CADENT GAS LIMITED

Environmental Assessment – Phase 2 Factual Site Investigation

Brick Kiln Street, Hinkley

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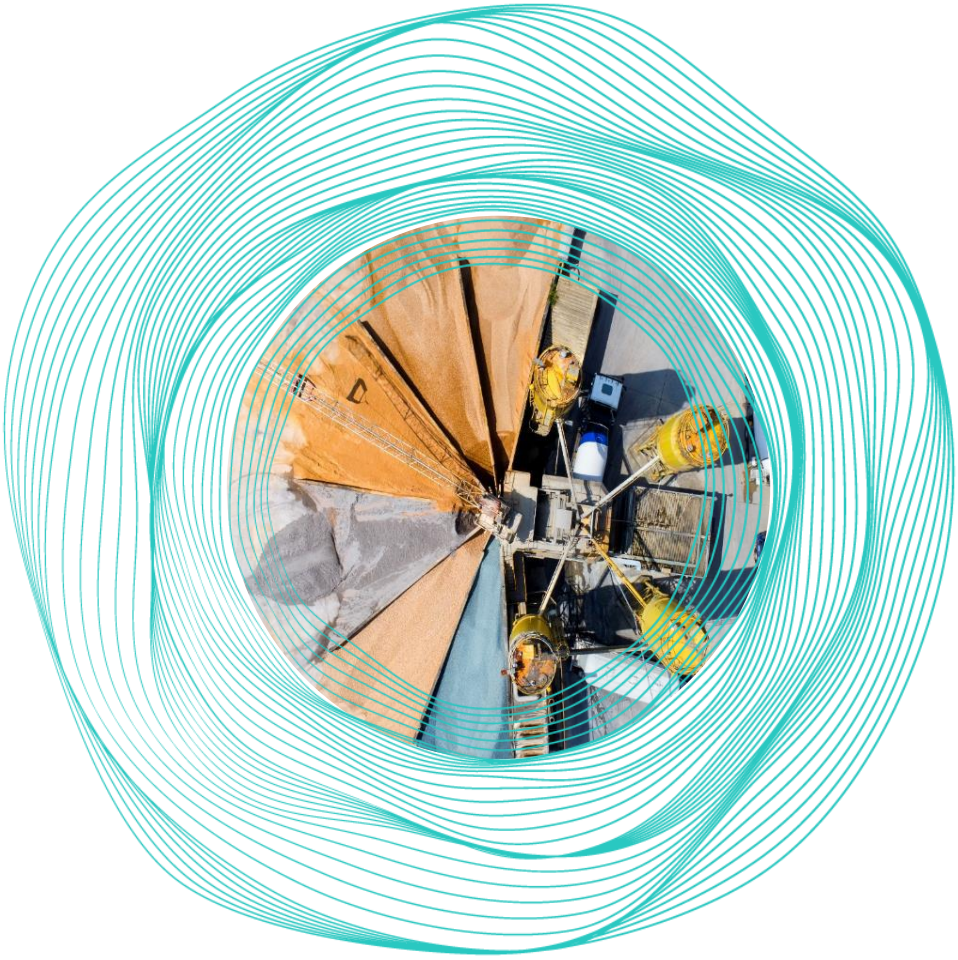

May 2025

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Executive Summary

Site Location/ Description & Current Site Status	The site is located off Coventry Road, Hinckley, Leicester, LE10 0NA and is accessed via a double palisade gate off Brick Kiln Street. The site covers an area of approximately 5.95 hectares (Ha) and can be divided into three defined areas: Area A (former car park in the north), Area B (majority of the site to the south of Area A) and Area C (smaller area of former car parking to the east). Area A is separated from Area B by a 2-3 m high retaining wall and is topographically lower. The majority of buildings have recently been demolished. A hydraulic containment system is present in the southwest of the site (within Area B).
Site History	The site formed Hinckley Gas Works and is shown on historical mapping from the 1870s and remained operational up to the 1960s when gas production ceased at site. Gasworks infrastructure was generally located in Area B, with one above-ground gasholder (No. 4) within Area C. Area A remained largely undeveloped prior to the construction of the car park. Demolition of the gas works infrastructure began in 1968 and the office buildings and roadway infrastructure constructed by 1972.
Published Geology	**Superficial deposits:** Previous site investigations encountered Oadby Member in Area C, at thicknesses of up to 2 m, described as grey or brown clay with clasts of chalk, flint, limestone and coal. The Wolston Sand & Gravel Formation covers the southern and central area of Area B and runs along the eastern boundary of Area A at thicknesses of up to 6 m. The unit is described as yellow/red sand and gravel with coal fragments. Running sands are reported in the northeast of the site. The Wolston Clay Member is mapped in the northwest (Area A) and is described as dark grey and brown stoneless clay and silt, laminated in part with sand bands and isolated lenses up to 14 m in thickness. **Bedrock:** The bedrock beneath the site is reported to comprise the Merica Mudstone Formation, described as "red gypsiferous mudstone of the Triassic, with siltstone and sandstone bands, dipping gently to the southwest".
Hydrogeology	The Wolston Clay Member is classified as Unproductive Strata. The Wolston Sand & Gravel Member is classified as a Secondary A Aquifer. The Oadby Member is classified as Secondary Undifferentiated. Mercia Mudstone Formation (bedrock) is designated as a Secondary B Aquifer.
Hydrology	Surface water run off at the site is primarily intercepted by the complex system of drains throughout both areas of the site, and in particular within Area A. The nearest surface water feature is the Battling Brook, which is located approximately 100 m north of the site and flows to the southwest towards the Ashby-de-la-Zouch Canal (1.4 km southwest of the site) and to the River Anker beyond (5 km southwest of the site). Sketchley Brook is located approximately 700 m south of the site and flows to the southwest, similar to the Battling Brook.

Previous Site Investigations & Remediation	Reports providing details on previous investigations and works pertaining to the site have been made available to Worley Consulting for review. Due to the number of previous works undertaken, a summary of the factual information (intrusive ground investigation information) from each report is provided within Appendix A, with relevant information extracted and included throughout the body of this report. It should be noted that sections have been redacted from several of the reports and some factual information (including intrusive logs) have not been provided. Suspected remediation works occurred in 1993 to the south-west of Block 2 during Capital Project 241 which included the removal of a tar well to the south of Block 1 (presumed to be Gasholder B), a rectangular tar tank to the south of Block 2 and tar-impacted soils believed to be surrounding Gasholder A (Celtic, 1999). Additionally, a hydraulic containment unit was constructed by Celtic in 2009 to treat dissolved and free-phase contamination in groundwater at the southern boundary and to mitigate off-site migration. The system is still running.
Scope of Works	The site investigation works were conducted between 29th January and 28th February 2025. Three groundwater, surface water and vapour monitoring visits were undertaken. Monitoring visits were undertaken between 17th March and 20th March 2025, 7th April and 10th April 2025, 28th April and 1st May 2025 and 7th May 2025. Site Investigation works comprised: • Service clearance survey; • Drilling of 36 boreholes installed as a groundwater monitoring wells (MW25-01 to MW25-36) to a maximum depth of 14.7 m bgl; • Excavation of 25 mechanically excavated trial pits (TP25-01 to TP25-25) to a maximum depth of 4.4 m bgl; • Excavation of 21 vacuum excavated pits installed as vapour wells (VW25-01, VW25-02, VW25-04, VW25-07 to VW25-09, VW25-11A, VW25-12 to VW25-15, VW25-16A to VW25-20A, VW25-21 to VW25-25) to a maximum depth of 1.5 m bgl; • Excavation of 12 hand-dug pits (HP25-01 to HP25-04, VW25-03, VW25-05, VW25-06, VW25-10, VW25-11, VW25-16, VVW25-19 and VW25-20) to a maximum depth of 0.8 m bgl; and, Topographic survey of the intrusive locations.

1. Introduction

1.1 Terms of Reference

Worley Consulting has been commissioned by Cadent Gas Limited (Cadent) to undertake a Phase 2 Ground Investigation at Brick Kiln Street, Hinckley, LE10 0NA (the 'Site'), as shown on Figure 1. The work is designed to support Outline Planning (planning application: 24/00610/OUT) for the proposed erection of 195 dwellings (including affordable housing) with private gardens and areas of public open space.

The site comprises three separate land parcel areas as detailed below and shown on Figures 2A and 2B:

- Area A (former car park in the north);
- Area B (majority of the site to the south of Area A); and
- Area C (smaller area of former car parking to the east).

The northern area is at a lower elevation and consists of hard standing car parking, with the southern area comprising former administrative buildings (demolished), operational land and roadways/parking.

An online source indicates that the land the gas works was built on was purchased in 1834, from when construction on the gas works commenced (Hinckleypastpresent, 2024). Gas was produced onsite until the 1960s, when the majority of the buildings associated with the gas works were demolished to make way for the former Cadent offices. Localised remediation works have occurred onsite and a groundwater hydraulic containment unit has been operating on-site along the southwestern boundary since 2009. The Cadent offices were demolished around 2022.

The assessment has been undertaken in general accordance with the processes and procedures for investigating and assessing land contamination, as outlined in Land Contamination: Risk Management (LCRM), published by the Environment Agency (2023); and other relevant industry best practice, as referenced in Section 5.

This report is prepared for Cadent use only and Worley Consulting does not accept any responsibility for the use by any third party other than those identified and authorised by Cadent Gas Limited.

1.2 Objectives

The site investigation work was designed to assess ground and groundwater conditions beneath the site and, where applicable, investigate historical structures. The report documented herein presents a summary of the site history, environmental setting and investigation works undertaken.

This report supports the Outline Planning application and specifically the close out planning condition C174 (a) of the outline planning conditions (24/00610/OUT) and Point 1 of Condition 2 proposed by the Environment Agency for a proposed residential development.

1.3 Scope of Works

A detailed site investigation methodology and scope of works is provided within Section 3, however, works generally comprised an intrusive investigation undertaken between 29th January and 28th February 2025, followed by three groundwater, surface water and vapour monitoring visits between 17th March and 20th March 2025, 7th April and 10th April 2025, 28th April and 1st May 2025, and 7th May 2025. The requirement for which was identified within the Phase 1 Desk Study (Worley Consulting, December 2025. Phase 1 Desk Study, Ref: 415001-00017_004: Rev A).

1.4 Information Sources

This report makes use of publicly available information and Cadent supplied previous site investigations and risk assessments prepared for the site. Previous investigations and reports are summarised within the Desk Study report (Worley, 2025), which should be read in conjunction with this Phase 2 Site Investigation:

Since the production of the aforementioned Desk Study, the following reports have also been provided:

- Celtic, June 2008, Phase 1 Design Assessment Report (Draft), R1191/08/3390
- Celtic, September 2018, Land Contamination Risk Assessment, R1738/18/4916-DRAFT
- Englobe / Biogenie, Series of Groundwater Hydraulic Containment System Progress Reports:
    - Englobe, Quarter 2 2023 (November 2023): R1886/23/5350 draft 2
    - Englobe, Quarter 3 2023 (November 2023): R1886/23/5361 draft 1
    - Englobe, Quarter 4 2023 (June 2024): R1886/23/5382 draft 1
    - Biogenie, Quarter 1 2024 (September 2024): R1886/24/5414
    - Biogenie, Quarter 3 2024 (February 2025): R1886/25/5459
    - Biogenie, Quarter 4 2024 (February 2025): R1886/25/5460

Full report references are provided within Section 5, with summaries of factual information relating to intrusive ground investigation from previous reports presented within Appendix A.

2. Site Information

2.1 Site Description

General site information is summarised in Table 1 below. A location plan is included as Figure 1 and the current site layout is shown on Figures 2A and 2B.

Table 1 Site Information

Site Address	Cadent Gas, Brick Kiln Street, Hinckley, LE10 0NA
National Grid Reference	442126, 293683
Site Area	5.95 hectares (Ha)
Site Setting	The surrounding land uses are mixed commercial / industrial and residential.
Site Ownership	Cadent Gas Ltd.
Current Site Use	Up until recently, the site was referred to as Hinckley Operational Centre and was used as Cadent offices with associated parking and roadway infrastructure. However, most of these buildings have since been demolished. Former footings are present across the site, with a handful of buildings remaining onsite. The site is currently a largely cleared brownfield site with car parking. Photos of the general site area are presented within Worley Consulting's Desk Study (2024). Due to the size of the site, variable nature of geology and location of historical features, the site has been divided into three areas: Area A, Area B and Area C. <u>Area A</u> The following description should be read with reference to Figure 2A. Area A generally comprises a former car park. The area is largely vacant of buildings with the exception of a temporary building towards the central-west of the area. The area is accessed via ramps or steps from Area B in the south. EV chargers were noted along the eastern boundary and soft standing was present around the northern, western and eastern perimeter of the site. Car parking spaces comprised both gravel and tarmacadam surfacing. A pedestrian entrance to Area A was noted in the western corner, via the neighbouring Gymnastics Centre. A storage area is present nearby, mainly housing de-icing salt. A square brick feature was also visible within this area. <u>Area B</u> The following description should be read with reference to Figure 2B. The site is accessed via Brick Kiln Street in the east of Area B via a set of locked double gates. Immediately to the west is the former Security Lodge (demolished – floor tiling and concrete foundations remaining insitu) and existing HV Switch Room. Three manhole covers were observed within the vicinity, which would indicate a potential interceptor, though the covers were not lifted. North of the entrance gates is the former admin garage/stores (demolished – concrete foundations & associated infrastructure remaining insitu) and beyond a former car parking area. Three manhole covers were also observed within this area, which would indicate a potential interceptor, though the covers were not lifted. Heading southwest is the demolished Block 1 (demolished – majority of the concrete foundation remaining insitu with the exception of a large water filled excavation in the east), existing brick building, former tank location (observed to be concrete surfacing) and wooded area. A hydraulic containment system managed by Biogenie was observed within the west of

	Area B. Various manhole covers were observed along the southern and southwestern boundary of Area B, and temporary cones within the wooded area were marking out borehole locations. These are likely to be associated with the firmer investigations and hydraulic containment system. To the north of the former Block 1 and hydraulic containment system compound lies the remnant concrete foundations of the former Block 2, Block 3, Block 3A and Block 5. The former pond is no longer present, with gravel surfacing now present. Various concrete foundations were also observed at the former uninterrupted power supply (UPS) Room, Diesel Generator and Electrical Sub Station along the western boundary Brickwork was also visible at the former Electrical Sub Station, housing underground services. An elevation change marked by a vegetated embankment led northward and down to the former Block 4 (demolished – concrete foundations remaining insitu). <u>Area C</u> The following description should be read with reference to Figure 2B. Area C is located to the east of Area B and forms a former car park area. A gravel area with various former concrete foundations was observed within the west of Area C. The neighbouring Lidl car park to the south was noted to be approximately 2 m below the level of the site and separated with a wooden fence and landscaped embankment.
Access	The site can be accessed through double palisade gates off Brick Kiln Street in the east of Area B. There is also vehicular site access through locked double gates via Trinity Vicarage Road (within the northeast of Area B). A pedestrian entrance to Area A was also noted in the western corner of Area A, via the neighbouring Gymnastics Centre.
Site Boundaries	The site boundary predominantly comprises 2m high metal palisade fencing in the south and west, and wooden fencing along the north and western boundaries. The boundary was assessed to be in good condition. The site is considered to be secure due to fencing and onsite security in the form of CCTV.
Adjacent Land Use	Adjacent land uses in relation to the site comprise the following: • **North and northeast**: Residential properties and Park Play Area • **Southeast:** Lidl supermarket and associated car park, The Meeting Centre, and a vacant plot of land beyond this. A radio mast is present between Area B and C. • **South**: Coventry Road, residential properties, and Granville Road Park. • **West:** Clarendon Park, residential properties and Hinckley Gymnastics Club.
Ground Cover	The majority of Area B comprises hardstanding (concrete foundations or tarmacadam) with some localised areas of gravel or rubble. Soft standing is present along the southern and western perimeters (including a wooded area in the south). Additionally, a water filled excavation is suspected to extend into the Made Ground. The HV switch room and brick building in the south are the only permanent buildings remaining on-site. Surfacing within Area A comprises mainly tarmacadam hardstanding with some gravel car parking and soft landscaping including mature trees around the perimeter. One temporary building remains on-site. Surfacing within Area C comprises primarily tarmacadam hardstanding, with an area of gravel and concrete foundations noted in the east. The gas governor is the only building remaining on-site. Estimated percentages of total ground cover are as follows: Gravel/rubble – 15% Hardstanding & buildings – 65 % Soft standing – 20%

Site Topography & Elevation	Two significant changes in topography falling to the north are present between Area B and A, and between Block 3 and Block 4, characterised by vegetated embankments. Area A is generally flat with an elevation of 108 m Above Ordnance Datum (m AOD), it is topographically lower than Area B which lies at an elevation of around 111 m AOD.
Unexploded Ordnance (UXO)	The site is situated within a low-risk area of unexploded ordnance (Zetica, 2024).
Utilities & Services	Service information has been gathered from various service plans provided within previous reports. It is noted that the most recent service plans reviewed date from 2011 and, consequently, are likely to be out of date. A number of services traverse the site, a brief summary of which is provided below. It is unknown whether these services are live or disconnected and redundant. For the purposes of this review, it is assumed that the services remain live. Service locations obtained from the 2011 (and earlier) service plans are shown on Figures 3A and 3B. Full service records are presented within Appendix B. The following text should be read with reference to these figures and records. Gas: Two low pressure (LP) and one medium pressure (MP) gas main enter the site via Brick Kiln Street with only one LP and one MP shown entering the gas governor present in Area C. The second LP is shown entering Area C from the south but appears to be truncated. A low pressure main exits westward from Area C into Area B and runs along the northeastern boundary, a spur of which enters the former Block 4 (demolished). The LP main continues northeastward before doglegging west and then south, parallel to Area B site boundary, before exiting the offsite into the neighbouring Gymnastics Centre in the west. A low-pressure gas main is also shown entering the site in the south via Coventry Road and terminating at the existing brick building in the south of Area B. Electricity: A below-ground high voltage cable is shown in Area B running parallel to the southwestern site boundary from the electrical substation adjacent to former Block 3. The HV cable runs along the access route between former Blocks 1 & 2 and terminates at the HV switch room. Low voltage electricity also runs across the former car park areas. Telecoms: Telecoms are shown across the former car park areas within Area B. Foul/ Surface water: Foul water and surface water drainage are spread across the site, with multiple surface water drains and drainage channels in Area A which was formally used as a car park. The foul sewer is shown running along the western boundary off-site, crossing Coventry Road in the south. Fibre optic: Fibre optic cables are shown running across several locations within Area B around the perimeter of the Area A. CCTV: CCTV Cables are shown running parallel to the south and southwestern site boundary of Area B. These run across the southern site boundary, parallel to Coventry Road and to the western site boundary where it terminates in the former Block 2 building. A radio mast is present to the southwest of Area C.

2.2 Environmental Setting

Details of the site's environmental setting are provided in Table 2. Information within this section has been taken from the Worley Consulting Desk Study (2024), and Landmark Envirocheck Report (2024) contained within, unless otherwise stated. Environmental information is presented within Appendix C.

Table 2 Environmental Setting

Published Geology	The following summary of the site's geological setting is based on published information provided by the British Geological Survey (BGS, 2025). Geology 1:10,000 maps (Landmark, 2024 & BGS, 2025) suggest the following superficial deposits are present onsite, in order of deposition: • Wolston Sand & Gravel Formation (also called Wigston Sand and Gravel Member) covers the southern and central area of Area B, and runs along the eastern boundary of Area A. The deposit is described as a yellow/red sand and gravel with coal fragments. Previous investigations encountered Wolston Sand and Gravel underlying the made ground up to 6 m in thickness in the central area of the site. Running sands are reported in the northeast of the site (BGS, 2024). • Wolston Clay Member (Bosworth Clay Member) is mapped in the northwest (Area A) and is described as dark grey and brown stoneless clay and silt, laminated in part with sand bands and isolated lenses. Previous investigations encountered Wolston Clay Member underlying the made ground in the northwest of the site up to 14 m in thickness. The Wolston Clay Member is reported to be of moderate compressibility. • Oadby Till Member (Diamicton) is recorded in the east of Area C which is described as grey or brown clay with clasts of chalk, flint, limestone and coal. Previous investigations encountered the Oadby Member beneath the made ground at thicknesses of up to 2 m in the east of the site. • Thrussington Till may be present underlying the aforementioned deposits (based on 1991 geological mapping), which is described as red-brown stony clay. The geology of the local area indicates that the Wolston Sands and Gravel outcrop terminates at a spring line which crosses the site in the north and approximately 250 m to 350 m in the south of the site, where the sands and gravels rest on less permeable Wolston Clay strata. The location of the spring line is reported to be associated with running sands (Celtic, 2003). The bedrock beneath the site is reported to comprise the Merica Mudstone Formation which is described as "red gypsiferous mudstone of the Triassic, with siltstone and sandstone bands, dipping gently to the southwest" (BGS, 2024). Ground conditions identified as part of current 2025 site investigation are discussed in Section 4.
Mining & Quarrying	The site is reported to not be within a Coal Mining Reporting Area (Coal Authority, 2024) and historical mapping does not record any quarrying nearby to the site.
Hydrogeology	• The Wolston Sand & Gravel Member (Wigston Sand and Gravel Member) is classified as a *Secondary A Aquifer*. • The Wolston Clay Member (Bosworth Clay Member) is classified as *Unproductive Strata*. • The Oadby Till Member and Thrussington Till is designated as a *Secondary Undifferentiated Aquifer*. • The Bedrock formation of the Mercia Mudstone Formation is designated as a *Secondary B Aquifer*. The groundwater regime at the site is considered complex and is influenced by the geology, topography and below-ground structures and services present at the site. A report completed by Celtic (2011) concluded that groundwater flow is predominantly within the Wolston Sand and Gravels with minimal (negligible) flow within the other predominantly cohesive deposits. Groundwater flow direction is considered to be in a predominantly west to southwest direction in the southern portion of the site, towards Sketchley Brook. In Area A, beyond the spring line, Celtic (2005) interpreted the flow of

	perched water within the made ground overlying the Wolston Clay to be to the northwest towards Battling Brook. No groundwater flow was expected to occur within the Wolston Clay due to its high-clay matrix. In 2008, Celtic produced a groundwater modelling report which concluded that a 'relatively high proportion' of the overall groundwater flow is likely to be within the drift deposits rather than the bedrock. There is overall uncertainty over the groundwater flow direction at the site. The site is not located within a Source Protection Zone, however, licensed groundwater abstractions are present within 1 km of the site (detailed below).
Hydrology	Surface water run off at the site is primarily intercepted by the complex system of drains throughout both areas of the site, in particular within the northern area in the car park. Historical plans show that the north of the site formerly drained from the spring line over ground via drainage ditches passing through a reservoir and settling pond to the Battling Brook. It is possible that these features were incorporated into the current foul/stormwater drainage infrastructure. Although not indicated on the BGS 1:10,000 map, it is possible that this spring line continues through the site along the geological boundary, hence water emanations may be occurring between building Blocks 3 and 4 from behind the retaining wall. The presence of the spring line causing running sands along the embankment in the north-east of the site necessitated the need for drainage channels beneath the car park in the north, discharging directly to perched water in a north-westerly direction (Celtic, 2003). The car park hardstanding has been known to crack, suspected to be due to the pressure from upwelling waters. This may be from groundwater overtopping the flow divide on the southern boundary of the site at a spring line (Wood, 2020). A pond was located on-site between building Blocks 2 & 3, however, during the recent site walkover completed in November 2024 it was noted to no longer be present. This was previously described as an aesthetic feature with fish (Celtic, 2005). The nearest surface water feature is the Battling Brook, which is located approximately 100 m north of the site and flows to the southwest towards the Ashby-de-la-Zouch Canal (1.4 km southwest of the site) and to the River Anker beyond (5 km southwest of the site). Sketchley Brook is located approximately 700 m south of the site and flows to the southwest, similar to the Battling Brook. Monitoring points from the Battling Brook could not be found on the Environment Agency web site, however data from Sketchley Brook shows it to be of moderate ecological status (EA, 2019).
Abstraction Licenses	There are 33 recorded groundwater abstractions on site, all associated with the hydraulic containment unit. It is operated by Biogenie Remediation UK Ltd (formerly Englobe Regeneration UK Limited) and is registered as 'Environmental: Pump & Treat: Pollution Remediation'. The most recent permit start date is 6th January 2022; an end date is not supplied. There are no licensed surface abstractions from Battling Brook within 1 km of the site (Landmark, 2024). There are two from Sketchley Brook to the south of the site within 1 km of the site: • 650 m south-east of the site, for industrial, commercial and public services (laundry) • 890 m south-east, for process water uses. There is one groundwater abstraction within 1 km of the site. This is located 860 m south, with a general farming and domestic use. Celtic (2003) suggest this abstraction is 15 m bgl situated within the Wolston Sand and Gravels, abstracting 900 m^3pa.
Discharge Consents	There are two licensed discharge consents listed on-site, both registered to Englobe Regeneration UK Ltd. and relating to process water being discharged from the hydraulic containment plant via land/soakaway to the Upper Anker catchment. The most current discharge consent was first issued 2nd April 2012, and a revocation date is not provided.

Flood Risk	The site is located within a Flood Zone 1, defined as having less than 0.1% annual probability of flooding, suggesting there is a low probability of flooding from rivers (EA, 2024).
Landfills/ Infilled Land & Waste Management Facilities	There is one historical / Local Authority recorded landfill site recorded circa 340 m north of the site registered to the Bute Close Landfill Site. The type of waste is not specified. The landfill permit was valid until 31st December 1961. There is one Licensed Waste Management Facility recorded on site operated by Englobe Regeneration UK Limited. It is categorised as Physical Treatment Facilities and was first issued in August 2013. No further information is supplied. There is one record of Potentially Infilled Land (Non-water) within 500 m of the site. It is located 169 m east of the site and is likely associated with an infilled sandpit recorded on maps in 1887.There is one record of Potentially Infilled Land (Water) on-site which is likely associated with the former gravel pit/refuse tip in the centre of the site. There are a further 11 recorded Potentially Infilled Land (Water) within 500 m of the site. Three of which are within 100m north and northwest of the site dated 1955. Historical maps do not show any obvious quarrying, however there is development of a cricket ground and access track to some potential ground workings circa 225m northwest. There are no Registered Waste Treatment or Disposal Sites recorded within 500 m of the site.
Pollution Incidents	There are four records of Local Authority Pollution Prevention and Controls on or neighbouring the site registered to Transco. All records are associated with odourising natural gas and liquefied petroleum gas. The most recent record was dated 20th July 1998. The closest record off-site is located circa 100 m southeast and is registered to Coventry Road Service Station. It is an authorisation for a petrol filling station and was dated May 1999. There is a single recorded Pollution Incident to Controlled Waters on the western boundary of the site. The pollutant is listed as Chemicals – Other Organic with the Trent Catchment listed as the receiving body. The further information provided identified contaminated drainage was suspected, dated October 1997. It was classified as a Category 3 – Minor Incident. This may be related to creosote and coal tar encountered in the ground and groundwater within a sewer trench during previous site investigations at the site. The sewer was replaced, and contamination removed as Special Waste (Celtic, 1998). There are 13 other Pollution Incidents to Controlled Waters listed within 500 m of the site all of which are classified as Category 3 with the exception of one Category 2 (Significant Incident) relating to an effluent tank overflowing and going into drains in 1997, located circa 420 m southeast of the site.
COMAH	There is a single record for a ceased Control of Major Accident Hazards (COMAH) site named 'Network Emergency Co-Ordinator' located at the entrance of the site on Brick Kiln Steet. This potentially refers to the former gas works, however, no further information is provided.
Nearby Sensitive Land Uses	The site is located within a Nitrate Vulnerable Zone (NVZ). The southern and central areas of site is located within a Medium Groundwater Vulnerability zone. The site is not located within or near any nature reserves, Ramsar sites, Sites of Special Scientific Interest or Special Protection Areas (Defra, 2024).

2.3 Site History

Details of the site history have been obtained from Worley Consulting's Desk Study (2024). Former historical structures are shown on Figures 4A and 4B. Historical plans are presented within Appendix C.

Earliest historical mapping from 1887 show Hinckley Gas Works present in the southern area of site with two gasholders (Gasholders No. 1 & 2) and associated processing infrastructure. An online source indicates that the land the gas works was built on was purchased in 1834, from when construction on the gas works commenced (Hinckleypastpresent, 2024). Gasholders A and B were converted to tar/liquor settling tanks following the construction of Gasholders No. 1 and 2 in 1889 (Worley Parsons, 2013). Area A comprised several open fields at this time.

Maps from 1903 show a factory labelled *Dye Works* adjacent to the southeastern site boundary. Expansion of the gas works in Area B occurred with the addition of purifier catch boxes, scrubbers and the meter house.

Further expansion of the gas works occurred by 1924, with the addition of another gasholder (Gasholder No. 3). In the northern area, allotment gardens are shown in the east and a reservoir is present in the southwestern area.

An online source states that during the Second World War (1939 to 1945), in addition to gas and coke, benzole and tar by-products were also produced at the gas works (Hinckleypastpresent, 2024). No further information is provided as to where on-site this occurred. Gasholder No. 4 was built in 1938 (Worley Parsons, 2013).

By 1961, the allotment gardens in the northern area expanded to cover the majority of Area A. Drains and issues were mapped, suggesting shallow groundwater in Area B. This is further supported by marshy ground shown along the drainage channel which appears to run in a north-east/south-west orientation from Area A in the north across Area B in the south and exiting the site in the western boundary. In Area B, further expansion of the gasworks has occurred with the addition of Gasholder No. 4 in the east. The factory adjacent to the southwest of the site is no longer labelled Dye Works and has expanded to the south.

Gas was produced in the southern area up until around 1970 (Worley Parsons, 2013). The majority of the buildings associated with the gas works in the southern area had been demolished with only gasholders No. 3 and No. 4, and some of the buildings remaining on-site. The former building Blocks 1-5 and road infrastructure was constructed by 1972. Anecdotal evidence suggests that waste material and tar was removed from Gasholders A, B, 1 and 2 and the structures infilled with clean imported materials prior to the construction of Block 1 (Celtic, 1993). A refuse tip is shown on historical maps in the northwest of Area A between 1968 and 1971, possibly filled with rubble from the demolition of the structures. The northern area, Area A, formerly allotment gardens, is shown as a car park with a depot building in the centre and a raised embankment in the south and around the perimeter. The factory to the southwest of the site is recorded as a *Hosiery Factory*.

Buildings adjacent to Coventry Road (retort houses, offices and manager's house) in the southern area were demolished in 1975 (Hinckleypastpresent, 2024). The refuse tip on-site is no longer shown on maps, and the buildings blocks are shown in the area of the former gas works.

Remediation works in localised areas occurred in 1993 to the south-west of Block 2 during Capital Project 241. This included the removal of the tar well to the south of Block 1, a rectangular tar tank to the south of Block 2 and tar-impacted soils in the vicinity of

Gasholder A (WorleyParsons, 2013). In the northern area, a club building was constructed in the northwestern corner of site.

A groundwater hydraulic containment unit has been operating on-site along the southwestern boundary since 2009.

Up until circa 2022, the site was used as Cadent Offices (referred to as the Hinckley Operational Centre (HOC)) and was a hub for regulating, monitoring, and distributing gas. The northern area comprised parking facilities that could be accessed via two vehicular ramps. In the southern area there were five large administrative buildings (Blocks 1 to 5) along with other buildings including a small building connected to the radio transmission compound in the southeast, a small gas governor compound, various brick buildings, two diesel generators, electricity switch rooms, a security lodge, and an uninterrupted power supply (UPS) building.

By May 2023, all buildings except the gas governor and HV switch room had been demolished. This was confirmed during a site walkover completed by Worley Consulting in November 2024. A summary of the OS maps is presented in below.

Table 3 Historical Information

Date	Onsite	Offsite
1887 (1:10,560 mapping)	Mapping in 1887 shows the gasworks as operational in the southern half of the southern area with two gasholder structures (Gasholders No. 1 & 2) in the southern area of the site and associated infrastructure including the retort house, exhaust house, CWG plant and potential condensers. The remaining site comprises agricultural fields.	The surrounding land comprises agricultural fields to the north, northeast, south and west of the site. Isolated residential housing is located around the site to the southeast and southwest. Railway tracks labelled *London and North Western Railway- South Leicestershire Branch* is shown trending northeast to southwest approximately 550 m south of the site.
1889 (1:2,500 mapping)	No significant changes.	No significant changes.
1903 (1:2,500 mapping)	The gasworks has slightly expanded to the northwest, with the addition of purifier catch boxes, scrubbers and the meter house. The site north of the gas works remains undeveloped agricultural fields. A watercourse running through the northern area is shown in a north-south orientation.	A *Dye Works* factory is shown adjacent to the eastern site boundary. An area previously shown as an agricultural field is now shown as *Allotment Gardens* and residential properties have been constructed along Coventry Road.
1904 (1:10,560 mapping)	No significant changes.	No significant changes.
1924 (1:2,500 mapping)	Gasholder No. 3 has been constructed alongside several chimneys across the southern area. The oxide shed, boiler house and benzol washer are also shown on-site. *Allotment gardens* are shown in the east of the northern area. A *Reservoir* is shown on mapping in the northern area.	The *Allotment Gardens* south of the site adjacent to Coventry Road has been replaced with a *Recreation Ground*.
1925 (1:10,560	No significant changes are shown on-site.	*Allotment Gardens* are shown to the east of the northern area and the *Holy Trinity Church* was

Date	Onsite	Offsite
mapping)		constructed approximately 70 m east of the site. The factory adjacent to the southeastern boundary is still operational as a *Dye Works*. *Allotment Gardens* are shown approximately 500 m southwest of the site.
1938 (1:10,560 mapping)	The largest gasholder, Gasholder No. 4, has been constructed.	The *Dye Works* is still shown on mapping. *Allotment Gardens* are shown approximately 500 m west of the site, adjacent to Battling Brook. The *Allotments* southwest of the site have been converted to residential properties.
1950 Historical Aerial Photograph	Any significant changes are unclear.	Any significant changes are unclear.
1955 (1:10,000 mapping)	No significant changes.	No significant changes.
1961 (1:2,500 mapping)	The gasworks has continued expansion with the addition of the primary purifiers, diesel tanks with some landscaped areas shown in the southern area. In the northern area, *Allotment Gardens* have expanded and are shown in the centre alongside several drainage channels running across the site. Issues are also shown on-site within the northern area. Drains shown are flowing from north to south of the site and then off-site towards Battling Brook. A gravel pit is shown in the southwestern corner of the northern half of site adjacent to an embankment.	A *Cricket Ground* is shown to the west of the site. Beyond, a pond is shown, likely fed by Battling Brook. The *Dye Works* are no longer shown, the buildings are labelled *Factory*.
1968 (1:10,000 mapping)	No significant changes.	Significant expansion of town centre to the east of the site. No other significant changes.
1968 (1:2,500 mapping)	All structures associated with the gas works in the southern area have been demolished apart from Gasholders 3 & 4 and a few of the office buildings adjacent to Coventry Road. A *Gas Governor* and an *Electrical Substation* have been constructed between Gasholders 3 & 4. A *Refuse Tip* is shown in the area of the former Gravel Pit and straddles the boundary between the northern and southern areas. In the northern area, *Settling Tanks* are shown in the southeast area. Two ditches, trending east to west, are shown in the north of the site, which in turn are connected to a central ditch which flows to the stream along the western boundary.	A *Hosiery Factory* is shown where the former *Dye Works* was situated adjacent to the southeastern site boundary. An *Electrical Substation* has been built in the southeastern corner adjacent to the site.
1971 (1:2,500 mapping)	The western side in the northern area shows the *Allotment Gardens* have been removed and the northern area has been converted to the car park in its present configuration. The embankments and access track to the car	Mapping for 1971 is incomplete, however a *Printing Works* is shown 100 m west of the site adjacent to the *Sports Ground*.

Date	Onsite	Offsite
	parking is illustrated alongside landscaped areas around the site boundary. A *Depot* is present in the central western part of the northern area.	
1972 (1:2,500 mapping)	An *Electrical Substation* has been constructed to the west of Block 3.	The *Factory* adjacent to the southwestern site boundary is labelled as a *Printing Works*.
1977 (1:10,000 mapping)	No significant changes.	No significant changes.
1984 (1:10,000 mapping)	The administrative building Blocks 1-5 have been constructed and Gasholder No. 3 has been removed. Gasholder No. 4 is still present on site.	A large factory labelled *Works* is shown immediately adjacent to the southwestern site boundary. The *Radio Mast* is shown in its current configuration adjacent to the southeastern boundary. The tributary to Battling Brook to the west of the site is no longer shown.
1986 (1:2,500 mapping)	No significant changes.	No significant changes.
1987 (1:2,500 mapping)	No significant changes.	The *Clubhouse* adjacent to the northwestern site boundary has been constructed.
1992 (1:2,500 mapping)	No significant changes.	No significant changes.
1993 (1:2,500 mapping)	Gasholder No. 4 has been demolished and the roadway infrastructure is shown in its current configuration.	No significant changes.
1999 (1:10,000 mapping)	No significant changes.	No significant changes.
2024 (1:10,000 mapping)	The administrative buildings are shown on-site; however, these have been demolished with the concrete bases left in-situ as confirmed during the walkover.	The factory to the west of the site has been demolished and a new building (LIDL) has been constructed.

2.4 Previous Site Assessment and Reporting

Reports providing details on previous investigations and works pertaining to the site have been made available to Worley Consulting for review. Due to the number of previous works undertaken, a summary of factual information (relating to intrusive ground investigations) from each report is provided within Appendix A, with relevant information extracted and included throughout the body of this report. Additional reports were provided following the completion of Worley Consulting's Desk Study (2024), which have also been summarised within Appendix A. Full report references are provided within Section 5. Historical logs and figures are presented within Appendix C.

Previous site investigation locations are presented on Figures 4A and 4B. It should be noted that sections have been redacted from several of the reports and some factual information (including intrusive logs) have not been provided.

2.4.1 Previous Remediation Works

A summary of known remedial works is presented below, with further details provided within Worley Consulting's Desk Study (2024) and Worley Parsons Data Review (2013).

- Creosote and coal tar was detected in soils and groundwater during excavation of a sewer - the sewer was replaced, and contamination removed as Special Waste (Celtic, 1998).
- Remediation works occurred in 1993 to the south-west of Block 2 during Capital Project 241. The works included the removal of a tar well to the south of Block 1 (presumed to be Gasholder B), a rectangular tar tank to the south of Block 2 and tar-impacted soils believed to be surrounding Gasholder A (Celtic, 1999). A 'permanent aerobic treatment system' may have been installed however details are unknown. Anecdotal evidence presented within Celtic (1993) indicates that waste material and tar was removed from Gasholders A, B, 1 and 2 prior to construction of Block 1.
- A hydraulic containment unit was constructed by Celtic in 2009 to treat dissolved and free-phase contamination in groundwater at the southern boundary and to mitigate off-site migration. The most recent progress report (Q4 2024) noted that approximately 1,578 kg calculated dissolved phase hydrocarbon mass, 12,184 kg DNAPL and 1,793 kg LNAPL product has been recovered via the hydraulic containment system since the start of the project. A significant proportion (78.3%) of the total mass recovered was attributable to DNAPL.

3. Site Investigation Methodology

3.1 Site Investigation Strategy

The site investigation works were conducted between 29th January and 28th February 2025. Three subsequent monitoring visits were undertaken on:

- 17th March to 20th March 2025
- 7th April to 10th April 2025
- 28th April to 1st May 2025 and 7th May 2025

The site investigation comprised the following scope of works:

- Service clearance survey;
- Drilling of 36 boreholes installed as a groundwater monitoring wells (MW25-01 to MW25-36) to a maximum depth of 14.7 m bgl;
- Excavation of 25 mechanically excavated trial pits (TP25-01 to TP25-25) to a maximum depth of 4.4 m bgl;
- Excavation of 21 vacuum excavated pits installed as vapour wells (VW25-01, VW25-02, VW25-04, VW25-07 to VW25-09, VW25-11A, VW25-12 to VW25-15, VW25-16A to VW25-20A, VW25-21 to VW25-25) to a maximum depth of 1.5 m bgl;
- Excavation of 12 hand-dug pits (HP25-01 to HP25-04, VW25-03, VW25-05, VW25-06, VW25-10, VW25-11, VW25-16, VVW25-19 and VW25-20) to a maximum depth of 0.8 m bgl;
- Groundwater well purging;
- Three monitoring visits to assess groundwater, surface water, ground gas and vapour;
- Collection of a total of 240 soil samples (including duplicates), 143 groundwater samples (including three trip blanks and 12 duplicates) and six surface water samples were collected.
- A total of 60 vapour samples were collected across three monitoring visits.
- Forty four soil samples were submitted for soil leachate analysis from the made ground across the site.
- Topographic survey of the intrusive locations.

Exploratory locations were logged in general accordance with BS5930:2015+A1:2020 and BS EN ISO 14688-1:2018 (British Standard, 2018). Logs include visual and/or olfactory evidence of ground contamination and evidence of buried structures/obstructions.

Field logs are included as Appendix D. Laboratory data is included as Appendix E. Exploratory locations are shown on Figures 5A and 5B.

3.2 Health, Safety and Environmental Management

The site investigation was undertaken under the full-time supervision of a Worley Consulting engineer.

The investigation was carried out in accordance with the Construction (Design and Management) Regulations 2015 (HSE, 2015). Worley Consulting acted as Principal Contractor for the works, with site works undertaken by Worley Consulting approved sub-contractors (detailed below).

The works were conducted in accordance with a site and task-specific phase health and safety plan. This included environmental controls and spill response measures.

3.3 Service Clearance Survey

Prior to the commencement of intrusive works, a service clearance survey was undertaken within the location of each proposed intrusive position.

Underground services were marked out using utility plans supplied by the utility supply companies and site records, before being located by a trained operator (Utility Detection Ltd.) using a Cable Avoidance Tool (CAT), Signal Generator (Genny) and a Ground Penetrating Radar (GPR). Where a signal was detected, the operator marked the route using colour coded spray paint. For hand excavated locations, a competent Worley Consulting engineer undertook the service clearance survey utilising a CAT and Genny.

Service plans, as provided by utility companies, are included in Appendix B and shown on Figures 3A and 3B.

3.4 Borehole Drilling and Groundwater Monitoring Well Installation

Thirty six boreholes were drilled as part of the site investigation works and installed as groundwater monitoring wells. Drilling works were carried out by CC Ground Investigations, using a Fraste rotary/percussive drill rig.

Prior to drilling, the borehole locations were excavated to 1.20 m bgl using hand-digging techniques to clear for services. The boreholes were subsequently drilled to a maximum depth of 14.7 m bgl using dynamic rotary and percussive techniques. All wells were completed with a 50 mm internal diameter, 0.75 mm slotted, high-density polyethylene (HDPE) screen and a filter pack comprising 1-3 mm diameter sand. A hydraulic seal of hydrated bentonite pellets was placed above the filter pack. This prevents the well annulus acting as a conduit for potential surface contamination migrating into deeper strata. The monitoring wells were capped at surface using flush steel covers.

A dual installation was installed within MW25-16A to target two layers of potential contamination. MW25-09 was proposed as a borehole, however, due to site conditions (buried

services, presence of foundations or obstructions), it could not be progressed as a borehole within the proposed location and was therefore installed as VW25-01.

Details of the well installations, observed ground and groundwater conditions, filter packs and borehole dimensions are provided in the borehole logs included in Appendix D and Appended Table A.

Various proposed borehole locations were relocated due to the presence of obstructions or services (MW25-04, MW25-05, MW25-09, MW25-09A, MW25-09B, MW25-13, MW25-15, MW25-15A, MW25-15B, MW25-16, MW25-19, MW25-23, MW25-23A, MW25-28, MW25-30, MW25-30A and MW25-31). Further details are presented within Appendix D.

3.5 Mechanically Excavated Trial Pits

Twenty-five mechanically excavated trial pits were excavated in using a JCB 3CX excavator to a maximum depth of 4.4 meters bgl to investigate former structures and general ground conditions. All exploratory holes were backfilled with arisings in reverse order and suitably compacted.

3.6 Vacuum Excavation and Ground Gas / Vapour Well Installation

Twenty one vacuum excavated pits were excavated as vapour wells to a maximum depth of 1.5 m bgl to investigate the former gasworks Made Ground and assess the potential of ground gas and vapours.

Each vapour monitoring well was completed using 50 mm internal diameter, 0.75 mm slotted, high density polyethylene (HDPE) screen. The slotted well screen was surrounded with 1-3 mm diameter sand (filter pack). A hydraulic seal of hydrated bentonite pellets was placed above the filter pack. This prevents short circuiting. Short circuiting occurs when air from the atmosphere is inadvertently drawn into the sample stream, resulting in a sample that does not accurately reflect sub-surface conditions. The monitoring wells were capped at surface using flush steel covers.

Details of well installations, observed ground and groundwater conditions, filter packs and vapour well dimensions are provided in vapour well logs (Appendix D).

3.7 Shallow Hand-Dug Pits

Twelve hand-dug pits were excavated to a maximum depth of 0.8 m bgl using insulated hand digging tools. Shallow pits were dug to determine gravel cover thickness, provide coverage of shallow ground conditions, and to investigate the presence/ absence of asbestos and gasworks derived contaminants.

VW25-03, VW25-05, VW25-06 and VW25-10 were proposed as vapour wells, however the shallow made ground / shallow groundwater made them unsuitable for installation. Positions for VW25-11, VW25-16, VW25-19 and VW25-20 were relocated due to shallow refusal and were subsequently installed as vapour wells.

All exploratory holes were backfilled with arisings in reverse order and suitably compacted.

3.8 Groundwater Monitoring

Three rounds of groundwater monitoring were undertaken. Groundwater depth was measured at the monitoring point using an oil interface probe. The probe was also used to check for the presence of light non aqueous phase liquid (LNAPL) or dense non aqueous phase liquid (DNAPL). Appended Table A presents the groundwater depth and elevation data obtained during the monitoring rounds.

The wells were purged using a high-flow pump. Three to six times the well volume of water was removed and placed in dedicated drums for off-site disposal.

The wells were sampled using low-flow techniques. Prior to sampling, the water parameters were monitored within the well to establish a stable well field. Once the readings were stable for three consecutive readings (over a minimum period of three minutes) sampling was undertaken. A YSI Pro Quatro Water Quality Meter was used to record in-situ field data which included pH, redox, dissolved oxygen, and conductivity.

Groundwater field parameter data are included in appended Table B and groundwater analytical data are included in appended Table F. Groundwater parameter data is included in Appended Table B.

3.9 Surface Water

Surface water samples were collected from the Battling Book approximately 100 m to the north and northwest of the site during the three monitoring visits. Two samples were collected during each monitoring round; one from an accessible location upstream relative to site and one from a location downstream relative to site. Sample locations are shown on Figure 5A.

A YSI Pro Quatro Water Quality Meter was used to record in-situ field data which included pH, redox, dissolved oxygen, and conductivity. Surface water field parameter data is included in Appended Table B and surface water analytical data is included in Appended Table G.

3.10 Vapour and Ground Gas Monitoring

Ambient air monitoring and vapour/ground gas sampling was undertaken by Worley Consulting engineers on three separate occasions as detailed in Section 3.1.

Atmospheric readings and weather parameters were recorded before and after sampling on each monitoring round. Vapour wells were first screened for volatile compounds (naphthalene and benzene, toluene, ethylbenzene and xylenes (BTEX)) using a Photo Ionisation Detector (PID). After this, vapour wells were purged using a GFM 436 gas analyser until readings became stable, gas concentrations were recorded. Methane, carbon monoxide and hydrogen sulphide levels were monitored alongside carbon dioxide and oxygen levels. An evacuated SUMMA canister was then attached to the well via a dedicated sample train and associated airtight tubing. The gas taps were opened and the SUMMA canister filled with air from the vapour well. These were then sent i2 Analytical for chemical analysis of volatile contaminants.

In-situ vapour sampling data is provided in Appended Table C. Analytical vapour data is included in Appended Table H.

3.11 In-Situ Permeability Testing

In-situ permeability testing was undertaken during the first monitoring visit within the following wells:

- MW25-03 (Wolston Clay Member);
- MW25-05A (Wolston Sand & Gravel/ Wolston Clay Member);
- MW25-19A (Wolston Sand & Gravel); and,
- MW25-28A (Wolston Sand & Gravel).

Permeability testing was attempted in MW25-06 (Wolston Clay Member) within Area A, however, due to shallow groundwater overtopping the borehole, testing was abandoned. Permeability testing data is provided in appended Table I.

3.12 Topographic Survey

Following completion of the intrusive works, a topographic survey was undertaken. The survey included the position and level of all intrusive locations, in addition to general site layout and features (including vegetation, former governor compound boundaries and site boundaries). The works were carried out by Malcolm Hughes Ltd. Topographic data is included in Appendix F.

3.13 Waste

Waste generated during the intrusive works were removed by Acorn Waste Ltd; a licensed waste carrier. Waste transfer notes are included in Appendix G.

3.14 Sampling and Laboratory Analysis

A total of 240 soil samples (including 18 duplicate samples), 143 groundwater samples (including 12 duplicate samples and three trip blanks), six surface water samples and 60 vapour samples were collected during the site investigation works and sent to i2 Analytical Ltd and Element (Basic NAPL Suite only) for chemical analysis. i2 Analytical and Element are UKAS and MCERTS accredited laboratories that are audited and approved by Worley Consulting.

Analytical data for soil, soil leachate, groundwater, surface water and vapour are provided in Appended Tables D-H. Samples were scheduled for a combination of determinands, as summarised within Table 4.

In-situ testing, using a photo-ionisation detector (PID) was undertaken on all soil samples to provide an indication as to the presence of volatile contaminants. PID values are included on logs in Appendix D.

Laboratory reports are included as Appendix E.

Table 4 Laboratory analysis

No. of samples analysed	Determinands
	Soils
167	Standard soil suite: general inorganics, speciated phenols, 16 USEPA Polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPH) (total) and heavy metals
68	Standard soil suite with speciated TPH (TPH-CWG)
25	Fraction of organic carbon (FOC)
25	Total organic carbon (TOC)
27	Volatile organic compounds (VOCs)
11	Semi volatile organic compounds (SVOCs)
2	Polychlorinated biphenyls (PCBs)
75	Asbestos identification (ID)
15	Asbestos quantification
6	Hazardous waste classification
4	Coal tar analysis
	Soil Leachate
44	Standard soil leachate suite: general inorganics, speciated phenols, 16 USEPA PAHs, TPH (total), BTEX and heavy metals
24	Standard soil leachate suite with TPH-CWG
	Groundwater and Surface Water
149	Standard groundwater suite: general inorganics, speciated phenols, 16 USEPA PAHs, TPH-CWG, and heavy metals
149	Hardness, alkalinity, calcium, dissolved organic carbon (DOC)
21	VOCs
8	SVOCs
22	BTEX
5	PCBs
1	Basic NAPL Suite: whole oil fingerprint, TPH-CWG, density and viscosity
	Vapour
56	Full vapour suite: TO15 VOC, PRO, TPH-CWG, BTEX and top ten VOC Tentatively Identified Compounds (TICs)
4	TO-15 VOC + TICS Suite

4. Site Investigation Findings

Due to the size of the site, variable nature of geology and location of historical features, the site has been divided into three areas: Area A (north), Area B (south, majority of the site where former features were) and Area C (east).

4.1 Ground Conditions

The predominant surface cover in all exploratory locations was gravel cover, wood chippings or vegetation. Made ground was identified underlying surface cover in all locations. A summary of identified ground conditions is presented in Table 5 below. Exploratory hole logs are presented in Appendix D.

It should be noted that the Wolston Clay Member is also called the Bosworth Clay Member and the Wolston Sand & Gravel Formation is also recorded as the Wigston Sand and Gravel Member (BGS, 2025), however, to allow for consistency with previous investigations, "Wolston Clay Member" and "Wolston Sand and gravel" have been utilised throughout this report.

Table 5 Summary of Ground Conditions

Strata	Description	Depth to top (m bgl)	Depth to bottom (m bgl)	Thickness* (m)
Area A (MW25-02, MW25-03, MW25-06, TP25-01 to TP25-03, VW25-02 to VW25-04, VW25-23, VW25-24, HP25-01 to HP25-04)				
Made ground	Grass / gravel / tarmacadam over reinforced concrete onto brown sandy GRAVEL. Gravels generally comprise mudstone, quartzite and sandstone with occasional tarmacadam, slate, coal, charcoal, clinker, concrete and redbrick.	0.0	0.5 – 1.0	0.5 – 1.0
Superficial - Wolston Sand & Gravel Formation	Yellowish brown SAND with gravels of sandstone. Encountered in southeastern corner - VW25-23 only (previously encountered in nearby historical borehole WS15, Wood, 2020)	0.5	>1.5	>1.0
Superficial - Wolston Clay Member	Firm to stiff brownish grey /greyish brown / grey silty CLAY. Grey / brown slightly clayey sandy SILT. Greyish brown / greenish grey slightly clayey slightly gravelly silty SAND. Occasional pockets or organic material, flint and quartzite observed. Running sands are reported in the northeast of the site (BGS, 2024). In-situ observations correlate to cross-section E-F (Figure 9) in SIMON Hydrotechnica (1993).	0.4 – 1.0	>14.7	>13.9

Strata	Description	Depth to top (m bgl)	Depth to bottom (m bgl)	Thickness* (m)
Area B (CBH102, 104, 108, 112, 124, 126, 129 & 130, MW25-04A, MW25-05, MW25-05 to MW25-27, MW25-29 to MW25-36, VW25-01, VW25-08 to VW25-22, VW25-25, TP25-04 to TP25-13, TP25-18 to TP25-25)				
Made ground – outside former structures	Dark grey and brown sandy angular to sub-rounded fine to coarse cobbly GRAVEL of limestone, sandstone, shale, concrete and occasional yellow brick	0.0	0.8 – 2.60	0.8 – 2.60
Made ground – inside former structures	Dark grey and brown sandy angular to sub-rounded fine to coarse cobbly GRAVEL of limestone, sandstone, shale, concrete, ash and occasional yellow brick and coke.	0.0	0.6 - 9.45	0.6 - 9.45
Superficial - Wolston Sand & Gravel Formation[$]	Light yellowish/ brown occasionally orange/red sand and gravel with coal, quartzite and chalk fragments.	1.2 – 2.6	3.35 – 8.9	2.15 – 6.9
Superficial - Wolston Clay Member[$]	Dark grey and brown stoneless clay and silt, laminated in part with sand bands and isolated lenses.	3.35 – 9.45	5.5 – >10.5	Base of formation not proven
Superficial - Thrussington Till	Red-brown stony clay.	-	-	Formation not encountered during investigation
Bedrock - Mercia Mudstone	Red gypsiferous mudstone	-	-	Formation not encountered during investigation
Area C (MW25-26, MW25-28, MW25-28A, TP24-14 to TP25-16, VW25-05 to VW25-07)				
Made ground	Tarmacadam onto brown and grey slightly silty slightly gravelly SAND and slightly silty slightly sandy GRAVEL. Gravels generally comprise limestone and sandstone with occasional tarmacadam, shale, coal, coke, metal, concrete and brick	0.0	0.4 – 2.0	0.4 – 2.0
Superficial - Oadby Till Member	Stiff grey brown / reddish brown mottled greyish brown slightly sandy slightly gravelly CLAY. Gravels comprise chalk, coal and sandstone. Encountered in TP25-15, MW25-26, MW25-28A VW25-05 and VW25-06.	0.4 - 1.2	3.7 - 5	1.95 - 3.8
Superficial - Wolston Sand & Gravel Formation	Reddish orange onto light brown slightly silty, slightly gravelly SAND. Gravel comprises quartzite and coal. Encountered in MW25-26 and MW25-28A.	3.7 - 5	> 10.2	Base of formation not proven

* where proven.

[$] The Wolston Sand and Gravel Formation and the Wolston Clay Member are of the same depositional era (Envirocheck, 2025), suggesting they can be interlayered.

4.2 Former Structures / Features and Visual / Olfactory Evidence of Contamination

A summary of former structures / below ground features, alongside visual observations and olfactory evidence of possible land contamination noted during the ground investigation, is presented within Appendix D.

4.3 Groundwater Observations

The groundwater strikes across the site were observed at various depths across the boreholes and trial pits.

During the intrusive works, perched water and groundwater strikes were recorded between 0.4 m bgl (VW25-03 & MW25-21) and 6.4 m bgl (MW25-26). Perched water was noted in several hand-dug pits as slow water seepages.

Within Area A, resting groundwater levels at the site were measured between 103.32 m Above Ordnance Datum (m AOD) in MW25-03 to 105.7 m AOD in MW25-06 during the first monitoring round. All monitoring wells are screened within the Wolston Clay Member Formation.

Within Area B, resting groundwater levels of wells installed within the Wolston Sand & Gravel were measured between 104.82 m AOD (CBH102) to 107.72 m AOD (MW25-16A-D) during the first monitoring round. Resting water levels were recorded between 104.78 m AOD to 107.76 m AOD during the second visit and between 104.78 m AOD to 107.81 m AOD during the final visit.

Monitoring wells screened within the made ground recorded resting groundwater levels between 104.59 m AOD (MW25-08) to 110.08 m AOD (MW25-17) during the first monitoring round. Resting water levels were recorded between 104.59 m AOD to 110.05 m AOD during the second monitoring round and between 104.74 m AOD to 110.09 m AOD within the same monitoring wells.

Within Area C, resting groundwater levels at the site were measured at 107.11 m AOD in MW25-28A, which is installed within the Wolston Sand & Gravel Formation.

During monitoring visits, faint hydrocarbon odours were noted in MW25-08, MW25-10, MW25-12, MW25-15C and MW25-29. No NAPL or sheens were observed.

A moderate to strong odour without NAPL or sheen was observed in MW25-09C, MW25-16A-D, MW25-17, MW25-20, MW25-27 and CBH126. Moderate to strong odours alongside sheens were noted in MW25-13A, MW25-16A-S, MW25-23B and MW25-33.

NAPL globules were encountered within the saturated Wolston Sand & Gravel deposits in MW25-16A, MW25-23B, MW25-25 and MW25-33 during the intrusive site investigation. During subsequent monitoring visits, a measurable thickness of free-phase Non-Aqueous Phase Liquid (NAPL) was encountered within MW25-23B only. During the subsequent monitoring visits thicknesses between 0.27-0.3 m were recorded.

4.4 Quality Assurance/Quality Control (QA/QC)

Quality Assurance/Quality Control (QA/QC) analysis has been undertaken on duplicate samples.

An assessment of duplicate variation was carried out as an assessment of sampling and laboratory precision. For comparison between duplicates, a calculation of relative percentage difference (RPD) was carried out. For this assessment, RPD is defined as the difference over average for duplicates. Contaminants with an RPD greater than 30% are flagged.

Table 6 summarises the duplicate soil, groundwater and soil vapour samples collected during the site investigation and subsequent monitoring.

Table 6 Duplicate Soil Samples

Soil			Groundwater	
Duplicate sample	Parent sample	Depth of sample (m bgl)	Duplicate sample	Monitoring round
DUP 1	MW25-03	3.0	MW25-03	1
DUP 2	MW25-04A	2.1	MW25-28A	1
DUP 3	MW25-06	2.5	MW25-36	1
DUP 4	MW25-11	6.5	CBH108	1
DUP 5	MW25-12	5.25	MW25-01	2
DUP 6	MW25-14	2.7	MW25-02	2
DUP 7	MW25-19A	4.5	MW25-06	2
DUP 8	MW25-21	5.2	CBH108	2
DUP 9	MW25-20	9.9	MW25-01	3
DUP 10	MW25-23B	2.6	MW25-02	3
DUP 11	MW25-24	6.2	MW25-03	3
DUP 12	MW25-25	6.5	MW25-06	3
DUP 13	MW25-26	2.0	Soil Vapour	
DUP 14	MW25-27	9.3	VW25-23	1
DUP 15	MW25-28A	8.0	VW25-23	2
DUP 16	MW25-32	6.2	VW25-17	3
DUP 17	MW25-15C	8.8	-	-
DUP 18	MW25-36	4.6	-	-

RPDs within the duplicate soil results were generally considered to be within a reasonable degree of variance (<30%). Greater variances were identified in organics: PAHs within MW25-24 and MW25-25; and BTEX within MW25-25 and MW25-27, although BTEX were usually within the same order of magnitude. Greater variances of PAHs within MW25-25 at 6.5 m bgl

are likely due to mild contamination noted within this borehole. Variances of PAHs within MW25-24 at 6.5 m bgl are due to the parent sample showing concentrations below the limit of detection, whereas the duplicate sample shows concentrations an order of magnitude above. No visual or olfactory contamination was noted within this borehole at 6.5 m bgl. The PAH data has been reviewed by the lab and all quality control checks were found to be within defined criteria, indicating no issues with the instrumental analysis. Further examination of the chromatographic data has confirmed that all peaks have been correctly integrated and assigned, suggesting that differences within the reported TPHs are due to the soils and, contaminants within, being heterogeneous.

RPDs within the duplicate groundwater results were generally considered to be within a reasonable degree of variance (<30%) with some minor exceptions. Within inorganics analysed, the RPD was exceeded for cyanide, complex cyanide, thiocyanate, ammonium, ammoniacal nitrogen and total suspended solids. Recorded RPDs were between 34.4% - 152.2%. As the recordable concentrations for these are below 0.2 $mg.L^{-1}$, a relatively small change in value results in a high RPD value. Similarly, exceedances of the RPD within PAHs are exacerbated due to the limit of detection (0.00001 $mg.L^{-1}$). Hardness only marginally exceeds with a RPD of 31.3%.

Three groundwater 'trip blanks' were analysed for each monitoring round with concentrations generally being below the limit of detection (with the exception of sulphate, calcium, copper and zinc). Concentrations for copper in trip blank samples were at concentrations above the EQS screening criteria in the first two monitoring rounds.

RPDs within the duplicate vapour results were generally considered to be within a reasonable degree of variance (<30%) with some minor exceptions. The RPD was exceeded for ethanol within two of the three rounds and for styrene for all three monitoring rounds. Some TPH fractions also exceeded. Generally, the results of the duplicate sample analysis correlated with that of their parent sample (within the same order of magnitude).

Soil and groundwater chemical data generally correlated with observed field conditions.

It is considered that the soil, groundwater and vapour chemical data is fit for purpose.

5. References & Sources of Information

Author/ Publisher	Date	Title
Amec Foster Wheeler	January 2018	Amec Foster Wheeler, January 2018 'Data Review for Brick Kiln Street, Hinckley', 39959-02 R003i2
Amec Foster Wheeler	February 2018	Amec Foster Wheeler, February 2018 'Hinckley/Lidl Land Swap Interpretative Letter Report (Site Code 0326)', 39959-02 R005i1
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Celtic	March 1999	Celtic, March 1999, 'Transco Electrical Enhancement Works, Interpretative Environmental Assessment Report', R440/99/905A
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Celtic Englobe (Celtic)	2009 - 2019	Celtic Englobe (Celtic), Series of Groundwater Hydraulic Containment System Progress Reports
EA	2019	Catchment Data Explorer - Sketchley Brook from Source to River Anker Water Body. https://environment.data.gov.uk/catchment-planning/v/c3-plan/WaterBody/GB104028042470
Environment Agency	2024	Flood map for planning: https://flood-map-for-planning.service.gov.uk/
Environment Agency	2023	Groundwater protection: https://www.gov.uk/government/collections/groundwater-protection
Environment Agency	2020	Land contamination risk management (LCRM): https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm/lcrm-before-you-start
Environment Agency and Defra	2004	Model procedures for the management of land contamination. Contaminated Land Report 11 (CLR11)
GOV.UK	2015	The Water Environment (Water Framework Directive) (England and Wales) (Amendment) Regulations 2015 https://www.legislation.gov.uk/uksi/2015/1623/resources

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GOV.UK	2020	Land Contamination Risk Management https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm
GOV.UK	2024	Long Term Flood Risk maps https://check-long-term-flood-risk.service.gov.uk/risk#
Worley Consulting	December 2024	Worley Consulting, December 2024, 'Phase 1 Desk Study, Brick Kiln Street, Hinckley', 415001-00017_004: Rev A
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WorleyParsons	April 2013	Worley Parsons, April 2013, 'Project Core: Human Health Environmental Assessment Works, Interpretative Report, Brick Kiln Street, Hinckley'. 305008-00018/51529-02
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Wood	July 2020	Wood, July 2020, 'Interpretive Site Investigation Report', 41727-WOD-XX-XX-RP-OC-0002-A_C01, Final (northern half of site).
Wood	Dec 2020	Wood, December 2020, 'Interpretive Letter Report', 806504-WOOD-XX-XX-RP-OC-00001_A_C01 (northern half of site).
Wood	Dec 2020	Wood, December 2020, 'Factual Land Condition Summary Report', 806504-WOOD-XX-XX-RP-OC-00002_A_C01, Final (northern half of site).
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Zetica UXO	2024	Online Risk Maps, https://zeticauxo.com/downloads-and-resources/risk-maps/

PLATES

Plate 1. Site access off Brick Kiln Street. Aspect south.

Plate 2. Photo of Area B. Aspect east.

Plate 3. Photo of Area B. Aspect southwest.

Plate 4. Photo of Area B. Aspect southeast.

Plate 5. Photo of Area A. Aspect south.

Plate 6. Photo of Area C. Aspect east.

Plate 7. Photo of MW25-01 arisings between 1.20 – 10.0 m.

Plate 8. Photo of MW25-02 arisings between 1.20 – 5.70 m.

Plate 9. Photo of MW25-03 arisings between 1.20 – 14.70 m.

Plate 10. Photo of MW25-04A arisings between 1.20 – 5.50 m.

Plate 11. Photo of MW25-05 arisings between 1.20 – 10.0 m.

Plate 12. Photo of MW25-06 arisings between 1.20 – 7.20 m.

Plate 13. Photo of MW25-07 arisings between 1.20 – 8.50 m.

Plate 14. Photo of MW25-08 arisings between 1.20 – 5.70 m.

Plate 15. Photo of MW25-09C arisings between 1.20 – 9.70 m.

Plate 16. Photo of MW25-10 arisings between 1.20 – 9.20 m.

Plate 17. Photo of MW25-11 arisings between 1.20 – 8.20 m.

Plate 18. Photo of MW25-12 arisings between 1.20 – 8.20 m.

Plate 19. Photo of MW25-13A arisings between 1.20 – 5.20 m.

Plate 20. Photo of MW25-14 arisings between 1.20 – 7.00 m.

Plate 21. Photo of MW25-15C arisings between 1.20 – 10.50 m.

Plate 22. Photo of MW25-16A arisings between 1.20 – 5.40 m.

Plate 23. Photo of MW25-17 arisings between 1.20 – 5.30 m.

Plate 24. Photo of MW25-18 arisings between 1.20 – 6.00 m.

Plate 25. Photo of MW25-19A arisings between 1.20 – 7.20 m.

Plate 26. Photo of MW25-20 arisings between 1.20 – 10.0 m.

Plate 27. Photo of MW25-21 arisings between 1.20 – 5.70 m.

Plate 28. Photo of MW25-22 arisings between 1.20 – 4.00 m.

Plate 29. Photo of MW25-23B arisings between 1.20 – 10.20 m.

Plate 30. Photo of MW25-24 arisings between 1.20 – 7.20 m.

Plate 31. Photo of MW25-25 arisings between 1.20 – 10.30 m.

Plate 32. Photo of MW25-26 arisings between 0.60 – 7.20 m.

Plate 33. Photo of MW25-27 arisings between 1.20 – 10.0 m.

Plate 34. Photo of MW25-28A arisings between 1.20 – 10.20 m.

Plate 35. Photo of MW25-29 arisings between 1.20 – 10.0 m.

Plate 36. Photo of MW25-30B arisings between 1.20 – 6.30 m.

Plate 37. Photo of MW25-31A arisings between 0.95 – 7.00 m.

Plate 38. Photo of MW25-32 arisings between 1.15 – 8.00 m.

Plate 39. Photo of MW25-33 arisings between 1.20 – 6.00 m.

Plate 40. Photo of MW25-34 arisings between 0.75 – 8.70 m.

Plate 41. Photo of MW25-35 arisings between 1.20 – 7.20 m.

Plate 42. Photo of MW25-36 arisings between 1.20 –6.80 m.

Plate 43. Photo of TP25-01 between GL – 4.40 m.

Plate 44. Photo of TP25-02 between GL – 3.60 m.

Plate 45. Photo of TP25-03 between GL – 3.60 m.

Plate 46. Photo of TP25-04 between GL – 2.0 m.

Plate 47. Photo of TP25-05 between GL – 2.30 m.

Plate 48. Photo of TP25-06 between GL – 2.00 m.

Plate 49. Photo of TP25-07 between GL – 2.00 m.

Plate 50. Photo of TP25-08 between GL – 2.50 m.

Plate 51. Photo of TP25-09 between GL – 4.00 m.

Plate 52. Photo of TP25-10 between GL – 2.90 m.

Plate 53. Photo of TP25-11 between GL – 1.50 m.

Plate 54. Photo of TP25-12 between GL – 1.90 m.

Plate 55. Photo of TP25-13 between GL – 1.30 m.

Plate 56. Photo of TP25-14 between GL – 2.0 m.

Plate 57. Photo of TP25-15 between GL – 2.0 m.

Plate 58. Photo of TP25-16 between GL – 1.40 m.

Plate 59. Photo of TP25-17 between GL – 2.40 m.

Plate 60. Photo of TP25-18 between GL – 4.0 m.

Plate 61. Photo of TP25-19 between GL – 3.70 m.

Plate 62. Photo of TP25-20 between GL – 2.70 m.

Plate 63. Photo of TP25-21 between GL – 1.70 m.

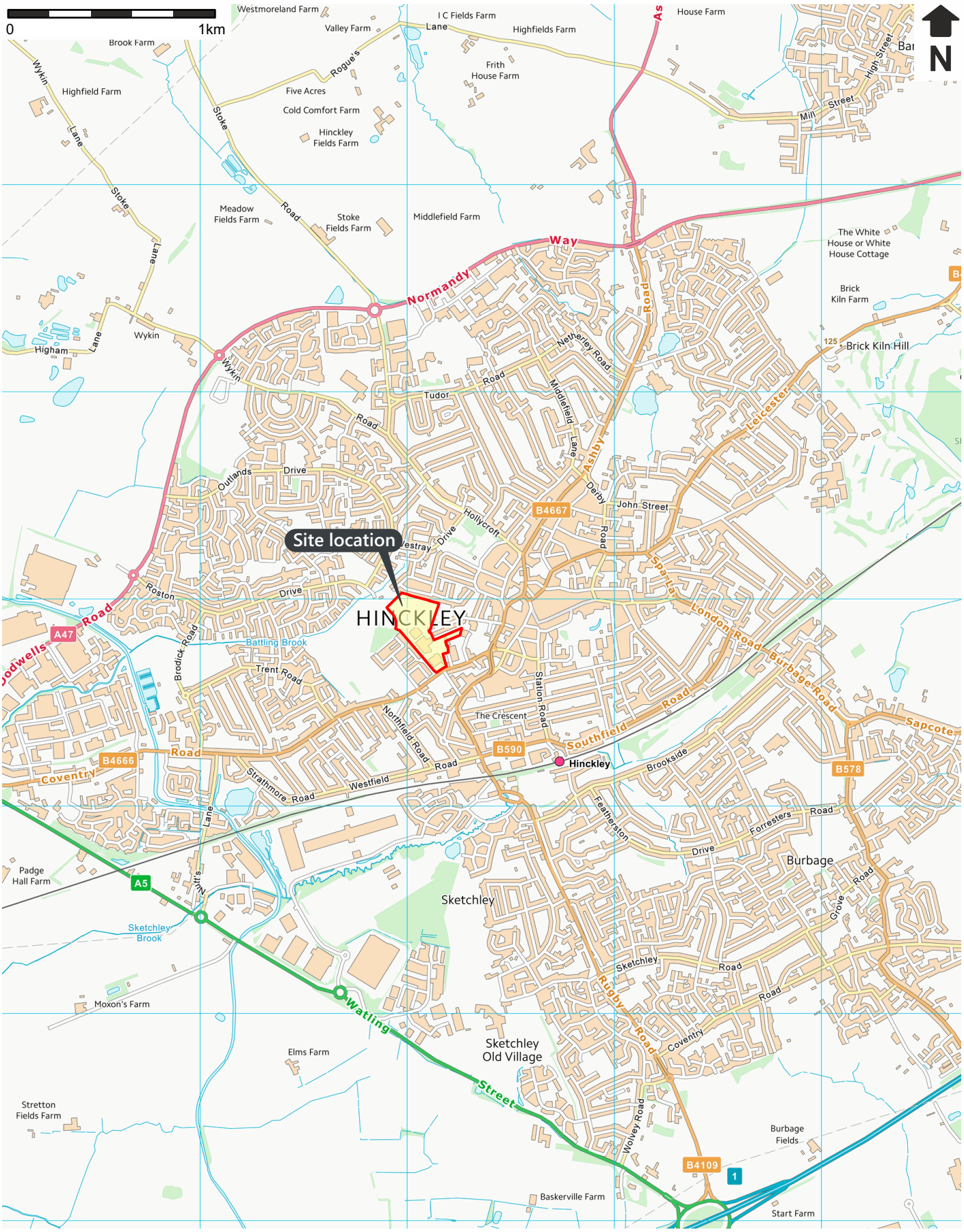
Plate 64. Photo of TP25-22 between GL – 2.50 m.

Plate 65. Photo of TP25-23 between GL – 1.0 m.

Plate 66. Photo of TP25-24 between GL – 1.30 m.

Plate 67. Photo of TP25-25 between GL – 1.40 m.

