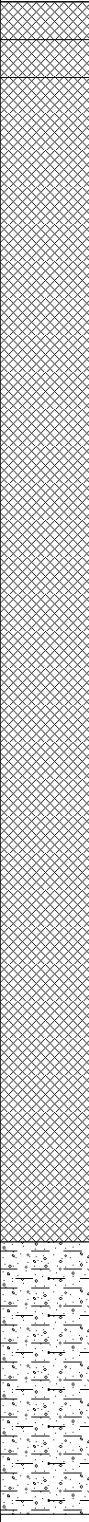
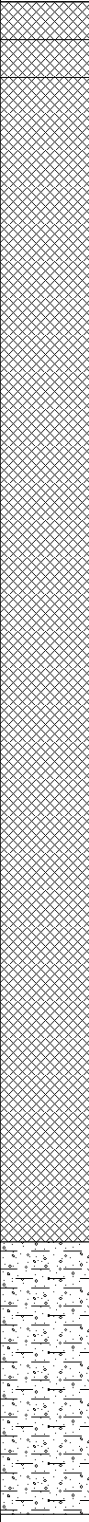
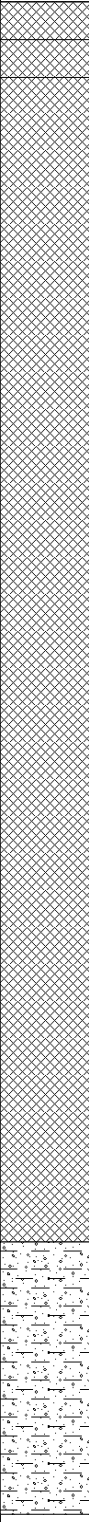
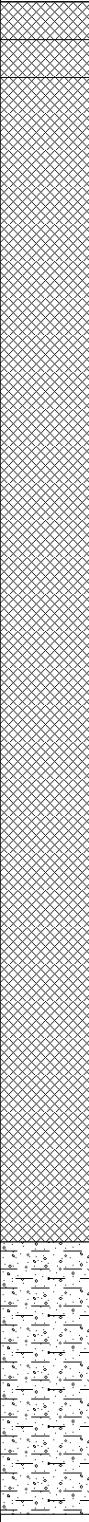
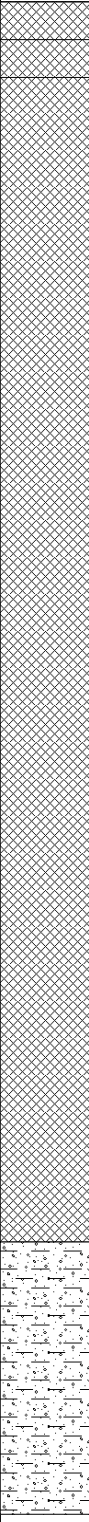
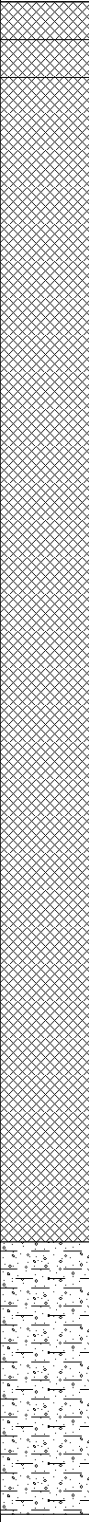
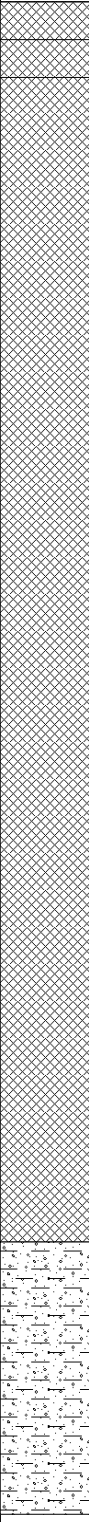
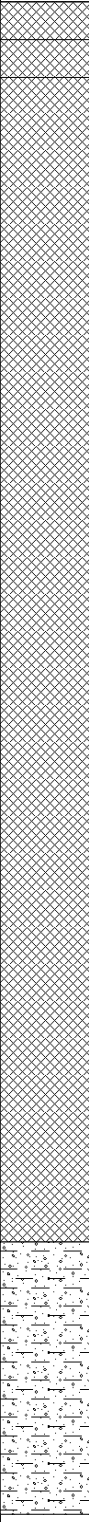
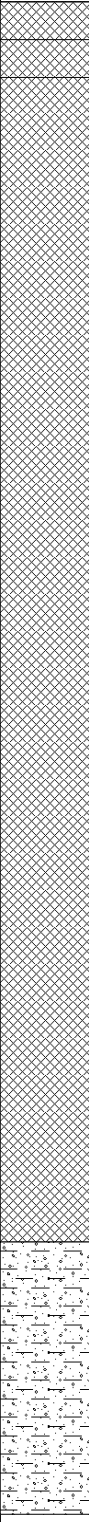
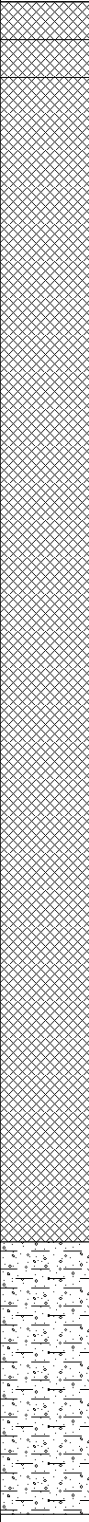
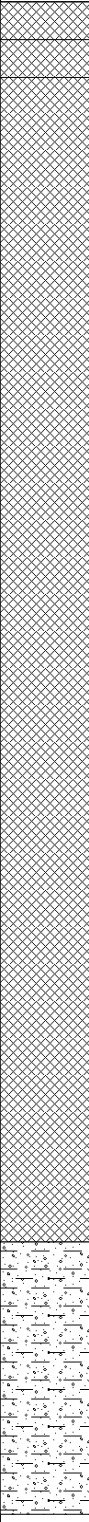
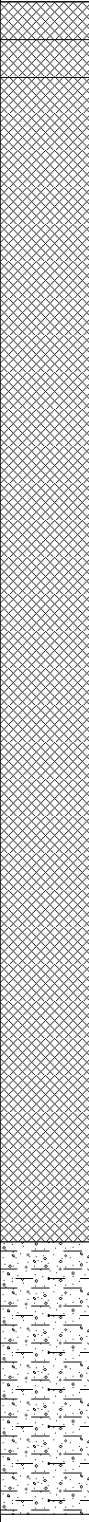
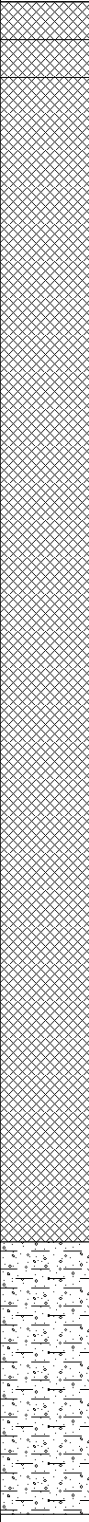
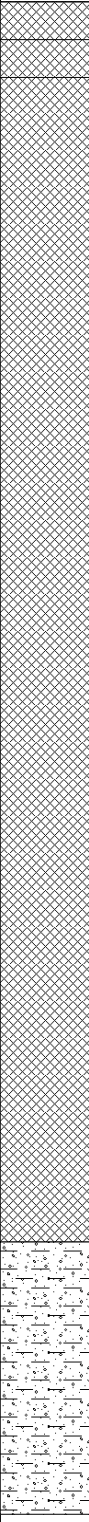
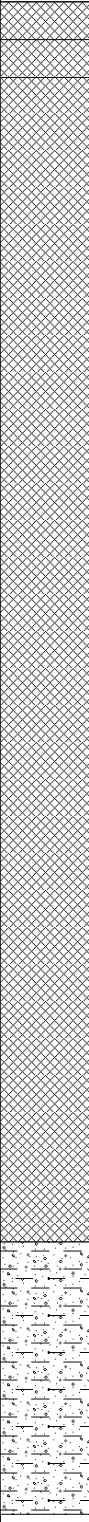
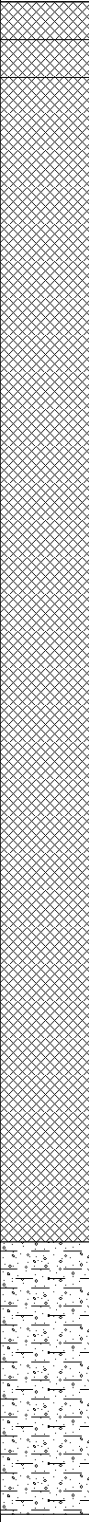
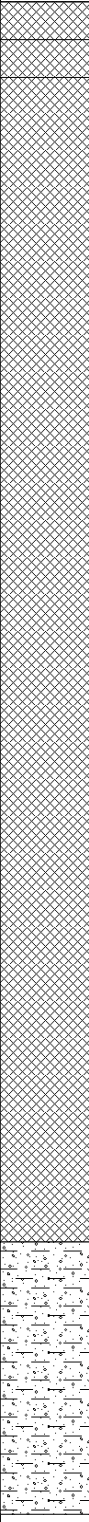
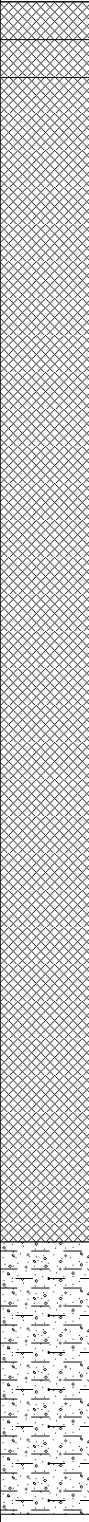
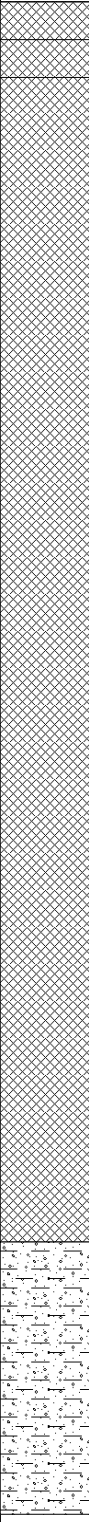
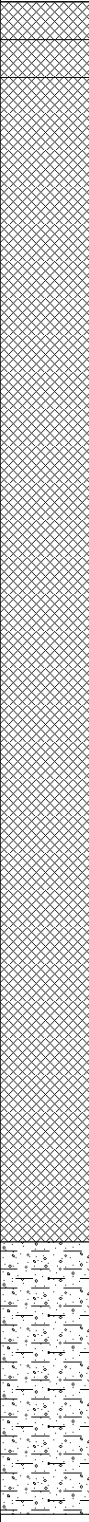
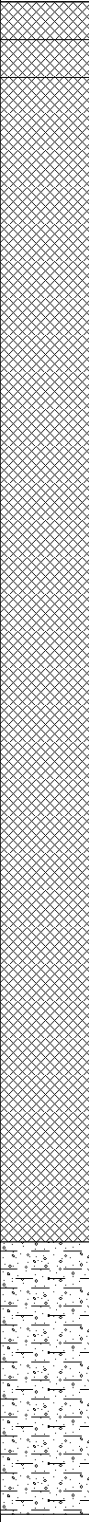
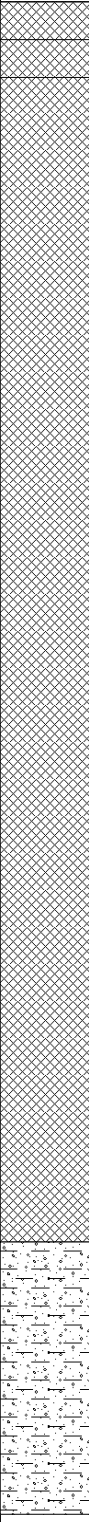
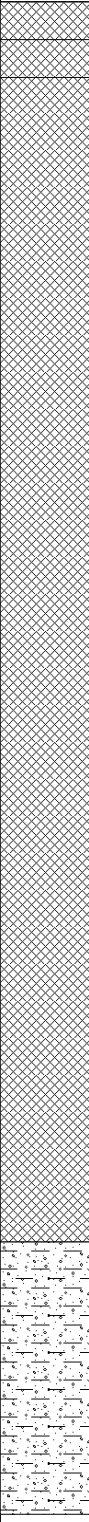
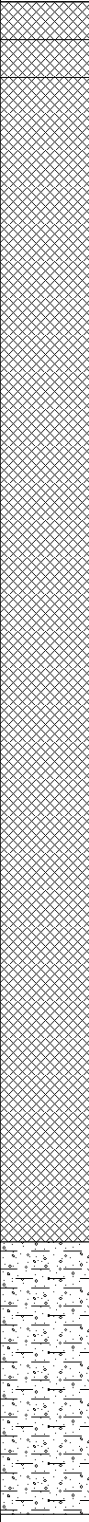
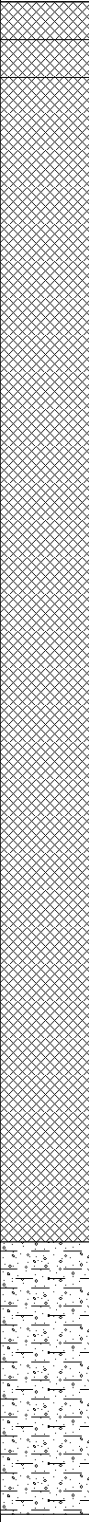
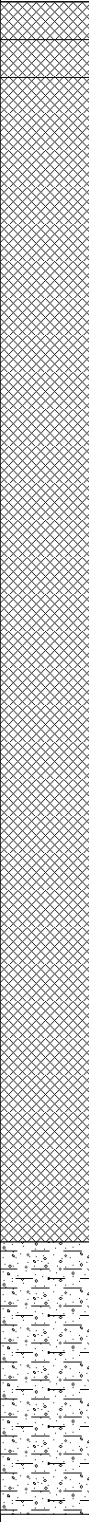
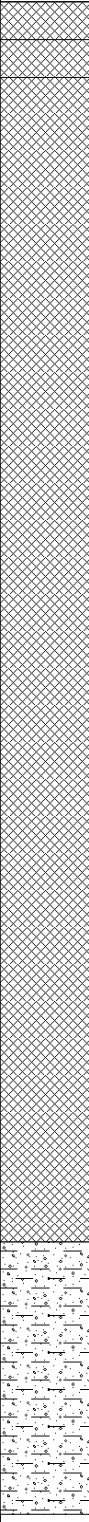
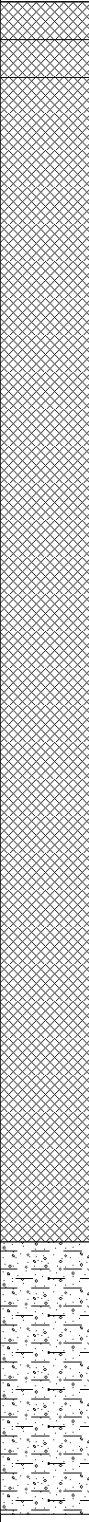
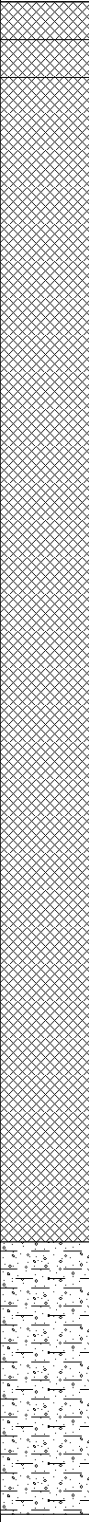
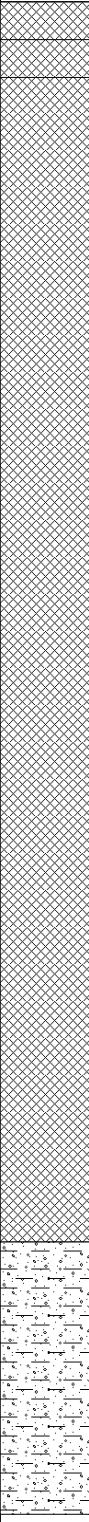
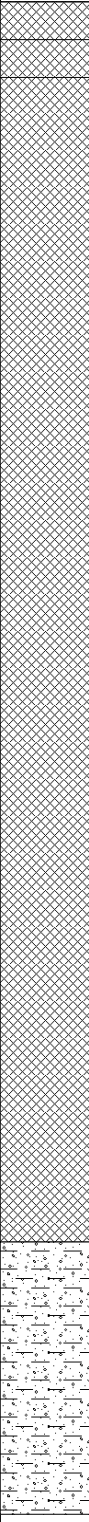
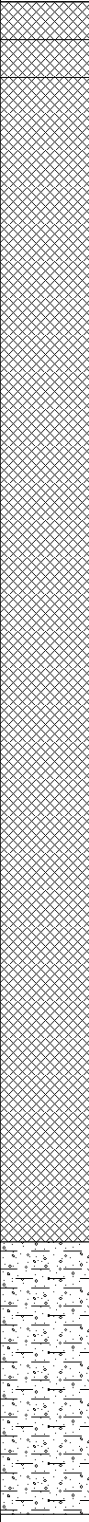
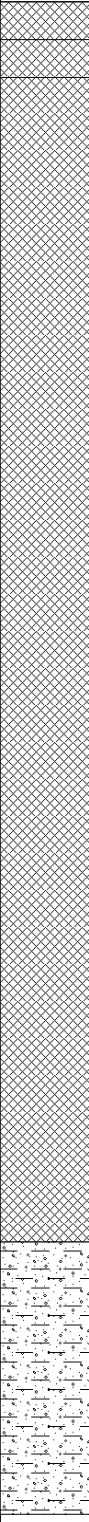
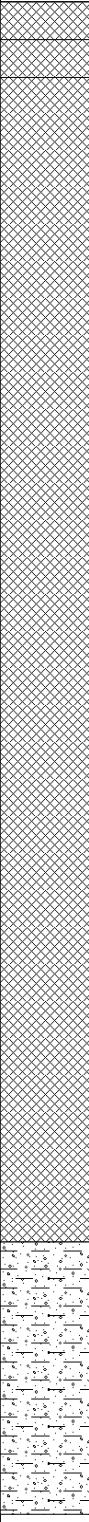
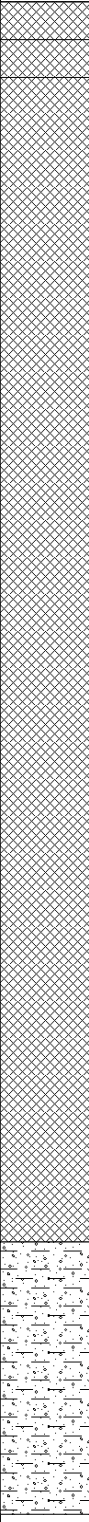
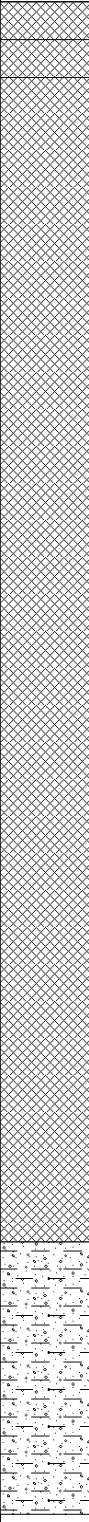
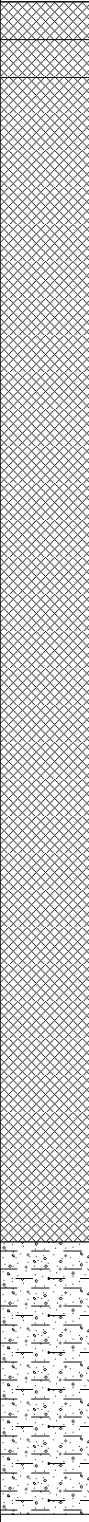
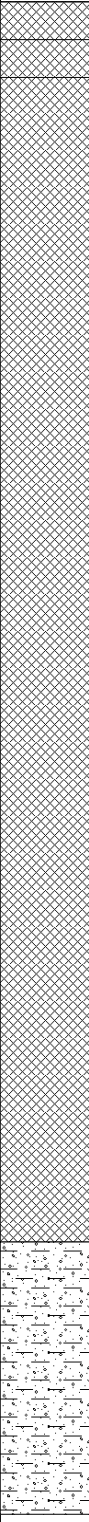
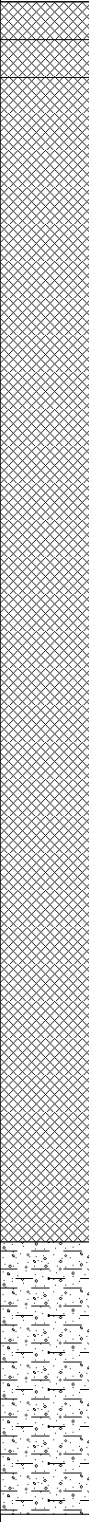
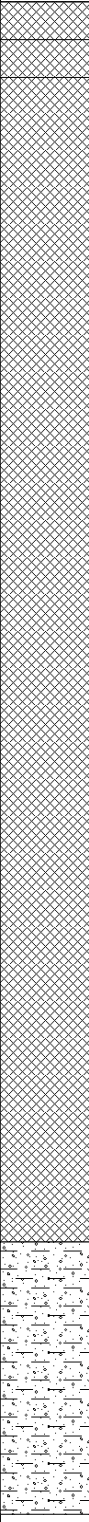
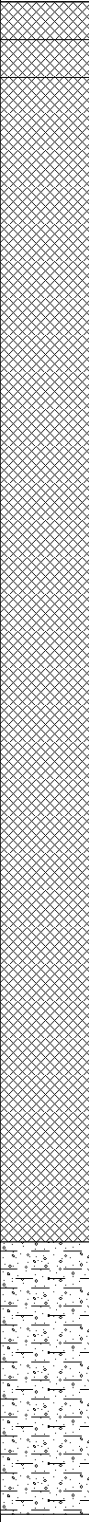
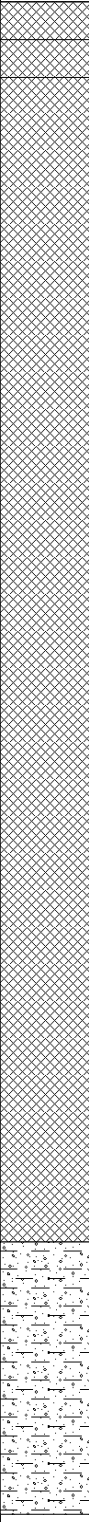
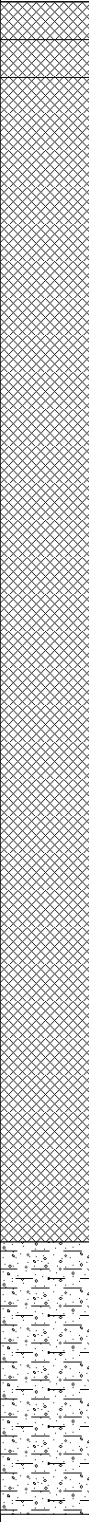
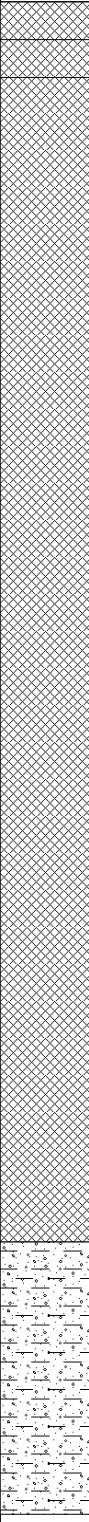
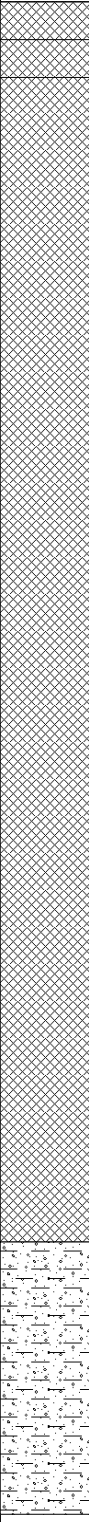
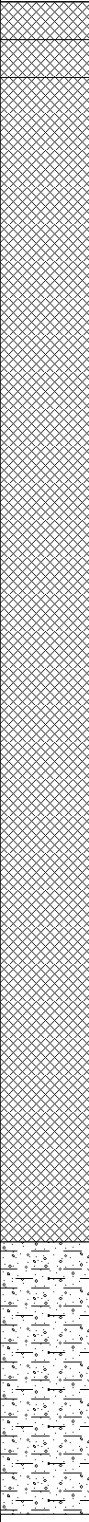
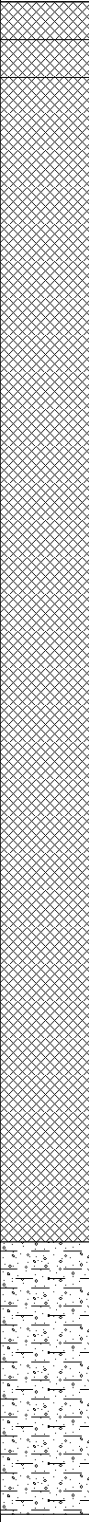
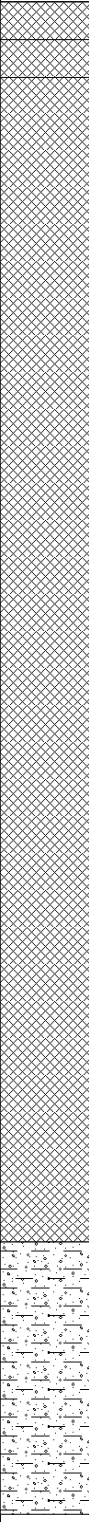
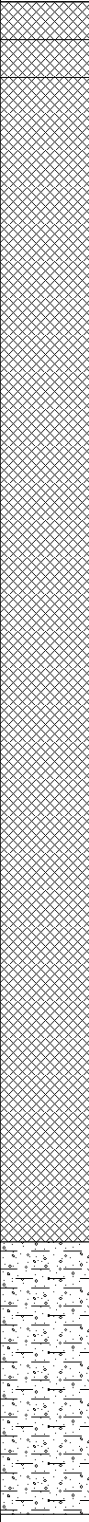


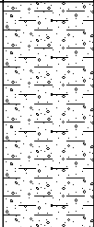
PROPOSED SITE PLAN
SCALE 1:1000
SCALE 1:1000

APPENDIX 2 – EXPLORATORY HOLE RECORDS

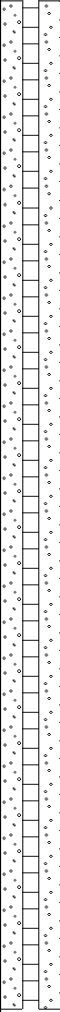
JOMAS ENGINEERING ENVIRONMENTAL LAND REMEDIATION		CABLE PERCUSSION RECORD				Borehole Number BH1					
Project Name: Tipton Waste			Client: P J Hegarty & Sons (UK) - Biffa			Date: 18/08/2025					
Location: Transfer Station, DY4 7BY			Logged by: BKS			Co-ords: E397903.85 N292979.71					
Project No. : P6424J3166			Crew Name: MD			Drilling Equipment: Dando 2000					
Log Status FINAL		Hole Type CP		Level		Approved By CLP		Scale 1:50	Page Number Sheet 1 of 2		
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.15	ES	PID=0.0	0.25	-0.25		Concrete over brown gravelly sand. Sand is fine to coarse. Gravel consists of fine to medium, sub-angular to sub-rounded flint and brick. (MADE GROUND)			
		0.25	PID	PID=0.0							
		0.45	ES	PID=0.0	0.50	-0.50		Greyish black clayey gravelly sand. Sand is fine to medium. Gravel consists of fine to medium, sub-angular to sub-rounded flint and brick. (MADE GROUND)			
		0.50	D	PID=0.0							
		0.50	PID	PID=0.0	0.75			Black clayey gravelly sand. Sand is fine to coarse. Gravel consists of fine to medium, angular to sub-rounded flint brick possible peat and organic content. (MADE GROUND)	1		
		0.75	PID	PID=0.0							
		0.95	ES	PID=0.0	1.00						
		1.00	D	N=21							
		1.00	PID	(3,4/5,7,4,5)	1.20						
		1.20	SPT								
		2.00	D	N=7 (2,1/2,2,1,2)	2.00				2		
		2.00	SPT	PID=0.0							
		2.00	PID		3.00						
		3.00	D	N=8 (2,2/1,2,2,3)							
		3.00	SPT	PID=0.0	3.00				3		
		3.00	PID								
		4.00	D	N=5 (1,1/1,2,1,1)	4.00				4		
		4.00	SPT	PID=0.0							
		4.00	PID		5.00						
		5.00	D	N=13							
5.00	SPT	(1,2/5,4,2,2)	5.00				5				
5.00	PID	PID=0.0									
			5.70	-5.70							
			6.00				6				
			6.50								
			7.00				7				
			7.00								
			8.00	-8.00			8				
			8.00								
			8.00								
			9.00				9				
			9.50								
			10.00				10				
Remarks:						Casing Diameter by Depth			Chiselling		
						Depth Top	Depth Base	Diameter	Depth Top	Depth Base	Duration
Groundwater reported at 5.70m. Borehole terminated at 11.90mbgl due to equipment refusal within very dense deposits. **Consistency estimated using semi-empirical correlations with SPT N-values, Plasticity Indices and published literature											
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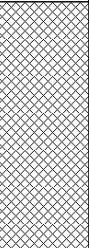
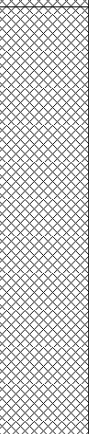
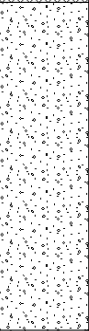
		CABLE PERCUSSION RECORD				Borehole Number BH1						
Project Name: Tipton Waste			Client: P J Hegarty & Sons (UK) - Biffa			Date: 18/08/2025						
Location: Transfer Station, DY4 7BY			Logged by: BKS			Co-ords: E397903.85 N292979.71						
Project No. : P6424J3166			Crew Name: MD			Drilling Equipment: Dando 2000						
Log Status FINAL		Hole Type CP		Level		Approved By CLP		Scale 1:50	Page Number Sheet 2 of 2			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description				
		Depth (m)	Type	Results								
		10.00	PID					Stiff to very stiff** greyish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel consists of fine angular mudstone. (ETRURIA FORMATION).				
	11.00	D	50 (25 for									
	11.00	SPT	75mm/50 for									
			0mm)									
		11.50	D	PID=0.0								
		11.50	ES									
		11.50	PID									
		11.90	SPT	50 (25 for	11.90	-11.90						
				0mm/50 for				End of Borehole at 11.90m				
				0mm)								
Remarks: Groundwater reported at 5.70m. Borehole terminated at 11.90mbgl due to equipment refusal within very dense deposits. **Consistency estimated using semi-empirical correlations with SPT N-values, Plasticity Indices and published literature							Casing Diameter by Depth			Chiselling		
							Depth Top	Depth Base	Diameter	Depth Top	Depth Base	Duration
JOMAS ASSOCIATES LTD Unit 24 Sarum Complex, Salisbury Road, Uxbridge UB8 2RZ www.jomasassociates.com 0333-305-9054 info@jomasassociates.com Jomas Associates Ltd Registered in England and Wales No. 7095350												