FIGURES



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PROJECT: 00401
BRICK KILN STREET, HINCKLEY

CADENT GAS LIMITED

SITE LOCATION PLAN

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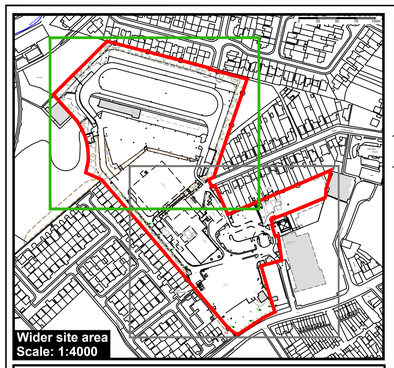

Note: Locations and features shown are overlaid from relevant historical maps, site plans and reports (see report text for details). *All locations shown are approximate and are to be used for indicative purposes only.*

0 25 50m N

Clarendon Park

Residential properties

11

1

47

51

53

2

Area A

Car Park

Disused Block
(Approx. position)

Block 4A
(demolished)

Gymnastics centre

Park

EV charging points
(approximate location)

Sloped embankment

Sloped embankment

Sloped embankment

Sloped embankment

Block 4
(demolished)

Block 3A
(demolished)

30

44

54

Trinity Vicarage Road

43

51

Furniture store
(demolished)

Gas Governor

Legend

- Cadent Gas depot boundary (approximate)
- Cadent Gas internal areas boundary
- Current structures
- Concrete foundations of demolished structures

Ground cover (approximate)

- Hard standing
- Vegetation
- Gravel cover
- Bare soil

Approximate Site Centre: (442071, 293810)

References:

Malcolm Hughes Surveys, Site Investigation Locations, ref. 62725/1, 10/03/2025
Target Designs Drainage Layout, ref. 152127-001 rev. E, October 2006
Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3522/B2, 23/06/08
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Celtic Technologies Ltd, Drawing No. D440M/99/905D & 905A- Exploratory Holes/Borehole Locations, March-April 1999
Basemap derived from Target Designs Site Plan Showing All Services, ref. 141/034-004/Rev A, 23/02/2000

PROJECT: 00401
BRICK KILN STREET, HINCKLEY

CADENT GAS LIMITED

SITE LAYOUT

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FIGURE 2A

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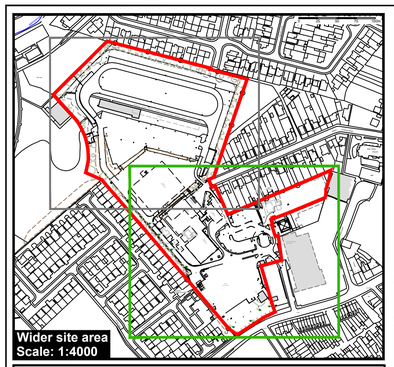

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0 25 50m N

Area B

Area C

Block 4 (demolished)

Block 3A (demolished)

Block 3 (demolished)

Block 5 (demolished)

Block 2 (demolished)

Block 1 (demolished)

Trinity Vicarage Road

54

43

51

33

31a

Furniture store (demolished)

Store (demolished)

Gas Governor

The Meeting Centre

Car Park

Car Park

Car Park

Car Park

Car Park

Radio Mast

Admin garage/store (demolished)

Supermarket

Diesel generator (demolished)

El Sub Sta (demolished)

Former pond

UPS Room (demolished)

Posts

19

29

11

8

31

11

7

1

12

2

Ferry Pickering Close

Brick Kiln Street

Water filled excavation (approx.)

Biogenie compound (approx. position)

Tanks

Concrete Caisson

Hydraulic containment system

Former tank (Removed)

19 to 37

39 to 49

ESS

Residential properties Former Works (demolished)

57

Security lodge (demolished)

HV switch room

Site entrance

Tank (potentially water or diesel - removed)

Electricity sub-station (generator room & HV switch room)

El Sub Sta

Brick Kiln Street

LB

110.6m

Coventry Road

109.4m

104

94

84

Legend

- Cadent Gas depot boundary (approximate)
- Cadent Gas internal areas boundary
- Current structures
- Concrete foundations of demolished structures

Ground cover (approximate)

- Hard standing
- Vegetation
- Gravel cover
- Bare soil

Approximate Site Centre: (442071, 293810)

References:
Malcolm Hughes Surveys, Site Investigation Locations, ref. 62725/1, 10/03/2025
Target Designs Drainage Layout, ref. 1521/27-001 rev. E, October 2006
Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3522/B2, 23/06/08
Celtic Technologies Ltd, Drawing No. D440M/A/2485/A2- Site Layout, January 2005
Celtic Technologies Ltd, Drawing No. D440M/A/2201- Historical Summary, April 2003
Celtic Technologies Ltd, Drawing No. D440M/99/905D & 905A- Exploratory Holes/Borehole Locations, March-April 1999
Basemap derived from Target Designs Site Plan Showing All Services, ref. 141/034-004/Rev A, 23/02/2000

PROJECT: 00401
BRICK KILN STREET, HINCKLEY

SITE LAYOUT

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FIGURE 2B

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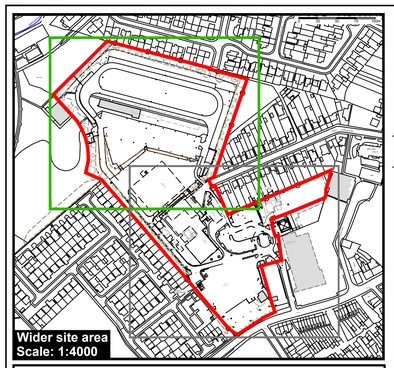

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0 25 50m N

Clarendon Park

Residential properties

11

1

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2

Area A

Car Park

Disused Block
(Approx. position)

Gymnastics centre

Block 4A
(demolished)

Block 4
(demolished)

Block 3A
(demolished)

Park

EV charging points
(approximate location)

Sloped embankment

Overflow

(AR) Old SW Line

Drainage Channel

Trinity Vicarage Road

From road
public drain

44

54

43

51

Furniture store
(demolished)

Gas Governor

(Unclear from services plan if HV cable is present)

NOT LOCATED

CAPPED

VENT

Legend

- Cadent Gas depot boundary (approximate)
- Cadent Gas internal areas boundary
- Current structures
- Concrete foundations of demolished structures

Services (overlaid from Utility Plans as listed)

- Gas (LP) / (MP) — Cadent Gas, ref. 35764744, 19/12/2024
- Electricity (U/G, HV) / (U/G, LV) — National Grid Electricity Distribution, ref. 35764744, 19/12/2024
- Water main — Severn Trent, ref. 1655254-2_Clean Water Plan, 09/01/2025
- Foul/combined sewer / Surface drainage — Severn Trent, ref. 1655254-3_Wastewater Plan, 09/01/2025
- Telecoms (U/G) — BT Openreach, ref. SBA111088, 10/01/2025
- Fibre-optic cables — Zayo Group, ref. 35764744, 19/12/2024
- Fibre-optic cables — Virgin Media, ref. 1655254-1_Telecoms Plan, 09/01/2025
- CW / FW cable — OCU Group, Plant Enquiries_Google Earth image, 09/01/2025
- Fibre-optic cables — CityFibre, ref. Existing Plant, ref. CFH_EO_000001, 09/01/2025

Services (Target Designs Layout, 2006)

- Foul Drainage
- Foul Pumping main
- Surface Water/Storm Drainage

Services (Celtic, 2008)

Celtic, Site Services, ref. D1191/3447/A2, 14/07/2008

- Electricity
- Electricity (earth cables)
- Gas
- Gas (plotted from records)
- Water / Drainage
- Foul / Storm
- Telecoms
- Band of cables (possible fibre-optic)
- Band of fibre-optic cables
- Redundant
- CCTV

Approximate Site Centre: (442071, 293810)

References:
Malcolm Hughes Surveys, Site Investigation Locations, ref. 62725/1, 10/03/2025
Target Designs Drainage Layout, ref. 152/127-001 rev. E, October 2006
Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3522/B2, 23/06/08
Celtic Technologies Ltd, Drawing No. D440M/A/2485/A2- Site Layout, January 2005
Celtic Technologies Ltd, Drawing No. D440M/A/2201- Historical Summary, April 2003
Celtic Technologies Ltd, Drawing No. D440M/99/905D & 905A- Exploratory Holes/Borehole Locations, March-April 1999
Basemap derived from Target Designs Site Plan Showing All Services, ref. 141/034-004/Rev A, 23/02/2000

PROJECT: 00401
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CADENT GAS LIMITED

COMPOSITE SERVICES PLAN

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PM	DRAFT	-	A1	MAY 2025	1:400	LONDON

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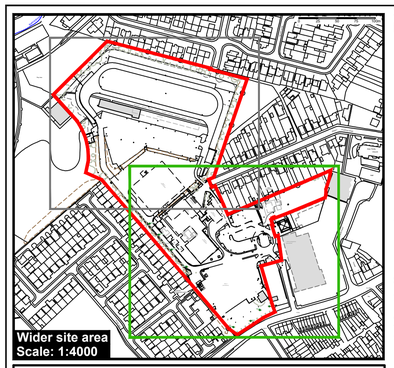
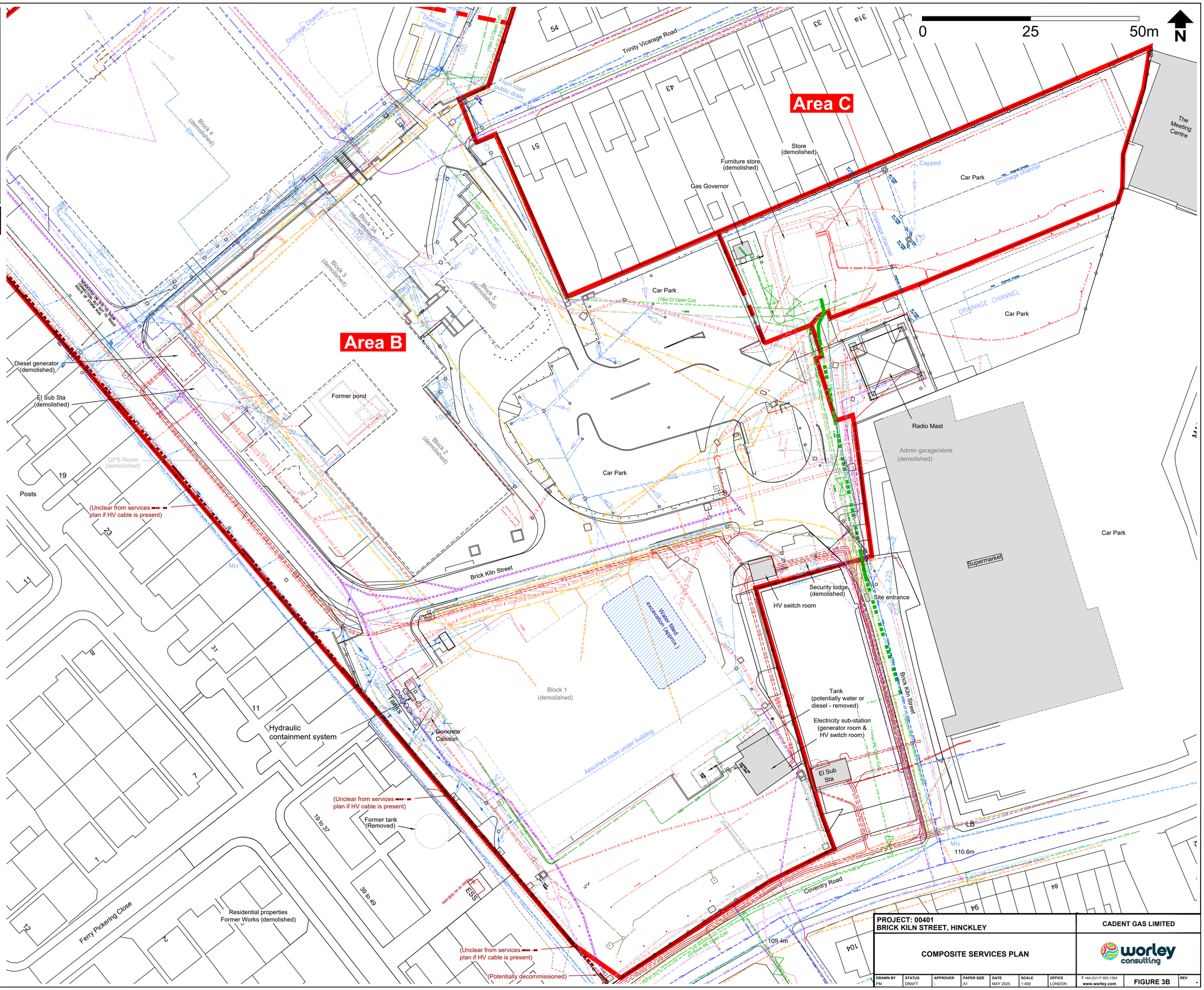
FIGURE 3A

REV -



Note: Locations and features shown are overlaid from relevant historical maps, site plans and reports (see report text for details). *All locations shown are approximate and are to be used for indicative purposes only.*



Legend

- Cadent Gas depot boundary (approximate)
- Cadent Gas internal areas boundary
- Current structures
- Concrete foundations of demolished structures

Services (overlaid from Utility Plans as listed)

- Gas (LP) — (MP)
  Cadent Gas, ref. 35764744, 19/12/2024
- Electricity (U/G, HV) — (U/G, LV)
  National Grid Electricity Distribution, ref. 35764744, 19/12/2024
- Water main
  Severn Trent, ref. 1655254-2_Clean Water Plan, 09/01/2025
- Foul/combined sewer — Surface drainage
  Severn Trent, ref. 1655254-3_Wastewater Plan, 09/01/2025
- Telecoms (U/G)
  BT Openreach, ref. SBA111088, 10/01/2025
- Fibre-optic cables
  Zayo Group, ref. 35764744, 19/12/2024
- Fibre-optic cables
  Virgin Media, ref. 1655254-1, Telecoms Plan, 09/01/2025
- CW / FW cable
  OCU Group, Plant Enquiries_Google Earth image, 09/01/2025
- Fibre-optic cables
  CityFibre, ref. Existing Plant, ref. CFH_EO_000001, 09/01/2025

Services (Target Designs Layout, 2006)

- Foul Drainage
- Foul Pumping main
- Surface Water/Storm Drainage

Services (Celtic, 2008)

Celtic, Site Services, ref. D1191/3447/A2, 14/07/2008

- Electricity
- Electricity (earth cables)
- Gas
- Gas (plotted from records)
- Water — Drainage
- Foul — Storm
- Telecoms
- Band of cables (possible fibre-optic)
- Band of fibre-optic cables
- Redundant
- CCTV

Approximate Site Centre: (442071, 293810)

References:
Malcolm Hughes Surveys, Site Investigation Locations, ref. 62725/1, 10/03/2025
Target Designs Drainage Layout, ref. 152127-001 rev. E, October 2006
Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3522/B2, 23/06/08
Celtic Technologies Ltd, Drawing No. D440M/A/2495/A2- Site Layout, January 2005
Celtic Technologies Ltd, Drawing No. D440M/A/2201- Historical Summary, April 2003
Celtic Technologies Ltd, Drawing No. D440M/99/905D & 905A- Exploratory Holes/Borehole Locations, March-April 1999
Basemap derived from Target Designs Site Plan Showing All Services, ref. 141/034-004/Rev A, 23/02/2000

PROJECT: 00401
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CADENT GAS LIMITED

COMPOSITE SERVICES PLAN

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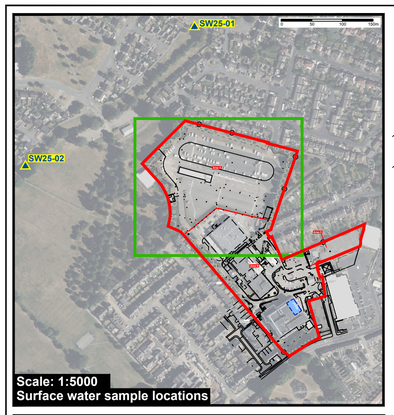
PM	DRAFT	-	A1	MAY 2025	1:400	LONDON	www.worley.com		-



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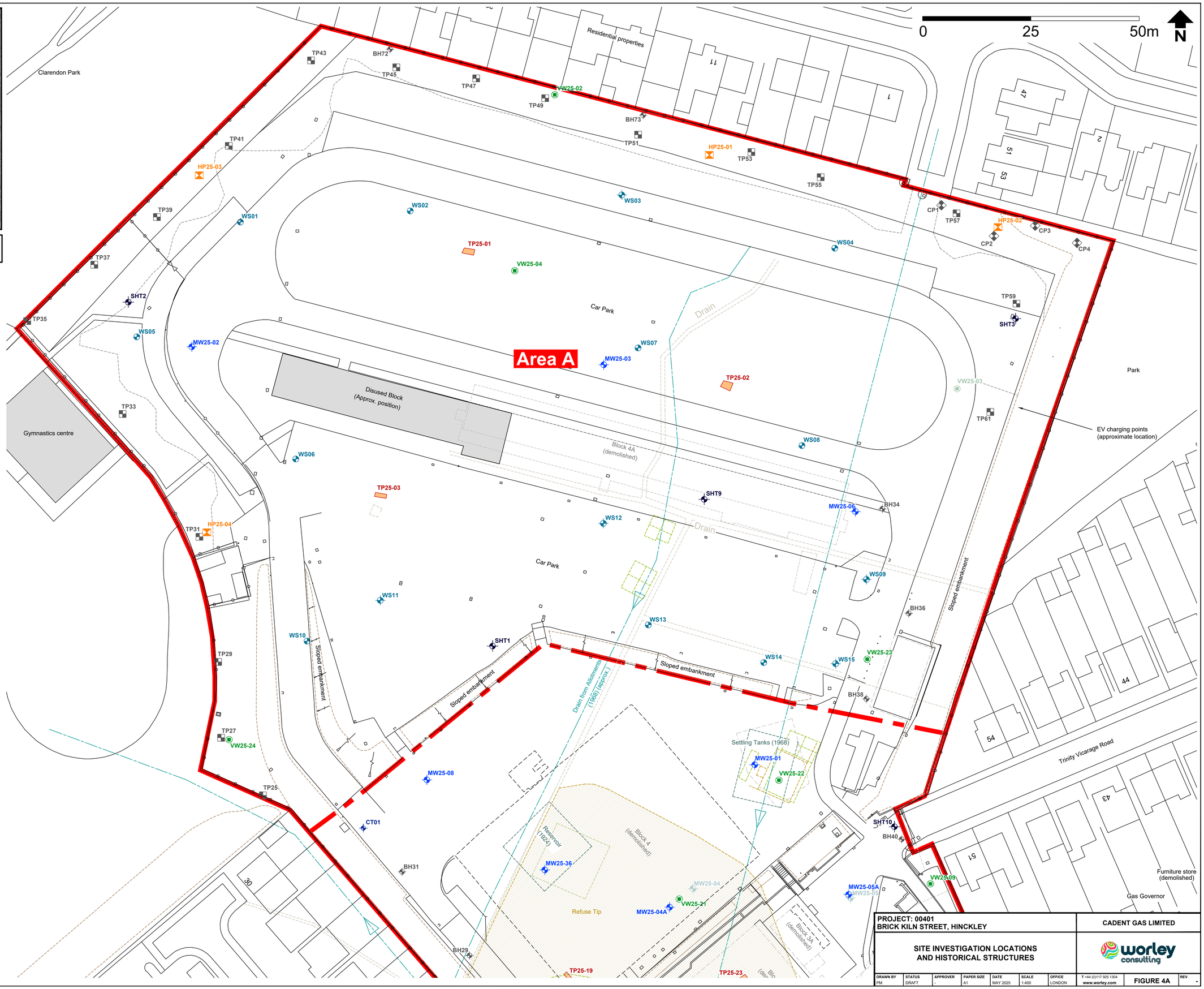

Legend

- Cadent Gas depot boundary (approximate)
- Cadent Gas internal areas boundary
- Current structures
- Concrete foundations of demolished structures

Historical Structures (approximate locations, unknown unless stated) (Envirocheck, 2025)
Overlaid from Landmark Envirocheck maps, ref. 363730053_1_1, 18/11/2024

- 1968 and 1972 maps
- 1959
- 1924
- 1889
- Historical structures (approximate locations, 1957)
  Overlaid from Gas Archive drawing, ref. WM/EAD/HNK/E/E/8, 08/03/1957
- Historical structures (approximate locations, Unknown date)
  Overlaid from Gas Archive drawing, ref. WM/EAD/HNK/E/E/1, Unknown date
- Historical structures (Envirocheck Report - drains)
- Historical structures (Target survey position)

Historical Structures (Celtic Technologies, approximate positions)

- Historical structures (1872, 1889, 1960)
  Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3522/B2, 23/06/08
- Disused trunk/foul sewer (1968)
  Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3447/A3, 23/06/08

Worley Consulting Site Investigation Locations (2025)

- Rotary borehole
- Surface water sample
- Vapour well (shallow)
- Trial pit
- Trial pit (shallow soils)

Groundwater Remediation (Celtic 2019)

- RBH3 Groundwater re-injection borehole
- DBH6 Groundwater elevation monitoring borehole
- DBH2 NAPL recovery borehole

Previous Site Investigation Locations (Wood, 2019)

- Window sample (GW monitoring)
- Window sample (Vapour/gas monitoring)
- Window sample (backfilled)

Previous Site Investigation Locations (Celtic Technologies)

- CBH114 Cable Percussion Boreholes (2008)
- CBH113A Cable Percussion Boreholes and CPT - LIF/MIP Probe Holes (2008)
  Mains Water Samples (January 2005)
- WS1 Window Samples (March 1999)
- U2 Boreholes (April 1999)
- TP23 Trial Pits (April 1999)

Previous Site Investigation Locations

- SHT8 Boreholes (Simon Hydrotechnica Hydrogeological Assessment,1993)
- BH39, CT02 Boreholes (British Gas Site Investigation, 1993) (from Celtic 2008 plan)
- MG2 Boreholes (May Gurney Site Investigation, 1992)

Approximate Site Centre: (442071, 293810)

References:
Malcolm Hughes Surveys, Site Investigation Locations, ref. 62725/1, 10/03/2025
Target Designs Drainage Layout, ref. 152/127-001 rev. E, October 2006
Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3522/B2, 23/06/08
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Celtic Technologies Ltd, Drawing No. D440M/99/905D & 905A- Exploratory Holes/Borehole Locations, March-April 1999
Basemap derived from Target Designs Site Plan Showing All Services, ref. 141/034-004/Rev A, 23/02/2000

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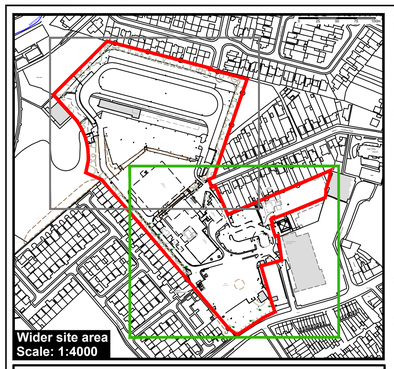

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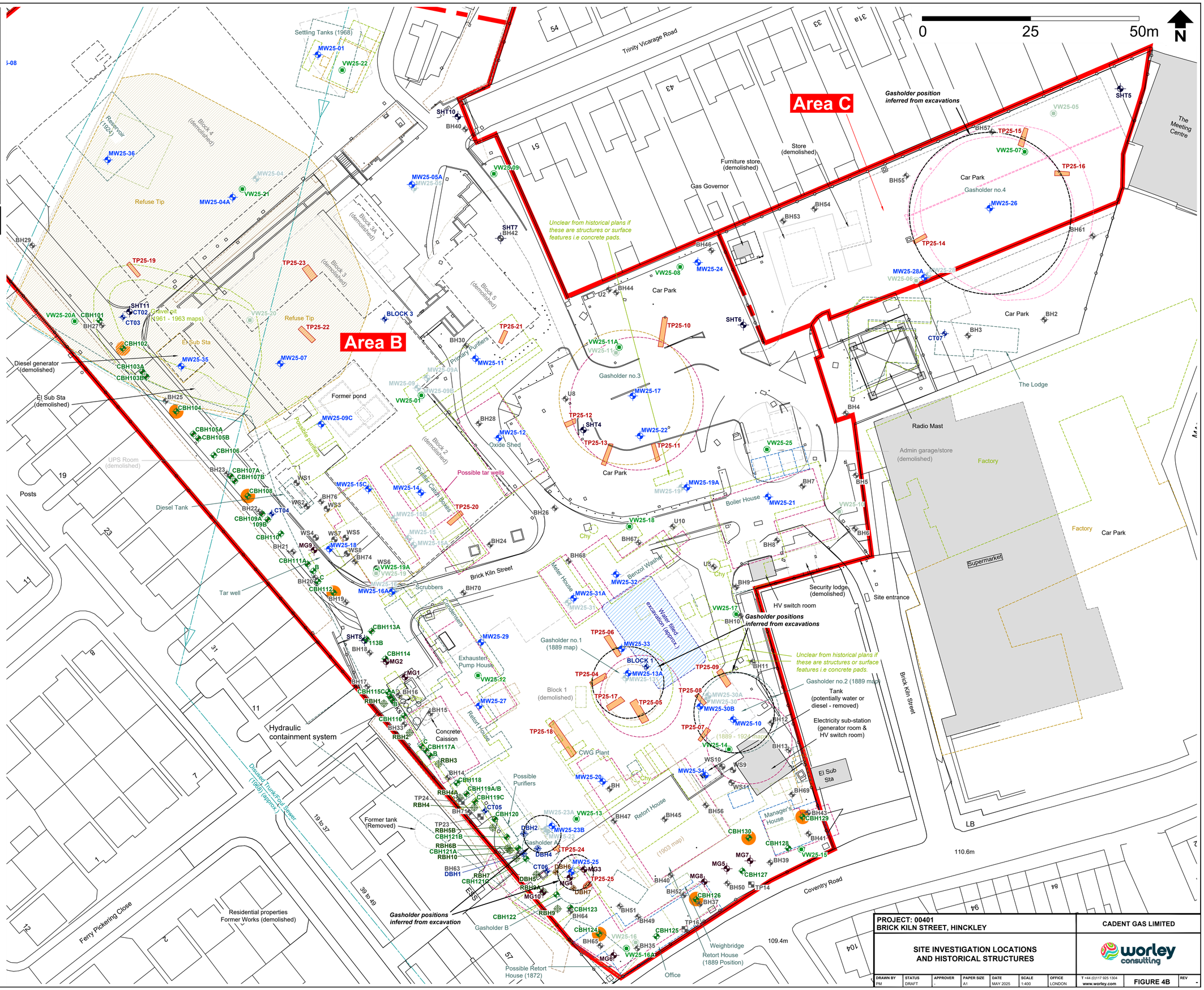

Legend

- Cadent Gas depot boundary (approximate)
- Cadent Gas internal areas boundary
- Current structures
- Concrete foundations of demolished structures

Historical Structures (approximate locations, unknown unless stated) (Envirocheck, 2025)
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- 1959
- 1924
- 1889
- Historical structures (approximate locations, 1957)
  Overlaid from Gas Archive drawing, ref. WM/EAD/HNK/E/E/8, 08/03/1957
- Historical structures (approximate locations, Unknown date)
  Overlaid from Gas Archive drawing, ref. WM/EAD/HNK/E/E/1, Unknown date
- Historical structures (Envirocheck Report - drains)
- Historical structures (Target survey position)

Historical Structures (Celtic Technologies, approximate positions)

- Historical structures (1872, 1889, 1960)
  Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3522/B2, 23/06/08
- Disused trunk/foul sewer (1968)
  Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3447/A3, 23/06/08

Worley Consulting Site Investigation Locations (2025)

- Rotary borehole
- Vapour well (shallow)
- Trial pit
- Trial pit (shallow soils)

Groundwater Remediation (Celtic 2019)

- RBH3 Groundwater re-injection borehole
- DBH6 Groundwater elevation monitoring borehole
- DBH2 NAPL recovery borehole

Previous Site Investigation Locations (Wood, 2019)

- Window sample (GW monitoring)
- Window sample (Vapour/gas monitoring)
- Window sample (backfilled)

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- CBH114 Cable Percussion Boreholes (2008)
- CBH113A Cable Percussion Boreholes and CPT - LIF/MIP Probe Holes (2008)
- Mains Water Samples (January 2005)
- WS1 Window Samples (March 1999)
- U2 Boreholes (April 1999)
- TP23 Trial Pits (April 1999)

Previous Site Investigation Locations

- SHT8 Boreholes (Simon Hydrotechnica Hydrogeological Assessment,1993)
- BH39, CT82 Boreholes (British Gas Site Investigation, 1993) (from Celtic 2008 plan)
- MG2 Boreholes (May Gurney Site Investigation, 1992)

Approximate Site Centre: (442071, 293810)

References:
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Target Designs Drainage Layout, ref. 152/127-001 rev. E, October 2006
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Celtic Technologies Ltd, Drawing No. D440M/A/2201- Historical Summary, April 2003
Celtic Technologies Ltd, Drawing No. D440M/99/905D & 905A- Exploratory Holes/Borehole Locations, March-April 1999
Basemap derived from Target Designs Site Plan Showing All Services, ref. 141/034-004/Rev A, 23/02/2000

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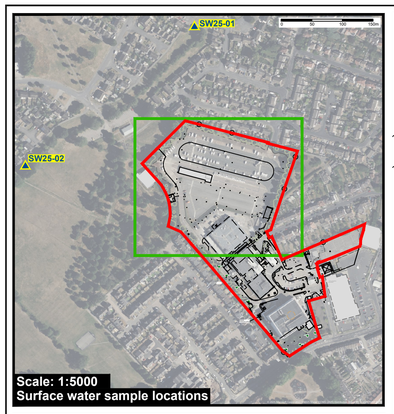

Note: Locations and features shown are overlaid from relevant historical maps, site plans and reports (see report text for details). *All locations shown are approximate and are to be used for indicative purposes only.*

0 25 50m N

Clarendon Park
Residential properties
11
1
47
51
53
2
VW25-02
HP25-01
HP25-03
HP25-02
TP25-01
VW25-04
Car Park
Drain
MW25-02
Area A
MW25-03
TP25-02
VW25-03
Park
Disused Block
(Approx. position)
Gymnastics centre
EV charging points
(approximate location)
Block 4A
(demolished)
TP25-03
MW25-06
HP25-04
Drain
Car Park
Sloped embankment
Sloped embankment
Sloped embankment
Sloped embankment
Drain from Allotments
(1968) (approx.)
VW25-23
VW25-24
MW25-08
Settling Tanks (1968)
MW25-01
VW25-22
44
54
Trinity Vicarage Road
43
51
30
Reservoir
(1924)
Block 4
(demolished)
MW25-36
MW25-04
VW25-09
Furniture store
(demolished)
MW25-05A
MW25-05
Gas Governor
Refuse Tip
MW25-04A
VW25-21
Block 3A
(demolished)
TP25-19
TP25-23

Legend

- Cadent Gas depot boundary (approximate)
- Cadent Gas internal areas boundary
- Current structures
- Concrete foundations of demolished structures

Worley Consulting Site Investigation Locations (2025)

- Rotary borehole
- Surface water sample
- Vapour well (shallow)
- Trial pit
- Trial pit (shallow soils)

Historical Structures (approximate locations, unknown unless stated) (Envirocheck, 2025)

Overlaid from Landmark Envirocheck maps, ref. 363730053_1_1, 18/11/2024

- 1968 and 1972 maps
- 1959
- 1924
- 1889
- Historical structures (approximate locations, 1957)
  Overlaid from Gas Archive drawing, ref. WM/EAD/HNK/E/E/8, 08/03/1957
- Historical structures (approximate locations, Unknown date)
  Overlaid from Gas Archive drawing, ref. WM/EAD/HNK/E/E/1, Unknown date
- Historical structures (Envirocheck Report - drains)
- Historical structures (Target survey position)

Historical Structures (Celtic Technologies, approximate positions)

- Historical structures (1872, 1889, 1960)
  Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3522/B2, 23/06/08
- Disused trunk/foul sewer (1968)
  Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3447/A3, 23/06/08

Approximate Site Centre: (442071, 293810)

References:
Malcolm Hughes Surveys, Site Investigation Locations, ref. 62725/1, 10/03/2025
Target Designs Drainage Layout, ref. 1521/27-001 rev. E, October 2006
Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3522/B2, 23/06/08
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Celtic Technologies Ltd, Drawing No. D440M/A/2201- Historical Summary, April 2003
Celtic Technologies Ltd, Drawing No. D440M/99/905D & 905A- Exploratory Holes/Borehole Locations, March-April 1999
Basemap derived from Target Designs Site Plan Showing All Services, ref. 141/034-004/Rev A, 23/02/2000

PROJECT: 00401 **BRICK KILN STREET, HINCKLEY**	**CADENT GAS LIMITED**
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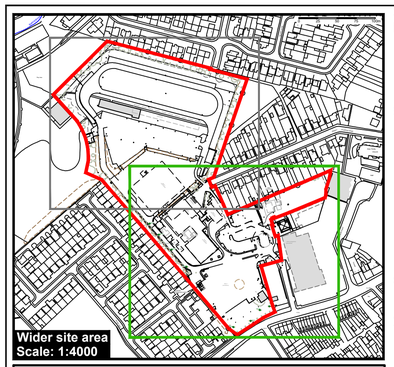

Note: Locations and features shown are overlaid from relevant historical maps, site plans and reports (see report text for details). *All locations shown are approximate and are to be used for indicative purposes only.*

0 25 50m N

Area B

Area C

Settling Tanks (1968)
MW25-01
VW25-22
Reservoir (1924)
Block 4 (demolished)
MW25-36
MW25-04
VW25-21
MW25-04A
Refuse Tip
MW25-05A
MW25-05B
VW25-09
Block 3A (demolished)
TP25-19
TP25-23
Block 3 (demolished)
Gravel pit (1961 - 1963 maps)
VW25-20
Refuse Tip
TP25-22
VW25-20A
CBH102
El Sub Sta
MW25-35
MW25-07
Diesel generator (demolished)
El Sub Sta (demolished)
CBH104
Former pond
MW25-09C
Possible purifiers
Block 5 (demolished)
TP25-21
Primary Purifiers
MW25-11
MW25-09A
MW25-09
MW25-09B
VW25-01
Block 2 (demolished)
Possible tar wells
Purifier Catch Boxes
MW25-12
Oxide Shed
MW25-15C
MW25-14
TP25-20
MW25-15B
MW25-15
MW25-15A
MW25-18
VW25-19A
VW25-19
MW25-16
MW25-16A
CBH112
Tar well
Scrubbers
Brick Kiln Street
CBH108
Diesel Tank
UPS Room (demolished)
Posts
19
29
11
31
8
11
7
1
12
2
Ferry Pickering Close
Residential properties Former Works (demolished)
39 to 49
19 to 37
Former tank (Removed)
Disused Trunk/Foul Sewer (1968) (approx.)
Hydraulic containment system
Concrete Caisson
Retort House
Tanks
Exhausters Pump House
VW25-12
MW25-27
MW25-29
Condensers
Meter House
MW25-31A
MW25-31
Benzol Washer
MW25-32
Water filled excavation (approx.)
Gasholder no.1 (1889 map)
TP25-06
MW25-33
TP25-04
MW25-13A
MW25-13
TP25-17
TP25-05
Block 1 (demolished)
TP25-18
CWG Plant
Possible Purifiers
MW25-20
MW25-23A
VW25-13
MW25-23B
MW25-23
Gasholder A
TP25-24
MW25-25
TP25-25
Gasholder B
Possible Retort House (1872)
CBH124
VW25-16
VW25-16A
Office
Weighbridge
Retort House (1889 Position)
Gasholder positions inferred from excavation
Trinity Vicarage Road
54
43
51
33
31a
Store (demolished)
Furniture store (demolished)
Gas Governor
Gasholder position inferred from excavations
VW25-05
TP25-15
VW25-07
TP25-16
The Meeting Centre
Car Park
Gasholder no.4
MW25-26
TP25-14
Unclear from historical plans if these are structures or surface features i.e concrete pads.
VW25-08
MW25-24
Car Park
TP25-10
VW25-11A
VW25-11
Gasholder no.3
MW25-17
TP25-12
TP25-13
TP25-11
MW25-22
Car Park
MW25-28A
VW25-06
MW25-28
Car Park
The Lodge
Radio Mast
VW25-25
Admin garage/store (demolished)
Factory
Factory
Car Park
Supermarket
MW25-19A
MW25-19
Boiler House
MW25-21
VW25-10
VW25-18
Chy
Chy
Security lodge (demolished)
Site entrance
HV switch room
VW25-17
Gasholder positions inferred from excavations
Unclear from historical plans if these are structures or surface features i.e concrete pads.
Gasholder no.2 (1889 map)
Tank (potentially water or diesel - removed)
Electricity sub-station (generator room & HV switch room)
Brick Kiln Street
TP25-09
TP25-08
MW25-30A
MW25-30
MW25-30B
MW25-10
(1889 - 1924 maps)
TP25-07
VW25-14
El Sub Sta
Manager's House
CBH129
CBH130
VW25-15
LB
110.6m
Coventry Road
84
94
104
(1903 map)

Legend

- Cadent Gas depot boundary (approximate)
- Cadent Gas internal areas boundary
- Current structures
- Concrete foundations of demolished structures

Worley Consulting Site Investigation Locations (2025)

- Rotary borehole
- Vapour well (shallow)
- Trial pit
- Trial pit (shallow soils)
- Existing well sampled

Historical Structures (approximate locations, unknown unless stated) (Envirocheck, 2025)

Overlaid from Landmark Envirocheck maps, ref. 363730053_1_1, 18/11/2024

- 1968 and 1972 maps
- 1959
- 1924
- 1889
- Historical structures (approximate locations, 1957) — Overlaid from Gas Archive drawing, ref. WM/EAD/HNK/E/E/8, 08/03/1957
- Historical structures (approximate locations, Unknown date) — Overlaid from Gas Archive drawing, ref. WM/EAD/HNK/E/E/1, Unknown date
- Historical structures (Envirocheck Report - drains)
- Historical structures (Target survey position)

Historical Structures (Celtic Technologies, approximate positions)

- Historical structures (1872, 1889, 1960) — Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3522/B2, 23/06/08
- Disused trunk/foul sewer (1968) — Celtic Technologies Ltd, Historical Layout and Exploratory Locations, ref. D1191/3447/A3, 23/06/08

Approximate Site Centre: (442071, 293810)

References:

Malcolm Hughes Surveys, Site Investigation Locations, ref. 62725/1, 10/03/2025
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Basemap derived from Target Designs Site Plan Showing All Services, ref. 141/034-004/Rev A, 23/02/2000

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2025 SITE INVESTIGATION LOCATIONS AND HISTORICAL STRUCTURES	worley consulting

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APPENDED TABLES

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Table A – Monitoring Well Installations and Groundwater Elevation Data

Installation Details												Monitoring Details									
					Screened Interval									Groundwater Level			NAPL				
Monitoring Well	Northing	Easting	Ground Elevation	Top of Casing	Top		Bottom		Pipe diameter	Screened Lithology	Installation Date	Monitoring Date	Total Depth	Depth	Depth	Groundwater Elevation	DNAPL Thickness Top	DNAPL Thickness Bottom	DNAPL Thickness Top	DNAPL Thickness Bottom	Comments
			m AOD	m AOD	m bgl	m AOD	m bgl	m AOD	mm		dd-mm-yyyy	dd-mm-yyyy	m bgl	m bgl	m btoc	m AOD	m bgl	m bgl	m AOD	m AOD	
Groundwater Installations																					
Area A																					
MW25-02	293950.119	441941.151	102.58	102.43	1.00	101.58	2.00	100.58	50	Wolston Clay Member	04/02/2025	17/03/2025	2.21	1.08	0.92	101.51	-	-	-	-	Clear, colorless. No odour, NAPL or sheen.
MW25-03	293945.977	442036.242	104.69	104.52	5.00	99.69	10.00	94.69	50	Wolston Clay Member	05/02/2025	17/03/2025	9.17	1.37	1.19	103.32	-	-	-	-	Cloudy clear light brown tint, no odour, no sheen. NVOSC.
MW25-06	293912.082	442094.387	106.33	106.20	2.00	104.33	5.00	101.33	50	Wolston Clay Member	06/02/2025	17/03/2025	5.98	0.63	0.51	105.70	-	-	-	-	Cloudy clear light brown tint, no odour, no sheen. NVOSC.
Area B																					
MW25-01	293853.656	442071.135	106.51	106.40	1.20	105.31	3.20	103.31	50	Wolston Sand & Gravel	03/02/2025	17/03/2025	3.09	1.01	0.90	105.50	-	-	-	-	Cloudy clear, no odour no sheen. Small particles of sand in water.
MW25-04	293822.66	442053.557	106.63	N/A - not installed																	
MW25-04A	293820.765	442051.47	106.64	106.52	1.50	105.14	3.50	103.14	50	Wolston Sand & Gravel	04/02/2025	17/03/2025	3.41	1.17	1.03	105.61	-	-	-	-	NVOSC.
												07/04/2025	3.39	1.23	1.10	105.54					
												28/04/2025	3.40	1.24	1.11	105.53					
MW25-05	293822.894	442093.251	109.25	N/A - not installed																	
MW25-05A	293823.709	442092.808	109.26	109.06	2.50	106.76	6.50	102.76	50	Wolston Sand & Gravel/ Wolston Clay Member	05/02/2025						-	-	-	-	Slightly cloudy, light greyish brown. No NAPL or sheen. No odour noted during well development.
MW25-07	293782.47	442062.482	110.52	110.43	4.00	106.52	7.30	103.22	50	Wolston Sand & Gravel	06/02/2025	18/03/2025	7.21	4.30	4.20	106.22	-	-	-	-	NVOSC
												08/04/2025	7.20	4.37	4.27	106.15					
												29/04/2025	7.32	4.40	4.30	106.12					
MW25-08	293850.165	441995.468	106.39	106.23	1.00	105.39	2.60	103.79	50	Made Ground	07/02/2025	17/03/2025	2.84	1.80	1.63	104.59	-	-	-	-	No odour, opaque, slightly grey, no sheen. Did not stabilise because well went dry. Faint hydrocarbon odour.
												07/04/2025	2.83	1.80	1.63	104.59					
												28/04/2025	2.84	1.65	1.49	104.74					
MW25-09	293776.798	442094.163	110.61	N/A - not installed																	
MW25-09A	293779.118	442096.306	110.58	N/A - not installed																	
MW25-09B	293775.031	442095.134	110.61	N/A - not installed																	
MW25-09C	293768.487	442071.903	110.33	110.22	6.50	103.83	9.50	100.83	50	Made Ground	07/02/2025	18/03/2025	9.02	3.60	3.48	106.73	-	-	-	-	Colourless and clear. No NAPL or sheen. Moderate hydrocarbon odour observed.
												08/04/2025	9.01	3.69	3.57	106.64					
												29/04/2025	9.04	3.72	3.60	106.61					
MW25-10	293700.353	442166.896	110.97	110.79	2.00	108.97	6.40	104.57	50	Made Ground	11/02/2025						-	-	-	-	Light grey, slightly cloudy. No NAPL or sheen. Faint hydrocarbon odour noted during well development.
MW25-11	293783.603	442107.476	110.43	110.22	4.00	106.43	7.00	103.43	50	Wolston Sand & Gravel	10/02/2025						-	-	-	-	Slightly cloudy, colourless water. No NAPL or sheen. No odour observed during well development.
MW25-12	293765.304	442112.841	110.37	110.23	3.50	106.87	7.00	103.37	50	Wolston Sand & Gravel	11/02/2025						-	-	-	-	Light grey, slightly cloudy. No NAPL or sheen. Faint hydrocarbon odour noted during well development.
MW25-13	293709.934	442142.118	110.90	N/A - not installed																	
MW25-13A	293711.03	442142.673	110.89	110.74	2.00	108.89	5.30	105.59	50	Made Ground/ Wolston Clay Member	12/02/2025						-	-	-	-	Dark grey, silty water. No NAPL. Moderate to strong hydrcarbon odour and rainbow sheen observed during well development.
MW25-14	293752.691	442094.883	110.60	110.44	1.00	109.60	2.00	108.60	50	Made Ground	12/02/2025	18/03/2025	2.24	1.73	1.56	108.87	-	-	-	-	NVOSC. Did not stabilise as well was going dry.
												08/04/2025	2.24	1.79	1.62	108.81					
												29/04/2025	2.25	1.76	1.58	108.84					
MW25-15	293742.163	442092.014	110.59	N/A - not installed																	
MW25-15A	293740.585	442093.245	110.60	N/A - not installed																	
MW25-15B	293746.734	442088.769	110.59	N/A - not installed																	
MW25-15C	293753.53	442082.81	110.59	110.43	7.00	103.59	9.00	101.59	50	Wolston Sand & Gravel/ Wolston Clay Member	25/02/2025	18/03/2025	8.89	4.22	4.04	106.37	-	-	-	-	Clear, no sheen, mild HC odour.
												08/04/2025	8.88	4.30	4.13	106.29					
												29/04/2025	8.88	4.33	4.16	106.26					
MW25-16	293730.233	442089.019	110.16	N/A - not installed																	
MW25-16A-S	293729.897	442088.163	110.13	109.99	1.10	109.03	2.20	107.93	50	Made Ground	13/02/2025	18/03/2025	2.23	1.58	1.43	108.55	-	-	-	-	Water is light grey and slightly silty. Occasional rainbow sheens. No NAPL. Moderate hydrocarbon/almond odour.
												08/04/2025	2.23	1.61	1.47	108.52					
												29/04/2025	2.22	1.57	1.41	108.56					
MW25-16A-D	293729.897	442088.163	110.13	109.93	3.40	106.73	4.40	105.73	50	Wolston Sand & Gravel	13/02/2025	18/03/2025	4.67	2.41	2.26	107.72	-	-	-	-	Water is light grey and slightly silty. Occasional rainbow sheens. No NAPL. Moderate to strong hydrocarbon/almond odour.
												08/04/2025	4.67	2.37	2.22	107.76					
												29/04/2025	4.67	2.32	2.18	107.81					
MW25-17	293774.972	442143.805	111.66	111.56	1.00	110.66	4.20	107.46	50	Made Ground	13/02/2025	18/03/2025	2.23	1.58	1.43	110.08	-	-	-	-	Water is colourless. No NAPL or sheens. Moderate hydrocarbon odour noted.
												08/04/2025	4.67	1.61	1.47	110.05					
												29/04/2025	2.22	1.57	1.41	110.09					
MW25-18	293739.646	442073.75	109.77	109.67	3.50	106.27	5.00	104.77	50	Wolston Sand & Gravel	14/02/2025	18/03/2025	4.89	2.84	2.73	106.93	-	-	-	-	NVOSC
												08/04/2025	4.90	2.90	2.79	106.87					
												29/04/2025	4.88	2.92	2.81	106.85					
MW25-19	293753.934	442155.019	111.70	N/A - not installed																	
MW25-19A	293753.906	442156.236	111.74	111.56	2.40	109.34	6.40	105.34	50	Wolston Sand & Gravel	14/02/2025						-	-	-	-	Water is slightly cloudy, colourless. No odour or sheen noted during well development.
MW25-20	293686.075	442136.837	110.98	110.79	3.30	107.68	6.30	104.68	50	Wolston Sand & Gravel	17/02/2025	09/04/2025	6.50	5.10	4.90	105.88	-	-	-	-	Water is dark grey, silty. No NAPL or sheen. Moderate hydrocarbon odour noted.
												30/04/2025	6.50	5.14	4.95	105.84					
MW25-21	293751.696	442174.968	111.78	111.55	2.70	109.08	5.70	106.08	50	Wolston Sand & Gravel	17/02/2025						-	-	-	-	Water is colourless, slightly cloudy. No NAPL or sheen. No odours noted during well development.
MW25-22	293765.769	442145.439	111.61	111.43	1.00	110.61	4.00	107.61	50	Made Ground	18/02/2025						-	-	-	-	Water is colourless, slightly cloudy. No NAPL or sheen. No odours noted during well development.
MW25-23	293674.517	442123.932	110.95	N/A - not installed																	
MW25-23A	293675.074	442123.769	110.96	N/A - not installed																	
MW25-23B	293675.869	442125.13	110.97	110.82	4.00	106.97	9.50	101.47	50	Made Ground/ Wolston Sand & Gravel	18/02/2025	18/03/2025	9.51	5.01	4.86	105.96	9.24	9.51	101.73	101.46	Water is light grey, slightly silty. DNAPL present at the base of the well. Strong hydrocarbon odours and rainbow sheens.
												30/04/2025	9.50	5.04	4.88	105.93	8.89	9.50	102.08	101.47	
MW25-24	293805.781	442158.745	112.71	112.62	4.20	108.51	7.20	105.51	50	Wolston Sand & Gravel	18/02/2025	17/03/2025	7.20	DRY	DRY	N/A	-	-	-	-	2 L water purged during well development. Well ran dry. Water was dark brown and very silty. No odour, NAPL or sheen noted.
												07/04/2025	7.20	DRY	DRY	N/A					
												28/04/2025	7.20	DRY	DRY	N/A					
MW25-25	293665.286	442129.585	110.50	110.38	4.00	106.50	6.00	104.50	50	Wolston Sand & Gravel	19/02/2025	30/04/2025	5.98	4.24	4.14	106.36	-	-	-	-	Water is dark grey and silty. No odour, NAPL or sheens.
MW25-27	293703.513	442108.299	110.99	110.84	2.00	108.99	7.70	103.29	50	Wolston Sand & Gravel	20/02/2025	18/03/2025	7.73	5.05	4.89	105.94	-	-	-	-	Water is colourless, slightly cloudy. No NAPL or sheen. Moderate to strong tar/creosote odour.
												30/04/2025	7.78	5.18	5.03	105.81					
MW25-29	293718.2	442108.738	110.97	110.79	6.00	104.97	10.30	100.67	50	Wolston Sand & Gravel	20/02/2025	18/03/2025	10.39	5.04	4.85	105.93	-	-	-	-	Water is clear and colourless. No NAPL or sheen. Faint hydrocarbon odour noted during well development.
												30/04/2025	10.37	5.18	4.99	105.79					
MW25-30	293704.91	442160.893	110.97	N/A - not installed																	
MW25-30A	293705.913	442161.151	110.98	N/A - not installed																	
MW25-30B	293703.385	442159.281	110.97	110.86	2.00	108.97	5.30	105.67	50	Made Ground	24/02/2025						-	-	-	-	Water is light brown, slightly silty. No NAPL or sheens.
MW25-31	293727.277	442128.821	110.65	N/A - not installed																	
MW25-31A	293728.343	442130.108	110.63	110.45	4.00	106.63	8.50	102.13	50	Wolston Sand & Gravel/ Wolston Clay Member	21/02/2025						-	-	-	-	Water is light brown, slightly silty. No NAPL, odour or sheen.
MW25-32	293733.794	442139.877	110.62	110.36	4.85	105.77	6.85	103.77	50	Wolston Sand & Gravel	25/02/2025						-	-	-	-	Water is light brown, slightly silty. No odour, NAPL or sheen.
MW25-33	293716.649	442141.149	110.96	110.82	1.00	109.96	6.00	104.96	50	Made Ground	25/02/2025						-	-	-	-	Water is dark grey, silty. Rainbow sheen and moderate to strong hydrocarbon odour.
MW25-34	293687.543	442160.504	110.88	110.78	5.20	105.68	8.20	102.68	50	Wolston Sand & Gravel	26/02/2025						-	-	-	-	Water is light grey, slightly silty. No NAPL or sheen. No odours noted.
MW25-35	293781.831	442039.606	107.77	107.63	1.20	106.57	4.20	103.57	50	Wolston Sand & Gravel	27/02/2025	18/03/2025	3.94	2.62	2.48	105.15	-	-	-	-	Water is brown and silty. No NAPL, odour or sheen.
												07/04/2025	4.34	2.68	2.54	105.09					
												28/04/2025	4.35	2.70	2.56	105.07					
MW25-36	293829.396	442022.676	106.61	106.41	3.50	103.11	5.00	101.61	50	Wolston Sand & Gravel	26/02/2025	17/03/2025	4.91	1.41	1.20	105.20	-	-	-	-	NVOSC
												07/04/2025	4.91	1.54	1.34	105.07					
												28/04/2025	4.91	1.51	1.30	105.11					
CBH102	293785.911	442026.166	106.65	106.59	2.00	104.65	7.00	99.65	100	Wolston Sand & Gravel	03/03/2008	17/03/2025	2.02	1.83	1.77	104.82	-	-	-	-	Water is grey, silty. No NAPL. odour or sheen.
												08/04/2025	1.98	1.87	1.75	104.78					
												28/04/2025	1.99	1.87	1.77	104.78					
CBH104	293771.408	442038.474	107.57	107.39	2.00	105.57	3.00	104.57	100	Made Ground	04/03/2008	17/03/2025	3.07	2.25	2.07	105.32	-	-	-	-	Water is grey, silty. No NAPL. odour or sheen.
												08/04/2025	3.08	1.43	1.25	106.14					
												28/04/2025	3.13	2.38	2.20	105.19					
CBH108	293751.91	442054.991	108.89	108.75	3.50	105.39	6.50	102.39	100	Made Ground/ Wolston Sand & Gravel	05/03/2008	17/03/2025	7.01	3.23	3.09	105.66	-	-	-	-	Water is light brown, slightly silty. No odour or sheen.
												08/04/2025	7.01	3.05	2.90	105.84					
												29/04/2025	7.04	2.93	2.77	105.96					
CBH112	293729.605	442074.788	109.85	109.69	5.00	104.85	12.00	97.85	100	Wolston Sand & Gravel/ Wolston Clay Member	26/03/2008	17/03/2025	6.98	3.85	3.69	106.00	-	-	-	-	NVOSC
												08/04/2025	6.99	3.86	3.71	105.99					
												29/04/2025	6.97	3.86	3.70	105.99					
CBH126	293658.88	442158.351	109.78	109.58	4.00	105.78	5.00	104.78	100	Wolston Sand & Gravel	13/03/2008	10/04/2025	5.88	3.92	3.72	105.86	-	-	-	-	Water is colourless with small white particulates. No NAPL or sheen. Moderate to strong HC odour (petrol).
												30/04/2025	5.91	3.99	3.77	105.79					
CBH129	293677.93	442182.926	110.55	110.33	1.50	109.05	3.00	107.55	100	Wolston Sand & Gravel	14/03/2008	19/03/2025	4.08	3.59	3.37	106.96	-	-	-	-	Water is colourless,slightly cloudy with small white particulates. No NAPL or sheen. No odour noted.
												10/04/2025	4.08	3.85	3.63	106.71					
												30/04/2025	4.10	4.03	3.82	106.52					
CBH130	293673.089	442170.535	110.37	110.10	3.50	106.87	7.50	102.87	100	Wolston Sand & Gravel/ Wolston Clay Member	01/04/2008	10/04/2025	7.88	4.49	4.22	105.88	-	-	-	-	Water is clear and colourless with small white particulates. Faint organic odour. No NAPL or sheen.
												30/04/2025	7.83	4.53	4.26	105.84					
Area C																					
MW25-26	293818.236	442226.098	114.50	114.44	5.00	109.50	7.20	107.30	50	Wolston Sand & Gravel	19/02/2025	17/03/2025	7.20	DRY	DRY	N/A	-	-	-	-	Less than 6 cm water at base during well development. No NAPL, odours or sheens noted.
												07/04/2025	7.20	DRY	DRY	N/A					
												28/04/2025	7.20	DRY	DRY	N/A					
MW25-28	293802.761	442211.837	114.08	N/A - not installed																	
MW25-28A	293802.277	442210.944	114.05	113.94	5.20	108.85	10.20	103.85	50	Wolston Sand & Gravel	20/02/2025	17/03/2025	10.28	6.94	6.83	107.11	-	-	-	-	Water is colourless. No NAPL, odour or sheen.

Table A – Monitoring Well Installations and Groundwater Elevation Data

Installation Details												Monitoring Details								
Monitoring Well	Northing	Easting	Ground Elevation	Top of Casing	Screened Interval				Pipe diameter	Screened Lithology	Installation Date	Monitoring Date	Total Depth	Groundwater Level			NAPL				Comments
					Top		Bottom							Depth	Depth	Groundwater Elevation	DNAPL Thickness Top	DNAPL Thickness Bottom	DNAPL Thickness Top	DNAPL Thickness Bottom	
			m AOD	m AOD	m bgl	m AOD	m bgl	m AOD	mm		dd-mm-yyyy	dd-mm-yyyy	m bgl	m bgl	m btoc	m AOD	m bgl	m bgl	m AOD	m AOD	
Vapour wells																					
Area A																					
VW25-02	294008.269	442024.98	104.39	104.28	0.45	103.94	1.45	102.94	50	Made Ground	10/02/2025	N/A					-	-	-	-	Area A. 1-6 cm perched water at base of installation. NVOSC.
VW25-03	293940.431	442117.865	106.84	N/A																	
VW25-04	293967.667	442015.722	104.16	104.06	0.35	103.81	0.65	103.51	50	Made Ground	10/02/2025	N/A					-	-	-	-	Area A. 1-4 cm perched water at base of installation. NVOSC.
VW25-23	293878.002	442097.118	106.47	106.37	0.50	105.97	1.50	104.97	50	Made Ground/ Wolston Clay Member	20/02/2025	N/A					-	-	-	-	Area A. ~50 cm water at base of installation. NVOSC.
VW25-24	293859.469	441949.76	102.43	102.34	0.50	101.93	1.30	101.13	50	Wolston Clay Member	20/02/2025	N/A					-	-	-	-	Area A. No odours observed. Installation damp at base. No sample collected.
Area B																					
VW25-01	293775.136	442095.008	110.61	110.51	0.30	110.31	0.80	109.81	50	Made Ground	06/02/2025	N/A					-	-	-	-	Area B. 1-3 cm perched water at base of installation. NVOSC.
VW25-08	293804.75	442154.663	112.52	112.42	0.50	112.02	1.00	111.52	50	Made Ground/ Wolston Sand & Gravel	11/02/2025	N/A					-	-	-	-	Area B. No odours observed. Installation damp at base.
VW25-09	293826.178	442111.688	110.25	110.15	0.50	109.75	1.00	109.25	50	Made Ground	12/02/2025	N/A					-	-	-	-	Area B. No odours observed. Installation damp at base.
VW25-10	293748.292	442191.327	111.95	N/A - not installed																	
VW25-11	293784.93	442139.865	111.50	N/A - not installed																	
VW25-11A	293786.231	442140.594	111.58	111.49	0.50	111.08	1.00	110.58	50	Made Ground	12/02/2025	N/A					-	-	-	-	Area B. No odours observed. Installation damp at base.
VW25-12	293710.496	442108.008	110.98	110.87	0.50	110.48	1.20	109.78	50	Made Ground	13/02/2025	N/A					-	-	-	-	Area B. No odours observed. Installation damp at base.
VW25-13	293677.483	442130.744	110.97	110.87	1.00	109.97	1.50	109.47	50	Made Ground	13/02/2025	N/A					-	-	-	-	Area B. No odours observed. Installation damp at base.
VW25-14	293693.489	442165.917	110.85	110.75	0.50	110.35	1.10	109.75	50	Made Ground	17/02/2025	N/A					-	-	-	-	Area B. No odours observed. Up to 16 cm perched water observed within installation.
VW25-15	293670.415	442182.64	110.41	110.31	0.50	109.91	1.20	109.21	50	Made Ground / Wolston Sand & Gravel	17/02/2025	N/A					-	-	-	-	Area B. No odours observed. Installation damp at base.
VW25-16	293648.977	442144.419	109.54	N/A - not installed																	
VW25-16A	293647.579	442142.285	109.57	109.47	0.50	109.07	1.20	108.37	50	Made Ground / Wolston Sand & Gravel	18/02/2025	N/A					-	-	-	-	Area B. No odours observed. Installation damp at base.
VW25-17	293724.669	442167.572	111.13	111.04	0.50	110.63	1.00	110.13	50	Made Ground	18/02/2025	N/A					-	-	-	-	Area B. No odours observed. Installation damp at base.
VW25-18	293744.795	442142.959	110.84	110.73	0.50	110.34	1.20	109.64	50	Made Ground	18/02/2025	N/A					-	-	-	-	Area B. No odours observed. Up to 2 cm perched water observed within installation.
VW25-19	293734.079	442084.552	110.09	N/A - not installed																	
VW25-19A	293734.835	442084.724	110.19	110.10	0.50	109.69	1.50	108.69	50	Made Ground	19/02/2025	N/A					-	-	-	-	Area B. No odours observed. Installation damp at base.
VW25-20	293792.441	442055.447	110.45	N/A - not installed																	
VW25-20A	293792.214	442015.088	106.46	106.37	0.50	105.96	1.30	105.16	50	Made Ground	19/02/2025	N/A					-	-	-	-	Area B. No odours observed. Up to 1 cm perched water observed within installation.
VW25-21	293822.608	442053.723	106.64	106.53	0.50	106.14	1.05	105.59	50	Made Ground	19/02/2025	N/A					-	-	-	-	Area B. No odours observed. Up to 1 cm perched water observed within installation.
VW25-22	293850.096	442076.738	106.56	106.46	0.50	106.06	0.86	105.70	50	Made Ground	20/02/2025	N/A					-	-	-	-	Area B. No odours observed. Installation damp at base.
VW25-25	293762.627	442174.67	112.16	112.07	0.80	111.36	1.50	110.66	50	Wolston Sand & Gravel	21/02/2025	N/A					-	-	-	-	Area B. No odours observed. Installation dry at base.
Area C																					
VW25-05	293840.11	442240.759	115.07	N/A - not installed																	
VW25-06	293801.552	442209.082	114.01	N/A - not installed																	
VW25-07	293831.251	442234.118	114.86	114.77	0.40	114.46	1.10	113.76	50	Made Ground	11/02/2025	N/A					-	-	-	-	Area C. No odours observed. Installation damp at base.

NVOSC = No Visual or Olfactory Signs of Contamination

Monitoring Well	Screened Lithology	Date	Time	Temperature	Dissolved Oxygen	Dissolved Oxygen	Electrical Conductivity	pH	Oxidation-Reduction Potential	Field Observations
		dd-mm-yy	hh:mm	°C	%	mg/L	uS/cm	units	mV	
Area A										
MW25-02	Wolston Clay Member	17-Mar-25	09:55	8.1	94.4	10.46	948	7.18	70.6	Clear, colorless. No oduor, NAPL or sheen.
			10:59	8.2	36.2	4.27	944	7.19	44.2	
			10:03	8.2	30.7	3.6	940	7.2	34.3	
			10:07	8.3	29.7	3.53	944	7.2	22.4	
			10:11	8.3	32.2	3.78	942	7.19	12.2	
			10:15	8.3	32.7	3.86	943	7.18	4.2	
			10:19	8.3	31.7	3.7	943	7.18	-3.1	
			10:23	8.3	28.3	3.29	942	7.17	-8.5	
			10:27	8.4	22.6	2.63	943	7.17	-12.5	
			10:31	8.4	17.2	2.01	942	7.16	-16.5	
			10:35	8.4	13.6	1.56	942	7.16	-19.6	
			10:39	8.4	10.5	1.22	942	7.16	-22	
			10:43	8.4	9.6	1.12	943	7.16	-23.5	
			Sample collected							
			10:50	8.4	8.7	1.05	944	7.15	-24.8	
			10:51	8.4	9.4	1.09	944	7.16	-24.9	
			10:52	8.4	9.2	1.08	944	7.15	-25.1	
MW25-03	Wolston Clay Member	17-Mar-25	10:02	11.6	5.9	0.7	1499	6.92	-40.9	Cloudy clear light brown tint, no odour, no sheen.
			10:06	11.7	5.7	0.6	1490	6.92	-50.2	
			10:10	11.8	5.6	0.59	1477	6.92	-55.8	
			10:14	11.8	4.5	0.49	1462	6.93	-60.4	
			10:18	11.9	4.1	0.44	1452	6.94	-66.2	
			10:22	11.8	3.8	0.39	1436	6.95	-65.2	
			10:26	11.9	3.5	0.37	1428	6.95	-64.6	
			10:34	11.9	3.5	0.37	1417	6.96	-76.8	
			10:38	12	3.1	0.33	1400	6.97	-68.5	
			10:42	12	3	0.32	1390	6.98	-50.8	
			10:46	11.9	3	0.3	1389	6.98	-50.1	
			Sample collected							
			11:03	11.9	2.7	0.3	1363	6.99	-32.9	
			11:04	11.9	2.8	0.3	1362	6.99	-32.9	
			11:05	11.9	2.8	0.31	1363	6.99	-32.8	
MW25-06	Wolston Clay Member	17-Mar-25	11:36	9.5	12.5	1.26	1401	7.08	-29.5	Cloudy clear, no odour, no sheen.
			11:40	9.7	7.3	0.8	1303	7.02	-113.9	
			11:44	9.6	5.3	0.59	1290	7.02	-130.7	
			11:48	9.7	6	0.69	1285	7.02	-145.1	
			11:52	9.7	4.7	0.55	1285	7.02	-155.1	
			11:56	9.8	8.3	0.94	1284	7.01	-163.2	
			12:00	9.8	5.2	0.59	1284	7.01	-170.1	
			12:04	9.9	5.2	0.59	1281	7.01	-183.1	
			12:08	9.8	6.7	0.74	1277	7.01	-191.8	
			12:12	9.7	6.6	0.74	1275	7.01	-191.9	
			Sample collected							
			12:22	9.8	3.6	0.4	1273	6.99	-90.2	
			12:23	9.7	3.6	0.39	1275	6.99	-84.4	
			12:24	9.8	3.4	0.38	1273	6.99	-85.4	
Area B										
MW25-01	Wolston Sand and Gravel	17-Mar-25	12:44	9	15.7	1.69	1689	7.26	-23.8	Cloudy clear, no odour no sheen. Small particles of sand in water.
			12:48	9	8.3	0.94	1731	7.28	-104.3	
			12::52	9	7.4	0.83	1753	7.29	-153.5	
			12:56	9.1	5.7	0.65	1762	7.29	-171.5	
			13:00	9	5.3	0.61	1765	7.29	-188.6	
			13:04	9	4.9	0.53	1762	7.28	-203.5	
			13:08	9.2	4.6	0.52	1757	7.28	-216.8	
			13:12	9	4.5	0.52	1755	7.28	-223	
			13:16	9.2	3.9	0.44	1746	7.27	-200	
			13:20	9	4	0.45	1741	7.27	-198	
			Sample collected							
			13:28	9.1	4.4	0.49	1736	7.27	-110.8	
			13:29	9.1	4	0.46	1733	7.27	-108.4	
			13:30	9.2	3.7	0.43	1728	7.27	-105.6	
MW25-04A	Wolston Sand & Gravel	17-Mar-25	13:02	9.6	153.8	12.78	2410	7.15	-3.1	NVOSC
			13:06	10.2	19.5	2.14	2383	6.95	-8.6	
			13:10	10	11.9	1.31	2355	6.95	-5.3	
			13:14	10.1	7.1	0.79	2291	6.96	-11.1	
			13:18	10.1	6.8	0.73	2291	6.96	-11.6	
			Sample collected							
			13:23	10	279.2	26.97	2285	6.94	-13.8	
			13:24	10	114.3	12.54	2281	6.96	-15.1	
			13:25	10	101.1	11.2	2278	6.97	-15.8	
		07-Apr-25	15:02	12.8	91.3	7.43	2294	6.97	-54.9	No colour, odour or sheen. Partially cloudy with light grey sediment.
			15:06	11.8	14.5	1.53	2282	6.92	-66	
			15:10	11.8	8.4	0.87	2252	6.96	-68.8	
			15:14	11.7	2.9	0.33	2242	6.93	-69	
			15:18	11.7	3.4	0.38	2236	6.93	-68.3	
			15:22	11.7	2.9	0.32	2233	6.93	-67.3	
			15:26	11.8	2.3	0.24	2223	6.94	-66.4	
			15:30	11.8	2.2	0.23	2216	6.95	-65.6	
			Sample collected							
			15:39	13.4	46.3	4.9	2220	6.95	-66.2	
			15:40	12	51.2	5.47	2222	6.96	-66.6	
			15:41	12	53.2	5.74	2212	6.97	-66.5	
		28-Apr-25	14:33	13.6	8	0.81	2335	6.94	211.3	NVOSC
			14:37	13.1	4.9	0.51	2320	6.95	179.8	
			14:41	13	4	0.42	2313	6.96	120.7	
			14:45	12.9	4.4	0.46	2308	6.96	112.9	
			Sample collected							
			14:51	14.4	16.2	1.67	2317	6.96	95.2	
			14:52	13.9	18.4	1.89	2315	6.97	93.2	
			14:53	13.7	17.8	1.82	2312	6.97	92	

Monitoring Well	Screened Lithology	Date	Time	Temperature	Dissolved Oxygen	Dissolved Oxygen	Electrical Conductivity	pH	Oxidation-Reduction Potential	Field Observations
		dd-mm-yy	hh:mm	°C	%	mg/L	uS/cm	units	mV	
MW25-07	Wolston Sand & Gravel	18-Mar-25	12:23	12.6	153.5	12.79	2324	6.96	7.7	NVOSC
			12:27	12.5	15.3	1.62	2331	6.92	6.3	
			12:31	12.4	11.7	1.24	2343	6.89	7.1	
			12:35	12.3	9.5	1.01	2366	6.88	5.2	
			12:39	12.3	8.9	0.93	2374	6.88	4.3	
			Sample collected							
			12:45	12.5	7.7	0.8	2380	6.87	2	
			12:46	12.2	7.7	0.82	2391	6.87	1.5	
			12:47	12.2	8	0.81	2389	6.84	1.2	
		08-Apr-25	11:53	12.7	25.3	2.52	2299	6.96	-29.6	NVOSC.
			11:57	12.3	20.8	2.31	2333	6.83	-23	
			12:01	12.3	9.4	1.03	2354	6.8	-16.4	
			12:05	12.3	7	0.7	2352	6.8	-17	
			12:09	12.6	7	0.7	2363	6.81	-20.6	
			12:13	12.6	7.3	0.77	2367	6.81	-22.5	
			Sample collected							
			12:19	13.8	32.7	4.3	2384	6.8	-25.4	
			12:20	13.1	68.7	7.27	2369	6.81	-26.3	
			12:21	12.8	68.9	7.23	2369	6.81	-27.1	
		29-Apr-25	13:06	15.1	2	0.19	2420	6.75	231.5	Was orange and full of sediment before tubing was pulled up. After tubing pulled up, water had no colour, odour or sheen. Water opaque.
			13:10	15.1	2.4	0.24	2397	6.65	224.2	
			13:14	15.3	2	0.2	2390	6.64	217.5	
			13:18	15.2	1.9	0.19	2384	6.64	215	
			Sample collected							
			13:24	16	75.3	6.18	163.5	6.67	211.8	
			13:25	16	12.4	1.13	154.9	6.67	211.4	
			13:26	16	4.5	0.43	150.1	6.66	211.1	
MW25-08	Made Ground	17-Mar-25	11:57	8.7	480	52.49	3702	6.94	-65.2	Slightly opaque and cloudy with gray sediment. No odour. No sheen. Did not wait for stabilisation as well was running dry. No post-sampling readings taken.
			12:01	8.4	25.9	2.98	3829	7.02	-100.9	
			12:05	8.4	52.4	5.35	3877	7.04	-110.5	
			12:09	8.5	65.4	7.55	3894	7.05	-113.9	
			Sample collected							
		07-Apr-25	13:48	10.6	57.7	5.52	4383	6.97	-96.4	No odour, opaque, slightly grey, no sheen. Did not stabilise because well went dry. No post-sampling readings taken.
			13:52	11.8	6.2	0.67	4419	6.93	-114.6	
			13:56	12	5.6	0.59	4442	6.91	-120.1	
			14:00	12.9	4.2	0.45	4482	6.89	-124.9	
			Sample collected							
		28-Apr-25	13:26	13.7	206.4	18.41	4920	6.92	326.5	No odour. No sheen. Slightly grey and opaque with sediment. Could not stabilise due to well running dry. No post-sampling readings taken.
			13:30	13.4	30.9	3.14	4923	6.9	163.3	
			13:34	13.1	18.5	1.91	4959	6.87	92.7	
			13:38	13	16.6	1.71	4963	6.88	81.3	
			Sample collected							
MW25-09C	Made Ground	18-Mar-25	YSI not used due to contamination concerns.							Moderate hydrocarbon odour noted.
MW25-14	Made Ground	18-Mar-25	10:30	9.4	24	2.71	3788	7.56	16.6	NVOSC. Did not take post sample parameteres due to well going dry. Water slightly cloudy and opaque.
			10:34	9.4	16.6	1.86	3697	7.2	17.4	
			10:38	9.3	5.7	0.64	7.09	7.09	28.8	
			10:42	9.3	4.8	0.54	3693	7.12	29.1	
			10:46	9.4	4	0.46	3736	7.19	21.7	
			10:50	9.5	4	0.46	3764	7.27	11.2	
			Sample collected							
		08-Apr-25	12:57	11.5	84	7.21	4077	7.28	-35.9	NVOSC. Did not stabilise as well was going dry.
			13:01	10.9	19.6	2.11	3865	7.15	-30.3	
			13:05	10.8	5.7	0.64	3845	7.17	-34.7	
			13:09	10.8	3.2	0.35	3844	7.25	-54.1	
			13:13	10.7	3.1	0.33	3876	7.44	-89.6	
			13:17	10.7	3.3	0.35	3865	7.49	-100.1	
			Sample collected							
		29-Apr-25	12:02	15.3	75.5	7.42	4413	7.34	289.3	NVOSC. Well began going dry, so sample was collected without stabilising. Also unable to get post sample parameters due to low water levels.
			12:06	13.2	22.6	2.33	3990	7.08	267.4	
			12:10	13.1	11.1	1.15	3955	7.17	253.9	
			Sample collected							
MW25-15C	Wolston Sand & Gravel/ Wolston Clay Member	18-Mar-25	11:11	12.3	67.5	7.13	2924	7.16	18.3	NVOSC.
			11:15	12.6	38.6	4.06	2888	6.96	41.6	
			11:19	12.7	34.4	3.61	2928	6.96	38.7	
			11:23	12.8	31	3.24	2971	6.96	37	
			11:27	12.7	29	3.06	2997	6.96	35.4	
			Sample collected							
			11:35	13.2	28	2.94	3033	6.96	33.4	
			11:36	12.8	26.6	2.78	3035	6.97	31	
			11:37	12.8	26.4	2.79	3032	6.97	29.7	
		08-Apr-25	12:27	13	23.7	2.22	2865	7.12	-7.2	Clear, no sheen, mild HC odour.
			12:31	13.4	4.1	0.42	2806	6.96	-8.1	
			12:35	13.5	6.2	0.65	2909	6.95	-12.6	
			12:39	13.5	6.2	0.64	2911	6.95	-15.9	
			12:43	13.5	6	0.63	2908	6.96	-17.9	
			Sample collected							
			12:49	14.5	31.6	3.31	2924	6.96	-21.5	
			12:50	13.8	35.8	3.72	2956	6.96	-22.8	
			12:51	13.5	35.7	3.65	2955	6.96	-23.8	
		29-Apr-25	12:24	14.7	225.7	18.64	2855	6.87	229.7	NVOSC.
			12:28	14.3	21.4	2.15	2833	6.87	222.4	
			12:30	14.3	8.5	0.85	2895	6.89	222.7	
			12:34	14.3	6	0.61	2915	6.89	231.6	
			12:38	14.2	5.2	0.53	2932	6.9	230.6	
			12:42	14.2	4.2	0.42	2948	6.91	227.3	
			12:46	14.3	3.7	0.38	2955	6.91	224.4	
			Sample collected							
			12:54	17	4.7	0.47	2982	6.91	214.2	
			12:55	14.5	5.4	0.53	2983	6.92	213.3	
			12:56	14.2	4.9	0.5	2963	6.92	212.4	
MW25-16A-S	Made Ground	18-Mar-25 08-Apr-25 29-Apr-25	YSI not used due to contamination concerns.							Moderate hydrocarbon/ chemical odour. Slight sheen.
MW25-16A-D	Wolston Sand & Gravel	18-Mar-25 08-Apr-25 29-Apr-25	YSI not used due to contamination concerns.							Moderate hydrocarbon/ chemical odour. Slight sheen.