JOMAS ENGINEERING ENVIRONMENTAL LAND REMEDIATION		CABLE PERCUSSION RECORD				Borehole Number BH2																																																								
Project Name: Tipton Waste			Client: P J Hegarty & Sons (UK) - Biffa			Date: 18/08/2025																																																								
Location: Transfer Station, DY4 7BY			Logged by: BKS			Co-ords: E397964.77 N292894.94																																																								
Project No. : P6424J3166			Crew Name: RT			Drilling Equipment: Dando 2000																																																								
Log Status FINAL		Hole Type CP		Level		Approved By CLP		Scale 1:50	Page Number Sheet 1 of 2																																																					
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description																																																						
		Depth (m)	Type	Results																																																										
		0.20	ES	PID=0.0	0.25	-0.25		Concrete over brown sandy gravel. Sand is fine to coarse. Gravel consists of fine to medium, angular to rounded flints with bricks. (MADE GROUND)	1																																																					
		0.25	B	PID=0.0	0.55	-0.55																																																								
		0.25	PID	PID=0.0								Brownish grey gravelly sand. Sand is fine to coarse. Gravel consists of fine to coarse, sub-angular to sub-rounded flints with bricks. (MADE GROUND)	1																																																	
		0.50	B																																																											
		0.50	ES												Greyish black slightly gravelly sand. Sand is fine to medium. Gravel consists of fine to medium, sub-angular to sub-rounded flints with bricks, hay and organic contents. (MADE GROUND)	1																																														
		0.50	PID	PID=0.1																																																										
		0.85	ES																2																																											
		1.00	B																																																											
		1.00	D																			3																																								
		1.00	PID	N=8 (1,1/2,1,2,3)																																																										
		1.50	SPT																						4																																					
		2.00	D	PID=0.0																																																										
		2.00	PID																									5																																		
		2.50	SPT	N=10 (1,2/2,2,3,3)																																																										
		3.00	D	PID=0.0																											6																															
		3.00	PID																																																											
		3.50	SPT	N=12 (2,1/2,3,4,3)																														7																												
		4.00	D	PID=0.0																																																										
		4.00	PID																																		8																									
		4.50	SPT	N=13 (2,2/3,3,3,4)																																																										
5.00	D	PID=0.0						9																																																						
5.00	PID																																																													
5.50	SPT	N=15 (2,3/4,4,3,4)									10																																																			
6.00	D	PID=0.0																																																												
6.00	PID													11																																																
6.50	SPT	N=12 (3,2/2,3,3,4)																																																												
7.00	D	PID=0.0															12																																													
7.00	PID																																																													
7.50	SPT	N=13 (2,5/2,3,4,4)																		13																																										
8.00	D	PID=0.0																																																												
8.00	PID		8.20	-8.20																			14																																							
8.50	SPT	N=19 (2,3/4,4,4,7)																																																												
9.00	D	PID=0.0																								15																																				
9.00	ES																																																													
9.00	PID																												16																																	
9.50	SPT	N=50 (7,10/50 for 270mm)																																																												
10.00	D	PID=0.0																														17																														
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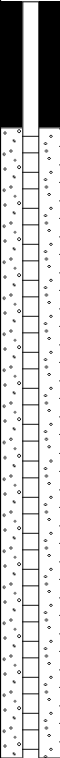
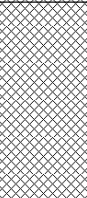
		CABLE PERCUSSION RECORD				Borehole Number BH2						
Project Name: Tipton Waste			Client: P J Hegarty & Sons (UK) - Biffa			Date: 18/08/2025						
Location: Transfer Station, DY4 7BY			Logged by: BKS			Co-ords: E397964.77 N292894.94						
Project No. : P6424J3166			Crew Name: RT			Drilling Equipment: Dando 2000						
Log Status FINAL		Hole Type CP		Level		Approved By CLP		Scale 1:50	Page Number Sheet 2 of 2			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description				
		Depth (m)	Type	Results								
		10.00	PID					Stiff to very stiff** greyish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel consists of fine angular mudstone. (ETRURIA FORMATION)	11			
		11.00	D	PID=0.0								
		11.00	ES									
		11.00	PID									
		11.50	SPT	50 (24 for 85mm/50 for 205mm)	11.50	-11.50		End of Borehole at 11.50m	12			
									13			
									14			
									15			
									16			
									17			
									18			
									19			
									20			
Remarks: Groundwater reported at 7.5m. Borehole terminated at 11.50mbgl due to equipment refusal within very dense deposits. **Consistency estimated using semi-empirical correlations with SPT N-values, Plasticity Indices and published literature							Casing Diameter by Depth			Chiselling		
							Depth Top	Depth Base	Diameter	Depth Top	Depth Base	Duration

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JOMAS ENGINEERING ENVIRONMENTAL LAND REMEDIATION		WINDOWLESS SAMPLER RECORD					Borehole Number WS1				
Project Name: Tipton Waste				Client: P J Hegarty & Sons (UK) - Biffa			Date: 18/08/2025				
Location: Transfer Station, DY4 7BY				Logged by: BKS			Co-ords: E397917.56 N292990.20				
Project No. : P6424J3166				Crew Name: RT			Drilling Equipment: Windowless Sampler				
Log Status FINAL		Hole Type WS		Level		Approved By CLP		Scale 1:30		Page Number Sheet 1 of 1	
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.15	ES	PID=0.0	0.25	-0.25		Concrete over grey sandy gravel. Sand is fine to medium. Gravel consists of fine to medium, sub-angular to sub-rounded flint and brick. (MADE GROUND)			
		0.20	PID	PID=0.0							
		0.45	PID	PID=0.0				Black gravelly sand. Sand is fine to medium. Gravel consists of fine to medium, sub-angular to sub-rounded flint and brick. (MADE GROUND)			
		0.75	ES	PID=0.0							
		0.75	PID	PID=0.0				Black to brown gravelly sand. Sand is fine to medium. Gravel consists of fine to coarse, angular to rounded flint and brick. (MADE GROUND)		1	
		1.00	SPT	N=34							
		1.00	PID	(1,3/8,9,10,7)							
		1.00	PID	PID=0.0							
		1.25	PID	PID=0.0				Greyish black gravelly sand. Sand is fine to medium. Gravel consists of fine to medium, angular to sub-rounded flint and brick. (MADE GROUND)			
		1.30	ES	PID=0.0							
		1.50	PID	PID=0.0	1.40	-1.40		Blackish grey silty slightly gravelly sand. Sand is fine to medium. Gravel consists of brick. (MADE GROUND)			
		1.75	PID	PID=0.0							
		2.00	SPT	N=8 (2,3/3,1,2,2)				Blackish grey to greyish black gravelly sand. Sand is fine to medium. Gravel consists of fine to coarse, angular to sub-rounded flint and brick. (MADE GROUND)			
		2.00	PID	PID=0.0							
		2.20	ES	PID=0.0				Blackish grey silty slightly gravelly sand. Sand is fine to medium. Gravel consists of brick. (MADE GROUND)			
		2.50	ES	PID=0.0							
		2.50	PID	PID=0.0	2.40	-2.40		Blackish grey to greyish black gravelly sand. Sand is fine to medium. Gravel consists of fine to coarse, angular to sub-rounded flint and brick. (MADE GROUND)			
		2.75	PID	PID=0.0							
		3.00	SPT	N=9 (2,3/3,2,2,2)				Blackish grey to greyish black gravelly sand. Sand is fine to medium. Gravel consists of fine to coarse, angular to sub-rounded flint and brick. (MADE GROUND)			
		3.00	PID	PID=0.0							
3.25	PID	PID=0.0				Blackish grey to greyish black gravelly sand. Sand is fine to medium. Gravel consists of fine to coarse, angular to sub-rounded flint and brick. (MADE GROUND)					
3.50	PID	PID=0.0									
3.75	PID	PID=0.0				Blackish grey to greyish black gravelly sand. Sand is fine to medium. Gravel consists of fine to coarse, angular to sub-rounded flint and brick. (MADE GROUND)					
4.00	ES	N=12									
4.00	SPT	(3,2/3,3,3,3)				Blackish grey to greyish black gravelly sand. Sand is fine to medium. Gravel consists of fine to coarse, angular to sub-rounded flint and brick. (MADE GROUND)					
4.00	PID	PID=0.0									
4.25	PID	PID=0.0				Blackish grey to greyish black gravelly sand. Sand is fine to medium. Gravel consists of fine to coarse, angular to sub-rounded flint and brick. (MADE GROUND)					
4.50	PID	PID=0.0									
4.75	PID	PID=0.0				Blackish grey to greyish black gravelly sand. Sand is fine to medium. Gravel consists of fine to coarse, angular to sub-rounded flint and brick. (MADE GROUND)					
5.00	SPT	N=13									
5.00	PID	(3,2/2,3,4,4)	5.00	-5.00		Blackish grey to greyish black gravelly sand. Sand is fine to medium. Gravel consists of fine to coarse, angular to sub-rounded flint and brick. (MADE GROUND)					
		PID=0.0									
							End of Borehole at 5.00m		5		
									6		
Remarks: No groundwater reported.								Key: ES - Environmental Sample D - Small Disturbed Sample B - Bulk Disturbed Sample PID - Photo-ionisation Detector Reading			
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		WINDOWLESS SAMPLER RECORD				Borehole Number WS2			
Project Name: Tipton Waste			Client: P J Hegarty & Sons (UK) - Biffa			Date: 18/08/2025			
Location: Transfer Station, DY4 7BY			Logged by: BKS			Co-ords: E397964.72 N292956.45			
Project No. : P6424J3166			Crew Name: RT			Drilling Equipment: Windowless Sampler			
Log Status FINAL		Hole Type WS		Level		Approved By CLP		Scale 1:30	Page Number Sheet 1 of 1
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.25	PID	PID=0.0	1.00	-1.00		Concrete over grey sandy gravel. Sand is fine to medium. Gravel consists of fine to medium, sub-angular to sub-rounded flints and brick. (MADE GROUND)	1
		0.50	PID	PID=0.0					
		0.75	ES PID	PID=0.0					
		0.75							
		1.00	SPT PID	N=10 (2,3/2,2,3,3) PID=0.0					
		1.00							
		1.25	PID	PID=0.0	2.70	-2.70		Black gravelly sand. Sand is fine. Gravel consists of fine to medium, sub-angular to sub-rounded flint brick and plastic. (MADE GROUND)	2
		1.50	ES PID	PID=0.0					
		1.50							
		1.75	PID	PID=0.0					
		2.00	SPT PID	N=12 (3,3/3,2,3,4) PID=0.0					
		2.00							
		2.25	PID	PID=0.0	4.00	-4.00		Medium dense becoming very dense black gravelly SAND with brown sand patches at 3.80mbgl. Sand is fine to medium. Gravel consists of fine to medium, angular to sub-rounded mudstone. (ETRURIA FORMATION)	3
		2.50	ES PID	PID=0.0					
		2.50							
		2.75	PID	PID=0.0					
		3.00	D SPT	N=16 (3,3/4,3,4,5) PID=0.0					
		3.00							
3.00	PID	PID=0.0	End of Borehole at 4.00m	4					
3.25	PID	PID=0.0							
3.50	ES PID	PID=0.0							
3.50									
3.75	PID D	PID=0.0							
3.80									
4.00	SPT PID	N = 50 (8,10/50 for 170mm penetration) PID=0.0							
4.00									
Remarks: No groundwater reported. Borehole terminated at 4.0mbgl due to equipment refusal within very dense deposits.								Key: ES - Environmental Sample D - Small Disturbed Sample B - Bulk Disturbed Sample PID - Photo-ionisation Detector Reading	
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		WINDOWLESS SAMPLER RECORD					Borehole Number WS3		
Project Name: Tipton Waste				Client: P J Hegarty & Sons (UK) - Biffa			Date: 18/08/2025		
Location: Transfer Station, DY4 7BY				Logged by: BKS			Co-ords: E397956.56 N292922.61		
Project No. : P6424J3166				Crew Name: RT			Drilling Equipment: Windowless Sampler		
Log Status FINAL		Hole Type WS		Level		Approved By CLP		Scale 1:30	Page Number Sheet 1 of 1
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	-0.30		Concrete. (MADE GROUND)	
								End of Borehole at 0.30m	
								1	
								2	
								3	
								4	
								5	
								6	
Remarks: No groundwater reported. Borehole terminated at 0.3mbgl due to equipment refusal.							Key: ES - Environmental Sample D - Small Disturbed Sample B - Bulk Disturbed Sample PID - Photo-ionisation Detector Reading		
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		WINDOWLESS SAMPLER RECORD				Borehole Number WS4				
Project Name: Tipton Waste			Client: P J Hegarty & Sons (UK) - Biffa			Date: 18/08/2025				
Location: Transfer Station, DY4 7BY			Logged by: BKS			Co-ords: E397917.77 N292932.03				
Project No. : P6424J3166			Crew Name: RT			Drilling Equipment: Windowless Sampler				
Log Status FINAL		Hole Type WS		Level		Approved By CLP		Scale 1:30	Page Number Sheet 1 of 1	
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.15	ES		0.20	-0.20		Concrete over light brown sandy gravel. Sand is fine to medium. Gravel consists of fine to medium, angular to sub-rounded flint and brick. (MADE GROUND)		
		0.25	PID	PID=0.0						
		0.40	ES							
		0.50	PID	PID=0.0						
			0.75	PID	PID=0.0	1.00	-1.00		Black gravelly sand. Sand is fine to medium. Gravel consists of fine to medium, sub-angular to rounded flint and brick. (MADE GROUND)	
		0.85	ES							
		1.00	SPT	N=9 (1,2/2,3,2,2)						
		1.00	PID	PID=0.0						
		1.25	PID	PID=0.0	1.00	-1.00		Loose becoming very dense greyish black gravelly SAND. Sand is fine to medium. Gravel consists of fine to medium, sub-angular to sub-rounded mudstone. (ETRURIA FORMATION TRANSITION)	1	
		1.40	D							
		1.50	PID	PID=0.0						
		1.75	ES	PID=0.0	1.00	-1.00		Loose becoming very dense greyish black gravelly SAND. Sand is fine to medium. Gravel consists of fine to medium, sub-angular to sub-rounded mudstone. (ETRURIA FORMATION TRANSITION)		
		1.75	PID							
		1.95	D							
		2.00	SPT	N=7 (2,2/2,2,1,2)						
		2.00	PID	PID=0.0	1.00	-1.00		Loose becoming very dense greyish black gravelly SAND. Sand is fine to medium. Gravel consists of fine to medium, sub-angular to sub-rounded mudstone. (ETRURIA FORMATION TRANSITION)		
		2.25	PID	PID=0.0						
		2.35	D							
		2.50	PID	PID=0.0						
	2.75	PID	PID=0.0	1.00	-1.00		Loose becoming very dense greyish black gravelly SAND. Sand is fine to medium. Gravel consists of fine to medium, sub-angular to sub-rounded mudstone. (ETRURIA FORMATION TRANSITION)			
	2.85	D								
	3.00	SPT	N = 50 (7,12/50 for 198mm penetration)							
	3.00	PID	PID=0.0							
				3.00	-3.00		End of Borehole at 3.00m	3		
									4	
									5	
									6	
Remarks: No groundwater reported. Borehole terminated at 3.0mbgl due to equipment refusal within very dense deposits.								Key: ES - Environmental Sample D - Small Disturbed Sample B - Bulk Disturbed Sample PID - Photo-ionisation Detector Reading		
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		WINDOWLESS SAMPLER RECORD				Borehole Number WS5			
Project Name: Tipton Waste			Client: P J Hegarty & Sons (UK) - Biffa			Date: 18/08/2025			
Location: Transfer Station, DY4 7BY			Logged by: BKS			Co-ords: E397924.04 N292891.18			
Project No. : P6424J3166			Crew Name: RT			Drilling Equipment: Windowless Sampler			
Log Status FINAL		Hole Type WS		Level		Approved By CLP		Scale 1:30	Page Number Sheet 1 of 1
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.15	ES	PID=0.0	0.20	-0.20		Concrete over slightly reddish grey sandy gravel. Sand is fine to coarse. Gravel consists of fine to medium, sub-angular to sub-rounded flint and brick. (MADE GROUND)	1
		0.20	PID	PID=0.0					
		0.40	PID	PID=0.0					
		0.45	ES	PID=0.0					
		0.60	PID	PID=0.0	0.80	-0.80		Dark grey gravelly sand. Sand is fine to coarse. Gravel consists of fine to coarse, angular to sub-rounded flint brick and glass. (MADE GROUND)	
		0.70	ES	PID=0.0					
		0.80	PID	PID=0.0					
		0.90	D	PID=0.0					
		1.00	SPT	N = 51 (15,10/51 for 139mm penetration)	1.00	-1.00		Very dense dark grey very sandy GRAVEL. Sand is fine to medium. Gravel consists of fine to medium, angular to rounded mudstone. (ETRURIA FORMATION)	
		1.00	PID	PID=0.0					
								End of Borehole at 1.00m	2
									3
									4
									5
									6

Remarks:
No groundwater reported.
Borehole terminated at 1.0mbgl due to equipment refusal within very dense deposits.

Key:
ES - Environmental Sample
D - Small Disturbed Sample
B - Bulk Disturbed Sample
PID - Photo-ionisation Detector Reading

JOMAS ASSOCIATES LTD

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 JOMAS ENGINEERING ENVIRONMENTAL LAND REMEDIATION		WINDOWLESS SAMPLER RECORD					Borehole Number WS6		
Project Name: Tipton Waste				Client: P J Hegarty & Sons (UK) - Biffa			Date: 18/08/2025		
Location: Transfer Station, DY4 7BY				Logged by: BKS			Co-ords: E397980.69 N292944.52		
Project No. : P6424J3166				Crew Name: RT			Drilling Equipment: Windowless Sampler		
Log Status FINAL		Hole Type WS		Level		Approved By CLP		Scale 1:30	Page Number Sheet 1 of 1
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10	-0.10		Concrete. (MADE GROUND) End of Borehole at 0.10m	
									1
									2
									3
									4
									5
									6
Remarks: No groundwater reported. Borehole terminated at 0.1mbgl due to equipment refusal within concrete.								Key: ES - Environmental Sample D - Small Disturbed Sample B - Bulk Disturbed Sample PID - Photo-ionisation Detector Reading	
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APPENDIX 3 – CHEMICAL LABORATORY TEST RESULTS



4161

Jomas Associates
Unit 24 Sarum Complex,
Salisbury Road,
UB8 2RZ



7 - 11 Harding Street
Leicester
LE1 4DH

Analytical Test Report: L25/09298/JOM - 25-80876

Your Project Reference:	Tipton Waste Transfer Station, DY4 7BY J3166		
Your Order Number:	P6424J3166.10	Samples Received / Instructed:	08/09/2025 / 08/09/2025
Report Issue Number:	1	Sample Tested:	08/09 to 18/09/2025
Samples Analysed:	1 sample(s)	Report issued:	18/09/2025

Signed

James Gane
Analytical Services Manager
CTS

Notes:

General

Please refer to Methodologies page for details pertaining to the analytical methods undertaken.

Samples will be retained for 14 days after issue of this report unless otherwise requested.

Where specification limits are included these are for guidance only. Where a measured value has been highlighted this is not implying acceptance or failure and certainty of measurement values have not been taken into account.

Uncertainty of measurement values are available on request.

Samples were supplied by customer, results apply to the samples as received.

Deviating Samples

On receipt samples are compared against our sample holding and handling protocols, where any deviations have been noted these are reported on our deviating sample page (if present)

Accreditation Key

This report shall not be reproduce except in full

UKAS = UKAS Accreditation, MCERTS = MCERTS Accreditation, u = Unaccredited, subUKAS - Subcontracted to a laboratory UKAS accredited for this test, subMCERTS - Subcontracted to a laboratory MCERTS accredited for this test

MCERTS Accreditation only covers the SAND, CLAY and LOAM matrices

UKAS accreditation on waters only covers the Ground water and Surface water matrices

Date of Issue: 27.08.25

Issued by: J. Gane

Issue No: 4

Rev No: 27



4161

L25/09298/JOM - 25-80876

Project Reference - Tipton Waste Transfer
Station, DY4 7BY J3166

7 - 11 Harding Street
Leicester
LE1 4DH

Analytical Test Results - Water

Lab Reference	587395
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Client Sample ID	-
Client Sample Location	BH2
Client Sample Type	Water
Client Sample Number	-
Depth (m)	-
Date of Sampling	04/09/2025
Time of Sampling	-
Water Matrix	UNKNOWN

Determinant	Units	Accreditation	
Arsenic (Dissolved)	(ug/l)	UKAS	46.5
Boron (Dissolved)	(ug/l)	UKAS	2160
Cadmium (Dissolved)	(ug/l)	UKAS	< 0.20
Chromium (Dissolved)	(ug/l)	UKAS	0.37
Copper (Dissolved)	(ug/l)	UKAS	1.37
Lead (Dissolved)	(ug/l)	UKAS	2.28
Mercury (Dissolved)	(ug/l)	UKAS	0.099
Nickel (Dissolved)	(ug/l)	UKAS	7.97
Selenium (Dissolved)	(ug/l)	UKAS	9.76
Zinc (Dissolved)	(ug/l)	u	11.1
Ammoniacal Nitrogen	(mgN/l)	u	20
Conductivity	(µs/cm)	UKAS	848
Cyanide (Total)	(µg/l)	u	45
Hardness (Water)	(mg/l)	u	51.8
pH	pH Units	UKAS	11
Sulphate (As SO ₄)	(mg/l)	UKAS	36
Acenaphthene	(µg/l)	u	< 0.20
Acenaphthylene	(µg/l)	u	< 0.20
Anthracene	(µg/l)	u	< 0.20
Benzo (a) anthracene	(µg/l)	u	< 0.20
Benzo (a) pyrene	(µg/l)	u	< 0.20
Benzo (b) fluoranthene	(µg/l)	u	< 0.20
Benzo (g, h, i) perylene	(µg/l)	u	< 0.20
Benzo (k) fluoranthene	(µg/l)	u	< 0.20
Chrysene	(µg/l)	u	< 0.20
Dibenzo (a,h) anthracene	(µg/l)	u	< 0.20
Fluoranthene	(µg/l)	u	< 0.20
Fluorene	(µg/l)	u	< 0.20
Indeno (1, 2, 3-cd) pyrene	(µg/l)	u	< 0.20
Naphthalene	(µg/l)	u	< 0.20
Phenanthrene	(µg/l)	u	< 0.20
Pyrene	(µg/l)	u	< 0.20
Total PAH (Sum of USEPA 16)	(µg/l)	u	< 3.20
Phenol	(µg/l)	u	198
Cresols	(µg/l)	u	243
Xylenols	(µg/l)	u	12.8
Trimethyl Phenols	(µg/l)	u	< 0.50
Phenols (Total)	(µg/l)	u	453

L25/09298/JOM - 25-80876

Project Reference - Tipton Waste Transfer
Station, DY4 7BY J3166

7 - 11 Harding Street
Leicester
LE1 4DH

Analytical Test Results - EPH / VPH Water

Lab Reference	587395
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Client Sample ID	-
Client Sample Location	BH2
Client Sample Type	Water
Client Sample Number	-
Depth (m)	-
Date of Sampling	04/09/2025
Time of Sampling	-
Water Matrix	UNKNOWN

Determinant	Units	Accreditation	
Aliphatic >C ₅ to C ₆	(µg/l)	u	< 6.00
Aliphatic >C ₆ to C ₈	(µg/l)	u	< 6.00
Aliphatic >C ₈ to C ₁₀	(µg/l)	u	< 6.00
Aliphatic >C ₁₀ to C ₁₂	(µg/l)	u	< 10.00
Aliphatic >C ₁₂ to C ₁₆	(µg/l)	u	58.4
Aliphatic >C ₁₆ to C ₂₁	(µg/l)	u	185
Aliphatic >C ₂₁ to C ₃₅	(µg/l)	u	1750
Aromatic >C ₅ to C ₇	(µg/l)	u	3.00
Aromatic >C ₇ to C ₈	(µg/l)	u	3.18
Aromatic >C ₈ to C ₁₀	(µg/l)	u	12.3
Aromatic >C ₁₀ to C ₁₂	(µg/l)	u	< 10.00
Aromatic >C ₁₂ to C ₁₆	(µg/l)	u	< 20.00
Aromatic >C ₁₆ to C ₂₁	(µg/l)	u	39.4
Aromatic >C ₂₁ to C ₃₅	(µg/l)	u	303
Total >C ₅ to C ₃₅	(µg/l)	u	2400
Benzene	(µg/l)	u	< 6.00
Toluene	(µg/l)	u	< 6.00
Ethylbenzene	(µg/l)	u	< 6.00
m&p Xylene	(µg/l)	u	< 12.0
o-Xylene	(µg/l)	u	< 6.00
MTBE	(µg/l)	u	< 6.00

L25/09298/JOM - 25-80876

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - Tipton Waste Transfer Static

Analytical Test Results - VOC

Lab Reference	587395
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Client Sample ID -

Client Sample Location BH2

Client Sample Type Water

Client Sample Number -

Depth (m) -

Date of Sampling 04/09/2025

Time of Sampling -

Water Matrix UNKNOWN

Determinant	Units	Accreditation	
Benzene	(µg/l)	u	< 6.00
Toluene	(µg/l)	u	< 6.00
Ethylbenzene	(µg/l)	u	< 6.00
m&p Xylene	(µg/l)	u	< 12.0
o-Xylene	(µg/l)	u	< 6.00
Dichlorodifluoromethane	(µg/l)	u	< 6.00
Chloromethane	(µg/l)	u	< 6.00
Vinyl Chloride	(µg/l)	u	< 6.00
Bromomethane	(µg/l)	u	< 6.00
Chloroethane	(µg/l)	u	< 6.00
Trichlorofluoromethane	(µg/l)	u	< 6.00
1,1-Dichloroethylene	(µg/l)	u	< 6.00
Dichloromethane	(µg/l)	u	< 6.00
MTBE	(µg/l)	u	< 6.00
trans-1,2,-dichloroethylene	(µg/l)	u	< 6.00
1,1-Dichloroethane	(µg/l)	u	< 6.00
2,2-Dichloropropane	(µg/l)	u	< 6.00
cis-1,2,-dichloroethylene	(µg/l)	u	< 6.00
Bromochloromethane	(µg/l)	u	< 6.00
Chloroform (Trichloromethane)	(µg/l)	u	< 6.00
1,1,1-Trichloroethane	(µg/l)	u	< 6.00
1,1-Dichloropropene	(µg/l)	u	< 6.00
Carbon Tetrachloride	(µg/l)	u	< 6.00
1,2-dichloroethane	(µg/l)	u	< 6.00
Trichloroethylene	(µg/l)	u	< 6.00
1,2-Dichloropropane	(µg/l)	u	< 6.00
Dibromomethane	(µg/l)	u	< 6.00
Bromodichloromethane	(µg/l)	u	< 6.00
cis-1,2-dichloropropylene	(µg/l)	u	< 6.00
trans-1,3-dichloropropylene	(µg/l)	u	< 6.00
1,1,2-Trichloroethane	(µg/l)	u	< 6.00
1,3-Dichloropropane	(µg/l)	u	< 6.00
Tetrachloroethylene	(µg/l)	u	< 6.00
Chlorodibromomethane	(µg/l)	u	< 6.00
1,2-Dibromoethane	(µg/l)	u	< 6.00
Chlorobenzene	(µg/l)	u	< 6.00
1,1,1,2-tetrachloroethane	(µg/l)	u	< 6.00
Styrene	(µg/l)	u	< 6.00
Isopropylbenzene	(µg/l)	u	< 6.00
Bromoform	(µg/l)	u	< 6.00
1,1,2,2-Tetrachloroethane	(µg/l)	u	< 6.00
1,2,3-Trichloropropane	(µg/l)	u	< 6.00
n-Propylbenzene	(µg/l)	u	< 6.00
Bromobenzene	(µg/l)	u	< 6.00
1,3,5-Trimethylbenzene	(µg/l)	u	< 6.00
2-chlorotoluene	(µg/l)	u	< 6.00
4-chlorotoluene	(µg/l)	u	< 6.00
tert-butylbenzene	(µg/l)	u	< 6.00
1,2,4-trimethylbenzene	(µg/l)	u	< 6.00
sec-Butylbenzene	(µg/l)	u	< 6.00
4-Isopropyltoluene (P-Cymene)	(µg/l)	u	< 6.00
1,3-Dichlorobenzene	(µg/l)	u	< 6.00
1,4-Dichlorobenzene	(µg/l)	u	< 6.00
n-Butylbenzene	(µg/l)	u	< 6.00
1,2-Dichlorobenzene	(µg/l)	u	< 6.00
1,2-Dibromo-3-chloropropane	(µg/l)	u	< 6.00
1,2,4-Trichlorobenzene	(µg/l)	u	< 6.00
Hexachlorobutadiene	(µg/l)	u	< 6.00
Naphthalene	(µg/l)	u	< 6.00
1,2,3-Trichlorobenzene	(µg/l)	u	< 6.00