Monitoring Well	Screened Lithology	Date	Time	Temperature	Dissolved Oxygen	Dissolved Oxygen	Electrical Conductivity	pH	Oxidation-Reduction Potential	Field Observations
		dd-mm-yy	hh:mm	°C	%	mg/L	uS/cm	units	mV	
MW25-18	Wolston Sand & Gravel	18-Mar-25	09:56	10.7	12.7	1.38	2213	7.42	-4.9	NVOSC.
			10:00	10.5	6	0.66	2212	7.19	4.8	
			10:04	10.6	4.5	0.51	2207	7.15	10.9	
			10:08	10.6	4.3	0.48	2207	7.15	11.8	
			Sample collected							
			10:13	10.8	5.5	0.59	2210	7.14	14.5	
			10:14	10.6	5.2	0.57	2212	7.15	17.3	
			10:15	10.5	5.4	0.6	2212	7.15	19.4	
		08-Apr-25	13:28	10.9	9.9	1.07	2209	7.37	-29.3	NVOSC.
			13:32	11.1	4	0.44	2227	7.25	-12.3	
			13:36	11.1	3.1	0.35	2213	7.23	4.9	
			13:40	11	3.1	0.34	2205	7.22	24.2	
			Sample collected							
			13:45	11.6	26.5	2.13	2200	7.2	29	
			13:46	11.6	36.2	5.78	2207	7.2	33	
			13:47	11.6	72.4	7.85	2201	7.2	35.7	
		29-Apr-25	10:52	12.1	8.8	0.93	1762	7.13	274.2	NVOSC.
			10:56	11.9	4.6	0.5	1713	7.09	272.6	
			11:00	11.9	4.8	0.53	1724	7.1	270	
			Sample collected							
			11:05	14.3	9.9	0.98	1743	7.12	266.7	
			11:06	13.3	7.9	0.82	1761	7.11	266.5	
			11:07	12.9	6.6	0.68	1762	7.12	266.4	
MW25-20	Wolston Sand & Gravel	09-Apr-25	15:52	12.2	22.5	2.14	1648	6.95	-94.8	Water was slightly cloudy, light grey. No NAPL or sheen. Strong petrol odour.
			15:56	12.4	4.9	0.51	1659	6.91	-113.6	
			16:00	12.3	4	0.4	1662	6.91	-121.6	
			16:04	12.4	3	0.31	1676	6.92	-125.8	
			16:08	12.5	2.6	0.26	1680	6.94	-128.2	
			16:12	12.5	2.3	0.26	1684	6.96	-130.7	
			Sample collected							
			16:20	12.8	7.1	0.7	1711	7	-129.16	
			16:21	12.5	3.7	0.38	1706	7	-131	
			16:22	12.5	2.4	0.25	1705	7.01	-132.4	
		30-Apr-25	10:53	13.8	6.1	0.62	1612	6.94	-87.3	Water is colourless, slightly cloudy. No NAPL or sheen. Strong petrol odour.
			10:57	13.7	3.5	0.36	1581	6.93	-96.5	
			11:01	13.9	3.3	0.34	1576	6.93	-100.3	
			11:05	13.9	2.5	0.26	1583	6.94	-104.1	
			11:09	14	2.2	0.22	1587	6.95	-108.1	
			11:13	14	2.1	0.22	1592	6.96	-108.7	
			Sample collected							
			11:25	14.2	6.1	0.62	1622	6.99	-108.4	
			11:26	14	5.8	0.58	1624	6.99	-107.9	
			11:27	13.9	4.7	0.49	1629	7	-107.8	
MW25-25	Wolston Sand & Gravel	30-Apr-25	14:05	13.7	21.9	1.98	2196	7.39	11.9	Water is slightly silty, light brown. NO NAPL or sheen. Faint to moderate hydrocarbon odour.
			14:09	13.1	5.6	0.59	2183	7.22	7.1	
			14:13	13	4.2	0.46	2185	7.2	1.7	
			14:17	12.9	3.2	0.34	2196	7.2	-0.7	
			14:21	12.8	3.1	0.33	2210	7.2	-1.9	
			Sample collected							
			14:28	13.1	2.9	0.3	2224	7.21	-5.4	
			14:29	13	2.8	0.3	2224	7.21	-5.8	
			14:30	12.9	2.8	0.28	2224	7.21	-6.4	
MW25-27	Wolston Sand & Gravel	30-Apr-25	09:37	14.1	5.2	0.51	5910	7.75	-163.9	Water is light grey and silty. Became colourless and slightly cloudy after 8 minutes. No NAPL or sheen. Strong petrol odour.
			09:41	14	2.3	0.25	5964	7.76	-178.8	
			09:45	13.9	1.8	0.18	5920	7.76	-182	
			10:09	17.6	2.8	0.29	5870	7.71	-171.5	
			10:13	14.2	1.4	0.13	5763	7.74	-179.4	
			10:17	14.1	0.9	0.09	5586	7.75	-189.8	
			10:21	14.2	0.7	0.07	5468	7.76	-198	
			Sample collected							
			10:28	14.2	0.9	0.09	5268	7.76	-200.1	
			10:29	14.1	0.9	0.09	5230	7.76	-201.1	
			10:30	14.1	0.8	0.08	5208	7.76	-202.1	
MW25-29	Wolston Sand & Gravel	30-Apr-25	08:47	14.2	13.8	1.37	2031	7.19	-131.2	Water is light brown, clear. No NAPL or sheen. Moderate to strong petrol odour. Occasional small black particulates (not NAPL).
			08:51	14.2	6.6	0.67	2026	7.13	-135.1	
			08:55	14.2	4.1	0.42	2032	7.11	-140.7	
			08:59	14.3	3.5	0.36	2031	7.11	-139	
			09:03	14.3	2.8	0.28	2038	7.11	-145.1	
			09:07	14.4	2.6	0.26	2047	7.12	-148.7	
			Sample collected							
			09:18	14.9	3	0.31	2055	7.11	-145.5	
			09:19	14.7	3.1	0.32	2058	7.11	-146.3	
			09:20	14.6	2.9	0.29	2058	7.11	-147.4	
MW25-35	Wolston Sand & Gravel	18-Mar-25	09:17	10.3	47	5.07	2750	7.42	-24.4	NVOSC.
			09:21	10	41.3	4.64	2745	7.25	-47.8	
			09:25	10.1	41.5	4.64	2732	7.18	-58.4	
			09:29	10.1	38	4.21	2727	7.16	-61	
			Sample collected							
			09:35	10	8.6	0.93	2713	7.14	-62.8	
			09:36	10	8.5	0.95	2712	7.14	-63	
			09:37	10	8.7	0.96	2708	7.13	-63.5	
		07-Apr-25	15:54	11.8	39.2	3.65	2778	7.14	-38.4	NVOSC, Some sediment present in sample
			15:58	11.6	4.2	0.45	2774	7.09	-51.5	
			16:02	11.7	2.5	0.26	2728	7.06	-64.2	
			16:06	11.7	2.2	0.25	2701	7.05	-65.8	
			Sample collected							
			16:10	13.2	27.5	2.91	2678	7.03	-68.5	
			16:11	12.2	28.2	3.12	2674	7.04	-70.1	
			16:12	12	30	3.22	2667	7.01	-70.8	
		28-Apr-25	15:29	13.6	34	3.48	2970	7.12	228.7	NVOSC.
			15:33	13.4	15	1.55	2912	7.12	197.4	
			15:37	13.2	7.5	0.77	2884	7.12	164	
			15:41	13.2	5.1	0.52	2850	7.11	131.2	
			15:45	13.1	4.1	0.42	2789	7.09	96.1	
			Sample collected							
			15:55	14.3	5.5	0.57	2750	7.06	75	
			15:56	13.8	5.9	0.62	2748	7.04	74.3	
			15:57	13.1	4.2	0.43	2774	7.07	87.4	

Monitoring Well	Screened Lithology	Date	Time	Temperature	Dissolved Oxygen	Dissolved Oxygen	Electrical Conductivity	pH	Oxidation-Reduction Potential	Field Observations
		dd-mm-yy	hh:mm	°C	%	mg/L	uS/cm	units	mV	
MW25-36	Wolston Sand & Gravel	17-Mar-25	12:29	11	329	30.72	1873	7.2	-27.8	NVOSC.
			12:33	10.4	68.2	7.52	1922	7	-25.9	
			12:37	10.5	66.7	7.41	1936	6.97	-28.9	
			12:41	10.6	63.4	7.01	1954	6.94	-30.8	
			Sample collected							
			12:48	10.2	411	37.15	1970	6.89	-28.4	
			12:49	10.2	63.4	7.62	1988	6.91	-30.7	
			12:50	10.4	42.6	4.62	2002	6.91	-31.5	
		07-Apr-25	14:25	12.8	29	2.99	2033	7.16	-6	NVOSC.
			14:29	12.7	15.3	1.61	1955	7.02	-2.5	
			14:33	12.7	12.9	1.35	1931	6.96	-8.4	
			14:37	12.8	7.2	0.75	1939	6.89	-26.8	
			14:41	12.8	6.9	0.71	1942	6.85	-27.4	
			Sample collected							
			14:49	14.3	91	9.02	1975	6.88	31.5	
			14:50	13.5	82.2	8.6	1969	6.89	-32.6	
			14:51	13.3	90.6	9.45	1964	6.88	-33.4	
		28-Apr-25	13:53	13.9	10.1	1.02	1938	6.97	156.3	NVOSC.
			13:57	14.1	5.8	0.59	1867	6.92	162.9	
			14:01	14	5.4	0.55	1849	6.91	163.5	
			14:05	13.8	5.3	0.54	1856	6.9	161.4	
			Sample collected							
			14:11	15.8	5.7	0.57	1872	6.88	155.9	
			14:12	15.6	6	0.6	1893	6.88	155.7	
			14:13	14.4	6	0.61	1895	6.88	155.3	
CBH102	Wolston Sand & Gravel	17-Mar-25	Grab sample taken							Grab sample taken due to low well volume. Moderate hydrocarbon odour. No sheen. Colourless
CBH104	Made Ground	17-Mar-25	13:58	9.3	46.7	4.83	4120	7.19	37.2	NVOSC. Only got one parameters reading due to well going dry.
			Sample collected							
		08-Apr-25	08:49	10.2	10.3	1.09	4285	7.12	-65	Dark grey silt at beginning of purge. Clearedwhen tubing pulled up. Sampleiscloudy, no colour, odour or sheen.
			08:53	10.1	12.5	1.39	4230	6.98	-36.7	
			08:57	10	8.3	0.93	4158	6.96	-30.6	
			09:01	10.1	12.2	1.34	4097	6.97	-24.2	
			09:05	10	12.4	1.41	4095	6.97	-23.7	
			Sample collected							
			09:11	10.3	12.2	1.28	4210	7.01	-23	
			09:12	10.3	8.1	0.86	4241	6.97	-22.9	
			09:13	10.3	6.7	0.73	4250	6.96	-22.8	
		28-Apr-25	16:05	12.5	232	21.79	4295	6.79	146.8	Opaque. Chalk coloured. No odour. Some sedi mdnt presdng. No sheen.
			16:09	12.5	11.4	1.19	4278	6.8	135.4	
			16:13	12.5	7.8	0.81	4273	6.8	133.5	
			16:17	12.6	5.3	0.56	4258	6.8	130	
			16:21	12.4	4.5	0.47	4248	6.81	127.3	
			Sample collected							
			16:31	12.4	4.1	0.43	4219	6.81	126.2	
			16:32	13.9	3.7	0.38	4196	6.81	124.3	
			16:33	11.7	4.6	0.49	4175	6.82	124.2	
CBH108	Made Ground/ Wolston Sand & Gravel	17-Mar-25	15:14	12.6	360	31.18	6351	6.94	53.1	NVOSC
			15:18	11.2	22.8	2.23	6401	6.82	61.3	
			15:22	11.3	10.1	1.07	6405	6.81	66.3	
			15:26	11.2	8.1	0.86	6393	6.81	69.3	
			15:30	10.9	6.3	0.69	6369	6.82	75.7	
			15:34	10.9	6.5	0.69	6357	6.83	82.7	
			Sample collected							
			15:41	10.7	6.2	0.67	6357	6.83	80.4	
			15:42	10.6	6	0.64	6363	6.84	83.1	
			15:43	10.6	7.9	0.87	6324	6.85	85.4	
		08-Apr-25	09:22	11.4	11.3	1.17	6201	6.95	6.4	NVOSC
			09:26	11.7	3.6	0.37	6258	6.83	14.1	
			09:30	11.7	2.7	0.29	6301	6.83	20.1	
			09:34	11.8	2.5	0.28	6301	6.82	24.3	
			Sample collected							
			09:44	12.4	55.3	5.87	6311	6.83	14.5	
			09:45	11.7	58.5	6.21	6280	6.84	16.1	
			09:46	11.7	58.8	6.27	6269	6.84	17.1	
		29-Apr-25	09:39	12.9	83.6	8.48	6050	6.78	296.6	NVOSC
			09:43	12.2	28.4	2.97	5900	6.83	300.8	
			09:47	12.2	14.7	1.54	5732	6.86	300.7	
			09:51	12.1	12.3	1.2	5723	6.86	300.4	
			09:55	12.1	7.3	0.77	5545	6.87	297.8	
			09:59	12.1	6.8	0.71	5522	6.88	297.2	
			Sample collected							
			10:04	13.1	5.5	0.57	5457	6.88	294.9	
			10:05	12.8	7	0.73	5537	6.88	294.8	
			10:06	12.3	6.9	0.72	5532	6.88	294.7	
CBH112	Wolston Sand & Gravel/ Wolston Clay Member	17-Mar-25	16:12	10.9	17.9	1.93	3510	6.96	49.3	NVOSC
			16:16	11	15.9	1.71	3464	6.86	48.3	
			16:20	11	16.3	1.83	3456	6.82	47.4	
			Sample collected							
			16:26	10.6	45.3	4.95	3450	6.82	46.6	
			16:27	10.6	43.2	4.74	3445	6.82	46.6	
			16:28	10.6	42.9	4.71	3444	6.82	46.7	
		08-Apr-25	09:53	11.8	34	3.47	3649	7.04	12.3	NVOSC
			09:57	11.8	9	0.96	3546	6.82	10.8	
			10:01	11.8	8.6	0.9	3536	6.79	10.4	
			10:05	11.8	8	0.86	3542	6.78	10.1	
			Sample collected							
			10:13	12.5	12.3	1.29	3554	6.77	8.8	
			10:14	12	11.7	1.24	3550	6.77	3.7	
			10:15	11.9	11.6	1.24	3541	6.77	8.7	
		29-Apr-25	10:20	13.3	109	10.53	3570	6.64	291.2	NVOSC
			10:24	13.2	24.8	2.56	3522	6.61	297.3	
			10:28	13.2	9.1	0.93	3508	6.62	296.6	
			10:32	13.2	8.6	0.89	3501	6.62	296	
			Sample collected							
			10:37	14.8	7.6	0.77	3473	6.61	293.9	
			10:38	13.9	9.3	0.95	3533	6.61	293.8	
			10:39	13.5	9.4	0.97	3512	6.61	293.5	

Monitoring Well	Screened Lithology	Date	Time	Temperature	Dissolved Oxygen	Dissolved Oxygen	Electrical Conductivity	pH	Oxidation-Reduction Potential	Field Observations
		dd-mm-yy	hh:mm	°C	%	mg/L	uS/cm	units	mV	
CBH126	Wolston Sand & Gravel	10-Apr-25	10:28	10.7	28	2.86	1945	6.91	-85.6	Water is colourless with small white particulates. No NAPL or sheen. Moderate to strong HC odour (petrol).
			10:32	10.6	5.8	0.62	1948	6.95	-113.9	
			10:36	10.7	3.8	0.41	1952	6.96	-125	
			10:40	10.7	2.6	0.29	1952	6.97	-131.9	
			10:44	10.8	2.6	0.27	1949	6.97	-136.5	
			Sample collected							
			10:52	10.8	15.7	1.73	1942	6.98	-137.5	
			10:53	10.8	15.6	1.71	1940	6.98	-138.4	
			10:54	10.9	15.5	1.69	1937	6.98	-139.3	
		30-Apr-25	15:51	11.9	8.3	0.89	1839	6.93	-66.5	Water is clear, colourless. No NAPL or sheen. Faint hydrocarbon odour noted.
			15:55	11.4	3.6	0.39	1870	6.95	-103.1	
			15:59	11.4	2.4	0.27	1883	6.96	-111.7	
			16:03	11.3	2.4	0.26	1881	6.97	-117.5	
			Sample collected							
			16:10	11.2	2.7	0.28	1909	6.98	-111.5	
			16:11	11.2	2.4	0.26	1901	6.97	-112.9	
			16:12	11.2	2.4	0.25	1890	6.97	-114.9	
CBH129	Wolston Sand & Gravel	19-Mar-25	16:16	11.9	46.3	4.99	1599	7.19	2.1	Water is colourless,slightly cloudy with small white particulates. No NAPL or sheen. No odour noted.
			16:20	11	41.7	4.45	1586	7.03	-3.1	
			16:24	10.9	15.5	1.67	1580	6.97	-3.5	
			16:28	10.9	13.7	1.53	1576	6.95	-2.9	
			16:32	10.9	14.2	1.59	1573	6.93	-3.5	
			Sample collected							
			16:40	10.8	20.4	2.23	1553	6.92	-0.7	
			16:41	10.8	19.2	2.14	1550	6.92	-0.6	
			16:42	10.7	19.4	2.12	1551	6.92	-0.5	
		10-Apr-25	09:01	10.3	71	7.78	1636	7.14	-53.9	Well ran dry while sampling. Left to recharge before sampling. Plastic cap, no bung or tap. Water is silty brown with a faint organic/ sulphurous odour. No NAPL or sheen. Grab sample taken.
			09:05	10.2	69.5	7.77	1643	7.09	-59.1	
			09:09	10.2	70	7.82	1643	7.07	-60.1	
			Sample collected							
		30-Apr-25	Grab sample taken due to low water level and slow recharge.							NVOSC.
CBH130	Wolston Sand & Gravel/ Wolston Clay Member	10-Apr-25	09:34	10.5	24	2.61	1295	7.11	-37.4	Water is clear and colourless with small white particulates. Faint organic odour. No NAPL or sheen.
			09:38	10.6	4.6	0.53	1260	6.92	-49.1	
			09:42	10.6	4.9	0.53	1248	6.88	-54.1	
			09:46	10.5	3.2	0.35	1244	6.87	-56.8	
			09:50	10.6	2.7	0.3	1245	6.86	-59.6	
			09:54	10.6	2.4	0.27	1237	6.86	-62.3	
			09:58	10.5	2.4	0.27	1235	6.87	-63.6	
			Sample collected							
			10:07	10.2	12.6	1.35	1220	7.02	-43.8	
			10:08	10.2	7.2	0.69	1217	6.97	-46	
			10:09	10.3	4.8	0.52	1215	6.94	-47.6	
		30-Apr-25	15:18	12.6	14.2	1.53	1228	7.22	-16.5	Water is clear, colourless. No NAPL or sheen. Faint organic/ sulphurous odour.
			15:22	12.7	4.7	0.5	1217	6.94	-34.1	
			15:26	12.7	3.4	0.37	1210	6.92	-39.1	
			15:30	15.4	3.8	0.4	1187	6.88	-40.4	
			Sample collected							
			15:38	14.9	4.9	0.5	1214	6.92	-42.9	
			15:39	14.8	9.9	1.03	1208	6.88	-41.4	
			15:40	15.1	18.5	1.88	1207	6.89	-41.4	
SW25-01	N/A	20-Mar-25	08:50	9.7	70.1	7.94	1005.0	7.43	-54.5	Water is slightly silty, rusty orange. No sheens or NAPL. No odour noted.
			Sample collected							
		07-Apr-25	12:45	11.0	72.2	7.92	1032.0	7.42	5.0	
			Sample collected							
		28-Apr-25	12:25	13.3	102.0	10.65	1061.0	7.30	347.7	
			Sample collected							
SW25-02	N/A	20-Mar-25	09:30	9.3	90.1	10.31	966.0	7.99	4.8	Slow flow (~0.1 m/s) to the southwest. Water is clear, colourless. No odour noted. NVOSC.
			Sample collected							
		07-Apr-25	13:05	12.0	72.0	7.71	969.0	7.90	41.1	
			Sample collected							
		28-Apr-25	12:35	14.0	96.2	9.88	963.0	7.87	325.8	
			Sample collected							
Area C										
MW25-28A	Wolston Sand & Gravel	17-Mar-25	14:20	11.2	14.8	1.6	1092	7.1	-28.8	No post sample readings due to difficulting drawing water to surface. Cloudy clear, no odour, no sheen.
			14:24	11.7	9.2	0.99	1082	7.07	-30.2	
			14:28	11.6	6.6	0.71	1074	7.06	-20.1	
			14:32	11.5	8.2	0.88	1069	7.05	-27.1	
			14:36	11.3	8.2	0.81	1068	7.05	-32.1	
			14:40	11.3	8.2	0.84	1070	7.06	-34.8	
			Sample collected							

NVOSC = No Visual or Olfactory Signs of Contamination

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area A (coke tip) VW25-02	17/03/2025	Pre-sample	20.2	0.0	0.0	0.0	1019	5.6	0	0.0	Falling
		Post-sample	20.1	0.0	0.0	0.0	1018	6.3	0	0.0	
	07/04/2025	Pre-sample	19.9	0.0	0.0	0.0	1029	9.0	0	0.0	Rising
		Post-sample	20.1	0.0	0.0	0.0	1029	9.5	0	0.0	
	28/04/2025	Pre-sample	20.5	0.0	0.0	0.0	1027	19.2	0	0.0	Steady
		Post-sample	20.5	0.0	0.0	0.0	1026	20.8	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
Area A (coke tip) VW25-02	17/03/2025	11:46:00	6.0	20.1	1.1	0.0	0	0	0.0	0.0	No odours observed. 6 cm water at base.
		11:46:30	6.0	18.8	1.3	0.0	0	0	0.0	0.0	
		11:47:00	6.1	18.7	1.3	0.0	0	0	0.0	0.0	
		11:47:30	6.1	18.6	1.3	0.0	0	0	0.0	0.0	
		11:48:00	6.1	18.6	1.3	0.0	0	0	0.0	0.0	
		11:48:30	6.1	18.6	1.3	0.0	0	0	0.0	0.0	
		11:49:00	6.1	18.6	1.3	0.0	0	0	0.0	0.0	
		11:49:30	6.2	18.6	1.3	0.0	0	0	0.0	0.0	
		11:50:00	6.2	18.6	1.3	0.0	0	0	0.0	0.0	
		Sample collected								-	
		12:19:00	6.3	20.1	0.3	0.0	0	0	0.0	0.0	
		12:19:30	6.3	19.9	0.5	0.0	0	0	0.0	0.0	
		12:20:00	6.3	19.5	0.7	0.0	0	0	0.0	0.0	
		12:20:30	6.3	19.3	0.9	0.0	0	0	0.0	0.0	
		12:21:00	6.3	19.0	1.0	0.0	0	0	0.0	0.0	
		12:21:30	6.3	18.9	1.1	0.0	0	0	0.0	0.0	
		12:22:00	6.3	18.8	1.2	0.0	0	0	0.0	0.0	
		12:22:30	6.3	18.8	1.2	0.0	0	0	0.0	0.0	
		12:23:00	6.3	18.8	1.2	0.0	0	0	0.0	0.0	
	07/04/2025	10:12:00	9.0	19.8	0.2	0.0	0	0	0.0	0.0	No odours observed. 2 cm water at base.
		10:12:30	9.0	18.8	1.3	0.0	0	0	0.0	0.0	
		10:13:00	9.0	18.8	1.4	0.0	0	0	0.0	0.0	
		10:13:30	9.0	18.8	1.4	0.0	0	0	0.0	0.0	
		10:14:00	9.0	18.7	1.4	0.0	0	0	0.0	0.0	
		10:14:30	9.0	18.7	1.4	0.0	0	0	0.0	0.0	
		10:15:00	9.0	18.7	1.4	0.0	0	0	0.0	0.0	
		10:15:30	9.0	18.7	1.4	0.0	0	0	0.0	0.0	
		10:16:00	9.0	18.7	1.4	0.0	0	0	0.0	0.0	
		Sample collected								-	
		11:09:00	9.5	15.7	3.0	0.0	0	0	0.1	0.0	
		11:09:30	9.5	19.2	1.1	0.0	0	0	0.0	0.0	
		11:10:00	9.5	19.3	1.2	0.0	0	0	0.0	0.0	
		11:10:30	9.5	19.3	1.2	0.0	0	0	0.0	0.0	
		11:11:00	9.5	19.3	1.2	0.0	0	0	0.0	0.0	
	28/04/2025	13:06:00	19.2	19.8	1.5	0.0	0	0	0.0	0.0	No odours observed. Damp at base.
		13:06:30	19.2	19.6	1.2	0.0	0	0	0.0	0.0	
		13:07:00	19.2	19.6	1.2	0.0	0	0	0.0	0.0	
		13:07:30	19.2	19.4	1.2	0.0	0	0	0.0	0.0	
		13:08:00	19.2	19.4	1.2	0.0	0	0	0.0	0.0	
		13:08:30	19.2	19.4	1.2	0.0	0	0	0.0	0.0	
		13:09:00	19.2	19.4	1.2	0.0	0	0	0.0	0.0	
		13:09:30	19.4	19.4	1.2	0.0	0	0	0.0	0.0	
		13:10:00	19.4	19.4	1.2	0.0	0	0	0.0	0.0	
		13:15:00	19.4	19.4	1.2	0.0	0	0	0.0	0.0	
		13:20:00	19.4	19.4	1.2	0.0	0	0	0.0	0.0	
		Sample collected								-	
		Post sample	20.8	19.2	1.0	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area A (coke tip) VW25-04	17/03/2025	Pre-sample	20.2	0.0	0.0	0.0	1017	5.4	0	0.0	Falling
		Post-sample	19.9	0.0	0.0	0.0	1017	4.8	0	0.0	
	07/04/2025	Pre-sample	20.1	0.0	0.0	0.0	1029	9.2	0	0.0	Rising
		Post-sample	20.1	0.0	0.0	0.0	1028	10.3	0	0.0	
	28/04/2025	Pre-sample	20.5	0.0	0.0	0.0	1026	19.8	0	0.0	Steady
		Post-sample	20.6	0.0	0.0	0.0	1026	20.4	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
Area A (coke tip) VW25-04	17/03/2025	12:37:00	5.3	19.9	0.2	0.0	0	0	0.1	0.0	No odours observed. 4 cm water at base.
		12:37:30	5.3	12.8	2.2	0.0	0	0	0.1	0.0	
		12:38:00	5.3	9.0	3.2	0.0	0	0	0.1	0.0	
		12:38:30	5.3	6.1	4.0	0.0	10	0	0.8	0.0	
		12:39:00	5.2	3.4	4.6	0.0	10	0	1.6	0.0	
		12:39:30	5.2	2.6	4.7	0.0	10	0	1.3	0.0	
		12:40:00	5.2	2.5	4.7	0.0	10	0	0.8	0.0	
		12:40:30	5.2	2.7	4.7	0.0	10	0	1.6	0.0	
		12:41:00	5.2	2.8	4.6	0.0	10	0	0.8	0.0	
		12:41:30	5.2	2.9	4.6	0.0	10	0	0.7	0.0	
		12:42:00	5.2	3.1	4.6	0.0	10	0	1.1	0.0	
		12:42:30	5.2	3.6	4.4	0.0	10	0	0.8	0.0	
		12:43:00	5.2	4.1	4.4	0.0	10	0	1.4	0.0	
		12:43:30	5.2	4.3	4.3	0.0	10	0	1.4	0.0	
		12:44:00	5.2	4.4	4.3	0.0	10	0	1.6	0.0	
		Sample collected								-	
		13:11:00	4.9	14.0	3.5	0.0	10	0	0.0	0.0	
		13:11:30	4.9	5.1	4.2	0.0	10	0	0.3	0.0	
		13:12:00	4.9	2.9	4.7	0.0	10	0	0.4	0.0	
		13:12:30	4.9	2.2	4.3	0.0	10	0	0.5	0.0	
		13:13:00	4.9	1.9	4.8	0.0	10	0	0.2	0.0	
		13:13:30	4.8	1.6	4.9	0.0	10	0	0.0	0.0	
		13:14:00	4.8	1.4	4.9	0.0	10	0	0.0	0.0	
	28/04/2025	10:42:00	9.2	19.8	2.0	0.0	0	0	0.0	0.0	
		10:42:30	9.2	3.0	5.5	0.0	0	0	0.1	0.0	
		10:43:00	9.2	1.7	5.8	0.0	0	0	0.2	0.0	
		10:43:30	9.2	1.4	5.8	0.0	0	0	0.2	0.0	
		10:44:00	9.2	1.1	5.8	0.0	0	0	0.3	0.0	

Area A (coke tip) VW25-04	07/04/2025	10:44:30	9.3	0.9	5.9	0.0	0	0	0.6	0.0	Faint organic/ chemical odour observed. Damp at base.
		10:45:00	9.3	0.7	6.0	0.0	0	0	0.3	0.0	
		10:45:30	9.3	0.6	6.0	0.0	0	0	0.3	0.0	
		10:46:00	9.3	0.6	6.0	0.0	0	0	0.3	0.0	
		10:46:30	9.3	0.6	6.0	0.0	0	0	0.3	0.0	
		10:47:00	9.3	0.6	6.0	0.0	0	0	0.3	0.0	
		Sample collected								-	
		12:09:00	10.3	17.0	0.8	0.0	0	0	0.1	0.0	
		12:09:30	10.3	0.6	5.8	0.0	0	0	0.2	0.0	
		12:10:00	10.3	0.2	5.5	0.0	0	0	0.2	0.0	
		12:10:30	10.3	0.1	5.7	0.0	0	0	0.2	0.0	
		12:11:00	10.3	0.1	5.7	0.0	0	0	0.2	0.0	
		12:11:30	10.3	0.1	5.7	0.0	0	0	0.2	0.0	
		12:12:00	10.3	0.1	5.7	0.0	0	0	0.2	0.0	
	28/04/2025	10:58:00	19.8	4.3	5.9	0.0	0	0	0.0	0.0	NVOSC. No water at base depth.
		10:58:30	19.8	4.6	5.3	0.0	0	0	0.0	0.0	
		10:59:00	19.8	4.9	5.3	0.0	0	0	0.0	0.0	
		10:59:30	19.8	8.4	4.1	0.0	0	0	0.0	0.0	
		11:00:00	19.8	8.3	4.0	0.0	0	0	0.0	0.0	
		11:00:30	19.8	9.4	3.6	0.0	0	0	0.0	0.0	
		11:01:00	19.8	10.0	3.3	0.0	0	0	0.0	0.0	
		11:01:30	19.8	10.4	0.1	0.0	0	0	0.0	0.0	
		11:02:00	19.9	19.7	2.8	0.0	0	0	0.0	0.0	
		11:02:30	19.9	12.4	2.7	0.0	0	0	0.0	0.0	
		11:03:00	20.0	12.0	2.5	0.0	0	0	0.0	0.0	
		11:03:30	20.0	12.2	0.1	0.0	0	0	0.0	0.0	
		11:04:00	20.0	20.1	0.0	0.0	0	0	0.0	0.0	
		11:04:30	20.0	20.2	0.0	0.0	0	0	0.0	0.0	
		11:05:00	20.0	20.3	0.0	0.0	0	0	0.0	0.0	
		11:05:30	20.0	20.4	0.0	0.0	0	0	0.0	0.0	
		11:06:00	20.0	20.4	0.0	0.0	0	0	0.0	0.0	
		11:06:30	20.0	20.4	0.0	0.0	0	0	0.0	0.0	
		11:07:00	20.0	20.4	0.0	0.0	0	0	0.0	0.0	
		Sample collected									
		Post Sample	20.4	20.4	0.0	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2 %	CO_2 %	CH_4 %	PID ppm	Atm. Pressure ppm	Temp. °C	Diff. Pressure Pa	Flow L/hr	Rising / falling pressure
Area A (coke tip) VW25-23	17/03/2025	Pre-sample	19.8	0.0	0.0	0.0	1017	4.9	0	0.0	Falling
		Post-sample	20.1	0.0	0.0	0.0	1016	7.8	0	0.0	
	07/04/2025	Pre-sample	20.1	0.0	0.0	0.0	1027	9.8	0	0.0	Rising
		Post-sample	20.4	0.0	0.0	0.0	1027	10.2	0	0.0	
	28/04/2025	Pre-sample	20.5	0.0	0.0	0.0	1026	23.0	-9	-1.8	Steady
		Post-sample	20.6	0.0	0.0	0.0	1026		0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp. °C	O_2 %	CO_2 %	CH_4 %	CO ppm	H_2S ppm	PID ppm		
Area A (coke tip) VW25-23	17/03/2025	13:35:00	4.9	18.1	0.2	0.0	0	0	0.0	0.0	No odours observed. 51 cm water at base.
		13:35:30	4.9	17.4	0.5	0.0	0	0	0.0	0.0	
		13:36:00	4.9	17.3	0.5	0.0	0	0	0.0	0.0	
		13:36:30	4.9	17.2	0.5	0.0	0	0	0.0	0.0	
		13:37:00	4.9	17.2	0.5	0.0	0	0	0.0	0.0	
		13:37:30	4.9	17.2	0.5	0.0	0	0	0.0	0.0	
		13:38:00	4.9	17.2	0.5	0.0	0	0	0.0	0.0	
		13:38:30	4.9	17.2	0.5	0.0	0	0	0.0	0.0	
		Sample collected								-	
		14:29:00	7.8	16.8	0.5	0.0	0	0	0.0	0.0	
		14:29:30	7.8	17.7	0.5	0.0	0	0	0.0	0.0	
		14:30:00	7.8	17.6	0.5	0.0	0	0	0.0	0.0	
		14:30:30	7.8	17.6	0.5	0.0	0	0	0.0	0.0	
		14:31:00	7.8	17.6	0.5	0.0	0	0	0.0	0.0	
	07/04/2025	11:34:00	9.8	20.0	0.8	0.0	0	0	0.0	0.0	No odours observed. 49 cm water at base.
		11:34:40	9.8	17.6	0.8	0.0	0	0	0.0	0.0	
		11:35:00	9.8	17.4	0.8	0.0	0	0	0.0	0.0	
		11:35:30	9.8	17.4	0.8	0.0	0	0	0.0	0.0	
		11:36:00	9.8	17.4	0.8	0.0	0	0	0.0	0.0	
		11:36:30	9.8	17.3	0.8	0.0	0	0	0.0	0.0	
		11:37:00	9.8	17.3	0.8	0.0	0	0	0.0	0.0	
		11:37:30	9.8	17.3	0.8	0.0	0	0	0.0	0.0	
		11:38:00	9.8	17.3	0.8	0.0	0	0	0.0	0.0	
		Sample collected								-	
		12:59:00	10.2	16.7	0.6	0.0	0	0	0.0	0.0	
		12:59:30	10.2	18.8	0.6	0.0	0	0	0.0	0.0	
		13:00:00	10.2	18.8	0.6	0.0	0	0	0.0	0.0	
		13:00:30	10.2	18.8	0.6	0.0	0	0	0.0	0.0	
		13:01:00	10.2	18.8	0.6	0.0	0	0	0.0	0.0	
	28/04/2025	10:19:00	23.0	20.7	0.7	0.0	0	0	0.0	0.0	Very silty and brown. NVOSC. 54 cm water at base.
		10:19:30	23.0	16.4	1.1	0.0	0	0	0.0	0.0	
		10:20:00	23.0	16.7	1.1	0.0	0	0	0.0	0.0	
		10:20:30	23.0	16.3	1.1	0.0	0	0	0.0	0.0	
		10:21:00	23.0	16.5	1.1	0.0	0	0	0.0	0.0	
		10:21:30	23.0	16.1	1.2	0.0	0	0	0.0	0.0	
		10:22:00	23.0	16.1	1.2	0.0	0	0	0.0	0.0	
		10:22:30	23.0	16.1	1.2	0.0	0	0	0.0	0.0	
		10:23:00	23.0	16.1	1.2	0.0	0	0	0.0	0.0	
		10:23:30	23.0	16.1	1.2	0.0	0	0	0.0	0.0	
		10:24:00	23.0	16.1	1.2	0.0	0	0	0.0	0.0	
		10:24:30	23.0	16.1	1.2	0.0	0	0	0.0	0.0	
		10:25:00	23.0	16.1	1.2	0.0	0	0	0.0	0.0	
		10:25:30	23.0	16.1	1.2	0.0	0	0	0.0	0.0	
		10:26:00	23.0	16.1	1.2	0.0	0	0	0.0	0.0	
		Sample collected								-	

Further information
Round 1-3 - VW25-24 was not monitored for gas/vapour due to 50-57cm water within the base of the well. No odours or sheens noted. Round 2 - VW25-24 was not monitored for gas/vapour due to 54cm water within the base of the well. No odours or sheens noted.

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area B (primary purifers) VW25-01	17/03/2025	Pre-sample	20.7	0.0	0.0	0.0	1008	6.4	0	0.0	Falling
		Post-sample	20.6	0.0	0.0	0.0	1009	6.9	0	0.0	
	09/04/2025	Pre-sample	20.4	0.0	0.0	0.0	1029	6.8	0	0.0	Rising
		Post-sample	20.3	0.0	0.0	0.0	1029	9.3	0	0.0	
	28/04/2025	Pre-sample	20.7	0.0	0.0	0.0	1026	20.7	0	0.0	Steady
		Post-sample	20.7	0.0	0.0	0.0	1026	21.2	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
Area B (primary purifers) VW25-01	17/03/2025	15:57:00	6.4	20.2	0.1	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		15:57:30	6.4	19.9	0.3	0.0	0	0	0.0	0.0	
		15:58:00	6.4	19.9	0.3	0.0	0	0	0.0	0.0	
		15:58:30	6.4	19.8	0.3	0.0	0	0	0.0	0.0	
		15:59:00	6.4	19.9	0.3	0.0	0	0	0.0	0.0	
		15:59:30	6.4	19.8	0.3	0.0	0	0	0.0	0.0	
		16:00:00	6.4	19.8	0.3	0.0	0	0	0.0	0.0	
		16:00:30	6.4	19.8	0.3	0.0	0	0	0.0	0.0	
		16:01:00	6.4	19.8	0.3	0.0	0	0	0.0	0.0	
		Sample collected								-	
		16:23:00	6.9	19.9	0.3	0.0	0	0	0.0	0.0	
		16:23:30	6.9	19.8	0.3	0.0	0	0	0.0	0.0	
		16:24:00	6.9	19.8	0.3	0.0	0	0	0.0	0.0	
		16:24:30	6.9	19.8	0.3	0.0	0	0	0.0	0.0	
		16:25:00	6.9	19.8	0.3	0.0	0	0	0.0	0.0	
		16:25:30	6.9	19.8	0.3	0.0	0	0	0.0	0.0	
		16:26:00	6.9	19.8	0.3	0.0	0	0	0.0	0.0	
	09/04/2025	09:09:00	6.9	20.1	0.1	0.0	0	0	0.0	0.0	No odours observed. 3 cm water at base.
		09:09:30	6.9	20.0	0.3	0.0	0	0	0.0	0.0	
		09:10:00	6.9	20.0	0.3	0.0	0	0	0.0	0.0	
		09:10:30	6.9	20.0	0.3	0.0	0	0	0.0	0.0	
		09:11:00	6.9	19.9	0.3	0.0	0	0	0.0	0.0	
		09:11:30	6.9	19.9	0.3	0.0	0	0	0.0	0.0	
		09:12:00	6.9	19.9	0.3	0.0	0	0	0.0	0.0	
		09:12:30	6.9	19.9	0.3	0.0	0	0	0.0	0.0	
		09:13:00	6.9	19.9	0.3	0.0	0	0	0.0	0.0	
		Sample collected								-	
		10:29:00	9.2	19.2	0.5	0.0	0	0	0.0	0.0	
		10:29:30	9.2	19.8	0.3	0.0	0	0	0.0	0.0	
		10:30:00	9.2	19.8	0.3	0.0	0	0	0.0	0.0	
		10:30:30	9.2	19.8	0.3	0.0	0	0	0.0	0.0	
		10:31:00	9.2	19.8	0.3	0.0	0	0	0.0	0.0	
	28/04/2025	15:28:00	20.8	20.5	0.3	0.0	0	0	0.0	0.0	No odours observed. 1 cm water at base.
		15:28:30	20.8	20.5	0.3	0.0	0	0	0.0	0.0	
		15:29:00	20.8	20.5	0.3	0.0	0	0	0.0	0.0	
		15:29:30	20.8	20.4	0.3	0.0	0	0	0.0	0.0	
		15:30:00	20.8	20.4	0.3	0.0	0	0	0.0	0.0	
		15:30:30	20.8	20.4	0.3	0.0	0	0	0.0	0.0	
		15:31:00	20.9	20.4	0.3	0.0	0	0	0.0	0.0	
		15:31:30	20.9	20.4	0.3	0.0	0	0	0.0	0.0	
		15:32:00	20.9	20.4	0.3	0.0	0	0	0.0	0.0	
		15:32:30	20.9	20.4	0.3	0.0	0	0	0.0	0.0	
		15:33:00	20.9	20.4	0.3	0.0	0	0	0.0	0.0	
		15:33:30	20.9	20.4	0.3	0.0	0	0	0.0	0.0	
		15:34:00	20.9	20.4	0.3	0.0	0	0	0.0	0.0	
		15:35:00	20.9	20.4	0.3	0.0	0	0	0.0	0.0	
		15:40:00	20.9	20.4	0.3	0.0	0	0	0.0	0.0	
		15:45:00	20.9	20.4	0.3	0.0	0	0	0.0	0.0	
		Sample collected								-	
		Post sample	21.2	20.4	0.3	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area B (Made Ground) VW25-08	18/03/2025	Pre-sample	20.6	0.0	0.0	0.0	1010	8.6	0	0.0	Falling
		Post-sample	20.6	0.0	0.0	0.0	1008	9.2	0	0.0	
	08/03/2025	Pre-sample	20..4	0.0	0.0	0.0	1029	6.8	0	0.0	Rising
		Post-sample	20.1	0.0	0.0	0.0	1029	8.1	0	0.0	
	29/04/2025	Pre-sample	20.3	0.0	0.0	0.0	1027	17.8	0	0.0	Steady
		Post-sample	20.5	0.0	0.0	0.0	1026	19.0	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
Area B (Made Ground) VW25-08	18/03/2025	11:21:00	8.6	20.0	0.1	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		11:21:30	8.6	19.1	0.5	0.0	0	0	0.0	0.0	
		11:22:00	8.6	19.0	0.6	0.0	0	0	0.0	0.0	
		11:22:30	8.6	19.0	0.6	0.0	0	0	0.0	0.0	
		11:23:00	8.6	19.0	0.6	0.0	0	0	0.0	0.0	
		11:23:30	8.6	19.0	0.6	0.0	0	0	0.0	0.0	
		11:24:00	8.6	18.0	0.6	0.0	0	0	0.0	0.0	
		11:24:30	8.6	18.0	0.6	0.0	0	0	0.0	0.0	
		11:25:00	8.6	18.0	0.6	0.0	0	0	0.0	0.0	
		Sample collected								-	
		12:11:00	9.2	19.3	0.5	0.0	0	0	0.0	0.0	
		12:11:30	9.2	19.1	0.6	0.0	0	0	0.0	0.0	
		12:12:00	9.2	19.0	0.6	0.0	0	0	0.0	0.0	
		12:12:30	9.2	19.0	0.6	0.0	0	0	0.0	0.0	
		12:13:00	9.2	19.0	0.6	0.0	0	0	0.0	0.0	
		12:13:30	9.2	19.0	0.6	0.0	0	0	0.0	0.0	
		12:14:00	9.2	19.0	0.6	0.0	0	0	0.0	0.0	
	08/04/2025	09:08:00	6.8	19.4	0.4	0.0	0	0	0.0	0.0	No odours observed. Installation damp
		09:08:30	6.8	18.7	0.7	0.0	0	0	0.0	0.0	
		09:09:00	6.9	18.6	0.7	0.0	0	0	0.0	0.0	
		09:09:30	6.9	18.6	0.7	0.0	0	0	0.0	0.0	
		09:10:00	6.9	18.6	0.7	0.0	0	0	0.0	0.0	
		09:10:30	6.9	18.6	0.7	0.0	0	0	0.0	0.0	
		09:11:00	6.9	18.6	0.7	0.0	0	0	0.0	0.0	
		09:11:30	6.9	18.6	0.7	0.0	0	0	0.0	0.0	
		09:12:00	6.9	18.6	0.7	0.0	0	0	0.0	0.0	

		Sample collected							-	Installation damp at base.
		09:46:00	7.9	19.3	0.3	0.0	0	0	0.0	0.0	
		09:46:30	7.9	18.1	1.3	0.0	0	0	0.0	0.0	
		09:47:00	7.9	18.1	1.3	0.0	0	0	0.0	0.0	
		09:47:30	7.9	18.0	1.3	0.0	0	0	0.0	0.0	
		09:48:00	7.9	18.0	1.3	0.0	0	0	0.0	0.0	
		09:48:30	7.9	18.0	1.3	0.0	0	0	0.0	0.0	
	29/04/2025	12:23:00	18.9	18.7	1.1	0.0	0	0	0.0	0.0	
		12:23:30	18.9	19.5	0.9	0.0	0	0	0.0	0.0	
		12:24:00	18.9	19.1	0.9	0.0	0	0	0.0	0.0	
		12:24:30	19.0	19.5	0.7	0.0	0	0	0.0	0.0	
		12:25:00	19.0	19.8	0.6	0.0	0	0	0.0	0.0	
		12:25:30	19.0	19.8	0.6	0.0	0	0	0.0	0.0	No odours observed.
		12:26:00	19.0	19.8	0.6	0.0	0	0	0.0	0.0	
		12:26:30	19.0	19.8	0.6	0.0	0	0	0.0	0.0	
		12:27:00	19.1	19.8	0.6	0.0	0	0	0.0	0.0	Installation damp at base.
		12:27:30	19.1	19.8	0.6	0.0	0	0	0.0	0.0	
		12:28:00	19.1	19.8	0.6	0.0	0	0	0.0	0.0	
		12:30:00	19.1	20.0	0.5	0.0	0	0	0.0	0.0	
		12:35:00	19.2	20.0	0.5	0.0	0	0	0.0	0.0	
		Sample collected							-	
		Post sample	20.5	20.0	0.4	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area B (Made Ground) VW25-09	18/03/2025	Pre-sample	20.6	0.0	0.0	0.0	1011	6.3	0	0.0	Falling
		Post-sample	20.5	0.0	0.0	0.0	1010	8.5	0	0.0	
	07/04/2025	Pre-sample	20.5	0.0	0.0	0.0	1027	14.8	0	0.0	Rising
		Post-sample	20.4	0.0	0.0	0.0	1027	14.1	0	0.0	
	28/04/2025	Pre-sample	20.7	0.0	0.0	0.0	1026	20.7	0	0.0	Steady
		Post-sample	20.6	0.0	0.0	0.0	1026	20.3	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
Area B (Made Ground) VW25-09	18/03/2025	09:53:00	6.4	20.3	1.9	0.0	0	0	0.0	0.0	No odours observed. 1 cm of water at base.
		09:53:30	6.4	17.4	2.0	0.0	0	0	0.0	0.0	
		09:54:00	6.3	17.4	2.0	0.0	0	0	0.0	0.0	
		09:54:30	6.3	17.4	2.0	0.0	0	0	0.0	0.0	
		09:55:00	6.3	17.4	2.0	0.0	0	0	0.0	0.0	
		09:55:30	6.3	17.4	2.0	0.0	0	0	0.0	0.0	
		09:56:00	6.3	17.4	2.0	0.0	0	0	0.0	0.0	
		09:56:30	6.3	17.4	2.0	0.0	0	0	0.0	0.0	
		09:57:00	6.3	17.4	2.0	0.0	0	0	0.0	0.0	
		Sample collected								-	
		10:20:00	6.5	18.1	1.7	0.0	0	0	0.0	0.0	
		10:20:30	6.5	17.9	1.8	0.0	0	0	0.0	0.0	
		10:21:00	6.5	17.9	1.8	0.0	0	0	0.0	0.0	
		10:21:30	6.5	17.9	1.8	0.0	0	0	0.0	0.0	
		10:22:00	6.5	17.9	1.8	0.0	0	0	0.0	0.0	
		10:22:30	6.5	17.9	1.8	0.0	0	0	0.0	0.0	
		10:23:00	6.5	17.9	1.8	0.0	0	0	0.0	0.0	
	07/04/2025	15:16:00	14.8	20.0	0.2	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		15:16:30	14.8	17.2	2.1	0.0	0	0	0.0	0.0	
		15:17:00	14.8	17.1	2.1	0.0	0	0	0.0	0.0	
		15:17:30	14.8	17.1	2.1	0.0	0	0	0.0	0.0	
		15:18:00	14.8	17.0	2.1	0.0	0	0	0.0	0.0	
		15:18:30	14.8	17.1	2.1	0.0	0	0	0.0	0.0	
		15:19:00	14.8	17.1	2.1	0.0	0	0	0.0	0.0	
		15:19:30	14.8	17.1	2.1	0.0	0	0	0.0	0.0	
		15:20:00	14.8	17.1	2.1	0.0	0	0	0.0	0.0	
		Sample collected								-	
		15:59:00	14.1	20.2	0.2	0.0	0	0	0.0	0.0	
		15:59:30	14.1	18.4	1.9	0.0	0	0	0.0	0.0	
		16:00:00	14.1	17.9	2.0	0.0	0	0	0.0	0.0	
		16:00:30	14.1	17.8	2.0	0.0	0	0	0.0	0.0	
		16:01:00	14.1	17.8	2.0	0.0	0	0	0.0	0.0	
		16:01:30	14.1	17.8	2.0	0.0	0	0	0.0	0.0	
	28/04/2025	14:47:00	20.7	17.7	3.0	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		14:47:30	20.7	15.5	3.2	0.0	0	0	0.0	0.0	
		14:48:00	20.7	15.4	3.2	0.0	0	0	0.0	0.0	
		14:48:30	20.7	15.3	3.2	0.0	0	0	0.0	0.0	
		14:49:00	20.7	15.2	3.3	0.0	0	0	0.0	0.0	
		14:49:30	20.7	15.1	3.4	0.0	0	0	0.0	0.0	
		14:50:00	20.7	15.1	3.4	0.0	0	0	0.0	0.0	
		14:55:00	20.7	15.1	3.4	0.0	0	0	0.0	0.0	
		15:00:00	20.7	15.1	3.4	0.0	0	0	0.0	0.0	
		Sample collected								-	
		Post sample	20.3	15.1	3.4	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area B (Gasholder 3) VW25-11A	18/03/2025	Pre-sample	20.4	0.0	0.0	0.0	1009	8.3	0	0.0	Falling
		Post-sample	20.6	0.0	0.0	0.0	1010	8.6	0	0.1	
	08/04/2025	Pre-sample	20.1	0.0	0.0	0.0	1029	8.2	0	0.0	Rising
		Post-sample	20.3	0.0	0.0	0.0	1028	11.1	0	0.0	
	29/04/2025	Pre-sample	20.7	0.0	0.0	0.0	1026	20.3	0	0.0	Steady
		Post-sample	20.6	0.0	0.0	0.0	1026	21.5	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
	18/03/2025	10:36:00	8.3	20.0	0.4	0.0	0	0	0.0	0.0004	No odours observed. Installation damp at base.
		10:36:30	8.3	20.1	0.3	0.0	0	0	0.0	0.0003	
		10:37:00	8.3	20.2	0.4	0.0	0	0	0.0	0.0004	
		10:37:30	8.3	20.2	0.4	0.0	0	0	0.0	0.0004	
		10:38:00	8.4	20.2	0.4	0.0	0	0	0.0	0.0004	
		10:38:30	8.4	20.2	0.4	0.0	0	0	0.0	0.0004	
		10:39:00	8.4	20.2	0.4	0.0	0	0	0.0	0.0004	
		10:39:30	8.4	20.2	0.4	0.0	0	0	0.0	0.0004	
		10:40:00	8.4	20.2	0.4	0.0	0	0	0.0	0.0004	
		Sample collected								-	
		11:05:00	8.6	19.7	0.4	0.0	0	0	0.0	0.0004	

		11:05:30	8.6	20.3	0.4	0.0	0	0	0.0	0.0004	
		11:06:00	8.6	20.3	0.4	0.0	0	0	0.0	0.0004	
		11:06:30	8.6	20.3	0.4	0.0	0	0	0.0	0.0004	
		11:07:00	8.6	20.3	0.4	0.0	0	0	0.0	0.0004	
	08/04/2025	10:05:00	8.2	20.1	0.1	0.0	0	0	0.0	0.0000	
		10:05:30	8.2	19.9	0.5	0.0	0	0	0.0	0.0000	
		10:06:00	8.2	19.8	0.5	0.0	0	0	0.0	0.0000	
		10:06:30	8.2	19.7	0.5	0.0	0	0	0.0	0.0000	
Area B (Gasholder 3)		10:07:00	8.3	19.7	0.5	0.0	0	0	0.0	0.0000	
		10:07:30	8.3	19.7	0.5	0.0	0	0	0.0	0.0000	No odours observed.
VW25-11A		10:08:00	8.3	19.7	0.5	0.0	0	0	0.0	0.0000	
		10:08:30	8.3	19.7	0.5	0.0	0	0	0.0	0.0000	
		10:09:00	8.3	19.7	0.5	0.0	0	0	0.0	0.0000	Installation damp at base.
		Sample collected								-	
		10:52:00	11.1	19.5	0.8	0.0	0	0	0.0	0.0000	
		10:52:30	11.1	20.0	0.4	0.0	0	0	0.0	0.0000	
		10:53:00	11.1	20.0	0.4	0.0	0	0	0.0	0.0000	
		10:53:30	11.1	20.0	0.4	0.0	0	0	0.0	0.0000	
		10:54:00	11.1	20.0	0.4	0.0	0	0	0.0	0.0000	
	29/04/2025	12:52:00	20.3	19.9	0.7	0.0	0	0	0.0	0.0	
		12:52:30	20.3	19.7	0.7	0.0	0	0	0.0	0.0	
		12:53:00	20.3	19.6	0.7	0.0	0	0	0.0	0.0	
		12:53:30	20.3	19.6	0.7	0.0	0	0	0.0	0.0	
		12:54:00	20.3	19.6	0.7	0.0	0	0	0.0	0.0	No odours observed.
		12:54:30	20.3	19.6	0.7	0.0	0	0	0.0	0.0	
		12:55:00	20.5	19.6	0.7	0.0	0	0	0.0	0.0	
		12:55:30	20.5	19.6	0.7	0.0	0	0	0.0	0.0	
		12:56:00	20.5	19.6	0.7	0.0	0	0	0.0	0.0	Installation damp at base.
		12:56:30	20.5	19.6	0.7	0.0	0	0	0.0	0.0	
		12:57:00	20.5	19.6	0.7	0.0	0	0	0.0	0.0	
		Sample collected								-	
		Post sample	21.3	19.6	0.7	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	˚C	Pa	L/hr	
Area B (Exhauster house) VW25-12	19/03/2025	Pre-sample	20.4	0.0	0.0	0.0	1007	12.6	0	0.0	Falling
		Post-sample	20.4	0.0	0.0	0.0	1006	12.1	0	0.0	
	09/04/2025	Pre-sample	20.3	0.0	0.0	0.0	1029	7.4	0	0.0	Rising
		Post-sample	20.3	0.0	0.0	0.0	1028	8.2	0	0.0	
	07/05/2025	Pre-sample	19.6	0.0	0.0	0.0	1023	14.6	0	0.0	Steady
		Post-sample	19.6	0.0	0.0	0.0	1023	12.8	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			˚C	%	%	%	ppm	ppm	ppm		
Area B (Exhauster house) VW25-12	19/03/2025	15:06:00	12.6	19.3	0.6	0.0	0	0	0.0	0.0	
		15:06:30	12.6	18.0	0.9	0.0	0	0	0.0	0.0	
		15:07:00	12.6	17.9	0.9	0.0	0	0	0.0	0.0	
		15:07:30	12.6	17.8	0.9	0.0	0	0	0.0	0.0	
		15:08:00	12.6	17.8	0.9	0.0	0	0	0.0	0.0	
		15:08:30	12.6	17.8	0.9	0.0	0	0	0.0	0.0	No odours observed.
		15:09:00	12.6	17.8	0.9	0.0	0	0	0.0	0.0	
		15:09:30	12.6	17.8	0.9	0.0	0	0	0.0	0.0	
		15:10:00	12.6	17.8	0.9	0.0	0	0	0.0	0.0	Installation damp at base.
		Sample collected								-	
		15:33:00	12.1	19.0	0.8	0.0	0	0	0.0	0.0	
		15:33:30	12.1	18.2	0.9	0.0	0	0	0.0	0.0	
		15:34:00	12.1	17.8	0.9	0.0	0	0	0.0	0.0	
		15:34:30	12.1	17.8	0.9	0.0	0	0	0.0	0.0	
		15:35:00	12.1	17.8	0.9	0.0	0	0	0.0	0.0	
	09/04/2025	11:12:00	7.5	20.0	0.3	0.0	0	0	0.0	0.0	
		11:12:30	7.5	18.7	0.5	0.0	0	0	0.0	0.0	
		11:13:00	7.6	18.5	1.5	0.0	0	0	0.0	0.0	
		11:13:30	7.6	18.5	1.5	0.0	0	0	0.0	0.0	
		11:14:00	7.6	18.4	1.5	0.0	0	0	0.0	0.0	
		11:14:30	7.7	18.4	1.5	0.0	0	0	0.0	0.0	No odours observed.
		11:15:00	7.7	18.4	1.5	0.0	0	0	0.0	0.0	
		11:15:30	7.7	18.4	1.5	0.0	0	0	0.0	0.0	
		11:16:00	7.7	18.4	1.5	0.0	0	0	0.0	0.0	Installation damp at base.
		Sample collected								0.0	
		12:15:00	8.2	19.5	1.1	0.0	0	0	0.0	0.0	
		12:15:30	8.2	18.5	1.5	0.0	0	0	0.0	0.0	
		12:16:00	8.2	18.4	1.5	0.0	0	0	0.0	0.0	
		12:16:30	8.2	18.4	1.5	0.0	0	0	0.0	0.0	
		12:17:00	8.2	18.4	1.5	0.0	0	0	0.0	0.0	
	07/05/2025	15:16:00	15.3	18.9	0.3	0.0	0	0	0.0	0.0	
		15:16:30	15.3	17.5	1.8	0.0	0	0	0.0	0.0	
		15:17:00	15.4	16.6	1.8	0.0	0	0	0.0	0.0	
		15:17:30	15.4	16.3	1.9	0.0	0	0	0.0	0.0	
		15:18:00	16.0	16.2	1.9	0.0	0	0	0.0	0.0	
		15:18:30	16.2	16.1	1.9	0.0	0	0	0.0	0.0	
		15:19:00	16.2	16.1	1.9	0.0	0	0	0.0	0.0	Within paved area.
		15:19:30	16.2	16.1	1.9	0.0	0	0	0.0	0.0	
		15:20:00	16.2	16.1	1.9	0.0	0	0	0.0	0.0	Dry. NVOSC.
		Sample collected								-	
		15:52:00	13.0	19.1	0.5	0.0	0	0	0.0	0.0	
		15:52:30	13.0	18.6	1.8	0.0	0	0	0.0	0.0	
		15:53:00	12.8	16.2	1.8	0.0	0	0	0.0	0.0	
		15:53:30	12.8	16.2	1.8	0.0	0	0	0.0	0.0	
		15:54:00	12.8	16.2	1.8	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	˚C	Pa	L/hr	
Area B (Made Ground) VW25-13	19/03/2025	Pre-sample	20.8	0.0	0.0	0.0	1008	9.9	0	0.0	Falling
		Post-sample	20.4	0.0	0.0	0.0	1009	12.0	0	0.0	
	08/04/2025	Pre-sample	20.4	0.0	0.0	0.0	1027	12.2	0	0.0	Rising
		Post-sample	20.3	0.0	0.0	0.0	1027	12.0	0	0.0	
	07/05/2025	Pre-sample	19.6	0.0	0.0	0.0	1026	14.2	1	0.2	Steady
		Post-sample	19.5	0.0	0.0	0.0	1027	14.5	0	0.1	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			˚C	%	%	%	ppm	ppm	ppm		

Area B (Made Ground) VW25-13	19/03/2025	14:13:00	9.9	20.0	0.2	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		14:13:30	9.9	16.2	1.1	0.0	0	0	0.0	0.0	
		14:14:00	9.9	16.1	1.1	0.0	0	0	0.0	0.0	
		14:14:30	9.9	16.0	1.1	0.0	0	0	0.0	0.0	
		14:15:00	9.9	16.0	1.1	0.0	0	0	0.0	0.0	
		14:15:30	9.9	16.0	1.1	0.0	0	0	0.0	0.0	
		14:16:00	9.9	16.0	1.1	0.0	0	0	0.0	0.0	
		14:16:30	9.9	16.0	1.1	0.0	0	0	0.0	0.0	
		14:17:00	9.9	16.0	1.1	0.0	0	0	0.0	0.0	
		Sample collected								-	
		14:42:00	12.0	18.1	0.9	0.0	0	0	0.0	0.0	
		14:42:30	12.0	16.1	1.1	0.0	0	0	0.0	0.0	
		14:43:00	12.0	16.0	1.1	0.0	0	0	0.0	0.0	
		14:43:30	12.0	16.0	1.1	0.0	0	0	0.0	0.0	
		14:44:00	12.0	16.0	1.1	0.0	0	0	0.0	0.0	
	08/04/2025	15:06:00	13.4	18.9	0.6	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		15:06:30	13.4	16.4	1.3	0.0	0	0	0.0	0.0	
		15:07:00	13.4	16.3	1.3	0.0	0	0	0.0	0.0	
		15:07:30	13.4	16.2	1.3	0.0	0	0	0.1	0.0	
		15:08:00	13.4	16.2	1.3	0.0	0	0	0.1	0.0	
		15:08:30	13.4	16.2	1.3	0.0	0	0	0.1	0.0	
		15:09:00	13.4	16.2	1.3	0.0	0	0	0.1	0.0	
		15:09:30	13.4	16.2	1.3	0.0	0	0	0.1	0.0	
		15:10:00	13.4	16.2	1.3	0.0	0	0	0.1	0.0	
		Sample collected								0.0	
		15:51:00	12.0	19.6	0.5	0.0	0	0	0.0	0.0	
		15:51:30	12.0	17.5	1.1	0.0	0	0	0.1	0.0	
		15:52:00	12.0	16.7	1.3	0.0	0	0	0.1	0.0	
		15:52:30	12.0	16.3	1.3	0.0	0	0	0.1	0.0	
		15:53:00	12.0	16.2	1.4	0.0	0	0	0.1	0.0	
		15:53:30	12.0	16.2	1.4	0.0	0	0	0.1	0.0	
		15:54:00	12.0	16.2	1.4	0.0	0	0	0.1	0.0	
	07/05/2025	14:45:00	15.8	18.4	1.8	0.0	0	0	0.0	0.0	Within concrete. Dry. NVOSC.
		14:45:30	15.8	14.8	1.9	0.0	0	0	0.0	0.0	
		14:46:00	15.5	14.5	1.9	0.0	0	0		0.0	
		14:46:30	15.5	14.4	1.9	0.0	0	0	0.0	0.0	
		14:47:00	15.0	14.4	1.9	0.0	0	0	0.0	0.0	
		14:47:30	15.0	14.4	1.9	0.0	0	0		0.0	
		14:48:00	14.8	14.4	1.9	0.0	0	0	0.0	0.0	
		14:48:30	14.8	14.4	1.9	0.0	0	0	0.0	0.0	
		14:49:00	14.8	14.4	1.9	0.0	0	0		0.0	
		Sample collected								-	
		15:25:00	14.5	19.2	0.6	0.0	0	0	0.0	0.0	
		15:25:30	14.5	18.0	1.9	0.0	0	0	0.0	0.0	
		15:26:00	14.5	14.5	1.9	0.0	0	0	0.0	0.0	
		15:26:30	14.5	14.5	1.9	0.0	0	0	0.0	0.0	
		15:27:00	14.5	14.5	1.9	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area B (Gasholder 2) VW25-14	19/03/2025	Pre-sample	20.6	0.0	0.0	0.0	1008	7.3	0	0.0	Falling
		Post-sample	20.1	0.0	0.0	0.0	1007	7.5	0	0.0	
	08/04/2025	Pre-sample	20.4	0.0	0.0	0.0	1028	12.2	0	0.0	Rising
		Post-sample	20.4	0.0	0.0	0.0	1028	10.5	0	0.0	
	07/05/2025	Pre-sample	19.6	0.0	0.0	0.0	1025	15.8	0	0.0	Steady
		Post-sample	19.6	0.0	0.0	0.0	1024	15.1	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
Area B (Gasholder 2) VW25-14	19/03/2025	10:12:00	7.3	19.1	0.3	0.0	0	0	0.0	0.0	No odours observed. 16 cm water at base.
		10:12:30	7.3	19.4	0.0	0.0	0	0	0.0	0.0	
		10:13:00	7.3	19.3	0.0	0.0	0	0	0.0	0.0	
		10:13:30	7.3	19.3	0.0	0.0	0	0	0.0	0.0	
		10:14:00	7.3	19.3	0.0	0.0	0	0	0.0	0.0	
		10:14:30	7.3	19.3	0.0	0.0	0	0	0.0	0.0	
		10:15:00	7.3	19.3	0.0	0.0	0	0	0.0	0.0	
		10:15:30	7.3	19.3	0.0	0.0	0	0	0.0	0.0	
		10:16:00	7.3	19.3	0.0	0.0	0	0	0.0	0.0	
		Sample collected								-	
		11:00:00	7.5	19.0	0.1	0.0	0	0	0.0	0.0	
		11:00:30	7.5	19.2	0.0	0.0	0	0	0.0	0.0	
		11:01:00	7.5	19.1	0.0	0.0	0	0	0.0	0.0	
		11:01:30	7.5	19.1	0.0	0.0	0	0	0.0	0.0	
		11:02:00	7.5	19.1	0.0	0.0	0	0	0.0	0.0	
	08/04/2025	14:49:00	12.2	20.4	0.0	0.0	0	0	0.0	0.0	No odours observed. 16 cm water at base.
		14:49:30	12.2	20.6	0.0	0.0	0	0	0.0	0.0	
		14:50:00	12.2	20.6	0.0	0.0	0	0	0.0	0.0	
		14:50:30	12.2	20.6	0.0	0.0	0	0	0.0	0.0	
		14:51:00	12.2	20.6	0.0	0.0	0	0	0.0	0.0	
		14:51:30	12.2	20.6	0.0	0.0	0	0	0.0	0.0	
		14:52:00	12.2	20.6	0.0	0.0	0	0	0.0	0.0	
		14:52:30	12.2	20.6	0.0	0.0	0	0	0.0	0.0	
		14:53:00	12.2	20.6	0.0	0.0	0	0	0.0	0.0	
		Sample collected								-	
		15:38:00	10.5	18.3	0.4	0.0	0	0	0.0	0.0	
		15:38:30	10.5	18.6	0.2	0.0	0	0	0.0	0.0	
		15:39:00	10.5	18.4	0.2	0.0	0	0	0.0	0.0	
		15:39:30	10.5	18.4	0.2	0.0	0	0	0.0	0.0	
		15:40:00	10.5	18.4	0.2	0.0	0	0	0.0	0.0	
	07/05/2025	12:57:00	15.8	19.3	0.2	0.0	0	0	0.0	0.0	Located in paving slab. Dry. NVOSC.
		12:57:30	15.8	18.6	0.7	0.0	0	0	0.0	0.0	
		12:58:00	15.7	17.5	0.8	0.0	0	0	0.0	0.0	
		12:58:30	15.7	17.2	0.8	0.0	0	0	0.0	0.0	
		12:59:00	15.7	17.1	0.8	0.0	0	0	0.0	0.0	
		12:59:30	15.7	17.1	0.8	0.0	0	0	0.0	0.0	
		13:00:00	15.6	17.1	0.8	0.0	0	0	0.0	0.0	
		13:00:30	15.6	17.1	0.8	0.0	0	0	0.0	0.0	
		13:01:00	15.6	17.1	0.8	0.0	0	0	0.0	0.0	
		Sample collected								-	
		13:34:00	14.4	19.3	0.3	0.0	0	0	0.0	0.0	
		13:34:30	14.4	18.2	0.7	0.0	0	0	0.0	0.0	
		13:35:00	14.4	17.3	0.8	0.0	0	0	0.0	0.0	
		13:35:30	14.4	17.3	0.8	0.0	0	0	0.0	0.0	

		13:36:00	14.4	17.3	0.8	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area B (Made Ground) VW25-15	19/03/2025	Pre-sample	20.2	0.0	0.0	0.0	1008	7.9	0	0.1	Falling
		Post-sample	20.2	0.0	0.0	0.0	1009	10.9	0	0.0	
	09/04/2025	Pre-sample	20.3	0.0	0.0	0.0	1030	10.1	0	0.0	Rising
		Post-sample	20.3	0.0	0.0	0.0	1030	12.2	0	0.0	
	07/05/2025	Pre-sample	19.5	0.0	0.0	0.0	1024	14.8	0	0.0	Steady
		Post-sample	19.6	0.0	0.0	0.0	1024	15.1	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
Area B (Made Ground) VW25-15	19/03/2025	11:18:00	8.0	20.0	0.8	0.0	0	0	0.0	0.0008	No odours observed. Installation damp at base.
		11:18:30	8.0	18.5	1.1	0.0	0	0	0.0	0.0011	
		11:19:00	8.0	18.4	1.1	0.0	0	0	0.0	0.0011	
		11:19:30	8.0	18.4	1.1	0.0	0	0	0.0	0.0011	
		11:20:00	8.1	18.4	1.2	0.0	0	0	0.0	0.0012	
		11:20:30	8.1	18.4	1.2	0.0	0	0	0.0	0.0012	
		11:21:00	8.1	18.4	1.2	0.0	0	0	0.0	0.0012	
		11:21:30	8.1	18.4	1.2	0.0	0	0	0.0	0.0012	
		11:22:00	8.1	18.4	1.2	0.0	0	0	0.0	0.0012	
		Sample collected								-	
		11:49:00	10.9	19.1	0.9	0.0	0	0	0.0	0.0009	
		11:49:30	10.9	18.9	1.0	0.0	0	0	0.0	0.0010	
		11:50:00	10.9	18.7	1.1	0.0	0	0	0.0	0.0011	
		11:50:30	10.9	18.6	1.1	0.0	0	0	0.0	0.0011	
		11:51:00	10.9	18.6	1.1	0.0	0	0	0.0	0.0011	
		11:51:30	10.9	18.6	1.1	0.0	0	0	0.0	0.0011	
		11:52:00	10.9	18.6	1.1	0.0	0	0	0.0	0.0011	
	09/04/2025	13:54:00	10.2	19.4	0.5	0.0	0	0	0.1	0.0000	No odours observed. Installation damp at base.
		13:54:30	10.2	20.1	0.5	0.0	0	0	0.0	0.0000	
		13:55:00	10.2	20.1	0.5	0.0	0	0	0.0	0.0000	
		13:55:30	10.2	20.0	0.5	0.0	0	0	0.0	0.0000	
		13:56:00	10.3	20.0	0.5	0.0	0	0	0.0	0.0000	
		13:56:30	10.3	20.0	0.5	0.0	0	0	0.0	0.0000	
		13:57:00	10.3	20.0	0.5	0.0	0	0	0.0	0.0000	
		13:57:30	10.3	20.0	0.5	0.0	0	0	0.0	0.0000	
		13:58:00	10.3	20.0	0.5	0.0	0	0	0.0	0.0000	
		Sample collected								-	
		15:23:00	12.2	19.7	0.5	0.0	0	0	0.0	0.0000	
		15:23:30	12.2	20.2	0.4	0.0	0	0	0.0	0.0000	
		15:24:00	12.2	20.1	0.4	0.0	0	0	0.0	0.0000	
		15:24:30	12.2	20.2	0.4	0.0	0	0	0.0	0.0000	
		15:25:00	12.2	20.1	0.4	0.0	0	0	0.0	0.0000	
		15:25:30	12.2	20.1	0.4	0.0	0	0	0.0	0.0000	
		15:26:00	12.2	20.1	0.4	0.0	0	0	0.0	0.0000	
	07/05/2025	13:20:00	14.8	19.3	0.3	0.0	0	0	0.0	0.0	Within soft cover grass. NVOSC.
		13:20:30	14.8	19.0	0.9	0.0	0	0	0.0	0.0	
		13:21:00	14.8	18.8	0.9	0.0	0	0	0.0	0.0	
		13:21:30	14.8	18.7	0.9	0.0	0	0	0.0	0.0	
		13:22:00	14.9	18.7	1.0	0.0	0	0	0.0	0.0	
		13:22:30	14.9	18.6	1.0	0.0	0	0	0.0	0.0	
		13:23:00	14.9	18.7	1.0	0.0	0	0	0.0	0.0	
		13:23:30	14.9	18.7	1.0	0.0	0	0	0.0	0.0	
		13:24:00	14.9	18.7	1.0	0.0	0	0	0.0	0.0	
		Sample collected								-	
		14:01:00	13.8	19.4	0.4	0.0	0	0	0.0	0.0	
		14:01:30	15.1	19.0	0.8	0.0	0	0	0.0	0.0	
		14:02:00	15.1	18.7	0.9	0.0	0	0	0.0	0.0	
		14:02:30	15.1	18.7	0.9	0.0	0	0	0.0	0.0	
		14:03:00	15.1	18.7	0.9	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area B (Unknown) VW25-16A	19/03/2025	Pre-sample	20.2	0.0	0.0	0.0	1009	10.9	0	0.0	Falling
		Post-sample	20.2	0.0	0.0	0.0	1009	11.1	0	0.0	
	09/04/2025	Pre-sample	20.2	0.0	0.0	0.0	1030	9.9	0	0.0	Rising
		Post-sample	20.3	0.0	0.0	0.0	1030	10.1	0	0.0	
	07/05/2025	Pre-sample	19.6	0.0	0.0	0.0	1026	15.1	0	0.0	Steady
		Post-sample	19.7	0.0	0.0	0.0	1027	14.8	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
Area B (Unknown) VW25-16A	19/03/2025	12:03:00	10.9	19.8	0.5	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		12:03:30	10.9	18.0	2.0	0.0	0	0	0.0	0.0	
		12:04:00	10.9	17.9	2.2	0.0	0	0	0.0	0.0	
		12:04:30	10.9	17.8	2.3	0.0	0	0	0.0	0.0	
		12:05:00	10.9	17.8	2.3	0.0	0	0	0.0	0.0	
		12:05:30	10.9	17.8	2.3	0.0	0	0	0.0	0.0	
		12:06:00	10.9	17.8	2.3	0.0	0	0	0.0	0.0	
		12:06:30	10.9	17.8	2.3	0.0	0	0	0.0	0.0	
		12:07:00	10.9	17.8	2.3	0.0	0	0	0.0	0.0	
		Sample collected								-	
		12:39:00	11.1	19.6	0.3	0.0	0	0	0.0	0.0	
		12:39:30	11.1	17.9	2.3	0.0	0	0	0.0	0.0	
		12:40:00	11.1	17.9	2.3	0.0	0	0	0.0	0.0	
		12:40:30	11.1	17.9	2.3	0.0	0	0	0.0	0.0	
		12:41:00	11.1	17.9	2.3	0.0	0	0	0.0	0.0	
	09/04/2025	12:50:00	10.1	19.6	0.4	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		12:50:30	10.1	18.8	1.8	0.0	0	0	0.0	0.0	
		12:51:00	10.1	18.7	1.8	0.0	0	0	0.0	0.0	
		12:51:30	10.1	18.7	1.7	0.0	0	0	0.0	0.0	
		12:52:00	10.1	18.8	1.7	0.0	0	0	0.0	0.0	
		12:52:30	10.2	18.8	1.7	0.0	0	0	0.0	0.0	
		12:53:00	10.2	18.8	1.7	0.0	0	0	0.0	0.0	
		12:53:30	10.2	18.8	1.7	0.0	0	0	0.0	0.0	
		12:54:00	10.2	18.8	1.7	0.0	0	0	0.0	0.0	
		Sample collected								0.0	
		13:42:00	12.1	19.2	1.2	0.0	0	0	0.1	0.0	
		13:42:30	12.1	19.3	1.4	0.0	0	0	0.0	0.0	

		13:43:00	12.1	19.3	1.4	0.0	0	0	0.1	0.0	
		13:43:30	12.1	19.3	1.4	0.0	0	0	0.1	0.0	
		13:44:00	12.1	19.3	1.4	0.0	0	0	0.1	0.0	
	07/05/2025	14:26:00	15.2	18.0	1.1	0.0	0		0.1	0.0	
		14:26:30	15.2	18.2	2.0	0.0	0	0	0.3	0.0	
		14:27:00	15.2	18.2	2.0	0.0	0	0	0.5	0.0	
		14:27:30	15.2	18.1	2.0	0.0	0	0	0.4	0.0	
		14:28:00	15.2	18.2	2.0	0.0	0	0	0.2	0.0	
		14:28:30	15.2	18.1	2.0	0.0	0	0	0.4	0.0	
		14:29:00	15.0	18.1	2.0	0.0	0	0	0.4	0.0	Within grass cover.
		14:29:30	15.0	18.1	2.0	0.0	0	0	0.4	0.0	
		14:30:00	15.0	18.1	2.0	0.0	0	0	0.4	0.0	Dry. NVOSC.
		Sample collected								0.0	
		15:06:00	14.9	19.3	0.4	0.0	0	0	0.2	0.0	
		15:06:30	14.8	18.2	1.9	0.0	0	0	0.4	0.0	
		15:07:00	14.8	18.1	1.9	0.0	0	0	0.3	0.0	
		15:07:30	14.8	18.1	1.9	0.0	0	0	0.4	0.0	
		15:08:00	14.8	18.1	1.9	0.0	0	0	0.4	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area B (Unknown) VW25-17	19/03/2025	Pre-sample	20.5	0.0	0.0	0.0	1008	6.5	0	0.0	Falling
		Post-sample	20.6	0.0	0.0	0.0	1008	7.3	0	0.0	
	08/04/2025	Pre-sample	20.4	0.0	0.0	0.0	1028	13.2	0	0.0	Rising
		Post-sample	20.4	0.0	0.0	0.0	1028	13.9	0	0.0	
	07/05/2025	Pre-sample	19.5	0.0	0.0	0.0	1026	13.5	0	0.0	Steady
		Post-sample	19.6	0.0	0.0	0.0	1026	15.0	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
Area B (Unknown) VW25-17	19/03/2025	09:20:00	6.5	20.3	0.6	0.0	0	0	0.0	0.0	No odours observed. <1cm water at base.
		09:20:30	6.5	18.9	0.8	0.0	13	0	0.0	0.0	
		09:21:00	6.5	18.8	0.8	0.0	15	0	0.0	0.0	
		09:21:30	6.5	18.8	0.8	0.0	16	0	0.0	0.0	
		09:22:00	6.5	18.8	0.8	0.0	19	0	0.0	0.0	
		09:22:30	6.5	18.8	0.8	0.0	15	0	0.0	0.0	
		09:23:00	6.5	18.8	0.8	0.0	21	0	0.0	0.0	
		09:23:30	6.5	18.8	0.8	0.0	19	0	0.0	0.0	
		09:24:00	6.5	18.8	0.8	0.0	18	0	0.0	0.0	
		09:24:30	6.6	18.8	0.8	0.0	19	0	0.0	0.0	
		09:25:00	6.6	18.8	0.8	0.0	19	0	0.0	0.0	
		09:25:30	6.6	18.8	0.8	0.0	19	0	0.0	0.0	
		09:26:00	6.6	18.8	0.8	0.0	19	0	0.0	0.0	
		Sample collected								-	
		09:54:00	7.3	19.2	0.7	0.0	10	0	0.0	0.0	
		09:54:30	7.3	19.0	0.8	0.0	11	0	0.0	0.0	
		09:55:00	7.3	19.0	0.8	0.0	15	0	0.0	0.0	
		09:55:30	7.3	19.0	0.8	0.0	17	0	0.0	0.0	
		09:56:00	7.3	19.0	0.8	0.0	17	0	0.0	0.0	
		09:56:30	7.3	19.0	0.8	0.0	17	0	0.0	0.0	
		09:57:00	7.3	19.0	0.8	0.0	17	0	0.0	0.0	
	08/04/2025	12:57:00	13.2	20.2	0.4	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		12:57:30	13.2	18.7	1.2	0.0	0	0	0.0	0.0	
		12:58:00	13.2	18.6	1.2	0.0	0	0	0.0	0.0	
		12:58:30	13.2	18.6	1.2	0.0	0	0	0.0	0.0	
		12:59:00	13.2	18.6	1.2	0.0	0	0	0.0	0.0	
		12:59:30	13.2	18.6	1.2	0.0	0	0	0.0	0.0	
		13:00:00	13.2	18.6	1.2	0.0	0	0	0.0	0.0	
		13:00:30	13.2	18.6	1.2	0.0	0	0	0.0	0.0	
		13:01:00	13.2	18.6	1.2	0.0	0	0	0.0	0.0	
		Sample collected								-	
		13:41:00	13.9	20.0	0.1	0.0	0	0	0.2	0.0	
		13:41:30	13.9	19.6	0.9	0.0	0	0	0.0	0.0	
		13:42:00	13.9	19.3	0.9	0.0	0	0	0.0	0.0	
		13:42:30	13.9	19.3	0.9	0.0	0	0	0.0	0.0	
		13:43:00	13.9	19.3	0.9	0.0	0	0	0.0	0.0	
		13:43:30	13.9	19.3	0.9	0.0	0	0	0.0	0.0	
		13:44:00	13.9	19.3	0.9	0.0	0	0	0.0	0.0	
	07/05/2025	12:40:00	13.6	0.6	0.0	0.0	0	0	0.4	0.0	Located in tarmacadam. Dry. NVOSC.
		12:40:30	13.6	2.3	0.0	0.0	0	0	0.3	0.0	
		12:41:00	13.8	2.4	0.0	0.0	0	0	0.4	0.0	
		12:41:30	13.8	2.3	0.0	0.0	0	0	0.3	0.0	
		12:42:00	13.9	2.3	0.0	0.0	0	0	0.3	0.0	
		12:42:30	13.9	2.3	0.0	0.0	0	0	0.3	0.0	
		12:43:00	13.9	2.3	0.0	0.0	0	0	0.3	0.0	
		12:43:30	13.9	2.3	0.0	0.0	0	0	0.3	0.0	
		12:44:00	13.9	2.3	0.0	0.0	0	0	0.3	0.0	
		Sample collected								-	
		14:09:00	18.7	0.9	0.0	0.0	0	0	0.2	0.0	
		14:09:30	18.7	1.1	0.0	0.0	0	0	0.3	0.0	
		14:10:00	17.9	1.6	0.0	0.0	0	0	0.2	0.0	
		14:10:30	17.9	1.6	0.0	0.0	0	0	0.4	0.0	
		14:11:00	17.9	1.6	0.0	0.0	0	0	0.4	0.0	
		14:11:30	17.9	1.6	0.0	0.0	0	0	0.4	0.0	
		14:12:00	17.9	1.6	0.0	0.0	0	0	0.4	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area B (Benzol washer) VW25-18	18/03/2025	Pre-sample	20.7	0.0	0.0	0.0	1009	7.2	0	0.0	Falling
		Post-sample	20.7	0.0	0.0	0.0	1008	6.4	0	0.0	
	08/04/2025	Pre-sample	20.4	0.0	0.0	0.0	1028	12.3	0	0.0	Rising
		Post-sample	20.5	0.0	0.0	0.0	1028	13.3	0	0.0	
	28/04/2025	Pre-sample	20.3	0.1	0.0	0.0	1027	18.2	0	0.0	Steady
		Post-sample	20.4	0.0	0.0	0.0	1026	20.1	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
		15:12:00	7.2	20.6	0.3	0.0	0	0	0.0	0.0	
		15:12:30	7.2	20.3	0.6	0.0	0	0	0.0	0.0	
		15:13:00	7.2	20.3	0.6	0.0	0	0	0.0	0.0	
		15:13:30	7.2	20.4	0.5	0.0	0	0	0.0	0.0	

Area B (Benzol washer) VW25-18	18/03/2025	15:14:00	7.2	20.4	0.4	0.0	0	0	0.0	0.0	Faint musty odours. <1cm water at base.
		15:14:40	7.2	20.4	0.4	0.0	0	0	0.0	0.0	
		15:15:00	7.2	20.4	0.4	0.0	0	0	0.0	0.0	
		15:15:30	7.2	20.4	0.4	0.0	0	0	0.0	0.0	
		15:16:00	7.2	20.4	0.4	0.0	0	0	0.0	0.0	
		Sample collected								-	
		15:40:00	7.4	20.1	0.2	0.0	0	0	0.0	0.0	
		15:40:30	7.4	20.6	0.2	0.0	0	0	0.0	0.0	
		15:41:00	7.4	20.5	0.2	0.0	0	0	0.0	0.0	
		15:41:30	7.4	20.5	0.2	0.0	0	0	0.0	0.0	
		15:42:00	7.4	20.5	0.2	0.0	0	0	0.0	0.0	
		15:42:30	7.4	20.5	0.2	0.0	0	0	0.0	0.0	
		15:43:00	7.4	20.5	0.2	0.0	0	0	0.0	0.0	
	08/04/2025	13:12:00	12.3	19.5	0.1	0.0	0	0	0.0	0.0	No odours observed. 2 cm water at base.
		13:12:30	12.3	20.5	0.0	0.0	0	0	0.0	0.0	
		13:13:00	12.3	20.5	0.0	0.0	0	0	0.0	0.0	
		13:13:30	12.3	20.5	0.0	0.0	0	0	0.0	0.0	
		13:14:00	12.3	20.5	0.0	0.0	0	0	0.0	0.0	
		13:14:30	12.3	20.5	0.0	0.0	0	0	0.0	0.0	
		13:15:00	12.3	20.5	0.0	0.0	0	0	0.0	0.0	
		13:15:30	12.3	20.5	0.0	0.0	0	0	0.0	0.0	
		13:16:00	12.3	20.5	0.0	0.0	0	0	0.0	0.0	
		Sample collected								-	
		13:58:00	13.3	20.1	0.3	0.0	0	0	0.1	0.0	
		13:58:30	13.3	20.1	0.5	0.0	0	0	0.2	0.0	
		13:59:00	13.3	20.0	0.6	0.0	0	0	0.1	0.0	
		13:59:30	13.3	19.9	0.6	0.0	0	0	0.1	0.0	
		14:00:00	13.3	19.9	0.6	0.0	0	0	0.1	0.0	
		14:00:30	13.3	19.9	0.6	0.0	0	0	0.1	0.0	
		14:01:00	13.3	19.9	0.6	0.0	0	0	0.1	0.0	
	29/04/2025	11:27:00	18.4	19.7	1.2	0.0	0	0	0.0	0.0	No odours observed. 2 cm water at base.
		11:27:30	18.4	17.7	1.5	0.0	0	0	0.0	0.0	
		11:28:00	18.4	17.5	1.5	0.0	0	0	0.0	0.0	
		11:28:30	18.4	17.3	1.6	0.0	0	0	0.0	0.0	
		11:29:00	18.4	17.3	1.6	0.0	0	0	0.0	0.0	
		11:29:30	18.4	17.2	1.6	0.0	0	0	0.0	0.0	
		11:30:00	18.6	17.2	1.6	0.0	0	0	0.0	0.0	
		11:30:30	18.6	17.2	1.6	0.0	0	0	0.0	0.0	
		11:31:00	18.6	17.2	1.6	0.0	0	0	0.0	0.0	
		11:31:30	18.6	17.2	1.6	0.0	0	0	0.0	0.0	
		11:32:00	18.7	17.2	1.6	0.0	0	0	0.0	0.0	
		11:32:30	18.7	17.2	1.6	0.0	0	0	0.0	0.0	
		11:33:00	18.7	17.2	1.6	0.0	0	0	0.0	0.0	
		11:37:00	18.7	17.2	1.6	0.0	0	0	0.0	0.0	
		11:40:00	18.7	17.2	1.6	0.0	0	0	0.0	0.0	
		Sample collected								-	
		Post sample	20.1	17.2	1.6	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2 %	CO_2 %	CH_4 %	PID ppm	Atm. Pressure ppm	Temp. °C	Diff. Pressure Pa	Flow L/hr	Rising / falling pressure
Area B (Unknown) VW25-19A	18/03/2025	Pre-sample	20.6	0.0	0.0	0.0	1009	6.9	0	0.0	Falling
		Post-sample	20.7	0.0	0.0	0.0	1010	6.3	0	0.0	
	09/04/2025	Pre-sample	20.2	0.0	0.0	0.0	1030	8.4	0	0.0	Rising
		Post-sample	20.3	0.0	0.0	0.0	1030	10.2	0	0.0	
	28/04/2025	Pre-sample	20.5	0.0	0.0	0.0	1024	22.2	0	0.0	Steady
		Post-sample	20.5	0.0	0.0	0.0	1024	21.8	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp. °C	O_2 %	CO_2 %	CH_4 %	CO ppm	H_2S ppm	PID ppm		
Area B (Unknown) VW25-19A	18/03/2025	16:36:00	6.8	20.0	0.9	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		16:36:30	6.8	18.3	1.4	0.0	0	0	0.0	0.0	
		16:37:00	6.8	18.2	1.4	0.0	0	0	0.0	0.0	
		16:37:30	6.8	18.2	1.4	0.0	0	0	0.0	0.0	
		16:38:00	6.8	18.2	1.4	0.0	0	0	0.0	0.0	
		16:38:30	6.8	18.2	1.5	0.0	0	0	0.0	0.0	
		16:39:00	6.7	18.2	1.5	0.0	0	0	0.0	0.0	
		16:39:30	6.7	18.2	1.5	0.0	0	0	0.0	0.0	
		16:40:00	6.7	18.2	1.5	0.0	0	0	0.0	0.0	
		Sample collected								-	
		17:03:00	6.3	19.5	0.9	0.0	0	0	0.0	0.0	
		17:03:30	6.3	18.7	1.2	0.0	0	0	0.0	0.0	
		17:04:00	6.3	18.2	1.5	0.0	0	0	0.0	0.0	
		17:04:30	6.3	18.2	1.5	0.0	0	0	0.0	0.0	
		17:05:00	6.3	18.2	1.5	0.0	0	0	0.0	0.0	
	09/04/2025	09:48:00	8.4	20.0	0.5	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		09:48:30	8.4	18.7	1.7	0.0	0	0	0.0	0.0	
		09:49:00	8.4	18.6	1.7	0.0	0	0	0.0	0.0	
		09:49:30	8.5	18.6	1.7	0.0	0	0	0.0	0.0	
		09:50:00	8.5	18.6	1.7	0.0	0	0	0.0	0.0	
		09:50:30	8.5	18.6	1.7	0.0	0	0	0.0	0.0	
		09:51:00	8.5	18.6	1.7	0.0	0	0	0.0	0.0	
		09:51:30	8.5	18.6	1.7	0.0	0	0	0.0	0.0	
		09:52:00	8.5	18.6	1.7	0.0	0	0	0.0	0.0	
		Sample collected								-	
		10:42:00	10.2	19.5	0.6	0.0	0	0	0.0	0.0	
		10:42:30	10.2	19.0	1.6	0.0	0	0	0.0	0.0	
		10:43:00	10.2	18.9	1.6	0.0	0	0	0.0	0.0	
		10:43:30	10.2	18.9	1.6	0.0	0	0	0.0	0.0	
		10:44:00	10.2	18.9	1.6	0.0	0	0	0.0	0.0	
	28/04/2025	16:04:00	22.2	19.5	1.4	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		16:04:30	22.2	19.3	1.4	0.0	0	0	0.0	0.0	
		16:05:00	22.2	19.3	1.4	0.0	0	0	0.0	0.0	
		16:05:30	22.2	19.2	1.4	0.0	0	0	0.0	0.0	
		16:06:00	22.2	19.2	1.4	0.0	0	0	0.0	0.0	
		16:06:30	22.2	19.2	1.4	0.0	0	0	0.0	0.0	
		16:07:00	22.2	19.2	1.4	0.0	0	0	0.0	0.0	
		16:07:30	22.2	19.2	1.4	0.0	0	0	0.0	0.0	
		16:08:00	22.0	19.2	1.4	0.0	0	0	0.0	0.0	
		16:08:30	22.0	19.2	1.4	0.0	0	0	0.0	0.0	
		16:09:00	22.0	19.2	1.4	0.0	0	0	0.0	0.0	
		16:09:30	22.0	19.2	1.4	0.0	0	0	0.0	0.0	
		16:10:00	22.0	19.2	1.4	0.0	0	0	0.0	0.0	
		16:15:00	22.0	19.2	1.4	0.0	0	0	0.0	0.0	
		16:20:00	22.0	19.2	1.4	0.0	0	0	0.0	0.0	

		Sample collected								
		Post sample	21.8	19.2	1.4	0.0	0	0	0.0	0.0

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2 %	CO_2 %	CH_4 %	PID ppm	Atm. Pressure ppm	Temp. °C	Diff. Pressure Pa	Flow L/hr	Rising / falling pressure
Area B (Refuse tip) VW25-20A	17/03/2025	Pre-sample	20.3	0.0	0.0	0.0	1016	6.5	0	0.0	Falling
		Post-sample	20.2	0.0	0.0	0.0	1016	6.7	0	0.0	
	07/04/2025	Pre-sample	20.5	0.0	0.0	0.0	1027	13.6	0	0.0	Rising
		Post-sample	20.4	0.0	0.0	0.0	1027	14.7	0	0.0	
	28/04/2025	Pre-sample	20.7	0.0	0.0	0.0	1026	21.3	0	0.0	Steady
		Post-sample	20.7	0.0	0.0	0.0	1026	20.7	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp. °C	O_2 %	CO_2 %	CH_4 %	CO ppm	H_2S ppm	PID ppm		
Area B (Refuse tip) VW25-20A	17/03/2025	15:25:00	6.8	19.5	0.3	0.0	0	0	0.0	0.0	No odours observed. 1 cm water at base.
		15:25:30	6.8	19.7	0.7	0.0	0	0	0.0	0.0	
		15:26:00	6.8	19.1	1.1	0.0	0	0	0.0	0.0	
		15:26:30	6.8	18.8	1.3	0.0	0	0	0.0	0.0	
		15:27:00	6.8	18.8	1.3	0.0	0	0	0.0	0.0	
		15:27:30	6.8	18.8	1.3	0.0	0	0	0.0	0.0	
		15:28:00	6.8	18.8	1.3	0.0	0	0	0.0	0.0	
		15:28:30	6.8	18.8	1.3	0.0	0	0	0.0	0.0	
		15:29:00	6.8	18.8	1.3	0.0	0	0	0.0	0.0	
		Sample collected								-	
		15:53:00	6.7	20.0	0.3	0.0	0	0	0.0	0.0	
		15:53:30	6.7	19.6	0.8	0.0	0	0	0.0	0.0	
		15:54:00	6.7	18.7	1.3	0.0	0	0	0.0	0.0	
		15:54:30	6.7	18.7	1.3	0.0	0	0	0.0	0.0	
		15:55:00	6.7	18.7	1.3	0.0	0	0	0.0	0.0	
	07/04/2025	13:59:00	13.6	19.5	0.4	0.0	0	0	0.1	0.0	No odours observed. Installation damp at base.
		13:59:30	13.6	19.2	1.3	0.0	0	0	0.1	0.0	
		14:00:00	13.6	18.9	1.4	0.0	0	0	0.1	0.0	
		14:00:30	13.6	18.9	1.4	0.0	0	0	0.1	0.0	
		14:01:00	13.6	18.9	1.4	0.0	0	0	0.1	0.0	
		14:01:30	13.6	18.9	1.4	0.0	0	0	0.1	0.0	
		14:02:00	13.6	18.9	1.4	0.0	0	0	0.1	0.0	
		14:02:30	13.6	18.9	1.4	0.0	0	0	0.1	0.0	
		14:03:00	13.6	18.9	1.4	0.0	0	0	0.1	0.0	
		Sample collected								-	
		14:36:00	14.7	19.9	1.1	0.0	0	0	0.0	0.0	
		14:36:30	14.7	19.2	1.3	0.0	0	0	0.0	0.0	
		14:37:00	14.7	19.2	1.3	0.0	0	0	0.0	0.0	
		14:37:30	14.7	19.2	1.3	0.0	0	0	0.0	0.0	
		14:38:00	14.7	19.2	1.3	0.0	0	0	0.0	0.0	
	28/04/2025	14:13:00	21.3	18.4	2.0	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		14:13:30	21.2	18.2	2.0	0.0	0	0	0.0	0.0	
		14:14:00	21.2	18.2	2.0	0.0	0	0	0.0	0.0	
		14:14:30	21.2	18.2	2.0	0.0	0	0	0.0	0.0	
		14:15:00	21.2	18.2	2.0	0.0	0	0	0.0	0.0	
		14:15:30	21.2	18.2	2.0	0.0	0	0	0.0	0.0	
		14:16:00	21.2	18.2	2.1	0.0	0	0	0.0	0.0	
		14:16:30	21.2	18.2	2.1	0.0	0	0	0.0	0.0	
		14:17:00	21.2	18.2	2.1	0.0	0	0	0.0	0.0	
		14:17:30	21.2	18.2	2.1	0.0	0	0	0.0	0.0	
		14:18:00	21.0	18.2	2.1	0.0	0	0	0.0	0.0	
		14:23:00	21.0	18.2	2.1	0.0	0	0	0.0	0.0	
		14:28:00	20.9	18.2	2.1	0.0	0	0	0.0	0.0	
		Sample collected								-	
		Post sample	20.7	20.7	0.0	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2 %	CO_2 %	CH_4 %	PID ppm	Atm. Pressure ppm	Temp. °C	Diff. Pressure Pa	Flow L/hr	Rising / falling pressure
Area B (Settling tanks) VW25-22	07/04/2025	Pre-sample	20.5	0.0	0.0	0.0	1026	14.7	0	0.0	Rising
		Post-sample	20.5	0.0	0.0	0.0	1026	14.1	0	0.0	
	28/04/2025	Pre-sample	20.6	0.0	0.0	0.0	1026	21.3	0	0.0	Steady
		Post-sample	20.6	0.0	0.0	0.0	1026	20.8	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp. °C	O_2 %	CO_2 %	CH_4 %	CO ppm	H_2S ppm	PID ppm		
Area B (Settling tanks) VW25-22	07/04/2025	14:54:00	14.7	19.3	0.6	0.0	0	0	0.0	0.0	No odours observed. 1 cm water at base.
		14:54:30	14.7	20.5	0.0	0.0	0	0	0.0	0.0	
		14:55:00	14.7	20.4	0.0	0.0	0	0	0.0	0.0	
		14:55:30	14.7	20.4	0.0	0.0	0	0	0.0	0.0	
		14:56:00	14.7	20.4	0.0	0.0	0	0	0.0	0.0	
		14:56:30	14.7	20.4	0.0	0.0	0	0	0.0	0.0	
		14:57:00	14.7	20.4	0.0	0.0	0	0	0.0	0.0	
		14:57:30	14.7	20.4	0.0	0.0	0	0	0.0	0.0	
		14:58:00	14.7	20.4	0.0	0.0	0	0	0.0	0.0	
		Sample collected								-	
		15:44:00	14.1	20.0	0.1	0.0	0	0	0.0	0.0	
		15:44:30	14.1	20.5	0.0	0.0	0	0	0.0	0.0	
		15:45:00	14.1	20.5	0.0	0.0	0	0	0.0	0.0	
		15:45:30	14.1	20.5	0.0	0.0	0	0	0.0	0.0	
		15:46:00	14.1	20.5	0.0	0.0	0	0	0.0	0.0	
	28/04/2025	13:41:00	21.3	20.2	0.1	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		13:41:30	21.3	20.2	0.1	0.0	0	0	0.0	0.0	
		13:42:00	21.3	20.1	0.1	0.0	0	0	0.0	0.0	
		13:42:30	21.3	20.1	0.1	0.0	0	0	0.0	0.0	
		13:43:00	21.3	20.1	0.1	0.0	0	0	0.0	0.0	
		13:43:30	21.3	20.1	0.1	0.0	0	0	0.0	0.0	
		13:44:00	21.2	20.1	0.1	0.0	0	0	0.0	0.0	
		13:44:30	21.2	20.1	0.1	0.0	0	0	0.0	0.0	
		13:45:00	21.0	20.1	0.1	0.0	0	0	0.0	0.0	
		13:50:00	21.0	20.1	0.1	0.0	0	0	0.0	0.0	
		Sample collected								-	
		Post Sample	20.8	20.1	0.1	0.0	0	0	0.0	0.0	

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2 %	CO_2 %	CH_4 %	PID ppm	Atm. Pressure ppm	Temp. °C	Diff. Pressure Pa	Flow L/hr	Rising / falling pressure

Area B	08/04/2025	Pre-sample	20.3	0.0	0.0	0.0	1029	10.8	0	0.0	Rising
		Post-sample	20.3	0.0	0.0	0.0	1029	12.3	0	0.0	
VW25-25	29/04/2025	Pre-sample	20.4	0.1	0.0	0.0	1026	21.5	0	0.0	Steady
		Post-sample	20.5	0.0	0.0	0.0	1025	22.2	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
Area B VW25-25	08/04/2025	10:40:00	10.8	20.3	0.7	0.0	0	0	0.0	0.0	No odours observed. Installation dry at base.
		10:40:30	10.8	19.5	0.8	0.0	0	0	0.0	0.0	
		10:41:00	10.8	19.5	0.8	0.0	0	0	0.0	0.0	
		10:41:30	10.8	19.5	0.8	0.0	0	0	0.0	0.0	
		10:42:00	10.8	19.4	0.8	0.0	0	0	0.0	0.0	
		10:42:30	10.9	19.4	0.8	0.0	0	0	0.0	0.0	
		10:43:00	10.9	19.4	0.8	0.0	0	0	0.0	0.0	
		10:43:30	10.9	19.4	0.8	0.0	0	0	0.0	0.0	
		10:44:00	10.9	19.4	0.8	0.0	0	0	0.0	0.0	
		Sample collected								-	
		11:25:00	12.3	19.9	0.4	0.0	0	0	0.0	0.0	
		11:25:30	12.3	19.7	0.7	0.0	0	0	0.0	0.0	
		11:26:00	12.3	19.7	0.7	0.0	0	0	0.0	0.0	
		11:26:30	12.3	19.7	0.7	0.0	0	0	0.0	0.0	
		11:27:00	12.3	19.7	0.7	0.0	0	0	0.0	0.0	
	29/04/2025	14:06:00	21.5	18.4	1.6	0.0	0	0	0.0	0.0	No odours observed. Installation dry at base.
		14:06:30	21.6	18.3	1.6	0.0	0	0	0.0	0.0	
		14:07:00	21.6	18.3	1.6	0.0	0	0	0.0	0.0	
		14:07:30	21.8	18.2	1.6	0.0	0	0	0.0	0.0	
		14:08:00	21.8	18.2	1.7	0.0	0	0	0.0	0.0	
		14:08:30	21.8	18.1	1.8	0.0	0	0	0.0	0.0	
		14:09:00	21.8	18.1	1.8	0.0	0	0	0.0	0.0	
		14:09:30	21.8	18.1	1.8	0.0	0	0	0.0	0.0	
		14:10:00	21.9	18.1	1.8	0.0	0	0	0.0	0.0	
		14:10:30	21.9	18.1	1.8	0.0	0	0	0.0	0.0	
		14:11:00	22.0	18.1	1.8	0.0	0	0	0.0	0.0	
		Sample collected								-	
		Post sample	22.2	18.1	1.8	0.0	0	0	0.0	0.0	

Further information
Round 1 - VW25-21 was not monitored for gas/vapour due to 32cm water within the base of the well. No odours or sheens noted.
Round 2 - VW25-21 was not monitored for gas/vapour due to 26cm water within the base of the well. No odours or sheens noted.
Round 1 - VW25-22 was not monitored for gas/vapour due to 35m water within the base of the well. No odours or sheens noted.
Round 1 - VW25-25 was not monitored for gas/vapour as it was initially thought water covered the slotted installation. No odours or sheens noted.

Exploratory Hole Location	Date	Time	Ambient Conditions								
			O_2	CO_2	CH_4	PID	Atm. Pressure	Temp.	Diff. Pressure	Flow	Rising / falling pressure
			%	%	%	ppm	ppm	°C	Pa	L/hr	
Area C (Gasholder 4) VW25-07	18/03/2025	Pre-sample	20.8	0.0	0.0	0.0	1007	8.8	0	0.0	Falling
		Post-sample	20.7	0.0	0.0	0.0	1008	8.3	0	0.0	
	08/04/2025	Pre-sample	20.4	0.0	0.0	0.0	1029	6.7	0	0.0	Rising
		Post-sample	20.5	0.0	0.0	0.0	1029	7.3	0	0.0	
	29/04/2025	Pre-sample	20.5	0.0	0.0	0.0	1026	21.1	0	0.0	Steady
		Post-sample	20.5	0.0	0.0	0.0	1026	22.0	0	0.0	

Exploratory Hole Location	Date	Time	Measured Concentrations							GSV	Comments
			Temp.	O_2	CO_2	CH_4	CO	H_2S	PID		
			°C	%	%	%	ppm	ppm	ppm		
Area C (Gasholder 4) VW25-07	18/03/2025	14:04:00	8.8	20.5	0.1	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		14:04:30	8.8	20.1	0.3	0.0	0	0	0.0	0.0	
		14:05:00	8.8	20.0	0.3	0.0	0	0	0.0	0.0	
		14:05:30	8.8	20.0	0.3	0.0	0	0	0.0	0.0	
		14:06:00	8.8	20.0	0.3	0.0	0	0	0.0	0.0	
		14:06:30	8.8	20.0	0.3	0.0	0	0	0.0	0.0	
		14:07:00	8.8	20.0	0.3	0.0	0	0	0.0	0.0	
		Sample collected								-	
		14:31:00	8.3	20.4	0.3	0.0	0	0	0.0	0.0	
		14:31:30	8.3	20.1	0.3	0.0	0	0	0.0	0.0	
		14:32:00	8.3	20.0	0.3	0.0	0	0	0.0	0.0	
		14:32:30	8.3	20.0	0.3	0.0	0	0	0.0	0.0	
		14:33:00	8.3	20.0	0.3	0.0	0	0	0.0	0.0	
	08/04/2025	08:47:00	6.7	20.1	0.1	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		08:47:30	6.7	19.9	0.3	0.0	0	0	0.0	0.0	
		08:48:00	6.7	19.8	0.3	0.0	0	0	0.0	0.0	
		08:48:30	6.7	19.8	0.3	0.0	0	0	0.0	0.0	
		08:49:00	6.7	19.8	0.3	0.0	0	0	0.0	0.0	
		08:49:30	6.8	19.8	0.3	0.0	0	0	0.0	0.0	
		08:50:00	6.8	19.8	0.3	0.0	0	0	0.0	0.0	
		08:50:30	6.8	19.8	0.3	0.0	0	0	0.0	0.0	
		08:51:00	6.8	19.8	0.3	0.0	0	0	0.0	0.0	
		Sample collected								-	
		09:33:00	7.3	19.0	0.7	0.0	0	0	0.0	0.0	
		09:33:30	7.3	19.6	0.3	0.0	0	0	0.0	0.0	
		09:34:00	7.3	16.7	0.3	0.0	0	0	0.0	0.0	
		09:34:30	7.3	16.6	0.3	0.0	0	0	0.0	0.0	
		09:35:00	7.3	19.6	0.3	0.0	0	0	0.0	0.0	
		09:35:30	7.3	19.6	0.3	0.0	0	0	0.0	0.0	
	29/04/2025	13:18:00	21.0	20.3	0.4	0.0	0	0	0.0	0.0	No odours observed. Installation damp at base.
		13:18:30	21.1	20.2	0.4	0.0	0	0	0.0	0.0	
		13:19:00	21.1	20.1	0.4	0.0	0	0	0.0	0.0	
		13:19:30	21.1	20.1	0.4	0.0	0	0	0.0	0.0	
		13:20:00	21.1	20.2	0.3	0.0	0	0	0.0	0.0	
		13:20:30	21.1	20.2	0.3	0.0	0	0	0.0	0.0	
		13:21:00	21.2	20.2	0.3	0.0	0	0	0.0	0.0	
		13:21:30	21.2	20.2	0.3	0.0	0	0	0.0	0.0	
		13:22:00	21.2	20.2	0.3	0.0	0	0	0.0	0.0	
		13:22:30	21.2	20.2	0.3	0.0	0	0	0.0	0.0	
		13:23:00	21.2	20.2	0.3	0.0	0	0	0.0	0.0	
		Sample collected								-	
		Post sample	22.0	20.2	0.3	0.0	0	0	0.0	0.0	

NUMBER OF SAMPLES: 30

Analytical Parameter	Units	Limit of detection	CRITERIA 1 0	CRITERIA 2 0	No. Analyses	CRITERIA 1 Exceedances	CRITERIA 2 Exceedances	Min	Mean	Max	Max ID
Stone Content	%	0.1			30			<0.1	<13.8	61.8	VW25-23
Moisture Content	%	0.01			30			2	14.89	26	VW25-24
Total mass of sample received	kg	0.1			30			0.1	0.7	0.8	MW25-02
Asbestos in Soil Screen / Identification Name	Type										
Actinolite detected	Type	N/A			0			0	n/a	<0	n/a
Amosite detected	Type	N/A			0			0	n/a	<0	n/a
Anthophyllite detected	Type	N/A			0			0	n/a	<0	n/a
Chrysotile detected	Type	N/A			0			0	n/a	<0	n/a
Crocidolite detected	Type	N/A			0			0	n/a	<0	n/a
Tremolite detected	Type	N/A			0			0	n/a	<0	n/a
Asbestos Containing Material Types Detected (ACM)	Type	N/A			0			0	n/a	<0	n/a
Asbestos in Soil	Detect	N/A			12			0	0	<0	n/a
Asbestos Quantification Total	%	0.001			0			0	n/a	<0	n/a
Ph	pH Units	N/A			27			7.1	8.6	11.9	VW25-03
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg.kg^{-1}	2.5			27			33	165.8	470	MW25-06
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg.L^{-1}	1.25			27			16.3	83.19	234	MW25-06
Sulphide	mg.kg^{-1}	1			29			<1	<25.1	210	MW25-03-DUP
Ammonium - Exchangeable as NH_4^+	mg.kg^{-1}	0.5			29			<0.5	<4.9	82	VW25-24
Organic Matter (automated)	%	0.1			29			0.3	1.9	6.3	VW25-24
Fraction Organic Carbon (FOC) Automated	N/A	0.001			1			0.0092	0.009	0.0092	MW25-03
Total Organic Carbon (TOC) - Automated	%	0.1			4			0.5	0.8	1.5	VW25-02
Loss on Ignition @ 450°C	%	0.2			29			0.6	3.2	8	VW25-24
Cyanide (Total) (as CN)	mg.kg^{-1}	1			29			<1	<1	<1	n/a
Complexed cyanide	mg.kg^{-1}	1			29			<1	<1	<1	n/a
Easily liberatable cyanide	mg.kg^{-1}	1			29			<1	<1	<1	n/a
Thiocyanate	mg.kg^{-1}	5			29			<5	<5.7	26	VW25-24
Chloride	mg.kg^{-1}	1			29			2.6	34.6	150	MW25-02
Sulphur (Elemental)	mg.kg^{-1}	5			29			<5	<16	70	VW25-04
Catechol	mg.kg^{-1}	0.1			29			<0.1	<0.1	<0.1	n/a
Resorcinol	mg.kg^{-1}	0.1			29			<0.1	<0.1	<0.1	n/a
Cresols (Total)	mg.kg^{-1}	0.3			29			<0.3	<0.3	<0.3	n/a
Naphthols	mg.kg^{-1}	0.2			29			<0.2	<0.2	<0.2	n/a
2-Isopropylphenol	mg.kg^{-1}	0.1			29			<0.1	<0.1	<0.1	n/a
Xylenols and Ethylphenols (Total)	mg.kg^{-1}	0.4			29			<0.4	<0.4	<0.4	n/a
Trimethylphenol (2,3,5-)	mg.kg^{-1}	0.1			29			<0.1	<0.1	<0.1	n/a
Phenols (Total)	mg.kg^{-1}	1.4			29			<1.4	<1.4	<1.4	n/a
Naphthalene	mg.kg^{-1}	0.05			30			<0.05	<0.09	0.29	VW25-02
Acenaphthylene	mg.kg^{-1}	0.05			30			<0.05	<0.05	<0.05	n/a
Acenaphthene	mg.kg^{-1}	0.05			30			<0.05	<0.05	0.14	MW25-03
Fluorene	mg.kg^{-1}	0.05			30			<0.05	<0.05	0.11	MW25-03
Phenanthrene	mg.kg^{-1}	0.05			30			<0.05	<0.17	1.7	HP25-02
Anthracene	mg.kg^{-1}	0.05			30			<0.05	<0.06	0.3	HP25-02
Fluoranthene	mg.kg^{-1}	0.05			30			<0.05	<0.26	2.4	HP25-02
Pyrene	mg.kg^{-1}	0.05			30			<0.05	<0.23	1.9	HP25-02
Benzo[a]anthracene	mg.kg^{-1}	0.05			30			<0.05	<0.11	0.71	HP25-02
Chrysene	mg.kg^{-1}	0.05			30			<0.05	<0.13	0.85	HP25-02
Benzo[b]fluoranthene	mg.kg^{-1}	0.05			30			<0.05	<0.14	0.69	MW25-03
Benzo[k]fluoranthene	mg.kg^{-1}	0.05			30			<0.05	<0.07	0.32	HP25-02
Benzo[a]pyrene	mg.kg^{-1}	0.05			30			<0.05	<0.11	1	HP25-02
Indeno[1,2,3-cd]pyrene	mg.kg^{-1}	0.05			30			<0.05	<0.08	0.27	HP25-02
Dibenz(a,h)anthracene	mg.kg^{-1}	0.05			30			<0.05	<0.05	0	HP25-02
Benzo[ghi]perylene	mg.kg^{-1}	0.05			30			<0.05	<0.09	0.34	MW25-03
PAH 16 Total	mg.kg^{-1}	0.8			30			<0.8	<1.6	10.1	HP25-02
Arsenic	mg.kg^{-1}	1			29			5.8	14.8	47	VW25-02
Boron	mg.kg^{-1}	0.2			29			0.5	1.2	5	VW25-24
Cadmium	mg.kg^{-1}	0.2			29			<0.2	<0.2	1	VW25-04
Chromium (VI)	mg.kg^{-1}	1.2			29			<1.2	<1.2	<1.2	n/a
Chromium (Total)	mg.kg^{-1}	1			29			9.8	21	41	MW25-06-DUP
Copper	mg.kg^{-1}	1			29			8.4	21.6	44	MW25-06
Lead	mg.kg^{-1}	1			29			6.6	48.2	260	TP25-02
Mercury (inorganic)	mg.kg^{-1}	0.3			29			<0.3	<0.3	<0.3	n/a
Nickel	mg.kg^{-1}	1			29			6.3	19.4	38	MW25-06
Selenium	mg.kg^{-1}	1			29			<1	<1	1.2	HP25-01
Zinc	mg.kg^{-1}	1			29			32	78.1	360	VW25-04
Benzene	mg.kg^{-1}	0.005			16			<0.005	<0.006	0.013	HP25-02
Toluene	mg.kg^{-1}	0.005			16			<0.005	<0.006	0	HP25-02
Ethylbenzene	mg.kg^{-1}	0.005			16			<0.005	<0.005	<0.005	n/a
Xylene (p & m-Xylene)	mg.kg^{-1}	0.008			16			<0.008	<0.008	<0.008	n/a
Xylene (o-Xylene)	mg.kg^{-1}	0.005			16			<0.005	<0.005	<0.005	n/a
Methyl tert-butyl ether	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
TPH (C10 - C40)	mg.kg^{-1}	10			28			<10	<29.6	250	TP25-03
Aliphatic C5 - C6	mg.kg^{-1}	0.01			1			<0.01	<0.01	<0.01	n/a
Aliphatic C6 - C8	mg.kg^{-1}	0.01			1			<0.01	<0.01	<0.01	n/a
Aliphatic C8 – C10	mg.kg^{-1}	0.01			1			<0.01	<0.01	<0.01	n/a
Aliphatic C10 – C12	mg.kg^{-1}	1			1			<1	<1	<1	n/a
Aliphatic C12 – C16	mg.kg^{-1}	2			1			<2	<2	<2	n/a
Aliphatic C16 – C21	mg.kg^{-1}	8			1			<8	<8	<8	n/a
Aliphatic C21 – C35	mg.kg^{-1}	8			1			<8	<8	<8	n/a
Aliphatic C5 – C35	mg.kg^{-1}	10			1			<10	<10	<10	n/a
Aromatic C5 - C7	mg.kg^{-1}	0.01			1			<0.01	<0.01	<0.01	n/a
Aromatic C7 - C8	mg.kg^{-1}	0.01			1			<0.01	<0.01	<0.01	n/a
Aromatic C8 – C10	mg.kg^{-1}	0.02			1			<0.02	<0.02	<0.02	n/a
Aromatic C10 – C12	mg.kg^{-1}	1			1			<1	<1	<1	n/a
Aromatic C12 – C16	mg.kg^{-1}	2			1			<2	<2	<2	n/a
Aromatic C16 – C21	mg.kg^{-1}	10			1			<10	<10	<10	n/a
Aromatic C21 – C35	mg.kg^{-1}	10			1			<10	<10	<10	n/a
Aromatic C5 – C35	mg.kg^{-1}	10			1			<10	<10	<10	n/a
Coal Tar Total Residue	mg.kg^{-1}	10			1			13000	13000	13000	VW25-23
Chloromethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Chloroethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Bromomethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Vinyl chloride (Chloroethene)	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Trichlorofluoromethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
1,1-Dichloroethene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Trans 1,2 Dichloroethene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
1,1-Dichloroethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
2,2-Dichloropropane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Trichloromethane (Chloroform)	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
1,1,1-Trichloroethane (TCA)	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
1,2-Dichloroethane	mg.kg^{-1}	0.007			2			<0.007	<0.007	<0.007	n/a
1,1-Dichloropropene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Cis 1,2 Dichloroethene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Carbon tetrachloride (Tetrachloromethane)	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
1,2-Dichloropropane	mg.kg^{-1}	0.006			2			<0.006	<0.006	<0.006	n/a
Trichloroethylene	mg.kg^{-1}	0.01			2			<0.01	<0.01	<0.01	n/a
Dibromomethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Bromodichloromethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Cis-1,3-dichloropropene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Trans-1,3-dichloropropene	mg.kg^{-1}	0.01			2			<0.01	<0.01	<0.01	n/a
1,1,2 Trichloroethane	mg.kg^{-1}	0.006			2			<0.006	<0.006	<0.006	n/a
1,3-Dichloropropane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Dibromochloromethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Tetrachloroethylene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
1,2-Dibromoethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
ChloroBenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Styrene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Bromoform	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
Iso-propylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a

Sample Location	HP25-01	HP25-02	HP25-03	HP25-04	MW25-02	MW25-02	MW25-02	MW25-03	MW25-03	MW25-03	MW25-03-DUP	MW25-06	MW25-06	MW25-06	MW25-06-DUP
Depth (m bgl)	0.30	0.30	0.20	0.25	0.25	0.50	1.50	0.30	1.20	3.00	3.00	0.20	1.00	2.50	2.50
Date Sampled	13/02/2025	13/02/2025	21/02/2025	21/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	05/02/2025	05/02/2025	06/02/2025	06/02/2025
Stratum	MGR	MGR	MGR	MGR	MGR	MGR	WCM	MGR	WCM	WCM	WCM	MGR	WCM	WCM	WCM
Stone Content	<0.1	<0.1	<0.1	<0.1	46.90	<0.1	<0.1	40.40	<0.1	<0.1	<0.1	45.20	<0.1	<0.1	<0.1
Moisture Content	21.00	25.00	18.00	17.00	7.40	14.00	18.00	11.00	23.00	19.00	18.00	5.80	15.00	21.00	20.00
Total mass of sample received	0.60	0.60	0.10	0.10	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Asbestos in Soil	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	-	-	Not-detected	-	-	-	Not-detected	-	-	-
Ph	7.90	7.30			11.50	7.80	8.50	8.90	8.20	8.40	8.60	8.70	8.60	8.00	8.10
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	47.00	85.00			200.00	120.00	66.00	57.00	300.00	270.00	300.00	54.00	470.00	260.00	270.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	23.70	42.50			99.90	59.90	33.10	28.50	152.00	137.00	152.00	27.10	234.00	131.00	136.00
Sulphide	1.0	<1	<1	4.00	12.00	5.80	2.00	<1	2.90	120.00	210.00	2.60	76.00	27.00	19.00
Ammonium - Exchangeable as NH_4^+	<0.5	<0.5	<0.5	<0.5	3.10	16.00	0.90	<0.5	1.60	<0.5	<0.5	<0.5	1.40	<0.5	<0.5
Organic Matter (automated)	3.90	5.20	4.80	3.10	1.0	0.70	0.30	1.0	1.70	1.60	1.30	0.60	1.60	1.70	1.70
Fraction Organic Carbon (FOC) Automated										0.0092					
Total Organic Carbon (TOC) - Automated															
Loss on Ignition @ 450°C	5.10	7.00	6.10	4.60	2.70	2.70	1.10	2.30	4.00	1.90	1.80	0.60	1.90	3.40	3.20
Cyanide (Total) (as CN)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Complexed cyanide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Easily liberatable cyanide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thiocyanate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride	9.60	10.00	6.90	2.60	150.00	59.00	21.00	6.30	48.00	31.00	37.00	9.30	71.00	60.00	60.00
Sulphur (Elemental)	<5	<5	<5	<5	37.00	32.00	<5	<5	7.90	17.00	11.00	<5	32.00	7.90	<5
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Naphthalene	<0.05	<0.05	0.060	<0.05	<0.05	<0.05	<0.05	0.11	0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthene	<0.05	0.060	<0.05	<0.05	<0.05	<0.05	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	<0.05	0.070	<0.05	<0.05	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	0.050	1.70	0.060	0.13	<0.05	<0.05	<0.05	0.99	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	<0.05	0.30	<0.05	<0.05	<0.05	<0.05	<0.05	0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	0.070	2.40	0.13	0.57	<0.05	<0.05	<0.05	1.20	0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	0.070	1.90	0.12	0.49	<0.05	<0.05	<0.05	1.10	0.080	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]anthracene	<0.05	0.71	0.070	0.19	<0.05	<0.05	<0.05	0.50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	<0.05	0.85	0.070	0.26	<0.05	<0.05	<0.05	0.61	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	<0.05	0.63	0.14	0.28	<0.05	<0.05	<0.05	0.69	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	<0.05	0.32	<0.05	0.12	<0.05	<0.05	<0.05	0.19	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]pyrene	<0.05	0.54	0.12	0.21	<0.05	<0.05	<0.05	0.54	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[1,2,3-cd]pyrene	<0.05	0.27	0.050	0.11	<0.05	<0.05	<0.05	0.22	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(a,h)anthracene	<0.05	0.050	<0.05	<0.05	<0.05	<0.05	<0.05	0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[ghi]perylene	<0.05	0.29	0.070	0.14	<0.05	<0.05	<0.05	0.34	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PAH 16 Total	<0.8	10.10	0.89	2.49	<0.8	<0.8	<0.8	6.92	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	15.00	13.00	13.00	19.00	14.00	9.80	13.00	7.40	7.90	6.50	5.90	16.00	18.00	12.00	10.00
Boron	1.30	1.60	1.80	1.30	0.50	1.60	0.70	1.10	1.30	0.50	0.60	0.60	0.80	1.10	0.80
Cadmium	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.30	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)	20.00	20.00	22.00	22.00	22.00	24.00	12.00	18.00	34.00	14.00	14.00	9.80	21.00	38.00	41.00
Copper	19.00	16.00	30.00	28.00	23.00	12.00	11.00	24.00	22.00	17.00	16.00	44.00	22.00	25.00	24.00
Lead	16.00	38.00	130.00	110.00	54.00	16.00	6.60	210.00	13.00	9.00	9.30	10.00	12.00	15.00	16.00
Mercury (inorganic)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	18.00	16.00	18.00	20.00	17.00	18.00	16.00	12.00	34.00	18.00	20.00	6.30	25.00	38.00	38.00
Selenium	1.20	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Zinc	62.00	75.00	69.00	120.00	58.00	47.00	32.00	110.00	73.00	53.00	51.00	63.00	64.00	78.00	78.00
Benzene	<0.005	0.013	<0.005	<0.005								<0.005	<0.005	<0.005	<0.005
Toluene	<0.005	0.013	<0.005	<0.005								<0.005	<0.005	<0.005	<0.005
Ethylbenzene	<0.005	<0.005	<0.005	<0.005								<0.005	<0.005	<0.005	<0.005
Xylene (p & m-Xylene)	<0.008	<0.008	<0.008	<0.008								<0.008	<0.008	<0.008	<0.008
Xylene (o-Xylene)	<0.005	<0.005	<0.005	<0.005								<0.005	<0.005	<0.005	<0.005
TPH (C10 - C40)	<10	<10	<10	<10	<10	<10	<10	210.00	<10	<10	<10	<10	<10	21.00	<10

Sample Location	TP25-01	TP25-01	TP25-02	TP25-02	TP25-03	TP25-03	VW25-02	VW25-02	VW25-03	VW25-04	VW25-04	VW25-23	VW25-23	VW25-24	VW25-24
Depth (m bgl)	0.30	1.00	1.00	3.60	0.40	1.40	0.20	0.60	0.25	0.30	0.65	0.01	0.25	0.15	0.50
Date Sampled	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025	20/02/2025	20/02/2025	20/02/2025	20/02/2025
Stratum	MGR	WCM	MGR	WCM	MGR	WCM	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	WCM
Stone Content	55.60	<0.1	24.20	<0.1	37.70	<0.1	34.90	36.10	<0.1	<0.1	29.00	<0.1	61.80	<0.1	<0.1
Moisture Content	5.50	13.00	10.00	20.00	12.00	16.00	18.00	17.00	9.30	11.00	10.00	2.00	9.80	26.00	14.00
Total mass of sample received	0.60	0.60	0.60	0.60	0.60	0.60	0.80	0.80	0.80	0.80	0.80	0.70	0.80	0.60	0.70
Asbestos in Soil	Not-detected	-	-	-	Not-detected	-	Not-detected	-	Not-detected	-	-	-	-	Not-detected	-
Ph	8.40	8.30	8.60	8.20	9.50	8.20	7.80	7.90	11.90	8.80	8.00		11.10	7.10	7.90
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	69.00	100.00	130.00	210.00	240.00	91.00	33.00	52.00	39.00	440.00	64.00		190.00	210.00	110.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	34.60	51.20	65.80	105.00	121.00	45.60	16.30	25.90	19.30	219.00	31.80		95.70	104.00	54.30
Sulphide	3.10	<1	16.00	160.00	22.00	5.30	2.20	1.70	1.40	17.00	5.40		4.70	<1	2.30
Ammonium - Exchangeable as NH_4^+	3.80	5.10	<0.5	<0.5	8.50	2.50	<0.5	<0.5	<0.5	1.60	5.90		<0.5	82.00	<0.5
Organic Matter (automated)	1.0	0.70	0.60	1.60	1.30	0.60	5.60	2.60	0.40	0.90	0.80		0.80	6.30	1.0
Fraction Organic Carbon (FOC) Automated															
Total Organic Carbon (TOC) - Automated								1.50		0.50			0.50		0.60
Loss on Ignition @ 450°C	1.70	1.90	1.10	1.70	3.90	1.60	6.60	4.40	1.30	1.50	1.80		5.60	8.00	1.90
Cyanide (Total) (as CN)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Complexed cyanide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Easily liberatable cyanide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Thiocyanate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	26.00	<5
Chloride	13.00	38.00	17.00	13.00	37.00	75.00	3.10	2.90	42.00	39.00	35.00		41.00	37.00	30.00
Sulphur (Elemental)	19.00	<5	69.00	<5	25.00	<5	8.70	7.90	<5	19.00	70.00		19.00	13.00	10.00
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4		<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4		<1.4	<1.4	<1.4
Naphthalene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.27	0.29	0.11	0.17	0.13	<0.05	0.23	<0.05	0.060
Acenaphthylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	0.070	<0.05	0.060	<0.05	<0.05	<0.05	0.060	0.080	<0.05	0.13	<0.05	0.48	0.20	0.23	0.060
Anthracene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	0.17	<0.05	0.080	<0.05	<0.05	<0.05	0.10	0.15	<0.05	0.44	0.10	0.71	0.26	0.56	0.090
Pyrene	0.17	<0.05	0.070	<0.05	<0.05	<0.05	0.10	0.14	<0.05	0.46	<0.05	0.77	0.24	0.51	0.070
Benzo[a]anthracene	0.080	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.080	<0.05	0.28	<0.05	<0.05	0.18	0.26	<0.05
Chrysene	0.10	<0.05	0.060	<0.05	<0.05	<0.05	0.10	0.12	<0.05	0.33	0.060	<0.05	0.16	0.33	<0.05
Benzo[b]fluoranthene	0.11	<0.05	0.090	<0.05	<0.05	<0.05	0.10	<0.05	<0.05	0.41	0.080	<0.05	0.18	0.41	0.050
Benzo[k]fluoranthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.050	<0.05	<0.05	0.16	<0.05	<0.05	0.080	0.14	<0.05
Benzo[a]pyrene	0.080	<0.05	0.060	<0.05	<0.05	<0.05	0.060	0.080	<0.05	0.33	<0.05	<0.05	0.12	0.35	<0.05
Indeno[1,2,3-cd]pyrene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.060	0.090	<0.05	0.19	<0.05	<0.05	<0.05	0.17	<0.05
Dibenz(a,h)anthracene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[ghi]perylene	<0.05	<0.05	0.060	<0.05	<0.05	<0.05	0.080	0.14	<0.05	0.24	<0.05	<0.05	<0.05	0.19	<0.05
PAH 16 Total	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	0.97	1.16	<0.8	3.13	<0.8	1.95	1.65	3.15	<0.8
Arsenic	10.00	14.00	18.00	11.00	9.40	10.00	47.00	41.00	14.00	15.00	17.00		10.00	5.80	26.00
Boron	1.10	0.70	1.0	0.70	0.60	0.80	1.20	2.00	1.0	0.70	0.70		1.0	5.20	1.50
Cadmium	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.0	<0.2		0.40	0.30	<0.2
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2		<1.2	<1.2	<1.2
Chromium (Total)	13.00	23.00	17.00	13.00	24.00	20.00	18.00	22.00	17.00	34.00	17.00		26.00	12.00	21.00
Copper	17.00	16.00	22.00	18.00	32.00	16.00	21.00	31.00	24.00	37.00	13.00		25.00	14.00	8.40
Lead	21.00	14.00	260.00	9.90	17.00	11.00	33.00	28.00	9.00	210.00	20.00		27.00	24.00	48.00
Mercury (inorganic)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3
Nickel	12.00	23.00	11.00	21.00	23.00	19.00	15.00	20.00	15.00	22.00	17.00		22.00	9.90	18.00
Selenium	<1	1.10	<1	<1	<1	<1	<1	1.0	<1	<1	<1		1.20	<1	<1
Zinc	78.00	50.00	82.00	54.00	73.00	47.00	56.00	96.00	59.00	360.00	49.00		130.00	58.00	41.00
Benzene							<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
Toluene							<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
Ethylbenzene							<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
Xylene (p & m-Xylene)							<0.008	<0.008	<0.008	<0.008	<0.008		<0.008	<0.008	<0.008
Xylene (o-Xylene)							<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
Methyl tert-butyl ether								<0.005		<0.005					
TPH (C10 - C40)		<10	<10	<10	250.00	<10	<10	<10	28.00	22.00	<10		72.00	16.00	<10
Aliphatic C5 - C6	<0.01														
Aliphatic C6 - C8	<0.01														
Aliphatic C8 – C10	<0.01														
Aliphatic C10 – C12	<1														
Aliphatic C12 – C16	<2														
Aliphatic C16 – C21	<8														
Aliphatic C21 – C35	<8														
Aliphatic C5 – C35	<10														
Aromatic C5 - C7	<0.01														
Aromatic C7 - C8	<0.01														
Aromatic C8 – C10	<0.02														
Aromatic C10 – C12	<1														
Aromatic C12 – C16	<2														
Aromatic C16 – C21	<10														
Aromatic C21 – C35	<10														
Aromatic C5 – C35	<10														
Coal Tar Total Residue												13000			
Chloromethane								<0.005		<0.005					
Chloroethane								<0.005		<0.005					
Bromomethane								<0.005		<0.005					
Vinyl chloride (Chloroethene)								<0.005		<0.005					
Trichlorofluoromethane								<0.005		<0.005					
1,1-Dichloroethene								<0.005		<0.005					
1,1,2-Trichloro 1,2,2-Trifluoroethane								<0.005		<0.005					
Trans 1,2 Dichloroethene								<0.005		<0.005					
1,1-Dichloroethane								<0.005		<0.005					
2,2-Dichloropropane								<0.005		<0.005					
Trichloromethane (Chloroform)								<0.005		<0.005					
1,1,1-Trichloroethane (TCA)								<0.005		<0.005					
1,2-Dichloroethane								<0.007		<0.007					
1,1-Dichloropropene								<0.005		<0.005					
Cis 1,2 Dichloroethene								<0.005		<0.005					
Carbon tetrachloride (Tetrachloromethane)								<0.005		<0.005					
1,2-Dichloropropane								<0.006		<0.006					
Trichloroethylene								<0.01		<0.01					
Dibromomethane								<0.005		<0.005					
Bromodichloromethane								<0.005		<0.005					
Cis-1,3-dichloropropene								<0.005		<0.005					
Trans-1,3-dichloropropene								<0.01		<0.01					
1,1,2 Trichloroethane								<0.006		<0.006					
1,3-Dichloropropane								<0.005		<0.005					
Dibromochloromethane								<0.005		<0.005					
Tetrachloroethylene								<0.005		<0.005					
1,2-Dibromoethane								<0.005		<0.005					
ChloroBenzene								<0.005		<0.005					
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)								<0.005		<0.005					
Styrene								<0.005		<0.005					
Bromoform								<0.005		<0.005					
Iso-propylbenzene								<0.005		<0.005					
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)								<0.005		<0.005					

Table D: Soil Analytical Data (All Depths) - Area A

Hinckley

NUMBER OF SAMPLES:	30										Sample Location	HP25-01	HP25-02	HP25-03	HP25-04	MW25-02	MW25-02	MW25-02	MW25-03	MW25-03	MW25-03	MW25-03-DUP	MW25-06	MW25-06	MW25-06	MW25-06-DUP	TP25-01	TP25-01	TP25-02	TP25-02	TP25-03	TP25-03	VW25-02	VW25-02	VW25-03	VW25-04	VW25-04	VW25-23	VW25-23	VW25-24	VW25-24
											Depth (m bgl)	0.30	0.30	0.20	0.25	0.25	0.50	1.50	0.30	1.20	3.00	3.00	0.20	1.00	2.50	2.50	0.30	1.00	1.00	3.60	0.40	1.40	0.20	0.60	0.25	0.30	0.65	0.01	0.25	0.15	0.50
											Date Sampled	13/02/2025	13/02/2025	21/02/2025	21/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	05/02/2025	05/02/2025	06/02/2025	06/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025	20/02/2025	20/02/2025	20/02/2025	20/02/2025
											Stratum	MGR	MGR	MGR	MGR	MGR	MGR	WCM	MGR	WCM	WCM	WCM	MGR	WCM	WCM	WCM	MGR	WCM	MGR	WCM	MGR	WCM	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	WCM
			CRITERIA 1	CRITERIA 2		CRITERIA 1	CRITERIA 2																																	
Analytical Parameter	**Units**	**Limit of detection**	**0**	**0**	**No. Analyses**	**Exceedances**	**Exceedances**	**Min**	**Mean**	**Max**	Max ID																														
Bromobenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																							<0.005		<0.005						
n-Propylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																							<0.005		<0.005						
2-Chlorotoluene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																							<0.005		<0.005						
4-Chlorotoluene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																							<0.005		<0.005						
1,3,5-Trimethylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																							<0.005		<0.005						
tert-Butylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																							<0.005		<0.005						
1,2,4-Trimethylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																							<0.005		<0.005						
sec-Butylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																							<0.005		<0.005						
p-Isopropyltoluene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																							<0.005		<0.005						
Butylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																							<0.005		<0.005						
1,2-Dibromo-3-chloropropane	mg.kg^{-1}	0.008			2			<0.008	<0.008	<0.008	n/a																							<0.008		<0.008						
1,2,3-trichlorobenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																							<0.005		<0.005						

MGR = Made Ground
WCM = Wolston Clay Member

NUMBER OF SAMPLES: 191

Analytical Parameter	Units	Limit of detection	CRITERIA 1	CRITERIA 2	No. Analyses	CRITERIA 1 Exceedances	CRITERIA 2 Exceedances	Min	Mean	Max	Max ID
			0	0							
Stone Content	%	0.1			190			<0.1	<14	72.4	VW25-12
Moisture Content	%	0.01			190			<0.01	<14.24	52	VW25-21
Total mass of sample received	kg	0.1			190			0.1	0.6	0.9	VW25-11A
Asbestos in Soil	Detect	N/A			56			0	0	<0	n/a
Asbestos Quantification Total	%	0.001			17			<0.001	<0.004	0.018	MW25-27
pH	pH Units	N/A			188			4.2	8.5	11.8	MW25-22
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg.kg^{-1}	2.5			188			10	1164.8	6900	TP25-20
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg.L^{-1}	1.25			188			5.03	582.5	3460	TP25-20
Sulphide	mg.kg^{-1}	1			188			<1	<43.1	1000	MW25-25
Ammonium - Exchangeable as NH_4^+	mg.kg^{-1}	0.5			188			<0.5	<28.2	430	MW25-16A
Organic Matter	%	0.1			188			<0.1	<1.9	19	MW25-04A
Fraction Organic Carbon (FOC)	N/A	0.001			22			<0.001	<0.008	0.021	MW25-09C
Total Organic Carbon (TOC)	%	0.1			18			<0.1	<1.6	10	VW25-21
Loss on Ignition @ 450°C	%	0.2			188			<0.2	<3.3	76	MW25-04A
Cyanide (Total) (as CN)	mg.kg^{-1}	1			188			<1	<36.2	1200	MW25-14
Complexed cyanide	mg.kg^{-1}	1			188			<1	<35.8	1200	MW25-14
Easily liberatable cyanide	mg.kg^{-1}	1			188			<1	<1.3	12	TP25-20
Thiocyanate	mg.kg^{-1}	5			188			<5	<5.4	57	TP25-20
Chloride	mg.kg^{-1}	1			188			<1	<80.2	1100	TP25-20
Sulphur (Elemental)	mg.kg^{-1}	5			188			<5	<264.6	5100	TP25-20
Catechol	mg.kg^{-1}	0.1			188			<0.1	<0.1	0.39	MW25-27
Resorcinol	mg.kg^{-1}	0.1			188			<0.1	<0.1	0.56	MW25-13A
Cresols (Total)	mg.kg^{-1}	0.3			188			<0.3	<0.6	54	MW25-25
Naphthols	mg.kg^{-1}	0.2			188			<0.2	<0.3	16	MW25-25
2-Isopropylphenol	mg.kg^{-1}	0.1			188			<0.1	<0.1	<0.1	n/a
Phenol	mg.kg^{-1}	0.2			10			<0.2	<0.4	2.4	MW25-25
Xylenols and Ethylphenols (Total)	mg.kg^{-1}	0.4			188			<0.4	<1.5	170	MW25-25
Trimethylphenol (2,3,5-)	mg.kg^{-1}	0.1			188			<0.1	<0.1	<0.1	n/a
Phenols (Total)	mg.kg^{-1}	1.4			188			<1.4	<2.9	240	MW25-25
Naphthalene	mg.kg^{-1}	0.05			190			<0.05	<32.29	2400	MW25-25
Acenaphthylene	mg.kg^{-1}	0.05			190			<0.05	<7.23	760	MW25-25
Acenaphthene	mg.kg^{-1}	0.05			190			<0.05	<2.25	140	MW25-25
Fluorene	mg.kg^{-1}	0.05			190			<0.05	<6.55	650	MW25-25
Phenanthrene	mg.kg^{-1}	0.05			190			<0.05	<20.87	1900	MW25-25
Anthracene	mg.kg^{-1}	0.05			190			<0.05	<6.49	650	MW25-25
Fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<15.42	1200	MW25-25
Pyrene	mg.kg^{-1}	0.05			190			<0.05	<12.97	940	MW25-25
Benzo[a]anthracene	mg.kg^{-1}	0.05			190			<0.05	<6.17	450	MW25-25
Chrysene	mg.kg^{-1}	0.05			190			<0.05	<5.56	390	MW25-25
Benzo[b]fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<6.32	410	MW25-25
Benzo[k]fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<2.61	170	MW25-25
Benzo[a]pyrene	mg.kg^{-1}	0.05			190			<0.05	<5.9	390	MW25-25
Indeno[1,2,3-cd]pyrene	mg.kg^{-1}	0.05			190			<0.05	<2.73	150	MW25-25
Dibenz(a,h)anthracene	mg.kg^{-1}	0.05			190			<0.05	<0.59	35	MW25-25
Benzo[ghi]perylene	mg.kg^{-1}	0.05			190			<0.05	<2.92	160	MW25-25
PAH 16 Total	mg.kg^{-1}	0.8			190			<0.8	<136.7	10800	MW25-25
Arsenic	mg.kg^{-1}	1			188			1.1	15.8	130	MW25-04A
Boron	mg.kg^{-1}	0.2			188			0.3	1.9	12	TP25-18
Cadmium	mg.kg^{-1}	0.2			188			<0.2	<0.2	1.4	TP25-22
Chromium (VI)	mg.kg^{-1}	1.2			188			<1.2	<1.2	1.6	MW25-31A
Chromium (Total)	mg.kg^{-1}	1			188			1.9	25.7	690	TP25-10
Copper	mg.kg^{-1}	1			188			3.7	32.9	180	MW25-15C
Lead	mg.kg^{-1}	1			188			1.7	92.3	5400	MW25-19A
Mercury (inorganic)	mg.kg^{-1}	0.3			188			<0.3	<0.9	55	MW25-33
Nickel	mg.kg^{-1}	1			188			2.2	20.4	99	MW25-15C
Selenium	mg.kg^{-1}	1			188			<1	<1.3	24	MW25-04A
Zinc	mg.kg^{-1}	1			188			9.6	81.7	610	MW25-35
Benzene	mg.kg^{-1}	0.005			160			<0.005	<1.078	46	MW25-25
Toluene	mg.kg^{-1}	0.005			160			<0.005	<1.242	42	MW25-25
Ethylbenzene	mg.kg^{-1}	0.005			160			<0.005	<1.165	37	MW25-20
Xylene (p & m-Xylene)	mg.kg^{-1}	0.008			160			<0.008	<2.478	100	MW25-20
Xylene (o-Xylene)	mg.kg^{-1}	0.005			160			<0.005	<1.593	67	MW25-20
Methyl tert-butyl ether	mg.kg^{-1}	0.005			60			<0.005	<0.005	<0.005	n/a
TPH (C10 - C40)	mg.kg^{-1}	10			133			<10	<96.7	1,200	MW25-20
Aliphatic C5 - C6	mg.kg^{-1}	0.01			64			<0.01	<0.02	0	VW25-18
Aliphatic C6 - C8	mg.kg^{-1}	0.01			64			<0.01	<0.63	28	MW25-20
Aliphatic C8 – C10	mg.kg^{-1}	0.01			64			<0.01	<3.45	120	MW25-20
Aliphatic C10 – C12	mg.kg^{-1}	1			64			<1	<15.9	220	MW25-20
Aliphatic C12 – C16	mg.kg^{-1}	2			64			<2	<67.6	960	MW25-20
Aliphatic C16 – C21	mg.kg^{-1}	8			64			<8	<77.9	1000	VW25-18
Aliphatic C21 – C35	mg.kg^{-1}	8			64			<8	<90.2	840	TP25-10
Aliphatic C5 – C35	mg.kg^{-1}	10			64			<10	<253.9	2100	VW25-18
Aromatic C5 - C7	mg.kg^{-1}	0.01			64			<0.01	<2.39	46	MW25-25
Aromatic C7 - C8	mg.kg^{-1}	0.01			64			<0.01	<3.13	42	MW25-25
Aromatic C8 – C10	mg.kg^{-1}	0.02			64			<0.02	<14.93	250	MW25-20
Aromatic C10 – C12	mg.kg^{-1}	1			64			<1	<85	1800	MW25-25
Aromatic C12 – C16	mg.kg^{-1}	2			64			<2	<180	3500	MW25-25
Aromatic C16 – C21	mg.kg^{-1}	10			64			<10	<279.7	6000	MW25-25
Aromatic C21 – C35	mg.kg^{-1}	10			64			<10	<209.3	4200	MW25-25
Aromatic C5 – C35	mg.kg^{-1}	10			64			<10	<769.8	16000	MW25-25
Chloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Chloroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromomethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Vinyl chloride (Chloroethene)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trichlorofluoromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1-Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trans 1,2 Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1-Dichloroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
2,2-Dichloropropane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trichloromethane (Chloroform)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,1-Trichloroethane (TCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dichloroethane	mg.kg^{-1}	0.007			23			<0.007	<0.007	<0.007	n/a
1,1-Dichloropropene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Cis 1,2 Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Carbon tetrachloride (Tetrachloromethane)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dichloropropane	mg.kg^{-1}	0.006			23			<0.006	<0.006	<0.006	n/a
Trichloroethylene	mg.kg^{-1}	0.01			23			<0.01	<0.01	<0.01	n/a
Dibromomethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromodichloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Cis-1,3-dichloropropene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trans-1,3-dichloropropene	mg.kg^{-1}	0.01			23			<0.01	<0.01	<0.01	n/a
1,1,2 Trichloroethane	mg.kg^{-1}	0.006			23			<0.006	<0.006	<0.006	n/a
1,3-Dichloropropane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Dibromochloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Tetrachloroethylene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dibromoethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
ChloroBenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Styrene	mg.kg^{-1}	0.005			23			<0.005	<1.301	29	MW25-25
Bromoform	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Iso-propylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.21	1.1	VW25-18
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromobenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
n-Propylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.445	2.4	MW25-14
2-Chlorotoluene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
4-Chlorotoluene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,3,5-Trimethylbenzene	mg.kg^{-1}	0.005			23			<0.005	<1.82	7.6	MW25-16A
tert-Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2,4-Trimethylbenzene	mg.kg^{-1}	0.005			23			<0.005	<5.35	27	MW25-14
sec-Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,3-dichlorobenzene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
p-Isopropyltoluene	mg.kg^{-1}	0.005			23			<0.005	<0.17	1.3	MW25-14
1,4-dichlorobenzene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
1,2-dichlorobenzene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.055	0.79	VW25-18
1,2-Dibromo-3-chloropropane	mg.kg^{-1}	0.008			23			<0.008	<0.008	<0.008	n/a
1,2,4-trichlorobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Hexachlorobutadiene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
1,2,3-trichlorobenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Aniline	mg.kg^{-1}	0.1			10			<0.1	<0.1	0.4	VW25-18
2-chlorophenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Bis(2-chloroethyl)ether	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Bis(2-chloroisopropyl)ether	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2-Methylphenol	mg.kg^{-1}	0.3			10			<0.3	<5.8	55	MW25-25
Hexachloroethane	mg.kg^{-1}	0.05			10			<0.05	<0.05	<0.05	n/a
Nitrobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
4-Methylphenol	mg.kg^{-1}	0.2			10			<0.2	<9.3	91	MW25-25
Isophorone	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
2-Nitrophenol	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
2,4-Dimethylphenol	mg.kg^{-1}	0.3			10			<0.3	<22.3	220	MW25-25
Bis(2-chloroethoxy)methane	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
2,4-Dichlorophenol	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
4-Chloroaniline	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
4-Chloro-3-methylphenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4,6-Trichlorophenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4,5-Trichlorophenol	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
2-Methylnaphthalene	mg.kg^{-1}	0.1			10			<0.1	<74.4	620	MW25-25
2-Chloronaphthalene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Dimethylphthalate	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,6-Dinitrotoluene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4-Dinitrotoluene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Dibenzofuran	mg.kg^{-1}	0.2			10			<0.2	<57.8	550	MW25-25
4-Chlorophenyl phenyl ether	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Diethyl phthalate	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
4-Nitroaniline	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Azobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Bromophenyl phenyl ether	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Hexachlorobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Carbazole	mg.kg^{-1}	0.3			10			<0.3	<33.2	320	MW25-25
Dibutyl phthalate	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Anthraquinone	mg.kg^{-1}	0.3			10			<0.3	<2.4	14	MW25-25
Butyl benzyl phthalate	mg.kg^{-1}	0.3			10			<0.3	<0.5	1.8	MW25-14
Coal Tar		N/A			2			0	0	0	MW25-12
Coal Tar Total Residue	mg.kg^{-1}	10			2			1600	2500	3400	MW25-12
PCB Congener 28	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 52	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 101	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 118	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 138	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 153	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 180	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
Total PCBs	mg.kg^{-1}	0.007			2			<0.007	<0.007	<0.007	n/a