L25/09298/JOM - 25-80876
Project Reference - Tipton Waste Transfer
Station, DY4 7BY J3166
Analytical Test Results - SVOC

 7 - 11 Harding Street
 Leicester
 LE1 4DH

Lab Reference		587395	
Client Sample ID		-	
Client Sample Location		BH2	
Client Sample Type		Water	
Client Sample Number		-	
Depth (m)		-	
Date of Sampling		04/09/2025	
Time of Sampling		-	
Water Matrix		UNKNOWN	
Determinant	Units	Accreditation	
1,2,4-Trichlorobenzene	(µg/l)	u	< 4.00
1,2-Dichlorobenzene	(µg/l)	u	< 4.00
1,3-Dichlorobenzene	(µg/l)	u	< 4.00
1,4-Dichlorobenzene	(µg/l)	u	< 4.00
1-Chloronaphthalene	(µg/l)	u	< 4.00
2,3,4,6-Tetrachlorophenol	(µg/l)	u	< 12.00
2,4,5-Trichlorophenol	(µg/l)	u	< 4.00
2,4,6-Trichlorophenol	(µg/l)	u	< 4.00
2,4-Dichorophenol	(µg/l)	u	< 4.00
2,4-Dimethyphenol	(µg/l)	u	5.49
2,4-Dinitrophenol	(µg/l)	u	< 100.00
2,6-Dichorophenol	(µg/l)	u	< 4.00
2,6-Dinitrotoluene	(µg/l)	u	< 4.00
2-Chlorophenol	(µg/l)	u	< 4.00
2-Methylnaphthalene	(µg/l)	u	< 4.00
2-Methylphenol	(µg/l)	u	7.52
2-Nitroaniline	(µg/l)	u	< 4.00
2-Nitrophenol	(µg/l)	u	< 4.00
3,3-Dichlorobenzidine	(µg/l)	u	< 4.00
3/4-Methylphenol	(µg/l)	u	7.17
3-Nitroaniline	(µg/l)	u	< 4.00
4-Chlorophenyl phenyl ether	(µg/l)	u	< 4.00
4,6-Dinitro-2-methylphenol	(µg/l)	u	< 40.00
4-Bromophenyl phenyl ether	(µg/l)	u	< 10.0
4-Chloro-3-methylphenol	(µg/l)	u	< 4.00
4-Chloroaniline	(µg/l)	u	< 4.00
4-Nitroaniline	(µg/l)	u	< 4.00
4-Nitrophenol	(µg/l)	u	< 10.00
Acenaphthene	(µg/l)	u	< 4.00
Acenaphthylene	(µg/l)	u	< 4.00
Aniline	(µg/l)	u	< 4.00
Anthracene	(µg/l)	u	< 4.00
Azobenzene	(µg/l)	u	< 4.00
Benz[a]anthracene	(µg/l)	u	< 4.00
Benzidine	(µg/l)	u	< 20.00
Benzo[ghi]perylene	(µg/l)	u	< 4.00
Benzo[a]pyrene	(µg/l)	u	4.39
Benzo[b]fluoranthene	(µg/l)	u	< 4.00
Benzo[k]fluoranthene	(µg/l)	u	< 4.00
Benzoic Acid	(µg/l)	u	< 100.00
Benzyl Alcohol	(µg/l)	u	< 4.00
Benzyl butyl phthalate	(µg/l)	u	< 4.00
Bis(2-chloroethoxy)methane	(µg/l)	u	< 4.00
Bis(2-chloroethyl)ether	(µg/l)	u	< 4.00
Bis(2-chloroisopropyl)ether	(µg/l)	u	< 4.00
Bis(2-ethylhexyl) phthalate	(µg/l)	u	18.7
Chrysene	(µg/l)	u	< 4.00
Dibenz(a,h)anthracene	(µg/l)	u	< 4.00
Dibenzofuran	(µg/l)	u	< 4.00
Dibutyl phthalate	(µg/l)	u	< 4.00
Diethyl Phthalate	(µg/l)	u	< 4.00
Dimethyl phthalate	(µg/l)	u	< 4.00
Di-n-octyl phthalate	(µg/l)	u	< 4.00
Diphenylamine	(µg/l)	u	< 4.00
Fluoranthene	(µg/l)	u	8.42
Fluorene	(µg/l)	u	< 4.00
Hexachlorobenzene	(µg/l)	u	< 4.00
Hexachlorobutadiene	(µg/l)	u	< 4.00
Hexachlorocyclopentadiene	(µg/l)	u	< 4.00
Hexachloroethane	(µg/l)	u	< 4.00
Indeno[1,2,3-cd]pyrene	(µg/l)	u	4.65
Isophorone	(µg/l)	u	< 4.00
Methyl Methanesulfonate	(µg/l)	u	< 4.00
Naphthalene	(µg/l)	u	< 4.00
NitroBenzene	(µg/l)	u	< 4.00
N-Nitrosodimethylamine	(µg/l)	u	< 4.00
Pentachlorophenol	(µg/l)	u	< 40.00
Phenanthrene	(µg/l)	u	6.64
Phenol	(µg/l)	u	24.6

L25/09298/JOM - 25-80876
Project Reference - Tipton Waste Transfer
Station, DY4 7BY J3166
Analytical Test Results - SVOC

7 - 11 Harding Street
 Leicester
 LE1 4DH

Lab Reference		587395	
Client Sample ID		-	
Client Sample Location		BH2	
Client Sample Type		Water	
Client Sample Number		-	
Depth (m)		-	
Date of Sampling		04/09/2025	
Time of Sampling		-	
Water Matrix		UNKNOWN	
Determinant	Units	Accreditation	
Pyrene	(µg/l)	u	7.41

L25/09298/JOM - 25-80876

Project Reference - Tipton Waste Transfer Station, DY4 7BY J3166

7 - 11 Harding Street
Leicester
LE1 4DH

Analytical Test Results - SVOC

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Retention Time	Top Match	% Score
587395	-	BH2	Water	-	11.08	Pyrene	95.8
					9.17	Phenanthrene	95.8
					7.46	Ancenaphthene	93.2
					6.50	Naphthalene, 1-methyl-	93.1
					6.41	Naphthalene, 2-methyl-	92.6

L25/09298/JOM - 25-80876

Project Reference - Tipton Waste Transfer Station, DY4 7BY J3166

Analysis Methodologies - Please refer to sample comments page (if present) for any changes to methods

Test Code	Test Name / Reference	Sample condition for analysis	Sample Preparation	Test Details
ANIONSW	MS - CL - Anions by Aquakem (Water)	As received	-	Determination of Anions (inc Sulphate, chloride etc.) in waters by Aquakem
CONDW	MS - CL - Conductivity in Waters	As received	-	Determination of conductivity (at 20C) in waters by probe measurement
SKALARCNW	MS - CL - Cyanide by Skalar	As received	-	Determination of cyanide (total / free / complex) in water using a Skalar segmented flow analyser
ICP-MS DMW	MS - CL - Metals in Waters by ICP-MS	As received	Passing 0.45um membrane filter	Determination of dissolved metals in water via ICP-MS
EPHW	MS - CL - TPH EPH Waters	As received	-	Determination of Extractable Petroleum Hydrocarbons in waters via GC-FID
PHW	MS - CL - pH in Waters	As received	-	Determination of pH in waters using a pH probe
PAHSPMEW	MS - CL - PAH SPME	As received	-	Determination of Polyaromatic hydrocarbons in water via GC-MS
PHOHHPLCW	MS - CL - Phenol Waters by HPLC	As received	-	Determination of speciated phenols in water using HPLC
SVOCW	MS - CL - Semi VOC Waters	As received	-	Determination of Semi volatile organic compounds in water via GC-MS
CWGW	MS - CL - VPH & MS - CL - EPH		-	Determination of TPH CWG (Volatile Petroleum Hydrocarbons and Extractable Petroleum Hydrocarbons) in waters via Headspace-GC-MS and GC-FID respectively
VOCW	MS - CL - VOC and MBTEX	As received	-	Determination of VOCs (inc BTEX) in waters via Headspace-GC-MS
VPHW	MS - CL - VPH	As received	-	Determination of VPH in waters via Headspace-GC-MS



L25/09298/JOM - 25-80876

Project Reference - Tipton Waste Transfer Station, DY4 7BY J3166

Sample Deviations

Deviations are listed below against each sample and associated test method, where deviation(s) are noted it means data may not be representative of the sample at the time of sampling and it is possible that results provided may be compromised.

Observations on receipt

A - No date of sampling provided

W - No time of sampling provided for water sample

C - Received in inappropriate container

H - Contains headspace

T - Temperature on receipt exceeds storage temperature

R - Sample(s) received with less than 96 hours for testing to commence/complete, any result formally classed as deviating will be marked with an X against the applicable test (i.e. RX)

Observations whilst in laboratory

X - Exceeds sampling to extraction or analysis timescales

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Test	Deviations
587395	-	BH2	Water	-	MS - CL - Conductivity in Waters	WR
587395	-	BH2	Water	-	MS - CL - pH in Waters	WRX

L25/09298/JOM - 25-80876

Project Reference - Tipton Waste Transfer Station, DY4 7BY J3166

7 - 11 Harding Street
Leicester
LE1 4DH

HWOL TPH Acronym Index

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics and Aromatics
AL	Aliphatics Only
AR	Aromatics Only
2D	GC-GC - Double Coil Gas Chromatography
#1	EH_Total but with humics mathmatically subtracted
#2	EH_Total but with fatty acids mathmatically subtracted
_	Operator - underscore to separate acronyms (except for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry



4161



Jomas Associates
Unit 24 Sarum Complex,
Salisbury Road,
UB8 2RZ



7 - 11 Harding Street
Leicester
LE1 4DH

Analytical Test Report: L25/08697/JOM - 25-78846 - Amendment A

Your Project Reference:	J3166 Tipton Waste Transfer Station, DY4 7BY		
Your Order Number:	P6424J3166.8	Samples Received / Instructed:	22/08/2025 / 22/08/2025
Report Issue Number:	2	Sample Tested:	22/08 to 04/09/2025
Samples Analysed:	13 sample(s)	Report issued:	26/09/2025

Signed

James Gane
Analytical Services Manager
CTS

Notes:

Amendment A 26/09/2025 - Report amended to include corrected SVOC TIC results

General

Please refer to Methodologies page for details pertaining to the analytical methods undertaken.

Samples will be retained for 14 days after issue of this report with the exception of the asbestos test portion which is held for 6 months unless otherwise requested.

Moisture Content was determined in accordance with CTS method statement MS - CL - Sample Prep, oven dried at <30°C.

Moisture Content is reported as a percentage of the dry mass of soil, this calculation is in accordance with BS1377, Part 2, 1990, Clause 3.2

Stone Content was determined in accordance with CTS method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.

Where specification limits are included these are for guidance only. Where a measured value has been highlighted this is not implying acceptance or failure and certainty of measurement values have not been taken into account.

Uncertainty of measurement values are available on request.

Samples were supplied by customer, results apply to the samples as received.

Asbestos

Please note: Where further analysis is required samples identified as containing asbestos are screened and tested on an as received basis. No correction is made for moisture content and other than the asbestos test(s) these results are not covered by our accreditation

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

Deviating Samples

On receipt samples are compared against our sample holding and handling protocols, where any deviations have been noted these are reported on our deviating sample page (if present)

Accreditation Key

This report shall not be reproduced except in full

UKAS = UKAS Accreditation, MCERTS = MCERTS Accreditation, u = Unaccredited, subUKAS - Subcontracted to a laboratory UKAS accredited for this test, subMCERTS - Subcontracted to a laboratory MCERTS accredited for this test

MCERTS Accreditation only covers the SAND, CLAY and LOAM matrices

UKAS accreditation on waters only covers the Ground water and Surface water matrices

Date of Issue: 27.08.25

Issued by: J. Gane

Issue No: 4

Rev No: 27



L25/08697/JOM - 25-78846 - Amendment A

Project Reference - J3166 Tipton Waste

Transfer Station, DY4 7BY

Analytical Test Results - Solid

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference			575852	575853	575854	575855	575856	575857
Client Sample ID			-	-	-	-	-	-
Client Sample Location			BH1	BH2	BH1	BH2	WS1	WS1
Client Sample Type			ES	ES	ES	ES	ES	ES
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.15	0.45	7.00	0.85	0.75	1.30
Depth - Bottom (m)			0.15	0.45	7.00	0.85	0.75	1.30
Date of Sampling			18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Sand	Clay	Clay	Sand	Sand	Sand
Determinant	Units	Accreditation						
Arsenic	(mg/kg)	MCERTS	< 10	< 10	< 10	11	11	18
Boron (w/s)	(mg/kg)	u	< 2.5	< 2.5	< 2.5	2.9	< 2.5	< 2.5
Cadmium	(mg/kg)	MCERTS	1.3	2.9	1.9	2.0	1.6	3.3
Chromium (Total)	(mg/kg)	UKAS	14	8.4	7.0	33	30	160
Copper	(mg/kg)	MCERTS	25	74	72	150	83	200
Lead	(mg/kg)	MCERTS	57	62	63	100	87	400
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	13	25	27	36	41	56
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	130	100	140	430	320	1000
Total Phenols	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Phenol	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cresols	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Xylenols	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trimethyl Phenols	(mg/kg)	UKAS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Total Phenols (via HPLC)	(mg/kg)	UKAS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Cyanide (Total)	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium (Hexavalent)	(mg/kg)	u	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sulphate (Acid Soluble)	(%)	u	0.91	0.33	0.28	0.62	0.05	0.08
pH	pH Units	MCERTS	12.9	11.1	8.7	12.3	9.3	8.9
Sulphate (Water soluble as SO ₄)	(mg/l)	u	< 10	390	430	240	39	45
Acenaphthene	(mg/kg)	MCERTS	0.05	0.15	< 0.02	< 0.20	0.03	< 0.02
Acenaphthylene	(mg/kg)	UKAS	< 0.02	0.05	0.02	< 0.20	< 0.02	0.02
Anthracene	(mg/kg)	UKAS	0.14	0.27	0.12	0.41	0.05	0.11
Benzo (a) anthracene	(mg/kg)	MCERTS	0.24	0.49	0.18	0.74	0.08	0.25
Benzo (a) pyrene	(mg/kg)	MCERTS	0.27	0.54	0.19	0.77	0.06	0.25
Benzo (b) fluoranthene	(mg/kg)	MCERTS	0.32	0.69	0.34	0.97	0.11	0.37
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	0.18	0.43	0.19	0.60	0.06	0.17
Benzo (k) fluoranthene	(mg/kg)	MCERTS	0.10	0.22	0.09	0.28	0.02	0.11
Chrysene	(mg/kg)	MCERTS	0.27	0.54	0.28	0.85	0.11	0.29
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	< 0.02	0.06	< 0.02	< 0.20	< 0.02	0.02
Fluoranthene	(mg/kg)	MCERTS	0.72	1.2	0.45	1.8	0.15	0.62
Fluorene	(mg/kg)	MCERTS	0.05	0.11	< 0.02	< 0.20	0.02	< 0.02
Indeno (1, 2, 3, -cd) pyrene	(mg/kg)	MCERTS	0.15	0.32	0.12	0.34	0.03	0.13
Naphthalene	(mg/kg)	MCERTS	< 0.02	0.38	0.12	< 0.20	0.19	0.05
Phenanthrene	(mg/kg)	MCERTS	0.47	1.2	0.57	1.4	0.26	0.39
Pyrene	(mg/kg)	MCERTS	0.67	1.1	0.41	1.6	0.13	0.51
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	3.7	7.7	3.2	11	1.4	3.3
SOM (via TOC)	(%)	UKAS	1.0	-	-	7.8	-	-
Asbestos	-	UKAS	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected



L25/08697/JOM - 25-78846 - Amendment A

Project Reference - J3166 Tipton Waste

Transfer Station, DY4 7BY

Analytical Test Results - Solid

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference			575858	575859	575860
Client Sample ID			-	-	-
Client Sample Location			WS2	WS4	WS5
Client Sample Type			ES	ES	ES
Client Sample Number			-	-	-
Depth - Top (m)			0.75	0.40	0.45
Depth - Bottom (m)			0.75	0.40	0.45
Date of Sampling			18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-
Sample Matrix			Sand	Sand	Sand
Determinant	Units	Accreditation			
Arsenic	(mg/kg)	MCERTS	< 10	20	< 10
Boron (w/s)	(mg/kg)	u	< 2.5	5.1	9.6
Cadmium	(mg/kg)	MCERTS	1.1	3.3	1.6
Chromium (Total)	(mg/kg)	UKAS	27	92	22
Copper	(mg/kg)	MCERTS	47	230	120
Lead	(mg/kg)	MCERTS	60	130	99
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	28	77	21
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	160	640	340
Total Phenols	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0
Phenol	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20
Cresols	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20
Xylenols	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20
Trimethyl Phenols	(mg/kg)	UKAS	< 0.20	< 0.20	< 0.20
Total Phenols (via HPLC)	(mg/kg)	UKAS	< 0.80	< 0.80	< 0.80
Cyanide (Total)	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0
Chromium (Hexavalent)	(mg/kg)	u	< 1.0	< 1.0	< 1.0
Sulphate (Acid Soluble)	(%)	u	0.62	0.15	0.56
pH	pH Units	MCERTS	10.6	7.9	11.4
Sulphate (Water soluble as SO ₄)	(mg/l)	u	530	160	460
Acenaphthene	(mg/kg)	MCERTS	< 0.20	< 0.02	< 0.20
Acenaphthylene	(mg/kg)	UKAS	< 0.20	< 0.02	< 0.20
Anthracene	(mg/kg)	UKAS	0.32	0.05	0.55
Benzo (a) anthracene	(mg/kg)	MCERTS	1.2	0.10	0.98
Benzo (a) pyrene	(mg/kg)	MCERTS	2.6	0.08	1.1
Benzo (b) fluoranthene	(mg/kg)	MCERTS	2.7	0.16	1.3
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	2.2	0.08	0.97
Benzo (k) fluoranthene	(mg/kg)	MCERTS	0.78	0.04	0.38
Chrysene	(mg/kg)	MCERTS	1.6	0.15	0.98
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	0.25	< 0.02	< 0.20
Fluoranthene	(mg/kg)	MCERTS	2.0	0.22	2.3
Fluorene	(mg/kg)	MCERTS	< 0.20	< 0.02	< 0.20
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	1.6	0.05	0.62
Naphthalene	(mg/kg)	MCERTS	< 0.20	0.14	< 0.20
Phenanthrene	(mg/kg)	MCERTS	0.79	0.22	1.4
Pyrene	(mg/kg)	MCERTS	2.2	0.20	2.0
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	19	1.6	14
SOM (via TOC)	(%)	UKAS	2.6	-	-
Asbestos	-	UKAS	No asbestos detected	No asbestos detected	No asbestos detected



L25/08697/JOM - 25-78846 - Amendment A

Project Reference - J3166 Tipton Waste
Transfer Station, DY4 7BY

Analytical Test Results - Chemical Analysis

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference			575861	575862	575863	575864
Client Sample ID			-	-	-	-
Client Sample Location			BH1	BH2	BH2	WS2
Client Sample Type			ES	ES	ES	ES
Client Sample Number			-	-	-	-
Depth - Top (m)			11.50	0.50	9.00	3.50
Depth - Bottom (m)			11.50	0.50	9.00	3.50
Date of Sampling			18/08/2025	18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-	-
Sample Matrix			Clay	Clay	Clay	Sand
Determinant	Units	Accreditation				
Water soluble sulphate (as SO ₄)	(mg/l)	u	68	44	52	76
Acid Soluble Sulphate	(%)	u	0.02	0.78	0.01	0.06
Total Sulphur	(%)	UKAS	< 0.01	0.30	< 0.01	0.05
pH Value	pH Units	MCERTS	9.1	12.6	9.1	8.8



L25/08697/JOM - 25-78846 - Amendment A

Project Reference - J3166 Tipton Waste
Transfer Station, DY4 7BY

Analytical Test Results - VPH / EPH

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference			575852	575853	575854	575855	575856	575857
Client Sample ID			-	-	-	-	-	-
Client Sample Location			BH1	BH2	BH1	BH2	WS1	WS1
Client Sample Type			ES	ES	ES	ES	ES	ES
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.15	0.45	7.00	0.85	0.75	1.30
Depth - Bottom (m)			0.15	0.45	7.00	0.85	0.75	1.30
Date of Sampling			18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Sand	Clay	Clay	Sand	Sand	Sand
Determinant	Units	Accreditation						
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	0.01	0.01	0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	0.02	< 0.02	0.09	0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C ₅ to C ₆ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	0.12	0.08	< 0.06	< 0.06	< 0.06
Aliphatic >C ₆ to C ₈ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	0.34	0.33	< 0.06	< 0.06	< 0.06
Aliphatic >C ₈ to C ₁₀ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	0.08	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₁₀ to C ₁₂ [EH_2D_AL]	(mg/kg)	MCERTS	< 1.0	6.3	5.0	3.1	2.6	1.7
Aliphatic >C ₁₂ to C ₁₆ [EH_2D_AL]	(mg/kg)	MCERTS	3.1	14	11	15	7.0	3.4
Aliphatic >C ₁₆ to C ₂₁ [EH_2D_AL]	(mg/kg)	MCERTS	7.8	15	14	37	19	7.5
Aliphatic >C ₂₁ to C ₃₅ [EH_2D_AL]	(mg/kg)	MCERTS	34	26	14	78	83	33
Aliphatic >C ₃₅ to C ₄₄ [EH_2D_AL]	(mg/kg)	u	< 5.0	6.1	< 5.0	23	8.7	6.6
Aromatic >C ₅ to C ₇ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C ₇ to C ₈ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	0.01	0.01	0.01
Aromatic >C ₈ to C ₁₀ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aromatic >C ₁₀ to C ₁₂ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	3.1	2.1	1.3	1.1	< 1.0
Aromatic >C ₁₂ to C ₁₆ [EH_2D_AR]	(mg/kg)	MCERTS	1.9	18	14	10	5.0	2.6
Aromatic >C ₁₆ to C ₂₁ [EH_2D_AR]	(mg/kg)	MCERTS	7.9	38	30	36	12	10
Aromatic >C ₂₁ to C ₃₅ [EH_2D_AR]	(mg/kg)	MCERTS	41	120	55	140	45	26
Aromatic >C ₃₅ to C ₄₄ [EH_2D_AR]	(mg/kg)	u	15	41	7.9	42	< 5.0	< 5.0
Total >C ₅ to C ₃₅ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	95	240	150	320	180	84
Petrol or Diesel Contamination	-	u	Neither Detected	Neither Detected	Neither Detected	Neither Detected	Neither Detected	Neither Detected



L25/08697/JOM - 25-78846 - Amendment A

Project Reference - J3166 Tipton Waste
Transfer Station, DY4 7BY

Analytical Test Results - VPH / EPH

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference			575858	575859	575860
Client Sample ID			-	-	-
Client Sample Location			WS2	WS4	WS5
Client Sample Type			ES	ES	ES
Client Sample Number			-	-	-
Depth - Top (m)			0.75	0.40	0.45
Depth - Bottom (m)			0.75	0.40	0.45
Date of Sampling			18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-
Sample Matrix			Sand	Sand	Sand
Determinant	Units	Accreditation			
Benzene	(mg/kg)	MCERTS	< 0.01	0.03	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	0.04	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Aliphatic >C ₅ to C ₆ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	0.08	< 0.06
Aliphatic >C ₆ to C ₈ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	0.14	< 0.06
Aliphatic >C ₈ to C ₁₀ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06
Aliphatic >C ₁₀ to C ₁₂ [EH_2D_AL]	(mg/kg)	MCERTS	1.7	2.0	2.2
Aliphatic >C ₁₂ to C ₁₆ [EH_2D_AL]	(mg/kg)	MCERTS	7.2	4.8	11
Aliphatic >C ₁₆ to C ₂₁ [EH_2D_AL]	(mg/kg)	MCERTS	21	12	41
Aliphatic >C ₂₁ to C ₃₅ [EH_2D_AL]	(mg/kg)	MCERTS	32	55	140
Aliphatic >C ₃₅ to C ₄₄ [EH_2D_AL]	(mg/kg)	u	8.0	10	31
Aromatic >C ₅ to C ₇ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	0.03	< 0.01
Aromatic >C ₇ to C ₈ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	0.04	< 0.01
Aromatic >C ₈ to C ₁₀ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06
Aromatic >C ₁₀ to C ₁₂ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₂ to C ₁₆ [EH_2D_AR]	(mg/kg)	MCERTS	4.8	3.3	7.7
Aromatic >C ₁₆ to C ₂₁ [EH_2D_AR]	(mg/kg)	MCERTS	64	10	50
Aromatic >C ₂₁ to C ₃₅ [EH_2D_AR]	(mg/kg)	MCERTS	260	43	220
Aromatic >C ₃₅ to C ₄₄ [EH_2D_AR]	(mg/kg)	u	88	10	67
Total >C ₅ to C ₃₅ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	390	130	470
Petrol or Diesel Contamination	-	u	Neither Detected	Neither Detected	Neither Detected



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L25/08697/IOM - 25-78846 - Amendment A

Project Reference - J3166 Tipton Waste Transfer

7 - 11 Harding Street
Leicester
LE1 4DH

Analytical Test Results - VOC

Lab Reference			575852	575853	575854	575855	575856	575857
Client Sample ID			-	-	-	-	-	-
Client Sample Location			BH1	BH2	BH1	BH2	WS1	WS1
Client Sample Type			ES	ES	ES	ES	ES	ES
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.15	0.45	7.00	0.85	0.75	1.30
Depth - Bottom (m)			0.15	0.45	7.00	0.85	0.75	1.30
Date of Sampling			18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Sand	Clay	Clay	Sand	Sand	Sand
Determinant	Units	Accreditation						
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	0.02	< 0.02	0.03	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	0.01	< 0.01	0.01	< 0.01	< 0.01
Dichlorodifluoromethane	(mg/kg)	UKAS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chloromethane	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Vinyl Chloride	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Bromomethane	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trichlorofluoromethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1-Dichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichloromethane	(mg/kg)	u	< 0.10	0.13	0.23	0.27	0.29	0.26
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
trans-1,2-dichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1-Dichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,2-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
cis-1,2-dichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Bromochloromethane	(mg/kg)	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chloroform	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1,1-Trichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1-Dichloropropene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbon Tetrachloride	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2-dichloroethane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Trichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibromomethane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Bromodichloromethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
cis-1,2-dichloropropylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
trans-1,3-dichloropropylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1,2-Trichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,3-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Tetrachloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorodibromomethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dibromoethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,1,1,2-tetrachloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Styrene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isopropylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Bromoform	(mg/kg)	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,1,2,2-Tetrachloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2,3-Trichloropropane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
n-Propylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Bromobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,3,5-Trimethylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-chlorotoluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
4-chlorotoluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
tert-butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2,4-trimethylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
sec-Butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
4-Isopropyltoluene (P-Cymene)	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,3-Dichlorobenzene	(mg/kg)	u	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,4-Dichlorobenzene	(mg/kg)	u	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
n-Butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dichlorobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dibromo-3-chloropropane	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2,3-Trichlorobenzene	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05



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L25/08697/IOM - 25-78846 - Amendment A

Project Reference - J3166 Tipton Waste Transfer

7 - 11 Harding Street
Leicester
LE1 4DH

Analytical Test Results - VOC

Lab Reference			575858	575859	575860
Client Sample ID			-	-	-
Client Sample Location			WS2	WS4	WS5
Client Sample Type			ES	ES	ES
Client Sample Number			-	-	-
Depth - Top (m)			0.75	0.40	0.45
Depth - Bottom (m)			0.75	0.40	0.45
Date of Sampling			18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-
Sample Matrix			Sand	Sand	Sand
Determinant	Units	Accreditation			
Benzene	(mg/kg)	MCERTS	< 0.01	0.02	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	0.01	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Dichlorodifluoromethane	(mg/kg)	UKAS	< 0.05	< 0.05	< 0.05
Chloromethane	(mg/kg)	UKAS	< 0.02	0.02	< 0.02
Vinyl Chloride	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02
Bromomethane	(mg/kg)	u	< 0.05	< 0.05	< 0.05
Chloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Trichlorofluoromethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1-Dichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Dichloromethane	(mg/kg)	u	< 0.10	0.24	< 0.10
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
trans-1,2-dichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1-Dichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
2,2-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
cis-1,2-dichloroethylene	(mg/kg)	MCERTS	< 0.01	0.03	< 0.01
Bromochloromethane	(mg/kg)	MCERTS	< 0.05	< 0.05	< 0.05
Chloroform	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1,1-Trichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1-Dichloropropene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Carbon Tetrachloride	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,2-dichloroethane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02
Trichloroethylene	(mg/kg)	MCERTS	< 0.01	0.09	< 0.01
1,2-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Dibromomethane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02
Bromodichloromethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
cis-1,2-dichloropropylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
trans-1,3-dichloropropylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1,2-Trichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,3-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Tetrachloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Chlorodibromomethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,2-Dibromoethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Chlorobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1,1,2-tetrachloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Styrene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
Isopropylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Bromoform	(mg/kg)	MCERTS	< 0.05	< 0.05	< 0.05
1,1,2,2-Tetrachloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,2,3-Trichloropropane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02
n-Propylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Bromobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,3,5-Trimethylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
2-chlorotoluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
4-chlorotoluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
tert-butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
1,2,4-trimethylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
sec-Butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
4-Isopropyltoluene (P-Cymene)	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
1,3-Dichlorobenzene	(mg/kg)	u	< 0.01	< 0.01	< 0.01
1,4-Dichlorobenzene	(mg/kg)	u	< 0.01	< 0.01	< 0.01
n-Butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
1,2-Dichlorobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,2-Dibromo-3-chloropropane	(mg/kg)	u	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	(mg/kg)	u	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	(mg/kg)	u	< 0.05	< 0.05	< 0.05
Naphthalene	(mg/kg)	u	< 0.05	< 0.05	< 0.05
1,2,3-Trichlorobenzene	(mg/kg)	u	< 0.05	< 0.05	< 0.05

L25/08697/JOM - 25-78846 - Amendment A
Project Reference - J3166 Tipton Waste Transfer
Analytical Test Results - SVOC

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference	575852	575853	575854	575855	575856	575857
Client Sample ID	-	-	-	-	-	-
Client Sample Location	BH1	BH2	BH1	BH2	WS1	WS1
Client Sample Type	ES	ES	ES	ES	ES	ES
Client Sample Number	-	-	-	-	-	-
Depth - Top (m)	0.15	0.45	7.00	0.85	0.75	1.30
Depth - Bottom (m)	0.15	0.45	7.00	0.85	0.75	1.30
Date of Sampling	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025
Time of Sampling	-	-	-	-	-	-
Sample Matrix	Sand	Clay	Clay	Sand	Sand	Sand
Determinant	Units	Accreditation				
1,2,4-Trichlorobenzene	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
1,2-Dichlorobenzene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
1,3-Dichlorobenzene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
1,4-Dichlorobenzene	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
1-Chloronaphthalene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
2,3,4,6-Tetrachlorophenol	(mg/kg)	u	< 0.6	< 6.0	< 6.0	< 0.6
2,4,5-Trichlorophenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
2,4,6-Trichlorophenol	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
2,4-Dichlorophenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
2,4-Dimethoxyphenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
2,4-Dinitrophenol	(mg/kg)	u	< 2.0	< 20.0	< 20.0	< 2.0
2,6-Dichlorophenol	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
2,6-Dinitrotoluene	(mg/kg)	u	< 0.6	< 6.0	< 6.0	< 0.6
2-Chlorophenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
2-Methylnaphthalene	(mg/kg)	u	< 0.2	< 2.0	< 2.0	0.3
2-Methylphenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
2-Nitroaniline	(mg/kg)	u	< 0.4	< 4.0	< 4.0	< 0.4
2-Nitrophenol	(mg/kg)	u	< 0.6	< 6.0	< 6.0	< 0.6
3,3-Dichlorobenzidine	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
3/4-Methylphenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
3-Nitroaniline	(mg/kg)	u	< 0.6	< 6.0	< 6.0	< 0.6
4-Chlorophenyl phenyl ether	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
4,6-Dinitro-2-methylphenol	(mg/kg)	u	< 1.0	< 10.0	< 10.0	< 1.0
4-Bromophenyl phenyl ether	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
4-Chloro-3-methylphenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
4-Chloroaniline	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
4-Nitroaniline	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
4-Nitrophenol	(mg/kg)	u	< 0.6	< 6.0	< 6.0	< 0.6
Acenaphthene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Acenaphthylene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Aniline	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Anthracene	(mg/kg)	u	0.1	< 1.0	< 1.0	0.2
Azobenzene	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Benz[a]anthracene	(mg/kg)	u	0.3	1.2	< 1.0	1.4
Benzo[ghi]perylene	(mg/kg)	u	0.2	< 1.0	< 1.0	< 1.0
Benzo[a]pyrene	(mg/kg)	u	0.4	< 2.0	< 2.0	< 0.2
Benzo[b]fluoranthene	(mg/kg)	u	0.4	1.5	< 1.0	1.7
Benzo[k]fluoranthene	(mg/kg)	u	0.2	< 1.0	< 1.0	0.1
Benzyl Alcohol	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
Benzyl butyl phthalate	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Bis(2-chloroethoxy)methane	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Bis(2-chloroethyl)ether	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Bis(2-chloroisopropyl)ether	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Bis(2-ethylhexyl) phthalate	(mg/kg)	u	0.5	4.8	4.8	5.8
Chrysene	(mg/kg)	u	0.2	< 1.0	< 1.0	1.3
Dibenz[a,h]anthracene	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Dibenzofuran	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Dibutyl phthalate	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Diethyl Phthalate	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Dimethyl phthalate	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Di-n-octyl phthalate	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Diphenylamine	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Fluoranthene	(mg/kg)	u	0.9	2.3	1.3	3.1
Fluorene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Hexachlorobenzene	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
Hexachlorobutadiene	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
Hexachlorocyclopentadiene	(mg/kg)	u	< 1.0	< 10.0	< 10.0	< 1.0
Hexachloroethane	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Indeno[1,2,3-cd]pyrene	(mg/kg)	u	0.3	< 2.0	< 2.0	< 0.2
Isophorone	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Methyl Methanesulfonate	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
Naphthalene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	0.2
NitroBenzene	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
N-Nitrosodimethylamine	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Pentachlorophenol	(mg/kg)	u	< 1.0	< 10.0	< 10.0	< 1.0
Phenanthrene	(mg/kg)	u	0.5	1.9	1.3	2.5
Phenol	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1

L25/08697/IOM - 25-78846 - Amendment A
Project Reference - J3166 Tipton Waste Transfer
Analytical Test Results - SVOC

7 - 11 Harding Street
 Leicester
 LE1 4DH

Lab Reference	575852	575853	575854	575855	575856	575857		
Client Sample ID	-	-	-	-	-	-		
Client Sample Location	BH1	BH2	BH1	BH2	WS1	WS1		
Client Sample Type	ES	ES	ES	ES	ES	ES		
Client Sample Number	-	-	-	-	-	-		
Depth - Top (m)	0.15	0.45	7.00	0.85	0.75	1.30		
Depth - Bottom (m)	0.15	0.45	7.00	0.85	0.75	1.30		
Date of Sampling	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025		
Time of Sampling	-	-	-	-	-	-		
Sample Matrix	Sand	Clay	Clay	Sand	Sand	Sand		
Determinant	Units	Accreditation						
Pyrene	(mg/kg)	u	0.7	2.1	< 1.0	2.6	0.1	0.9

L25/08697/IOM - 25-78846 - Amendment A
Project Reference - J3166 Tipton Waste Transfer
Analytical Test Results - SVOC

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference			575858	575859	575860
Client Sample ID			-	-	-
Client Sample Location			WS2	WS4	WSS
Client Sample Type			ES	ES	ES
Client Sample Number			-	-	-
Depth - Top (m)			0.75	0.40	0.45
Depth - Bottom (m)			0.75	0.40	0.45
Date of Sampling			18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-
Sample Matrix			Sand	Sand	Sand
Determinant	Units	Accreditation			
1,2,4-Trichlorobenzene	(mg/kg)	u	< 2.0	< 0.2	< 2.0
1,2-Dichlorobenzene	(mg/kg)	u	< 1.0	< 0.1	< 1.0
1,3-Dichlorobenzene	(mg/kg)	u	< 1.0	< 0.1	< 1.0
1,4-Dichlorobenzene	(mg/kg)	u	< 2.0	< 0.2	< 2.0
1-Chloronaphthalene	(mg/kg)	u	< 1.0	< 0.1	< 1.0
2,3,4,6-Tetrachlorophenol	(mg/kg)	u	< 6.0	< 0.6	< 6.0
2,4,5-Trichlorophenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2,4,6-Trichlorophenol	(mg/kg)	u	< 3.0	< 0.3	< 3.0
2,4-Dichlorophenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2,4-Dimethoxyphenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2,4-Dinitrophenol	(mg/kg)	u	< 20.0	< 2.0	< 20.0
2,6-Dichlorophenol	(mg/kg)	u	< 3.0	< 0.3	< 3.0
2,6-Dinitrotoluene	(mg/kg)	u	< 6.0	< 0.6	< 6.0
2-Chlorophenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2-Methylnaphthalene	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2-Methylphenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2-Nitroaniline	(mg/kg)	u	< 4.0	< 0.4	< 4.0
2-Nitrophenol	(mg/kg)	u	< 6.0	< 0.6	< 6.0
3,3-Dichlorobenzidine	(mg/kg)	u	< 3.0	< 0.3	< 3.0
3/4-Methylphenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
3-Nitroaniline	(mg/kg)	u	< 6.0	< 0.6	< 6.0
4-Chlorophenyl phenyl ether	(mg/kg)	u	< 2.0	< 0.2	< 2.0
4,6-Dinitro-2-methylphenol	(mg/kg)	u	< 10.0	< 1.0	< 10.0
4-Bromophenyl phenyl ether	(mg/kg)	u	< 2.0	< 0.2	< 2.0
4-Chloro-3-methylphenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
4-Chloroaniline	(mg/kg)	u	< 2.0	< 0.2	< 2.0
4-Nitroaniline	(mg/kg)	u	< 3.0	< 0.3	< 3.0
4-Nitrophenol	(mg/kg)	u	< 6.0	< 0.6	< 6.0
Acenaphthene	(mg/kg)	u	< 1.0	< 0.1	5.0
Acenaphthylene	(mg/kg)	u	< 1.0	< 0.1	< 1.0
Aniline	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Anthracene	(mg/kg)	u	< 1.0	< 0.1	8.7
Azobenzene	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Benz[a]anthracene	(mg/kg)	u	3.1	0.1	15
Benzo[ghi]perylene	(mg/kg)	u	1.6	0.1	7.7
Benzo[a]pyrene	(mg/kg)	u	3.6	< 0.2	16
Benzo[b]fluoranthene	(mg/kg)	u	2.9	0.2	15
Benzo[k]fluoranthene	(mg/kg)	u	1.6	< 0.1	8.2
Benzyl Alcohol	(mg/kg)	u	< 3.0	< 0.3	< 3.0
Benzyl butyl phthalate	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Bis(2-chloroethoxy)methane	(mg/kg)	u	< 1.0	< 0.1	< 1.0
Bis(2-chloroethyl)ether	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Bis(2-chloroisopropyl)ether	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Bis(2-ethylhexyl) phthalate	(mg/kg)	u	4.4	2.3	5.4
Chrysene	(mg/kg)	u	2.6	0.2	9.9
Dibenz[a,h]anthracene	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Dibenzofuran	(mg/kg)	u	< 1.0	< 0.1	1.9
Dibutyl phthalate	(mg/kg)	u	< 1.0	< 0.1	9.1
Diethyl Phthalate	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Dimethyl phthalate	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Di-n-octyl phthalate	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Diphenylamine	(mg/kg)	u	< 1.0	< 0.1	< 1.0
Fluoranthene	(mg/kg)	u	5.3	0.3	37
Fluorene	(mg/kg)	u	< 1.0	< 0.1	2.9
Hexachlorobenzene	(mg/kg)	u	< 3.0	< 0.3	< 3.0
Hexachlorobutadiene	(mg/kg)	u	< 3.0	< 0.3	< 3.0
Hexachlorocyclopentadiene	(mg/kg)	u	< 10.0	< 1.0	< 10.0
Hexachloroethane	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Indeno[1,2,3-cd]pyrene	(mg/kg)	u	2.9	< 0.2	11
Isophorone	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Methyl Methanesulfonate	(mg/kg)	u	< 3.0	< 0.3	< 3.0
Naphthalene	(mg/kg)	u	< 1.0	0.2	< 1.0
NitroBenzene	(mg/kg)	u	< 3.0	< 0.3	< 3.0
N-Nitrosodimethylamine	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Pentachlorophenol	(mg/kg)	u	< 10.0	< 1.0	< 10.0
Phenanthrene	(mg/kg)	u	2.4	0.3	26
Phenol	(mg/kg)	u	< 1.0	< 0.1	< 1.0

L25/08697/IOM - 25-78846 - Amendment A
Project Reference - J3166 Tipton Waste Transfer
Analytical Test Results - SVOC

7 - 11 Harding Street
 Leicester
 LE1 4DH

Lab Reference			575858	575859	575860
Client Sample ID			-	-	-
Client Sample Location			WS2	WS4	WS5
Client Sample Type			ES	ES	ES
Client Sample Number			-	-	-
Depth - Top (m)			0.75	0.40	0.45
Depth - Bottom (m)			0.75	0.40	0.45
Date of Sampling			18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-
Sample Matrix			Sand	Sand	Sand
Determinant	Units	Accreditation			
Pyrene	(mg/kg)	u	4.1	0.3	27

L25/08697/JOM - 25-78846 - Amendment A

Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

SVOC - TICS

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Retention Time	Top Match	% Score
575852	-	BH1	ES	-	10.3	Fluoranthene	96.6
575852	-	BH1	ES	-	8.3	9H-Fluorene, 9-methylene-	91.25
575852	-	BH1	ES	-	16.1	Benzo[k]fluoranthene	84.11
575852	-	BH1	ES	-	9.3	1H-Indene, 2-phenyl-	84.02
575852	-	BH1	ES	-	7	Hexane, 3,3-dimethyl-	82.31
575853	-	BH2	ES	-	6.5	Dodecane, 2,6,11-trimethyl-	91.37
575853	-	BH2	ES	-	5.4	Octane, 2,4,6-trimethyl-	90.39
575853	-	BH2	ES	-	7.6	Pentadecane, 2,6,10,14-tetramethyl-	88.94
575853	-	BH2	ES	-	10.3	Fluoranthene	88.37
575853	-	BH2	ES	-	6	Undecane, 4,7-dimethyl-	86.92
575854	-	BH1	ES	-	2.6	2-Pentanone, 4-hydroxy-4-methyl-	92.95
575854	-	BH1	ES	-	8.9	5,6-Dihydrochrysene	92.83
575854	-	BH1	ES	-	10.2	Fluoranthene	86.36
575854	-	BH1	ES	-	5.5	Naphthalene, 2-methyl-	84.27
575854	-	BH1	ES	-	2.7	Benzene, chloro-	83.79
575855	-	WS2	ES	-	10.3	Fluoranthene	94.94
575855	-	WS2	ES	-	8.3	Phenanthrene	86.55
575855	-	WS2	ES	-	10.6	Pyrene	85.98
575855	-	WS2	ES	-	8.4	9H-Fluorene, 9-methylene-	82.63
575855	-	WS2	ES	-	15.4	Benzo[a]pyrene	80.57
575856	-	WS1	ES	-	2.6	2-Pentanone, 4-hydroxy-4-methyl-	94.56
575856	-	WS1	ES	-	5.4	Hexadecane	92.57
575856	-	WS1	ES	-	5.5	Naphthalene, 2-methyl-	90.3
575856	-	WS1	ES	-	6.25	Naphthalene, 1,6-dimethyl-	89.87

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Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

SVOC - TICS

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Retention Time	Top Match	% Score
575856	-	WS1	ES	-	6.5	Dodecane, 2,6,11-trimethyl-	88.21
575857	-	WS1	ES	-	10.3	Fluoranthene	96.28
575857	-	WS1	ES	-	2.6	2-Pentanone, 4-hydroxy-4-methyl-	94.95
575857	-	WS1	ES	-	8.3	Phenanthrene	91.35
575857	-	WS1	ES	-	15.4	Benzo[k]fluoranthene	90.65
575857	-	WS1	ES	-	6.2	Naphthalene, 1,6-dimethyl-	88.71
575858	-	WS2	ES	-	10.3	Fluoranthene	97.18
575858	-	WS2	ES	-	2.6	2-Pentanone, 4-hydroxy-4-methyl-	93.71
575858	-	WS2	ES	-	10.7	Pyrene	89.84
575858	-	WS2	ES	-	15.4	Benzo[k]fluoranthene	87.42
575858	-	WS2	ES	-	8.3	Phenanthrene	85.66
575859	-	WS4	ES	-	2.6	2-Pentanone, 4-hydroxy-4-methyl-	93.95
575859	-	WS4	ES	-	5.5	Naphthalene, 2-methyl-	89.16
575859	-	WS4	ES	-	8.3	9H-Fluorene, 9-methylene-	88.88
575859	-	WS4	ES	-	5.6	Naphthalene, 2-methyl-	86.82
575859	-	WS4	ES	-	4.2	Pentane, 2,2,3,4-tetramethyl-	85.88
575860	-	WS5	ES	-	10.2	Fluoranthene	97.36
575861	-	WS5	ES	-	8.3	Phenanthrene	95.77
575860	-	WS5	ES	-	16	Perylene	92.13
575860	-	WS5	ES	-	8.4	Anthracene	91.94
575860	-	WS5	ES	-	2.6	2-Pentanone, 4-hydroxy-4-methyl-	91.9



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LE1 4DH

L25/08697/JOM - 25-78846 - Amendment A

Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

Sample Descriptions

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Description	Moisture Content (%)	Stone Content (%)	Passing 2mm test sieve (%)
575852	-	BH1	ES	-	Brown very gravelly slightly clayey silty sand	8.9	24	54
575853	-	BH2	ES	-	Made Ground- dark grey slightly gravelly slightly sandy silty clay with frequent hydrocarbons with rare brick fragments	16	7.5	79
575854	-	BH1	ES	-	Made Ground- dark grey slightly gravelly slightly sandy silty clay with frequent hydrocarbons with rare brick fragments	19	< 0.1	91
575855	-	BH2	ES	-	Made Ground- dark grey slightly gravelly slightly clayey silty sand with frequent hydrocarbons with rare brick fragments	16	18	81
575856	-	WS1	ES	-	Made Ground- dark brown slightly gravelly silty sand with occasional brick fragments concrete	6.3	17	70
575857	-	WS1	ES	-	Made Ground- dark brown slightly gravelly silty sand with occasional brick fragments concrete	11	< 0.1	80
575858	-	WS2	ES	-	Made Ground- brown gravelly silty sand with frequent brick fragments concrete	6.2	78	100
575859	-	WS4	ES	-	Made Ground- dark brown slightly gravelly silty sand with occasional concrete with rare brick fragments	4.4	64	65
575860	-	WS5	ES	-	Made Ground- brown gravelly silty sand with rare organic matter brick fragments concrete	11	48	77
575861	-	BH1	ES	-	Brownish grey slightly gravelly slightly sandy silty clay	-	-	88
575862	-	BH2	ES	-	Brown gravelly silty sandy clay	-	-	47
575863	-	BH2	ES	-	Brown slightly gravelly slightly sandy silty clay	-	-	78
575864	-	WS2	ES	-	Made Ground- dark brown slightly gravelly silty sand with rare brick fragments concrete	-	-	61



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Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

7 - 11 Harding Street
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Sample Comments

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Comments
575852	-	BH1	ES	-	VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575853	-	BH2	ES	-	SVOC - 1/10 dark colour extract VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575854	-	BH1	ES	-	SVOC - 1/10 dark colour extract VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575855	-	BH2	ES	-	SVOC - 1/10 dark colour extract VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575856	-	WS1	ES	-	VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575857	-	WS1	ES	-	VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575858	-	WS2	ES	-	SVOC - 1/10 dark colour extract VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575859	-	WS4	ES	-	VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575860	-	WS5	ES	-	SVOC - 1/10 dark colour extract VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575861	-	BH1	ES	-	
575862	-	BH2	ES	-	
575863	-	BH2	ES	-	
575864	-	WS2	ES	-	

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Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

Analysis Methodologies - Please refer to sample comments page (if present) for any changes to methods

Test Code	Test Name / Reference	Sample condition for analysis	Sample Preparation	Test Details
ANIONSS	MS - CL - Anions by Aquakem (2:1Extract)	Oven dried	Passing 2mm test sieve	Determination of Anions (inc Sulphate, chloride etc.) in soils by Aquakem. Analysis is based on a 2:1 water to soil extraction ratio
SKALARCNS	MS - CL - Cyanide by Skalar	As received	Passing 10mm test sieve	Determination of cyanide (total / free / complex) in soil using a Skalar segmented flow analyser
SKALARHCS	MS - CL - Hexavalent Chromium by Skalar	As received	Passing 10mm test sieve	Determination of hexavalent chromium in soil using Skalar segmented flow analyser
ICPMETS	MS - CL - ICP Metals	Air dried	Passing 10mm test sieve	Determination of metals in soils via ICP
PHS	MS - CL - pH in Soils	As received	Passing 10mm test sieve	Determination of pH in soils using a pH probe (using a 1:3 soil to water extraction)
PAHASRDS	MS - CL - PAH (As Received)	As received	Passing 10mm test sieve	Determination of Polyaromatic hydrocarbons in soil via GC-MS
PHOHHPLCS	MS - CL - Phenols by HPLC (soil)	As received	Passing 10mm test sieve	Determination of speciated phenols in soil using HPLC
SVOCS	MS - CL - Semi VOC	As received	Passing 10mm test sieve	Determination of Semi volatile organic compounds in soil via GC-MS
SKALARPHS	MS - CL - Phenols by Skalar	As received	Passing 10mm test sieve	Determination of total phenols in soil using Skalar segmented flow analyser
ASSO4S	MS - CL - Acid Soluble Sulphate	Oven Dried	Passing 2mm test sieve	Determination of total sulphate in soils by acid extraction followed by ICP analysis
TOCS	MS - CL - TOC Eltra	Air Dried	Passing 10mm test sieve	Determination of Total Organic Carbon in soils
GCXGCS	MS - CL - TPH & EPH by GCXGC	As received	Passing 10mm test sieve	Determination of TPH and EPH in soils via GCxGC-FID
CWGS	Calculation from VPH-S and EPH-S	As received	Passing 10mm test sieve	Determination of TPH CWG (Volatile Petroleum Hydrocarbons and Extractable Petroleum Hydrocarbons) in soils via Headspace-GC-MS and GC-GC-FID respectively
VOCs	MS - CL - VOC and MBTEX	As received	Passing 10mm test sieve	Determination of VOCs (inc BTEX) in soils via Headspace-GC-MS
VPHS	MS - CL - VPH	As received	Passing 10mm test sieve	Determination of VPH in soils via Headspace-GC-MS
WSBORONS	MS - CL - WS Boron	Air dried	Passing 10mm test sieve	Determination of Water soluble Boron in soils via ICP
ASB	MS - AS - Asbestos	-	-	Fibre identification is in accordance with in house documented methods which are based on the procedure documented in the HSE Document HSG 248 "Asbestos: The analysts guide for sampling, analysis and clearance procedures"
FUELID	Chromatograph	-	-	In house review of scheduled hydrocarbon analysis based on chromatographs, results are qualitative and indicative only
SAMPLEPREP	MS - CL - Sample Preparation	-	-	Preparation of samples (including determination of moisture content) to allow for subsequent analysis
1377TS-ELT	BS1377 Total Sulphur Content by HTC	Oven dried	BS1377 : Part 1 : 2016	Total Sulphur Content testing of Soil in accordance with BS 1377 : Part 3 : 2018 + A1 : 2021 Clause 7.10 (using Eltra CS-800 Analyser)



7 - 11 Harding Street
Leicester
LE1 4DH

L25/08697/JOM - 25-78846 - Amendment A

Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

Sample Deviations

Deviations are listed below against each sample and associated test method, where deviation(s) are noted it means data may not be representative of the sample at the time of sampling and it is possible that results provided may be compromised.

Observations on receipt

A - No date of sampling provided

W - No time of sampling provided for water sample

C - Received in inappropriate container

H - Contains headspace

T - Temperature on receipt exceeds storage temperature

R - Sample(s) received with less than 96 hours for testing to commence/complete, any result formally classed as deviating will be marked with an X against the applicable test (i.e. RX)

Observations whilst in laboratory

X - Exceeds sampling to extraction or analysis timescales

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Test	Deviations
575852	-	BH1	ES	-	MS - CL - pH in Soils	RX
575852	-	BH1	ES	-	MS - CL - VOC and MBTEX	RX
575852	-	BH1	ES	-	MS - CL - VPH	RX
575853	-	BH2	ES	-	MS - CL - pH in Soils	RX
575853	-	BH2	ES	-	MS - CL - VOC and MBTEX	RX
575853	-	BH2	ES	-	MS - CL - VPH	RX
575854	-	BH1	ES	-	MS - CL - pH in Soils	RX
575854	-	BH1	ES	-	MS - CL - VOC and MBTEX	RX
575854	-	BH1	ES	-	MS - CL - VPH	RX
575855	-	BH2	ES	-	MS - CL - pH in Soils	RX
575855	-	BH2	ES	-	MS - CL - VOC and MBTEX	RX
575855	-	BH2	ES	-	MS - CL - VPH	RX
575856	-	WS1	ES	-	MS - CL - pH in Soils	RX
575856	-	WS1	ES	-	MS - CL - VOC and MBTEX	RX
575856	-	WS1	ES	-	MS - CL - VPH	RX
575857	-	WS1	ES	-	MS - CL - pH in Soils	RX
575857	-	WS1	ES	-	MS - CL - VOC and MBTEX	RX
575857	-	WS1	ES	-	MS - CL - VPH	RX
575858	-	WS2	ES	-	MS - CL - pH in Soils	RX
575858	-	WS2	ES	-	MS - CL - VOC and MBTEX	RX
575858	-	WS2	ES	-	MS - CL - VPH	RX
575859	-	WS4	ES	-	MS - CL - pH in Soils	RX
575859	-	WS4	ES	-	MS - CL - VOC and MBTEX	RX
575859	-	WS4	ES	-	MS - CL - VPH	RX
575860	-	WS5	ES	-	MS - CL - pH in Soils	RX
575860	-	WS5	ES	-	MS - CL - VOC and MBTEX	RX
575860	-	WS5	ES	-	MS - CL - VPH	RX
575861	-	BH1	ES	-	MS - CL - pH in Soils	RX



L25/08697/IOM - 25-78846 - Amendment A

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

Sample Deviations

Deviations are listed below against each sample and associated test method, where deviation(s) are noted it means data may not be representative of the sample at the time of sampling and it is possible that results provided may be compromised.

Observations on receipt

A - No date of sampling provided

W - No time of sampling provided for water sample

C - Received in inappropriate container

H - Contains headspace

T - Temperature on receipt exceeds storage temperature

R - Sample(s) received with less than 96 hours for testing to commence/complete, any result formally classed as deviating will be marked with an X against the applicable test (i.e. RX)

Observations whilst in laboratory

X - Exceeds sampling to extraction or analysis timescales

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Test	Deviations
575862	-	BH2	ES	-	MS - CL - pH in Soils	RX
575863	-	BH2	ES	-	MS - CL - pH in Soils	RX
575864	-	WS2	ES	-	MS - CL - pH in Soils	RX

L25/08697/JOM - 25-78846 - Amendment A

Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

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HWOL TPH Acronym Index

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics and Aromatics
AL	Aliphatics Only
AR	Aromatics Only
2D	GC-GC - Double Coil Gas Chromatography
#1	EH_Total but with humics mathmatically subtracted
#2	EH_Total but with fatty acids mathmatically subtracted
_	Operator - underscore to separate acronyms (except for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry



Jomas Associates
Unit 24 Sarum Complex,
Salisbury Road,
UB8 2RZ

7 - 11 Harding Street
Leicester
LE1 4DH

Analytical Test Report: L25/08697/JOM - 25-78846

Your Project Reference:	J3166 Tipton Waste Transfer Station, DY4 7BY		
Your Order Number:	P6424J3166.8	Samples Received / Instructed:	22/08/2025 / 22/08/2025
Report Issue Number:	1	Sample Tested:	22/08 to 04/09/2025
Samples Analysed:	13 sample(s)	Report issued:	04/09/2025

Signed

James Gane
Analytical Services Manager
CTS

Notes:

General

Please refer to Methodologies page for details pertaining to the analytical methods undertaken.

Samples will be retained for 14 days after issue of this report with the exception of the asbestos test portion which is held for 6 months unless otherwise requested.

Moisture Content was determined in accordance with CTS method statement MS - CL - Sample Prep, oven dried at <30°C.