Sample Location	MW25-12	MW25-12	MW25-12	MW25-12	MW25-12-DUP	MW25-16A	MW25-16A	MW25-16A	MW25-16A	MW25-16A	MW25-18	MW25-18	MW25-18
Depth (m bgl)	0.05	0.30	1.00	5.25	5.25	0.30	2.00	3.80	4.65	5.30	0.25	3.45	5.00
Date Sampled	11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025	12/02/2025	12/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025	14/02/2025	14/02/2025
Stratum	MGR	MGR	MGR	WSG	WSG	MGR	MGR	WCM	WCM	WCM	MGR	WCM	WCM
Stone Content	56.70	35.40	<0.1	<0.1	<0.1	29.20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Moisture Content	1.20	9.30	16.00	17.00	21.00	14.00	15.00	12.00	12.00	12.00	7.90	15.00	11.00
Total mass of sample received	0.80	0.70	0.80	0.70	0.80	0.70	0.80	0.60	0.60	0.60	0.60	0.60	0.60
Asbestos in Soil	-	Detected	-	-	-	Not-detected	-	-	-	-	Not-detected	-	-
Asbestos Quantification Total		<0.001											
pH		8.50	7.10	7.60	7.30	7.50	8.90	8.60	8.40	8.50	8.30	8.80	8.50
Water Soluble Sulphate as SO_4 16hr extraction (2:1)		3600.00	3100.00	320.00	490.00	3400.00	620.00	98.00	100.00	110.00	10.00	180.00	99.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)		1800.00	1550.00	158.00	247.00	1680.00	310.00	48.80	50.90	57.30	5.03	92.50	49.50
Sulphide		42.00	9.60	33.00	34.00	5.30	60.00	<1	31.00	65.00	<1	8.50	41.00
Ammonium - Exchangeable as NH_4^+		<0.5	20.00	2.00	2.90	<0.5	240.00	430.00	120.00	140.00	<0.5	9.90	46.00
Organic Matter		1.20	3.00	0.30	0.30	1.0	2.20	3.60	1.30	1.0	<0.1	0.70	1.0
Fraction Organic Carbon (FOC)				0.0017					0.0077				
Loss on Ignition @ 450°C		2.70	5.00	0.40	0.50	3.60	3.00	3.70	1.80	2.00	0.40	1.0	1.0
Cyanide (Total) (as CN)		160.00	10.00	<1	<1	15.00	12.00	U/S [*U/S f]	<1	<1	<1	1.80	<1
Complexed cyanide		160.00	9.00	<1	<1	15.00	12.00	U/S	<1	<1	<1	1.80	<1
Easily liberatable cyanide		3.50	1.20	<1	<1	<1	<1	U/S [*U/S f]	<1	<1	<1	<1	<1
Thiocyanate		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride		330.00	110.00	55.00	61.00	52.00	220.00	240.00	140.00	120.00	<1	38.00	100.00
Sulphur (Elemental)		170.00	55.00	330.00	450.00	330.00	3800.00	<5	28.00	<5	<5	56.00	<5
Catechol		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols (Total)		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthols		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol							<0.2						
Xylenols and Ethylphenols (Total)		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Naphthalene	<0.05	0.39	0.21	<0.05	<0.05	<0.05	44.00	430.00	4.00	0.29	<0.05	0.090	<0.05
Acenaphthylene	0.15	0.50	<0.05	<0.05	<0.05	0.48	1.30	150.00	0.060	0.050	<0.05	<0.05	<0.05
Acenaphthene	0.20	0.11	0.50	<0.05	<0.05	<0.05	2.50	23.00	0.13	<0.05	<0.05	0.060	<0.05
Fluorene	<0.05	0.27	0.59	<0.05	<0.05	0.070	3.80	140.00	<0.05	0.080	<0.05	0.10	<0.05
Phenanthrene	1.50	2.30	5.90	<0.05	<0.05	0.64	8.30	620.00	0.14	0.34	<0.05	0.15	<0.05
Anthracene	0.29	0.90	1.70	<0.05	<0.05	0.29	3.00	150.00	<0.05	<0.05	<0.05	0.080	<0.05
Fluoranthene	2.90	3.90	8.50	<0.05	<0.05	2.10	6.10	420.00	0.090	0.18	<0.05	0.21	<0.05
Pyrene	2.90	3.40	7.50	<0.05	<0.05	2.00	4.70	330.00	0.080	0.16	<0.05	0.15	<0.05
Benzo[a]anthracene	0.89	2.00	5.00	<0.05	<0.05	1.70	2.00	140.00	<0.05	0.060	<0.05	0.050	<0.05
Chrysene	1.40	2.00	5.30	<0.05	<0.05	1.70	1.70	110.00	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	0.90	2.80	7.20	<0.05	<0.05	4.10	2.00	140.00	<0.05	0.060	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	0.26	0.97	2.60	<0.05	<0.05	1.80	0.69	46.00	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]pyrene	0.73	2.30	6.30	<0.05	<0.05	2.80	1.70	140.00	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[1,2,3-cd]pyrene	0.54	1.60	4.20	<0.05	<0.05	2.90	0.67	60.00	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(a,h)anthracene	<0.05	0.34	0.78	<0.05	<0.05	0.60	0.12	14.00	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[ghi]perylene	0.62	1.70	4.50	<0.05	<0.05	3.30	0.66	64.00	<0.05	<0.05	<0.05	<0.05	<0.05
PAH 16 Total	13.20	25.40	60.90	<0.8	<0.8	24.50	83.30	2960.00	4.49	1.23	<0.8	0.90	<0.8
Arsenic		21.00	14.00	2.10	2.40	16.00	13.00	23.00	2.70	5.40	4.10	5.60	4.80
Boron		1.50	2.70	0.60	0.60	1.20	1.10	1.0	0.60	1.20	0.60	0.80	0.80
Cadmium		<0.2	0.40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (VI)		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	U/S [*U/S f]	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)		26.00	21.00	6.80	7.90	19.00	19.00	16.00	9.00	22.00	10.00	13.00	20.00
Copper		45.00	42.00	8.20	6.50	29.00	18.00	13.00	9.40	16.00	6.50	14.00	15.00
Lead		69.00	92.00	4.40	4.80	140.00	35.00	9.30	4.20	8.80	4.50	7.50	10.00
Mercury (inorganic)		0.40	0.40	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel		27.00	20.00	9.40	10.00	16.00	20.00	19.00	7.90	22.00	5.90	13.00	19.00
Selenium		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Zinc		78.00	70.00	31.00	31.00	85.00	51.00	63.00	24.00	46.00	15.00	35.00	43.00
Benzene							1.80	2.90	0.091	0.041	<0.005	<0.005	<0.005
Toluene							0.17	11.00	0.095	0.023	<0.005	<0.005	<0.005
Ethylbenzene							2.20	2.30	<0.005	<0.005	<0.005	<0.005	<0.005
Xylene (p & m-Xylene)							2.50	26.00	<0.008	<0.008	<0.008	<0.008	<0.008
Xylene (o-Xylene)							3.60	11.00	<0.005	<0.005	<0.005	<0.005	<0.005
Methyl tert-butyl ether							<0.005	<0.005	<0.005			<0.005	
TPH (C10 - C40)		210.00	65.00	<10	<10	150.00				<10	<10		<10
Aliphatic C5 - C6							<0.01	<0.01	<0.01			<0.01	
Aliphatic C6 - C8							0.12	<0.01	<0.01			<0.01	
Aliphatic C8 – C10							1.10	0.57	<0.01			<0.01	
Aliphatic C10 – C12							5.30	2.30	<1			<1	
Aliphatic C12 – C16							17.00	13.00	<2			<2	
Aliphatic C16 – C21							<8	12.00	<8			<8	
Aliphatic C21 – C35							<8	26.00	<8			<8	
Aliphatic C5 – C35							23.00	55.00	<10			<10	
Aromatic C5 - C7							1.80	2.80	0.092			<0.01	
Aromatic C7 - C8							0.22	11.00	0.093			<0.01	
Aromatic C8 – C10							10.00	41.00	<0.02			<0.02	
Aromatic C10 – C12							34.00	580.00	<1			<1	
Aromatic C12 – C16							47.00	1000.00	<2			<2	
Aromatic C16 – C21							82.00	2600.00	<10			<10	
Aromatic C21 – C35							57.00	610.00	<10			<10	
Aromatic C5 – C35							230.00	4900.00	<10			<10	
Chloromethane							<0.005	<0.005					
Chloroethane							<0.005	<0.005					
Bromomethane							<0.005	<0.005					
Vinyl chloride (Chloroethene)							<0.005	<0.005					
Trichlorofluoromethane							<0.005	<0.005					
1,1-Dichloroethene							<0.005	<0.005					
1,1,2-Trichloro 1,2,2-Trifluoroethane							<0.005	<0.005					
Trans 1,2 Dichloroethene							<0.005	<0.005					
1,1-Dichloroethane							<0.005	<0.005					
2,2-Dichloropropane							<0.005	<0.005					
Trichloromethane (Chloroform)							<0.005	<0.005					
1,1,1-Trichloroethane (TCA)							<0.005	<0.005					
1,2-Dichloroethane							<0.007	<0.007					
1,1-Dichloropropene							<0.005	<0.005					
Cis 1,2 Dichloroethene							<0.005	<0.005					
Carbon tetrachloride (Tetrachloromethane)							<0.005	<0.005					
1,2-Dichloropropane							<0.006	<0.006					
Trichloroethylene							<0.01	<0.01					
Dibromomethane							<0.005	<0.005					
Bromodichloromethane							<0.005	<0.005					
Cis-1,3-dichloropropene							<0.005	<0.005					
Trans-1,3-dichloropropene							<0.01	<0.01					
1,1,2 Trichloroethane							<0.006	<0.006					
1,3-Dichloropropane							<0.005	<0.005					
Dibromochloromethane							<0.005	<0.005					
Tetrachloroethylene							<0.005	<0.005					
1,2-Dibromoethane							<0.005	<0.005					
ChloroBenzene							<0.005	<0.005					
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)							<0.005	<0.005					
Styrene							0.15	<0.005					
Bromoform							<0.005	<0.005					
Iso-propylbenzene							0.32	0.21					
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)							<0.005	<0.005					
Bromobenzene							<0.005	<0.005					
n-Propylbenzene							0.54	0.41					
2-Chlorotoluene							<0.005	<0.005					
4-Chlorotoluene							<0.005	<0.005					
1,3,5-Trimethylbenzene							0.52	7.60					
tert-Butylbenzene							<0.005	<0.005					
1,2,4-Trimethylbenzene							8.80	11.00					
sec-Butylbenzene							<0.005	<0.005					
1,3-dichlorobenzene							<0.2						
p-Isopropyltoluene							0.39	<0.005					
1,4-dichlorobenzene							<0.2						
1,2-dichlorobenzene							<0.1						
Butylbenzene							<0.005	<0.005					
1,2-Dibromo-3-chloropropane							<0.008	<0.008					
1,2,4-trichlorobenzene							<0.3						
Hexachlorobutadiene							<0.1						
1,2,3-trichlorobenzene							<0.005	<0.005					
Aniline							<0.1						
2-chlorophenol							<0.1						
Bis(2-chloroethyl)ether							<0.2						
Bis(2-chloroisopropyl)ether							<0.1						
2-Methylphenol							<0.3						
Hexachloroethane							<0.05						
Nitrobenzene							<0.3						
4-Methylphenol							<0.2						
Isophorone							<0.2						
2-Nitrophenol							<0.3						
2,4-Dimethylphenol							<0.3						
Bis(2-chloroethoxy)methane							<0.3						
2,4-Dichlorophenol							<0.3						
4-Chloroaniline							<0.1						
4-Chloro-3-methylphenol							<0.1						
2,4,6-Trichlorophenol							<0.1						
2,4,5-Trichlorophenol							<0.2						
2-Methylnaphthalene							3.40						
2-Chloronaphthalene							<0.1						
Dimethylphthalate							<0.1						
2,6-Dinitrotoluene							<0.1						
2,4-Dinitrotoluene							<0.2						
Dibenzofuran							2.60						
4-Chlorophenyl phenyl ether							<0.3						
Diethyl phthalate							<0.2						
4-Nitroaniline							<0.2						
Azobenzene							<0.3						
Bromophenyl phenyl ether							<0.2						
Hexachlorobenzene							<0.3						
Carbazole							2.90						
Dibutyl phthalate							<0.2						
Anthraquinone							<0.3						
Butyl benzyl phthalate							0.40						
Coal Tar	0												
Coal Tar Total Residue	3400.00												

Sample Location	MW25-20	MW25-20	MW25-20	MW25-20-DUP	MW25-21	MW25-21	MW25-21	MW25-21-DUP	MW25-27	MW25-27	MW25-27	MW25-27	MW25-27-DUP
Depth (m bgl)	1.00	5.40	9.90	9.90	0.30	2.00	5.20	5.20	0.50	3.30	7.60	9.30	9.30
Date Sampled	17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025	19/02/2025	19/02/2025	20/02/2025	20/02/2025	20/02/2025
Stratum	MGR	WSG	WCM	WCM	MGR	WSG	WSG	WSG	MGR	WCM	WSG	WSG	WSG
Stone Content	32.40	<0.1	<0.1	<0.1	6.10	<0.1	<0.1	<0.1	22.90	19.70	<0.1	<0.1	<0.1
Moisture Content	12.00	17.00	19.00	18.00	12.00	11.00	20.00	19.00	12.00	16.00	20.00	17.00	18.00
Total mass of sample received	0.50	0.60	0.50	0.60	0.50	0.60	0.50	0.50	0.50	0.60	0.70	0.80	0.70
Asbestos in Soil	Not-detected	-	-	-	Not-detected	-	-	-	Detected	-	-	-	-
Asbestos Quantification Total									0.018				
pH	9.20	8.30	8.70	8.80	10.00	8.90	9.40	8.60	7.30	8.60	7.70	8.60	8.50
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	850.00	320.00	69.00	73.00	94.00	24.00	22.00	21.00	4400.00	330.00	210.00	79.00	100.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	426.00	161.00	34.20	36.50	47.10	12.00	11.10	10.60	2210.00	164.00	104.00	39.70	50.00
Sulphide	14.00	130.00	140.00	150.00	<1	<1	2.20	3.00	4.00	76.00	17.00	57.00	50.00
Ammonium - Exchangeable as NH_4^+	<0.5	36.00	270.00	130.00	<0.5	<0.5	<0.5	<0.5	<0.5	320.00	24.00	81.00	85.00
Organic Matter	2.90	1.40	1.30	1.40	0.40	<0.1	<0.1	<0.1	1.60	0.40	5.80	0.30	<0.1
Fraction Organic Carbon (FOC)			0.0073				<0.001					0.0019	
Loss on Ignition @ 450°C	6.30	1.60	1.60	1.70	1.60	0.60	<0.2	<0.2	4.10	1.10	19.00	0.80	0.70
Cyanide (Total) (as CN)	1.40	<1	<1	<1	<1	<1	<1	<1	8.10	<1	<1	<1	<1
Complexed cyanide	1.40	<1	<1	<1	<1	<1	<1	<1	8.10	<1	<1	<1	<1
Easily liberatable cyanide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thiocyanate	<5	<5	<5	<5	<5	6.80	<5	<5	<5	<5	<5	<5	<5
Chloride	41.00	89.00	59.00	58.00	57.00	92.00	8.00	7.90	64.00	130.00	19.00	39.00	36.00
Sulphur (Elemental)	18.00	370.00	11.00	12.00	8.10	7.50	<5	<5	<5	290.00	100.00	150.00	180.00
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.39	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	2.30	<0.3	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	5.00	3.70	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	7.30	4.10	<1.4	<1.4
Naphthalene	2.80	650.00	3.20	0.17	<0.05	0.22	<0.05	<0.05	0.33	98.00	380.00	3.50	1.80
Acenaphthylene	0.32	76.00	0.070	<0.05	<0.05	0.060	<0.05	<0.05	1.30	11.00	0.47	<0.05	<0.05
Acenaphthene	0.060	22.00	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.10	7.00	3.30	0.17	0.060
Fluorene	0.12	44.00	<0.05	<0.05	<0.05	0.080	<0.05	<0.05	0.25	6.90	0.54	<0.05	<0.05
Phenanthrene	1.90	66.00	<0.05	<0.05	0.12	0.20	<0.05	<0.05	3.00	17.00	2.20	0.10	<0.05
Anthracene	0.41	15.00	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.10	3.20	0.54	<0.05	<0.05
Fluoranthene	2.80	31.00	<0.05	<0.05	0.18	0.070	<0.05	<0.05	8.70	15.00	1.20	<0.05	<0.05
Pyrene	2.40	23.00	<0.05	<0.05	0.16	0.070	<0.05	<0.05	8.30	11.00	1.10	<0.05	<0.05
Benzo[a]anthracene	1.60	9.20	<0.05	<0.05	0.10	<0.05	<0.05	<0.05	5.70	3.00	0.53	<0.05	<0.05
Chrysene	1.70	9.00	<0.05	<0.05	0.10	<0.05	<0.05	<0.05	5.30	2.30	0.57	<0.05	<0.05
Benzo[b]fluoranthene	2.00	8.40	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	11.00	1.80	0.44	<0.05	<0.05
Benzo[k]fluoranthene	0.91	3.70	<0.05	<0.05	0.060	<0.05	<0.05	<0.05	3.50	0.69	0.19	<0.05	<0.05
Benzo[a]pyrene	1.40	6.00	<0.05	<0.05	0.12	<0.05	<0.05	<0.05	7.60	1.40	0.32	<0.05	<0.05
Indeno[1,2,3-cd]pyrene	0.89	3.40	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	5.40	0.59	0.14	<0.05	<0.05
Dibenz(a,h)anthracene	0.17	1.40	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.94	<0.05	<0.05	<0.05	<0.05
Benzo[ghi]perylene	0.99	2.90	<0.05	<0.05	0.070	<0.05	<0.05	<0.05	5.70	0.64	0.20	<0.05	<0.05
PAH 16 Total	20.50	968.00	3.22	<0.8	1.02	<0.8	<0.8	<0.8	68.00	179.00	395.00	3.73	1.84
Arsenic	14.00	3.20	11.00	11.00	8.90	3.30	1.20	1.10	49.00	7.10	2.90	2.80	2.70
Boron	1.80	0.70	1.0	1.10	0.80	0.80	0.40	0.40	2.50	1.10	3.30	0.70	0.60
Cadmium	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.90	<0.2	<0.2
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)	14.00	8.10	14.00	16.00	23.00	9.80	2.10	1.90	26.00	17.00	10.00	8.50	8.50
Copper	30.00	14.00	23.00	19.00	15.00	9.80	4.50	3.70	46.00	18.00	24.00	8.60	38.00
Lead	140.00	5.80	8.70	9.20	13.00	6.60	1.80	1.70	200.00	11.00	14.00	5.60	4.90
Mercury (inorganic)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.70	<0.3	<0.3	<0.3	<0.3
Nickel	15.00	7.50	16.00	16.00	15.00	8.70	2.30	2.20	28.00	18.00	11.00	8.90	9.00
Selenium	<1	<1	<1	<1	<1	<1	<1	<1	1.10	<1	4.60	<1	<1
Zinc	47.00	26.00	45.00	51.00	67.00	31.00	9.80	9.60	210.00	54.00	35.00	26.00	36.00
Benzene	<0.005	5.40	3.50	9.10	<0.005	<0.005	<0.005	<0.005	<0.005	0.60	6.30	0.026	0.19
Toluene	<0.005	26.00	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.66	0.41	<0.005	<0.005
Ethylbenzene	<0.005	37.00	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2.20	9.20	0.065	0.094
Xylene (p & m-Xylene)	<0.008	100.00	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	10.00	8.50	0.033	0.045
Xylene (o-Xylene)	<0.005	67.00	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	4.80	8.20	0.051	0.089
Methyl tert-butyl ether	<0.005	<0.005								<0.005	<0.005		
TPH (C10 - C40)	1200.00		<10	<10	<10	<10	<10	<10	150.00			12.00	<10
Aliphatic C5 - C6	<0.01	0.28								0.027	<0.01		
Aliphatic C6 - C8	<0.01	28.00								0.67	<0.01		
Aliphatic C8 – C10	<0.01	120.00								22.00	0.19		
Aliphatic C10 – C12	9.80	220.00								20.00	<1		
Aliphatic C12 – C16	220.00	960.00								51.00	14.00		
Aliphatic C16 – C21	460.00	310.00								8.70	8.60		
Aliphatic C21 – C35	250.00	56.00								48.00	<8		
Aliphatic C5 – C35	940.00	1700.00								150.00	22.00		
Aromatic C5 - C7	<0.01	5.40								0.60	6.20		
Aromatic C7 - C8	<0.01	27.00								0.77	0.51		
Aromatic C8 – C10	<0.02	250.00								23.00	29.00		
Aromatic C10 – C12	2.50	770.00								120.00	33.00		
Aromatic C12 – C16	24.00	1000.00								120.00	6.90		
Aromatic C16 – C21	95.00	400.00								89.00	<10		
Aromatic C21 – C35	93.00	150.00								56.00	<10		
Aromatic C5 – C35	220.00	2600.00								400.00	75.00		
Chloromethane										<0.005			
Chloroethane										<0.005			
Bromomethane										<0.005			
Vinyl chloride (Chloroethene)										<0.005			
Trichlorofluoromethane										<0.005			
1,1-Dichloroethene										<0.005			
1,1,2-Trichloro 1,2,2-Trifluoroethane										<0.005			
Trans 1,2 Dichloroethene										<0.005			
1,1-Dichloroethane										<0.005			
2,2-Dichloropropane										<0.005			
Trichloromethane (Chloroform)										<0.005			
1,1,1-Trichloroethane (TCA)										<0.005			
1,2-Dichloroethane										<0.007			
1,1-Dichloropropene										<0.005			
Cis 1,2 Dichloroethene										<0.005			
Carbon tetrachloride (Tetrachloromethane)										<0.005			
1,2-Dichloropropane										<0.006			
Trichloroethylene										<0.01			
Dibromomethane										<0.005			
Bromodichloromethane										<0.005			
Cis-1,3-dichloropropene										<0.005			
Trans-1,3-dichloropropene										<0.01			
1,1,2 Trichloroethane										<0.006			
1,3-Dichloropropane										<0.005			
Dibromochloromethane										<0.005			
Tetrachloroethylene										<0.005			
1,2-Dibromoethane										<0.005			
ChloroBenzene										<0.005			
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)										<0.005			
Styrene										<0.005			
Bromoform										<0.005			
Iso-propylbenzene										0.25			
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)										<0.005			
Bromobenzene										<0.005			
n-Propylbenzene										0.62			
2-Chlorotoluene										<0.005			
4-Chlorotoluene										<0.005			
1,3,5-Trimethylbenzene										6.40			
tert-Butylbenzene										<0.005			
1,2,4-Trimethylbenzene										11.00			
sec-Butylbenzene										<0.005			
p-Isopropyltoluene										0.44			
Butylbenzene										0.36			
1,2-Dibromo-3-chloropropane										<0.008			
1,2,3-trichlorobenzene										<0.005			

Sample Location	MW25-31A	MW25-31A	MW25-31A	MW25-34	MW25-34	MW25-34	MW25-34	MW25-36	MW25-36	MW25-36	MW25-36-DUP	TP25-18	TP25-18
Depth (m bgl)	0.15	1.30	2.00	0.40	1.30	5.40	8.10	0.20	2.90	4.60	4.60	1.20	2.50
Date Sampled	21/02/2025	21/02/2025	21/02/2025	25/02/2025	25/02/2025	26/02/2025	26/02/2025	26/02/2025	26/02/2025	26/02/2025	26/02/2025	11/02/2025	11/02/2025
Stratum	MGR	MGR	WCM	MGR	MGR	WSG	WSG	MGR	MGR	WCM	WCM	MGR	MGR
Stone Content	<0.1	20.80	<0.1	38.00	40.30	<0.1	<0.1	52.20	52.50	<0.1	<0.1	<0.1	<0.1
Moisture Content	6.70	21.00	14.00	5.70	10.00	15.00	14.00	14.00	16.00	19.00	20.00	14.00	15.00
Total mass of sample received	0.70	0.70	0.70	0.60	0.50	0.50	0.60	0.50	0.50	0.50	0.60	0.70	0.80
Asbestos in Soil	Not-detected	-	-	-	Not-detected	-	-	Not-detected	-	-	-	-	-
pH	8.80	9.40	8.30	8.70	10.30	8.80	8.10	7.50	7.80	7.90	8.20	10.30	7.40
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	140.00	580.00	250.00	280.00	1000.00	250.00	100.00	1900.00	650.00	220.00	180.00	2800.00	420.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	68.90	291.00	127.00	138.00	517.00	124.00	52.00	966.00	324.00	110.00	90.20	1420.00	210.00
Sulphide	1.60	39.00	12.00	<1	1.0	59.00	14.00	1.30	110.00	8.60	10.00	4.60	29.00
Ammonium - Exchangeable as NH_4^+	<0.5	<0.5	<0.5	<0.5	<0.5	2.30	12.00	<0.5	6.70	4.20	4.40	<0.5	12.00
Organic Matter	0.30	0.30	0.60	0.20	0.30	0.50	0.60	3.50	3.40	1.70	1.40	1.20	2.60
Fraction Organic Carbon (FOC)			0.0035										
Total Organic Carbon (TOC)									2.00				
Loss on Ignition @ 450°C	0.70	1.10	2.00	0.90	1.40	<0.2	0.60	5.80	5.50	1.70	1.40	2.10	2.70
Cyanide (Total) (as CN)	5.30	6.90	<1	2.40	5.80	<1	1.50	<1	64.00	<1	<1	<1	4.80
Complexed cyanide	5.30	6.90	<1	<1	5.80	<1	1.50	<1	61.00	<1	<1	<1	4.80
Easily liberatable cyanide	<1	<1	<1	2.20	<1	<1	<1	<1	3.00	<1	<1	<1	<1
Thiocyanate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride	4.60	24.00	19.00	81.00	37.00	36.00	21.00	8.70	66.00	54.00	53.00	24.00	36.00
Sulphur (Elemental)	12.00	60.00	11.00	<5	16.00	160.00	340.00	24.00	380.00	10.00	12.00	14.00	820.00
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Naphthalene	0.28	0.49	0.39	37.00	1.50	<0.05	22.00	0.16	5.10	<0.05	<0.05	0.41	33.00
Acenaphthylene	0.11	<0.05	0.080	0.81	0.38	<0.05	7.40	<0.05	0.44	<0.05	<0.05	0.17	21.00
Acenaphthene	<0.05	0.10	0.060	0.28	0.16	<0.05	0.82	<0.05	0.25	<0.05	<0.05	0.070	83.00
Fluorene	<0.05	0.060	0.070	0.33	0.29	<0.05	8.80	<0.05	0.52	<0.05	<0.05	0.080	62.00
Phenanthrene	0.24	0.53	0.28	0.34	2.00	<0.05	10.00	0.070	1.80	<0.05	<0.05	2.00	160.00
Anthracene	0.060	0.15	0.060	<0.05	0.57	<0.05	3.50	<0.05	0.91	<0.05	<0.05	0.38	45.00
Fluoranthene	0.43	0.63	0.12	0.37	2.80	<0.05	2.10	0.070	3.50	<0.05	<0.05	3.50	38.00
Pyrene	0.40	0.49	0.15	0.35	2.30	<0.05	3.40	<0.05	3.40	<0.05	<0.05	3.00	56.00
Benzo[a]anthracene	0.35	0.28	0.060	0.26	1.0	<0.05	1.0	<0.05	1.40	<0.05	<0.05	1.50	15.00
Chrysene	0.34	0.33	0.090	0.25	1.0	<0.05	1.10	0.050	1.90	<0.05	<0.05	2.00	14.00
Benzo[b]fluoranthene	0.53	0.32	<0.05	0.31	1.10	<0.05	0.47	<0.05	1.30	<0.05	<0.05	1.60	6.60
Benzo[k]fluoranthene	0.22	0.18	<0.05	0.15	0.47	<0.05	0.14	<0.05	0.47	<0.05	<0.05	0.69	2.70
Benzo[a]pyrene	0.47	0.33	<0.05	0.23	0.86	<0.05	0.49	<0.05	0.85	<0.05	<0.05	1.10	8.00
Indeno[1,2,3-cd]pyrene	0.28	0.18	<0.05	0.17	0.40	<0.05	0.15	<0.05	0.40	<0.05	<0.05	0.58	2.20
Dibenz(a,h)anthracene	0.070	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	0.16	0.67
Benzo[ghi]perylene	0.34	0.21	<0.05	0.17	0.45	<0.05	0.17	<0.05	0.48	<0.05	<0.05	0.67	2.50
PAH 16 Total	4.14	4.30	1.38	40.80	15.20	<0.8	61.90	<0.8	22.70	<0.8	<0.8	17.80	551.00
Arsenic	12.00	12.00	14.00	10.00	8.90	4.40	2.20	14.00	22.00	8.80	8.10	84.00	7.60
Boron	0.70	1.50	1.70	1.0	1.20	0.50	0.50	3.20	1.10	1.10	0.70	12.00	1.20
Cadmium	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.40	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (VI)	<1.2	1.60	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)	14.00	31.00	28.00	12.00	11.00	5.70	8.70	34.00	40.00	24.00	21.00	49.00	16.00
Copper	23.00	62.00	44.00	25.00	49.00	9.10	6.40	45.00	66.00	28.00	24.00	69.00	18.00
Lead	28.00	160.00	15.00	16.00	9.80	6.00	6.30	29.00	32.00	15.00	14.00	89.00	45.00
Mercury (inorganic)	<0.3	<0.3	<0.3	<0.3	0.40	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.30	<0.3
Nickel	13.00	21.00	26.00	11.00	16.00	6.50	9.60	28.00	68.00	28.00	24.00	54.00	15.00
Selenium	<1	<1	1.0	<1	<1	<1	<1	<1	1.70	<1	<1	<1	<1
Zinc	68.00	110.00	62.00	52.00	43.00	25.00	28.00	110.00	110.00	61.00	58.00	120.00	47.00
Benzene	<0.005	0.0080	<0.005	<0.005	<0.005	<0.005	0.25	<0.005	0.012	<0.005	<0.005	<0.005	<0.005
Toluene	<0.005	0.0080	<0.005	<0.005	<0.005	<0.005	3.50	<0.005	0.010	<0.005	<0.005	<0.005	0.066
Ethylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	3.40	<0.005	<0.005	<0.005	<0.005	<0.005	0.19
Xylene (p & m-Xylene)	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	3.20	<0.008	0.012	<0.008	<0.008	<0.008	0.19
Xylene (o-Xylene)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	1.70	<0.005	0.0080	<0.005	<0.005	<0.005	0.27
Methyl tert-butyl ether		<0.005			<0.005	<0.005	<0.005		<0.005				
TPH (C10 - C40)	20.00		<10	61.00				18.00		<10	<10		
Aliphatic C5 - C6		<0.01			<0.01	<0.01	<0.01		<0.01			<0.01	<0.01
Aliphatic C6 - C8		<0.01			<0.01	<0.01	<0.01		<0.01			<0.01	<0.01
Aliphatic C8 – C10		<0.01			<0.01	<0.01	<0.01		0.29			<0.01	0.16
Aliphatic C10 – C12		<1			<1	<1	<1		35.00			<1	4.80
Aliphatic C12 – C16		3.40			<2	<2	6.60		60.00			<2	65.00
Aliphatic C16 – C21		11.00			<8	<8	<8		74.00			<8	60.00
Aliphatic C21 – C35		38.00			<8	<8	<8		210.00			<8	74.00
Aliphatic C5 – C35		52.00			<10	<10	<10		380.00			<10	200.00
Aromatic C5 - C7		<0.01			<0.01	<0.01	0.26		0.013			<0.01	<0.01
Aromatic C7 - C8		<0.01			<0.01	<0.01	3.50		0.014			<0.01	0.068
Aromatic C8 – C10		<0.02			<0.02	<0.02	9.90		0.097			<0.02	1.0
Aromatic C10 – C12		<1			<1	<1	21.00		7.30			<1	47.00
Aromatic C12 – C16		<2			2.80	<2	100.00		15.00			<2	850.00
Aromatic C16 – C21		<10			<10	<10	58.00		36.00			<10	840.00
Aromatic C21 – C35		11.0			<10	<10	27.00		110.00			<10	280.00
Aromatic C5 – C35		11.00			<10	<10	220.00		170.00			<10	2000.00
Chloromethane									<0.005				
Chloroethane									<0.005				
Bromomethane									<0.005				
Vinyl chloride (Chloroethene)									<0.005				
Trichlorofluoromethane									<0.005				
1,1-Dichloroethene									<0.005				
1,1,2-Trichloro 1,2,2-Trifluoroethane									<0.005				
Trans 1,2 Dichloroethene									<0.005				
1,1-Dichloroethane									<0.005				
2,2-Dichloropropane									<0.005				
Trichloromethane (Chloroform)									<0.005				
1,1,1-Trichloroethane (TCA)									<0.005				
1,2-Dichloroethane									<0.007				
1,1-Dichloropropene									<0.005				
Cis 1,2 Dichloroethene									<0.005				
Carbon tetrachloride (Tetrachloromethane)									<0.005				
1,2-Dichloropropane									<0.006				
Trichloroethylene									<0.01				
Dibromomethane									<0.005				
Bromodichloromethane									<0.005				
Cis-1,3-dichloropropene									<0.005				
Trans-1,3-dichloropropene									<0.01				
1,1,2 Trichloroethane									<0.006				
1,3-Dichloropropane									<0.005				
Dibromochloromethane									<0.005				
Tetrachloroethylene									<0.005				
1,2-Dibromoethane									<0.005				
ChloroBenzene									<0.005				
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)									<0.005				
Styrene									<0.005				
Bromoform									<0.005				
Iso-propylbenzene									<0.005				
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)									<0.005				
Bromobenzene									<0.005				
n-Propylbenzene									<0.005				
2-Chlorotoluene									<0.005				
4-Chlorotoluene									<0.005				
1,3,5-Trimethylbenzene									<0.005				
tert-Butylbenzene									<0.005				
1,2,4-Trimethylbenzene									0.028				
sec-Butylbenzene									<0.005				
p-Isopropyltoluene									<0.005				
Butylbenzene									<0.005				
1,2-Dibromo-3-chloropropane									<0.008				
1,2,3-trichlorobenzene									<0.005				

Sample Location	MW25-14	MW25-14	MW25-14	MW25-14-DUP	TP25-20	TP25-20	MW25-11	MW25-11	MW25-11	MW25-11-DUP	TP25-21	TP25-21	VW25-01
Depth (m bgl)	0.60	1.95	2.70	2.70	1.00	1.80	0.20	3.15	6.50	6.50	0.40	1.65	0.80
Date Sampled	11/02/2025	11/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025	12/02/2025	12/02/2025	06/02/2025
Stratum	MGR	MGR	WCM	WCM	MGR	MGR	MGR	WCM	WSG	WSG	MGR	MGR	MGR
Stone Content	25.60	<0.1	<0.1	<0.1	25.50	18.60	<0.1	<0.1	<0.1	<0.1	47.30	68.20	<0.1
Moisture Content	15.00	22.00	14.00	13.00	15.00	21.00	15.00	16.00	19.00	21.00	5.40	17.00	17.00
Total mass of sample received	0.70	0.80	0.80	0.70	0.70	0.80	0.60	0.60	0.60	0.60	0.80	0.70	0.60
Asbestos in Soil	-	-	-	-	Detected	-	Detected	-	-	-	-	-	-
Asbestos Quantification Total					0.012		<0.001						
pH	8.60	8.30	8.30	8.10	11.40	8.40	7.80	7.40	8.60	8.00	9.40	7.80	8.10
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	3400.00	5600.00	680.00	590.00	3100.00	6900.00	3900.00	610.00	64.00	57.00	1500.00	3500.00	3300.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	1700.00	2780.00	342.00	293.00	1530.00	3460.00	1940.00	305.00	31.80	28.50	750.00	1770.00	1660.00
Sulphide	3.70	340.00	1.20	2.40	2.50	300.00	31.00	6.30	11.00	11.00	12.00	35.00	5.10
Ammonium - Exchangeable as NH_4^+	0.50	130.00	130.00	97.00	<0.5	200.00	0.80	1.80	<0.5	<0.5	<0.5	2.20	0.70
Organic Matter	0.80	6.00	0.60	0.60	1.60	9.10	2.50	3.50	0.40	0.30	1.50	1.40	2.50
Fraction Organic Carbon (FOC)								0.020					
Loss on Ignition @ 450°C	2.60	6.40	3.00	2.60	3.60	13.00	3.30	3.70	0.50	0.40	2.10	4.30	5.30
Cyanide (Total) (as CN)	23.00	1200.00	1.60	2.20	56.00	580.00	140.00	1.70	<1	<1	3.80	480.00	260.00
Complexed cyanide	23.00	1200.00	1.60	2.20	54.00	570.00	140.00	1.70	<1	<1	3.80	480.00	250.00
Easily liberatable cyanide	<1	11.00	<1	<1	1.90	12.00	<1	<1	<1	<1	<1	5.00	4.50
Thiocyanate	<5	26.00	<5	<5	<5	57.00	<5	<5	<5	<5	<5	6.60	8.90
Chloride	43.00	550.00	43.00	38.00	21.00	1100.00	36.00	35.00	6.90	6.80	41.00	84.00	29.00
Sulphur (Elemental)	26.00	4900.00	<5	<5	<5	5100.00	460.00	7.80	7.80	<5	360.00	280.00	49.00
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol		<0.2				<0.2							<0.2
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Naphthalene	0.56	160.00	<0.05	<0.05	0.92	440.00	0.84	0.080	0.050	<0.05	7.20	<0.05	0.31
Acenaphthylene	0.51	3.60	<0.05	<0.05	1.20	4.10	0.52	<0.05	<0.05	<0.05	<0.05	0.28	0.67
Acenaphthene	0.12	4.70	<0.05	<0.05	0.10	4.90	0.57	<0.05	<0.05	<0.05	0.19	<0.05	0.13
Fluorene	0.15	8.90	<0.05	<0.05	0.17	9.10	0.75	<0.05	<0.05	<0.05	0.26	0.16	0.33
Phenanthrene	1.50	29.00	<0.05	<0.05	1.20	36.00	7.70	<0.05	<0.05	<0.05	1.10	1.40	4.90
Anthracene	0.40	10.00	<0.05	<0.05	0.50	11.00	2.60	<0.05	<0.05	<0.05	0.35	0.43	1.30
Fluoranthene	3.40	28.00	<0.05	<0.05	2.90	38.00	17.00	<0.05	<0.05	<0.05	1.20	2.60	9.20
Pyrene	2.90	24.00	<0.05	<0.05	2.60	31.00	15.00	<0.05	<0.05	<0.05	1.10	2.30	7.70
Benzo[a]anthracene	1.50	8.60	<0.05	<0.05	1.40	12.00	7.30	<0.05	<0.05	<0.05	0.44	1.10	4.50
Chrysene	1.60	8.50	<0.05	<0.05	1.40	13.00	7.30	<0.05	<0.05	<0.05	0.52	1.20	4.10
Benzo[b]fluoranthene	2.20	8.90	<0.05	<0.05	2.80	15.00	8.70	<0.05	<0.05	<0.05	0.82	1.50	5.80
Benzo[k]fluoranthene	1.20	4.60	<0.05	<0.05	0.84	5.40	4.50	<0.05	<0.05	<0.05	0.28	0.75	1.90
Benzo[a]pyrene	1.70	7.00	<0.05	<0.05	2.10	11.00	8.20	<0.05	<0.05	<0.05	0.70	1.20	4.40
Indeno[1,2,3-cd]pyrene	1.50	4.90	<0.05	<0.05	2.60	6.60	4.20	<0.05	<0.05	<0.05	0.81	0.84	2.20
Dibenz(a,h)anthracene	0.30	0.87	<0.05	<0.05	0.47	<0.05	0.75	<0.05	<0.05	<0.05	0.17	0.18	0.44
Benzo[ghi]perylene	1.70	5.50	<0.05	<0.05	3.10	7.50	4.50	<0.05	<0.05	<0.05	1.10	0.85	2.30
PAH 16 Total	21.20	314.00	<0.8	<0.8	24.20	642.00	90.00	<0.8	<0.8	<0.8	16.20	14.70	50.20
Arsenic	47.00	36.00	9.40	10.00	75.00	23.00	24.00	4.50	9.00	7.50	7.50	22.00	59.00
Boron	3.40	3.80	0.70	1.30	2.10	4.40	2.20	0.70	0.40	0.40	0.70	4.70	1.50
Cadmium	<0.2	<0.2	0.20	0.20	<0.2	<0.2	<0.2	0.50	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)	23.00	51.00	29.00	27.00	28.00	69.00	44.00	14.00	7.40	7.10	86.00	64.00	36.00
Copper	41.00	65.00	21.00	20.00	49.00	74.00	51.00	22.00	10.00	9.40	49.00	73.00	72.00
Lead	140.00	580.00	11.00	12.00	260.00	610.00	130.00	8.60	7.00	6.00	23.00	77.00	290.00
Mercury (inorganic)	1.30	5.20	<0.3	<0.3	3.50	23.00	0.40	<0.3	<0.3	<0.3	<0.3	1.20	7.00
Nickel	16.00	29.00	28.00	27.00	26.00	24.00	33.00	22.00	9.40	9.00	53.00	34.00	29.00
Selenium	<1	<1	<1	<1	1.40	1.20	<1	<1	<1	<1	<1	<1	1.80
Zinc	320.00	96.00	59.00	55.00	230.00	130.00	97.00	46.00	41.00	37.00	87.00	110.00	240.00
Benzene		0.89				0.13	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005
Toluene		1.10				0.92	<0.005	<0.005	<0.005	<0.005		<0.005	0.024
Ethylbenzene		5.30				5.70	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005
Xylene (p & m-Xylene)		16.00				22.00	<0.008	<0.008	<0.008	<0.008		<0.008	<0.008
Xylene (o-Xylene)		6.50				11.00	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005
Methyl tert-butyl ether		<0.005				<0.005							<0.005
TPH (C10 - C40)	71.00		<10	<10	170.00		200.00	400.00	13.00	<10	150.00		190.00
Aliphatic C5 - C6		<0.01				<0.01						<0.01	<0.01
Aliphatic C6 - C8		0.66				0.33						<0.01	<0.01
Aliphatic C8 – C10		2.80				3.70						<0.01	<0.01
Aliphatic C10 – C12		100.00				150.00						2.20	<1
Aliphatic C12 – C16		140.00				210.00						6.10	4.50
Aliphatic C16 – C21		230.00				220.00						49.00	27.00
Aliphatic C21 – C35		460.00				480.00						88.00	63.00
Aliphatic C5 – C35		930.00				1100.00						150.00	95.00
Aromatic C5 - C7		0.90				0.13						<0.01	<0.01
Aromatic C7 - C8		1.30				0.99						<0.01	0.025
Aromatic C8 – C10		35.00				45.00						<0.02	<0.02
Aromatic C10 – C12		220.00				540.00						<1	2.40
Aromatic C12 – C16		270.00				430.00						3.50	8.70
Aromatic C16 – C21		480.00				620.00						28.00	26.00
Aromatic C21 – C35		540.00				670.00						46.0	40.00
Aromatic C5 – C35		1500.00				2300.00						78.00	78.00
Chloromethane		<0.005				<0.005							<0.005
Chloroethane		<0.005				<0.005							<0.005
Bromomethane		<0.005				<0.005							<0.005
Vinyl chloride (Chloroethene)		<0.005				<0.005							<0.005
Trichlorofluoromethane		<0.005				<0.005							<0.005
1,1-Dichloroethene		<0.005				<0.005							<0.005
1,1,2-Trichloro 1,2,2-Trifluoroethane		<0.005				<0.005							<0.005
Trans 1,2 Dichloroethene		<0.005				<0.005							<0.005
1,1-Dichloroethane		<0.005				<0.005							<0.005
2,2-Dichloropropane		<0.005				<0.005							<0.005
Trichloromethane (Chloroform)		<0.005				<0.005							<0.005
1,1,1-Trichloroethane (TCA)		<0.005				<0.005							<0.005
1,2-Dichloroethane		<0.007				<0.007							<0.007
1,1-Dichloropropene		<0.005				<0.005							<0.005
Cis 1,2 Dichloroethene		<0.005				<0.005							<0.005
Carbon tetrachloride (Tetrachloromethane)		<0.005				<0.005							<0.005
1,2-Dichloropropane		<0.006				<0.006							<0.006
Trichloroethylene		<0.01				<0.01							<0.01
Dibromomethane		<0.005				<0.005							<0.005
Bromodichloromethane		<0.005				<0.005							<0.005
Cis-1,3-dichloropropene		<0.005				<0.005							<0.005
Trans-1,3-dichloropropene		<0.01				<0.01							<0.01
1,1,2 Trichloroethane		<0.006				<0.006							<0.006
1,3-Dichloropropane		<0.005				<0.005							<0.005
Dibromochloromethane		<0.005				<0.005							<0.005
Tetrachloroethylene		<0.005				<0.005							<0.005
1,2-Dibromoethane		<0.005				<0.005							<0.005
ChloroBenzene		<0.005				<0.005							<0.005
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)		<0.005				<0.005							<0.005
Styrene		0.26				0.42							<0.005
Bromoform		<0.005				<0.005							<0.005
Iso-propylbenzene		0.88				0.77							<0.005
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)		<0.005				<0.005							<0.005
Bromobenzene		<0.005				<0.005							<0.005
n-Propylbenzene		2.40				1.80							<0.005
2-Chlorotoluene		<0.005				<0.005							<0.005
4-Chlorotoluene		<0.005				<0.005							<0.005
1,3,5-Trimethylbenzene		4.70				7.60							<0.005
tert-Butylbenzene		<0.005				<0.005							<0.005
1,2,4-Trimethylbenzene		27.00				23.00							<0.005
sec-Butylbenzene		<0.005				<0.005							<0.005
1,3-dichlorobenzene		<0.2				<0.2							<0.2
p-Isopropyltoluene		1.30				1.0							<0.005
1,4-dichlorobenzene		<0.2				<0.2							<0.2
1,2-dichlorobenzene		<0.1				<0.1							<0.1
Butylbenzene		<0.005				<0.005							<0.005
1,2-Dibromo-3-chloropropane		<0.008				<0.008							<0.008
1,2,4-trichlorobenzene		<0.3				<0.3							<0.3
Hexachlorobutadiene		<0.1				<0.1							<0.1
1,2,3-trichlorobenzene		<0.005				<0.005							<0.005
Aniline		<0.1				<0.1							<0.1
2-chlorophenol		<0.1				<0.1							<0.1
Bis(2-chloroethyl)ether		<0.2				<0.2							<0.2
Bis(2-chloroisopropyl)ether		<0.1				<0.1							<0.1
2-Methylphenol		<0.3				<0.3							<0.3
Hexachloroethane		<0.05				<0.05							<0.05
Nitrobenzene		<0.3				<0.3							<0.3
4-Methylphenol		<0.2				<0.2							<0.2
Isophorone		<0.2				<0.2							<0.2
2-Nitrophenol		<0.3				<0.3							<0.3
2,4-Dimethylphenol		<0.3				<0.3							<0.3
Bis(2-chloroethoxy)methane		<0.3				<0.3							<0.3
2,4-Dichlorophenol		<0.3				<0.3							<0.3
4-Chloroaniline		<0.1				<0.1							<0.1
4-Chloro-3-methylphenol		<0.1				<0.1							<0.1
2,4,6-Trichlorophenol		<0.1				<0.1							<0.1
2,4,5-Trichlorophenol		<0.2				<0.2							<0.2
2-Methylnaphthalene		11.00				48.00							0.60
2-Chloronaphthalene		<0.1				<0.1							<0.1
Dimethylphthalate		<0.1				<0.1							<0.1
2,6-Dinitrotoluene		<0.1				<0.1							<0.1
2,4-Dinitrotoluene		<0.2				<0.2							<0.2
Dibenzofuran		4.00				7.50							0.50
4-Chlorophenyl phenyl ether		<0.3				<0.3							<0.3
Diethyl phthalate		<0.2				<0.2							<0.2
4-Nitroaniline		<0.2				<0.2							<0.2
Azobenzene		<0.3				<0.3							<0.3
Bromophenyl phenyl ether		<0.2				<0.2							<0.2
Hexachlorobenzene		<0.3				<0.3							<0.3
Carbazole		2.70				3.30							0.40
Dibutyl phthalate		<0.2				<0.2							<0.2
Anthraquinone		1.60				3.00							0.80
Butyl benzyl phthalate		1.80				<0.3							<0.3

MGR = Made Ground
WCM = Wolston Clay Member
WSG = Wolston Sand and Gravel
OM = Oadby Member

NUMBER OF SAMPLES: 191

Analytical Parameter	Units	Limit of detection	CRITERIA 1	CRITERIA 2	No. Analyses	CRITERIA 1 Exceedances	CRITERIA 2 Exceedances	Min	Mean	Max	Max ID
			0	0							
Stone Content	%	0.1			190			<0.1	<14	72.4	VW25-12
Moisture Content	%	0.01			190			<0.01	<14.24	52	VW25-21
Total mass of sample received	kg	0.1			190			0.1	0.6	0.9	VW25-11A
Asbestos in Soil	Detect	N/A			56			0	0	<0	n/a
Asbestos Quantification Total	%	0.001			17			<0.001	<0.004	0.018	MW25-27
pH	pH Units	N/A			188			4.2	8.5	11.8	MW25-22
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg.kg^{-1}	2.5			188			10	1164.8	6900	TP25-20
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg.L^{-1}	1.25			188			5.03	582.5	3460	TP25-20
Sulphide	mg.kg^{-1}	1			188			<1	<43.1	1000	MW25-25
Ammonium - Exchangeable as NH_4^+	mg.kg^{-1}	0.5			188			<0.5	<28.2	430	MW25-16A
Organic Matter	%	0.1			188			<0.1	<1.9	19	MW25-04A
Fraction Organic Carbon (FOC)	N/A	0.001			22			<0.001	<0.008	0.021	MW25-09C
Total Organic Carbon (TOC)	%	0.1			18			<0.1	<1.6	10	VW25-21
Loss on Ignition @ 450°C	%	0.2			188			<0.2	<3.3	76	MW25-04A
Cyanide (Total) (as CN)	mg.kg^{-1}	1			188			<1	<36.2	1200	MW25-14
Complexed cyanide	mg.kg^{-1}	1			188			<1	<35.8	1200	MW25-14
Easily liberatable cyanide	mg.kg^{-1}	1			188			<1	<1.3	12	TP25-20
Thiocyanate	mg.kg^{-1}	5			188			<5	<5.4	57	TP25-20
Chloride	mg.kg^{-1}	1			188			<1	<80.2	1100	TP25-20
Sulphur (Elemental)	mg.kg^{-1}	5			188			<5	<264.6	5100	TP25-20
Catechol	mg.kg^{-1}	0.1			188			<0.1	<0.1	0.39	MW25-27
Resorcinol	mg.kg^{-1}	0.1			188			<0.1	<0.1	0.56	MW25-13A
Cresols (Total)	mg.kg^{-1}	0.3			188			<0.3	<0.6	54	MW25-25
Naphthols	mg.kg^{-1}	0.2			188			<0.2	<0.3	16	MW25-25
2-Isopropylphenol	mg.kg^{-1}	0.1			188			<0.1	<0.1	<0.1	n/a
Phenol	mg.kg^{-1}	0.2			10			<0.2	<0.4	2.4	MW25-25
Xylenols and Ethylphenols (Total)	mg.kg^{-1}	0.4			188			<0.4	<1.5	170	MW25-25
Trimethylphenol (2,3,5-)	mg.kg^{-1}	0.1			188			<0.1	<0.1	<0.1	n/a
Phenols (Total)	mg.kg^{-1}	1.4			188			<1.4	<2.9	240	MW25-25
Naphthalene	mg.kg^{-1}	0.05			190			<0.05	<32.29	2400	MW25-25
Acenaphthylene	mg.kg^{-1}	0.05			190			<0.05	<7.23	760	MW25-25
Acenaphthene	mg.kg^{-1}	0.05			190			<0.05	<2.25	140	MW25-25
Fluorene	mg.kg^{-1}	0.05			190			<0.05	<6.55	650	MW25-25
Phenanthrene	mg.kg^{-1}	0.05			190			<0.05	<20.87	1900	MW25-25
Anthracene	mg.kg^{-1}	0.05			190			<0.05	<6.49	650	MW25-25
Fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<15.42	1200	MW25-25
Pyrene	mg.kg^{-1}	0.05			190			<0.05	<12.97	940	MW25-25
Benzo[a]anthracene	mg.kg^{-1}	0.05			190			<0.05	<6.17	450	MW25-25
Chrysene	mg.kg^{-1}	0.05			190			<0.05	<5.56	390	MW25-25
Benzo[b]fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<6.32	410	MW25-25
Benzo[k]fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<2.61	170	MW25-25
Benzo[a]pyrene	mg.kg^{-1}	0.05			190			<0.05	<5.9	390	MW25-25
Indeno[1,2,3-cd]pyrene	mg.kg^{-1}	0.05			190			<0.05	<2.73	150	MW25-25
Dibenz(a,h)anthracene	mg.kg^{-1}	0.05			190			<0.05	<0.59	35	MW25-25
Benzo[ghi]perylene	mg.kg^{-1}	0.05			190			<0.05	<2.92	160	MW25-25
PAH 16 Total	mg.kg^{-1}	0.8			190			<0.8	<136.7	10800	MW25-25
Arsenic	mg.kg^{-1}	1			188			1.1	15.8	130	MW25-04A
Boron	mg.kg^{-1}	0.2			188			0.3	1.9	12	TP25-18
Cadmium	mg.kg^{-1}	0.2			188			<0.2	<0.2	1.4	TP25-22
Chromium (VI)	mg.kg^{-1}	1.2			188			<1.2	<1.2	1.6	MW25-31A
Chromium (Total)	mg.kg^{-1}	1			188			1.9	25.7	690	TP25-10
Copper	mg.kg^{-1}	1			188			3.7	32.9	180	MW25-15C
Lead	mg.kg^{-1}	1			188			1.7	92.3	5400	MW25-19A
Mercury (inorganic)	mg.kg^{-1}	0.3			188			<0.3	<0.9	55	MW25-33
Nickel	mg.kg^{-1}	1			188			2.2	20.4	99	MW25-15C
Selenium	mg.kg^{-1}	1			188			<1	<1.3	24	MW25-04A
Zinc	mg.kg^{-1}	1			188			9.6	81.7	610	MW25-35
Benzene	mg.kg^{-1}	0.005			160			<0.005	<1.078	46	MW25-25
Toluene	mg.kg^{-1}	0.005			160			<0.005	<1.242	42	MW25-25
Ethylbenzene	mg.kg^{-1}	0.005			160			<0.005	<1.165	37	MW25-20
Xylene (p & m-Xylene)	mg.kg^{-1}	0.008			160			<0.008	<2.478	100	MW25-20
Xylene (o-Xylene)	mg.kg^{-1}	0.005			160			<0.005	<1.593	67	MW25-20
Methyl tert-butyl ether	mg.kg^{-1}	0.005			60			<0.005	<0.005	<0.005	n/a
TPH (C10 - C40)	mg.kg^{-1}	10			133			<10	<96.7	1,200	MW25-20
Aliphatic C5 - C6	mg.kg^{-1}	0.01			64			<0.01	<0.02	0	VW25-18
Aliphatic C6 - C8	mg.kg^{-1}	0.01			64			<0.01	<0.63	28	MW25-20
Aliphatic C8 – C10	mg.kg^{-1}	0.01			64			<0.01	<3.45	120	MW25-20
Aliphatic C10 – C12	mg.kg^{-1}	1			64			<1	<15.9	220	MW25-20
Aliphatic C12 – C16	mg.kg^{-1}	2			64			<2	<67.6	960	MW25-20
Aliphatic C16 – C21	mg.kg^{-1}	8			64			<8	<77.9	1000	VW25-18
Aliphatic C21 – C35	mg.kg^{-1}	8			64			<8	<90.2	840	TP25-10
Aliphatic C5 – C35	mg.kg^{-1}	10			64			<10	<253.9	2100	VW25-18
Aromatic C5 - C7	mg.kg^{-1}	0.01			64			<0.01	<2.39	46	MW25-25
Aromatic C7 - C8	mg.kg^{-1}	0.01			64			<0.01	<3.13	42	MW25-25
Aromatic C8 – C10	mg.kg^{-1}	0.02			64			<0.02	<14.93	250	MW25-20
Aromatic C10 – C12	mg.kg^{-1}	1			64			<1	<85	1800	MW25-25
Aromatic C12 – C16	mg.kg^{-1}	2			64			<2	<180	3500	MW25-25
Aromatic C16 – C21	mg.kg^{-1}	10			64			<10	<279.7	6000	MW25-25
Aromatic C21 – C35	mg.kg^{-1}	10			64			<10	<209.3	4200	MW25-25
Aromatic C5 – C35	mg.kg^{-1}	10			64			<10	<769.8	16000	MW25-25
Chloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Chloroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromomethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Vinyl chloride (Chloroethene)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trichlorofluoromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1-Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trans 1,2 Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1-Dichloroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
2,2-Dichloropropane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trichloromethane (Chloroform)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,1-Trichloroethane (TCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dichloroethane	mg.kg^{-1}	0.007			23			<0.007	<0.007	<0.007	n/a
1,1-Dichloropropene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Cis 1,2 Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Carbon tetrachloride (Tetrachloromethane)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dichloropropane	mg.kg^{-1}	0.006			23			<0.006	<0.006	<0.006	n/a
Trichloroethylene	mg.kg^{-1}	0.01			23			<0.01	<0.01	<0.01	n/a
Dibromomethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromodichloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Cis-1,3-dichloropropene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trans-1,3-dichloropropene	mg.kg^{-1}	0.01			23			<0.01	<0.01	<0.01	n/a
1,1,2 Trichloroethane	mg.kg^{-1}	0.006			23			<0.006	<0.006	<0.006	n/a
1,3-Dichloropropane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Dibromochloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Tetrachloroethylene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dibromoethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
ChloroBenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Styrene	mg.kg^{-1}	0.005			23			<0.005	<1.301	29	MW25-25
Bromoform	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Iso-propylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.21	1.1	VW25-18
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromobenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
n-Propylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.445	2.4	MW25-14
2-Chlorotoluene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
4-Chlorotoluene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,3,5-Trimethylbenzene	mg.kg^{-1}	0.005			23			<0.005	<1.82	7.6	MW25-16A
tert-Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2,4-Trimethylbenzene	mg.kg^{-1}	0.005			23			<0.005	<5.35	27	MW25-14
sec-Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,3-dichlorobenzene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
p-Isopropyltoluene	mg.kg^{-1}	0.005			23			<0.005	<0.17	1.3	MW25-14
1,4-dichlorobenzene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
1,2-dichlorobenzene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.055	0.79	VW25-18
1,2-Dibromo-3-chloropropane	mg.kg^{-1}	0.008			23			<0.008	<0.008	<0.008	n/a
1,2,4-trichlorobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Hexachlorobutadiene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
1,2,3-trichlorobenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Aniline	mg.kg^{-1}	0.1			10			<0.1	<0.1	0.4	VW25-18
2-chlorophenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Bis(2-chloroethyl)ether	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Bis(2-chloroisopropyl)ether	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2-Methylphenol	mg.kg^{-1}	0.3			10			<0.3	<5.8	55	MW25-25
Hexachloroethane	mg.kg^{-1}	0.05			10			<0.05	<0.05	<0.05	n/a
Nitrobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
4-Methylphenol	mg.kg^{-1}	0.2			10			<0.2	<9.3	91	MW25-25
Isophorone	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
2-Nitrophenol	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
2,4-Dimethylphenol	mg.kg^{-1}	0.3			10			<0.3	<22.3	220	MW25-25
Bis(2-chloroethoxy)methane	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
2,4-Dichlorophenol	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
4-Chloroaniline	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
4-Chloro-3-methylphenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4,6-Trichlorophenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4,5-Trichlorophenol	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
2-Methylnaphthalene	mg.kg^{-1}	0.1			10			<0.1	<74.4	620	MW25-25
2-Chloronaphthalene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Dimethylphthalate	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,6-Dinitrotoluene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4-Dinitrotoluene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Dibenzofuran	mg.kg^{-1}	0.2			10			<0.2	<57.8	550	MW25-25
4-Chlorophenyl phenyl ether	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Diethyl phthalate	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
4-Nitroaniline	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Azobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Bromophenyl phenyl ether	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Hexachlorobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Carbazole	mg.kg^{-1}	0.3			10			<0.3	<33.2	320	MW25-25
Dibutyl phthalate	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Anthraquinone	mg.kg^{-1}	0.3			10			<0.3	<2.4	14	MW25-25
Butyl benzyl phthalate	mg.kg^{-1}	0.3			10			<0.3	<0.5	1.8	MW25-14
Coal Tar		N/A			2			0	0	0	MW25-12
Coal Tar Total Residue	mg.kg^{-1}	10			2			1600	2500	3400	MW25-12
PCB Congener 28	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 52	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 101	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 118	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 138	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 153	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 180	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
Total PCBs	mg.kg^{-1}	0.007			2			<0.007	<0.007	<0.007	n/a

Sample Location	MW25-29	MW25-29	MW25-29	MW25-29	VW25-12	VW25-12	MW25-23B	MW25-23B	MW25-23B	MW25-23B	MW25-23B	MW25-23B-DUP	TP25-24
Depth (m bgl)	0.30	10.30	3.80	8.45	0.30	1.15	0.80	10.10	2.60	4.70	7.50	2.60	0.30
Date Sampled	20/02/2025	20/02/2025	20/02/2025	20/02/2025	13/02/2025	13/02/2025	18/02/2025	18/02/2025	18/02/2025	18/02/2025	18/02/2025	18/02/2025	13/02/2025
Stratum	MGR	OM	WSG	WSG	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR
Stone Content	40.70	<0.1	<0.1	<0.1	72.40	53.90	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	65.70
Moisture Content	11.00	16.00	15.00	16.00	7.10	11.00	13.00	17.00	15.00	15.00	<0.01	16.00	6.30
Total mass of sample received	0.80	0.80	0.70	0.70	0.60	0.60	0.50	0.40	0.60	0.50	0.60	0.50	0.60
Asbestos in Soil	Detected	-	-	-	-	-	Not-detected	-	-	-	-	-	Not-detected
Asbestos Quantification Total	<0.001												
pH	7.50	8.20	8.60	8.30	9.00	9.10	9.70	9.00	8.20	8.40	U/S	8.30	10.20
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	1800.00	210.00	190.00	70.00	250.00	440.00	590.00	190.00	270.00	290.00	U/S [*U/S f]	210.00	140.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	909.00	103.00	96.70	35.10	123.00	221.00	293.00	96.90	135.00	144.00	U/S [*U/S f]	105.00	69.20
Sulphide	3.70	160.00	22.00	59.00	<1	<1	7.70	120.00	6.80	56.00	U/S [*U/S]	1.50	<1
Ammonium - Exchangeable as NH_4^+	<0.5	33.00	270.00	51.00	<0.5	<0.5	<0.5	370.00	<0.5	8.20	110.00	<0.5	<0.5
Organic Matter	0.90	2.50	0.30	<0.1	0.30	0.80	1.0	1.60	0.10	0.30	9.30	<0.1	1.0
Fraction Organic Carbon (FOC)		0.014											
Total Organic Carbon (TOC)						0.40			<0.1				
Loss on Ignition @ 450°C	1.70	3.30	1.0	0.70	0.60	1.30	2.10	1.70	0.60	0.40	4.00	0.70	1.20
Cyanide (Total) (as CN)	1.20	<1	<1	<1	1.30	<1	1.90	<1	24.00	100.00	U/S	1.2 [*U/S f]	1.50
Complexed cyanide	1.20	<1	<1	<1	1.30	<1	1.90	<1	24.00	100.00	U/S	1.20	1.50
Easily liberatable cyanide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	U/S	< 1.0 [*U/S f]	<1
Thiocyanate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	U/S [*U/S]	<5	<5
Chloride	11.00	39.00	40.00	20.00	6.80	17.00	27.00	56.00	12.00	62.00	U/S [*U/S]	12.00	13.00
Sulphur (Elemental)	14.00	11.00	110.00	130.00	<5	7.10	<5	110.00	7.60	630.00	U/S [*U/S]	11.00	<5
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	U/S [*U/S]	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	U/S [*U/S]	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	U/S [*U/S]	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	U/S [*U/S]	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	U/S [*U/S]	<0.1	<0.1
Phenol										<0.2			
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	U/S [*U/S]	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	U/S [*U/S]	<0.1	<0.1
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	U/S [*U/S]	<1.4	<1.4
Naphthalene	0.20	0.26	<0.05	5.30	0.29	3.70	1.0	1.60	0.24	2.30	U/S [*U/S f]	0.68	0.16
Acenaphthylene	0.17	<0.05	<0.05	0.10	0.14	1.10	1.0	0.10	0.060	4.00	U/S [*U/S f]	<0.05	0.69
Acenaphthene	<0.05	<0.05	<0.05	0.40	<0.05	0.28	0.10	<0.05	<0.05	1.0	U/S [*U/S f]	<0.05	0.11
Fluorene	<0.05	<0.05	<0.05	0.26	0.13	1.0	0.32	0.070	<0.05	3.80	U/S [*U/S f]	<0.05	0.13
Phenanthrene	0.73	0.12	<0.05	0.81	0.55	5.10	3.00	0.15	0.42	6.20	U/S [*U/S f]	0.11	1.20
Anthracene	0.21	<0.05	<0.05	0.14	0.14	1.20	0.90	<0.05	0.090	1.50	U/S [*U/S f]	<0.05	0.39
Fluoranthene	1.70	0.10	<0.05	0.20	0.47	4.10	5.20	0.080	0.39	1.70	U/S [*U/S f]	0.080	3.70
Pyrene	1.60	0.090	<0.05	0.31	0.39	3.40	4.70	<0.05	0.32	1.30	U/S [*U/S f]	0.060	3.40
Benzo[a]anthracene	1.0	0.060	<0.05	0.12	0.20	1.70	3.00	<0.05	0.15	0.41	U/S [*U/S f]	<0.05	1.90
Chrysene	1.20	<0.05	<0.05	0.12	0.21	1.70	3.20	<0.05	0.19	0.36	U/S [*U/S f]	<0.05	2.00
Benzo[b]fluoranthene	1.70	<0.05	<0.05	<0.05	0.25	2.20	4.70	<0.05	0.15	0.42	U/S [*U/S f]	<0.05	4.10
Benzo[k]fluoranthene	0.54	<0.05	<0.05	<0.05	0.11	1.0	1.80	<0.05	<0.05	0.13	U/S [*U/S f]	<0.05	1.80
Benzo[a]pyrene	1.30	<0.05	<0.05	<0.05	0.21	2.20	4.00	<0.05	0.10	0.38	U/S [*U/S f]	<0.05	3.80
Indeno[1,2,3-cd]pyrene	0.80	<0.05	<0.05	<0.05	0.12	1.10	2.30	<0.05	0.070	0.20	U/S [*U/S f]	<0.05	2.50
Dibenz(a,h)anthracene	0.22	<0.05	<0.05	<0.05	<0.05	0.24	0.51	<0.05	<0.05	<0.05	U/S [*U/S f]	<0.05	0.45
Benzo[ghi]perylene	0.98	<0.05	<0.05	<0.05	0.15	1.20	2.50	<0.05	<0.05	0.26	U/S [*U/S f]	<0.05	2.80
PAH 16 Total	12.40	<0.8	<0.8	7.78	3.37	31.10	38.30	2.00	2.18	23.90	U/S	0.93	29.10
Arsenic	41.00	11.00	6.70	2.40	10.00	32.00	15.00	9.70	7.60	2.30	U/S [*U/S f]	9.60	7.30
Boron	4.20	1.60	1.40	0.60	0.90	5.00	2.10	1.40	0.60	0.60	U/S [*U/S f]	0.80	0.80
Cadmium	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	U/S [*U/S f]	<0.2	0.50
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	U/S [*U/S f]	<1.2	<1.2
Chromium (Total)	28.00	39.00	15.00	6.80	13.00	25.00	20.00	15.00	11.00	6.60	U/S [*U/S f]	11.00	11.00
Copper	64.00	48.00	39.00	37.00	49.00	38.00	28.00	14.00	10.00	9.10	U/S [*U/S f]	8.80	15.00
Lead	68.00	35.00	9.40	4.50	11.00	33.00	51.00	8.90	7.40	5.70	U/S [*U/S f]	7.80	22.00
Mercury (inorganic)	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	U/S [*U/S f]	<0.3	<0.3
Nickel	25.00	32.00	12.00	7.20	12.00	25.00	16.00	16.00	7.90	6.50	U/S [*U/S f]	8.40	8.40
Selenium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	U/S [*U/S f]	<1	<1
Zinc	100.00	74.00	46.00	33.00	46.00	72.00	78.00	47.00	43.00	23.00	U/S [*U/S f]	38.00	52.00
Benzene	<0.005	0.078	<0.005	2.90	<0.005	0.0082	<0.005	3.60	<0.005	<0.005	33.00	<0.005	<0.005
Toluene	<0.005	<0.005	<0.005	0.064	<0.005	<0.005	0.010	0.32	<0.005	0.24	36.00	<0.005	<0.005
Ethylbenzene	<0.005	<0.005	<0.005	0.50	<0.005	<0.005	<0.005	0.29	<0.005	0.095	25.00	<0.005	<0.005
Xylene (p & m-Xylene)	<0.008	<0.008	<0.008	0.41	<0.008	<0.008	<0.008	0.65	<0.008	0.36	43.00	<0.008	<0.008
Xylene (o-Xylene)	<0.005	<0.005	<0.005	0.74	<0.005	<0.005	<0.005	0.28	<0.005	0.30	41.00	<0.005	<0.005
Methyl tert-butyl ether			<0.005	<0.005		<0.005				<0.005	<0.005		
TPH (C10 - C40)	<10	<10			<10	38.00	69.00	<10	<10			18.00	120.00
Aliphatic C5 - C6			<0.01	<0.01						<0.01	<0.01		
Aliphatic C6 - C8			<0.01	<0.01						<0.01	4.90		
Aliphatic C8 – C10			<0.01	<0.01						1.80	31.00		
Aliphatic C10 – C12			<1	<1						24.00	U/S [*U/S]		
Aliphatic C12 – C16			<2	4.10						99.00	U/S [*U/S]		
Aliphatic C16 – C21			<8	<8						25.00	U/S [*U/S]		
Aliphatic C21 – C35			<8	<8						<8	U/S [*U/S]		
Aliphatic C5 – C35			<10	<10						150.00	36.00		
Aromatic C5 - C7			<0.01	2.80						0.023	32.00		
Aromatic C7 - C8			<0.01	0.094						0.25	36.00		
Aromatic C8 – C10			<0.02	1.90						1.30	120.00		
Aromatic C10 – C12			<1	1.80						15.00	U/S [*U/S]		
Aromatic C12 – C16			<2	5.00						120.00	U/S [*U/S]		
Aromatic C16 – C21			<10	<10						48.00	U/S [*U/S]		
Aromatic C21 – C35			<10	<10						21.00	U/S [*U/S]		
Aromatic C5 – C35			<10	12.00						210.00	U/S		