Moisture Content is reported as a percentage of the dry mass of soil, this calculation is in accordance with BS1377, Part 2, 1990, Clause 3.2

Stone Content was determined in accordance with CTS method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.

Where specification limits are included these are for guidance only. Where a measured value has been highlighted this is not implying acceptance or failure and certainty of measurement values have not been taken into account.

Uncertainty of measurement values are available on request.

Samples were supplied by customer, results apply to the samples as received.

Asbestos

Please note: Where further analysis is required samples identified as containing asbestos are screened and tested on an as received basis. No correction is made for moisture content and other than the asbestos test(s) these results are not covered by our accreditation

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

Deviating Samples

On receipt samples are compared against our sample holding and handling protocols, where any deviations have been noted these are reported on our deviating sample page (if present)

Accreditation Key

This report shall not be reproduced except in full

UKAS = UKAS Accreditation, MCERTS = MCERTS Accreditation, u = Unaccredited, subUKAS - Subcontracted to a laboratory UKAS accredited for this test, subMCERTS - Subcontracted to a laboratory MCERTS accredited for this test

MCERTS Accreditation only covers the SAND, CLAY and LOAM matrices

UKAS accreditation on waters only covers the Ground water and Surface water matrices

Date of Issue: 27.08.25

Issued by: J. Gane

Issue No: 4

Rev No: 27

L25/08697/JOM - 25-78846

Project Reference - J3166 Tipton Waste

Transfer Station, DY4 7BY

Analytical Test Results - Solid

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference			575852	575853	575854	575855	575856	575857
Client Sample ID			-	-	-	-	-	-
Client Sample Location			BH1	BH2	BH1	BH2	WS1	WS1
Client Sample Type			ES	ES	ES	ES	ES	ES
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.15	0.45	7.00	0.85	0.75	1.30
Depth - Bottom (m)			0.15	0.45	7.00	0.85	0.75	1.30
Date of Sampling			18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Sand	Clay	Clay	Sand	Sand	Sand
Determinant	Units	Accreditation						
Arsenic	(mg/kg)	MCERTS	< 10	< 10	< 10	11	11	18
Boron (w/s)	(mg/kg)	u	< 2.5	< 2.5	< 2.5	2.9	< 2.5	< 2.5
Cadmium	(mg/kg)	MCERTS	1.3	2.9	1.9	2.0	1.6	3.3
Chromium (Total)	(mg/kg)	UKAS	14	8.4	7.0	33	30	160
Copper	(mg/kg)	MCERTS	25	74	72	150	83	200
Lead	(mg/kg)	MCERTS	57	62	63	100	87	400
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	13	25	27	36	41	56
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	130	100	140	430	320	1000
Total Phenols	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Phenol	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cresols	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Xylenols	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trimethyl Phenols	(mg/kg)	UKAS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Total Phenols (via HPLC)	(mg/kg)	UKAS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Cyanide (Total)	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium (Hexavalent)	(mg/kg)	u	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sulphate (Acid Soluble)	(%)	u	0.91	0.33	0.28	0.62	0.05	0.08
pH	pH Units	MCERTS	12.9	11.1	8.7	12.3	9.3	8.9
Sulphate (Water soluble as SO ₄)	(mg/l)	u	< 10	390	430	240	39	45
Acenaphthene	(mg/kg)	MCERTS	0.05	0.15	< 0.02	< 0.20	0.03	< 0.02
Acenaphthylene	(mg/kg)	UKAS	< 0.02	0.05	0.02	< 0.20	< 0.02	0.02
Anthracene	(mg/kg)	UKAS	0.14	0.27	0.12	0.41	0.05	0.11
Benzo (a) anthracene	(mg/kg)	MCERTS	0.24	0.49	0.18	0.74	0.08	0.25
Benzo (a) pyrene	(mg/kg)	MCERTS	0.27	0.54	0.19	0.77	0.06	0.25
Benzo (b) fluoranthene	(mg/kg)	MCERTS	0.32	0.69	0.34	0.97	0.11	0.37
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	0.18	0.43	0.19	0.60	0.06	0.17
Benzo (k) fluoranthene	(mg/kg)	MCERTS	0.10	0.22	0.09	0.28	0.02	0.11
Chrysene	(mg/kg)	MCERTS	0.27	0.54	0.28	0.85	0.11	0.29
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	< 0.02	0.06	< 0.02	< 0.20	< 0.02	0.02
Fluoranthene	(mg/kg)	MCERTS	0.72	1.2	0.45	1.8	0.15	0.62
Fluorene	(mg/kg)	MCERTS	0.05	0.11	< 0.02	< 0.20	0.02	< 0.02
Indeno (1, 2, 3-cd) pyrene	(mg/kg)	MCERTS	0.15	0.32	0.12	0.34	0.03	0.13
Naphthalene	(mg/kg)	MCERTS	< 0.02	0.38	0.12	< 0.20	0.19	0.05
Phenanthrene	(mg/kg)	MCERTS	0.47	1.2	0.57	1.4	0.26	0.39
Pyrene	(mg/kg)	MCERTS	0.67	1.1	0.41	1.6	0.13	0.51
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	3.7	7.7	3.2	11	1.4	3.3
SOM (via TOC)	(%)	UKAS	1.0	-	-	7.8	-	-
Asbestos	-	UKAS	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

L25/08697/JOM - 25-78846

Project Reference - J3166 Tipton Waste

Transfer Station, DY4 7BY

Analytical Test Results - Solid

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference			575858	575859	575860
Client Sample ID			-	-	-
Client Sample Location			WS2	WS4	WS5
Client Sample Type			ES	ES	ES
Client Sample Number			-	-	-
Depth - Top (m)			0.75	0.40	0.45
Depth - Bottom (m)			0.75	0.40	0.45
Date of Sampling			18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-
Sample Matrix			Sand	Sand	Sand
Determinant	Units	Accreditation			
Arsenic	(mg/kg)	MCERTS	< 10	20	< 10
Boron (w/s)	(mg/kg)	u	< 2.5	5.1	9.6
Cadmium	(mg/kg)	MCERTS	1.1	3.3	1.6
Chromium (Total)	(mg/kg)	UKAS	27	92	22
Copper	(mg/kg)	MCERTS	47	230	120
Lead	(mg/kg)	MCERTS	60	130	99
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	28	77	21
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	160	640	340
Total Phenols	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0
Phenol	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20
Cresols	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20
Xylenols	(mg/kg)	MCERTS	< 0.20	< 0.20	< 0.20
Trimethyl Phenols	(mg/kg)	UKAS	< 0.20	< 0.20	< 0.20
Total Phenols (via HPLC)	(mg/kg)	UKAS	< 0.80	< 0.80	< 0.80
Cyanide (Total)	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0
Chromium (Hexavalent)	(mg/kg)	u	< 1.0	< 1.0	< 1.0
Sulphate (Acid Soluble)	(%)	u	0.62	0.15	0.56
pH	pH Units	MCERTS	10.6	7.9	11.4
Sulphate (Water soluble as SO ₄)	(mg/l)	u	530	160	460
Acenaphthene	(mg/kg)	MCERTS	< 0.20	< 0.02	< 0.20
Acenaphthylene	(mg/kg)	UKAS	< 0.20	< 0.02	< 0.20
Anthracene	(mg/kg)	UKAS	0.32	0.05	0.55
Benzo (a) anthracene	(mg/kg)	MCERTS	1.2	0.10	0.98
Benzo (a) pyrene	(mg/kg)	MCERTS	2.6	0.08	1.1
Benzo (b) fluoranthene	(mg/kg)	MCERTS	2.7	0.16	1.3
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	2.2	0.08	0.97
Benzo (k) fluoranthene	(mg/kg)	MCERTS	0.78	0.04	0.38
Chrysene	(mg/kg)	MCERTS	1.6	0.15	0.98
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	0.25	< 0.02	< 0.20
Fluoranthene	(mg/kg)	MCERTS	2.0	0.22	2.3
Fluorene	(mg/kg)	MCERTS	< 0.20	< 0.02	< 0.20
Indeno (1, 2, 3-cd) pyrene	(mg/kg)	MCERTS	1.6	0.05	0.62
Naphthalene	(mg/kg)	MCERTS	< 0.20	0.14	< 0.20
Phenanthrene	(mg/kg)	MCERTS	0.79	0.22	1.4
Pyrene	(mg/kg)	MCERTS	2.2	0.20	2.0
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	19	1.6	14
SOM (via TOC)	(%)	UKAS	2.6	-	-
Asbestos	-	UKAS	No asbestos detected	No asbestos detected	No asbestos detected



7 - 11 Harding Street
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LE1 4DH

L25/08697/JOM - 25-78846

Project Reference - J3166 Tipton Waste

Transfer Station, DY4 7BY

Analytical Test Results - Chemical Analysis

Lab Reference			575861	575862	575863	575864
Client Sample ID			-	-	-	-
Client Sample Location			BH1	BH2	BH2	WS2
Client Sample Type			ES	ES	ES	ES
Client Sample Number			-	-	-	-
Depth - Top (m)			11.50	0.50	9.00	3.50
Depth - Bottom (m)			11.50	0.50	9.00	3.50
Date of Sampling			18/08/2025	18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-	-
Sample Matrix			Clay	Clay	Clay	Sand
Determinant	Units	Accreditation				
Water soluble sulphate (as SO ₄)	(mg/l)	u	68	44	52	76
Acid Soluble Sulphate	(%)	u	0.02	0.78	0.01	0.06
Total Sulphur	(%)	UKAS	< 0.01	0.30	< 0.01	0.05
pH Value	pH Units	MCERTS	9.1	12.6	9.1	8.8



L25/08697/JOM - 25-78846

Project Reference - J3166 Tipton Waste

Transfer Station, DY4 7BY

Analytical Test Results - VPH / EPH

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference	575852	575853	575854	575855	575856	575857
Client Sample ID	-	-	-	-	-	-
Client Sample Location	BH1	BH2	BH1	BH2	WS1	WS1
Client Sample Type	ES	ES	ES	ES	ES	ES
Client Sample Number	-	-	-	-	-	-
Depth - Top (m)	0.15	0.45	7.00	0.85	0.75	1.30
Depth - Bottom (m)	0.15	0.45	7.00	0.85	0.75	1.30
Date of Sampling	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025
Time of Sampling	-	-	-	-	-	-
Sample Matrix	Sand	Clay	Clay	Sand	Sand	Sand
Determinant	Units	Accreditation				
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	< 0.01	0.01	0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	0.02	0.09	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	0.02	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C ₅ to C ₆ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	0.12	0.08	< 0.06
Aliphatic >C ₆ to C ₈ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	0.34	0.33	< 0.06
Aliphatic >C ₈ to C ₁₀ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	0.08	< 0.06	< 0.06
Aliphatic >C ₁₀ to C ₁₂ [EH_2D_AL]	(mg/kg)	MCERTS	< 1.0	6.3	5.0	1.7
Aliphatic >C ₁₂ to C ₁₆ [EH_2D_AL]	(mg/kg)	MCERTS	3.1	14	11	7.0
Aliphatic >C ₁₆ to C ₂₁ [EH_2D_AL]	(mg/kg)	MCERTS	7.8	15	14	19
Aliphatic >C ₂₁ to C ₃₅ [EH_2D_AL]	(mg/kg)	MCERTS	34	26	14	83
Aliphatic >C ₃₅ to C ₄₄ [EH_2D_AL]	(mg/kg)	u	< 5.0	6.1	< 5.0	8.7
Aromatic >C ₅ to C ₇ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C ₇ to C ₈ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	0.01	0.01
Aromatic >C ₈ to C ₁₀ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aromatic >C ₁₀ to C ₁₂ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	3.1	2.1	1.1
Aromatic >C ₁₂ to C ₁₆ [EH_2D_AR]	(mg/kg)	MCERTS	1.9	18	14	5.0
Aromatic >C ₁₆ to C ₂₁ [EH_2D_AR]	(mg/kg)	MCERTS	7.9	38	30	12
Aromatic >C ₂₁ to C ₃₅ [EH_2D_AR]	(mg/kg)	MCERTS	41	120	55	45
Aromatic >C ₃₅ to C ₄₄ [EH_2D_AR]	(mg/kg)	u	15	41	7.9	< 5.0
Total >C ₅ to C ₃₅ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	95	240	150	320
Petrol or Diesel Contamination	-	u	Neither Detected	Neither Detected	Neither Detected	Neither Detected



L25/08697/JOM - 25-78846

Project Reference - J3166 Tipton Waste

Transfer Station, DY4 7BY

Analytical Test Results - VPH / EPH

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference			575858	575859	575860
Client Sample ID			-	-	-
Client Sample Location			WS2	WS4	WS5
Client Sample Type			ES	ES	ES
Client Sample Number			-	-	-
Depth - Top (m)			0.75	0.40	0.45
Depth - Bottom (m)			0.75	0.40	0.45
Date of Sampling			18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-
Sample Matrix			Sand	Sand	Sand
Determinant	Units	Accreditation			
Benzene	(mg/kg)	MCERTS	< 0.01	0.03	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	0.04	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Aliphatic >C ₅ to C ₆ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	0.08	< 0.06
Aliphatic >C ₆ to C ₈ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	0.14	< 0.06
Aliphatic >C ₈ to C ₁₀ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06
Aliphatic >C ₁₀ to C ₁₂ [EH_2D_AL]	(mg/kg)	MCERTS	1.7	2.0	2.2
Aliphatic >C ₁₂ to C ₁₆ [EH_2D_AL]	(mg/kg)	MCERTS	7.2	4.8	11
Aliphatic >C ₁₆ to C ₂₁ [EH_2D_AL]	(mg/kg)	MCERTS	21	12	41
Aliphatic >C ₂₁ to C ₃₅ [EH_2D_AL]	(mg/kg)	MCERTS	32	55	140
Aliphatic >C ₃₅ to C ₄₄ [EH_2D_AL]	(mg/kg)	u	8.0	10	31
Aromatic >C ₅ to C ₇ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	0.03	< 0.01
Aromatic >C ₇ to C ₈ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	0.04	< 0.01
Aromatic >C ₈ to C ₁₀ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06
Aromatic >C ₁₀ to C ₁₂ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₂ to C ₁₆ [EH_2D_AR]	(mg/kg)	MCERTS	4.8	3.3	7.7
Aromatic >C ₁₆ to C ₂₁ [EH_2D_AR]	(mg/kg)	MCERTS	64	10	50
Aromatic >C ₂₁ to C ₃₅ [EH_2D_AR]	(mg/kg)	MCERTS	260	43	220
Aromatic >C ₃₅ to C ₄₄ [EH_2D_AR]	(mg/kg)	u	88	10	67
Total >C ₅ to C ₃₅ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	390	130	470
Petrol or Diesel Contamination	-	u	Neither Detected	Neither Detected	Neither Detected

L25/08697/JOM - 25-78846

Project Reference - J3166 Tipton Waste Transfer

7 - 11 Harding Street
Leicester
LE1 4DH

Analytical Test Results - VOC

Lab Reference	575852	575853	575854	575855	575856	575857
Client Sample ID	-	-	-	-	-	-
Client Sample Location	BH1	BH2	BH1	BH2	WS1	WS1
Client Sample Type	ES	ES	ES	ES	ES	ES
Client Sample Number	-	-	-	-	-	-
Depth - Top (m)	0.15	0.45	7.00	0.85	0.75	1.30
Depth - Bottom (m)	0.15	0.45	7.00	0.85	0.75	1.30
Date of Sampling	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025
Time of Sampling	-	-	-	-	-	-
Sample Matrix	Sand	Clay	Clay	Sand	Sand	Sand
Determinant	Units	Accreditation				
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	0.02	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	0.01	< 0.01	< 0.01
Dichlorodifluoromethane	(mg/kg)	UKAS	< 0.05	< 0.05	< 0.05	< 0.05
Chloromethane	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.02	< 0.02
Vinyl Chloride	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
Bromomethane	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05
Chloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Trichlorofluoromethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,1-Dichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Dichloromethane	(mg/kg)	u	< 0.10	0.13	0.27	0.26
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
trans-1,2,-dichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,1-Dichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
2,2-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
cis-1,2,-dichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Bromochloromethane	(mg/kg)	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Chloroform	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,1,1-Trichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,1-Dichloropropene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Carbon Tetrachloride	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,2-dichloroethane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
Trichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Dibromomethane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
Bromodichloromethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
cis-1,2-dichloropropylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
trans-1,3-dichloropropylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,1,2-Trichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,3-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Tetrachloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Chlorodibromomethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dibromoethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Chlorobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,1,1,2-tetrachloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Styrene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01
Isopropylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Bromoform	(mg/kg)	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
1,1,2,2-Tetrachloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,2,3-Trichloropropane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
n-Propylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Bromobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,3,5-Trimethylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01
2-chlorotoluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
4-chlorotoluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
tert-butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01
1,2,4-trimethylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01
sec-Butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01
4-isopropyltoluene (P-Cymene)	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01
1,3-Dichlorobenzene	(mg/kg)	u	< 0.01	< 0.01	< 0.01	< 0.01
1,4-Dichlorobenzene	(mg/kg)	u	< 0.01	< 0.01	< 0.01	< 0.01
n-Butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dichlorobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dibromo-3-chloropropane	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05
1,2,3-Trichlorobenzene	(mg/kg)	u	< 0.05	< 0.05	< 0.05	< 0.05

L25/08697/JOM - 25-78846

Project Reference - J3166 Tipton Waste Transfer

Analytical Test Results - VOC

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference			575858	575859	575860
Client Sample ID			-	-	-
Client Sample Location			WS2	WS4	WS5
Client Sample Type			ES	ES	ES
Client Sample Number			-	-	-
Depth - Top (m)			0.75	0.40	0.45
Depth - Bottom (m)			0.75	0.40	0.45
Date of Sampling			18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-
Sample Matrix			Sand	Sand	Sand
Determinant	Units	Accreditation			
Benzene	(mg/kg)	MCERTS	< 0.01	0.02	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	0.01	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Dichlorodifluoromethane	(mg/kg)	UKAS	< 0.05	< 0.05	< 0.05
Chloromethane	(mg/kg)	UKAS	< 0.02	0.02	< 0.02
Vinyl Chloride	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02
Bromomethane	(mg/kg)	u	< 0.05	< 0.05	< 0.05
Chloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Trichlorofluoromethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1-Dichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Dichloromethane	(mg/kg)	u	< 0.10	0.24	< 0.10
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
trans-1,2,-dichloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1-Dichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
2,2-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
cis-1,2,-dichloroethylene	(mg/kg)	MCERTS	< 0.01	0.03	< 0.01
Bromochloromethane	(mg/kg)	MCERTS	< 0.05	< 0.05	< 0.05
Chloroform	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1,1-Trichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1-Dichloropropene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Carbon Tetrachloride	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,2-dichloroethane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02
Trichloroethylene	(mg/kg)	MCERTS	< 0.01	0.09	< 0.01
1,2-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Dibromomethane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02
Bromodichloromethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
cis-1,2-dichloropropylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
trans-1,3-dichloropropylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1,2-Trichloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,3-Dichloropropane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Tetrachloroethylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Chlorodibromomethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,2-Dibromoethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Chlorobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,1,1,2-tetrachloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Styrene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
Isopropylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Bromoform	(mg/kg)	MCERTS	< 0.05	< 0.05	< 0.05
1,1,2,2-Tetrachloroethane	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,2,3-Trichloropropane	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02
n-Propylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Bromobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,3,5-Trimethylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
2-chlorotoluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
4-chlorotoluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
tert-butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
1,2,4-trimethylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
sec-Butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
4-Isopropyltoluene (P-Cymene)	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
1,3-Dichlorobenzene	(mg/kg)	u	< 0.01	< 0.01	< 0.01
1,4-Dichlorobenzene	(mg/kg)	u	< 0.01	< 0.01	< 0.01
n-Butylbenzene	(mg/kg)	UKAS	< 0.01	< 0.01	< 0.01
1,2-Dichlorobenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
1,2-Dibromo-3-chloropropane	(mg/kg)	u	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	(mg/kg)	u	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	(mg/kg)	u	< 0.05	< 0.05	< 0.05
Naphthalene	(mg/kg)	u	< 0.05	< 0.05	< 0.05
1,2,3-Trichlorobenzene	(mg/kg)	u	< 0.05	< 0.05	< 0.05

L25/08697/IOM - 25-78846

Project Reference - J3166 Tipton Waste Transfer

Analytical Test Results - SVOC

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference	575852	575853	575854	575855	575856	575857
Client Sample ID	-	-	-	-	-	-
Client Sample Location	BH1	BH2	BH1	BH2	WS1	WS1
Client Sample Type	ES	ES	ES	ES	ES	ES
Client Sample Number	-	-	-	-	-	-
Depth - Top (m)	0.15	0.45	7.00	0.85	0.75	1.30
Depth - Bottom (m)	0.15	0.45	7.00	0.85	0.75	1.30
Date of Sampling	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025	18/08/2025
Time of Sampling	-	-	-	-	-	-
Sample Matrix	Sand	Clay	Clay	Sand	Sand	Sand
Determinant	Units	Accreditation				
1,2,4-Trichlorobenzene	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
1,2-Dichlorobenzene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
1,3-Dichlorobenzene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
1,4-Dichlorobenzene	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
1-Chloronaphthalene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
2,3,4,6-Tetrachlorophenol	(mg/kg)	u	< 0.6	< 6.0	< 6.0	< 0.6
2,4,5-Trichlorophenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
2,4,6-Trichlorophenol	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
2,4-Dichlorophenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
2,4-Dimethylphenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
2,4-Dinitrophenol	(mg/kg)	u	< 2.0	< 20.0	< 20.0	< 2.0
2,6-Dichlorophenol	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
2,6-Dinitrotoluene	(mg/kg)	u	< 0.6	< 6.0	< 6.0	< 0.6
2-Chlorophenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
2-Methylnaphthalene	(mg/kg)	u	< 0.2	< 2.0	< 2.0	0.3
2-Methylphenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
2-Nitroaniline	(mg/kg)	u	< 0.4	< 4.0	< 4.0	< 0.4
2-Nitrophenol	(mg/kg)	u	< 0.6	< 6.0	< 6.0	< 0.6
3,3-Dichlorobenzidine	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
3/4-Methylphenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
3-Nitroaniline	(mg/kg)	u	< 0.6	< 6.0	< 6.0	< 0.6
4-Chlorophenyl phenyl ether	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
4,6-Dinitro-2-methylphenol	(mg/kg)	u	< 1.0	< 10.0	< 10.0	< 1.0
4-Bromophenyl phenyl ether	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
4-Chloro-3-methylphenol	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
4-Chloroaniline	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
4-Nitroaniline	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
4-Nitrophenol	(mg/kg)	u	< 0.6	< 6.0	< 6.0	< 0.6
Acenaphthene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Acenaphthylene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Aniline	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Anthracene	(mg/kg)	u	0.1	< 1.0	< 1.0	0.2
Azobenzene	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Benz[a]anthracene	(mg/kg)	u	0.3	1.2	< 1.0	1.4
Benzo[ghi]perylene	(mg/kg)	u	0.2	< 1.0	< 1.0	< 0.1
Benzo[a]pyrene	(mg/kg)	u	0.4	< 2.0	< 2.0	< 0.2
Benzo[b]fluoranthene	(mg/kg)	u	0.4	1.5	< 1.0	1.7
Benzo[k]fluoranthene	(mg/kg)	u	0.2	< 1.0	< 1.0	0.1
Benzyl Alcohol	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
Benzyl butyl phthalate	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Bis(2-chloroethoxy)methane	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Bis(2-chloroethyl)ether	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Bis(2-chloroisopropyl)ether	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Bis(2-ethylhexyl) phthalate	(mg/kg)	u	0.5	4.8	4.8	5.8
Chrysene	(mg/kg)	u	0.2	< 1.0	< 1.0	1.3
Dibenz[a,h]anthracene	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Dibenzofuran	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Dibutyl phthalate	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Diethyl Phthalate	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Dimethyl phthalate	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Di-n-octyl phthalate	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Diphenylamine	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Fluoranthene	(mg/kg)	u	0.9	2.3	1.3	3.1
Fluorene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Hexachlorobenzene	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
Hexachlorobutadiene	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
Hexachlorocyclopentadiene	(mg/kg)	u	< 1.0	< 10.0	< 10.0	< 1.0
Hexachloroethane	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Indeno[1,2,3-cd]pyrene	(mg/kg)	u	0.3	< 2.0	< 2.0	< 0.2
Isophorone	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Methyl Methanesulfonate	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
Naphthalene	(mg/kg)	u	< 0.1	< 1.0	< 1.0	0.2
NitroBenzene	(mg/kg)	u	< 0.3	< 3.0	< 3.0	< 0.3
N-Nitrosodimethylamine	(mg/kg)	u	< 0.2	< 2.0	< 2.0	< 0.2
Pentachlorophenol	(mg/kg)	u	< 1.0	< 10.0	< 10.0	< 1.0
Phenanthrene	(mg/kg)	u	0.5	1.9	1.3	2.5
Phenol	(mg/kg)	u	< 0.1	< 1.0	< 1.0	< 0.1
Pyrene	(mg/kg)	u	0.7	2.1	< 1.0	2.6

L25/08697/IOM - 25-78846

Project Reference - J3166 Tipton Waste Transfer

Analytical Test Results - SVOC

Lab Reference			575858	575859	575860
Client Sample ID			-	-	-
Client Sample Location			WS2	WS4	WS5
Client Sample Type			ES	ES	ES
Client Sample Number			-	-	-
Depth - Top (m)			0.75	0.40	0.45
Depth - Bottom (m)			0.75	0.40	0.45
Date of Sampling			18/08/2025	18/08/2025	18/08/2025
Time of Sampling			-	-	-
Sample Matrix			Sand	Sand	Sand
Determinant	Units	Accreditation			
1,2,4-Trichlorobenzene	(mg/kg)	u	< 2.0	< 0.2	< 2.0
1,2-Dichlorobenzene	(mg/kg)	u	< 1.0	< 0.1	< 1.0
1,3-Dichlorobenzene	(mg/kg)	u	< 1.0	< 0.1	< 1.0
1,4-Dichlorobenzene	(mg/kg)	u	< 2.0	< 0.2	< 2.0
1-Chloronaphthalene	(mg/kg)	u	< 1.0	< 0.1	< 1.0
2,3,4,6-Tetrachlorophenol	(mg/kg)	u	< 6.0	< 0.6	< 6.0
2,4,5-Trichlorophenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2,4,6-Trichlorophenol	(mg/kg)	u	< 3.0	< 0.3	< 3.0
2,4-Dichlorophenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2,4-Dimethylphenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2,4-Dinitrophenol	(mg/kg)	u	< 20.0	< 2.0	< 20.0
2,6-Dichlorophenol	(mg/kg)	u	< 3.0	< 0.3	< 3.0
2,6-Dinitrotoluene	(mg/kg)	u	< 6.0	< 0.6	< 6.0
2-Chlorophenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2-Methylnaphthalene	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2-Methylphenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
2-Nitroaniline	(mg/kg)	u	< 4.0	< 0.4	< 4.0
2-Nitrophenol	(mg/kg)	u	< 6.0	< 0.6	< 6.0
3,3-Dichlorobenzidine	(mg/kg)	u	< 3.0	< 0.3	< 3.0
3/4-Methylphenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
3-Nitroaniline	(mg/kg)	u	< 6.0	< 0.6	< 6.0
4-Chlorophenyl phenyl ether	(mg/kg)	u	< 2.0	< 0.2	< 2.0
4,6-Dinitro-2-methylphenol	(mg/kg)	u	< 10.0	< 1.0	< 10.0
4-Bromophenyl phenyl ether	(mg/kg)	u	< 2.0	< 0.2	< 2.0
4-Chloro-3-methylphenol	(mg/kg)	u	< 2.0	< 0.2	< 2.0
4-Chloroaniline	(mg/kg)	u	< 2.0	< 0.2	< 2.0
4-Nitroaniline	(mg/kg)	u	< 3.0	< 0.3	< 3.0
4-Nitrophenol	(mg/kg)	u	< 6.0	< 0.6	< 6.0
Acenaphthene	(mg/kg)	u	< 1.0	< 0.1	5.0
Acenaphthylene	(mg/kg)	u	< 1.0	< 0.1	< 1.0
Aniline	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Anthracene	(mg/kg)	u	< 1.0	< 0.1	8.7
Azobenzene	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Benzo[a]anthracene	(mg/kg)	u	3.1	0.1	15
Benzo[ghi]perylene	(mg/kg)	u	1.6	0.1	7.7
Benzo[a]pyrene	(mg/kg)	u	3.6	< 0.2	16
Benzo[b]fluoranthene	(mg/kg)	u	2.9	0.2	15
Benzo[k]fluoranthene	(mg/kg)	u	1.6	< 0.1	8.2
Benzyl Alcohol	(mg/kg)	u	< 3.0	< 0.3	< 3.0
Benzyl butyl phthalate	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Bis(2-chloroethoxy)methane	(mg/kg)	u	< 1.0	< 0.1	< 1.0
Bis(2-chloroethyl)ether	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Bis(2-chloroisopropyl)ether	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Bis(2-ethylhexyl) phthalate	(mg/kg)	u	4.4	2.3	5.4
Chrysene	(mg/kg)	u	2.6	0.2	9.9
Dibenz[a,h]anthracene	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Dibenzofuran	(mg/kg)	u	< 1.0	< 0.1	1.9
Dibutyl phthalate	(mg/kg)	u	< 1.0	< 0.1	9.1
Diethyl Phthalate	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Dimethyl phthalate	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Di-n-octyl phthalate	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Diphenylamine	(mg/kg)	u	< 1.0	< 0.1	< 1.0
Fluoranthene	(mg/kg)	u	5.3	0.3	37
Fluorene	(mg/kg)	u	< 1.0	< 0.1	2.9
Hexachlorobenzene	(mg/kg)	u	< 3.0	< 0.3	< 3.0
Hexachlorobutadiene	(mg/kg)	u	< 3.0	< 0.3	< 3.0
Hexachlorocyclopentadiene	(mg/kg)	u	< 10.0	< 1.0	< 10.0
Hexachloroethane	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Indeno[1,2,3-cd]pyrene	(mg/kg)	u	2.9	< 0.2	11
Isophorone	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Methyl Methanesulfonate	(mg/kg)	u	< 3.0	< 0.3	< 3.0
Naphthalene	(mg/kg)	u	< 1.0	0.2	< 1.0
NitroBenzene	(mg/kg)	u	< 3.0	< 0.3	< 3.0
N-Nitrosodimethylamine	(mg/kg)	u	< 2.0	< 0.2	< 2.0
Pentachlorophenol	(mg/kg)	u	< 10.0	< 1.0	< 10.0
Phenanthrene	(mg/kg)	u	2.4	0.3	26
Phenol	(mg/kg)	u	< 1.0	< 0.1	< 1.0
Pyrene	(mg/kg)	u	4.1	0.3	27