Sample Location	TP25-24	MW25-25	MW25-25	MW25-25	MW25-25	MW25-25-DUP	TP25-25	TP25-25	TP25-25	MW25-13A	MW25-13A	MW25-13A	MW25-33
Depth (m bgl)	1.30	0.30	2.40	5.80	6.50	6.50	0.30	1.20	1.40	0.80	2.70	7.20	1.10
Date Sampled	14/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025	14/02/2025	14/02/2025	14/02/2025	11/02/2025	11/02/2025	12/02/2025	24/02/2025
Stratum	MGR	MGR	MGR	WCM	WCM	WCM	MGR	MGR	MGR	MGR	MGR	WCM	MGR
Stone Content	62.20	17.10	<0.1	7.00	<0.1	<0.1	<0.1	<0.1	63.00	<0.1	<0.1	<0.1	<0.1
Moisture Content	6.60	16.00	4.60	13.00	18.00	18.00	18.00	19.00	6.50	19.00	15.00	13.00	7.50
Total mass of sample received	0.60	0.60	0.50	0.50	0.40	0.50	0.60	0.60	0.60	0.20	0.70	0.60	0.80
Asbestos in Soil	-	Not-detected	Not-detected	-	-	-	Not-detected	-	-	Detected	-	-	Detected
Asbestos Quantification Total										0.0010			0.0030
pH	9.90	8.20	6.90	8.60	7.90	8.00	7.90	8.10	8.40	8.20	7.60	8.50	7.90
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	99.00	92.00	23.00	92.00	1400.00	1200.00	40.00	480.00	95.00	3000.00	1200.00	170.00	2800.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	49.40	45.80	11.30	45.80	697.00	596.00	20.10	239.00	47.70	1520.00	596.00	85.80	1400.00
Sulphide	<1	<1	1.70	5.10	1000.00	970.00	<1	3.30	<1	3.20	73.00	43.00	9.60
Ammonium - Exchangeable as NH_4^+	<0.5	<0.5	<0.5	220.00	47.00	48.00	<0.5	0.50	<0.5	<0.5	4.90	14.00	<0.5
Organic Matter	0.10	2.40	<0.1	5.50	2.30	2.60	3.20	1.60	1.30	1.60	2.90	0.50	2.70
Fraction Organic Carbon (FOC)											0.017		
Total Organic Carbon (TOC)			<0.1										
Loss on Ignition @ 450°C	0.70	4.30	0.30	6.40	2.50	3.00	4.90	4.10	2.40	3.10	3.00	0.50	3.40
Cyanide (Total) (as CN)	<1	<1	<1	<1	<1	<1	<1	5.40	<1	7.50	130.00	<1	24.00
Complexed cyanide	<1	<1	<1	<1	<1	<1	<1	5.40	<1	7.50	120.00	<1	24.00
Easily liberatable cyanide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.80	<1	<1
Thiocyanate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride	15.00	3.90	<1	22.00	190.00	240.00	4.40	32.00	28.00	65.00	82.00	17.00	17.00
Sulphur (Elemental)	<5	19.00	<5	<5	2500.00	2400.00	7.70	170.00	7.70	18.00	480.00	150.00	26.00
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.56	<0.1	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	54.00	3.10	3.00	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	16.00	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol				2.40									
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	170.00	3.10	2.40	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)	<1.4	<1.4	<1.4	240.00	7.10	6.30	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Naphthalene	<0.05	0.19	<0.05	2400.00	27.00	31.00	0.29	4.00	<0.05	2.50	72.00	0.88	2.90
Acenaphthylene	0.080	<0.05	<0.05	760.00	0.21	0.38	0.42	0.37	0.080	4.70	13.00	0.080	4.20
Acenaphthene	<0.05	<0.05	<0.05	140.00	<0.05	0.17	0.060	0.17	<0.05	5.20	5.20	0.28	1.80
Fluorene	<0.05	<0.05	<0.05	650.00	0.17	0.40	0.17	0.66	<0.05	8.50	16.00	0.10	6.30
Phenanthrene	0.15	0.050	<0.05	1900.00	0.60	0.44	2.00	2.60	0.20	26.00	41.00	0.11	21.00
Anthracene	<0.05	<0.05	<0.05	650.00	0.15	0.080	0.97	1.10	0.060	7.10	12.00	<0.05	7.20
Fluoranthene	0.42	0.060	<0.05	1200.00	0.42	0.10	4.60	3.10	0.36	15.00	26.00	<0.05	21.00
Pyrene	0.43	0.080	<0.05	940.00	0.33	0.11	4.50	3.10	0.32	14.00	26.00	<0.05	18.00
Benzo[a]anthracene	0.23	<0.05	<0.05	450.00	0.16	<0.05	2.80	2.00	0.18	6.00	11.00	<0.05	10.00
Chrysene	0.23	<0.05	<0.05	390.00	0.15	<0.05	2.90	1.80	0.16	5.80	11.00	<0.05	10.00
Benzo[b]fluoranthene	0.38	<0.05	<0.05	410.00	0.18	<0.05	2.90	1.90	0.19	5.50	9.70	<0.05	10.00
Benzo[k]fluoranthene	0.10	<0.05	<0.05	170.00	<0.05	<0.05	1.50	0.52	0.11	2.20	4.80	<0.05	5.30
Benzo[a]pyrene	0.29	<0.05	<0.05	390.00	0.17	<0.05	2.60	1.60	0.17	5.00	10.00	<0.05	10.00
Indeno[1,2,3-cd]pyrene	0.20	<0.05	<0.05	150.00	0.080	<0.05	1.20	0.57	0.090	2.30	4.20	<0.05	4.60
Dibenz(a,h)anthracene	<0.05	<0.05	<0.05	35.00	<0.05	<0.05	0.34	0.19	<0.05	0.65	0.99	<0.05	0.99
Benzo[ghi]perylene	0.26	<0.05	<0.05	160.00	0.10	<0.05	1.30	0.73	0.10	2.40	4.60	<0.05	5.10
PAH 16 Total	2.78	<0.8	<0.8	10800.00	29.60	33.10	28.60	24.40	2.02	112.00	268.00	1.45	139.00
Arsenic	8.50	12.00	4.50	7.80	8.80	8.30	9.30	13.00	4.10	15.00	20.00	1.70	23.00
Boron	0.80	1.40	0.40	1.50	1.10	0.90	1.30	2.20	0.80	6.40	4.70	0.70	5.30
Cadmium	<0.2	<0.2	0.20	<0.2	<0.2	<0.2	0.30	<0.2	<0.2	0.40	<0.2	<0.2	<0.2
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)	10.00	30.00	10.00	20.00	16.00	16.00	25.00	30.00	14.00	24.00	32.00	4.30	36.00
Copper	20.00	21.00	7.80	15.00	18.00	17.00	35.00	23.00	31.00	29.00	37.00	6.60	43.00
Lead	7.90	29.00	4.90	9.60	11.00	10.00	32.00	28.00	14.00	54.00	170.00	2.40	110.00
Mercury (inorganic)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.50	2.00	<0.3	0.90
Nickel	7.90	25.00	6.80	21.00	17.00	17.00	18.00	27.00	11.00	21.00	25.00	4.40	31.00
Selenium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.30	<1	1.30
Zinc	46.00	77.00	21.00	56.00	46.00	51.00	77.00	72.00	71.00	90.00	180.00	15.00	120.00
Benzene	<0.005	0.012	<0.005	46.00	0.87	0.65	<0.005	<0.005	<0.005	0.021	7.20	0.023	<0.005
Toluene	<0.005	0.012	<0.005	42.00	0.42	0.18	<0.005	<0.005	<0.005	0.019	21.00	<0.005	<0.005
Ethylbenzene	<0.005	<0.005	<0.005	5.10	8.90	3.10	<0.005	<0.005	<0.005	<0.005	12.00	0.048	<0.005
Xylene (p & m-Xylene)	<0.008	<0.008	<0.008	38.00	8.80	2.90	<0.008	<0.008	<0.008	<0.008	35.00	<0.008	<0.008
Xylene (o-Xylene)	<0.005	<0.005	<0.005	22.00	5.00	1.40	<0.005	<0.005	<0.005	<0.005	19.00	<0.005	<0.005
Methyl tert-butyl ether				<0.005	<0.005						<0.005	<0.005	
TPH (C10 - C40)	23.00	<10	<10			27.00	60.00	72.00	<10	520.00		<10	300.00
Aliphatic C5 - C6				<0.01	<0.01						<0.01	<0.01	
Aliphatic C6 - C8				0.40	<0.01						0.28	<0.01	
Aliphatic C8 – C10				0.53	<0.01						1.20	<0.01	
Aliphatic C10 – C12				16.00	<1						6.90	<1	
Aliphatic C12 – C16				54.00	<2						34.00	<2	
Aliphatic C16 – C21				53.00	<8						20.00	<8	
Aliphatic C21 – C35				47.00	<8						23.00	<8	
Aliphatic C5 – C35				170.00	<10						84.00	<10	
Aromatic C5 - C7				46.00	0.88						7.20	0.024	
Aromatic C7 - C8				42.00	0.46						21.00	<0.01	
Aromatic C8 – C10				66.00	25.00						72.00	0.080	
Aromatic C10 – C12				1800.00	12.00						28.00	<1	
Aromatic C12 – C16				3500.00	<2						110.00	<2	
Aromatic C16 – C21				6000.00	<10						98.00	<10	
Aromatic C21 – C35				4200.00	<10						56.00	<10	
Aromatic C5 – C35				16000.00	38.00						320.00	<10	

Sample Location	MW25-33	MW25-33	TP25-04	TP25-04	TP25-05	TP25-05	TP25-05	TP25-06	TP25-06	MW25-10	MW25-10	MW25-10	MW25-30B
Depth (m bgl)	4.00	6.00	0.30	2.00	0.35	2.10	2.20	0.40	1.90	2.50	2.70-3.70	6.40	1.20
Date Sampled	24/02/2025	24/02/2025	03/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	05/02/2025	05/02/2025	07/02/2025	10/02/2025	10/02/2025	21/02/2025
Stratum	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	WCM	MGR
Stone Content	<0.1	<0.1	33.90	34.00	31.20	51.20	24.20	43.60	<0.1	<0.1	<0.1	<0.1	<0.1
Moisture Content	8.30	20.00	8.70	17.00	7.30	17.00	12.00	8.70	17.00	18.00	30.00	19.00	13.00
Total mass of sample received	0.80	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.80	0.80	0.80
Asbestos in Soil	-	-	Not-detected	-	Not-detected	-	-	Detected	-	-	-	-	Not-detected
Asbestos Quantification Total								<0.001					
pH	8.70	8.70	11.50	9.00	9.50	8.90	8.20	11.50	8.20	8.80	9.70	8.20	8.40
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	300.00	110.00	210.00	1400.00	980.00	1600.00	4800.00	170.00	330.00	2500.00	1300.00	290.00	150.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	151.00	53.00	106.00	685.00	488.00	814.00	2420.00	84.80	167.00	1230.00	646.00	143.00	73.50
Sulphide	1.20	59.00	2.40	5.10	6.20	23.00	78.00	1.80	28.00	85.00	49.00	93.00	4.60
Ammonium - Exchangeable as NH_4^+	<0.5	83.00	<0.5	<0.5	<0.5	0.80	17.00	<0.5	10.00	36.00	14.00	24.00	<0.5
Organic Matter	0.20	7.60	<0.1	0.60	0.70	0.60	2.30	0.30	1.10	2.80	2.10	2.50	1.0
Fraction Organic Carbon (FOC)						0.0037						0.015	
Loss on Ignition @ 450°C	0.70	7.70	0.80	1.70	2.30	1.30	2.40	1.10	3.10	3.60	4.10	2.60	1.70
Cyanide (Total) (as CN)	<1	270.00	<1	2.30	<1	1.50	61.00	<1	1.90	61.00	28.00	<1	<1
Complexed cyanide	<1	260.00	<1	2.30	<1	1.50	61.00	<1	1.90	61.00	28.00	<1	<1
Easily liberatable cyanide	<1	8.40	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thiocyanate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride	6.10	84.00	21.00	25.00	21.00	45.00	120.00	5.80	32.00	180.00	68.00	38.00	4.50
Sulphur (Elemental)	10.00	770.00	<5	10.00	19.00	54.00	1200.00	<5	88.00	280.00	140.00	11.00	15.00
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol	<0.2												
Xylenols and Ethylphenols (Total)	<0.4	23.00	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)	<1.4	23.00	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Naphthalene	33.00	750.00	<0.05	0.40	2.70	0.33	2.80	0.060	21.00	71.00	71.00	3.70	1.50
Acenaphthylene	0.77	130.00	<0.05	0.24	0.22	0.52	3.50	0.11	2.60	23.00	24.00	0.28	0.78
Acenaphthene	0.35	43.00	<0.05	<0.05	0.070	0.17	3.20	<0.05	4.30	6.70	5.30	0.060	0.20
Fluorene	0.43	96.00	<0.05	0.050	0.12	0.30	7.40	<0.05	4.40	24.00	21.00	0.17	0.46
Phenanthrene	0.44	230.00	<0.05	0.50	0.67	3.40	27.00	0.32	13.00	63.00	52.00	0.37	2.30
Anthracene	0.16	83.00	<0.05	0.13	0.20	0.66	8.80	0.11	2.70	17.00	15.00	0.090	0.60
Fluoranthene	0.25	150.00	<0.05	0.95	1.0	4.40	41.00	0.86	8.00	26.00	21.00	0.17	2.60
Pyrene	0.25	130.00	<0.05	0.93	0.89	3.80	35.00	<0.05	7.80	28.00	24.00	0.18	2.50
Benzo[a]anthracene	0.21	41.00	<0.05	0.63	0.62	2.10	19.00	0.51	3.70	13.00	12.00	<0.05	1.30
Chrysene	0.22	38.00	<0.05	0.70	0.61	2.10	16.00	0.57	3.30	12.00	11.00	0.090	1.40
Benzo[b]fluoranthene	0.29	33.00	<0.05	1.10	0.82	2.60	18.00	0.85	3.50	9.00	8.90	0.060	1.80
Benzo[k]fluoranthene	0.15	19.00	<0.05	0.53	0.35	1.10	9.90	0.39	1.40	3.40	3.80	<0.05	0.64
Benzo[a]pyrene	0.26	34.00	<0.05	0.97	0.76	2.20	19.00	0.73	3.30	9.10	9.70	<0.05	1.50
Indeno[1,2,3-cd]pyrene	0.22	14.00	<0.05	0.71	0.48	1.40	8.40	0.40	1.40	3.70	4.20	<0.05	0.92
Dibenz(a,h)anthracene	0.070	<0.05	<0.05	0.14	0.090	0.32	2.00	0.11	<0.05	1.10	1.20	<0.05	0.23
Benzo[ghi]perylene	0.24	16.00	<0.05	0.79	0.49	1.40	8.50	0.44	1.30	4.00	5.00	<0.05	1.10
PAH 16 Total	36.80	1810.00	<0.8	8.74	10.10	26.70	228.00	5.47	81.40	313.00	289.00	5.18	19.70
Arsenic	10.00	16.00	14.00	14.00	13.00	11.00	22.00	15.00	14.00	21.00	17.00	13.00	15.00
Boron	1.40	2.60	1.20	2.10	2.30	3.30	3.70	0.60	1.50	5.00	6.70	1.40	1.0
Cadmium	<0.2	0.80	0.40	0.30	<0.2	0.30	0.50	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)	15.00	30.00	13.00	20.00	16.00	15.00	42.00	20.00	31.00	27.00	24.00	30.00	22.00
Copper	34.00	35.00	22.00	38.00	24.00	19.00	47.00	40.00	26.00	44.00	29.00	23.00	54.00
Lead	16.00	250.00	14.00	73.00	29.00	60.00	80.00	21.00	29.00	130.00	49.00	15.00	51.00
Mercury (inorganic)	<0.3	55.00	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	12.00	20.00	11.00	17.00	13.00	15.00	30.00	13.00	32.00	27.00	20.00	31.00	24.00
Selenium	<1	2.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Zinc	43.00	170.00	54.00	130.00	57.00	85.00	86.00	56.00	80.00	140.00	82.00	64.00	87.00
Benzene	1.90	33.00						<0.005	0.37	0.96	4.90	0.047	<0.005
Toluene	1.50	27.00						<0.005	0.19	5.00	12.00	0.033	<0.005
Ethylbenzene	7.30	16.00						<0.005	1.60	7.20	8.60	0.022	<0.005
Xylene (p & m-Xylene)	4.00	28.00						<0.008	0.59	13.00	15.00	0.038	<0.008
Xylene (o-Xylene)	3.70	24.00						<0.005	1.20	6.50	7.10	0.021	<0.005
Methyl tert-butyl ether	<0.005	<0.005							<0.005	<0.005	<0.005		
TPH (C10 - C40)			<10	11.00	<10			30.00				<10	31.00
Aliphatic C5 - C6	<0.01	0.21				<0.01	<0.01		<0.01	<0.01	<0.01		
Aliphatic C6 - C8	0.13	2.00				<0.01	<0.01		<0.01	0.12	<0.01		
Aliphatic C8 – C10	1.10	27.00				<0.01	<0.01		0.13	0.25	0.32		
Aliphatic C10 – C12	3.10	89.00				<1	6.70		15.00	3.60	1.60		
Aliphatic C12 – C16	<2	470.00				8.10	78.00		97.00	35.00	29.00		
Aliphatic C16 – C21	<8	580.00				15.00	110.00		96.00	38.00	28.00		
Aliphatic C21 – C35	<8	450.00				15.00	220.00		22.00	28.00	43.00		
Aliphatic C5 – C35	<10	1600.00				39.00	410.00		230.00	110.00	100.00		
Aromatic C5 - C7	1.90	32.00				<0.01	0.51		0.37	0.96	4.90		
Aromatic C7 - C8	1.50	27.00				<0.01	<0.01		0.19	5.00	12.00		
Aromatic C8 – C10	18.00	79.00				<0.02	0.70		4.00	29.00	34.00		
Aromatic C10 – C12	17.00	790.00				<1	10.00		24.00	22.00	34.00		
Aromatic C12 – C16	4.80	1800.00				10.00	100.00		110.00	110.00	220.00		
Aromatic C16 – C21	<10	2100.00				30.00	260.00		88.00	94.00	170.00		
Aromatic C21 – C35	<10	2000.00				31.0	290.00		28.00	32.00	71.00		
Aromatic C5 – C35	44.00	6800.00				72.00	660.00		250.00	300.00	540.00		

Sample Location	MW25-30B	MW25-30B	TP25-07	TP25-07	TP25-08	TP25-08	TP25-09	TP25-09	VW25-14	VW25-14	MW25-17	MW25-17	MW25-17
Depth (m bgl)	2.20	5.40	0.50	1.80	0.60	2.40	1.90	4.00	0.30	1.00	0.20	0.80	3.00
Date Sampled	21/02/2025	24/02/2025	05/02/2025	05/02/2025	05/02/2025	05/02/2025	06/02/2025	06/02/2025	13/02/2025	17/02/2025	13/02/2025	13/02/2025	13/02/2025
Stratum	MGR	WCM	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR
Stone Content	<0.1	<0.1	36.60	40.80	<0.1	<0.1	<0.1	<0.1	45.10	42.50	53.80	33.00	
Moisture Content	17.00	14.00	6.90	7.40	7.20	21.00	17.00	20.00	6.70	5.60	7.00	10.00	
Total mass of sample received	0.60	0.80	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.60	0.60	
Asbestos in Soil	-	-	Not-detected	-	Not-detected	-	-	-	Not-detected	-	Not-detected	-	Not-detected
pH	8.90	8.30	11.20	11.00	9.10	8.60	8.40	8.80	9.20	9.80	7.80	8.20	
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	2300.00	230.00	1200.00	440.00	400.00	840.00	410.00	720.00	43.00	230.00	540.00	3100.00	
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	1130.00	116.00	583.00	219.00	200.00	420.00	204.00	360.00	21.70	113.00	270.00	1570.00	
Sulphide	58.00	38.00	3.60	7.00	1.30	32.00	40.00	69.00	3.90	8.70	1.40	26.00	
Ammonium - Exchangeable as NH_4^+	<0.5	10.00	<0.5	<0.5	<0.5	<0.5	5.10	8.30	<0.5	<0.5	<0.5	7.40	
Organic Matter	2.30	1.0	<0.1	<0.1	0.30	1.90	1.40	1.40	<0.1	<0.1	0.60	2.70	
Fraction Organic Carbon (FOC)		0.0055											
Total Organic Carbon (TOC)										<0.1			
Loss on Ignition @ 450°C	3.00	1.70	1.10	1.0	0.70	2.50	2.10	2.20	0.80	0.50	1.50	4.20	
Cyanide (Total) (as CN)	1.50	<1	<1	<1	<1	12.00	<1	2.30	<1	<1	<1	31.00	
Complexed cyanide	1.50	<1	<1	<1	<1	12.00	<1	2.30	<1	<1	<1	31.00	
Easily liberatable cyanide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Thiocyanate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Chloride	55.00	31.00	18.00	23.00	25.00	37.00	170.00	210.00	5.60	27.00	15.00	200.00	
Sulphur (Elemental)	100.00	13.00	9.30	14.00	<5	190.00	16.00	120.00	<5	<5	12.00	170.00	
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	
Naphthalene	38.00	0.44	0.22	0.63	<0.05	2.00	0.25	5.10	<0.05	0.090	0.28	3.20	
Acenaphthylene	16.00	0.090	0.080	0.67	<0.05	3.90	0.30	2.70	<0.05	<0.05	0.050	2.90	
Acenaphthene	4.90	<0.05	0.050	0.19	<0.05	1.20	1.30	1.30	<0.05	<0.05	<0.05	1.0	
Fluorene	18.00	0.10	0.070	0.76	<0.05	4.90	1.20	3.50	<0.05	<0.05	0.070	4.00	
Phenanthrene	48.00	0.36	0.39	2.90	0.13	16.00	3.80	9.10	<0.05	0.31	0.26	13.00	
Anthracene	13.00	0.10	<0.05	0.79	<0.05	5.10	0.71	2.90	<0.05	0.050	<0.05	4.00	
Fluoranthene	24.00	0.26	0.57	1.80	0.37	18.00	2.60	5.80	<0.05	0.46	0.15	11.00	
Pyrene	27.00	0.29	0.54	2.00	0.36	17.00	2.30	6.60	<0.05	0.38	0.14	11.00	
Benzo[a]anthracene	12.00	0.11	0.31	0.91	<0.05	9.30	0.54	3.00	<0.05	0.22	0.080	5.00	
Chrysene	11.00	0.11	0.29	0.94	0.21	7.70	0.58	3.10	<0.05	0.24	0.10	4.70	
Benzo[b]fluoranthene	10.00	0.14	0.46	0.95	0.32	8.50	0.50	3.20	<0.05	0.32	<0.05	4.60	
Benzo[k]fluoranthene	3.80	<0.05	<0.05	<0.05	0.12	3.20	0.23	1.20	<0.05	0.090	<0.05	1.60	
Benzo[a]pyrene	10.00	0.080	0.39	0.86	<0.05	8.50	0.39	3.10	<0.05	0.22	<0.05	4.40	
Indeno[1,2,3-cd]pyrene	4.20	<0.05	0.20	0.37	0.18	3.20	0.16	1.20	<0.05	0.13	<0.05	1.70	
Dibenz(a,h)anthracene	0.96	<0.05	<0.05	<0.05	<0.05	0.91	<0.05	0.31	<0.05	<0.05	<0.05	0.35	
Benzo[ghi]perylene	4.70	0.060	0.23	0.36	0.16	3.20	0.20	1.20	<0.05	0.15	<0.05	2.00	
PAH 16 Total	247.00	2.13	3.82	14.10	1.84	112.00	15.00	53.20	<0.8	2.68	1.14	74.80	
Arsenic	19.00	9.90	17.00	18.00	14.00	19.00	9.30	9.50	4.00	16.00	27.00	18.00	
Boron	6.90	1.10	0.70	0.90	2.30	3.50	1.30	3.20	0.70	1.50	0.70	4.90	
Cadmium	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20	<0.2	<0.2	<0.2	<0.2	
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	
Chromium (Total)	26.00	26.00	16.00	28.00	15.00	26.00	26.00	28.00	9.10	17.00	40.00	27.00	
Copper	64.00	20.00	20.00	24.00	24.00	33.00	17.00	23.00	12.00	20.00	66.00	40.00	
Lead	85.00	13.00	46.00	63.00	16.00	130.00	13.00	51.00	9.50	10.00	17.00	96.00	
Mercury (inorganic)	<0.3	<0.3	<0.3	<0.3	<0.3	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	
Nickel	22.00	27.00	13.00	15.00	13.00	25.00	25.00	19.00	8.00	12.00	27.00	21.00	
Selenium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3.70	<1	
Zinc	140.00	60.00	67.00	71.00	52.00	110.00	56.00	78.00	37.00	55.00	65.00	140.00	
Benzene	2.90	0.43	<0.005	<0.005	<0.005	0.091	0.011	0.056	<0.005	<0.005	0.015	0.056	
Toluene	7.20	0.0080	<0.005	<0.005	<0.005	0.16	<0.005	0.011	<0.005	<0.005	0.014	0.021	
Ethylbenzene	6.10	<0.005	<0.005	<0.005	<0.005	0.88	0.057	0.12	<0.005	<0.005	<0.005	0.086	
Xylene (p & m-Xylene)	14.00	<0.008	<0.008	<0.008	<0.008	1.30	0.0090	0.061	<0.008	<0.008	<0.008	0.050	
Xylene (o-Xylene)	5.10	<0.005	<0.005	<0.005	<0.005	0.72	0.022	0.052	<0.005	<0.005	<0.005	0.085	
Methyl tert-butyl ether	<0.005			<0.005		<0.005	<0.005	<0.005		<0.005		<0.005	
TPH (C10 - C40)		<10	31.00		<10				<10	<10	70.00		
Aliphatic C5 - C6	<0.01			<0.01		<0.01	<0.01	<0.01				<0.01	
Aliphatic C6 - C8	<0.01			<0.01		<0.01	<0.01	0.054				<0.01	
Aliphatic C8 – C10	<0.01			<0.01		0.14	0.027	0.033				<0.01	
Aliphatic C10 – C12	8.30			2.00		8.50	10.00	1.80				2.00	
Aliphatic C12 – C16	61.00			5.00		49.00	110.00	28.00				7.80	
Aliphatic C16 – C21	51.00			10.00		50.00	140.00	38.00				28.00	
Aliphatic C21 – C35	50.00			17.00		33.00	40.00	27.00				200.00	
Aliphatic C5 – C35	170.00			34.00		140.00	300.00	94.00				240.00	
Aromatic C5 - C7	2.90			<0.01		0.095	0.013	0.058				0.056	
Aromatic C7 - C8	7.00			<0.01		0.17	<0.01	0.015				0.021	
Aromatic C8 – C10	22.00			<0.02		3.50	0.15	0.34				0.27	
Aromatic C10 – C12	26.00			<1		3.00	4.30	6.10				2.60	
Aromatic C12 – C16	150.00			4.50		52.00	51.00	47.00				34.00	
Aromatic C16 – C21	160.00			11.00		150.00	86.00	67.00				65.00	
Aromatic C21 – C35	70.00			<10		160.00	27.00	52.00				160.00	
Aromatic C5 – C35	440.00			15.00		360.00	170.00	170.00				260.00	

Sample Location	VW25-12	MW25-23B	MW25-25	MW25-13A	MW25-33	MW25-10	MW25-30B	VW25-14
Depth (m bgl)	1.15	4.70	5.80	2.70	4.00	2.50	2.20	1.00
Date Sampled	13/02/2025	18/02/2025	19/02/2025	11/02/2025	24/02/2025	07/02/2025	21/02/2025	17/02/2025
Stratum	MGR	MGR	WCM	MGR	MGR	MGR	MGR	MGR
Chloromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride (Chloroethene)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloro 1,2,2-Trifluoroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trans 1,2 Dichloroethene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2,2-Dichloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloromethane (Chloroform)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane (TCA)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
1,1-Dichloropropene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cis 1,2 Dichloroethene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride (Tetrachloromethane)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Trichloroethylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibromomethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cis-1,3-dichloropropene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trans-1,3-dichloropropene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,2 Trichloroethane	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
1,3-Dichloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethylene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ChloroBenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	<0.005	<0.005	29.00	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Iso-propylbenzene	<0.005	<0.005	0.40	0.19	0.45	0.13	0.075	<0.005
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
n-Propylbenzene	<0.005	<0.005	0.58	0.55	0.60	0.39	0.19	<0.005
2-Chlorotoluene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3,5-Trimethylbenzene	<0.005	<0.005	6.10	2.90	1.50	2.80	1.60	<0.005
tert-Butylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trimethylbenzene	<0.005	1.60	13.00	7.40	6.40	7.50	4.10	<0.005
sec-Butylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-dichlorobenzene		<0.2	<0.2		<0.2			
p-Isopropyltoluene	<0.005	<0.005	<0.005	0.24	0.28	0.13	0.055	<0.005
1,4-dichlorobenzene		<0.2	<0.2		<0.2			
1,2-dichlorobenzene		<0.1	<0.1		<0.1			
Butylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
1,2,4-trichlorobenzene		<0.3	<0.3		<0.3			
Hexachlorobutadiene		<0.1	<0.1		<0.1			
1,2,3-trichlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Sample Location	MW25-23B	MW25-25	MW25-33
Depth (m bgl)	4.70	5.80	4.00
Date Sampled	18/02/2025	19/02/2025	24/02/2025
Stratum	MGR	WCM	MGR
Aniline	0.20	<0.1	<0.1
2-chlorophenol	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether	<0.2	<0.2	<0.2
Bis(2-chloroisopropyl)ether	<0.1	<0.1	<0.1
2-Methylphenol	<0.3	55.00	<0.3
Hexachloroethane	<0.05	<0.05	<0.05
Nitrobenzene	<0.3	<0.3	<0.3
4-Methylphenol	<0.2	91.00	<0.2
Isophorone	<0.2	<0.2	<0.2
2-Nitrophenol	<0.3	<0.3	<0.3
2,4-Dimethylphenol	<0.3	220.00	<0.3
Bis(2-chloroethoxy)methane	<0.3	<0.3	<0.3
2,4-Dichlorophenol	<0.3	<0.3	<0.3
4-Chloroaniline	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	<0.2	<0.2	<0.2
2-Methylnaphthalene	0.20	620.00	44.00
2-Chloronaphthalene	<0.1	<0.1	<0.1
Dimethylphthalate	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	<0.2	<0.2	<0.2
Dibenzofuran	2.50	550.00	4.10
4-Chlorophenyl phenyl ether	<0.3	<0.3	<0.3
Diethyl phthalate	<0.2	<0.2	<0.2
4-Nitroaniline	<0.2	<0.2	<0.2
Azobenzene	<0.3	<0.3	<0.3
Bromophenyl phenyl ether	<0.2	<0.2	<0.2
Hexachlorobenzene	<0.3	<0.3	<0.3
Carbazole	<0.3	320.00	<0.3
Dibutyl phthalate	<0.2	<0.2	<0.2
Anthraquinone	<0.3	14.00	0.70
Butyl benzyl phthalate	<0.3	<0.3	<0.3

MGR = Made Ground
WCM = Wolston Clay Member
WSG = Wolston Sand and Gravel
OM = Oadby Member

NUMBER OF SAMPLES: 191

Analytical Parameter	Units	Limit of detection	CRITERIA 1: 0	CRITERIA 2: 0	No. Analyses	CRITERIA 1 Exceedances	CRITERIA 2 Exceedances	Min	Mean	Max	Max ID
Stone Content	%	0.1			190			<0.1	<14	72.4	VW25-12
Moisture Content	%	0.01			190			<0.01	<14.24	52	VW25-21
Total mass of sample received	kg	0.1			190			0.1	0.6	0.9	VW25-11A
Asbestos in Soil	Detect	N/A			56			0	0	<0	n/a
Asbestos Quantification Total	%	0.001			17			<0.001	<0.004	0.018	MW25-27
pH	pH Units	N/A			188			4.2	8.5	11.8	MW25-22
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg.kg^{-1}	2.5			188			10	1164.8	6900	TP25-20
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg.L^{-1}	1.25			188			5.03	582.5	3460	TP25-20
Sulphide	mg.kg^{-1}	1			188			<1	<43.1	1000	MW25-25
Ammonium - Exchangeable as NH_4^+	mg.kg^{-1}	0.5			188			<0.5	<28.2	430	MW25-16A
Organic Matter	%	0.1			188			<0.1	<1.9	19	MW25-04A
Fraction Organic Carbon (FOC)	N/A	0.001			22			<0.001	<0.008	0.021	MW25-09C
Total Organic Carbon (TOC)	%	0.1			18			<0.1	<1.6	10	VW25-21
Loss on Ignition @ 450°C	%	0.2			188			<0.2	<3.3	76	MW25-04A
Cyanide (Total) (as CN)	mg.kg^{-1}	1			188			<1	<36.2	1200	MW25-14
Complexed cyanide	mg.kg^{-1}	1			188			<1	<35.8	1200	MW25-14
Easily liberatable cyanide	mg.kg^{-1}	1			188			<1	<1.3	12	TP25-20
Thiocyanate	mg.kg^{-1}	5			188			<5	<5.4	57	TP25-20
Chloride	mg.kg^{-1}	1			188			<1	<80.2	1100	TP25-20
Sulphur (Elemental)	mg.kg^{-1}	5			188			<5	<264.6	5100	TP25-20
Catechol	mg.kg^{-1}	0.1			188			<0.1	<0.1	0.39	MW25-27
Resorcinol	mg.kg^{-1}	0.1			188			<0.1	<0.1	0.56	MW25-13A
Cresols (Total)	mg.kg^{-1}	0.3			188			<0.3	<0.6	54	MW25-25
Naphthols	mg.kg^{-1}	0.2			188			<0.2	<0.3	16	MW25-25
2-Isopropylphenol	mg.kg^{-1}	0.1			188			<0.1	<0.1	<0.1	n/a
Phenol	mg.kg^{-1}	0.2			10			<0.2	<0.4	2.4	MW25-25
Xylenols and Ethylphenols (Total)	mg.kg^{-1}	0.4			188			<0.4	<1.5	170	MW25-25
Trimethylphenol (2,3,5-)	mg.kg^{-1}	0.1			188			<0.1	<0.1	<0.1	n/a
Phenols (Total)	mg.kg^{-1}	1.4			188			<1.4	<2.9	240	MW25-25
Naphthalene	mg.kg^{-1}	0.05			190			<0.05	<32.29	2400	MW25-25
Acenaphthylene	mg.kg^{-1}	0.05			190			<0.05	<7.23	760	MW25-25
Acenaphthene	mg.kg^{-1}	0.05			190			<0.05	<2.25	140	MW25-25
Fluorene	mg.kg^{-1}	0.05			190			<0.05	<6.55	650	MW25-25
Phenanthrene	mg.kg^{-1}	0.05			190			<0.05	<20.87	1900	MW25-25
Anthracene	mg.kg^{-1}	0.05			190			<0.05	<6.49	650	MW25-25
Fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<15.42	1200	MW25-25
Pyrene	mg.kg^{-1}	0.05			190			<0.05	<12.97	940	MW25-25
Benzo[a]anthracene	mg.kg^{-1}	0.05			190			<0.05	<6.17	450	MW25-25
Chrysene	mg.kg^{-1}	0.05			190			<0.05	<5.56	390	MW25-25
Benzo[b]fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<6.32	410	MW25-25
Benzo[k]fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<2.61	170	MW25-25
Benzo[a]pyrene	mg.kg^{-1}	0.05			190			<0.05	<5.9	390	MW25-25
Indeno[1,2,3-cd]pyrene	mg.kg^{-1}	0.05			190			<0.05	<2.73	150	MW25-25
Dibenz(a,h)anthracene	mg.kg^{-1}	0.05			190			<0.05	<0.59	35	MW25-25
Benzo[ghi]perylene	mg.kg^{-1}	0.05			190			<0.05	<2.92	160	MW25-25
PAH 16 Total	mg.kg^{-1}	0.8			190			<0.8	<136.7	10800	MW25-25
Arsenic	mg.kg^{-1}	1			188			1.1	15.8	130	MW25-04A
Boron	mg.kg^{-1}	0.2			188			0.3	1.9	12	TP25-18
Cadmium	mg.kg^{-1}	0.2			188			<0.2	<0.2	1.4	TP25-22
Chromium (VI)	mg.kg^{-1}	1.2			188			<1.2	<1.2	1.6	MW25-31A
Chromium (Total)	mg.kg^{-1}	1			188			1.9	25.7	690	TP25-10
Copper	mg.kg^{-1}	1			188			3.7	32.9	180	MW25-15C
Lead	mg.kg^{-1}	1			188			1.7	92.3	5400	MW25-19A
Mercury (inorganic)	mg.kg^{-1}	0.3			188			<0.3	<0.9	55	MW25-33
Nickel	mg.kg^{-1}	1			188			2.2	20.4	99	MW25-15C
Selenium	mg.kg^{-1}	1			188			<1	<1.3	24	MW25-04A
Zinc	mg.kg^{-1}	1			188			9.6	81.7	610	MW25-35
Benzene	mg.kg^{-1}	0.005			160			<0.005	<1.078	46	MW25-25
Toluene	mg.kg^{-1}	0.005			160			<0.005	<1.242	42	MW25-25
Ethylbenzene	mg.kg^{-1}	0.005			160			<0.005	<1.165	37	MW25-20
Xylene (p & m-Xylene)	mg.kg^{-1}	0.008			160			<0.008	<2.478	100	MW25-20
Xylene (o-Xylene)	mg.kg^{-1}	0.005			160			<0.005	<1.593	67	MW25-20
Methyl tert-butyl ether	mg.kg^{-1}	0.005			60			<0.005	<0.005	<0.005	n/a
TPH (C10 - C40)	mg.kg^{-1}	10			133			<10	<96.7	1,200	MW25-20
Aliphatic C5 - C6	mg.kg^{-1}	0.01			64			<0.01	<0.02	0	VW25-18
Aliphatic C6 - C8	mg.kg^{-1}	0.01			64			<0.01	<0.63	28	MW25-20
Aliphatic C8 – C10	mg.kg^{-1}	0.01			64			<0.01	<3.45	120	MW25-20
Aliphatic C10 – C12	mg.kg^{-1}	1			64			<1	<15.9	220	MW25-20
Aliphatic C12 – C16	mg.kg^{-1}	2			64			<2	<67.6	960	MW25-20
Aliphatic C16 – C21	mg.kg^{-1}	8			64			<8	<77.9	1000	VW25-18
Aliphatic C21 – C35	mg.kg^{-1}	8			64			<8	<90.2	840	TP25-10
Aliphatic C5 – C35	mg.kg^{-1}	10			64			<10	<253.9	2100	VW25-18
Aromatic C5 - C7	mg.kg^{-1}	0.01			64			<0.01	<2.39	46	MW25-25
Aromatic C7 - C8	mg.kg^{-1}	0.01			64			<0.01	<3.13	42	MW25-25
Aromatic C8 – C10	mg.kg^{-1}	0.02			64			<0.02	<14.93	250	MW25-20
Aromatic C10 – C12	mg.kg^{-1}	1			64			<1	<85	1800	MW25-25
Aromatic C12 – C16	mg.kg^{-1}	2			64			<2	<180	3500	MW25-25
Aromatic C16 – C21	mg.kg^{-1}	10			64			<10	<279.7	6000	MW25-25
Aromatic C21 – C35	mg.kg^{-1}	10			64			<10	<209.3	4200	MW25-25
Aromatic C5 – C35	mg.kg^{-1}	10			64			<10	<769.8	16000	MW25-25
Chloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Chloroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromomethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Vinyl chloride (Chloroethene)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trichlorofluoromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1-Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trans 1,2 Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1-Dichloroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
2,2-Dichloropropane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trichloromethane (Chloroform)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,1-Trichloroethane (TCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dichloroethane	mg.kg^{-1}	0.007			23			<0.007	<0.007	<0.007	n/a
1,1-Dichloropropene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Cis 1,2 Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Carbon tetrachloride (Tetrachloromethane)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dichloropropane	mg.kg^{-1}	0.006			23			<0.006	<0.006	<0.006	n/a
Trichloroethylene	mg.kg^{-1}	0.01			23			<0.01	<0.01	<0.01	n/a
Dibromomethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromodichloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Cis-1,3-dichloropropene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trans-1,3-dichloropropene	mg.kg^{-1}	0.01			23			<0.01	<0.01	<0.01	n/a
1,1,2 Trichloroethane	mg.kg^{-1}	0.006			23			<0.006	<0.006	<0.006	n/a
1,3-Dichloropropane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Dibromochloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Tetrachloroethylene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dibromoethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
ChloroBenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Styrene	mg.kg^{-1}	0.005			23			<0.005	<1.301	29	MW25-25
Bromoform	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Iso-propylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.21	1.1	VW25-18
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromobenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
n-Propylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.445	2.4	MW25-14
2-Chlorotoluene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
4-Chlorotoluene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,3,5-Trimethylbenzene	mg.kg^{-1}	0.005			23			<0.005	<1.82	7.6	MW25-16A
tert-Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2,4-Trimethylbenzene	mg.kg^{-1}	0.005			23			<0.005	<5.35	27	MW25-14
sec-Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,3-dichlorobenzene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
p-Isopropyltoluene	mg.kg^{-1}	0.005			23			<0.005	<0.17	1.3	MW25-14
1,4-dichlorobenzene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
1,2-dichlorobenzene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.055	0.79	VW25-18
1,2-Dibromo-3-chloropropane	mg.kg^{-1}	0.008			23			<0.008	<0.008	<0.008	n/a
1,2,4-trichlorobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Hexachlorobutadiene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
1,2,3-trichlorobenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Aniline	mg.kg^{-1}	0.1			10			<0.1	<0.1	0.4	VW25-18
2-chlorophenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Bis(2-chloroethyl)ether	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Bis(2-chloroisopropyl)ether	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2-Methylphenol	mg.kg^{-1}	0.3			10			<0.3	<5.8	55	MW25-25
Hexachloroethane	mg.kg^{-1}	0.05			10			<0.05	<0.05	<0.05	n/a
Nitrobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
4-Methylphenol	mg.kg^{-1}	0.2			10			<0.2	<9.3	91	MW25-25
Isophorone	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
2-Nitrophenol	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
2,4-Dimethylphenol	mg.kg^{-1}	0.3			10			<0.3	<22.3	220	MW25-25
Bis(2-chloroethoxy)methane	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
2,4-Dichlorophenol	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
4-Chloroaniline	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
4-Chloro-3-methylphenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4,6-Trichlorophenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4,5-Trichlorophenol	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
2-Methylnaphthalene	mg.kg^{-1}	0.1			10			<0.1	<74.4	620	MW25-25
2-Chloronaphthalene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Dimethylphthalate	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,6-Dinitrotoluene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4-Dinitrotoluene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Dibenzofuran	mg.kg^{-1}	0.2			10			<0.2	<57.8	550	MW25-25
4-Chlorophenyl phenyl ether	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Diethyl phthalate	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
4-Nitroaniline	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Azobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Bromophenyl phenyl ether	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Hexachlorobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Carbazole	mg.kg^{-1}	0.3			10			<0.3	<33.2	320	MW25-25
Dibutyl phthalate	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Anthraquinone	mg.kg^{-1}	0.3			10			<0.3	<2.4	14	MW25-25
Butyl benzyl phthalate	mg.kg^{-1}	0.3			10			<0.3	<0.5	1.8	MW25-14
Coal Tar		N/A			2			0	0	0	MW25-12
Coal Tar Total Residue	mg.kg^{-1}	10			2			1600	2500	3400	MW25-12
PCB Congener 28	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 52	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 101	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 118	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 138	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 153	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 180	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
Total PCBs	mg.kg^{-1}	0.007			2			<0.007	<0.007	<0.007	n/a

Sample Location	MW25-17	MW25-22	MW25-22	MW25-22	TP25-10	TP25-10	TP25-10	TP25-11	TP25-11	TP25-12	TP25-12	TP25-13	TP25-13	VW25-11A	VW25-11A	MW25-32	MW25-32	MW25-32	MW25-32-DUP	VW25-18	VW25-18	MW25-04A	MW25-04A	MW25-04A	MW25-04-DUP	MW25-07
Depth (m bgl)	5.00	0.50	1.00	1.40-4.00	0.20	2.00	2.90	0.30	1.40	0.20	1.00	0.50	1.20	0.15	0.95	0.10	1.90	6.20	6.20	0.30	1.00	0.70	1.30	2.10	2.1	0.40
Date Sampled	13/02/2025	17/02/2025	17/02/2025	18/02/2025	06/02/2025	06/02/2025	06/02/2025	07/02/2025	07/02/2025	07/02/2025	07/02/2025	07/02/2025	07/02/2025	12/02/2025	12/02/2025	24/02/2025	24/02/2025	24/02/2025	24/02/2025	18/02/2025	18/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025	06/02/2025
Stratum	WSG	MGR	MGR	MGR	MGR	WSG	WSG	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	WCM	WSG	WSG	MGR	MGR	MGR	WSG	WSG	WSG	MGR
Stone Content	<0.1	19.50	38.20	36.90	50.10	<0.1	<0.1	61.60	56.50	66.70	56.70	<0.1	<0.1	37.30	<0.1	39.60	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	37.30
Moisture Content	15.00	15.00	8.30	16.00	6.00	9.80	18.00	6.10	10.00	3.60	9.60	15.00	11.00	4.50	13.00	9.60	13.00	14.00	15.00	12.00	21.00	11.00	41.00	20.00	21.00	9.20
Total mass of sample received	0.60	0.50	0.60	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.90	0.80	0.70	0.80	0.60	0.70	0.50	0.60	0.60	0.60	0.60	0.60	0.60
Asbestos in Soil	-	Detected	-	Not-detected	Not-detected	-	-	Not-detected	-	Not-detected	-	-	-	-	-	Not-detected	-	-	-	Not-detected	-	Not-detected	-	-	-	Not-detected
Asbestos Quantification Total		0.0010																								
pH	9.00	8.70	7.70	11.80	7.00	7.90	8.80	9.20	11.00	9.60	7.60	8.30	9.20	9.40	8.80	11.80	8.50	8.60	8.60	10.40	8.80	7.60	6.00	8.00	8.60	8.20
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	76.00	360.00	4600.00	700.00	520.00	210.00	850.00	110.00	750.00	70.00	3600.00	920.00	3600.00	85.00	3500.00	400.00	490.00	150.00	190.00	4300.00	6400.00	3700.00	4000.00	200.00	160.00	3600.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	37.80	182.00	2300.00	349.00	258.00	105.00	427.00	52.70	376.00	35.00	1810.00	462.00	1800.00	42.20	1730.00	199.00	244.00	77.40	93.00	2170.00	3190.00	1850.00	1990.00	97.60	82.40	1780.00
Sulphide	1.10	37.00	17.00	100.00	6.80	1.60	180.00	<1	23.00	<1	6.30	21.00	39.00	1.80	34.00	19.00	6.20	27.00	32.00	12.00	520.00	21.00	58.00	3.60	3.00	1.90
Ammonium - Exchangeable as NH_4^+	<0.5	3.10	2.70	4.30	<0.5	<0.5	2.00	<0.5	1.40	<0.5	0.90	8.90	13.00	<0.5	0.80	<0.5	160.00	66.00	63.00	<0.5	35.00	19.00	210.00	11.00	13.00	<0.5
Organic Matter	0.30	1.90	1.60	0.90	0.40	0.30	1.90	1.0	1.40	1.80	1.70	1.90	2.20	0.40	1.90	1.30	0.60	0.70	1.70	2.30	4.60	19.00	18.00	0.40	0.40	0.70
Fraction Organic Carbon (FOC)																								0.0022		
Total Organic Carbon (TOC)		1.10																			2.70					
Loss on Ignition @ 450°C	0.60	3.70	3.20	2.40	1.60	1.0	2.00	1.50	2.80	1.90	2.90	3.60	3.40	1.20	5.00	3.50	1.40	1.90	2.60	4.00	6.10	76.00	23.00	0.60	0.50	1.0
Cyanide (Total) (as CN)	<1	16.00	78.00	4.80	<1	<1	1.50	<1	7.10	<1	83.00	30.00	180.00	<1	15.00	<1	<1	<1	<1	14.00	230.00	35.00	1.40	<1	<1	<1
Complexed cyanide	<1	16.00	78.00	4.80	<1	<1	1.50	<1	7.10	<1	83.00	30.00	180.00	<1	15.00	<1	<1	<1	<1	14.00	230.00	35.00	1.40	<1	<1	<1
Easily liberatable cyanide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thiocyanate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride	18.00	110.00	110.00	270.00	12.00	110.00	330.00	27.00	240.00	18.00	160.00	47.00	120.00	5.50	190.00	17.00	24.00	8.80	10.00	280.00	640.00	42.00	280.00	67.00	72.00	25.00
Sulphur (Elemental)	7.00	190.00	64.00	280.00	<5	8.10	2000.00	8.30	27.00	8.80	100.00	140.00	190.00	8.50	130.00	11.00	23.00	23.00	26.00	150.00	3200.00	110.00	1800.00	<5	<5	8.10
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol		<0.2																			<0.2					
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Naphthalene	<0.05	30.00	0.57	2.00	0.10	<0.05	1.70	0.36	1.0	<0.05	1.10	18.00	2.50	<0.05	0.67	0.060	<0.05	<0.05	<0.05	1.10	10.00	17.00	0.43	<0.05	<0.05	<0.05
Acenaphthylene	<0.05	9.90	0.54	0.30	<0.05	<0.05	0.40	0.090	0.74	<0.05	0.29	7.40	2.50	<0.05	1.0	0.060	<0.05	<0.05	<0.05	0.32	5.60	0.53	<0.05	<0.05	<0.05	0.19
Acenaphthene	<0.05	5.30	0.36	0.39	<0.05	<0.05	1.30	<0.05	0.31	<0.05	0.17	3.00	0.54	<0.05	0.63	<0.05	<0.05	<0.05	<0.05	0.080	3.00	0.58	<0.05	<0.05	<0.05	<0.05
Fluorene	<0.05	9.80	0.71	0.49	<0.05	<0.05	2.50	<0.05	1.0	<0.05	0.26	8.40	1.70	<0.05	0.76	<0.05	<0.05	<0.05	<0.05	0.28	7.60	1.30	<0.05	<0.05	<0.05	0.13
Phenanthrene	<0.05	24.00	7.90	2.30	0.090	<0.05	7.80	0.36	6.90	0.19	2.20	23.00	11.00	0.080	6.40	0.44	<0.05	<0.05	<0.05	0.52	12.00	8.20	0.13	<0.05	<0.05	1.60
Anthracene	<0.05	5.60	2.40	0.44	<0.05	<0.05	2.60	0.11	1.90	<0.05	0.65	6.10	4.00	<0.05	2.60	0.070	<0.05	<0.05	<0.05	0.19	5.40	1.50	<0.05	<0.05	<0.05	0.36
Fluoranthene	<0.05	8.30	13.00	1.80	0.080	<0.05	10.00	1.50	11.00	0.66	5.70	11.00	21.00	0.25	12.00	0.53	<0.05	<0.05	<0.05	1.10	19.00	5.60	<0.05	<0.05	<0.05	1.60
Pyrene	<0.05	9.90	11.00	1.30	0.060	<0.05	8.30	1.60	9.10	0.60	5.00	12.00	20.00	0.21	11.00	0.47	<0.05	<0.05	<0.05	1.20	17.00	4.60	<0.05	<0.05	<0.05	1.30
Benzo[a]anthracene	<0.05	4.50	5.50	0.62	<0.05	<0.05	3.30	0.81	4.50	0.32	2.90	5.50	11.00	0.12	6.00	0.24	<0.05	<0.05	<0.05	0.67	8.10	1.80	<0.05	<0.05	<0.05	0.65
Chrysene	<0.05	4.50	5.30	0.63	<0.05	<0.05	3.50	0.97	4.50	0.40	2.90	5.50	11.00	0.14	5.60	0.28	<0.05	<0.05	<0.05	0.76	8.00	1.90	<0.05	<0.05	<0.05	0.59
Benzo[b]fluoranthene	<0.05	2.90	6.50	0.62	<0.05	<0.05	4.00	1.40	5.30	0.37	4.40	5.00	17.00	0.17	7.70	0.35	<0.05	<0.05	<0.05	1.30	13.00	1.80	<0.05	<0.05	<0.05	0.52
Benzo[k]fluoranthene	<0.05	1.40	2.10	0.30	<0.05	<0.05	1.70	0.44	2.20	0.14	1.80	1.50	6.10	0.060	3.80	0.10	<0.05	<0.05	<0.05	0.54	5.20	0.48	<0.05	<0.05	<0.05	0.35
Benzo[a]pyrene	<0.05	2.90	5.40	0.49	<0.05	<0.05	3.30	1.10	4.70	0.24	3.20	4.50	14.00	0.15	7.90	0.29	<0.05	<0.05	<0.05	1.10	12.00	1.0	<0.05	<0.05	<0.05	0.56
Indeno[1,2,3-cd]pyrene	<0.05	1.10	2.50	0.26	<0.05	<0.05	1.40	0.68	2.20	<0.05	1.90	1.80	7.90	0.070	3.90	0.17	<0.05	<0.05	<0.05	0.88	6.50	0.55	<0.05	<0.05	<0.05	0.35
Dibenz(a,h)anthracene	<0.05	0.32	0.63	<0.05	<0.05	<0.05	0.30	0.17	0.41	<0.05	0.29	0.38	1.40	<0.05	0.81	<0.05	<0.05	<0.05	<0.05	0.17	1.40	0.13	<0.05	<0.05	<0.05	<0.05
Benzo[ghi]perylene	<0.05	1.20	2.50	0.29	<0.05	<0.05	1.40	0.77	2.40	<0.05	2.10	2.00	8.40	0.080	4.10	0.19	<0.05	<0.05	<0.05	0.99	6.30	0.67	<0.05	<0.05	<0.05	0.34
PAH 16 Total	<0.8	122.00	66.30	12.10	<0.8	<0.8	53.30	10.50	57.60	2.92	34.80	115.00	140.00	1.33	74.90	3.26	<0.8	<0.8	<0.8	11.30	140.00	47.80	<0.8	<0.8	<0.8	8.50
Arsenic	3.60	11.00	20.00	9.80	36.00	4.20	11.00	15.00	21.00	2.10	23.00	15.00	21.00	14.00	37.00	9.10	6.90	3.70	3.60	11.00	13.00	27.00	130.00	2.40	2.40	11.00
Boron	0.70	3.20	1.80	1.80	0.50	0.80	1.50	0.60	2.30	0.30	1.30	1.30	3.00	0.50	2.20	4.90	1.60	1.0	1.10	2.40	2.20	3.30	3.60	0.50	0.40	3.00
Cadmium	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.30	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.50	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.50
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)	11.00	50.00	24.00	20.00	38.00	12.00	690.00	26.00	58.00	13.00	53.00	32.00	41.00	28.00	35.00	28.00	27.00	7.50	7.10	27.00	30.00	5.80	17.00	8.90	8.00	20.00
Copper	9.00	44.00	39.00	19.00	61.00	12.00	27.00	41.00	48.00	26.00	79.00	56.00	98.00	41.00	66.00	26.00	19.00	11.00	8.10	110.00	82.00	25.00	29.00	16.00	13.00	33.00
Lead	9.30	66.00	130.00	77.00	21.00	18.00	380.00	26.00	120.00	6.60	89.00	80.00	240.00	9.40	110.00	44.00	11.00	4.60	5.90	40.00	120.00	54.00	14.00	7.10	6.50	18.00
Mercury (inorganic)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1.0	<0.3	4.90	<0.3	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.70	<0.3	<0.3	<0.3	<0.3
Nickel	12.00	34.00	19.00	11.00	30.00	12.00	27.00	21.00	17.00	13.00	35.00	27.00	27.00	22.00	28.00	17.00	26.00	8.50	9.00	21.00	26.00	8.10	39.00	10.00	9.80	15.00
Selenium	<1	1.0	1.10	<1	7.10	<1	<1	<1	1.80	<1	2.60	<1	1.80	<1	4.10	<1	<1	<1	<1	<1	<1	1.90	24.00	1.20	1.30	<1
Zinc	33.00	100.00	78.00	120.00	50.00	41.00	250.00	83.00	150.00	49.00	190.00	120.00	99.00	91.00	110.00	190.00	57.00	25.00	26.00	79.00	76.00	23.00	56.00	39.00	34.00	93.00
Benzene	<0.005	0.070	0.023	0.048	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	0.024	0.034	0.015	0.89					<0.005
Toluene	<0.005	0.025	0.027	0.036	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	0.014	0.22					<0.005
Ethylbenzene	<0.005	0.18	0.0080	0.014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.15	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	6.30					<0.005
Xylene (p & m-Xylene)	<0.008	0.12	0.010	0.038	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	0.073	<0.008		<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008					<0.008
Xylene (o-Xylene)	<0.005	0.19	0.0050	0.023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.11	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.46					<0.005
Methyl tert-butyl ether		<0.005	<0.005	<0.005			<0.005			<0.005	<0.005										<0.005					
TPH (C10 - C40)	<10				<10	<10		44.00	660.00	830.00		220.00	330.00	<10		210.00	<10	<10	<10	410.00			<10	88.00	<10	<10
Aliphatic C5 - C6		<0.01	<0.01	<0.01			<0.01			<0.01	<0.01				<0.01						0.37	0.045				
Aliphatic C6 - C8		<0.01	<0.01	<0.01			0.20			<0.01	<0.01				<0.01						1.10	0.066				
Aliphatic C8 – C10		<0.01	<0.01	<0.01			0.55			<0.01	<0.01				<0.01						0.73	0.028				
Aliphatic C10 – C12		2.20	<1	14.00			9.50			3.70	1.0				1.20						80.00	37.00				
Aliphatic C12 – C16		36.00	<2	220.00			85.00			8.50	6.10				3.60						740.00	16.00				
Aliphatic C16 – C21		62.00	<8	280.00			330.00			41.00	15.00				<8						1000.00	12.00				
Aliphatic C21 – C35		94.00	<8	120.00			840.00			310.00	43.00				11.00						220.00	72.00				
Aliphatic C5 – C35		190.00	<10	630.00			1300.00			360.00	65.00				16.00						2100.00	140.00				
Aromatic C5 - C7		0.073	0.025	0.053			<0.01			<0.01	<0.01				<0.01						1.10	0.11				
Aromatic C7 - C8		0.029	0.027	0.037			<0.01			<0.01	<0.01				<0.01						0.95	0.093				
Aromatic C8 – C10		0.59	0.028	0.15			<0.02			<0.02	<0.02				<0.02						13.00	0.13				
Aromatic C10 – C12		22.00	<1	5.20			7.80			<1	<1				<1						67.00	2.30				
Aromatic C12 – C16		110.00	5.20	100.00			48.00			2.20	2.80				3.50						450.00	11.00				
Aromatic C16 – C21		100.00	39.00	160.00			300.00			24.00	21.00				20.00						650.00	11.00				
Aromatic C21 – C35		47.00	38.0	44.00			350.00			300.0	30.0				27.0						260.00	34.00				
Aromatic C5 – C35		280.00	82.00	310.00			700.00			330.00	53.00				51.00						1400.00	58.00				
Chloromethane		<0.005																			<0.005					
Chloroethane		<0.005																			<0.005					
Bromomethane		<0.005																			<0.005					
Vinyl chloride (Chloroethene)		<0.005																			<0.005					
Trichlorofluoromethane		<0.005																			<0.005					
1,1-Dichloroethene		<0.005																			<0.005					
1,1,2-Trichloro 1,2,2-Trifluoroethane		<0.005																			<0.005					
Trans 1,2 Dichloroethene		<0.005																			<0.005					
1,1-Dichloroethane		<0.005																			<0.005					
2,2-Dichloropropane		<0.005																			<0.005					
Trichloromethane (Chloroform)		<0.005																			<0.005					
1,1,1-Trichloroethane (TCA)		<0.005																			<0.005					
1,2-Dichloroethane		<0.007																			<0.007					
1,1-Dichloropropene		<0.005																			<0.005					
Cis 1,2 Dichloroethene		<0.005																			<0.005					
Carbon tetrachloride (Tetrachloromethane)		<0.005																			<0.005					
1,2-Dichloropropane		<0.006																			<0.006					
Trichloroethylene		<0.01																			<0.01					
Dibromomethane		<0.005																			<0.005					
Bromodichloromethane		<0.005																			<0.005					
Cis-1,3-dichloropropene		<0.005																			<0.005					
Trans-1,3-dichloropropene		<0.01																			<0.01					
1,1,2 Trichloroethane		<0.006																			<0.006					
1,3-Dichloropropane		<0.005																			<0.005					
Dibromochloromethane		<0.005																			<0.005					
Tetrachloroethylene		<0.005																			<0.005					
1,2-Dibromoethane		<0.005																			<0.005					
ChloroBenzene		<0.005																			<0.005					
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)		<0.005																			<0.005					
Styrene		<0.005																			<0.005					
Bromoform		<0.005																			<0.005					
Iso-propylbenzene		0.0099																			1.10					
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)		<0.005																			<0.005					
Bromobenzene		<0.005																			<0.005					
n-Propylbenzene		0.0096																			2.10					
2-Chlorotoluene		<0.005																			<0.005					
4-Chlorotoluene		<0.005																			<0.005					
1,3,5-Trimethylbenzene		0.087																			<0.005					
tert-Butylbenzene		<0.005																			<0.005					
1,2,4-Trimethylbenzene		0.27																			1.90					
sec-Butylbenzene		<0.005																			<0.005					
1,3-dichlorobenzene		<0.2																			<0.2					
p-Isopropyltoluene		<0.005																			<0.005					
1,4-dichlorobenzene		<0.2																			<0.2					
1,2-dichlorobenzene		<0.1																			<0.1					
Butylbenzene		<0.005																			0.79					
1,2-Dibromo-3-chloropropane		<0.008																			<0.008					
1,2,4-trichlorobenzene		<0.3																			<0.3					
Hexachlorobutadiene		<0.1																			<0.1					
1,2,3-trichlorobenzene		<0.005																			<0.005					
Aniline		<0.1																			0.40					
2-chlorophenol		<0.1																			<0.1					
Bis(2-chloroethyl)ether		<0.2																			<0.2					
Bis(2-chloroisopropyl)ether		<0.1																			<0.1					
2-Methylphenol		<0.3																			<0.3					
Hexachloroethane		<0.05																			<0.05					
Nitrobenzene		<0.3																			<0.3					
4-Methylphenol		<0.2																			<0.2					
Isophorone		<0.2																			<0.2					
2-Nitrophenol		<0.3																			<0.3					
2,4-Dimethylphenol		<0.3																			0.50					
Bis(2-chloroethoxy)methane		<0.3																			<0.3					
2,4-Dichlorophenol		<0.3																			<0.3					
4-Chloroaniline		<0.1																			<0.1					
4-Chloro-3-methylphenol		<0.1																			<0.1					
2,4,6-Trichlorophenol		<0.1																			<0.1					
2,4,5-Trichlorophenol		<0.2																			<0.2					
2-Methylnaphthalene		16.00																			1.0					
2-Chloronaphthalene		<0.1																			<0.1					
Dimethylphthalate		<0.1																			<0.1					
2,6-Dinitrotoluene		<0.1																			<0.1					
2,4-Dinitrotoluene		<0.2																			<0.2					
Dibenzofuran		1.30																			5.40					
4-Chlorophenyl phenyl ether		<0.3																			<0.3					
Diethyl phthalate		<0.2																			<0.2					
4-Nitroaniline		<0.2																			<0.2					
Azobenzene		<0.3																			<0.3					
Bromophenyl phenyl ether		<0.2																			<0.2					
Hexachlorobenzene		<0.3																			<0.3					
Carbazole		<0.3																			1.30					
Dibutyl phthalate		<0.2																			<0.2					
Anthraquinone		2.30																			<0.3					
Butyl benzyl phthalate		<0.3																			<0.3					
Coal Tar																										
Coal Tar Total Residue																										
PCB Congener 28																										
PCB Congener 52																										
PCB Congener 101																										
PCB Congener 118																										
PCB Congener 138																										
PCB Congener 153																										
PCB Congener 180																										
Total PCBs																										