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Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

SVOC - TICS

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Retention Time	Top Match	% Score
575855	-	BH2	ES	-	10.30	Fluoranthene	94.94
575857	-	WS1	ES	-	2.60	2-Pentanone, 4-hydroxy-4-methyl-	94.95
575858	-	WS2	ES	-	10.30	Fluoranthene	97.18
575860	-	WS5	ES	-	10.20	Fluoranthene	97.36
					8.30	Phenanthrene	95.77



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Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

Sample Descriptions

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Description	Moisture Content (%)	Stone Content (%)	Passing 2mm test sieve (%)
575852	-	BH1	ES	-	Brown very gravelly slightly clayey silty sand	8.9	24	54
575853	-	BH2	ES	-	Made Ground- dark grey slightly gravelly slightly sandy silty clay with frequent hydrocarbons with rare brick fragments	16	7.5	79
575854	-	BH1	ES	-	Made Ground- dark grey slightly gravelly slightly sandy silty clay with frequent hydrocarbons with rare brick fragments	19	< 0.1	91
575855	-	BH2	ES	-	Made Ground- dark grey slightly gravelly slightly clayey silty sand with frequent hydrocarbons with rare brick fragments	16	18	81
575856	-	WS1	ES	-	Made Ground- dark brown slightly gravelly silty sand with occasional brick fragments concrete	6.3	17	70
575857	-	WS1	ES	-	Made Ground- dark brown slightly gravelly silty sand with occasional brick fragments concrete	11	< 0.1	80
575858	-	WS2	ES	-	Made Ground- brown gravelly silty sand with frequent brick fragments concrete	6.2	78	100
575859	-	WS4	ES	-	Made Ground- dark brown slightly gravelly silty sand with occasional concrete with rare brick fragments	4.4	64	65
575860	-	WS5	ES	-	Made Ground- brown gravelly silty sand with rare organic matter brick fragments concrete	11	48	77
575861	-	BH1	ES	-	Brownish grey slightly gravelly slightly sandy silty clay	-	-	88
575862	-	BH2	ES	-	Brown gravelly silty sandy clay	-	-	47
575863	-	BH2	ES	-	Brown slightly gravelly slightly sandy silty clay	-	-	78
575864	-	WS2	ES	-	Made Ground- dark brown slightly gravelly silty sand with rare brick fragments concrete	-	-	61



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Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

Sample Comments

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Comments
575852	-	BH1	ES	-	VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575853	-	BH2	ES	-	SVOC - 1/10 dark colour extract VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575854	-	BH1	ES	-	SVOC - 1/10 dark colour extract VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575855	-	BH2	ES	-	SVOC - 1/10 dark colour extract VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575856	-	WS1	ES	-	VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575857	-	WS1	ES	-	VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575858	-	WS2	ES	-	SVOC - 1/10 dark colour extract VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575859	-	WS4	ES	-	VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575860	-	WS5	ES	-	SVOC - 1/10 dark colour extract VOC - Sample taken from container with headspace. VPH/BTEX - Sample taken from container with headspace.
575861	-	BH1	ES	-	
575862	-	BH2	ES	-	
575863	-	BH2	ES	-	
575864	-	WS2	ES	-	



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Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

Analysis Methodologies - Please refer to sample comments page (if present) for any changes to methods

Test Code	Test Name / Reference	Sample condition for analysis	Sample Preparation	Test Details
ANIONSS	MS - CL - Anions by Aquakem (2:1Extract)	Oven dried	Passing 2mm test sieve	Determination of Anions (inc Sulphate, chloride etc.) in soils by Aquakem. Analysis is based on a 2:1 water to soil extraction ratio
SKALARCNS	MS - CL - Cyanide by Skalar	As received	Passing 10mm test sieve	Determination of cyanide (total / free / complex) in soil using a Skalar segmented flow analyser
SKALARHCS	MS - CL - Hexavalent Chromium by Skalar	As received	Passing 10mm test sieve	Determination of hexavalent chromium in soil using Skalar segmented flow analyser
ICPMETS	MS - CL - ICP Metals	Air dried	Passing 10mm test sieve	Determination of metals in soils via ICP
PHS	MS - CL - pH in Soils	As received	Passing 10mm test sieve	Determination of pH in soils using a pH probe (using a 1:3 soil to water extraction)
PAHASRDS	MS - CL - PAH (As Received)	As received	Passing 10mm test sieve	Determination of Polyaromatic hydrocarbons in soil via GC-MS
PHOHHPLCS	MS - CL - Phenols by HPLC (soil)	As received	Passing 10mm test sieve	Determination of speciated phenols in soil using HPLC
SVOCS	MS - CL - Semi VOC	As received	Passing 10mm test sieve	Determination of Semi volatile organic compounds in soil via GC-MS
SKALARPHS	MS - CL - Phenols by Skalar	As received	Passing 10mm test sieve	Determination of total phenols in soil using Skalar segmented flow analyser
ASSO4S	MS - CL - Acid Soluble Sulphate	Oven Dried	Passing 2mm test sieve	Determination of total sulphate in soils by acid extraction followed by ICP analysis
TOCS	MS - CL - TOC Eltra	Air Dried	Passing 10mm test sieve	Determination of Total Organic Carbon in soils
GCXGCS	MS - CL - TPH & EPH by GCXGC	As received	Passing 10mm test sieve	Determination of TPH and EPH in soils via GCxGC-FID
CWGS	Calculation from VPH-S and EPH-S	As received	Passing 10mm test sieve	Determination of TPH CWG (Volatile Petroleum Hydrocarbons and Extractable Petroleum Hydrocarbons) in soils via Headspace-GC-MS and GC-GC-FID respectively
VOCS	MS - CL - VOC and MBTEX	As received	Passing 10mm test sieve	Determination of VOCs (inc BTEX) in soils via Headspace-GC-MS
VPHS	MS - CL - VPH	As received	Passing 10mm test sieve	Determination of VPH in soils via Headspace-GC-MS
WSBORONS	MS - CL - WS Boron	Air dried	Passing 10mm test sieve	Determination of Water soluble Boron in soils via ICP
ASB	MS - AS - Asbestos	-	-	Fibre identification is in accordance with in house documented methods which are based on the procedure documented in the HSE Document HSG 248 "Asbestos: The analysts guide for sampling, analysis and clearance procedures"
FUELID	Chromatograph	-	-	In house review of scheduled hydrocarbon analysis based on chromatographs, results are qualitative and indicative only
SAMPLEPREP	MS - CL - Sample Preparation	-	-	Preparation of samples (including determination of moisture content) to allow for subsequent analysis
1377TS-ELT	BS1377 Total Sulphur Content by HTC	Oven dried	BS1377 : Part 1 : 2016	Total Sulphur Content testing of Soil in accordance with BS 1377 : Part 3 : 2018 + A1 : 2021 Clause 7.10 (using Eltra CS-800 Analyser)

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Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

Sample Deviations

Deviations are listed below against each sample and associated test method, where deviation(s) are noted it means data may not be representative of the sample at the time of sampling and it is possible that results provided may be compromised.

Observations on receipt

A - No date of sampling provided

W - No time of sampling provided for water sample

C - Received in inappropriate container

H - Contains headspace

T - Temperature on receipt exceeds storage temperature

R - Sample(s) received with less than 96 hours for testing to commence/complete, any result formally classed as deviating will be marked with an X against the applicable test (i.e. RX)

Observations whilst in laboratory

X - Exceeds sampling to extraction or analysis timescales

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Test	Deviations
575852	-	BH1	ES	-	MS - CL - pH in Soils	RX
575852	-	BH1	ES	-	MS - CL - VOC and MBTEX	RX
575852	-	BH1	ES	-	MS - CL - VPH	RX
575853	-	BH2	ES	-	MS - CL - pH in Soils	RX
575853	-	BH2	ES	-	MS - CL - VOC and MBTEX	RX
575853	-	BH2	ES	-	MS - CL - VPH	RX
575854	-	BH1	ES	-	MS - CL - pH in Soils	RX
575854	-	BH1	ES	-	MS - CL - VOC and MBTEX	RX
575854	-	BH1	ES	-	MS - CL - VPH	RX
575855	-	BH2	ES	-	MS - CL - pH in Soils	RX
575855	-	BH2	ES	-	MS - CL - VOC and MBTEX	RX
575855	-	BH2	ES	-	MS - CL - VPH	RX
575856	-	WS1	ES	-	MS - CL - pH in Soils	RX
575856	-	WS1	ES	-	MS - CL - VOC and MBTEX	RX
575856	-	WS1	ES	-	MS - CL - VPH	RX
575857	-	WS1	ES	-	MS - CL - pH in Soils	RX
575857	-	WS1	ES	-	MS - CL - VOC and MBTEX	RX
575857	-	WS1	ES	-	MS - CL - VPH	RX
575858	-	WS2	ES	-	MS - CL - pH in Soils	RX
575858	-	WS2	ES	-	MS - CL - VOC and MBTEX	RX
575858	-	WS2	ES	-	MS - CL - VPH	RX
575859	-	WS4	ES	-	MS - CL - pH in Soils	RX
575859	-	WS4	ES	-	MS - CL - VOC and MBTEX	RX
575859	-	WS4	ES	-	MS - CL - VPH	RX
575860	-	WS5	ES	-	MS - CL - pH in Soils	RX
575860	-	WS5	ES	-	MS - CL - VOC and MBTEX	RX
575860	-	WS5	ES	-	MS - CL - VPH	RX
575861	-	BH1	ES	-	MS - CL - pH in Soils	RX
575862	-	BH2	ES	-	MS - CL - pH in Soils	RX
575863	-	BH2	ES	-	MS - CL - pH in Soils	RX



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Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

Sample Deviations

Deviations are listed below against each sample and associated test method, where deviation(s) are noted it means data may not be representative of the sample at the time of sampling and it is possible that results provided may be compromised.

Observations on receipt

A - No date of sampling provided

W - No time of sampling provided for water sample

C - Received in inappropriate container

H - Contains headspace

T - Temperature on receipt exceeds storage temperature

R - Sample(s) received with less than 96 hours for testing to commence/complete, any result formally classed as deviating will be marked with an X against the applicable test (i.e. RX)

Observations whilst in laboratory

X - Exceeds sampling to extraction or analysis timescales

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Test	Deviations
575864	-	WS2	ES	-	MS - CL - pH in Soils	RX



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Project Reference - J3166 Tipton Waste Transfer Station, DY4 7BY

HWOL TPH Acronym Index

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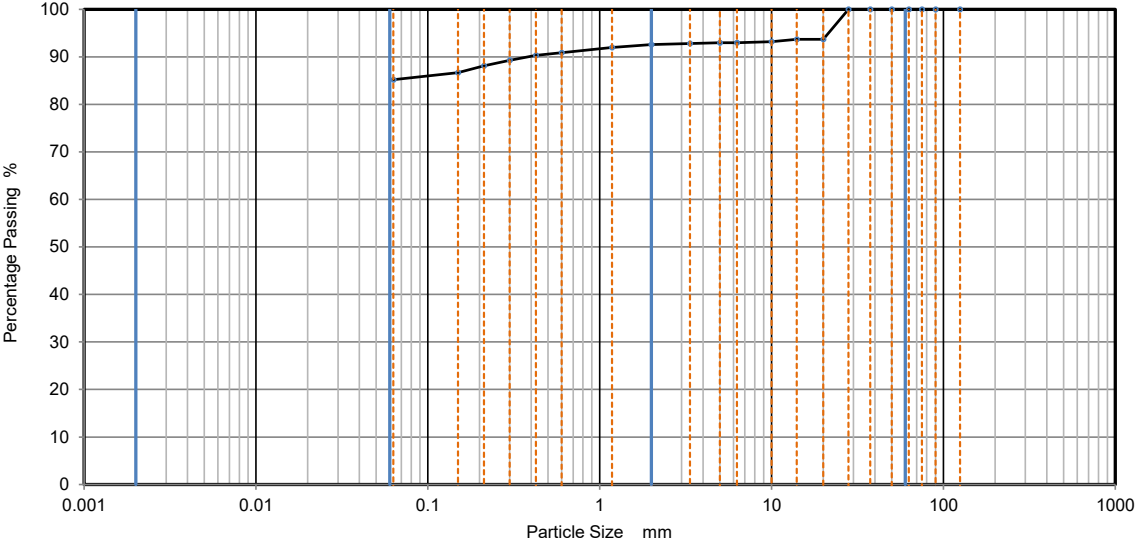
Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics and Aromatics
AL	Aliphatics Only
AR	Aromatics Only
2D	GC-GC - Double Coil Gas Chromatography
#1	EH_Total but with humics mathmatically subtracted
#2	EH_Total but with fatty acids mathmatically subtracted
_	Operator - underscore to separate acronyms (except for +)
+	Operator to indicate cumlative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry

APPENDIX 4 – GEOTECHNICAL LABORATORY TEST RESULTS

	PARTICLE SIZE DISTRIBUTION			Job Ref	37782
				Borehole/Pit No.	BH1
Site Name	Tipton Waste Transfer Station, DY4 7BY			Sample No.	-
Project No.	J3166	Client	Jomas Associates	Depth Top	9.00 m
Soil Description	Greyish brown and occasional grey slightly sandy slightly gravelly silty CLAY (gravel is medium to coarse and rounded)			Depth Base	- m
				Sample Type	D
				Samples received	20/08/2025
				Schedules received	20/08/2025
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	21/08/2025
				Date tested	19/09/2025

These results only apply to the items tested

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		



Percentage Passing %

Particle Size mm

Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	94		
14	94		
10	93		
6.3	93		
5	93		
3.35	93		
2	93		
1.18	92		
0.6	91		
0.425	90		
0.3	89		
0.212	88		
0.15	87		
0.063	85		

Sample Proportions		% dry mass
Very coarse		0
Gravel		8
Sand		7
Fines <0.063mm		85

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

Preparation and testing in accordance with ISO17892 Part 4 unless noted below

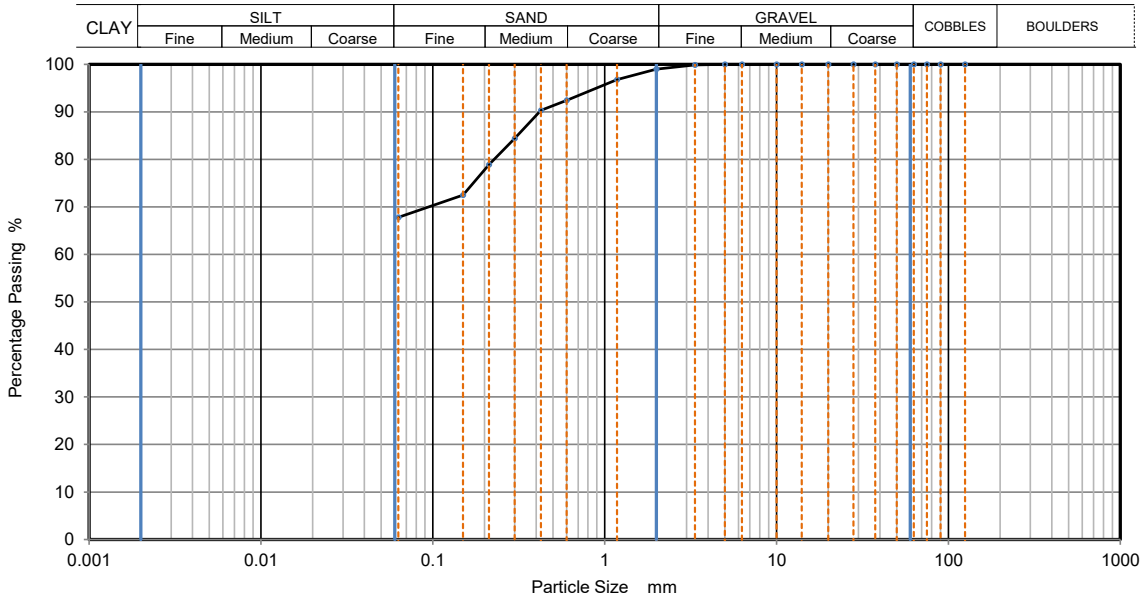
NOTE: The report shall not be reproduced except in full without approval of the laboratory

	K4 Soils Laboratory Unit 8, Olds Close, Watford, Herts, WD18 9RU Email: james@k4soils.com Tel: 01923 711288		Checked and Approved Initials: J.P Date: 30/09/2025
	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R3
	2519		



PARTICLE SIZE DISTRIBUTION

Job Ref			37782		
			BH1		
Site Name			Tipton Waste Transfer Station, DY4 7BY		
Project No.			J3166	Client	Jomas Associates
Soil Description			Depth Top		
			11.00 m		
			Depth Base		
			- m		
			Sample Type		
			D		
			Samples received		
			20/08/2025		
			Schedules received		
			20/08/2025		
Test Method			BS EN ISO 17892 Part 4: 2016		
These results only apply to the items tested			Project started		
			21/08/2025		
			Date tested		
			19/09/2025		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	99		
1.18	97		
0.6	92		
0.425	90		
0.3	84		
0.212	79		
0.15	73		
0.063	68		

Sample Proportions	% dry mass
Very coarse	0
Gravel	1
Sand	31
Fines <0.063mm	68

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
Preparation and testing in accordance with ISO17892 Part 4 unless noted below

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K4 Soils Laboratory

Unit 8, Olds Close, Watford, Herts, WD18 9RU

Email: james@k4soils.com

Tel: 01923 711288

Checked and Approved

Initials: J.P

Date: 30/09/2025

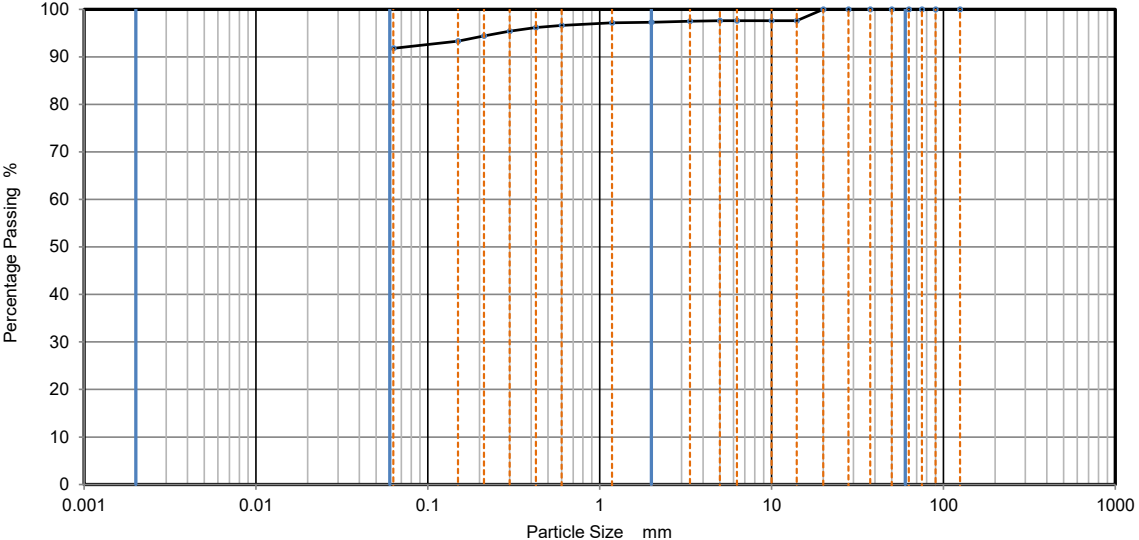
2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

MSF-5-R3

	PARTICLE SIZE DISTRIBUTION			Job Ref	37782
				Borehole/Pit No.	BH2
Site Name	Tipton Waste Transfer Station, DY4 7BY			Sample No.	-
Project No.	J3166	Client	Jomas Associates	Depth Top	10.00 m
Soil Description	Greyish brown and grey slightly sandy silty CLAY with rare fm sub-rounded gravel			Depth Base	- m
				Sample Type	D
				Samples received	20/08/2025
				Schedules received	20/08/2025
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	21/08/2025
These results only apply to the items tested				Date tested	19/09/2025

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	98		
10	98		
6.3	98		
5	98		
3.35	98		
2	97		
1.18	97		
0.6	97		
0.425	96		
0.3	95		
0.212	94		
0.15	93		
0.063	92		

Sample Proportions		% dry mass
Very coarse		0
Gravel		3
Sand		5
Fines <0.063mm		92

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

Preparation and testing in accordance with ISO17892 Part 4 unless noted below

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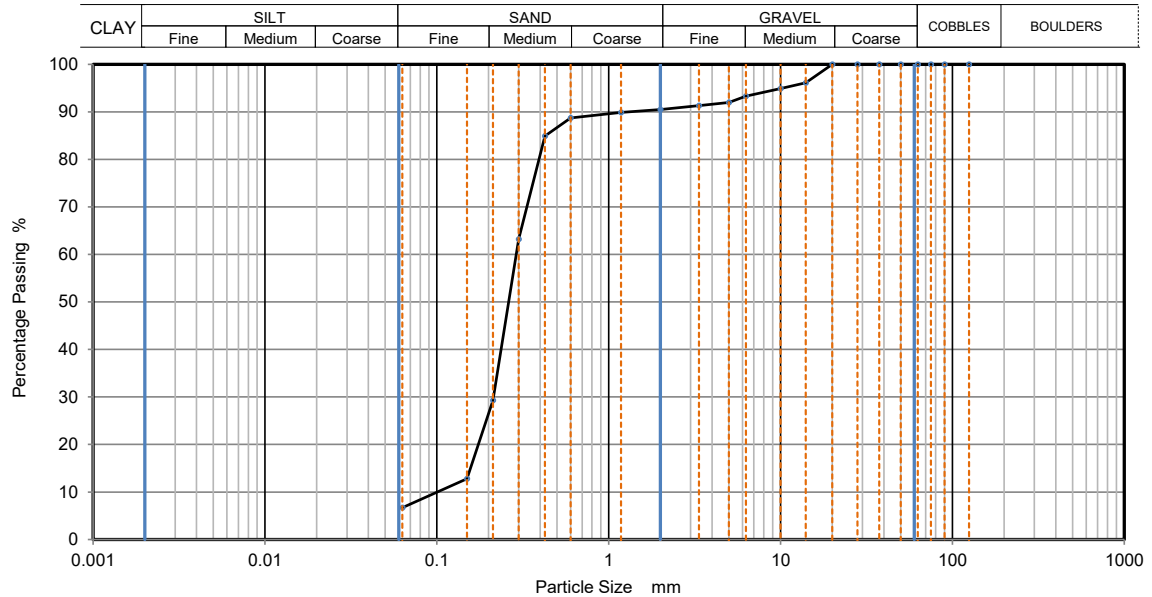
	K4 Soils Laboratory Unit 8, Olds Close, Watford, Herts, WD18 9RU Email: james@k4soils.com Tel: 01923 711288		Checked and Approved Initials: J.P Date: 30/09/2025
	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R3
	2519		



PARTICLE SIZE DISTRIBUTION

	PARTICLE SIZE DISTRIBUTION			Job Ref	37782	
				Borehole/Pit No.	WS2	
Site Name	Tipton Waste Transfer Station, DY4 7BY			Sample No.	-	
Project No.	J3166	Client	Jomas Associates	Depth Top	3.80	m
Soil Description	Dark grey, black and occasional brown slightly clayey silty gravelly SAND (gravel is fm and sub-angular)			Depth Base	-	m
				Sample Type	D	
				Samples received	20/08/2025	
				Schedules received	20/08/2025	
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	21/08/2025	
These results only apply to the items tested				Date tested	19/09/2025	

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	96		
10	95		
6.3	93		
5	92		
3.35	91		
2	91		
1.18	90		
0.6	89		
0.425	85		
0.3	63		
0.212	29		
0.15	13		
0.063	7		

Sample Proportions	% dry mass
Very coarse	0
Gravel	10
Sand	83
Fines <0.063mm	7

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	2.9
Curvature Coefficient	1.6

Remarks

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K4 Soils Laboratory

Unit 8, Olds Close, Watford, Herts, WD18 9RU

Email: james@k4soils.com

Tel: 01923 711288

Checked and Approved

Initials: J.P

Date: 30/09/2025

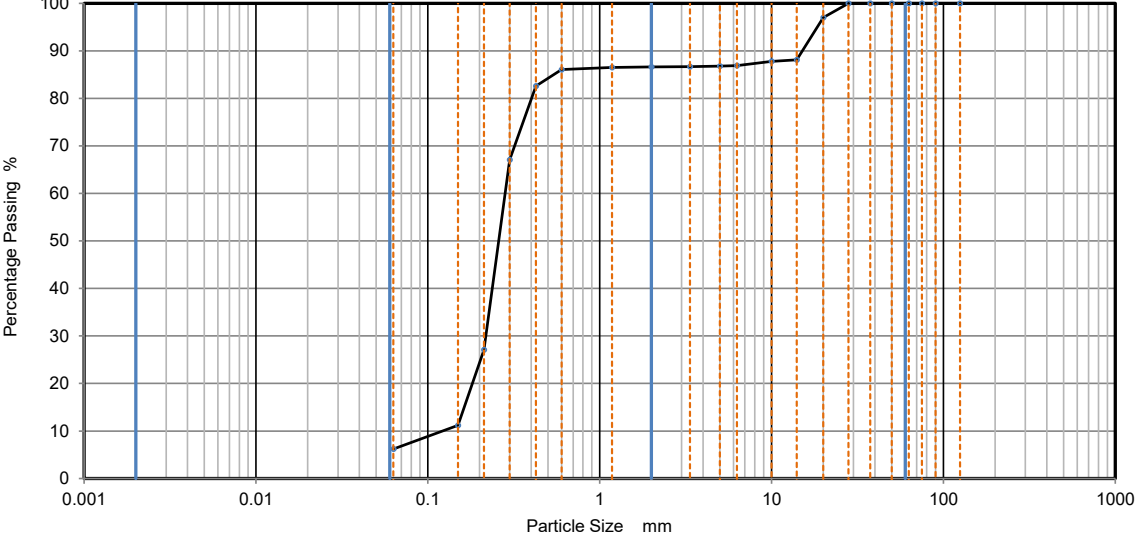
2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

MSF-5-R3

	PARTICLE SIZE DISTRIBUTION			Job Ref	37782
				Borehole/Pit No.	WS4
Site Name	Tipton Waste Transfer Station, DY4 7BY			Sample No.	-
Project No.	J3166	Client	Jomas Associates	Depth Top	2.85 m
Soil Description	Dark grey and black silty gravelly SAND (gravel is medium to coarse and sub-angular)			Depth Base	- m
				Sample Type	D
				Samples received	20/08/2025
				Schedules received	20/08/2025
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	21/08/2025
These results only apply to the items tested				Date tested	19/09/2025

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	97		
14	88		
10	88		
6.3	87		
5	87		
3.35	87		
2	87		
1.18	87		
0.6	86		
0.425	83		
0.3	67		
0.212	27		
0.15	11		
0.063	6		

Sample Proportions		% dry mass
Very coarse		0
Gravel		13
Sand		81
Fines <0.063mm		6

Grading Analysis		
D100	mm	
D60	mm	0.282
D30	mm	0.217
D10	mm	0.121
Uniformity Coefficient		2.3
Curvature Coefficient		1.4