Sample Location	MW25-07	MW25-07	MW25-07	MW25-35	MW25-35	MW25-35	TP25-19	TP25-19	TP25-22	TP25-22	TP25-23	TP25-23	VW25-20A	VW25-20A	VW25-21	VW25-21	MW25-08	MW25-08	MW25-08	MW25-19A	MW25-19A	MW25-19A	MW25-19A	MW25-19A-DUP	MW25-24	MW25-24
Depth (m bgl)	1.50	5.00	8.40	0.30	1.00	1.50	1.60	3.70	1.00	2.40	0.10	0.90	0.20	0.75	0.25	0.75	0.50	1.00	2.70	0.50	1.30	4.50	7.00	4.50	0.40	1.50
Date Sampled	06/02/2025	06/02/2025	06/02/2025	27/02/2025	27/02/2025	27/02/2025	11/02/2025	11/02/2025	12/02/2025	12/02/2025	13/02/2025	13/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025	06/02/2025	06/02/2025	06/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025	18/02/2025	18/02/2025
Stratum	MGR	WSG	WCM	MGR	MGR	WCM	MGR	WSG	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	WCM	MGR	MGR	WSG	WCM	WSG	MGR	WSG
Stone Content	<0.1	<0.1	<0.1	<0.1	24.40	<0.1	29.00	<0.1	<0.1	<0.1	68.80	45.80	13.20	25.30	<0.1	<0.1	<0.1	30.40	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Moisture Content	16.00	18.00	16.00	13.00	9.00	14.00	21.00	23.00	15.00	17.00	14.00	16.00	13.00	13.00	9.00	52.00	15.00	12.00	25.00	10.00	16.00	15.00	17.00	15.00	15.00	8.40
Total mass of sample received	0.60	0.60	0.60	0.50	0.50	0.50	0.70	0.80	0.20	0.60	0.60	0.60	0.50	0.60	0.50	0.50	0.80	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
Asbestos in Soil	-	-	-	-	Not-detected	-	-	-	-	-	Not-detected	-	Detected	-	Not-detected	-	Detected	-	-	-	-	-	-	-	Detected	-
Asbestos Quantification Total													0.0090				<0.001								0.0010	
pH	4.20	8.40	8.30	7.70	6.80	7.00	7.50	8.10	8.90	8.00	11.00	10.00	7.40	9.10	7.50	6.10	8.50	7.70	7.30	7.10	8.10	8.00	8.60	7.90	8.20	7.50
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	3400.00	130.00	340.00	3400.00	1700.00	3200.00	3200.00	1100.00	3500.00	4200.00	2900.00	3100.00	180.00	2300.00	4100.00	1200.00	630.00	3900.00	370.00	3200.00	280.00	160.00	340.00	160.00	350.00	89.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	1700.00	67.50	169.00	1700.00	856.00	1580.00	1590.00	570.00	1760.00	2100.00	1460.00	1570.00	90.50	1160.00	2050.00	596.00	314.00	1940.00	186.00	1580.00	142.00	78.10	170.00	78.60	174.00	44.60
Sulphide	1.50	<1	110.00	<1	3.50	1.80	32.00	46.00	<1	6.00	<1	21.00	2.60	24.00	<1	160.00	20.00	83.00	20.00	2.60	30.00	<1	91.00	<1	25.00	<1
Ammonium - Exchangeable as NH_4^+	3.80	1.50	3.10	<0.5	<0.5	<0.5	45.00	27.00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	78.00	17.00	77.00	57.00	3.40	<0.5	<0.5	4.60	<0.5	1.30	<0.5
Organic Matter	4.40	<0.1	2.50	1.50	7.10	1.50	4.40	0.70	0.90	3.00	1.30	1.0	3.20	2.90	0.60	17.00	2.00	2.70	3.20	3.90	2.00	0.30	1.30	0.30	3.50	0.30
Fraction Organic Carbon (FOC)			0.014			0.0086		0.0039											0.019			0.0019				
Total Organic Carbon (TOC)							2.60			1.80				1.70		10.00										
Loss on Ignition @ 450°C	6.50	0.40	3.90	2.40	8.50	2.40	8.10	0.90	1.20	4.80	2.80	2.50	5.20	5.90	1.60	20.00	3.50	4.50	5.90	6.60	3.90	0.80	2.10	0.90	4.90	1.40
Cyanide (Total) (as CN)	4.00	<1	<1	47.00	280.00	2.80	84.00	12.00	2.10	130.00	<1	<1	41.00	200.00	<1	<1	9.50	150.00	<1	86.00	3.00	<1	<1	<1	11.00	<1
Complexed cyanide	4.00	<1	<1	47.00	280.00	2.80	84.00	12.00	2.10	130.00	<1	<1	41.00	200.00	<1	<1	7.90	140.00	<1	86.00	3.00	<1	<1	<1	11.00	<1
Easily liberatable cyanide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.50	2.60	<1	<1	<1	<1	<1	<1	<1	<1
Thiocyanate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.60	6.50	<5	5.10	<5	<5	<5	<5	<5	<5	<5
Chloride	140.00	18.00	40.00	110.00	37.00	17.00	24.00	66.00	11.00	63.00	15.00	16.00	12.00	42.00	7.00	210.00	540.00	470.00	93.00	83.00	87.00	42.00	52.00	42.00	37.00	150.00
Sulphur (Elemental)	13.00	<5	<5	12.00	33.00	11.00	250.00	220.00	17.00	37.00	<5	8.20	8.90	76.00	8.40	2800.00	210.00	1200.00	290.00	22.00	14.00	6.80	9.70	6.90	320.00	<5
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol																<0.2										
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Naphthalene	<0.05	<0.05	<0.05	0.13	20.00	<0.05	2.70	1.10	<0.05	0.41	0.060	0.10	0.23	1.80	0.060	8.60	1.20	0.76	<0.05	1.40	0.17	<0.05	<0.05	<0.05	10.00	0.090
Acenaphthylene	0.14	<0.05	<0.05	0.18	19.00	<0.05	6.50	0.21	<0.05	0.70	<0.05	<0.05	0.40	2.60	<0.05	0.35	1.50	0.28	<0.05	1.0	0.19	<0.05	<0.05	<0.05	0.92	<0.05
Acenaphthene	<0.05	<0.05	<0.05	<0.05	3.70	<0.05	1.50	0.14	<0.05	0.21	<0.05	<0.05	<0.05	2.00	<0.05	0.47	0.46	0.56	<0.05	0.96	0.090	<0.05	<0.05	<0.05	0.40	<0.05
Fluorene	<0.05	<0.05	<0.05	0.10	11.00	<0.05	2.90	0.33	<0.05	0.39	<0.05	<0.05	0.14	2.60	<0.05	0.87	1.20	0.89	<0.05	1.80	0.18	<0.05	<0.05	<0.05	0.58	<0.05
Phenanthrene	0.82	<0.05	<0.05	1.10	130.00	<0.05	13.00	1.30	0.15	3.00	0.10	0.22	1.50	22.00	<0.05	0.94	7.40	5.60	0.14	12.00	2.10	0.050	<0.05	<0.05	4.70	<0.05
Anthracene	0.23	<0.05	<0.05	0.29	33.00	<0.05	7.00	0.54	0.050	1.10	<0.05	<0.05	0.55	7.30	<0.05	0.23	1.90	1.50	<0.05	3.50	0.60	<0.05	<0.05	<0.05	0.64	<0.05
Fluoranthene	2.60	<0.05	<0.05	2.00	130.00	<0.05	39.00	2.30	0.25	6.70	0.12	0.40	3.60	39.00	<0.05	0.26	8.20	9.00	0.26	16.00	4.50	0.080	<0.05	0.080	5.10	<0.05
Pyrene	2.40	<0.05	<0.05	1.80	110.00	<0.05	37.00	2.20	0.22	7.00	0.14	0.39	3.50	34.00	<0.05	0.20	7.50	7.70	0.23	12.00	3.90	0.070	<0.05	0.060	4.10	<0.05
Benzo[a]anthracene	1.70	<0.05	<0.05	0.96	56.00	<0.05	23.00	0.99	0.17	3.70	<0.05	0.15	1.80	18.00	<0.05	<0.05	3.40	4.00	0.11	6.50	2.60	<0.05	<0.05	<0.05	1.90	<0.05
Chrysene	2.00	<0.05	<0.05	1.0	53.00	<0.05	22.00	1.10	0.15	4.00	<0.05	0.16	1.90	15.00	<0.05	<0.05	3.00	4.30	0.17	6.50	2.40	<0.05	<0.05	<0.05	2.30	<0.05
Benzo[b]fluoranthene	2.90	<0.05	<0.05	1.30	47.00	<0.05	35.00	1.50	0.20	5.50	<0.05	0.16	2.70	22.00	<0.05	<0.05	4.40	5.10	0.19	7.90	3.20	0.070	<0.05	<0.05	2.50	<0.05
Benzo[k]fluoranthene	1.10	<0.05	<0.05	0.54	23.00	<0.05	16.00	0.47	0.090	2.50	<0.05	0.12	1.10	7.40	<0.05	<0.05	1.50	2.10	0.090	2.50	1.40	<0.05	<0.05	<0.05	0.95	<0.05
Benzo[a]pyrene	2.50	<0.05	<0.05	1.20	39.00	<0.05	37.00	1.20	0.19	4.60	<0.05	0.16	2.40	19.00	<0.05	<0.05	4.30	4.20	0.14	6.30	2.70	<0.05	<0.05	<0.05	2.10	<0.05
Indeno[1,2,3-cd]pyrene	1.30	<0.05	<0.05	0.72	21.00	<0.05	20.00	0.58	0.090	2.60	<0.05	0.090	1.40	9.50	<0.05	<0.05	2.30	2.00	0.060	2.90	1.50	<0.05	<0.05	<0.05	1.20	<0.05
Dibenz(a,h)anthracene	0.26	<0.05	<0.05	0.17	5.30	<0.05	3.70	0.10	<0.05	0.53	<0.05	<0.05	0.21	1.70	<0.05	<0.05	0.39	0.54	<0.05	0.69	0.38	<0.05	<0.05	<0.05	0.22	<0.05
Benzo[ghi]perylene	1.20	<0.05	<0.05	0.86	18.00	<0.05	22.00	0.64	0.11	2.70	<0.05	0.12	1.40	9.70	<0.05	<0.05	2.90	2.20	0.070	3.00	1.50	0.060	<0.05	<0.05	1.40	<0.05
PAH 16 Total	19.10	<0.8	<0.8	12.40	727.00	<0.8	288.00	14.60	1.66	45.40	<0.8	2.07	22.70	213.00	<0.8	11.90	51.70	50.80	1.47	85.00	27.40	<0.8	<0.8	<0.8	38.90	<0.8
Arsenic	17.00	3.40	11.00	17.00	33.00	13.00	100.00	9.10	19.00	32.00	25.00	17.00	24.00	44.00	9.90	68.00	19.00	21.00	23.00	10.00	11.00	2.90	7.50	2.60	12.00	4.70
Boron	3.20	0.40	0.50	3.90	3.50	2.00	4.10	1.0	4.60	6.70	1.70	1.60	1.80	1.80	3.80	7.60	2.00	3.40	1.60	1.40	1.50	0.80	0.80	0.80	2.80	1.10
Cadmium	<0.2	<0.2	<0.2	<0.2	<0.2	1.0	<0.2	0.30	1.40	<0.2	<0.2	0.50	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)	20.00	6.30	31.00	33.00	31.00	38.00	23.00	12.00	25.00	62.00	20.00	25.00	24.00	37.00	18.00	19.00	22.00	20.00	29.00	14.00	25.00	7.20	26.00	7.80	20.00	14.00
Copper	42.00	7.50	19.00	37.00	100.00	29.00	110.00	17.00	31.00	99.00	34.00	26.00	36.00	94.00	7.40	50.00	24.00	43.00	23.00	36.00	50.00	8.90	15.00	8.90	36.00	11.00
Lead	110.00	5.80	13.00	49.00	26.00	21.00	670.00	33.00	45.00	200.00	26.00	28.00	92.00	330.00	6.30	39.00	41.00	91.00	34.00	79.00	5400.00	9.20	10.00	6.40	96.00	8.00
Mercury (inorganic)	0.30	<0.3	<0.3	<0.3	0.30	<0.3	0.50	<0.3	<0.3	1.50	<0.3	<0.3	0.30	1.80	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.40	<0.3
Nickel	27.00	7.50	30.00	38.00	36.00	56.00	48.00	16.00	30.00	43.00	29.00	22.00	23.00	48.00	7.70	17.00	22.00	24.00	25.00	16.00	25.00	7.60	24.00	7.70	16.00	10.00
Selenium	<1	<1	<1	<1	1.30	<1	<1	<1	<1	1.30	<1	<1	<1	1.10	<1	3.50	<1	<1	<1	1.30	1.10	<1	<1	<1	<1	<1
Zinc	110.00	27.00	59.00	200.00	58.00	610.00	200.00	67.00	410.00	160.00	97.00	340.00	130.00	230.00	22.00	36.00	71.00	91.00	100.00	63.00	49.00	25.00	47.00	25.00	92.00	36.00
Benzene	<0.005	<0.005	<0.005	<0.005	0.032	<0.005	0.093		<0.005	<0.005	0.0070	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0070	<0.005	<0.005	<0.005	<0.005	0.014	<0.005	0.024	<0.005
Toluene	<0.005	<0.005	<0.005	<0.005	0.010	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0090	<0.005	0.019	<0.005
Ethylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.077		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Xylene (p & m-Xylene)	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	0.10		<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
Xylene (o-Xylene)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.074		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methyl tert-butyl ether					<0.005							<0.005		<0.005		<0.005		<0.005								
TPH (C10 - C40)	37.00	<10	<10	13.00	1200.00	<10		44.00	<10	140.00	370.00	300.00	70.00	690.00	<10		95.00		<10	150.00	43.00	20.00	<10	25.00	71.00	<10
Aliphatic C5 - C6					<0.01		<0.01					<0.01		<0.01		<0.01		<0.01								
Aliphatic C6 - C8					<0.01		<0.01					<0.01		<0.01		<0.01		<0.01								
Aliphatic C8 – C10					<0.01		0.27					<0.01		<0.01		<0.01		<0.01								
Aliphatic C10 – C12					17.00		47.00					<1		1.10		<1		2.40								
Aliphatic C12 – C16					27.00		48.00					5.80		8.70		<2		7.70								
Aliphatic C16 – C21					34.00		18.00					40.00		29.00		<8		13.00								
Aliphatic C21 – C35					75.00		130.00					91.00		120.00		23.00		30.00								
Aliphatic C5 – C35					150.00		240.00					140.00		160.00		23.00		53.00								
Aromatic C5 - C7					0.033		0.097					<0.01		<0.01		<0.01		<0.01								
Aromatic C7 - C8					0.011		<0.01					<0.01		<0.01		<0.01		<0.01								
Aromatic C8 – C10					<0.02		0.40					<0.02		<0.02		<0.02		<0.02								
Aromatic C10 – C12					23.00		23.00					<1		1.70		1.80		<1								
Aromatic C12 – C16					180.00		47.00					<2		18.00		<2		<2								
Aromatic C16 – C21					510.00		120.00					<10		150.00		<10		16.00								
Aromatic C21 – C35					310.00		370.00					51.0		290.00		<10		31.0								
Aromatic C5 – C35					1000.00		560.00					51.00		450.00		<10		47.00								
Chloromethane														<0.005		<0.005										
Chloroethane														<0.005		<0.005										
Bromomethane														<0.005		<0.005										
Vinyl chloride (Chloroethene)														<0.005		<0.005										
Trichlorofluoromethane														<0.005		<0.005										
1,1-Dichloroethene														<0.005		<0.005										
1,1,2-Trichloro 1,2,2-Trifluoroethane														<0.005		<0.005										
Trans 1,2 Dichloroethene														<0.005		<0.005										
1,1-Dichloroethane														<0.005		<0.005										
2,2-Dichloropropane														<0.005		<0.005										
Trichloromethane (Chloroform)														<0.005		<0.005										
1,1,1-Trichloroethane (TCA)														<0.005		<0.005										
1,2-Dichloroethane														<0.007		<0.007										
1,1-Dichloropropene														<0.005		<0.005										
Cis 1,2 Dichloroethene														<0.005		<0.005										
Carbon tetrachloride (Tetrachloromethane)														<0.005		<0.005										
1,2-Dichloropropane														<0.006		<0.006										
Trichloroethylene														<0.01		<0.01										
Dibromomethane														<0.005		<0.005										
Bromodichloromethane														<0.005		<0.005										
Cis-1,3-dichloropropene														<0.005		<0.005										
Trans-1,3-dichloropropene														<0.01		<0.01										
1,1,2 Trichloroethane														<0.006		<0.006										
1,3-Dichloropropane														<0.005		<0.005										
Dibromochloromethane														<0.005		<0.005										
Tetrachloroethylene														<0.005		<0.005										
1,2-Dibromoethane														<0.005		<0.005										
ChloroBenzene														<0.005		<0.005										
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)														<0.005		<0.005										
Styrene														<0.005		<0.005										
Bromoform														<0.005		<0.005										
Iso-propylbenzene														<0.005		<0.005										
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)														<0.005		<0.005										
Bromobenzene														<0.005		<0.005										
n-Propylbenzene														<0.005		<0.005										
2-Chlorotoluene														<0.005		<0.005										
4-Chlorotoluene														<0.005		<0.005										
1,3,5-Trimethylbenzene														<0.005		<0.005										
tert-Butylbenzene														<0.005		<0.005										
1,2,4-Trimethylbenzene														<0.005		<0.005										
sec-Butylbenzene														<0.005		<0.005										
1,3-dichlorobenzene																<0.2										
p-Isopropyltoluene														<0.005		<0.005										
1,4-dichlorobenzene																<0.2										
1,2-dichlorobenzene																<0.1										
Butylbenzene														<0.005		<0.005										
1,2-Dibromo-3-chloropropane														<0.008		<0.008										
1,2,4-trichlorobenzene																<0.3										
Hexachlorobutadiene																<0.1										
1,2,3-trichlorobenzene														<0.005		<0.005										
Aniline																<0.1										
2-chlorophenol																<0.1										
Bis(2-chloroethyl)ether																<0.2										
Bis(2-chloroisopropyl)ether																<0.1										
2-Methylphenol																<0.3										
Hexachloroethane																<0.05										
Nitrobenzene																<0.3										
4-Methylphenol																<0.2										
Isophorone																<0.2										
2-Nitrophenol																<0.3										
2,4-Dimethylphenol																<0.3										
Bis(2-chloroethoxy)methane																<0.3										
2,4-Dichlorophenol																<0.3										
4-Chloroaniline																<0.1										
4-Chloro-3-methylphenol																<0.1										
2,4,6-Trichlorophenol																<0.1										
2,4,5-Trichlorophenol																<0.2										
2-Methylnaphthalene																<0.1										
2-Chloronaphthalene																<0.1										
Dimethylphthalate																<0.1										
2,6-Dinitrotoluene																<0.1										
2,4-Dinitrotoluene																<0.2										
Dibenzofuran																<0.2										
4-Chlorophenyl phenyl ether																<0.3										
Diethyl phthalate																<0.2										
4-Nitroaniline																<0.2										
Azobenzene																<0.3										
Bromophenyl phenyl ether																<0.2										
Hexachlorobenzene																<0.3										
Carbazole																<0.3										
Dibutyl phthalate																<0.2										
Anthraquinone																<0.3										
Butyl benzyl phthalate																<0.3										
Coal Tar																										
Coal Tar Total Residue																										
PCB Congener 28				<0.001	<0.001																					
PCB Congener 52				<0.001	<0.001																					
PCB Congener 101				<0.001	<0.001																					
PCB Congener 118				<0.001	<0.001																					
PCB Congener 138				<0.001	<0.001																					
PCB Congener 153				<0.001	<0.001																					
PCB Congener 180				<0.001	<0.001																					
Total PCBs				<0.007	<0.007																					

MGR = Made Ground
WCM = Wolston Clay Member
WSG = Wolston Sand and Gravel
OM = Oadby Member

Table D: Soil Analytical Data (All Depths) - Area B

NUMBER OF SAMPLES: 191

Analytical Parameter	Units	Limit of detection	CRITERIA 1 (0)	CRITERIA 2 (0)	No. Analyses	CRITERIA 1 Exceedances	CRITERIA 2 Exceedances	Min	Mean	Max	Max ID
Stone Content	%	0.1			190			<0.1	<14	72.4	VW25-12
Moisture Content	%	0.01			190			<0.01	<14.24	52	VW25-21
Total mass of sample received	kg	0.1			190			0.1	0.6	0.9	VW25-11A
Asbestos in Soil	Detect	N/A			56			0	0	<0	n/a
Asbestos Quantification Total	%	0.001			17			<0.001	<0.004	0.018	MW25-27
pH	pH Units	N/A			188			4.2	8.5	11.8	MW25-22
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg.kg^{-1}	2.5			188			10	1164.8	6900	TP25-20
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg.L^{-1}	1.25			188			5.03	582.5	3460	TP25-20
Sulphide	mg.kg^{-1}	1			188			<1	<43.1	1000	MW25-25
Ammonium - Exchangeable as NH_4^+	mg.kg^{-1}	0.5			188			<0.5	<28.2	430	MW25-16A
Organic Matter	%	0.1			188			<0.1	<1.9	19	MW25-04A
Fraction Organic Carbon (FOC)	N/A	0.001			22			<0.001	<0.008	0.021	MW25-09C
Total Organic Carbon (TOC)	%	0.1			18			<0.1	<1.6	10	VW25-21
Loss on Ignition @ 450°C	%	0.2			188			<0.2	<3.3	76	MW25-04A
Cyanide (Total) (as CN)	mg.kg^{-1}	1			188			<1	<36.2	1200	MW25-14
Complexed cyanide	mg.kg^{-1}	1			188			<1	<35.8	1200	MW25-14
Easily liberatable cyanide	mg.kg^{-1}	1			188			<1	<1.3	12	TP25-20
Thiocyanate	mg.kg^{-1}	5			188			<5	<5.4	57	TP25-20
Chloride	mg.kg^{-1}	1			188			<1	<80.2	1100	TP25-20
Sulphur (Elemental)	mg.kg^{-1}	5			188			<5	<264.6	5100	TP25-20
Catechol	mg.kg^{-1}	0.1			188			<0.1	<0.1	0.39	MW25-27
Resorcinol	mg.kg^{-1}	0.1			188			<0.1	<0.1	0.56	MW25-13A
Cresols (Total)	mg.kg^{-1}	0.3			188			<0.3	<0.6	54	MW25-25
Naphthols	mg.kg^{-1}	0.2			188			<0.2	<0.3	16	MW25-25
2-Isopropylphenol	mg.kg^{-1}	0.1			188			<0.1	<0.1	<0.1	n/a
Phenol	mg.kg^{-1}	0.2			10			<0.2	<0.4	2.4	MW25-25
Xylenols and Ethylphenols (Total)	mg.kg^{-1}	0.4			188			<0.4	<1.5	170	MW25-25
Trimethylphenol (2,3,5-)	mg.kg^{-1}	0.1			188			<0.1	<0.1	<0.1	n/a
Phenols (Total)	mg.kg^{-1}	1.4			188			<1.4	<2.9	240	MW25-25
Naphthalene	mg.kg^{-1}	0.05			190			<0.05	<32.29	2400	MW25-25
Acenaphthylene	mg.kg^{-1}	0.05			190			<0.05	<7.23	760	MW25-25
Acenaphthene	mg.kg^{-1}	0.05			190			<0.05	<2.25	140	MW25-25
Fluorene	mg.kg^{-1}	0.05			190			<0.05	<6.55	650	MW25-25
Phenanthrene	mg.kg^{-1}	0.05			190			<0.05	<20.87	1900	MW25-25
Anthracene	mg.kg^{-1}	0.05			190			<0.05	<6.49	650	MW25-25
Fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<15.42	1200	MW25-25
Pyrene	mg.kg^{-1}	0.05			190			<0.05	<12.97	940	MW25-25
Benzo[a]anthracene	mg.kg^{-1}	0.05			190			<0.05	<6.17	450	MW25-25
Chrysene	mg.kg^{-1}	0.05			190			<0.05	<5.56	390	MW25-25
Benzo[b]fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<6.32	410	MW25-25
Benzo[k]fluoranthene	mg.kg^{-1}	0.05			190			<0.05	<2.61	170	MW25-25
Benzo[a]pyrene	mg.kg^{-1}	0.05			190			<0.05	<5.9	390	MW25-25
Indeno[1,2,3-cd]pyrene	mg.kg^{-1}	0.05			190			<0.05	<2.73	150	MW25-25
Dibenz(a,h)anthracene	mg.kg^{-1}	0.05			190			<0.05	<0.59	35	MW25-25
Benzo[ghi]perylene	mg.kg^{-1}	0.05			190			<0.05	<2.92	160	MW25-25
PAH 16 Total	mg.kg^{-1}	0.8			190			<0.8	<136.7	10800	MW25-25
Arsenic	mg.kg^{-1}	1			188			1.1	15.8	130	MW25-04A
Boron	mg.kg^{-1}	0.2			188			0.3	1.9	12	TP25-18
Cadmium	mg.kg^{-1}	0.2			188			<0.2	<0.2	1.4	TP25-22
Chromium (VI)	mg.kg^{-1}	1.2			188			<1.2	<1.2	1.6	MW25-31A
Chromium (Total)	mg.kg^{-1}	1			188			1.9	25.7	690	TP25-10
Copper	mg.kg^{-1}	1			188			3.7	32.9	180	MW25-15C
Lead	mg.kg^{-1}	1			188			1.7	92.3	5400	MW25-19A
Mercury (inorganic)	mg.kg^{-1}	0.3			188			<0.3	<0.9	55	MW25-33
Nickel	mg.kg^{-1}	1			188			2.2	20.4	99	MW25-15C
Selenium	mg.kg^{-1}	1			188			<1	<1.3	24	MW25-04A
Zinc	mg.kg^{-1}	1			188			9.6	81.7	610	MW25-35
Benzene	mg.kg^{-1}	0.005			160			<0.005	<1.078	46	MW25-25
Toluene	mg.kg^{-1}	0.005			160			<0.005	<1.242	42	MW25-25
Ethylbenzene	mg.kg^{-1}	0.005			160			<0.005	<1.165	37	MW25-20
Xylene (p & m-Xylene)	mg.kg^{-1}	0.008			160			<0.008	<2.478	100	MW25-20
Xylene (o-Xylene)	mg.kg^{-1}	0.005			160			<0.005	<1.593	67	MW25-20
Methyl tert-butyl ether	mg.kg^{-1}	0.005			60			<0.005	<0.005	<0.005	n/a
TPH (C10 - C40)	mg.kg^{-1}	10			133			<10	<96.7	1,200	MW25-20
Aliphatic C5 - C6	mg.kg^{-1}	0.01			64			<0.01	<0.02	0	VW25-18
Aliphatic C6 - C8	mg.kg^{-1}	0.01			64			<0.01	<0.63	28	MW25-20
Aliphatic C8 – C10	mg.kg^{-1}	0.01			64			<0.01	<3.45	120	MW25-20
Aliphatic C10 – C12	mg.kg^{-1}	1			64			<1	<15.9	220	MW25-20
Aliphatic C12 – C16	mg.kg^{-1}	2			64			<2	<67.6	960	MW25-20
Aliphatic C16 – C21	mg.kg^{-1}	8			64			<8	<77.9	1000	VW25-18
Aliphatic C21 – C35	mg.kg^{-1}	8			64			<8	<90.2	840	TP25-10
Aliphatic C5 – C35	mg.kg^{-1}	10			64			<10	<253.9	2100	VW25-18
Aromatic C5 - C7	mg.kg^{-1}	0.01			64			<0.01	<2.39	46	MW25-25
Aromatic C7 - C8	mg.kg^{-1}	0.01			64			<0.01	<3.13	42	MW25-25
Aromatic C8 – C10	mg.kg^{-1}	0.02			64			<0.02	<14.93	250	MW25-20
Aromatic C10 – C12	mg.kg^{-1}	1			64			<1	<85	1800	MW25-25
Aromatic C12 – C16	mg.kg^{-1}	2			64			<2	<180	3500	MW25-25
Aromatic C16 – C21	mg.kg^{-1}	10			64			<10	<279.7	6000	MW25-25
Aromatic C21 – C35	mg.kg^{-1}	10			64			<10	<209.3	4200	MW25-25
Aromatic C5 – C35	mg.kg^{-1}	10			64			<10	<769.8	16000	MW25-25
Chloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Chloroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromomethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Vinyl chloride (Chloroethene)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trichlorofluoromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1-Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trans 1,2 Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1-Dichloroethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
2,2-Dichloropropane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trichloromethane (Chloroform)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,1-Trichloroethane (TCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dichloroethane	mg.kg^{-1}	0.007			23			<0.007	<0.007	<0.007	n/a
1,1-Dichloropropene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Cis 1,2 Dichloroethene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Carbon tetrachloride (Tetrachloromethane)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dichloropropane	mg.kg^{-1}	0.006			23			<0.006	<0.006	<0.006	n/a
Trichloroethylene	mg.kg^{-1}	0.01			23			<0.01	<0.01	<0.01	n/a
Dibromomethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromodichloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Cis-1,3-dichloropropene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Trans-1,3-dichloropropene	mg.kg^{-1}	0.01			23			<0.01	<0.01	<0.01	n/a
1,1,2 Trichloroethane	mg.kg^{-1}	0.006			23			<0.006	<0.006	<0.006	n/a
1,3-Dichloropropane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Dibromochloromethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Tetrachloroethylene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2-Dibromoethane	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
ChloroBenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Styrene	mg.kg^{-1}	0.005			23			<0.005	<1.301	29	MW25-25
Bromoform	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Iso-propylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.21	1.1	VW25-18
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Bromobenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
n-Propylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.445	2.4	MW25-14
2-Chlorotoluene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
4-Chlorotoluene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,3,5-Trimethylbenzene	mg.kg^{-1}	0.005			23			<0.005	<1.82	7.6	MW25-16A
tert-Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,2,4-Trimethylbenzene	mg.kg^{-1}	0.005			23			<0.005	<5.35	27	MW25-14
sec-Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
1,3-dichlorobenzene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
p-Isopropyltoluene	mg.kg^{-1}	0.005			23			<0.005	<0.17	1.3	MW25-14
1,4-dichlorobenzene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
1,2-dichlorobenzene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Butylbenzene	mg.kg^{-1}	0.005			23			<0.005	<0.055	0.79	VW25-18
1,2-Dibromo-3-chloropropane	mg.kg^{-1}	0.008			23			<0.008	<0.008	<0.008	n/a
1,2,4-trichlorobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Hexachlorobutadiene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
1,2,3-trichlorobenzene	mg.kg^{-1}	0.005			23			<0.005	<0.005	<0.005	n/a
Aniline	mg.kg^{-1}	0.1			10			<0.1	<0.1	0.4	VW25-18
2-chlorophenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Bis(2-chloroethyl)ether	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Bis(2-chloroisopropyl)ether	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2-Methylphenol	mg.kg^{-1}	0.3			10			<0.3	<5.8	55	MW25-25
Hexachloroethane	mg.kg^{-1}	0.05			10			<0.05	<0.05	<0.05	n/a
Nitrobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
4-Methylphenol	mg.kg^{-1}	0.2			10			<0.2	<9.3	91	MW25-25
Isophorone	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
2-Nitrophenol	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
2,4-Dimethylphenol	mg.kg^{-1}	0.3			10			<0.3	<22.3	220	MW25-25
Bis(2-chloroethoxy)methane	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
2,4-Dichlorophenol	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
4-Chloroaniline	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
4-Chloro-3-methylphenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4,6-Trichlorophenol	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4,5-Trichlorophenol	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
2-Methylnaphthalene	mg.kg^{-1}	0.1			10			<0.1	<74.4	620	MW25-25
2-Chloronaphthalene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
Dimethylphthalate	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,6-Dinitrotoluene	mg.kg^{-1}	0.1			10			<0.1	<0.1	<0.1	n/a
2,4-Dinitrotoluene	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Dibenzofuran	mg.kg^{-1}	0.2			10			<0.2	<57.8	550	MW25-25
4-Chlorophenyl phenyl ether	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Diethyl phthalate	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
4-Nitroaniline	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Azobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Bromophenyl phenyl ether	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Hexachlorobenzene	mg.kg^{-1}	0.3			10			<0.3	<0.3	<0.3	n/a
Carbazole	mg.kg^{-1}	0.3			10			<0.3	<33.2	320	MW25-25
Dibutyl phthalate	mg.kg^{-1}	0.2			10			<0.2	<0.2	<0.2	n/a
Anthraquinone	mg.kg^{-1}	0.3			10			<0.3	<2.4	14	MW25-25
Butyl benzyl phthalate	mg.kg^{-1}	0.3			10			<0.3	<0.5	1.8	MW25-14
Coal Tar		N/A			2			0	0	0	MW25-12
Coal Tar Total Residue	mg.kg^{-1}	10			2			1600	2500	3400	MW25-12
PCB Congener 28	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 52	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 101	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 118	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 138	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 153	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
PCB Congener 180	mg.kg^{-1}	0.001			2			<0.001	<0.001	<0.001	n/a
Total PCBs	mg.kg^{-1}	0.007			2			<0.007	<0.007	<0.007	n/a

Sample Location	MW25-24	MW25-24-DUP	VW25-08	VW25-08	VW25-09	VW25-09	VW25-10	VW25-13	VW25-13	VW25-15	VW25-15	MW25-05A
Depth (m bgl)	6.20	6.20	0.30	0.80	0.30	0.70	0.25	0.30	1.35	0.25	0.75	0.02
Date Sampled	18/02/2025	18/02/2025	11/02/2025	11/02/2025	12/02/2025	12/02/2025	12/02/2025	13/02/2025	13/02/2025	17/02/2025	17/02/2025	05/02/2025
Stratum	WSG	WSG	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR
Stone Content	<0.1	<0.1	41.80	<0.1	70.50	19.30	32.10	30.40	<0.1	<0.1	39.10	<0.1
Moisture Content	15.00	16.00	13.00	15.00	4.50	14.00	12.00	6.40	13.00	12.00	11.00	1.70
Total mass of sample received	0.50	0.10	0.80	0.70	0.70	0.80	0.70	0.60	0.60	0.60	0.50	0.80
Asbestos in Soil	-	-	Detected	-	Detected	-	Not-detected	-	-	Not-detected	-	-
Asbestos Quantification Total			0.0070		<0.001							
pH	8.50	8.10	8.80	7.90	8.10	7.60	9.90	9.00	7.90	8.00	10.90	
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	37.00	91.00	90.00	760.00	85.00	3000.00	660.00	220.00	2900.00	30.00	180.00	
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	18.60	45.50	44.80	378.00	42.60	1510.00	328.00	112.00	1460.00	15.20	90.40	
Sulphide	7.10	130.00	2.40	11.00	<1	1.70	2.00	<1	1.80	2.00	18.00	
Ammonium - Exchangeable as NH_4^+	<0.5	<0.5	<0.5	1.70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Organic Matter	<0.1	<0.1	4.20	1.90	<0.1	2.90	2.40	0.30	2.40	0.70	3.00	
Fraction Organic Carbon (FOC)	<0.001											
Total Organic Carbon (TOC)									1.40		1.70	
Loss on Ignition @ 450°C	0.50	0.30	9.60	3.10	1.0	4.90	4.40	0.70	3.20	1.90	4.30	
Cyanide (Total) (as CN)	<1	<1	2.40	1.0	1.80	670.00	<1	<1	3.20	<1	<1	
Complexed cyanide	<1	<1	2.40	1.0	1.80	660.00	<1	<1	3.20	<1	<1	
Easily liberatable cyanide	<1	<1	<1	<1	<1	8.20	1.20	<1	<1	<1	<1	
Thiocyanate	<5	<5	<5	<5	<5	5.50	<5	<5	<5	<5	<5	
Chloride	25.00	22.00	8.50	220.00	3.10	15.00	55.00	18.00	8.70	5.50	20.00	
Sulphur (Elemental)	<5	<5	12.00	110.00	8.30	48.00	8.70	<5	<5	<5	<5	
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	
Naphthalene	0.070	<0.05	2.50	<0.05	0.17	0.33	<0.05	0.060	1.70	0.11	2.10	<0.05
Acenaphthylene	<0.05	<0.05	3.70	0.080	<0.05	0.66	0.24	0.050	1.60	0.13	3.60	0.13
Acenaphthene	<0.05	<0.05	0.32	<0.05	<0.05	0.86	<0.05	<0.05	0.40	0.080	4.20	<0.05
Fluorene	<0.05	<0.05	0.55	<0.05	<0.05	0.65	0.050	<0.05	0.97	0.28	3.50	<0.05
Phenanthrene	<0.05	0.16	5.80	0.30	0.24	12.00	0.35	0.26	12.00	2.00	40.00	<0.05
Anthracene	<0.05	0.12	2.10	0.11	0.070	3.50	0.12	0.060	3.40	0.52	12.00	0.13
Fluoranthene	<0.05	0.22	13.00	0.63	0.62	26.00	1.50	0.61	32.00	2.20	83.00	1.10
Pyrene	<0.05	0.17	12.00	0.56	0.51	22.00	2.00	0.50	28.00	1.90	76.00	1.60
Benzo[a]anthracene	<0.05	0.18	5.50	0.28	0.27	13.00	0.89	0.32	19.00	0.93	50.00	0.63
Chrysene	<0.05	0.14	6.10	0.30	0.27	12.00	0.82	0.36	17.00	0.94	42.00	1.10
Benzo[b]fluoranthene	<0.05	0.13	9.90	0.38	0.36	18.00	1.0	0.49	23.00	0.91	62.00	1.40
Benzo[k]fluoranthene	<0.05	<0.05	2.90	0.12	0.16	5.70	0.44	0.11	9.40	0.42	29.00	0.47
Benzo[a]pyrene	<0.05	0.080	7.70	0.28	0.33	15.00	1.10	0.35	20.00	0.82	62.00	1.0
Indeno[1,2,3-cd]pyrene	<0.05	<0.05	6.50	0.18	0.17	8.30	0.50	0.20	9.00	0.39	33.00	0.60
Dibenz(a,h)anthracene	<0.05	<0.05	1.0	<0.05	<0.05	1.60	0.10	<0.05	2.70	0.10	6.10	0.31
Benzo[ghi]perylene	<0.05	<0.05	7.50	0.17	0.19	8.50	0.58	0.23	9.10	0.49	38.00	0.67
PAH 16 Total	<0.8	1.20	87.10	3.37	3.36	149.00	9.75	3.62	190.00	12.10	546.00	9.02
Arsenic	4.00	3.90	57.00	11.00	15.00	27.00	12.00	9.70	22.00	6.60	9.10	
Boron	0.60	0.80	1.60	1.50	0.70	0.70	0.60	0.70	2.40	0.80	1.20	
Cadmium	0.20	0.20	<0.2	<0.2	0.30	<0.2	0.40	<0.2	<0.2	<0.2	<0.2	
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	
Chromium (Total)	7.40	5.90	38.00	16.00	13.00	25.00	23.00	15.00	37.00	24.00	18.00	
Copper	8.80	9.90	55.00	27.00	14.00	62.00	60.00	23.00	41.00	21.00	39.00	
Lead	5.10	4.90	220.00	94.00	9.40	150.00	74.00	11.00	110.00	21.00	84.00	
Mercury (inorganic)	<0.3	<0.3	1.80	<0.3	<0.3	0.30	<0.3	<0.3	0.30	<0.3	<0.3	
Nickel	8.00	7.60	36.00	15.00	11.00	20.00	22.00	12.00	29.00	22.00	22.00	
Selenium	<1	<1	1.80	<1	<1	<1	<1	<1	<1	<1	<1	
Zinc	35.00	34.00	150.00	63.00	70.00	65.00	130.00	46.00	70.00	63.00	95.00	
Benzene	<0.005	<0.005		<0.005		<0.005		<0.005	<0.005	<0.005	0.0060	
Toluene	<0.005	<0.005		<0.005		<0.005		<0.005	<0.005	<0.005	0.0070	
Ethylbenzene	<0.005	<0.005		<0.005		<0.005		<0.005	<0.005	<0.005	<0.005	
Xylene (p & m-Xylene)	<0.008	<0.008		<0.008		<0.008		<0.008	<0.008	<0.008	<0.008	
Xylene (o-Xylene)	<0.005	<0.005		<0.005		<0.005		<0.005	<0.005	<0.005	<0.005	
Methyl tert-butyl ether				<0.005		<0.005			<0.005		<0.005	
TPH (C10 - C40)	<10	<10	300.00	<10	<10		59.00	<10	420.00	<10	480.00	
Aliphatic C5 - C6						<0.01			<0.01		<0.01	
Aliphatic C6 - C8						<0.01			<0.01		<0.01	
Aliphatic C8 – C10						<0.01			<0.01		<0.01	
Aliphatic C10 – C12						<1			<1		<1	
Aliphatic C12 – C16						6.80			5.10		<2	
Aliphatic C16 – C21						21.00			11.00		<8	
Aliphatic C21 – C35						59.00			23.00		<8	
Aliphatic C5 – C35						87.00			39.00		<10	
Aromatic C5 - C7						<0.01			<0.01		<0.01	
Aromatic C7 - C8						<0.01			<0.01		<0.01	
Aromatic C8 – C10						<0.02			<0.02		<0.02	
Aromatic C10 – C12						<1			5.50		<1	
Aromatic C12 – C16						15.00			21.00		19.00	
Aromatic C16 – C21						130.00			130.00		200.00	
Aromatic C21 – C35						230.0			200.00		250.0	
Aromatic C5 – C35						370.00			370.00		470.00	
Chloromethane				<0.005		<0.005						
Chloroethane				<0.005		<0.005						
Bromomethane				<0.005		<0.005						
Vinyl chloride (Chloroethene)				<0.005		<0.005						
Trichlorofluoromethane				<0.005		<0.005						
1,1-Dichloroethene				<0.005		<0.005						
1,1,2-Trichloro 1,2,2-Trifluoroethane				<0.005		<0.005						
Trans 1,2 Dichloroethene				<0.005		<0.005						
1,1-Dichloroethane				<0.005		<0.005						
2,2-Dichloropropane				<0.005		<0.005						
Trichloromethane (Chloroform)				<0.005		<0.005						
1,1,1-Trichloroethane (TCA)				<0.005		<0.005						
1,2-Dichloroethane				<0.007		<0.007						
1,1-Dichloropropene				<0.005		<0.005						
Cis 1,2 Dichloroethene				<0.005		<0.005						
Carbon tetrachloride (Tetrachloromethane)				<0.005		<0.005						
1,2-Dichloropropane				<0.006		<0.006						
Trichloroethylene				<0.01		<0.01						
Dibromomethane				<0.005		<0.005						
Bromodichloromethane				<0.005		<0.005						
Cis-1,3-dichloropropene				<0.005		<0.005						
Trans-1,3-dichloropropene				<0.01		<0.01						
1,1,2 Trichloroethane				<0.006		<0.006						
1,3-Dichloropropane				<0.005		<0.005						
Dibromochloromethane				<0.005		<0.005						
Tetrachloroethylene				<0.005		<0.005						
1,2-Dibromoethane				<0.005		<0.005						
ChloroBenzene				<0.005		<0.005						
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)				<0.005		<0.005						
Styrene				<0.005		<0.005						
Bromoform				<0.005		<0.005						
Iso-propylbenzene				<0.005		<0.005						
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)				<0.005		<0.005						
Bromobenzene				<0.005		<0.005						
n-Propylbenzene				<0.005		<0.005						
2-Chlorotoluene				<0.005		<0.005						
4-Chlorotoluene				<0.005		<0.005						
1,3,5-Trimethylbenzene				<0.005		<0.005						
tert-Butylbenzene				<0.005		<0.005						
1,2,4-Trimethylbenzene				<0.005		<0.005						
sec-Butylbenzene				<0.005		<0.005						
p-Isopropyltoluene				<0.005		<0.005						
Butylbenzene				<0.005		<0.005						
1,2-Dibromo-3-chloropropane				<0.008		<0.008						
1,2,3-trichlorobenzene				<0.005		<0.005						
Coal Tar												0
Coal Tar Total Residue												1600.00

Sample Location	MW25-05A	MW25-05A	MW25-05A	MW25-01	MW25-01	MW25-01	VW25-22	MW25-09C	MW25-09C	MW25-09C	MW25-15A	MW25-15C
Depth (m bgl)	0.80	1.50	3.40	0.45	1.40	3.80	0.35	0.10	8.40	9.65	0.30	0.70
Date Sampled	05/02/2025	05/02/2025	05/02/2025	03/02/2025	03/02/2025	03/02/2025	20/02/2025	07/02/2025	07/02/2025	07/02/2025	12/02/2025	25/02/2025
Stratum	MGR	MGR	WSG	MGR	WSG	WCM	MGR	MGR	MGR	WCM	MGR	MGR
Stone Content	27.80	<0.1	<0.1	10.60	<0.1	<0.1	70.50	<0.1	<0.1	<0.1	35.10	<0.1
Moisture Content	11.00	21.00	22.00	28.00	19.00	18.00	5.10	10.00	22.00	15.00	20.00	15.00
Total mass of sample received	0.60	0.60	0.60	0.60	0.60	0.60	0.80	0.60	0.60	0.60	0.80	0.60
Asbestos in Soil	Not-detected	-	-	Not-detected	-	-	-	Detected	-	-	Not-detected	Not-detected
Asbestos Quantification Total								<0.001				
pH	10.40	7.40	8.50	8.10	8.20	8.30	11.20	7.90	8.10	8.10	7.60	7.60
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	4300.00	4200.00	190.00	530.00	74.00	450.00	110.00	3600.00	360.00	170.00	170.00	3100.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	2150.00	2090.00	94.40	263.00	36.90	223.00	57.20	1810.00	180.00	83.30	86.80	1550.00
Sulphide	70.00	110.00	9.10	71.00	6.80	100.00	<1	6.30	130.00	110.00	12.00	52.00
Ammonium - Exchangeable as NH_4^+	27.00	47.00	24.00	70.00	13.00	0.70	<0.5	<0.5	23.00	2.40	<0.5	<0.5
Organic Matter	2.60	6.70	1.0	7.80	0.30	1.70	0.30	2.10	3.60	2.60	2.30	4.90
Fraction Organic Carbon (FOC)			0.0056		0.0019				0.021			
Total Organic Carbon (TOC)							0.20					
Loss on Ignition @ 450°C	3.70	11.00	1.50	9.10	0.80	1.80	1.0	3.40	4.20	2.90	4.10	8.80
Cyanide (Total) (as CN)	130.00	100.00	<1	82.00	<1	<1	<1	21.00	10.00	<1	2.60	81.00
Complexed cyanide	130.00	100.00	<1	82.00	<1	<1	<1	21.00	10.00	<1	2.60	81.00
Easily liberatable cyanide	1.30	1.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thiocyanate	5.20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride	330.00	470.00	54.00	110.00	54.00	46.00	24.00	4.80	130.00	25.00	9.20	80.00
Sulphur (Elemental)	670.00	2400.00	33.00	2000.00	8.10	9.40	10.00	18.00	330.00	7.90	49.00	130.00
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Naphthalene	0.84	27.00	<0.05	4.40	<0.05	<0.05	0.050	1.40	33.00	0.16	0.070	28.00
Acenaphthylene	3.30	1.10	<0.05	1.10	<0.05	<0.05	<0.05	0.71	0.41	<0.05	0.12	1.90
Acenaphthene	1.50	1.10	<0.05	2.40	<0.05	<0.05	<0.05	0.32	0.69	<0.05	<0.05	0.97
Fluorene	5.10	2.00	<0.05	1.60	<0.05	<0.05	<0.05	0.48	1.70	<0.05	<0.05	1.20
Phenanthrene	35.00	8.90	<0.05	4.70	<0.05	<0.05	0.10	5.90	6.70	<0.05	0.75	6.00
Anthracene	9.70	2.90	<0.05	1.60	<0.05	<0.05	<0.05	1.50	2.50	<0.05	0.27	1.90
Fluoranthene	36.00	12.00	<0.05	6.60	<0.05	<0.05	0.13	11.00	9.00	<0.05	2.50	9.30
Pyrene	29.00	11.00	<0.05	6.00	<0.05	<0.05	0.13	9.70	7.60	<0.05	2.20	8.60
Benzo[a]anthracene	13.00	5.50	<0.05	2.60	<0.05	<0.05	0.080	5.60	4.90	<0.05	1.40	6.90
Chrysene	13.00	5.40	<0.05	2.90	<0.05	<0.05	0.080	5.40	4.70	<0.05	1.40	6.30
Benzo[b]fluoranthene	15.00	7.00	<0.05	4.00	<0.05	<0.05	0.13	8.00	6.00	<0.05	1.70	10.00
Benzo[k]fluoranthene	7.00	3.20	<0.05	2.10	<0.05	<0.05	<0.05	3.10	2.10	<0.05	0.51	4.50
Benzo[a]pyrene	15.00	6.10	<0.05	3.50	<0.05	<0.05	0.13	6.80	5.50	<0.05	1.20	10.00
Indeno[1,2,3-cd]pyrene	6.50	2.90	<0.05	2.00	<0.05	<0.05	0.080	3.90	2.60	<0.05	0.75	6.80
Dibenz(a,h)anthracene	1.50	0.63	<0.05	0.32	<0.05	<0.05	<0.05	0.72	0.52	<0.05	0.16	<0.05
Benzo[ghi]perylene	6.80	3.10	<0.05	2.30	<0.05	<0.05	0.10	4.20	2.60	<0.05	0.67	6.80
PAH 16 Total	198.00	100.00	<0.8	48.10	<0.8	<0.8	1.01	68.90	90.90	<0.8	13.70	109.00
Arsenic	17.00	83.00	5.00	24.00	2.90	14.00	13.00	24.00	9.70	13.00	8.70	17.00
Boron	1.70	3.90	0.70	6.40	0.90	0.70	0.60	0.60	3.90	1.10	1.10	4.50
Cadmium	<0.2	<0.2	0.20	<0.2	0.60	<0.2	<0.2	<0.2	<0.2	<0.2	0.30	0.70
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)	23.00	24.00	16.00	52.00	8.80	18.00	16.00	26.00	22.00	41.00	20.00	25.00
Copper	31.00	89.00	25.00	100.00	11.00	21.00	14.00	58.00	24.00	24.00	23.00	180.00
Lead	80.00	520.00	11.00	62.00	5.50	14.00	11.00	370.00	45.00	15.00	22.00	410.00
Mercury (inorganic)	0.40	<0.3	<0.3	0.40	<0.3	<0.3	<0.3	2.40	<0.3	<0.3	<0.3	0.70
Nickel	19.00	57.00	18.00	23.00	26.00	19.00	13.00	28.00	20.00	35.00	17.00	99.00
Selenium	<1	5.40	3.90	1.70	<1	<1	<1	<1	1.70	<1	<1	2.50
Zinc	76.00	130.00	53.00	120.00	71.00	54.00	73.00	130.00	59.00	74.00	57.00	180.00
Benzene	<0.005	0.25	<0.005				<0.005	<0.005	0.14	<0.005		<0.005
Toluene	<0.005	0.30	<0.005				<0.005	<0.005	0.088	0.012		<0.005
Ethylbenzene	<0.005	1.20	<0.005				<0.005	<0.005	7.20	0.0060		<0.005
Xylene (p & m-Xylene)	<0.008	0.64	<0.008				<0.008	<0.008	0.82	<0.008		<0.008
Xylene (o-Xylene)	<0.005	0.86	<0.005				<0.005	<0.005	0.19	<0.005		<0.005
Methyl tert-butyl ether	<0.005	<0.005							<0.005	<0.005		
TPH (C10 - C40)			<10		<10	<10	<10	93.00			23.00	88.00
Aliphatic C5 - C6	<0.01	<0.01		<0.01					<0.01	<0.01		
Aliphatic C6 - C8	<0.01	0.40		<0.01					0.21	<0.01		
Aliphatic C8 – C10	<0.01	4.20		0.31					0.21	<0.01		
Aliphatic C10 – C12	<1	21.00		5.40					2.30	<1		
Aliphatic C12 – C16	14.00	65.00		50.00					4.20	<2		
Aliphatic C16 – C21	34.00	76.00		63.00					<8	<8		
Aliphatic C21 – C35	53.00	150.00		150.00					<8	<8		
Aliphatic C5 – C35	100.00	320.00		270.00					<10	<10		
Aromatic C5 - C7	<0.01	0.27		<0.01					0.20	<0.01		
Aromatic C7 - C8	<0.01	0.44		<0.01					0.23	0.012		
Aromatic C8 – C10	<0.02	7.50		0.26					12.00	0.022		
Aromatic C10 – C12	1.10	36.00		4.30					48.00	<1		
Aromatic C12 – C16	17.00	33.00		26.00					77.00	<2		
Aromatic C16 – C21	88.00	53.00		56.00					180.00	<10		
Aromatic C21 – C35	120.00	69.00		96.00					210.00	<10		
Aromatic C5 – C35	230.00	200.00		180.00					530.00	<10		

Sample Location	MW25-15C	MW25-15C	MW25-15C-DUP	VW25-16A	VW25-16A	VW25-17	VW25-17	VW25-19A	VW25-19A	VW25-25	VW25-25
Depth (m bgl)	7.65	8.80	8.80	0.25	0.50	0.25	1.00	0.20	0.85	0.20	0.80
Date Sampled	25/02/2025	25/02/2025	25/02/2025	18/02/2025	18/02/2025	18/02/2025	18/02/2025	19/02/2025	19/02/2025	21/02/2025	21/02/2025
Stratum	WSG	WSG	WSG	MGR	MGR	MGR	MGR	MGR	MGR	MGR	WSG
Stone Content	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	22.30	3.90	61.00	<0.1
Moisture Content	15.00	15.00	16.00	8.50	11.00	15.00	15.00	14.00	15.00	15.00	13.00
Total mass of sample received	0.50	0.60	0.50	0.50	0.60	0.50	0.60	0.50	0.40	0.80	0.80
Asbestos in Soil	-	-	-	Not-detected	-	Not-detected	-	Detected	-	Detected	-
Asbestos Quantification Total								<0.001		<0.001	
pH	8.70	8.40	8.80	8.40	8.20	7.50	8.40	8.20	7.40	10.90	8.00
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	64.00	75.00	81.00	16.00	50.00	340.00	270.00	110.00	720.00	280.00	66.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	32.20	37.60	40.50	8.14	24.80	172.00	133.00	56.80	361.00	138.00	33.20
Sulphide	4.90	18.00	11.00	2.40	7.70	3.00	2.90	15.00	2.40	3.90	1.80
Ammonium - Exchangeable as NH_4^+	8.00	10.00	11.00	<0.5	<0.5	1.70	130.00	<0.5	<0.5	<0.5	<0.5
Organic Matter	0.10	<0.1	<0.1	0.40	0.30	1.0	0.40	1.70	0.80	2.90	0.40
Total Organic Carbon (TOC)					0.20	0.60			0.50	1.70	
Loss on Ignition @ 450°C	0.40	0.40	0.40	0.90	1.60	2.20	2.90	3.40	1.90	4.30	1.30
Cyanide (Total) (as CN)	<1	<1	<1	<1	<1	18.00	<1	3.20	<1	5.80	<1
Complexed cyanide	<1	<1	<1	<1	<1	18.00	<1	3.20	<1	5.80	<1
Easily liberatable cyanide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thiocyanate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride	12.00	7.10	7.70	4.20	11.00	180.00	160.00	6.70	2.50	120.00	5.30
Sulphur (Elemental)	49.00	18.00	17.00	<5	<5	10.00	8.40	20.00	7.70	12.00	<5
Catechol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols (Total)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthols	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenols and Ethylphenols (Total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Naphthalene	<0.05	<0.05	<0.05	<0.05	0.24	0.66	0.93	0.23	0.060	0.31	<0.05
Acenaphthylene	<0.05	<0.05	<0.05	0.31	0.17	0.060	0.070	0.41	0.15	0.18	<0.05
Acenaphthene	<0.05	<0.05	<0.05	0.070	<0.05	<0.05	<0.05	0.13	<0.05	0.20	<0.05
Fluorene	<0.05	<0.05	<0.05	0.17	0.12	<0.05	<0.05	0.12	0.10	0.17	<0.05
Phenanthrene	<0.05	<0.05	<0.05	1.70	1.30	0.14	0.080	3.90	1.60	2.30	<0.05
Anthracene	<0.05	<0.05	<0.05	0.55	0.37	<0.05	<0.05	1.0	0.55	0.57	<0.05
Fluoranthene	<0.05	<0.05	<0.05	3.10	2.00	0.26	0.060	7.40	3.50	3.80	<0.05
Pyrene	<0.05	<0.05	<0.05	3.10	2.00	0.22	<0.05	6.10	3.00	3.20	<0.05
Benzo[a]anthracene	<0.05	<0.05	<0.05	2.10	1.40	0.15	<0.05	4.10	1.70	2.10	<0.05
Chrysene	<0.05	<0.05	<0.05	2.10	1.50	0.14	<0.05	4.10	1.60	2.00	<0.05
Benzo[b]fluoranthene	<0.05	<0.05	<0.05	1.70	1.20	0.23	<0.05	5.70	1.80	2.50	<0.05
Benzo[k]fluoranthene	<0.05	<0.05	<0.05	0.97	0.70	0.060	<0.05	2.50	0.76	0.87	<0.05
Benzo[a]pyrene	<0.05	<0.05	<0.05	1.70	1.10	0.16	<0.05	4.50	1.60	1.90	<0.05
Indeno[1,2,3-cd]pyrene	<0.05	<0.05	<0.05	0.65	0.39	0.10	<0.05	2.90	0.79	1.0	<0.05
Dibenz(a,h)anthracene	<0.05	<0.05	<0.05	0.18	0.11	<0.05	<0.05	0.75	0.16	0.31	<0.05
Benzo[ghi]perylene	<0.05	<0.05	<0.05	0.85	0.47	0.11	<0.05	3.10	0.73	1.20	<0.05
PAH 16 Total	<0.8	<0.8	<0.8	19.20	12.90	2.27	1.14	47.00	18.00	22.50	<0.8
Arsenic	3.20	2.20	2.30	3.70	5.90	7.70	12.00	27.00	8.60	23.00	7.00
Boron	0.60	0.70	0.60	0.70	1.0	1.10	1.30	0.80	2.10	1.70	1.80
Cadmium	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (VI)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)	5.00	6.10	6.80	11.00	16.00	20.00	36.00	20.00	22.00	35.00	18.00
Copper	6.20	8.10	9.40	9.10	12.00	19.00	20.00	36.00	21.00	67.00	14.00
Lead	5.00	5.10	4.10	4.80	17.00	32.00	13.00	83.00	25.00	81.00	17.00
Mercury (inorganic)	<0.3	<0.3	<0.3	<0.3	<0.3	0.40	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	7.30	7.00	7.70	6.30	9.20	13.00	30.00	22.00	21.00	35.00	14.00
Selenium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Zinc	26.00	23.00	24.00	20.00	41.00	64.00	60.00	60.00	54.00	120.00	46.00
Benzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.011	<0.005	<0.005	<0.005	<0.005
Toluene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.025	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Xylene (p & m-Xylene)	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
Xylene (o-Xylene)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methyl tert-butyl ether	<0.005				<0.005				<0.005		
TPH (C10 - C40)		<10	<10	60.00	22.00	<10	<10	53.00	15.00	22.00	<10
Aliphatic C5 - C6	<0.01										
Aliphatic C6 - C8	<0.01										
Aliphatic C8 – C10	<0.01										
Aliphatic C10 – C12	<1										
Aliphatic C12 – C16	<2										
Aliphatic C16 – C21	<8										
Aliphatic C21 – C35	<8										
Aliphatic C5 – C35	<10										
Aromatic C5 - C7	<0.01										
Aromatic C7 - C8	<0.01										
Aromatic C8 – C10	<0.02										
Aromatic C10 – C12	<1										
Aromatic C12 – C16	<2										
Aromatic C16 – C21	<10										
Aromatic C21 – C35	<10										
Aromatic C5 – C35	<10										
Chloromethane					<0.005				<0.005		
Chloroethane					<0.005				<0.005		
Bromomethane					<0.005				<0.005		
Vinyl chloride (Chloroethene)					<0.005				<0.005		
Trichlorofluoromethane					<0.005				<0.005		
1,1-Dichloroethene					<0.005				<0.005		
1,1,2-Trichloro 1,2,2-Trifluoroethane					<0.005				<0.005		
Trans 1,2 Dichloroethene					<0.005				<0.005		
1,1-Dichloroethane					<0.005				<0.005		
2,2-Dichloropropane					<0.005				<0.005		
Trichloromethane (Chloroform)					<0.005				<0.005		
1,1,1-Trichloroethane (TCA)					<0.005				<0.005		
1,2-Dichloroethane					<0.007				<0.007		
1,1-Dichloropropene					<0.005				<0.005		
Cis 1,2 Dichloroethene					<0.005				<0.005		
Carbon tetrachloride (Tetrachloromethane)					<0.005				<0.005		
1,2-Dichloropropane					<0.006				<0.006		
Trichloroethylene					<0.01				<0.01		
Dibromomethane					<0.005				<0.005		
Bromodichloromethane					<0.005				<0.005		
Cis-1,3-dichloropropene					<0.005				<0.005		
Trans-1,3-dichloropropene					<0.01				<0.01		
1,1,2 Trichloroethane					<0.006				<0.006		
1,3-Dichloropropane					<0.005				<0.005		
Dibromochloromethane					<0.005				<0.005		
Tetrachloroethylene					<0.005				<0.005		
1,2-Dibromoethane					<0.005				<0.005		
ChloroBenzene					<0.005				<0.005		
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)					<0.005				<0.005		
Styrene					<0.005				<0.005		
Bromoform					<0.005				<0.005		
Iso-propylbenzene					<0.005				<0.005		
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)					<0.005				<0.005		
Bromobenzene					<0.005				<0.005		
n-Propylbenzene					<0.005				<0.005		
2-Chlorotoluene					<0.005				<0.005		
4-Chlorotoluene					<0.005				<0.005		
1,3,5-Trimethylbenzene					<0.005				<0.005		
tert-Butylbenzene					<0.005				<0.005		
1,2,4-Trimethylbenzene					<0.005				<0.005		
sec-Butylbenzene					<0.005				<0.005		
p-Isopropyltoluene					<0.005				<0.005		
Butylbenzene					<0.005				<0.005		
1,2-Dibromo-3-chloropropane					<0.008				<0.008		
1,2,3-trichlorobenzene					<0.005				<0.005		

MGR = Made Ground
WCM = Wolston Clay Member
WSG = Wolston Sand and Gravel
OM = Oadby Member

Table D - Soil Analytical Data (All Depths) - Area C

NUMBER OF SAMPLES:			19								Sample Location	MW25-26	MW25-26	MW25-26	MW25-26-DUP	MW25-28A	MW25-28A	MW25-28A	MW25-28A-DUP	TP25-14	TP25-14	TP25-15	TP25-15	TP25-16	TP25-16	VW25-05	VW25-06	VW25-06	VW25-07	VW25-07
											Depth (m bgl)	0.30	2.00	6.00	2.00	0.00	0.60	8.00	8.00	0.25	0.60	1.10	2.00	0.15	1.30	0.30	0.20	0.60	0.25	1.00
											Date Sampled	19/02/2025	19/02/2025	19/02/2025	19/02/2025	20/02/2025	20/02/2025	20/02/2025	20/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
											Stratum	MGR	OM	WSG	OM	MGR	MGR	WSG	WSG	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	WCM	MGR	MGR
			CRITERIA 1	CRITERIA 2		CRITERIA 1	CRITERIA 2																							
Analytical Parameter	**Units**	**Limit of detection**	**0**	**0**	**No. Analyses**	**Exceedances**	**Exceedances**	**Min**	**Mean**	**Max**	Max ID																			
Stone Content	%	0.1			19			<0.1	<17.4	77.3	VW25-07	49.10	<0.1	<0.1	6.40	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	70.80	55.70	<0.1	70.00	77.30
Moisture Content	%	0.01			19			2.7	9.79	20	MW25-28A	3.70	15.00	17.00	12.00	2.70	18.00	20.00	20.00	5.30	16.00	3.40	11.00	4.50	3.60	4.00	4.70	17.00	4.00	4.20
Total mass of sample received	kg	0.1			19			0.5	0.8	1	MW25-28A	0.50	0.50	0.60	0.50	0.90	1.0	1.0	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.80	0.70	0.80	0.70
Asbestos in Soil	Detect	N/A			7			0	0	<0	n/a	Not-detected	-	-	-	-	Not-detected	-	-	Not-detected	-	-	-	Not-detected	-	Not-detected	Not-detected	-	Not-detected	-
pH	pH Units	N/A			18			7.5	8.7	9.7	TP25-15	8.80	7.60	8.70	7.90		8.30	8.10	7.50	9.50	9.20	9.70	8.40	7.50	9.70	9.40	9.30	8.50	9.50	9.60
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	$mg.kg^{-1}$	2.5			18			42	290.1	2400	TP25-16	490.00	190.00	120.00	86.00		120.00	49.00	42.00	160.00	160.00	57.00	110.00	2400.00	67.00	280.00	250.00	160.00	360.00	120.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	$mg.L^{-1}$	1.25			18			20.8	144.32	1180	TP25-16	247.00	95.10	61.20	43.00		60.40	24.30	20.80	81.40	81.00	28.60	53.50	1180.00	33.50	142.00	126.00	77.90	182.00	60.10
Sulphide	$mg.kg^{-1}$	1			18			<1	<16.8	75	MW25-28A	2.70	<1	<1	8.50		75.00	2.20	3.20	8.50	30.00	2.30	4.10	24.00	2.80	26.00	15.00	57.00	33.00	5.60
Ammonium - Exchangeable as NH_4^+	$mg.kg^{-1}$	0.5			18			<0.5	<2.1	24	VW25-06	<0.5	<0.5	<0.5	<0.5		5.20	<0.5	<0.5	<0.5	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	24.00	<0.5	<0.5
Orqanic Matter (automated)	%	0.1			18			<0.1	<0.8	2.8	TP25-16	<0.1	1.0	<0.1	1.0		1.30	<0.1	<0.1	1.40	1.50	0.30	0.60	2.80	0.30	0.90	1.0	0.90	0.40	0.10
Fraction Orqanic Carbon (FOC) Automated	N/A	0.001			2			<0.001	<0.001	<0.001	n/a			<0.001				<0.001												
Total Organic Carbon (TOC) - Automated	%	0.1			2			<0.1	<0.3	0.5	VW25-06	<0.1																0.50		
Loss on Ignition @ 450°C	%	0.2			18			<0.2	<1.4	3.3	MW25-28A	0.20	2.20	0.70	2.80		3.30	<0.2	<0.2	1.40	2.70	0.30	1.60	2.90	0.30	1.10	1.0	2.90	0.80	0.40
Cyanide (Total) (as CN)	$mg.kg^{-1}$	1			18			<1	<2	17	TP25-14	<1	<1	<1	<1		1.10	<1	<1	2.90	17.00	<1	<1	<1	<1	<1	<1	1.30	<1	<1
Complexed cyanide	$mg.kg^{-1}$	1			18			<1	<2	17	TP25-14	<1	<1	<1	<1		1.10	<1	<1	2.90	17.00	<1	<1	<1	<1	<1	<1	1.30	<1	<1
Easily liberatable cyanide	$mg.kg^{-1}$	1			18			<1	<1	<1	n/a	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thiocyanate	$mg.kg^{-1}$	5			18			<5	<5.5	7.8	MW25-28A	<5	<5	<5	<5		7.80	<5	<5	<5	7.80	<5	<5	<5	<5	<5	<5	7.60	<5	<5
Chloride	$mg.kg^{-1}$	1			18			4.1	63.1	340	MW25-28A	55.00	5.20	90.00	4.10		340.00	5.60	5.70	17.00	81.00	14.00	150.00	7.80	19.00	16.00	15.00	270.00	25.00	15.00
Sulphur (Elemental)	$mg.kg^{-1}$	5			18			<5	<16.8	82	MW25-28A	<5	<5	<5	<5		82.00	<5	<5	11.00	44.00	<5	7.90	18.00	9.40	8.60	10.00	57.00	10.00	10.00
Catechol	$mg.kg^{-1}$	0.1			18			<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol	$mg.kg^{-1}$	0.1			18			<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols (Total)	$mg.kg^{-1}$	0.3			18			<0.3	<0.3	<0.3	n/a	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthols	$mg.kg^{-1}$	0.2			18			<0.2	<0.2	<0.2	n/a	<0.2	<0.2	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2-Isopropylphenol	$mg.kg^{-1}$	0.1			18			<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol	$mg.kg^{-1}$	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
Xylenols and Ethylphenols (Total)	$mg.kg^{-1}$	0.4			18			<0.4	<0.4	<0.4	n/a	<0.4	<0.4	<0.4	<0.4		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Trimethylphenol (2,3,5-)	$mg.kg^{-1}$	0.1			18			<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenols (Total)	$mg.kg^{-1}$	1.4			18			<1.4	<1.4	<1.4	n/a	<1.4	<1.4	<1.4	<1.4		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Naphthalene	$mg.kg^{-1}$	0.05			19			<0.05	<0.1	0.43	TP25-16	<0.05	0.060	<0.05	0.070	<0.05	0.080	<0.05	<0.05	0.080	0.13	<0.05	0.17	0.33	0.43	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	$mg.kg^{-1}$	0.05			19			<0.05	<0.05	0.11	TP25-16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthene	$mg.kg^{-1}$	0.05			19			<0.05	<0.05	<0.05	n/a	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	$mg.kg^{-1}$	0.05			19			<0.05	<0.05	0.12	TP25-16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	$mg.kg^{-1}$	0.05			19			<0.05	<0.12	0.54	MW25-28A	<0.05	<0.05	<0.05	0.060	0.21	0.54	<0.05	<0.05	0.060	0.37	<0.05	<0.05	<0.05	0.37	<0.05	0.090	<0.05	<0.05	<0.05
Anthracene	$mg.kg^{-1}$	0.05			19			<0.05	<0.05	0.1	MW25-28A	<0.05	<0.05	<0.05	<0.05	<0.05	0.10	<0.05	<0.05	<0.05	0.060	<0.05	<0.05	<0.05	0.060	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	$mg.kg^{-1}$	0.05			19			<0.05	<0.16	1.1	MW25-28A	<0.05	<0.05	<0.05	0.060	0.23	1.10	<0.05	<0.05	0.080	0.77	<0.05	<0.05	<0.05	0.12	<0.05	0.090	0.070	<0.05	<0.05
Pyrene	$mg.kg^{-1}$	0.05			19			<0.05	<0.15	0.88	MW25-28A	<0.05	<0.05	<0.05	0.080	0.21	0.88	<0.05	<0.05	0.090	0.71	<0.05	<0.05	<0.05	0.15	<0.05	0.10	0.050	<0.05	<0.05
Benzo[a]anthracene	$mg.kg^{-1}$	0.05			19			<0.05	<0.1	0.61	MW25-28A	<0.05	<0.05	<0.05	<0.05	<0.05	0.61	<0.05	<0.05	<0.05	0.41	<0.05	<0.05	<0.05	0.050	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	$mg.kg^{-1}$	0.05			19			<0.05	<0.1	0.62	MW25-28A	<0.05	<0.05	<0.05	<0.05	<0.05	0.62	<0.05	<0.05	0.050	0.44	<0.05	<0.05	<0.05	0.060	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	$mg.kg^{-1}$	0.05			19			<0.05	<0.12	0.76	MW25-28A	<0.05	<0.05	<0.05	<0.05	<0.05	0.76	<0.05	<0.05	0.080	0.60	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	$mg.kg^{-1}$	0.05			19			<0.05	<0.07	0.28	MW25-28A	<0.05	<0.05	<0.05	<0.05	<0.05	0.28	<0.05	<0.05	<0.05	0.22	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]pyrene	$mg.kg^{-1}$	0.05			19			<0.05	<0.1	1	MW25-28A	<0.05	<0.05	<0.05	<0.05	<0.05	0.56	<0.05	<0.05	<0.05	0.47	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[1,2,3-cd]pyrene	$mg.kg^{-1}$	0.05			19			<0.05	<0.08	0.3	MW25-28A	<0.05	<0.05	<0.05	<0.05	<0.05	0.30	<0.05	<0.05	<0.05	0.28	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(a,h)anthracene	$mg.kg^{-1}$	0.05			19			<0.05	<0.05	0	MW25-28A	<0.05	<0.05	<0.05	<0.05	<0.05	0.080	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[ghi]perylene	$mg.kg^{-1}$	0.05			19			<0.05	<0.08	0.36	MW25-28A	<0.05	<0.05	<0.05	<0.05	<0.05	0.36	<0.05	<0.05	0.060	0.34	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PAH 16 Total	$mg.kg^{-1}$	0.8			19			<0.8	<1.3	6.23	MW25-28A	<0.8	<0.8	<0.8	<0.8	<0.8	6.23	<0.8	<0.8	<0.8	4.80	<0.8	<0.8	<0.8	1.48	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	$mg.kg^{-1}$	1			18			2.6	10	16	MW25-28A	9.20	7.50	3.90	12.00		16.00	2.60	3.10	12.00	15.00	7.10	10.00	16.00	7.70	7.80	14.00	12.00	16.00	8.10
Boron	$mg.kg^{-1}$	0.2			18			0.4	0.7	2	MW25-28A	0.50	0.60	0.70	1.0		1.90	0.40	0.50	0.70	1.0	0.60	1.10	0.60	0.60	0.50	0.40	0.70	0.60	0.60
Cadmium	$mg.kg^{-1}$	0.2			18			<0.2	<0.3	0.8	TP25-16	<0.2	<0.2	0.30	<0.2		0.40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.40	<0.2	<0.2	<0.2	<0.2
Chromium (VI)	$mg.kg^{-1}$	1.2			18			<1.2	<1.2	<1.2	n/a	<1.2	<1.2	<1.2	<1.2		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Chromium (Total)	$mg.kg^{-1}$	1			18			3.7	44.5	220	VW25-05	5.90	35.00	14.00	29.00		49.00	4.20	3.70	36.00	29.00	8.90	26.00	70.00	6.80	220.00	68.00	36.00	150.00	10.00
Copper	$mg.kg^{-1}$	1			18			6.3	39.5	110	TP25-16	33.00	20.00	13.00	20.00		39.00	6.30	8.10	52.00	23.00	66.00	20.00	110.00	40.00	64.00	66.00	23.00	56.00	51.00
Lead	$mg.kg^{-1}$	1			18			4.7	185.7	2100	MW25-28A	9.20	12.00	6.90	13.00		2100.00	6.60	4.70	91.00	560.00	13.00	13.00	29.00	55.00	16.00	32.00	350.00	18.00	13.00
Mercury (inorganic)	$mg.kg^{-1}$	0.3			18			<0.3	<0.3	<0.3	n/a	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	$mg.kg^{-1}$	1			18			4.7	30.7	110	VW25-05	5.50	32.00	14.00	25.00		55.00	4.90	4.70	27.00	21.00	5.10	24.00	53.00	5.30	110.00	44.00	33.00	80.00	8.50
Selenium	$mg.kg^{-1}$	1			18			<1	<1	1.4	TP25-16	<1	<1	<1	<1		<1	<1	<1	<1	1.0	<1	<1	1.40	<1	<1	<1	<1	<1	<1
Zinc	$mg.kg^{-1}$	1			18			19	77	180	TP25-14	59.00	67.00	41.00	55.00		120.00	20.00	19.00	100.00	180.00	61.00	60.00	97.00	120.00	94.00	89.00	73.00	67.00	64.00
Benzene	$mg.kg^{-1}$	0.005			15			<0.005	<0.009	0.042	MW25-26	<0.005	0.042	<0.005	0.013		0.012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			0.020		<0.005
Toluene	$mg.kg^{-1}$	0.005			15			<0.005	<0.006	0	MW25-26	<0.005	0.017	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005		<0.005
Ethylbenzene	$mg.kg^{-1}$	0.005			15			<0.005	<0.005	<0.005	n/a	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005		<0.005
Xylene (p & m-Xylene)	$mg.kg^{-1}$	0.008			15			<0.008	<0.008	<0.008	n/a	<0.008	<0.008	<0.008	<0.008		<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008			<0.008		<0.008
Xylene (o-Xylene)	$mg.kg^{-1}$	0.005			15			<0.005	<0.005	<0.005	n/a	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005		<0.005
Methyl tert-butyl ether	$mg.kg^{-1}$	0.005			4			<0.005	<0.005	<0.005	n/a						<0.005							<0.005				<0.005		<0.005
TPH (C10 - C40)	$mg.kg^{-1}$	10			16			<10	<81.3	850	TP25-16	<10	<10	<10	<10			<10	<10	150.00	73.00	<10	<10	850.00	<10	26.00	91.00		<10	<10
Aliphatic C5 - C6	$mg.kg^{-1}$	0.01			3			<0.01	<0.01	<0.01	n/a						<0.01							<0.01				<0.01		
Aliphatic C6 - C8	$mg.kg^{-1}$	0.01			3			<0.01	<0.01	<0.01	n/a						<0.01							<0.01				<0.01		
Aliphatic C8 – C10	$mg.kg^{-1}$	0.01			3			<0.01	<0.02	0	MW25-28A						0.026							<0.01				<0.01		
Aliphatic C10 – C12	$mg.kg^{-1}$	1			3			<1	<1.1	1	TP25-16						<1							1.30				<1		
Aliphatic C12 – C16	$mg.kg^{-1}$	2			3			<2	<2.2	2.7	TP25-16						<2							2.70				<2		
Aliphatic C16 – C21	$mg.kg^{-1}$	8			3			<8	<8	<8	n/a						<8							<8				<8		
Aliphatic C21 – C35	$mg.kg^{-1}$	8			3			<8	<72	200	TP25-16						<8							200.00				<8		
Aliphatic C5 – C35	$mg.kg^{-1}$	10			3			<10	<73.3	200	TP25-16						<10							200.00				<10		
Aromatic C5 - C7	$mg.kg^{-1}$	0.01			3			<0.01	<0.01	0.021	VW25-06						0.012							<0.01				0.021		
Aromatic C7 - C8	$mg.kg^{-1}$	0.01			3			<0.01	<0.01	<0.01	n/a						<0.01							<0.01				<0.01		
Aromatic C8 – C10	$mg.kg^{-1}$	0.02			3			<0.02	<0.02	<0.02	n/a						<0.02							<0.02				<0.02		
Aromatic C10 – C12	$mg.kg^{-1}$	1			3			<1	<1	<1	n/a						<1							<1				<1		
Aromatic C12 – C16	$mg.kg^{-1}$	2			3			<2	<2	<2	n/a						<2							<2				<2		
Aromatic C16 – C21	$mg.kg^{-1}$	10			3			<10	<10	<10	n/a						<10							<10				<10		
Aromatic C21 – C35	$mg.kg^{-1}$	10			3			<10	<80	220	TP25-16						<10							220.00				<10		
Aromatic C5 – C35	$mg.kg^{-1}$	10			3			<10	<80	220	TP25-16						<10							220.00				<10		
Chloromethane	$mg.kg^{-1}$	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Chloroethane	$mg.kg^{-1}$	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Bromomethane	$mg.kg^{-1}$	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Vinyl chloride (Chloroethene)	$mg.kg^{-1}$	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005

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Table D - Soil Analytical Data (All Depths) - Area C

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NUMBER OF SAMPLES:	19																														
			CRITERIA 1	CRITERIA 2		CRITERIA 1	CRITERIA 2				Sample Location	MW25-26	MW25-26	MW25-26	MW25-26-DUP	MW25-28A	MW25-28A	MW25-28A	MW25-28A-DUP	TP25-14	TP25-14	TP25-15	TP25-15	TP25-16	TP25-16	VW25-05	VW25-06	VW25-06	VW25-07	VW25-07
											Depth (m bql)	0.30	2.00	6.00	2.00	0.00	0.60	8.00	8.00	0.25	0.60	1.10	2.00	0.15	1.30	0.30	0.20	0.60	0.25	1.00
											Date Sampled	19/02/2025	19/02/2025	19/02/2025	19/02/2025	20/02/2025	20/02/2025	20/02/2025	20/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
											Stratum	MGR	OM	WSG	OM	MGR	MGR	WSG	WSG	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	WCM	MGR	MGR
Analytical Parameter	**Units**	**Limit of detection**	**0**	**0**	**No. Analyses**	**Exceedances**	**Exceedances**	**Min**	**Mean**	**Max**	Max ID																				
Trichlorofluoromethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,1-Dichloroethene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Trans 1,2 Dichloroethene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,1-Dichloroethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
2,2-Dichloropropane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Trichloromethane (Chloroform)	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,1,1-Trichloroethane (TCA)	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,2-Dichloroethane	mg.kg^{-1}	0.007			2			<0.007	<0.007	<0.007	n/a																	<0.007		<0.007
1,1-Dichloropropene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Cis 1,2 Dichloroethene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Carbon tetrachloride (Tetrachloromethane)	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,2-Dichloropropane	mg.kg^{-1}	0.006			2			<0.006	<0.006	<0.006	n/a																	<0.006		<0.006
Trichloroethylene	mg.kg^{-1}	0.01			2			<0.01	<0.01	<0.01	n/a																	<0.01		<0.01
Dibromomethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Bromodichloromethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Cis-1,3-dichloropropene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Trans-1,3-dichloropropene	mg.kg^{-1}	0.01			2			<0.01	<0.01	<0.01	n/a																	<0.01		<0.01
1,1,2 Trichloroethane	mg.kg^{-1}	0.006			2			<0.006	<0.006	<0.006	n/a																	<0.006		<0.006
1,3-Dichloropropane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Dibromochloromethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Tetrachloroethylene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,2-Dibromoethane	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
ChloroBenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Styrene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Bromoform	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Iso-propylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Bromobenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
n-Propylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
2-Chlorotoluene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
4-Chlorotoluene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,3,5-Trimethylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
tert-Butylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,2,4-Trimethylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
sec-Butylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,3-dichlorobenzene	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
p-Isopropyltoluene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,4-dichlorobenzene	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
1,2-dichlorobenzene	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
Butylbenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
1,2-Dibromo-3-chloropropane	mg.kg^{-1}	0.008			2			<0.008	<0.008	<0.008	n/a																	<0.008		<0.008
1,2,4-trichlorobenzene	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
Hexachlorobutadiene	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
1,2,3-trichlorobenzene	mg.kg^{-1}	0.005			2			<0.005	<0.005	<0.005	n/a																	<0.005		<0.005
Aniline	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
2-chlorophenol	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
Bis(2-chloroethyl)ether	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
Bis(2-chloroisopropyl)ether	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
2-Methylphenol	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
Hexachloroethane	mg.kg^{-1}	0.05			1			<0.05	<0.05	<0.05	n/a																	<0.05		
Nitrobenzene	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
4-Methylphenol	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
Isophorone	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
2-Nitrophenol	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
2,4-Dimethylphenol	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
Bis(2-chloroethoxy)methane	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
2,4-Dichlorophenol	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
4-Chloroaniline	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
4-Chloro-3-methylphenol	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
2,4,6-Trichlorophenol	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
2,4,5-Trichlorophenol	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
2-Methylnaphthalene	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
2-Chloronaphthalene	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
Dimethylphthalate	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
2,6-Dinitrotoluene	mg.kg^{-1}	0.1			1			<0.1	<0.1	<0.1	n/a																	<0.1		
2,4-Dinitrotoluene	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
Dibenzofuran	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
4-Chlorophenyl phenyl ether	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
Diethyl phthalate	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
4-Nitroaniline	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
Azobenzene	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
Bromophenyl phenyl ether	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
Hexachlorobenzene	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
Carbazole	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
Dibutyl phthalate	mg.kg^{-1}	0.2			1			<0.2	<0.2	<0.2	n/a																	<0.2		
Anthraquinone	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
Butyl benzyl phthalate	mg.kg^{-1}	0.3			1			<0.3	<0.3	<0.3	n/a																	<0.3		
Coal Tar Total Residue	mg.kg^{-1}	10			1			4700	4700	4700	MW25-28A					4700.00														