Remarks
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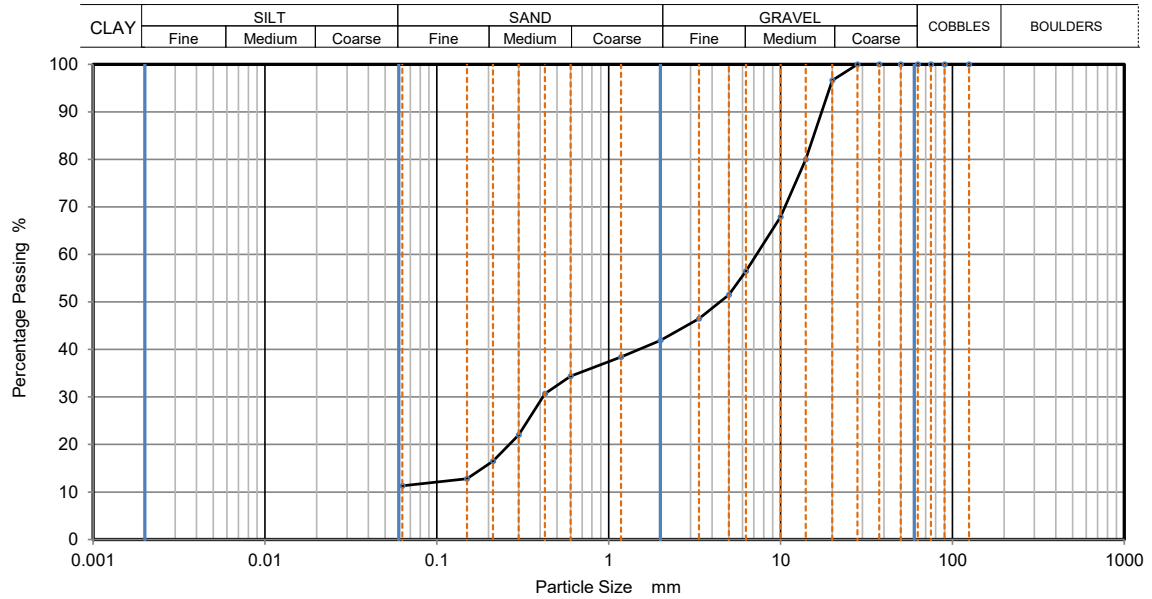
	K4 Soils Laboratory Unit 8, Olds Close, Watford, Herts, WD18 9RU Email: james@k4soils.com Tel: 01923 711288		Checked and Approved Initials: J.P Date: 30/09/2025
	2519 Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R3



PARTICLE SIZE DISTRIBUTION

	PARTICLE SIZE DISTRIBUTION			Job Ref	37782
				Borehole/Pit No.	WS5
Site Name	Tipton Waste Transfer Station, DY4 7BY			Sample No.	-
Project No.	J3166	Client	Jomas Associates	Depth Top	0.90 m
Soil Description	Brownish grey clayey silty very sandy GRAVEL (gravel is fmc and sub angular to rounded)			Depth Base	- m
				Sample Type	D
				Samples received	20/08/2025
				Schedules received	20/08/2025
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	21/08/2025
These results only apply to the items tested				Date tested	19/09/2025

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	97		
14	80		
10	68		
6.3	57		
5	52		
3.35	47		
2	42		
1.18	38		
0.6	34		
0.425	31		
0.3	22		
0.212	17		
0.15	13		
0.063	11		

Sample Proportions	% dry mass
Very coarse	0
Gravel	58
Sand	31
Fines <0.063mm	11

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

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K4 Soils Laboratory

Unit 8, Olds Close, Watford, Herts, WD18 9RU

Email: james@k4soils.com

Tel: 01923 711288

Checked and Approved

Initials: J.P

Date: 30/09/2025

2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

MSF-5-R3

[illegible]

 UKAS TESTING	Test Methods: BS EN ISO 17892 Part 1: 2014+A1:2022 Water content Part 12: 2018+A2:2022 Liquid & plastic limit	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU	Checked and Approved Initials J.P Date: 30/09/2022
	These results only apply to the items tested NOTE: The report shall not be reproduced except in full without authority of the laboratory	Tel: 01923 711 288 Email: James@k4soils.com	
2519	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		



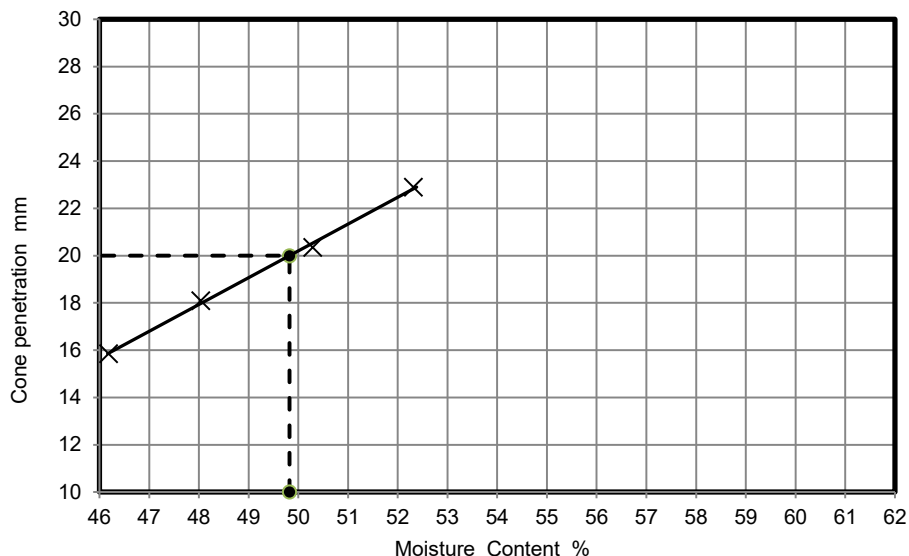
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	37782
Borehole/Pit No.	BH1
Sample No.	-
Depth Top	6.00 m
Depth Base	- m
Sample Type	D
Samples received	20/08/2025
Schedules received	20/08/2025
Project Started	21/08/2025
Date Tested	22/09/2025

Site Name Tipton Waste Transfer Station, DY4 7BY

Project No. J3166 Client Jomas Associates

Soil Description Brown and dark grey slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular)

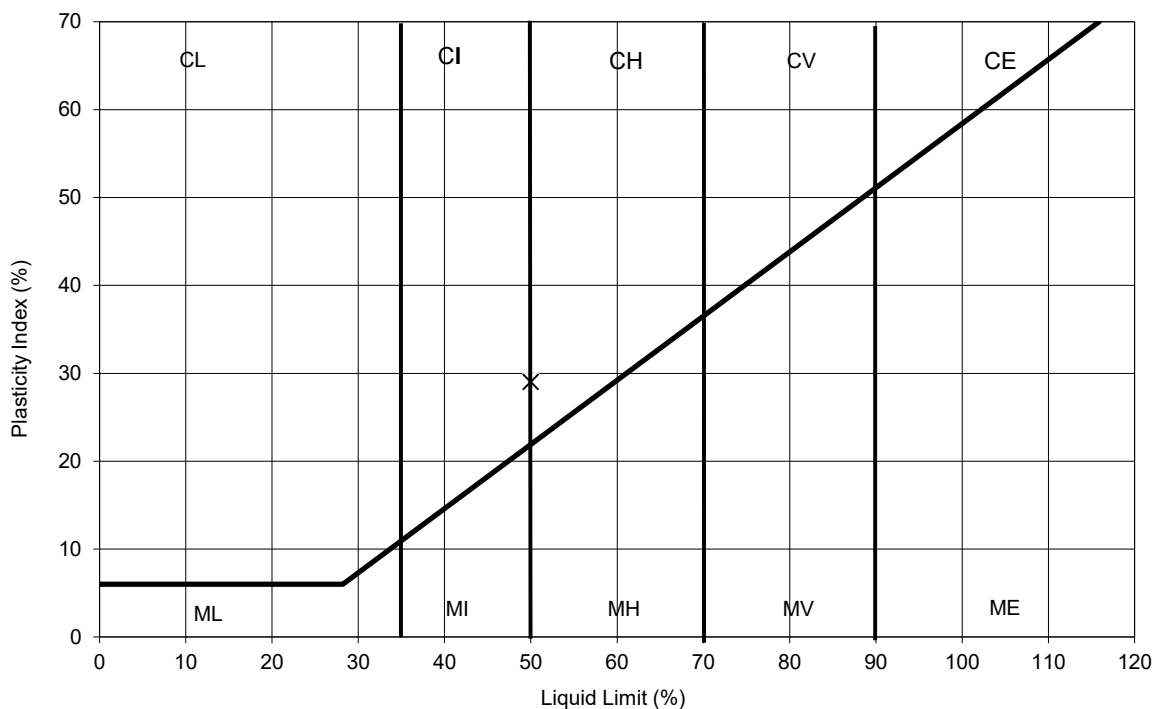


WATER CONTENT	19.5	%
% PASSING 425µm SIEVE	46	%
LIQUID LIMIT	50	%
PLASTIC LIMIT	21	%
PLASTICITY INDEX	29	%

Preparation Method	Tested after washing to remove >425µm
--------------------	---------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

Checked and Approved

Initials: J.P

Date: 30/09/2025

MSF-5 R2

APPENDIX 5 – SOIL GAS MONITORING RESULTS

GAS AND GROUNDWATER MONITORING BOREHOLE RECORD SHEET					
Site: Tipton Waste Transfer	Operative(s): BKS	Date: 26/08/2025	Time: 12:30	Round: 1 st	Page: 1
MONITORING EQUIPMENT					
Instrument Type	Instrument Make	Serial No.	Date Last Calibrated		
Analox	GA5000				
		G501805	24/03/2025		
PID	Phocheck tiger	T-106448	21/09/2024		
Dip Meter	GeoTech				
MONITORING CONDITIONS					
Weather Conditions: Sunny		Ground Conditions: Dry	Temperature: 22°C		
Barometric Pressure (mbar): 992		Barometric Pressure Trend (24hr): Falling	Ambient Concentration: 0.1 %CH ₄ , 0.1 %CO ₂ , 21.0 %O ₂		

[illegible]

GAS AND GROUNDWATER MONITORING BOREHOLE RECORD SHEET

Site: Tipton Waste Transfer	Operative(s): PLN/BKS	Date: 04/09/25	Time: 11:45	Round: 2nd	Page: 1
------------------------------------	------------------------------	-----------------------	--------------------	-------------------	----------------

MONITORING EQUIPMENT

Instrument Type	Instrument Make	Serial No.	Date Last Calibrated
Analox	GA5000		
		G501805	24/03/2025
PID	Phocheck tiger	T-106448	21/09/2024
Dip Meter	GeoTech		

MONITORING CONDITIONS

Weather Conditions: Overcast	Ground Conditions: Damp	Temperature: 14°C
Barometric Pressure (mbar): 988	Barometric Pressure Trend (24hr): Rising	Ambient Concentration: 0.1%CH ₄ , 0.1%CO ₂ , 21.0 %O ₂

MONITORING RESULTS

[illegible]

GAS AND GROUNDWATER MONITORING BOREHOLE RECORD SHEET

Site: Tipton Waste Transfer	Operative(s): PLN/BKS	Date: 17/09/25	Time: 12:00	Round: 3	Page: 1
------------------------------------	------------------------------	-----------------------	--------------------	-----------------	----------------

MONITORING EQUIPMENT

Instrument Type	Instrument Make	Serial No.	Date Last Calibrated
<i>Analox</i>	GFM436	12103	05/06/25
<i>PID</i>	Phocheck tiger	T-106448	21/09/2024
<i>Dip Meter</i>	GeoTech		

MONITORING CONDITIONS

Weather Conditions: Rainy	Ground Conditions: Wet	Temperature: 17.7°C
Barometric Pressure (mbar): 995	Barometric Pressure Trend (24hr): Falling	Ambient Concentration: 0.0% CH ₄ , 0.0% CO ₂ , 21.0% O ₂

MONITORING RESULTS

[illegible]

APPENDIX 6 – GROUNDWATER SAMPLING RECORDS

LOW FLOW GROUNDWATER MONITORING BOREHOLE RECORD SHEET

Site: Tipton Waste Transfer Station	Operative(s): PLN / BKS	Date: 04/09/25	Time: 1	Round: 2	Page: 1 of 1
MONITORING EQUIPMENT					
Instrument Type	Instrument Make	Serial No.	Date Last Calibrated		
<i>SmarTROLL MP</i>	In-Situ	674243	Prior to use		
<i>Dip Meter</i>	In-Situ				
MONITORING CONDITIONS					
Weather Conditions: Overcast		Ground Conditions: Damp		Temperature: 14°C	

Hole ID	Temperature (°C)	Specific Conductivity (µS/cm)	pH	(ORP) Oxidation-Reduction Potential (mV)	(RDO) Rugged Dissolved Oxygen Concentration (mg/L)	Depth to product – NB do not sample if present	Water Level (Start of testing)	Water Level (End of testing)	Depth to base of well (m)	Sample depth (tube intake depth) – (m)	Comments
BH2	15.87	1662.5	6.83	167.2	6.64	-	3.99	4.20	5.78	4.5	All parameters stable after 11 minutes. Very turbid (black).

Specific Conductivity ($\mu\text{S}/\text{cm}$)

This is a measure of the capability of a solution such as water in a stream to pass an electric current. This is an indicator of the concentration of dissolved electrolyte ions in the water. It doesn't identify the specific ions in the water. However, significant increases in conductivity may be an indicator that polluting discharges have entered the water.

Every creek will have a baseline conductivity depending on the local geology and soils. Higher conductivity will result from the presence of various ions including nitrate, phosphate, and sodium.

The basic unit of measurement for conductivity is micromhos per centimetre ($\mu\text{mhos}/\text{cm}$) or micro Siemens per centimetre ($\mu\text{S}/\text{cm}$). Either can be used, they are the same. It is a measure of the inverse of the amount of resistance an electric charge meets in traveling through the water. Distilled water has a conductivity ranging from 0.5 to 3 $\mu\text{S}/\text{cm}$, while most streams range between 50 to 1500 $\mu\text{S}/\text{cm}$. Freshwater streams ideally should have a conductivity between 150 to 500 $\mu\text{S}/\text{cm}$ to support diverse aquatic life.

pH

A measure of a solution's acidity. In water, small numbers of water molecules (H_2O) will break apart or disassociate into hydrogen ions (H^+) and hydroxide ions (OH^-). Other compounds entering the water may react with these, leaving an imbalance in the numbers of hydrogen and hydroxide ions. When more hydrogen ions react, more hydroxide ions are left in solution and the water is basic; when more hydroxide ions react, more hydrogen ions are left and the water is acidic. pH is a measure of the number of hydrogen ions and thus a measure of acidity.

pH is measured on a logarithmic scale between 1 and 14 with 1 being extremely acid, 7 neutral, and 14 extremely basic. Because it is a logarithmic scale there is a tenfold increase in acidity for a change of one unit of pH, e.g. 5 is 100 times more acid than 7 on the pH scale. The largest variety of freshwater aquatic organisms prefer a pH range between 6.5 to 8.0.

(RDO) Rugged Dissolved Oxygen Concentration (mg/L)

Dissolved oxygen is oxygen gas molecules (O_2) present in the water. Plants and animals cannot directly use the oxygen that is part of the water molecule (H_2O), instead depending on dissolved oxygen for respiration. Oxygen enters streams from the surrounding air and as a product of photosynthesis from aquatic plants. Consistently high levels of dissolved oxygen are best for a healthy ecosystem.

Levels of dissolved oxygen vary depending on factors including water temperature, time of day, season, depth, altitude, and rate of flow. Water at higher temperatures and altitudes will have less dissolved oxygen. Dissolved oxygen reaches its peak during the day. At night, it decreases as photosynthesis has stopped while oxygen consuming processes such as respiration, oxidation, and respiration continue, until shortly before dawn.

Human factors that affect dissolved oxygen in streams include addition of oxygen consuming organic wastes such as sewage, addition of nutrients, changing the flow of water, raising the water temperature, and the addition of chemicals.

Dissolved oxygen is measured in mg/L.

0-2 mg/L: not enough oxygen to support life.

2-4 mg/L: only a few fish and aquatic insects can survive.

4-7 mg/L: good for many aquatic animals, low for cold water fish

7-11 mg/L: very good for most stream fish

(ORP) Oxidation- Reduction Potential (mV)

ORP is a measure of the cleanliness of the water & its ability to break down contaminants". It has a range of –2,000 to + 2,000 and units are in “mV” (millivolts).

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JOMAS ASSOCIATES LTD

Unit 24 Sarum Complex

Salisbury Road

Uxbridge

UB8 2RZ

CONTACT US

Website: www.jomasassociates.com

Tel: 0333 305 9054

Email: info@jomasassociates.com



APPENDIX 6

Reference Ground Conditions

Table 1 - Soil Sampling Data

Determinand	Samples	Min. (mg/kg)	Max. (mg/kg)	
Test Results - Metals, Metalloids, Phenol, Cyanide				
Arsenic	9	<10	20	
Cadmium		1.1	3.3	
Chromium		7.0	160	
Lead		57	400	
Mercury		<2.5	<2.5	
Nickel		13	77	
Copper		25	230	
Zinc		100	1000	
Total Cyanide A		<1	<1	
Selenium		<8.0	<8.0	
Boron Water Soluble		<2.5	9.6	
Phenols		<1	<1	
Polycyclic Aromatic Hydrocarbons (PAHs)				
Naphthalene	9	<0.02	0.38	
Acenaphthylene		<0.02	0.05	
Acenaphthene		<0.02	0.15	
Fluorene		<0.02	0.11	
Phenanthrene		0.22	1.4	
Anthracene		0.05	0.55	
Fluoranthene		0.15	2.3	
Pyrene		0.13	2.2	
Benzo(a)anthracene		0.08	1.2	
Chrysene		0.11	1.6	
Benzo(b)fluoranthene		0.11	2.7	
Benzo(k)fluoranthene		0.02	0.78	
Benzo(a)pyrene		0.06	2.6	
Indeno(123-cd)pyrene		0.03	1.6	
Dibenzo(ah)anthracene		<0.02	0.25	
Benzo(ghi)perylene		0.06	2.2	
Total PAH		1.4	19	
Total Petroleum Hydrocarbons (TPHCWG)				
>C5-C6 Aliphatic	9	< 0.06	0.12	
>C6-C8 Aliphatic		< 0.06	0.34	
>C8-C10 Aliphatic		< 0.06	0.08	
>C10-C12 Aliphatic		< 1.0	6.3	
>C12-C16 Aliphatic		3.1	15	
>C16-C21 Aliphatic		7.5	41	
>C21-C35 Aliphatic		14	140	
>C34-C44 Aliphatic		<5.0	31	
>C5-C7 Aromatic		<0.01	0.03	
>C7-C8 Aromatic		<0.01	0.04	
>C8-C10 Aromatic		<0.06	<0.06	
>C10-C12 Aromatic		<1.0	3.1	
>C12-C16 Aromatic		1.9	18	
>C16-C21 Aromatic		7.9	64	
>C21-C35 Aromatic		26	260	
>C35-C44 Aromatic		<5.0	88	
Total TPH (Ali/Aro)		84	470	
Volatile Organic Compounds (VOCs)				
Benzene		9	<0.01	0.03
Toluene			<0.01	0.04
o-Xylene	<0.01		0.02	
Chloromethane	<0.02		0.02	
Dichloromethane	<0.10		0.29	
Cis 1,2 Dichloroethylene	<0.01		0.03	
Trichloroethylene	<0.01		0.09	
Semi Volatile Organic Compounds (SVOCs)				
2-Methylnaphthalene	9	<0.2	0.3	
Acenaphthene		<0.1	5.0	
Anthracene		<0.1	8.7	
Benzo[a]anthracene		<0.1	15	
Benzo(ghi)perylene		<0.1	7.7	
Benzo[a]pyrene		<0.2	16	
Benzo[b]fluoranthene		0.1	15	
Benzo[k]fluoranthene		<0.1	8.2	
Bis(2-ethylhexyl) phthalate		0.5	5.8	
Chrysene		<0.1	9.9	

Dibenzofuran		<0.1	1.9
Dibutyl phthalate		<0.1	9.1
Fluoranthene		0.2	37
Fluorene		<0.1	2.9
Indeno[1,2,3-cd]pyrene		<0.2	11
Naphthalene		<0.1	<1.0
Phenanthrene		0.3	26
Phenol		<0.1	<1.0
Pyrene		0.1	27
Screening Guide for Water Pipes			
Total VOCs	9	<1.11	0.41
BTEX		<0.06	0.13
MTBE		<0.01	<0.01
EC5-EC10		<0.26	0.54
EC10-EC16		<7	41.4
EC16-EC44		<88.1	549
Naphthalene		<0.02	0.38
Phenols		<0.80	<0.80

Table 2 – Groundwater Sampling Data

	Samples	Result (µg/l)
Polycyclic Aromatic Hydrocarbons (PAHs)		
Naphthalene	1	<0.20
Acenaphthylene		<0.20
Acenaphthene		<0.20
Fluorene		<0.20
Phenanthrene		<0.20
Anthracene		<0.20
Fluoranthene		<0.20
Pyrene		<0.20
Benzo(a)anthracene		<0.20
Chrysene		<0.20
Benzo(b)fluoranthene		<0.20
Benzo(k)fluoranthene		<0.20
Benzo(a)pyrene		<0.20
Dibenzo(ah)anthracene		<0.20
Benzo(ghi)perylene		<0.20
Sum of four Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(ghi)perylene Indeno(123-cd)pyrene		<0.80
TPHCWG & BTEX - Controlled Waters		
Benzene		<6.0
Toluene		<6.0
Ethylbenzene		<6.0
Xylenes (total)		<18.0
MTBE		<6.0
>C5-C6 Aliphatic		< 6.00
>C6-C8 Aliphatic		< 6.00
>C8-C10 Aliphatic		< 6.00
>C10-C12 Aliphatic		< 10.00
>C12-C16 Aliphatic		58.4
>C16-C21 Aliphatic		185
>C21-C35 Aliphatic		1750
>C5-C7 Aromatic		3.00
>C7-C8 Aromatic		3.18
>C8-C10 Aromatic		12.3
>C10-C12 Aromatic		< 10.00
>C12-C16 Aromatic		< 20.00
>C16-C21 Aromatic		39.4
>C21-C35 Aromatic		303
Groundwater Analysis Results (VOCs and SVOCs)		
2,4-Dimethylphenol	1	5.49
2-Methylphenol		7.52
3/4-Methylphenol		7.17
Benzo(a)pyrene		4.39
Bis(2-ethylhexyl) phthalate		18.7
Fluoranthene		8.42

Indeno[1,2,3-cd]pyrene		4.65
Phenanthrene		6.64
Phenol		24.6
Pyrene		7.41
>C8-C10 Aromatic		12.3
>C16-C21 Aromatic		39.4
>C21-C35 Aromatic		303
Groundwater Vapour		
Fluoranthene	1	<0.20
Sum of four Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(ghi)perylene Indeno(123-cd)pyrene		<0.80
Benzo(a)pyrene		<0.20
Phenol		24.6
>C12-C16 Aliphatic		58.4
>C16-C21 Aliphatic		185
>C21-C35 Aliphatic		1750
>C5-C7 Aromatic		3
>C7-C8 Aromatic		3.18
>C8-C10 Aromatic		12.3
>C16-C21 Aromatic		39.4
>C21-C35 Aromatic		303
Groundwater Analysis Results – Metals, Metalloids, Phenol, Cyanide		
Arsenic	1	46.5
Cadmium		< 0.20
Chromium		0.37
Lead		2.28
Nickel		7.97
Copper		1.37
Zinc		11.1
Mercury		0.099
Selenium		9.76
Boron		2160
Cyanide (Total)		45
Phenols (Total)		453

Table 3 - Gas Monitoring Data

Hole No.	No. of Monitoring Events	CH4 (%)	CO2 (%)	O2 (%)	VOCs (ppm)	Steady Flow Rate (l/hr)	Peak Flow Rate	Depth to Water (mbgl)	Well response zone (mbgl)	Strata
Summary of Gas Monitoring Data										
WS1	3	<0.1-0.1	0.2 – 0.3	20.5 – 20.9	0.0	<0.1 – +0.5	<0.1 – +0.5	DRY	1 – 5	Made Ground
WS4	3	4.7-10.6	3.9 – 14.5	1.8 – 7.7	0.3 – 1.2	<0.1 – +0.5	<0.1 – +0.5	DRY	1 – 3	Made Ground/ Etruria Formation
BH2	3	4.8 – 11.4	<0.1	3.2 – 12.5	0.2 – 2.0	<0.1 – +0.5	<0.1 – +0.5	3.98 – 3.99	1 – 8	Made Ground



APPENDIX 7

Drainage Survey



PROPOSED DRAINAGE PLAN

SCALE @ A1: 1:250
SCALE @ A3: 1:500

EXISTING FOUL WATER MANHOLE SCHEDULE					
REF.	TYPE	COVER LEVEL	INVERT LEVEL	SIZE	REMARKS
Ex. F1.0	TBC ON SITE	+127.25	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. F1.1	TBC ON SITE	+127.23	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. F1.2	TBC ON SITE	+127.27	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. F2.0	TBC ON SITE	+127.31	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. F2.1	TBC ON SITE	+126.27	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. F2.2	TBC ON SITE	+126.27	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.

EXISTING SURFACE WATER MANHOLE SCHEDULE					
REF.	TYPE	COVER LEVEL	INVERT LEVEL	SIZE	REMARKS
Ex. S1.0	TBC ON SITE	+126.85	+125.40	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S1.1	TBC ON SITE	+126.47	+124.78	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S1.2	TBC ON SITE	+125.52	+124.32	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S1.3	TBC ON SITE	+125.66	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S2.0	TBC ON SITE	+127.12	+125.54	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S2.1	TBC ON SITE	+126.34	+124.95	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S2.2	TBC ON SITE	+126.19	+123.49	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S2.3	TBC ON SITE	+126.22	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S2.4	TBC ON SITE	+126.34	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S3.0	TBC ON SITE	+127.12	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S3.1	TBC ON SITE	+127.25	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S4.0	TBC ON SITE	+127.05	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S4.1	TBC ON SITE	+127.16	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S4.2	TBC ON SITE	+127.24	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S5.0	TBC ON SITE	+126.30	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S6.0	TBC ON SITE	+125.39	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S7.0	TBC ON SITE	+126.16	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S8.0	TBC ON SITE	+126.22	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S8.1	TBC ON SITE	+126.29	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S8.2	TBC ON SITE	TBC	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S8.3	TBC ON SITE	+126.47	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S9.0	TBC ON SITE	+126.22	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S10	TBC ON SITE	+126.11	+124.21	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S11	TBC ON SITE	+126.47	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S12	TBC ON SITE	+127.47	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S12.1	TBC ON SITE	+127.10	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. S12.2	TBC ON SITE	+126.48	+126.51	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.

EXISTING COMBINED MANHOLE SCHEDULE					
REF.	TYPE	COVER LEVEL	INVERT LEVEL	SIZE	REMARKS
Ex. C1.0	TBC ON SITE	+127.03	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. C1.1	TBC ON SITE	+127.13	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. C1.2	TBC ON SITE	+126.65	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.
Ex. C1.3	TBC ON SITE	+126.21	TBC	TBC ON SITE	TYPE, SIZE & INVERT TBC ON SITE. NOTE MANHOLE DISCHARGE PIPE INVERT LEVEL CONSIDERED AS MANHOLE INVERT LEVEL.

PROPOSED SURFACE WATER MANHOLE SCHEDULE					
REF.	TYPE	COVER LEVEL	INVERT LEVEL	SIZE	REMARKS
S1.0	TBC	+126.890	TBC	TBC	MANHOLE COVER LEVEL TBC
S1.1	TBC	+126.650	TBC	TBC	MANHOLE COVER LEVEL TBC
S2.0	TBC	+127.280	TBC	TBC	MANHOLE COVER LEVEL TBC
S2.1	TBC	+127.350	TBC	TBC	MANHOLE COVER LEVEL TBC
S2.2	TBC	+127.270	TBC	TBC	MANHOLE COVER LEVEL TBC
S2.3	TBC	+127.810	TBC	TBC	MANHOLE COVER LEVEL TBC
S2.4	TBC	+127.600	TBC	TBC	MANHOLE COVER LEVEL TBC

- NOTE:**
- EXACT SET OUT LOCATION OF SVPs TO BE CONFIRMED BY ARCHITECT
 - MINIMUM GRADIENT OF FOUL DRAINAGE TO BE 100mm @ 1:80 OR 150mm @ 1:100
 - CONTRACTOR TO ENSURE THAT WORKS DO NOT AFFECT EXISTING FOUL AND SURFACE RUNS FROM OTHER PROPERTIES. EXISTING SERVICES TO BE KEPT LIVE AT ALL TIMES FOR THE DURATION OF THE WORK
 - INTERNAL MANHOLES AND ACCESS JUNCTIONS TO BE FITTED WITH RECESSED DOUBLE SEALED MANHOLE COVERS TO TAKE FLOOR FINISHES IF REQUIRED
 - TRAPPED CONNECTIONS TO BE PROVIDED TO ALL ABOVE GROUND FOUL DRAINAGE BY CONTRACTOR
 - AIR ADMITTANCE VALVES TO BE PROVIDED BY CONTRACTORS AND TO BE PROVIDED TO ALL GROUND FLOOR SVPs NOT CONNECTED TO A SOIL STACK
 - RODDING ACCESS TO BE PROVIDED BY CONTRACTOR AT ALL ABOVE GROUND DRAINAGE POP UP LOCATIONS. REFER TO SUB STACK DETAIL FOR FURTHER INFORMATION
 - EXISTING DRAINAGE INFORMATION SUBJECT TO CONFIRMATION BY CONTRACTOR VIA OPENING UP WORKS ON SITE
 - PUMPED FOUL AND SURFACE WATER DRAINAGE SYSTEMS TO BE FITTED WITH A SUITABLE WARNING SYSTEM GIVING VISUAL AND/OR AUDIBLE SIGNALS TO INDICATE SYSTEM MALFUNCTION
 - A NOTICE PLATE SHOULD BE PROVIDED IN THE OFFICE CONFIRMING TYPE OF WASTE SYSTEM AND MAINTENANCE PERIODS. THE LABEL SHALL BE ROBUST IDEALLY MARKED AND SECURELY FIXED IN AN UNOBTUSIVE BUT OBVIOUS POSITION WITHIN THE BUILDING

- NOTES:**
- ALL EXISTING FOUL AND STORM WATER PIPES TO BE MIN. 150mm @ U.N.O.
 - INVERTS OF MANHOLES ASSUMED BASED ON SURVEY INFORMATION PROVIDED. ALL INVERT AND COVER LEVELS OF EXISTING MANHOLES TO BE CONFIRMED BY CONTRACTOR AND REPORTED TO THE DRAINAGE DESIGN ENGINEER PRIOR TO COMMENCEMENT OF WORKS
 - EXISTING PUBLIC SEWER LAYOUT IN CHIMNEY ROAD TO BE PROVIDED BY CCTV SURVEYOR AND REPORTED TO THE DRAINAGE DESIGN ENGINEER PRIOR TO COMMENCEMENT OF WORKS
 - ALL PROPOSED SVP AND STORM WATER POP-UP LOCATION FOR THE PROPOSED:
 - PROCESS FACILITY 1 AND 2
 - DISPOSABLE STORAGE DISPOSAL FACILITY
 - PROPOSED WELFARE FACILITY
 - PROPOSED OFFICE BLOCK
 - TO BE PROVIDED BY CONTRACTOR/ARCHITECT AND REPORTED TO THE DRAINAGE DESIGN ENGINEER PRIOR COMMENCEMENT OF WORKS

NOTE:
ALL COVER LEVELS AND PUBLIC SEWER INVERT LEVELS SUBJECT TO SITE CONFIRMATION BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

DESIGN RAINFALL INTENSITY:
SURFACE RUNOFF (1/50 YEARS) = 533 l/s
SURFACE RUNOFF (1/100 YEARS) = 616 l/s

EXISTING DRAINAGE REPAIR WORKS GRADE KEY			
★	GRADE 3: REPAIR/MAINTAIN IN THE MEDIUM TERM		
★	GRADE 4: IMMEDIATE REPAIR PRIOR TO PROPOSED DRAINAGE INSTALLED		
★	GRADE 5: CRITICAL AND IMMEDIATE REPAIR REQUIRED TO AVOID IMMEDIATE COLAPSE PRIOR TO PROPOSED DRAINAGE INSTALLATION		

TENDER

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECT'S DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - 'ASK'
- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

CIVIL LEGEND

EX. FOUL MANHOLE	Ex. F
EX. FOUL PIPE	PIPE DESCRIPTION
NEW FOUL MANHOLE	F
NEW FOUL PIPE	PIPE DESCRIPTION
EX. SURFACE WATER MANHOLE	Ex. S
EX. SURFACE WATER PIPE	PIPE DESCRIPTION
NEW SURFACE WATER MANHOLE	S
NEW SURFACE WATER PIPE	PIPE DESCRIPTION
EX. COMBINED MANHOLE	Ex. C
EX. COMBINED PIPE	PIPE DESCRIPTION
NEW COMBINED MANHOLE	C
NEW COMBINED PIPE	PIPE DESCRIPTION
NEW RISING MAIN	PIPE DESCRIPTION
PIPE CROSSOVER	PIPE DESCRIPTION
EX. ROOF RAIN WATER MANHOLE	Ex R
EX. ROOF RAIN WATER PIPE	PIPE DESCRIPTION
NEW ROOF RAIN WATER MANHOLE	R
NEW ROOF RAIN WATER PIPE	PIPE DESCRIPTION
FOUL ACCESS JUNCTION	AJ
SURFACE ACCESS JUNCTION	AJ
RAINWATER PIPE	RWP
SOIL VENT PIPE	SVP
ROAD GULLEY	RG
BACK INLET GULLEY TRAP	BIGT
FOUL RODDING EYE	RE
SURFACE RODDING EYE	RE
GULLEY TRAP	GT
ACO DRAINAGE CHANNEL	
SINGLE 90mm BT DUCT	
MDPE CWM - SIZE T.B.C.	
SINGLE 100mm POWER	
SINGLE 100mm DATA	

UTILITY SURVEY ABBREVIATIONS

EOT - END OF TRACE	CAP - CAPPED PIPE/DUCT
B - BLOCKED/SPIDE UNABLE TO PASS	UTS - UNABLE TO SONDE/SURVEY
UTT - UNABLE TO TRACE	PR - PIPE RISER
WL - WATER LEVEL FROM	WL - WATER LEVEL FROM
CR - CABLE RISER	CR - CABLE RISER
PO - DUCT CONFIGURATION	PO - PIT DEPTH FROM MANHOLE
PT - P TRAP	PT - P TRAP
PE - POT ENDED CABLE	OSA - OUT OF SURVEY AREA
NVP - NOT VISIBLE PIPES	Ø100 - PIPE DIAMETER
	0.50m - DEPTH BELOW SURFACE IN METRES

T1	30.04.25	ISSUED FOR TENDER	MA	JP	DR
P3	28.02.25	ISSUED FOR COMMENT	MA	RM	JP
P2	04.02.25	ISSUED FOR COMMENT	MA	RM	JP
ISSUE	DATE	DESCRIPTION	DRY	ORIG	P.S.

ISSUE STATUS	☐ PRELIMINARY (P1, P2, P3 etc.)	☐ PLANNING (PL1, PL2, PL3 etc.)
	☒ TENDER (T1, T2, T3 etc.)	☐ CONSTRUCTION (O, 1, 2 etc.)

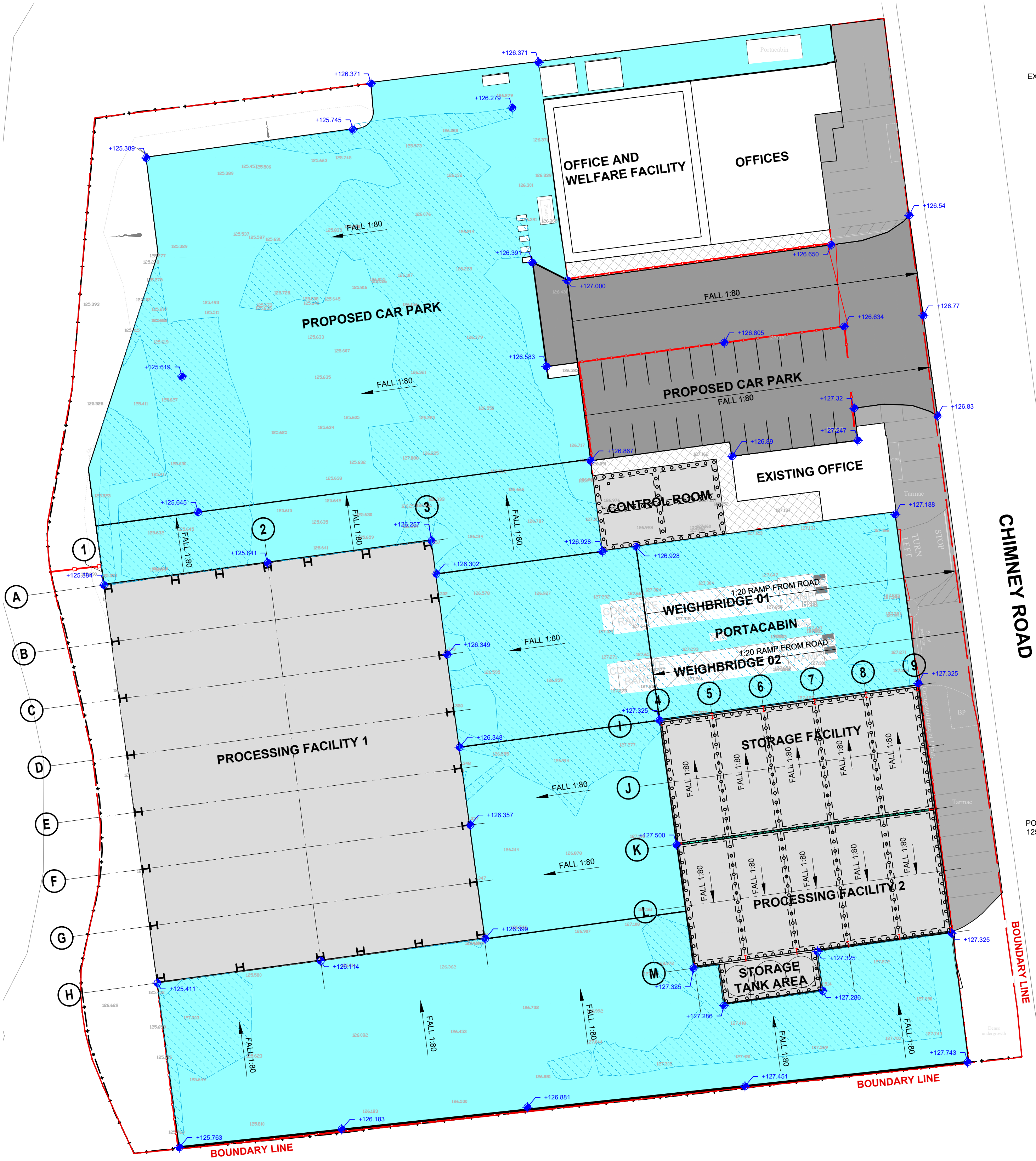


CLIENT
PJ HEGARTY & SONS UK LTD.

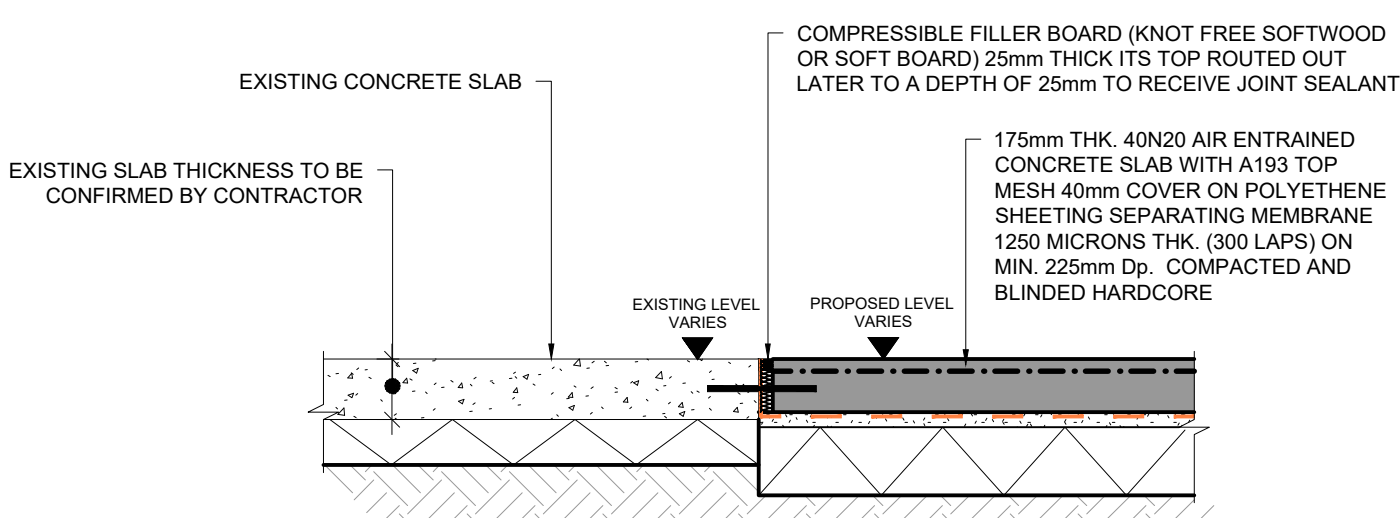
PROJECT TITLE
TIPTON WASTE TRANSFER STATION DY4 7BY

DRAWING TITLE
PROPOSED DRAINAGE DESIGN PLAN LAYOUT

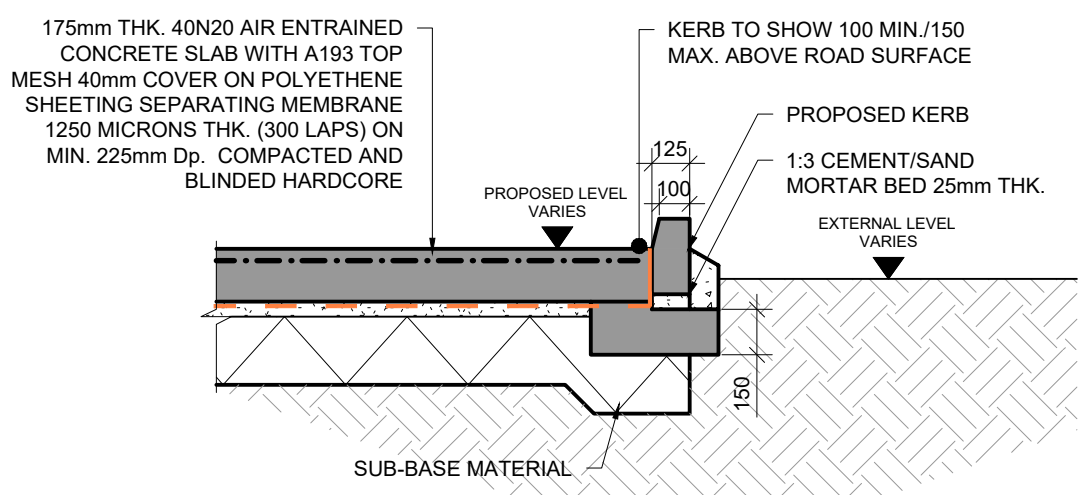
SCALE @ A1 AS SHOWN	JOB NO. 24801	DRAWING NO. C-1000	ISSUE T1
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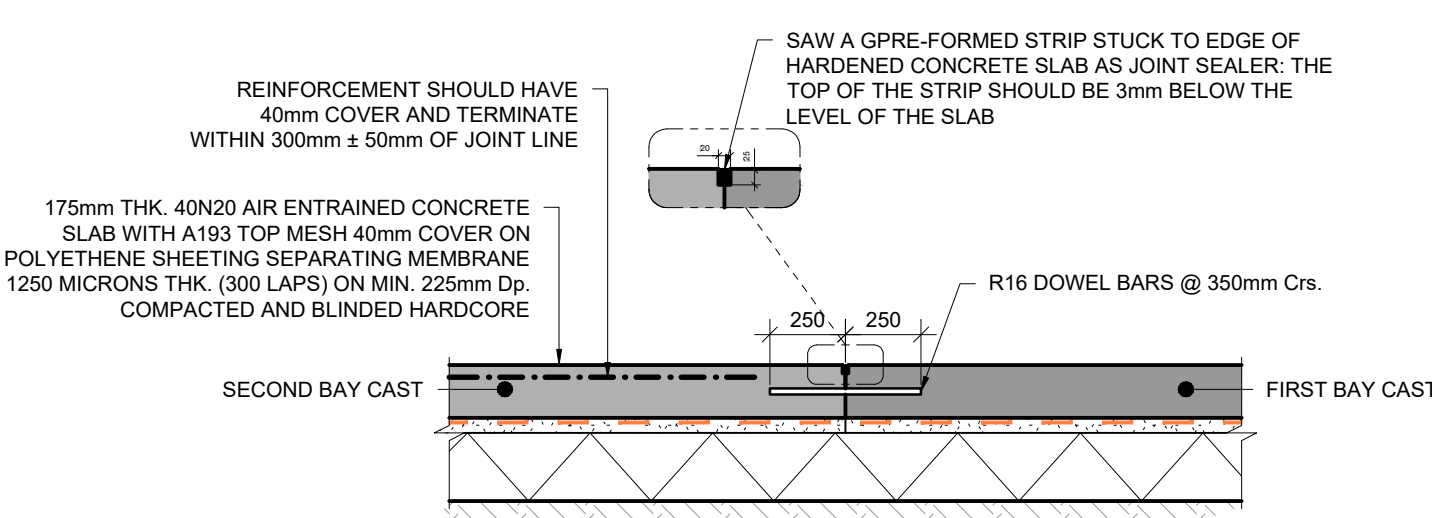
HARD STANDING LAYOUT PLAN
SCALE @ A1: 1:300
SCALE @ A3: 1:600



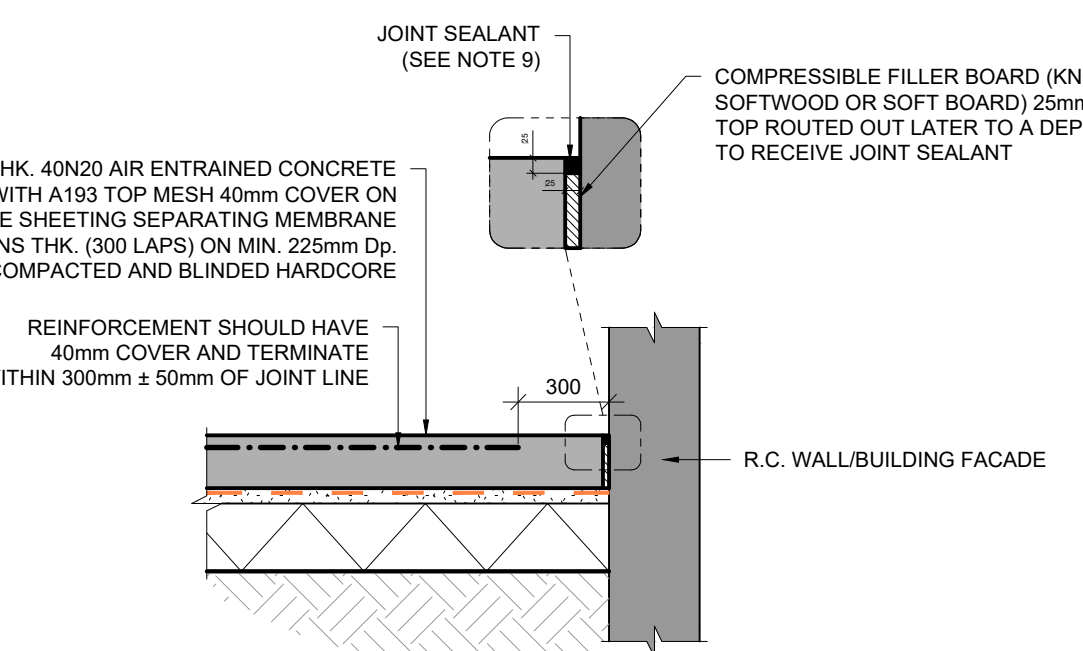
CONNECTION TO EXISTING SLAB JOINT DETAIL
SCALE @ A1: 1:25
SCALE @ A3: 1:50



KERBING JOINT DETAIL
SCALE @ A1: 1:25
SCALE @ A3: 1:50



CONSTRUCTION JOINT
SCALE @ A1: 1:25
SCALE @ A3: 1:50



ISOLATION JOINT
SCALE @ A1: 1:25
SCALE @ A3: 1:50

NOTE:
BEFORE PAVERS / PAVEMENT WORKS ARE COMMENCED THE CONTRACTOR IS TO ESTABLISH IF THESE WORKS ARE TO BE TAKEN IN CHARGE BY THE LOCAL AUTHORITY. IF THIS IS THE CASE THE CONTRACTOR IS TO GET APPROVAL FROM THE LOCAL AUTHORITY FOR THE DETAILS SHOWN ON THIS DRAWING AND ESTABLISH INSPECTION AND TESTING REQUIREMENTS BEFORE COMMENCING THE WORK

HARD STANDING NOTES

3. DEPTH OF SUB-BASE & CAPPING LAYER

THE DEPTH OF THE SUB-BASE AND CAPPING LAYERS WILL VARY WITH THE SUBGRADE STRENGTH, AS INDICATED BY THE CBR TEST RESULTS.

THE THICKNESS OF THE SUB-BASE LAYER SHOULD BE 150mm FOR ALL FORMS OF ROADWAY CONSTRUCTION.

THE THICKNESS OF THE CAPPING LAYER WILL VARY WITH THE CBR VALUE, AS INDICATED IN TABLE 3.1 BELOW. IF THE CBR VALUE OF THE SUBGRADE EXCEEDS 15%, NO CAPPING LAYER IS REQUIRED.

LOWEST SUB-GRADE CBR (%)	MINIMUM CAPPING LAYER THICKNESS (mm)
*LESS THAN 2	(SEE FOOTNOTE)
2-5	300
5-15	150
MORE THAN 15	NO CAPPING LAYER EQUIRED

* FOR SUBGRADES WITH A CBR OF LESS THAN 2%, A GEOTEXTILE SEPARATOR (e.g. TERRAM 1000) SHOULD BE USED AND SPECIALIST ADVICE SOUGHT REGARDING MINIMUM THICKNESS.

IF THE CONTRACTOR PROPOSES TO USE THE SUB-BASE FOR CONSTRUCTION TRAFFIC HE SHOULD SEEK APPROVAL FROM THE ENGINEER TO DO SO. SUCH APPROVAL WILL ONLY NORMALLY BE GIVEN ON CONDITION THAT THE SUB-BASE THICKNESS IS INCREASED. TYPICALLY FOR CBR VALUES THICKNESS WILL HAVE TO BE INCREASED BY 150mm. FOR CBR VALUES > 4% AN INCREASE OF 80mm WILL BE SUFFICIENT.

SUBGRADE STRENGTH SHOULD BE ESTABLISHED BY MEANS OF THE CALIFORNIA BEARING RATIO (CBR) TEST, IN ACCORDANCE WITH BS 1377: PART 4: SECTION 7. SAMPLES SHOULD BE TAKEN AT THE RATE OF ONE PER 100m OF ROAD AND WHERE SIGNIFICANT VARIATIONS IN SOIL TYPE ARE ANTICIPATED, EXTRA SAMPLES MAY BE REQUIRED BY THE LOCAL AUTHORITY WHERE THE DIFFERENCE IN STRENGTH BETWEEN TWO ADJACENT SAMPLES INDICATE A SIGNIFICANT VARIATION IN SOIL TYPE. IN PREPARING THE TEST SPECIMEN, THE METHOD OF COMPACTION SHOULD BE THE STATIC COMPACTION METHOD 2, AS SPECIFIED IN PARAGRAPH 7.2.3.3 OF BS 1377: PART 4.

4. MATERIAL SPECIFICATION FOR SUB-BASE AND CAPPING LAYER:

(a) SUB-BASE
SUB-BASE MATERIAL SHOULD COMPRISE TYPE B GRANULAR MATERIAL, IN ACCORDANCE WITH CLAUSE 804 OF THE SPECIFICATIONS FOR ROADWORKS. THE MATERIAL SHOULD LIE WITHIN THE GRADING LIMITS SET OUT IN TABLE 4.1 BELOW.

SIEVE SIZE IS 24	PERCENTAGE BY MASS
75 mm	100
37.5 mm	80-100
10 mm	40-70
5 mm	25-45
600 µm	8-22
75 µm	0-10

PARTICLE SIZE DISTRIBUTION SHOULD BE DETERMINED BY THE WASHING AND SIEVING METHOD OF BS 812: PART 103. ALL MATERIAL USED SHOULD BE FROST RESISTANT.

MATERIAL PASSING THE 425 mm SIEVE, WHEN TESTED IN ACCORDANCE WITH BS 1377, SHOULD BE NON-PLASTIC.

THE MATERIAL SHOULD HAVE A TEN PERCENT FINES VALUE OF 100KN, OR MORE, WHEN TESTED IN ACCORDANCE WITH BS 812.

THE SUB-BASE SHOULD BE LAID AND COMPACTED TO THE REQUIREMENTS OF CLAUSE 802 OF THE SPECIFICATION FOR ROADWORKS, WITHOUT DRYING OUT, OR SEGREGATION.

(b) CAPPING LAYER
CAPPING LAYER MATERIAL SHOULD COMPRISE EITHER CRUSHED ROCK, NATURAL GRAVEL, CRUSHED GRAVEL OR CRUSHED CONCRETE. THE MATERIAL SHOULD HAVE A MAXIMUM SIZE OF 100mm AND THE MAXIMUM ALLOWABLE PASSING THE 75 MICRON SHOULD BE 10%. THE MATERIAL SHOULD BE WELL GRADED THROUGHOUT ALL SIZES.

SELECTED DEMOLITION MATERIALS WHICH MEET THE ABOVE REQUIREMENTS MAY ALSO BE USED, SUBJECT TO APPROVAL.

5. CONCRETE FOR ROAD PAVEMENTS:

PAVING QUALITY CONCRETE SHOULD BE 40 N/mm² AIR ENTRAINED CONCRETE MADE FROM NATURAL AGGREGATES, CEMENT, WATER AND AIR ENTRAINING AGENT. AGGREGATES SHOULD BE NATURAL MATERIALS COMPLYING WITH IS 5. CEMENT SHOULD BE NORMAL PORTLAND CEMENT, COMPLYING WITH IS 1. THE AIR ENTRAINING AGENT SHOULD COMPLY WITH BS 5075. OTHER ADMIXTURES MAY BE USED, SUBJECT TO APPROVAL. THE CONSTITUENTS SHOULD BE PROPORTIONED AS SET OUT IN TABLE 5.1 BELOW:

MINIMUM CEMENT CONTENT	325 kg/m ³
MAXIMUM FREE WATER / CEMENT RATIO	0.55
MAXIMUM AGGREGATE SIZE	20mm
MINIMUM FINE AGGREGATE CONTENT	30%
AIR CONTENT	3.5 - 6.5%
SLUMP	50mm

6. REINFORCEMENT FOR CONCRETE SLABS SHOULD BE LONG MESH STEEL FABRIC, COMPLYING WITH BS 4483 AND SHOULD BE FREE FROM LOOSE MILL SCALE, RUST, DIRT, OIL, PAINT OR GREASE. THE MINIMUM WEIGHT OF REINFORCEMENT SHOULD BE 2.61kg/m². THE REINFORCEMENT SHOULD HAVE 50mm MINIMUM COVER FROM THE SURFACE AND SHOULD TERMINATE BETWEEN 250 AND 350mm FROM ANY TRANSVERSE JOINT BETWEEN 40 AND 80mm FROM A LONGITUDINAL JOINT. THE REINFORCEMENT SHOULD TERMINATE BETWEEN 100 AND 150mm FROM THE EDGE OF THE SLAB. REINFORCING MATS SHOULD OVERLAP SUCH THAT THE TRANSVERSE WIRE OF ONE MAT WOULD LIE WITHIN THE LAST COMPLETE MESH OF THE PREVIOUS MAT AND THE OVERLAP SHOULD BE AT LEAST 450mm. TRANSVERSE CONTRACTION JOINT SPACING FOR VARIOUS MESH SIZES SHOULD BE AS FOLLOWS:

LONG MESH REINFORCEMENT TO BS 4483	MAXIMUM SPACING (m) OF CONTRACTION JOINTS
C283	15m
C385	20m
C503	25m

7. DOWEL BARS AND TIE BARS SHOULD BE GRADE 250 STEEL, COMPLYING WITH BS 4449 AND SHOULD BE FREE FROM OIL, DIRT, LOOSE SCALE AND RUST. DOWEL BARS SHOULD BE STRAIGHT, FREE OF BURRS AND OTHER IRREGULARITIES WITH THE SLIDING END SAWN. DOWEL BARS SHOULD BE DEBONDED OVER THEIR LENGTH WITH A TOUGH, DURABLE PLASTIC SHEATH OF AVERAGE THICKNESS NOT GREATER THAN 1.25mm. FOR EXPANSION JOINTS, THE EXPANSION SPACE AVAILABLE IN THE WATERPROOF CAP SHOULD BE 10mm GREATER THAN THE THICKNESS OF THE JOINT FILLER BOARD.

8. JOINT GROOVES SHOULD BE SEALED WITH A HOT APPLIED JOINT-SEALING COMPOUND COMPLYING WITH BS 2499 TYPE A2 AND THE FINISHED SURFACE OF THE SEAL SHOULD BE 3mm BELOW THE SURFACE LEVEL OF THE CONCRETE. WHEN A MODULAR PAVEMENT IS TO BE CONSTRUCTED THE LAYOUT LAYING PATTERN AND STRUCTURAL DESIGN IS TO BE IN ACCORDANCE WITH BS 7533

TENDER

NOTES

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2. CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

LEGEND

EXISTING TARMAC

EXISTING CONCRETE YARD SLAB

NEW CONCRETE FOOTPATH

NEW EXTERNAL CONCRETE YARD SLAB

DENOTES AREA TO BE DEMOLISHED

EXISTING KERBS RETAINED

PROPOSED NEW KERBING

EXISTING SURVEY LEVEL FROM SITE

PROPOSED TANGENT POINT LEVEL FOR PROPOSED SLAB

PROPOSED ROAD GULLY LEVEL

EXPANSION JOINT

ISOLATION JOINT@ MAX. 6000mm Crs.

CONSTRUCTION JOINT @ MAX. 6500mm Crs.

DOWEL JOINT

T1	30.04.25	ISSUED FOR TENDER	M.A.	J.P.
ISSUE	DATE	DESCRIPTION	DRN	P.E.
			ORIG	P.D.

ISSUE STATUS

☐ PRELIMINARY (P1, P2, P3 etc.)

☐ PLANNING (PL1, PL2, PL3 etc.)

☒ TENDER (T1, T2, T3 etc.)

☐ CONSTRUCTION (O, 1, 2 etc.)

Civil & Structural Design Consultants

CLIENT

PJ HEGARTY & SONS UK LTD.

PROJECT TITLE

**TIPTON WASTE TRANSFER STATION
DY4 7BY**

DRAWING TITLE

HARDSTANDING LAYOUT PLAN

SCALE @ A1 AS SHOWN	JOB NO. 24801	DRAWING NO. H-1000	ISSUE T1
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