MGR = Made Ground
WCM = Wolston Clay Member
WSG = Wolston Sand and Gravel
OM = Oadby Member

Sample Location		MW25-03-DUP	MW25-03	RPD	MW25-06-DUP	MW25-06	RPD	MW25-11-DUP	MW25-11	RPD	MW25-12-DUP	MW25-12	RPD
Depth (m bgl)		3.00	3.00		2.50	2.50		6.50	6.50		5.25	5.25	
Date Sampled		03/02/2025	03/02/2025	%	06/02/2025	06/02/2025	%	10/02/2025	10/02/2025	%	11/02/2025	11/02/2025	%
Analytical Parameter	Units												
Stone Content	%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Moisture Content	%	18.00			20.00	21.00	4.9%	21.00	19.00	10.0%	21.00	17.00	**21.1%**
Total mass of sample received	kg	0.80	0.80	0.0%	0.80	0.80	0.0%	0.60	0.60	0.0%	0.80	0.70	13.3%
pH	pH Units	8.60	8.40	2.4%	8.10	8.00	1.2%	8.00	8.60	7.2%	7.30	7.60	4.0%
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg.kg^{-1}	300.00	270.00	10.5%	270.00	260.00	3.8%	57.00	64.00	11.6%	490.00	320.00	**42.0%**
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg.L^{-1}	152.00	137.00	10.4%	136.00	131.00	3.7%	28.50	31.80	10.9%	247.00	158.00	**44.0%**
Sulphide	mg.kg^{-1}	210.00	120.00	**54.5%**	19.00	27.00	**34.8%**	11.00	11.00	0.0%	34.00	33.00	3.0%
Ammonium - Exchangeable as NH_4^+	mg.kg^{-1}	<0.5	<0.5	0.0%	<0.5	<0.5	0.0%	<0.5	<0.5	0.0%	2.90	2.00	**36.7%**
Organic Matter	%	1.30	1.60	**20.7%**	1.70	1.70	0.0%	0.30	0.40	**28.6%**	0.30	0.30	0.0%
Fraction Organic Carbon (FOC) Automated	N/A		0.0092									0.0017	
Loss on Ignition @ 450°C	%	1.80	1.90	5.4%	3.20	3.40	6.1%	0.40	0.50	**22.2%**	0.50	0.40	**22.2%**
pH	pH Units												
Cyanide (Total) (as CN)	mg.kg^{-1}	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Complexed cyanide	mg.kg^{-1}	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Easily liberatable cyanide	mg.kg^{-1}	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Thiocyanate	mg.kg^{-1}	<5	<5	0.0%	<5	<5	0.0%	<5	<5	0.0%	<5	<5	0.0%
Chloride	mg.kg^{-1}	37.00	31.00	17.6%	60.00	60.00	0.0%	6.80	6.90	1.5%	61.00	55.00	10.3%
Sulphur (Elemental)	mg.kg^{-1}	11.00	17.00	**42.9%**	<5	7.90	**45.0%**	<5	7.80	**43.8%**	450.00	330.00	**30.8%**
Catechol	mg.kg^{-1}	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Resorcinol	mg.kg^{-1}	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Cresols (Total)	mg.kg^{-1}	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%
Naphthols	mg.kg^{-1}	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%
2-Isopropylphenol	mg.kg^{-1}	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Phenol	mg.kg^{-1}	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Trimethylphenol (2,3,5-)	mg.kg^{-1}	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Xylenols and Ethylphenols (Total)	mg.kg^{-1}	<0.4	<0.4	0.0%	<0.4	<0.4	0.0%	<0.4	<0.4	0.0%	<0.4	<0.4	0.0%
Phenols (Total)	mg.kg^{-1}	<1.4	<1.4	0.0%	<1.4	<1.4	0.0%	<1.4	<1.4	0.0%	<1.4	<1.4	0.0%
Naphthalene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	0.050	0.0%	<0.05	<0.05	0.0%
Acenaphthylene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Acenaphthene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Fluorene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Phenanthrene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Anthracene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Fluoranthene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Pyrene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[a]anthracene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Chrysene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[b]fluoranthene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[k]fluoranthene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[a]pyrene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Indeno[1,2,3-cd]pyrene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Dibenz(a,h)anthracene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[ghi]perylene	mg.kg^{-1}	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
PAH 16 Total	mg.kg^{-1}	<0.8	<0.8	0.0%	<0.8	<0.8	0.0%	<0.8	<0.8	0.0%	<0.8	<0.8	0.0%
Arsenic	mg.kg^{-1}	5.90	6.50	9.7%	10.00	12.00	18.2%	7.50	9.00	18.2%	2.40	2.10	13.3%
Boron	mg.kg^{-1}	0.60	0.50	18.2%	0.80	1.10	**31.6%**	0.40	0.40	0.0%	0.60	0.60	0.0%
Cadmium	mg.kg^{-1}	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%
Chromium (VI)	mg.kg^{-1}	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%
Chromium (Total)	mg.kg^{-1}	14.00	14.00	0.0%	41.00	38.00	7.6%	7.10	7.40	4.1%	7.90	6.80	15.0%
Copper	mg.kg^{-1}	16.00	17.00	6.1%	24.00	25.00	4.1%	9.40	10.00	6.2%	6.50	8.20	**23.1%**
Lead	mg.kg^{-1}	9.30	9.00	3.3%	16.00	15.00	6.5%	6.00	7.00	15.4%	4.80	4.40	8.7%
Mercury (inorganic)	mg.kg^{-1}	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%
Nickel	mg.kg^{-1}	20.00	18.00	10.5%	38.00	38.00	0.0%	9.00	9.40	4.3%	10.00	9.40	6.2%
Selenium	mg.kg^{-1}	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Zinc	mg.kg^{-1}	51.00	53.00	3.8%	78.00	78.00	0.0%	37.00	41.00	10.3%	31.00	31.00	0.0%
Benzene	mg.kg^{-1}				<0.005	<0.005	0.0%	<0.005	<0.005	0.0%			
Toluene	mg.kg^{-1}				<0.005	<0.005	0.0%	<0.005	<0.005	0.0%			
Ethylbenzene	mg.kg^{-1}				<0.005	<0.005	0.0%	<0.005	<0.005	0.0%			
Xylene (p & m-Xylene)	mg.kg^{-1}				<0.008	<0.008	0.0%	<0.008	<0.008	0.0%			
Xylene (o-Xylene)	mg.kg^{-1}				<0.005	<0.005	0.0%	<0.005	<0.005	0.0%			
Methyl tert-butyl ether	mg.kg^{-1}												
TPH (C10 - C40)	mg.kg^{-1}	<10	<10	0.0%	<10	21.00	**71.0%**	<10	13.00	**26.1%**	<10	<10	0.0%

Sample Location	MW25-14-DUP	MW25-14	RPD	MW25-15C-DUP	MW25-15C	RPD	MW25-19A-DUP	MW25-19A	RPD	MW25-20-DUP	MW25-20	RPD
Depth (m bgl)	2.70	2.70		8.80	8.80		4.50	4.50		9.90	9.90	
Date Sampled	12/02/2025	12/02/2025	%	25/02/2025	25/02/2025	%	14/02/2025	14/02/2025	%	17/02/2025	17/02/2025	%
Analytical Parameter												
Stone Content	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Moisture Content	13.00	14.00	7.4%	16.00	15.00	6.5%	15.00	15.00	0.0%	18.00	19.00	5.4%
Total mass of sample received	0.70	0.80	13.3%	0.50	0.60	18.2%	0.60	0.60	0.0%	0.60	0.50	18.2%
pH	8.10	8.30	2.4%	8.80	8.40	4.7%	7.90	8.00	1.3%	8.80	8.70	1.1%
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	590.00	680.00	14.2%	81.00	75.00	7.7%	160.00	160.00	0.0%	73.00	69.00	5.6%
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	293.00	342.00	15.4%	40.50	37.60	7.4%	78.60	78.10	0.6%	36.50	34.20	6.5%
Sulphide	2.40	1.20	**66.7%**	11.00	18.00	**48.3%**	<1	<1	0.0%	150.00	140.00	6.9%
Ammonium - Exchangeable as NH_4^+	97.00	130.00	**29.1%**	11.00	10.00	9.5%	<0.5	<0.5	0.0%	130.00	270.00	**70.0%**
Organic Matter	0.60	0.60	0.0%	<0.1	<0.1	0.0%	0.30	0.30	0.0%	1.40	1.30	7.4%
Fraction Organic Carbon (FOC) Automated								0.0019			0.0073	
Loss on Ignition @ 450°C	2.60	3.00	14.3%	0.40	0.40	0.0%	0.90	0.80	11.8%	1.70	1.60	6.1%
pH												
Cyanide (Total) (as CN)	2.20	1.60	**31.6%**	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Complexed cyanide	2.20	1.60	**31.6%**	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Easily liberatable cyanide	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Thiocyanate	<5	<5	0.0%	<5	<5	0.0%	<5	<5	0.0%	<5	<5	0.0%
Chloride	38.00	43.00	12.3%	7.70	7.10	8.1%	42.00	42.00	0.0%	58.00	59.00	1.7%
Sulphur (Elemental)	<5	<5	0.0%	17.00	18.00	5.7%	6.90	6.80	1.5%	12.00	11.00	8.7%
Catechol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Resorcinol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Cresols (Total)	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%
Naphthols	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%
2-Isopropylphenol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Phenol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Trimethylphenol (2,3,5-)	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Xylenols and Ethylphenols (Total)	<0.4	<0.4	0.0%	<0.4	<0.4	0.0%	<0.4	<0.4	0.0%	<0.4	<0.4	0.0%
Phenols (Total)	<1.4	<1.4	0.0%	<1.4	<1.4	0.0%	<1.4	<1.4	0.0%	<1.4	<1.4	0.0%
Naphthalene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	0.17	3.20	**179.8%**
Acenaphthylene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	0.070	**33.3%**
Acenaphthene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Fluorene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Phenanthrene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	0.050	0.0%	<0.05	<0.05	0.0%
Anthracene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Fluoranthene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	0.080	0.080	0.0%	<0.05	<0.05	0.0%
Pyrene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	0.060	0.070	15.4%	<0.05	<0.05	0.0%
Benzo[a]anthracene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Chrysene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[b]fluoranthene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	0.070	**33.3%**	<0.05	<0.05	0.0%
Benzo[k]fluoranthene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[a]pyrene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Indeno[1,2,3-cd]pyrene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Dibenz(a,h)anthracene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[ghi]perylene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	0.060	18.2%	<0.05	<0.05	0.0%
PAH 16 Total	<0.8	<0.8	0.0%	<0.8	<0.8	0.0%	<0.8	<0.8	0.0%	<0.8	3.22	**120.4%**
Arsenic	10.00	9.40	6.2%	2.30	2.20	4.4%	2.60	2.90	10.9%	11.00	11.00	0.0%
Boron	1.30	0.70	**60.0%**	0.60	0.70	15.4%	0.80	0.80	0.0%	1.10	1.00	9.5%
Cadmium	0.20	0.20	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%
Chromium (VI)	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%
Chromium (Total)	27.00	29.00	7.1%	6.80	6.10	10.9%	7.80	7.20	8.0%	16.00	14.00	13.3%
Copper	20.00	21.00	4.9%	9.40	8.10	14.9%	8.90	8.90	0.0%	19.00	23.00	19.0%
Lead	12.00	11.00	8.7%	4.10	5.10	**21.7%**	6.40	9.20	**35.9%**	9.20	8.70	5.6%
Mercury (inorganic)	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%
Nickel	27.00	28.00	3.6%	7.70	7.00	9.5%	7.70	7.60	1.3%	16.00	16.00	0.0%
Selenium	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Zinc	55.00	59.00	7.0%	24.00	23.00	4.3%	25.00	25.00	0.0%	51.00	45.00	12.5%
Benzene				<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	9.10	3.50	**88.9%**
Toluene				<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Ethylbenzene				<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Xylene (p & m-Xylene)				<0.008	<0.008	0.0%	<0.008	<0.008	0.0%	<0.008	<0.008	0.0%
Xylene (o-Xylene)				<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Methyl tert-butyl ether												
TPH (C10 - C40)	<10	<10	0.0%	<10	<10	0.0%	25.00	20.00	**22.2%**	<10	<10	0.0%

Sample Location	MW25-21-DUP	MW25-21	RPD	MW25-24-DUP	MW25-24	RPD	MW25-25-DUP	MW25-25	RPD	MW25-26-DUP	MW25-26	RPD
Depth (m bgl)	5.20	5.20		6.20	6.20		6.50	6.50		2.00	2.00	
Date Sampled	17/02/2025	17/02/2025	%	18/02/2025	18/02/2025	%	19/02/2025	19/02/2025	%	19/02/2025	19/02/2025	%
Analytical Parameter												
Stone Content	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	6.40	<0.1	**193.8%**
Moisture Content	19.00	20.00	5.1%	16.00	15.00	6.5%	18.00	18.00	0.0%	12.00	15.00	**22.2%**
Total mass of sample received	0.50	0.50	0.0%	0.10	0.50	**133.3%**	0.50	0.40	**22.2%**	0.50	0.50	0.0%
pH	8.60	9.40	8.9%	8.10	8.50	4.8%	8.00	7.90	1.3%	7.90	7.60	3.9%
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	21.00	22.00	4.7%	91.00	37.00	**84.4%**	1200.00	1400.00	15.4%	86.00	190.00	**75.4%**
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	10.60	11.10	4.6%	45.50	18.60	**83.9%**	596.00	697.00	15.6%	43.00	95.10	**75.5%**
Sulphide	3.00	2.20	**30.8%**	130.00	7.10	**179.3%**	970.00	1000.00	3.0%	8.50	<1	**157.9%**
Ammonium - Exchangeable as NH_4^+	<0.5	<0.5	0.0%	<0.5	<0.5	0.0%	48.00	47.00	2.1%	<0.5	<0.5	0.0%
Organic Matter	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	2.60	2.30	12.2%	1.0	1.0	0.0%
Fraction Organic Carbon (FOC) Automated		<0.001			<0.001							
Loss on Ignition @ 450°C	<0.2	<0.2	0.0%	0.30	0.50	**50.0%**	3.00	2.50	18.2%	2.80	2.20	**24.0%**
pH												
Cyanide (Total) (as CN)	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Complexed cyanide	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Easily liberatable cyanide	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Thiocyanate	<5	<5	0.0%	<5	<5	0.0%	<5	<5	0.0%	<5	<5	0.0%
Chloride	7.90	8.00	1.3%	22.00	25.00	12.8%	240.00	190.00	**23.3%**	4.10	5.20	**23.7%**
Sulphur (Elemental)	<5	<5	0.0%	<5	<5	0.0%	2400.00	2500.00	4.1%	<5	<5	0.0%
Catechol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Resorcinol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Cresols (Total)	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	3.00	3.10	3.3%	<0.3	<0.3	0.0%
Naphthols	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%
2-Isopropylphenol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Phenol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	0.86	0.95	9.9%	<0.1	<0.1	0.0%
Trimethylphenol (2,3,5-)	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Xylenols and Ethylphenols (Total)	<0.4	<0.4	0.0%	<0.4	<0.4	0.0%	2.40	3.10	**25.5%**	<0.4	<0.4	0.0%
Phenols (Total)	<1.4	<1.4	0.0%	<1.4	<1.4	0.0%	6.30	7.10	11.9%	<1.4	<1.4	0.0%
Naphthalene	<0.05	<0.05	0.0%	<0.05	0.070	**33.3%**	31.00	27.00	13.8%	0.070	0.060	15.4%
Acenaphthylene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	0.38	0.21	**57.6%**	<0.05	<0.05	0.0%
Acenaphthene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	0.17	<0.05	**109.1%**	<0.05	<0.05	0.0%
Fluorene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	0.40	0.17	**80.7%**	<0.05	<0.05	0.0%
Phenanthrene	<0.05	<0.05	0.0%	0.16	<0.05	**104.8%**	0.44	0.60	**30.8%**	0.060	<0.05	18.2%
Anthracene	<0.05	<0.05	0.0%	0.12	<0.05	**82.4%**	0.080	0.150	**60.9%**	<0.05	<0.05	0.0%
Fluoranthene	<0.05	<0.05	0.0%	0.22	<0.05	**125.9%**	0.10	0.42	**123.1%**	0.060	<0.05	18.2%
Pyrene	<0.05	<0.05	0.0%	0.17	<0.05	**109.1%**	0.11	0.33	**100.0%**	0.080	<0.05	**46.2%**
Benzo[a]anthracene	<0.05	<0.05	0.0%	0.18	<0.05	**113.0%**	<0.05	0.160	**104.8%**	<0.05	<0.05	0.0%
Chrysene	<0.05	<0.05	0.0%	0.14	<0.05	**94.7%**	<0.05	0.150	**100.0%**	<0.05	<0.05	0.0%
Benzo[b]fluoranthene	<0.05	<0.05	0.0%	0.13	<0.05	**88.9%**	<0.05	0.180	**113.0%**	<0.05	<0.05	0.0%
Benzo[k]fluoranthene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[a]pyrene	<0.05	<0.05	0.0%	0.080	<0.05	**46.2%**	<0.05	0.170	**109.1%**	<0.05	<0.05	0.0%
Indeno[1,2,3-cd]pyrene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	0.080	**46.2%**	<0.05	<0.05	0.0%
Dibenz(a,h)anthracene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[ghi]perylene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	0.100	**66.7%**	<0.05	<0.05	0.0%
PAH 16 Total	<0.8	<0.8	0.0%	1.20	<0.8	**40.0%**	33.10	29.60	11.2%	<0.8	<0.8	0.0%
Arsenic	1.10	1.20	8.7%	3.90	4.00	2.5%	8.30	8.80	5.8%	12.00	7.50	**46.2%**
Boron	0.40	0.40	0.0%	0.80	0.60	**28.6%**	0.90	1.10	20.0%	1.0	0.6	**50.0%**
Cadmium	<0.2	<0.2	0.0%	0.20	0.20	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%
Chromium (VI)	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%
Chromium (Total)	1.90	2.10	10.0%	5.90	7.40	**22.6%**	16.00	16.00	0.0%	29.00	35.00	18.8%
Copper	3.70	4.50	19.5%	9.90	8.80	11.8%	17.00	18.00	5.7%	20.00	20.00	0.0%
Lead	1.70	1.80	5.7%	4.90	5.10	4.0%	10.00	11.00	9.5%	13.00	12.00	8.0%
Mercury (inorganic)	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%
Nickel	2.20	2.30	4.4%	7.60	8.00	5.1%	17.00	17.00	0.0%	25.00	32.00	**24.6%**
Selenium	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Zinc	9.60	9.80	2.1%	34.00	35.00	2.9%	51.00	46.00	10.3%	55.00	67.00	19.7%
Benzene	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	0.65	0.87	**28.9%**	0.013	0.042	**105.5%**
Toluene	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	0.18	0.42	**80.0%**	<0.005	0.0170	**109.1%**
Ethylbenzene	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	3.10	8.90	**96.7%**	<0.005	<0.005	0.0%
Xylene (p & m-Xylene)	<0.008	<0.008	0.0%	<0.008	<0.008	0.0%	2.90	8.80	**100.9%**	<0.008	<0.008	0.0%
Xylene (o-Xylene)	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	1.40	5.00	**112.5%**	<0.005	<0.005	0.0%
Methyl tert-butyl ether								<0.005				
TPH (C10 - C40)	<10	<10	0.0%	<10	<10	0.0%	27.00			<10	<10	0.0%

Sample Location	MW25-27-DUP	MW25-27	RPD	MW25-28A-DUP	MW25-28A	RPD	MW25-32-DUP	MW25-32	RPD	MW25-36-DUP	MW25-36	RPD
Depth (m bgl)	9.30	9.30		8.00	8.00		6.20	6.20		4.60	4.60	
Date Sampled	20/02/2025	20/02/2025	%	20/02/2025	20/02/2025	%	24/02/2025	24/02/2025	%	26/02/2025	26/02/2025	%
Analytical Parameter												
Stone Content	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Moisture Content	18.00	17.00	5.7%	20.00	20.00	0.0%	15.00	14.00	6.9%	20.00	19.00	5.1%
Total mass of sample received	0.70	0.80	13.3%	0.80	1.00	**22.2%**	0.70	0.60	15.4%	0.60	0.50	18.2%
pH	8.50	8.60	1.2%	7.50	8.10	7.7%	8.60	8.60	0.0%	8.20	7.90	3.7%
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	100.00	79.00	**23.5%**	42.00	49.00	15.4%	190.00	150.00	**23.5%**	180.00	220.00	20.0%
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	50.00	39.70	**23.0%**	20.80	24.30	15.5%	93.00	77.40	18.3%	90.20	110.00	19.8%
Sulphide	50.00	57.00	13.1%	3.20	2.20	**37.0%**	32.00	27.00	16.9%	10.00	8.60	15.1%
Ammonium - Exchangeable as NH_4^+	85.00	81.00	4.8%	<0.5	<0.5	0.0%	63.00	66.00	4.7%	4.40	4.20	4.7%
Organic Matter	<0.1	0.30	**100.0%**	<0.1	<0.1	0.0%	1.70	0.70	**83.3%**	1.40	1.70	19.4%
Fraction Organic Carbon (FOC) Automated		0.0019			<0.001							
Loss on Ignition @ 450°C	0.70	0.80	13.3%	<0.2	<0.2	0.0%	2.60	1.90	**31.1%**	1.40	1.70	19.4%
pH												
Cyanide (Total) (as CN)	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Complexed cyanide	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Easily liberatable cyanide	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Thiocyanate	<5	<5	0.0%	<5	<5	0.0%	<5	<5	0.0%	<5	<5	0.0%
Chloride	36.00	39.00	8.0%	5.70	5.60	1.8%	10.00	8.80	12.8%	53.00	54.00	1.9%
Sulphur (Elemental)	180.00	150.00	18.2%	<5	<5	0.0%	26.00	23.00	12.2%	12.00	10.00	18.2%
Catechol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Resorcinol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Cresols (Total)	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%
Naphthols	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%
2-Isopropylphenol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Phenol	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Trimethylphenol (2,3,5-)	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%	<0.1	<0.1	0.0%
Xylenols and Ethylphenols (Total)	<0.4	<0.4	0.0%	<0.4	<0.4	0.0%	<0.4	<0.4	0.0%	<0.4	<0.4	0.0%
Phenols (Total)	<1.4	<1.4	0.0%	<1.4	<1.4	0.0%	<1.4	<1.4	0.0%	<1.4	<1.4	0.0%
Naphthalene	1.80	3.50	**64.2%**	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Acenaphthylene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Acenaphthene	0.060	0.170	**95.7%**	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Fluorene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Phenanthrene	<0.05	0.100	**66.7%**	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Anthracene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Fluoranthene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Pyrene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[a]anthracene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Chrysene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[b]fluoranthene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[k]fluoranthene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[a]pyrene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Indeno[1,2,3-cd]pyrene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Dibenz(a,h)anthracene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
Benzo[ghi]perylene	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%	<0.05	<0.05	0.0%
PAH 16 Total	1.84	3.73	**67.9%**	<0.8	<0.8	0.0%	<0.8	<0.8	0.0%	<0.8	<0.8	0.0%
Arsenic	2.70	2.80	3.6%	3.10	2.60	17.5%	3.60	3.70	2.7%	8.10	8.80	8.3%
Boron	0.60	0.70	15.4%	0.50	0.40	**22.2%**	1.10	1.00	9.5%	0.70	1.10	**44.4%**
Cadmium	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%
Chromium (VI)	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%	<1.2	<1.2	0.0%
Chromium (Total)	8.50	8.50	0.0%	3.70	4.20	12.7%	7.10	7.50	5.5%	21.00	24.00	13.3%
Copper	38.00	8.60	**126.2%**	8.10	6.30	**25.0%**	8.10	11.00	**30.4%**	24.00	28.00	15.4%
Lead	4.90	5.60	13.3%	4.70	6.60	**33.6%**	5.90	4.60	**24.8%**	14.00	15.00	6.9%
Mercury (inorganic)	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%	<0.3	<0.3	0.0%
Nickel	9.00	8.90	1.1%	4.70	4.90	4.2%	9.00	8.50	5.7%	24.00	28.00	15.4%
Selenium	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%	<1	<1	0.0%
Zinc	36.00	26.00	**32.3%**	19.00	20.00	5.1%	26.00	25.00	3.9%	58.00	61.00	5.0%
Benzene	0.19	0.03	**151.9%**	<0.005	<0.005	0.0%	0.034	0.024	**34.5%**	<0.005	<0.005	0.0%
Toluene	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Ethylbenzene	0.094	0.065	**36.5%**	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Xylene (p & m-Xylene)	0.045	0.033	**30.8%**	<0.008	<0.008	0.0%	<0.008	<0.008	0.0%	<0.008	<0.008	0.0%
Xylene (o-Xylene)	0.089	0.051	**54.3%**	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Methyl tert-butyl ether												
TPH (C10 - C40)	<10	12.00	18.2%	<10	<10	0.0%	<10	<10	0.0%	<10	<10	0.0%

BLACK BOLD TEXT ON WHITE BACKGROUND - RPD > 20%
WHITE BOLD TEXT ON GREY BACKGROUND - RPD > 30%

Table E: Soil Leachate Analytical Data - Area A

Hinckley

NUMBER OF SAMPLES:	3										Sample Location	MW25-02	MW25-03	MW25-06
											Depth (m bgl)	0.50	0.30	0.20
											Date Sampled	03/02/2025	03/02/2025	05/02/2025
			CRITERIA 1	CRITERIA 2		CRITERIA 1	CRITERIA 2				Stratum	MGR	MGR	MGR
Analytical Parameter	**Units**	**Limit of detection**	**0**	**0**	**No. Analyses**	**Exceedances**	**Exceedances**	**Min**	**Mean**	**Max**	**Max ID**			
pH	pH Units	N/A			3			7.9	8.2	8.5	MW25-06	7.90	8.20	8.50
Sulphate as SO_4	$mg.L^{-1}$	0.045			3			5.1	10.98	18.7	MW25-03	9.14	18.70	5.10
Total Suspended Solids	$mg.L^{-1}$	2			3			<2	<2.2	2.7	MW25-06	<2	<2	2.70
Conductivity	$\mu S.cm^{-1}$	10			3			67	119	160	MW25-03	130.00	160.00	67.00
Cyanide (Total) (as CN)	$mg.L^{-1}$	0.01			3			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01
Complexed cyanide	$mg.L^{-1}$	0.01			3			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01
Easily liberatable cyanide	$mg.L^{-1}$	0.01			3			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01
Thiocyanate	$mg.L^{-1}$	0.2			3			<0.2	<0.2	<0.2	n/a	<0.2	<0.2	<0.2
Sulphur (Elemental)	$mg.L^{-1}$	20			3			<20	<20	<20	n/a	<20	<20	<20
Sulphide	$mg.L^{-1}$	0.005			3			<0.005	<0.005	<0.005	n/a	<0.005	<0.005	<0.005
Chloride	$mg.L^{-1}$	0.15			3			1.6	5.27	9	MW25-02	9.00	5.20	1.60
Ammoniacal Nitrogen as NH_4^+ / Ammonium as NH4	$mg.L^{-1}$	0.015			3			0.019	1	2.8	MW25-02	2.80	0.18	0.019
Ammoniacal N (total) as N	$mg.L^{-1}$	0.011667			3			0.0147782	0.777541	2.17784	MW25-02	2.18	0.14	0.015
Un-ionised ammonia as nitrogen (NH3 as N)	$mg.L^{-1}$	0.011667			3			0.0147782	0.777541	2.17784	MW25-02	2.18	0.14	0.015
Dissolved Organic Carbon (DOC)	$mg.L^{-1}$	0.1			3			3.9	14	27	MW25-02	27.00	11.00	3.90
Catechol	$mg.L^{-1}$	0.0005			3			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005
Resorcinol	$mg.L^{-1}$	0.0005			3			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005
Ethylphenol & Dimethylphenol	$mg.L^{-1}$	0.0005			3			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005
Cresols (Total)	$mg.L^{-1}$	0.0005			3			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005
2-Isopropylphenol	$mg.L^{-1}$	0.0005			3			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005
Trimethylphenol (2,3,5-)	$mg.L^{-1}$	0.0005			3			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005
Naphthols	$mg.L^{-1}$	0.0005			3			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005
Phenol	$mg.L^{-1}$	0.0005			3			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005
Trimethylphenol	$mg.L^{-1}$													
Phenols (Total)	$mg.L^{-1}$	0.0035			3			<0.0035	<0.0035	<0.0035	n/a	<0.0035	<0.0035	<0.0035
Naphthalene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00011	0.00021	MW25-03	<0.00001	0.00021	0.00011
Acenaphthylene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001
Acenaphthene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001
Fluorene	$mg.L^{-1}$	0.00001			3			0.00001	0.00003	0.00004	MW25-02	0.000040	0.000030	0.000010
Phenanthrene	$mg.L^{-1}$	0.00001			3			0.00004	0.00011	0.00018	MW25-02	0.00018	0.00011	0.000040
Anthracene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001
Fluoranthene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00005	0.00009	MW25-02	0.000090	0.000040	<0.00001
Pyrene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00003	0.00006	MW25-02	0.000060	0.000030	<0.00001
Benzo[a]anthracene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001
Chrysene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001
Benzo[b]fluoranthene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001
Dibenz(a,h)anthracene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	$mg.L^{-1}$	0.00001			3			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	$mg.L^{-1}$	0.00002			3			<0.00002	<0.00002	<0.00002	n/a	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	$mg.L^{-1}$	0.00004			3			<0.00004	<0.00004	<0.00004	n/a	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	$mg.L^{-1}$	0.00002			3			<0.00002	<0.00002	<0.00002	n/a	<0.00002	<0.00002	<0.00002
PAH 16 Total	$mg.L^{-1}$	0.00016			3			<0.00016	<0.00032	0.00041	MW25-03	0.00038	0.00041	<0.00016
Arsenic	$mg.L^{-1}$	0.001			3			0.001	0.003	0.005	MW25-02	0.0050	0.0010	0.0020
Barium	$mg.L^{-1}$													
Beryllium	$mg.L^{-1}$													
Cadmium	$mg.L^{-1}$	0.00008			3			<0.00008	<0.00008	<0.00008	n/a	<0.00008	<0.00008	<0.00008
Chromium (VI)	$mg.L^{-1}$	0.005			3			<0.005	<0.005	<0.005	n/a	<0.005	<0.005	<0.005
Chromium (Total)	$mg.L^{-1}$	0.0004			3			<0.0004	<0.0019	0.0048	MW25-02	0.0048	<0.0004	<0.0004
Copper	$mg.L^{-1}$	0.0007			3			0.0009	0.0022	0.0047	MW25-02	0.0047	0.00090	0.0011
Iron	$mg.L^{-1}$	0.004			3			0.089	1.63	4.2	MW25-02	4.2000	0.08900	0.60000
Lead	$mg.L^{-1}$	0.001			3			<0.001	<0.002	0.004	MW25-02	0.0040	<0.001	<0.001
Mercury (inorganic)	$mg.L^{-1}$	0.0005			3			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005
Nickel	$mg.L^{-1}$	0.0003			3			<0.0003	<0.0019	0.005	MW25-02	0.0050	0.00050	<0.0003
Selenium	$mg.L^{-1}$	0.004			3			<0.004	<0.004	<0.004	n/a	<0.004	<0.004	<0.004
Zinc	$mg.L^{-1}$	0.0004			3			0.0019	0.0049	0.0095	MW25-02	0.0095	0.0019	0.0032
Benzene	$mg.L^{-1}$	0.001			3			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001
Toluene	$mg.L^{-1}$	0.001			3			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001
Ethylbenzene	$mg.L^{-1}$	0.001			3			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001
Xylene (p & m-Xylene)	$mg.L^{-1}$	0.001			3			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001
Xylene (o-Xylene)	$mg.L^{-1}$	0.001			3			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001
Xylenes (Total of m and p, o-xylenes)	$mg.L^{-1}$	0.002			3			<0.002	<0.002	<0.002	n/a	<0.002	<0.002	<0.002
Methyl tert-butyl ether	$mg.L^{-1}$	0.003			0			0	n/a	<0	n/a			
TPH (C10 - C40)	$mg.L^{-1}$	0.01			3			<0.01	<0.06	0.1	MW25-03	0.060	0.10	<0.01

MGR = Made Ground

NUMBER OF SAMPLES: 40

Analytical Parameter	Units	Limit of detection	CRITERIA 1	CRITERIA 2	No. Analyses	CRITERIA 1 Exceedances	CRITERIA 2 Exceedances	Min	Mean	Max	Max ID
			0	0							
pH	pH Units	N/A			40			4.5	8.1	10.5	MW25-22
Sulphate as SO_4	mg.L^{-1}	0.045			40			1.76	318.838	1810	TP25-19
Total Suspended Solids	mg.L^{-1}	2			39			<2	<3.9	17.7	MW25-30B
Conductivity	µS.cm^{-1}	10			40			43	562.6	2200	TP25-22
Cyanide (Total) (as CN)	mg.L^{-1}	0.01			40			<0.01	<1.51	50	TP25-20
Complexed cyanide	mg.L^{-1}	0.01			40			<0.01	<1.51	50.26	TP25-20
Easily liberatable cyanide	mg.L^{-1}	0.01			40			<0.01	<0.01	0.087	TP25-20
Thiocyanate	mg.L^{-1}	0.2			40			<0.2	<0.5	9	TP25-20
Sulphur (Elemental)	mg.L^{-1}	20			40			<20	<19.5	<20	n/a
Sulphide	mg.L^{-1}	0.005			40			<0.005	<0.005	<0.005	n/a
Chloride	mg.L^{-1}	0.15			40			0.39	15.42	69	TP25-20
Ammoniacal Nitrogen as NH_4^+ / Ammonium as NH4	mg.L^{-1}	0.015			40			<0.015	<4.072	40	TP25-20
Ammoniacal N (total) as N	mg.L^{-1}	0.011667			40			<0.011667	<3.166813	31.112	TP25-20
Un-ionised ammonia as nitrogen (NH3 as N)	mg.L^{-1}	0.011667			40			<0.011667	<3.166813	31.112	TP25-20
Dissolved Organic Carbon (DOC)	mg.L^{-1}	0.1			40			3.7	18.3	100	VW25-21
Catechol	mg.L^{-1}	0.0005			40			<0.0005	<0.0005	<0.0005	n/a
Resorcinol	mg.L^{-1}	0.0005			40			<0.0005	<0.0005	<0.0005	n/a
Ethylphenol & Dimethylphenol	mg.L^{-1}	0.0005			40			<0.0005	<0.1259	5.015	MW25-27
Cresols (Total)	mg.L^{-1}	0.0005			40			<0.0005	<0.0585	2.322	MW25-27
2-Isopropylphenol	mg.L^{-1}	0.0005			40			<0.0005	<0.0005	<0.0005	n/a
Trimethylphenol (2,3,5-)	mg.L^{-1}	0.0005			40			<0.0005	<0.0005	<0.0005	n/a
Naphthols	mg.L^{-1}	0.0005			40			<0.0005	<0.0005	<0.0005	n/a
Phenol	mg.L^{-1}	0.0005			40			<0.0005	<0.0078	0.2918	MW25-22
Trimethylphenol	mg.L^{-1}										
Phenols (Total)	mg.L^{-1}	0.0035			40			<0.0035	<0.1931	7.3	MW25-27
Naphthalene	mg.L^{-1}	0.00001			40			<0.00001	<0.16254	2.1455	TP25-20
Acenaphthylene	mg.L^{-1}	0.00001			40			<0.00001	<0.00947	0.12106	MW25-10
Acenaphthene	mg.L^{-1}	0.00001			40			<0.00001	<0.0071	0.17546	TP25-18
Fluorene	mg.L^{-1}	0.00001			40			<0.00001	<0.00515	0.06652	TP25-18
Phenanthrene	mg.L^{-1}	0.00001			40			<0.00001	<0.00342	0.03357	TP25-18
Anthracene	mg.L^{-1}	0.00001			40			<0.00001	<0.00049	0.00685	MW25-10
Fluoranthene	mg.L^{-1}	0.00001			40			<0.00001	<0.00048	0.00517	MW25-27
Pyrene	mg.L^{-1}	0.00001			40			<0.00001	<0.00035	0.00329	MW25-27
Benzo[a]anthracene	mg.L^{-1}	0.00001			40			<0.00001	<0.00005	0.0008	MW25-30B
Chrysene	mg.L^{-1}	0.00001			40			<0.00001	<0.00004	0.0007	MW25-30B
Benzo[b]fluoranthene	mg.L^{-1}	0.00001			40			<0.00001	<0.00003	0.00053	MW25-30B
Benzo[k]fluoranthene	mg.L^{-1}	0.00001			40			<0.00001	<0.00002	0.00021	MW25-30B
Benzo[a]pyrene	mg.L^{-1}	0.00001			40			<0.00001	<0.00002	0.00061	MW25-30B
Indeno[1,2,3-cd]pyrene	mg.L^{-1}	0.00001			40			<0.00001	<0.00002	0.00017	MW25-30B
Dibenz(a,h)anthracene	mg.L^{-1}	0.00001			40			<0.00001	<0.00001	<0.00001	n/a
Benzo[ghi]perylene	mg.L^{-1}	0.00001			40			<0.00001	<0.00002	0.00013	MW25-24
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	mg.L^{-1}	0.00002			40			<0.00002	<0.00005	0.00074	n/a
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	mg.L^{-1}	0.00004			40			<0.00004	<0.00008	<0.001	MW25-30B
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	mg.L^{-1}	0.00002			40			<0.00002	<0.00004	0.00022	n/a
PAH 16 Total	mg.L^{-1}	0.00016			40			<0.00016	<0.1855	2.1595	TP25-20
Arsenic	mg.L^{-1}	0.001			40			<0.001	<0.008	0.055	MW25-29
Cadmium	mg.L^{-1}	0.00008			40			<0.00008	<0.00017	0.00354	MW25-07
Chromium (VI)	mg.L^{-1}	0.005			40			<0.005	<0.005	0.007	MW25-27
Chromium (Total)	mg.L^{-1}	0.0004			40			<0.0004	<0.0016	0.0072	MW25-27
Copper	mg.L^{-1}	0.0007			40			<0.0007	<0.0069	0.0278	MW25-24
Iron	mg.L^{-1}	0.004			40			0.034	1.282	19	TP25-20
Lead	mg.L^{-1}	0.001			40			<0.001	<0.005	0.11	MW25-19A
Mercury (inorganic)	mg.L^{-1}	0.0005			40			<0.0005	<0.0005	0.00159	MW25-36
Nickel	mg.L^{-1}	0.0003			40			<0.0003	<0.006	0.0961	MW25-07
Selenium	mg.L^{-1}	0.004			40			<0.004	<0.004	0.007	MW25-15C
Zinc	mg.L^{-1}	0.0004			40			<0.0004	<0.0246	0.7297	MW25-07
Benzene	mg.L^{-1}	0.001			40			<0.001	<0.009	0.13	MW25-10
Toluene	mg.L^{-1}	0.001			40			<0.001	<0.017	0.29	MW25-10
Ethylbenzene	mg.L^{-1}	0.001			40			<0.001	<0.013	0.12	MW25-10
Xylene (p & m-Xylene)	mg.L^{-1}	0.001			40			<0.001	<0.027	0.25	MW25-27
Xylene (o-Xylene)	mg.L^{-1}	0.001			40			<0.001	<0.02	0.17	MW25-10
Xylenes (Total of m and p, o-xylenes)	mg.L^{-1}	0.002			40			<0.002	<0.048	0.41	n/a
Methyl tert-butyl ether	mg.L^{-1}	0.003			22			<0.003	<0.003	<0.003	n/a
TPH (C10 - C40)	mg.L^{-1}	0.01			18			<0.01	<0.07	0.27	TP25-22
Aliphatic C5 - C6	mg.L^{-1}	0.001			23			<0.001	<0.012	0.04	MW25-05A
Aliphatic C6 - C8	mg.L^{-1}	0.001			23			<0.001	<0.001	<0.001	n/a
Aliphatic C8 – C10	mg.L^{-1}	0.001			23			<0.001	<0.002	0.034	TP25-20
Aliphatic C10 – C12	mg.L^{-1}	0.01			23			<0.001	<0	<0.01	MW25-01
Aliphatic C12 – C16	mg.L^{-1}	0.01			23			<0.01	<0.01	0.03	MW25-05A
Aliphatic C16 – C21	mg.L^{-1}	0.01			23			<0.01	<0.01	0.01	MW25-05A
Aliphatic C21 – C35	mg.L^{-1}	0.01			23			<0.01	<0.01	<0.01	n/a
Total TPH Aliphatic >EC10 - EC35	mg.L^{-1}	0.01			23			<0.01	<0.01	<0.01	n/a
Aromatic C5 - C7	mg.L^{-1}	0.001			23			<0.001	<2.38	13.1	MW25-27
Aromatic C7 - C8	mg.L^{-1}	0.001			23			<0.001	<0.015	0.13	MW25-10
Aromatic C8 – C10	mg.L^{-1}	0.001			23			<0.001	<0.029	0.29	MW25-10
Aromatic C10 – C12	mg.L^{-1}	0.01			23			<0.001	<0.11	0.55	MW25-10
Aromatic C12 – C16	mg.L^{-1}	0.01			23			<0.01	<1.42	10.1	MW25-27
Aromatic C16 – C21	mg.L^{-1}	0.01			23			<0.01	<0.55	2.07	MW25-13A
Aromatic C21 – C35	mg.L^{-1}	0.01			23			<0.01	<0.17	0.5	TP25-18
Total TPH Aromatic >EC10 - EC35	mg.L^{-1}	0.01			23			<0.01	<0.15	0.78	MW25-01

Sample Location	MW25-01	MW25-04A	MW25-07	MW25-35	TP25-19	TP25-22	VW25-20A	VW25-21	MW25-36	MW25-13A
Depth (m bgl)	0.45	0.70	1.50	1.00	1.60	2.40	0.75	0.75	2.90	2.70
Date Sampled	03/02/2025	03/02/2025	06/02/2025	27/02/2025	11/02/2025	12/02/2025	19/02/2025	19/02/2025	26/02/2025	11/02/2025
Stratum	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR
pH	8.30	7.80	4.50	6.50	7.40	7.80	7.90	7.10	7.80	8.40
Sulphate as SO_4	34.50	284.00	793.00	108.00	1810.00	1750.00	155.00	26.30	37.40	94.30
Total Suspended Solids	<2	<2	<2	<2	3.90	3.90	<2	<2	2.70	<2
Conductivity	270.00	640.00	1400.00	310.00	1800.00	2200.00	430.00	180.00	140.00	300.00
Cyanide (Total) (as CN)	0.052	0.18	<0.01	0.20	0.064	0.88	0.31	0.010	0.20	1.0
Complexed cyanide	0.052	0.18	<0.01	0.20	0.064	0.88	0.31	0.011	0.20	1.05
Easily liberatable cyanide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thiocyanate	0.40	<0.2	<0.2	<0.2	<0.2	0.40	<0.2	0.70	<0.2	0.30
Sulphur (Elemental)	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Sulphide	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	11.00	4.90	16.00	5.20	2.90	9.80	4.10	17.00	10.00	11.00
Ammoniacal Nitrogen as NH_4^+ / Ammonium as NH4	6.40	2.00	0.50	0.045	5.10	0.034	0.030	5.20	0.61	2.20
Ammoniacal N (total) as N	4.98	1.56	0.39	0.035	3.97	0.026	0.023	4.04	0.47	1.71
Un-ionised ammonia as nitrogen (NH3 as N)	4.98	1.56	0.39	0.035	3.97	0.026	0.023	4.04	0.47	1.71
Dissolved Organic Carbon (DOC)	77.00	5.90	6.10	3.70	7.80	19.00	5.20	100.00	5.10	16.00
Catechol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylphenol & Dimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Isopropylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol (2,3,5-)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol										
Phenols (Total)	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
Naphthalene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00024	0.00021	<0.00001	1.21
Acenaphthylene	0.00032	<0.00001	<0.00001	<0.00001	0.0013	0.00014	0.00027	<0.00001	<0.00001	0.044
Acenaphthene	0.0023	<0.00001	<0.00001	<0.00001	0.0013	0.00015	0.00058	<0.00001	<0.00001	0.010
Fluorene	0.0015	<0.00001	<0.00001	<0.00001	0.00048	0.00013	0.00025	0.000040	<0.00001	0.017
Phenanthrene	0.00089	<0.00001	<0.00001	<0.00001	0.00072	0.00029	0.00053	<0.00001	<0.00001	0.011
Anthracene	0.00042	<0.00001	<0.00001	<0.00001	<0.00001	0.00012	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	0.00047	<0.00001	<0.00001	<0.00001	0.00077	0.00014	0.00030	<0.00001	<0.00001	<0.00001
Pyrene	0.00028	<0.00001	<0.00001	<0.00001	0.00058	0.00010	0.00019	<0.00001	<0.00001	<0.00001
Benzo[a]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chrysene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[b]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz(a,h)anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	<0.00001	<0.00001	<0.00001	<0.00001	0.00012	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	<0.00004	<0.00004	<0.00004	<0.00004	<0.00024	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	<0.00002	<0.00002	<0.00002	<0.00002	0.00022	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PAH 16 Total	0.0061	<0.00016	<0.00016	<0.00016	0.0054	0.0011	0.0024	0.00025	<0.00016	1.29
Arsenic	0.0090	0.0070	0.0020	<0.001	0.034	0.0030	0.0020	0.034	<0.001	0.0030
Cadmium	<0.00008	<0.00008	0.0035	<0.00008	<0.00008	0.00015	<0.00008	<0.00008	<0.00008	<0.00008
Chromium (VI)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	U/S	<0.005	<0.005
Chromium (Total)	0.0043	<0.0004	<0.0004	0.0012	<0.0004	0.00080	0.00070	0.0018	0.00050	<0.0004
Copper	0.0065	0.00080	0.0041	0.0016	0.0082	0.013	0.0037	0.0097	0.0095	0.0024
Iron	1.40	0.12	0.034	0.15	0.079	0.47	0.41	5.00	0.19	0.54
Lead	0.0040	<0.001	0.017	<0.001	0.010	<0.001	0.0030	0.0020	<0.001	<0.001
Mercury (inorganic)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0016	<0.0005
Nickel	0.0052	0.00070	0.096	0.011	0.0072	0.010	0.0019	0.0036	0.011	0.0016
Selenium	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0050	<0.004
Zinc	0.0082	0.0037	0.73	0.021	0.016	0.0039	0.0047	0.0046	0.0028	0.0013
Benzene	<0.001	0.0010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.041
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.095
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.065
Xylene (p & m-Xylene)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.16
Xylene (o-Xylene)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.15
Xylenes (Total of m and p, o-xylenes)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.31
Methyl tert-butyl ether					<0.003		<0.003	<0.003	<0.003	<0.003
TPH (C10 - C40)		0.07	<0.01	<0.01		0.27	0.11			
Aliphatic C5 - C6	<0.001				<0.01		<0.01	<0.01	<0.01	<0.01
Aliphatic C6 - C8	<0.001				<0.001		<0.001	<0.001	<0.001	<0.001
Aliphatic C8 – C10	<0.001				<0.001		<0.001	<0.001	<0.001	<0.001
Aliphatic C10 – C12	<0.01				<0.001		<0.001	<0.001	<0.001	<0.001
Aliphatic C12 – C16	<0.01				<0.01		<0.01	<0.01	<0.01	<0.01
Aliphatic C16 – C21	<0.01				<0.01		<0.01	<0.01	<0.01	<0.01
Aliphatic C21 – C35	<0.01				<0.01		<0.01	<0.01	<0.01	<0.01
Total TPH Aliphatic >EC10 - EC35	<0.01				<0.01		<0.01	<0.01	<0.01	<0.01
Aromatic C5 - C7	<0.001				0.56		0.11	0.060	<0.01	7.43
Aromatic C7 - C8	<0.001				<0.001		<0.001	<0.001	<0.001	0.042
Aromatic C8 – C10	<0.001				<0.001		<0.001	<0.001	<0.001	0.095
Aromatic C10 – C12	0.090				<0.001		<0.001	<0.001	<0.001	0.42
Aromatic C12 – C16	0.22				0.15		0.040	0.030	<0.01	4.11
Aromatic C16 – C21	0.13				0.13		0.040	0.030	<0.01	2.07
Aromatic C21 – C35	0.34				0.12		0.030	<0.01	<0.01	0.49
Total TPH Aromatic >EC10 - EC35	0.78				0.17		<0.01	<0.01	<0.01	0.19

Sample Location	MW25-33	MW25-10	MW25-30B	MW25-17	MW25-22	MW25-23B	MW25-25	TP25-25	MW25-18	MW25-11
Depth (m bgl)	4.00	2.50	2.20	0.80	1.40-4.00	4.70	2.40	1.40	3.45	0.20
Date Sampled	24/02/2025	07/02/2025	21/02/2025	13/02/2025	18/02/2025	18/02/2025	19/02/2025	14/02/2025	14/02/2025	10/02/2025
Stratum	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	WCM	MGR
pH	8.10	10.00	9.70	8.00	10.50	7.20	8.10	7.90	8.40	7.80
Sulphate as SO_4	17.80	186.00	236.00	285.00	140.00	25.00	1.76	2.59	23.90	653.00
Total Suspended Solids	9.10	<2	17.70	10.60	<2	<2	<2	<2	<2	
Conductivity	77.00	440.00	420.00	620.00	420.00	52.00	43.00	110.00	170.00	1200.00
Cyanide (Total) (as CN)	0.015	0.87	0.33	0.11	0.21	0.053	<0.01	<0.01	0.19	0.85
Complexed cyanide	0.015	0.87	0.33	0.11	0.21	0.053	<0.01	<0.01	0.19	0.85
Easily liberatable cyanide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thiocyanate	<0.2	0.40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Sulphur (Elemental)	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Sulphide	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	0.39	34.00	19.00	26.00	32.00	5.90	0.69	0.95	8.70	1.90
Ammoniacal Nitrogen as NH_4^+ / Ammonium as NH4	<0.015	3.00	1.70	1.0	1.40	0.82	0.023	0.026	1.60	0.054
Ammoniacal N (total) as N	<0.011667	2.33	1.32	0.78	1.09	0.64	0.018	0.020	1.24	0.042
Un-ionised ammonia as nitrogen (NH3 as N)	<0.011667	2.33	1.32	0.78	1.09	0.64	0.018	0.020	1.24	0.042
Dissolved Organic Carbon (DOC)	3.80	18.00	13.00	11.00	16.00	5.90	4.90	48.00	51.00	7.10
Catechol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylphenol & Dimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Isopropylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol (2,3,5-)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenol	<0.0005	<0.0005	<0.0005	<0.0005	0.29	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol										
Phenols (Total)	<0.0035	<0.0035	<0.0035	<0.0035	0.29	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
Naphthalene	0.00057	0.98	0.71	0.030	0.020	0.0030	0.0011	0.00016	<0.00001	<0.00001
Acenaphthylene	0.000040	0.12	0.080	0.016	0.00022	0.0069	0.000030	0.000060	<0.00001	<0.00001
Acenaphthene	0.000060	0.019	0.015	0.0036	0.0058	0.0061	<0.00001	0.000030	0.00021	0.00054
Fluorene	0.000060	0.038	0.020	0.0055	0.0025	0.016	0.000030	0.000050	0.00025	0.00020
Phenanthrene	0.00010	0.021	0.015	0.0036	0.0053	0.011	0.000080	0.00016	0.00012	0.00060
Anthracene	<0.00001	0.0069	<0.00001	<0.00001	0.0013	0.0022	<0.00001	<0.00001	0.000040	0.00026
Fluoranthene	<0.00001	0.0020	0.0032	0.00053	0.00077	0.00039	<0.00001	0.000060	0.000040	0.00047
Pyrene	<0.00001	0.0019	0.0031	0.00040	0.00040	0.00022	<0.00001	0.000040	<0.00001	0.00030
Benzo[a]anthracene	<0.00001	0.00021	0.00080	0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chrysene	<0.00001	0.00016	0.00070	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[b]fluoranthene	<0.00001	<0.00001	0.00053	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	<0.00001	0.00021	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	<0.00001	0.00061	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	<0.00001	<0.00001	0.00017	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz(a,h)anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	<0.00002	<0.00002	0.00074	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	<0.00004	<0.00004	<0.001	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	<0.00002	<0.00002	<0.00018	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PAH 16 Total	0.00082	1.19	0.85	0.060	0.036	0.045	0.0012	0.00055	0.00066	0.0024
Arsenic	0.0050	0.018	0.022	0.010	0.0090	<0.001	0.0030	0.0010	0.0040	0.0010
Cadmium	0.00011	<0.00008	<0.00008	0.000090	<0.00008	<0.00008	<0.00008	0.00010	<0.00008	<0.00008
Chromium (VI)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (Total)	<0.0004	0.0010	0.0014	<0.0004	0.0034	0.0012	0.0014	0.0012	0.0012	<0.0004
Copper	0.0017	0.015	0.015	0.0024	0.015	0.010	0.0020	0.0032	0.0038	0.0026
Iron	0.14	0.48	0.12	0.063	0.18	0.76	0.92	0.61	1.10	0.60
Lead	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	0.0010	<0.001	0.0010	0.0020
Mercury (inorganic)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Nickel	0.0017	0.0016	0.0020	0.0022	0.0023	0.0016	0.00090	0.0011	0.0015	0.0023
Selenium	<0.004	0.0050	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Zinc	0.0020	<0.0004	<0.0004	0.0012	0.0072	0.0092	0.0017	0.0089	0.0022	<0.0004
Benzene	<0.001	0.13	0.063	0.0030	0.0040	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	<0.001	0.29	0.15	0.0010	0.0040	0.0020	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	0.12	0.087	0.0050	0.0010	0.020	<0.001	<0.001	<0.001	<0.001
Xylene (p & m-Xylene)	<0.001	0.24	0.15	0.0020	0.0030	0.020	<0.001	<0.001	<0.001	<0.001
Xylene (o-Xylene)	<0.001	0.17	0.11	0.0050	0.0030	0.029	<0.001	<0.001	<0.001	<0.001
Xylenes (Total of m and p, o-xylenes)	<0.002	0.41	0.26	0.007	0.006	0.049	<0.002	<0.002	<0.002	<0.002
Methyl tert-butyl ether	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			<0.003	
TPH (C10 - C40)							0.08	0.09		0.04
Aliphatic C5 - C6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	
Aliphatic C6 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	
Aliphatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	
Aliphatic C10 – C12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	
Aliphatic C12 – C16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	
Aliphatic C16 – C21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	
Aliphatic C21 – C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	
Total TPH Aliphatic >EC10 - EC35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	
Aromatic C5 - C7	<0.01	6.60	4.74	0.77	1.08	1.42			0.13	
Aromatic C7 - C8	<0.001	0.13	0.064	0.0029	0.0041	<0.001			<0.001	
Aromatic C8 – C10	<0.001	0.29	0.15	<0.001	0.0038	0.0025			<0.001	
Aromatic C10 – C12	<0.001	0.55	0.37	0.015	0.011	0.076			<0.001	
Aromatic C12 – C16	<0.01	3.54	2.44	0.17	0.44	0.63			0.060	
Aromatic C16 – C21	<0.01	1.57	1.12	0.32	0.22	0.54			0.080	
Aromatic C21 – C35	<0.01	0.36	0.28	0.12	0.18	0.060			<0.01	
Total TPH Aromatic >EC10 - EC35	<0.01	0.16	0.31	0.14	0.22	0.11			<0.01	

Sample Location	MW25-12	TP25-20	MW25-16A	MW25-20	MW25-21	MW25-27	MW25-27	MW25-29	MW25-31A	VW25-18
Depth (m bgl)	1.00	1.80	2.00	1.00	0.30	0.50	3.30	0.30	1.30	1.00
Date Sampled	11/02/2025	12/02/2025	12/02/2025	17/02/2025	17/02/2025	19/02/2025	19/02/2025	20/02/2025	21/02/2025	18/02/2025
Stratum	MGR	MGR	MGR	MGR	MGR	MGR	WCM	MGR	MGR	MGR
pH	7.60	9.70	9.00	8.10	8.90	7.50	8.80	8.50	9.70	8.00
Sulphate as SO_4	1290.00	1760.00	219.00	33.90	4.72	560.00	23.80	163.00	46.70	125.00
Total Suspended Solids	2.90	4.70	<2	<2	4.50	<2	15.10	4.30	4.30	<2
Conductivity	1700.00	2100.00	340.00	140.00	100.00	1100.00	270.00	410.00	170.00	390.00
Cyanide (Total) (as CN)	0.090	50.00	1.90	0.035	<0.01	0.042	<0.01	0.057	0.081	<0.01
Complexed cyanide	0.091	50.26	1.95	0.035	<0.01	0.042	<0.01	0.057	0.081	<0.01
Easily liberatable cyanide	<0.01	0.087	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thiocyanate	<0.2	9.00	0.50	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Sulphur (Elemental)	<20	<20	<20	I/S *I/S	<20	<20	<20	<20	<20	<20
Sulphide	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	16.00	69.00	69.00	3.30	5.50	9.00	19.00	1.70	2.00	27.00
Ammoniacal Nitrogen as NH_4^+ / Ammonium as NH4	3.00	40.00	27.00	<0.015	0.086	0.10	37.00	<0.015	0.62	4.20
Ammoniacal N (total) as N	2.33	31.11	21.00	<0.011667	0.067	0.078	28.78	<0.011667	0.48	3.27
Un-ionised ammonia as nitrogen (NH3 as N)	2.33	31.11	21.00	<0.011667	0.067	0.078	28.78	<0.011667	0.48	3.27
Dissolved Organic Carbon (DOC)	8.00	27.00	40.00	6.90	18.00	4.80	22.00	4.60	4.80	6.20
Catechol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylphenol & Dimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	5.02	<0.0005	<0.0005	<0.0005
Cresols (Total)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	2.32	<0.0005	<0.0005	<0.0005
2-Isopropylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol (2,3,5-)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol										
Phenols (Total)	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	7.30	<0.0035	<0.0035	<0.0035
Naphthalene	<0.00001	2.15	0.43	I/S	0.00032	0.0024	U/S	<0.00001	0.00046	0.0085
Acenaphthylene	<0.00001	<0.00001	0.0033	I/S	0.00011	0.000060	0.079	<0.00001	<0.00001	0.0049
Acenaphthene	0.00017	0.0032	0.0053	I/S	0.000070	0.000080	0.028	<0.00001	<0.00001	0.0032
Fluorene	0.000070	0.0037	0.0095	I/S	0.00014	0.000050	0.015	<0.00001	<0.00001	0.0042
Phenanthrene	0.00011	0.0046	0.0066	I/S	0.00027	0.00013	0.013	<0.00001	<0.00001	0.0025
Anthracene	<0.00001	0.0012	<0.00001	I/S	0.000060	<0.00001	<0.00001	<0.00001	<0.00001	0.00065
Fluoranthene	<0.00001	0.00082	0.00056	I/S	0.00013	0.000050	0.0052	<0.00001	<0.00001	0.00056
Pyrene	<0.00001	0.00039	<0.00001	I/S	0.00011	<0.00001	0.0033	<0.00001	<0.00001	0.00036
Benzo[a]anthracene	<0.00001	<0.00001	<0.00001	I/S	<0.00001	<0.00001	0.00059	<0.00001	<0.00001	<0.00001
Chrysene	<0.00001	<0.00001	<0.00001	I/S	<0.00001	<0.00001	0.00049	<0.00001	<0.00001	<0.00001
Benzo[b]fluoranthene	<0.00001	<0.00001	<0.00001	I/S	<0.00001	<0.00001	0.00026	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	<0.00001	<0.00001	I/S	<0.00001	<0.00001	0.00011	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	<0.00001	<0.00001	I/S	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	<0.00001	<0.00001	<0.00001	I/S	<0.00001	<0.00001	0.000060	<0.00001	<0.00001	<0.00001
Dibenz(a,h)anthracene	<0.00001	<0.00001	<0.00001	I/S	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	<0.00001	<0.00001	<0.00001	I/S	<0.00001	<0.00001	0.000090	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	<0.00002	<0.00002	<0.00002		<0.00002	<0.00002	0.00037	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	<0.00004	<0.00004	<0.00004		<0.00004	<0.00004	<0.00027	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	<0.00002	<0.00002	<0.00002		<0.00002	<0.00002	0.00015	<0.00002	<0.00002	<0.00002
PAH 16 Total	0.00036	2.16	0.46	I/S *I/S	0.0012	0.0027	U/S	<0.00016	0.00046	0.025
Arsenic	0.0050	<0.001	0.011	0.0040	0.0070	0.0030	0.0050	0.055	0.0060	<0.001
Cadmium	<0.00008	<0.00008	0.00012	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Chromium (VI)	<0.005	<0.005	<0.005	<0.005	U/S *U/S ff	<0.005	0.0070	<0.005	<0.005	<0.005
Chromium (Total)	<0.0004	<0.0004	0.0024	0.0014	0.0039	0.00070	0.0072	0.0015	0.0020	0.00070
Copper	0.0050	<0.0007	0.013	0.0027	0.013	0.0015	0.012	<0.0007	0.0020	0.011
Iron	0.10	19.00	2.70	0.36	1.90	0.094	5.70	0.046	0.42	0.56
Lead	0.0020	0.0010	0.0040	0.010	0.0030	0.0030	0.0040	<0.001	0.0030	0.0020
Mercury (inorganic)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Nickel	0.00060	0.018	0.011	0.0024	0.0018	0.00070	0.0082	<0.0003	0.00030	0.0014
Selenium	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Zinc	0.0066	<0.0004	0.020	0.0079	0.0084	0.0031	0.017	<0.0004	0.0018	0.0057
Benzene	<0.001	0.025	0.012	<0.001	<0.001	<0.001	0.045	<0.001	<0.001	0.0050
Toluene	<0.001	0.051	<0.001	<0.001	<0.001	<0.001	0.062	<0.001	<0.001	0.0020
Ethylbenzene	<0.001	0.060	<0.001	<0.001	<0.001	<0.001	0.052	<0.001	<0.001	0.057
Xylene (p & m-Xylene)	<0.001	0.23	<0.001	<0.001	<0.001	<0.001	0.25	<0.001	<0.001	0.0020
Xylene (o-Xylene)	<0.001	0.16	0.0060	<0.001	<0.001	<0.001	0.14	<0.001	<0.001	0.0060
Xylenes (Total of m and p, o-xylenes)	<0.002	0.39	<0.007	<0.002	<0.002	<0.002	0.39	<0.002	<0.002	0.008
Methyl tert-butyl ether		<0.003	<0.003				<0.003		<0.003	<0.003
TPH (C10 - C40)	<0.01			0.12	0.13	0.07		<0.01		
Aliphatic C5 - C6		0.030	<0.01				<0.01		<0.01	<0.01
Aliphatic C6 - C8		<0.001	<0.001				<0.001		<0.001	<0.001
Aliphatic C8 – C10		0.034	<0.001				<0.001		<0.001	<0.001
Aliphatic C10 – C12		<0.001	<0.001				<0.001		<0.001	<0.001
Aliphatic C12 – C16		<0.01	<0.01				<0.01		<0.01	<0.01
Aliphatic C16 – C21		<0.01	<0.01				<0.01		<0.01	<0.01
Aliphatic C21 – C35		<0.01	<0.01				<0.01		<0.01	<0.01
Total TPH Aliphatic >EC10 - EC35		<0.01	<0.01				<0.01		<0.01	<0.01
Aromatic C5 - C7		5.22	3.74				13.10		<0.01	1.21
Aromatic C7 - C8		0.031	0.013				0.045		<0.001	0.0058
Aromatic C8 – C10		0.052	<0.001				0.064		<0.001	0.0038
Aromatic C10 – C12		0.47	0.010				0.48		<0.001	0.099
Aromatic C12 – C16		3.46	2.14				10.10		<0.01	0.49
Aromatic C16 – C21		0.79	0.80				1.85		<0.01	0.27
Aromatic C21 – C35		0.21	0.46				0.25		<0.01	0.16
Total TPH Aromatic >EC10 - EC35		0.21	0.32				0.24		<0.01	0.19

Sample Location	MW25-34	TP25-18	MW25-09C	MW25-15C	VW25-17	VW25-25	MW25-05A	MW25-08	MW25-19A	MW25-24
Depth (m bgl)	1.30	2.50	8.40	0.70	0.25	0.20	1.50	1.00	1.30	0.40
Date Sampled	25/02/2025	11/02/2025	07/02/2025	25/02/2025	18/02/2025	21/02/2025	05/02/2025	06/02/2025	14/02/2025	18/02/2025
Stratum	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR
pH	9.70	7.70	8.10	7.70	7.50	8.20	7.80	7.80	8.30	8.10
Sulphate as SO_4	50.70	42.20	43.90	609.00	14.00	17.00	381.00	674.00	22.70	9.36
Total Suspended Solids	3.60	<2	<2	<2	11.40	<2	<2	<2	6.50	<2
Conductivity	180.00	160.00	290.00	1100.00	140.00	180.00	880.00	1300.00	210.00	120.00
Cyanide (Total) (as CN)	0.54	<0.01	0.099	0.45	0.027	0.21	0.22	0.80	0.016	0.066
Complexed cyanide	0.54	<0.01	0.099	0.45	0.027	0.21	0.22	0.79	0.016	0.066
Easily liberatable cyanide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.011	<0.01	<0.01
Thiocyanate	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.40	0.40	<0.2	<0.2
Sulphur (Elemental)	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Sulphide	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	3.70	15.00	7.80	7.30	19.00	14.00	43.00	50.00	10.00	3.90
Ammoniacal Nitrogen as NH_4^+ / Ammonium as NH4	0.037	1.80	3.10	0.021	0.36	<0.015	5.40	8.00	0.044	0.29
Ammoniacal N (total) as N	0.029	1.40	2.41	0.016	0.28	<0.011667	4.20	6.22	0.034	0.23
Un-ionised ammonia as nitrogen (NH3 as N)	0.029	1.40	2.41	0.016	0.28	<0.011667	4.20	6.22	0.034	0.23
Dissolved Organic Carbon (DOC)	4.20	24.00	26.00	4.60	11.00	17.00	15.00	10.00	40.00	15.00
Catechol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylphenol & Dimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Isopropylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol (2,3,5-)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol										
Phenols (Total)	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
Naphthalene	0.11	0.71	<0.00001	<0.00001	0.00028	0.00012	0.13	0.0012	0.00014	0.00031
Acenaphthylene	0.0064	0.013	0.00015	<0.00001	0.000070	<0.00001	0.00080	0.00021	0.000020	<0.00001
Acenaphthene	0.0012	0.18	0.00040	<0.00001	0.000070	<0.00001	0.0017	0.00045	0.000020	0.000060
Fluorene	0.0018	0.067	0.00013	0.000050	0.000080	0.000050	0.0020	0.00056	0.000030	0.000060
Phenanthrene	0.0015	0.034	<0.00001	<0.00001	0.00021	0.00014	0.0020	0.0011	0.00016	0.00012
Anthracene	<0.00001	0.0063	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000030	0.000030
Fluoranthene	0.00026	0.0013	0.00028	<0.00001	0.000090	<0.00001	0.00050	0.00020	0.00014	0.00010
Pyrene	0.00020	0.0015	<0.00001	<0.00001	0.000080	<0.00001	0.00032	0.00014	0.00013	0.00010
Benzo[a]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000080	<0.00001
Chrysene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000060	<0.00001
Benzo[b]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000080
Dibenz(a,h)anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00013
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00023
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00021
PAH 16 Total	0.12	1.01	0.00096	<0.00016	0.00088	0.00032	0.14	0.0038	0.00082	0.0010
Arsenic	0.0050	0.0040	0.0030	0.0020	<0.001	0.022	0.013	0.0050	0.0020	0.0050
Cadmium	0.00013	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Chromium (VI)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (Total)	0.0022	0.0020	<0.0004	0.0015	0.0036	0.0029	<0.0004	<0.0004	0.0035	0.0023
Copper	0.0053	0.0054	0.0058	0.013	0.0099	0.0089	0.00080	0.0020	0.0038	0.028
Iron	0.56	0.93	0.17	0.27	1.30	0.72	0.17	0.42	1.20	1.30
Lead	<0.001	0.0020	<0.001	0.0020	<0.001	0.0050	<0.001	<0.001	0.11	0.010
Mercury (inorganic)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Nickel	<0.0003	0.0018	0.0015	0.0048	0.0018	0.0013	0.011	0.0017	0.0020	0.0027
Selenium	<0.004	<0.004	0.0060	0.0070	<0.004	<0.004	<0.004	0.0050	<0.004	<0.004
Zinc	0.0038	0.0076	0.00050	0.011	0.0074	0.027	0.0026	0.0016	0.0053	0.015
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	0.0010	0.0020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	0.0040	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene (p & m-Xylene)	0.0010	0.0020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene (o-Xylene)	<0.001	0.0040	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (Total of m and p, o-xylenes)	<0.002	0.006	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Methyl tert-butyl ether	<0.003	<0.003	<0.003				<0.003	<0.003		
TPH (C10 - C40)				<0.01	0.07	<0.01			0.07	0.05
Aliphatic C5 - C6	<0.01	<0.01	<0.01				0.040	<0.01		
Aliphatic C6 - C8	<0.001	<0.001	<0.001				<0.001	<0.001		
Aliphatic C8 – C10	<0.001	<0.001	<0.001				<0.001	<0.001		
Aliphatic C10 – C12	<0.001	<0.001	<0.001				<0.001	<0.001		
Aliphatic C12 – C16	<0.01	<0.01	<0.01				0.030	<0.01		
Aliphatic C16 – C21	<0.01	<0.01	<0.01				0.010	<0.01		
Aliphatic C21 – C35	<0.01	<0.01	<0.01				<0.01	<0.01		
Total TPH Aliphatic >EC10 - EC35	<0.01	<0.01	<0.01				<0.01	<0.01		
Aromatic C5 - C7	0.54	4.50	0.91				2.57	<0.01		
Aromatic C7 - C8	<0.001	0.0014	<0.001				<0.001	<0.001		
Aromatic C8 – C10	0.0013	0.0024	<0.001				<0.001	<0.001		
Aromatic C10 – C12	0.0029	0.013	<0.001				<0.001	<0.001		
Aromatic C12 – C16	0.27	1.81	0.60				1.98	<0.01		
Aromatic C16 – C21	0.17	1.92	0.26				0.36	<0.01		
Aromatic C21 – C35	0.090	0.50	0.060				0.11	<0.01		
Total TPH Aromatic >EC10 - EC35	<0.01	0.25	<0.01				0.11	<0.01		

MGR = Made Ground
WCM = Wolston Clay Member
WSG =Wolston Sand and Gravel

Table E: Soil Leachate Analytical Data - Area C

NUMBER OF SAMPLES:	1										Sample Location	MW25-28A
											Depth (m bgl)	0.60
											Date Sampled	20/02/2025
			CRITERIA 1	CRITERIA 2		CRITERIA 1	CRITERIA 2				Stratum	MGR
Analytical Parameter	**Units**	**Limit of detection**	**0**	**0**	**No. Analyses**	**Exceedances**	**Exceedances**	**Min**	**Mean**	**Max**	**Max ID**	
pH	pH Units	N/A			1			8.4	8.4	8.4	MW25-28A	8.40
Sulphate as SO_4	$mg.L^{-1}$	0.045			1			21.8	21.8	21.8	MW25-28A	21.80
Total Suspended Solids	$mg.L^{-1}$	2			1			11.2	11.2	11.2	MW25-28A	11.20
Conductivity	$\mu S.cm^{-1}$	10			1			360	360	360	MW25-28A	360.00
Cyanide (Total) (as CN)	$mg.L^{-1}$	0.01			1			0.021	0.02	0.021	MW25-28A	0.021
Complexed cyanide	$mg.L^{-1}$	0.01			1			0.0215	0.02	0.0215	MW25-28A	0.022
Easily liberatable cyanide	$mg.L^{-1}$	0.01			1			<0.01	<0.01	<0.01	n/a	<0.01
Thiocyanate	$mg.L^{-1}$	0.2			1			<0.2	<0.2	<0.2	n/a	<0.2
Sulphur (Elemental)	$mg.L^{-1}$	20			1			<20	<20	<20	n/a	<20
Sulphide	$mg.L^{-1}$	0.005			1			<0.005	<0.005	<0.005	n/a	<0.005
Chloride	$mg.L^{-1}$	0.15			1			36	36	36	MW25-28A	36.00
Ammoniacal Nitrogen as NH_4^+ / Ammonium as NH4	$mg.L^{-1}$	0.015			1			0.54	0.54	0.54	MW25-28A	0.54
Ammoniacal N (total) as N	$mg.L^{-1}$	0.011667			1			0.420012	0.420012	<0.420012	n/a	0.42
Un-ionised ammonia as nitrogen (NH3 as N)	$mg.L^{-1}$	0.011667			1			0.420012	0.420012	<0.420012	n/a	0.42
Dissolved Organic Carbon (DOC)	$mg.L^{-1}$	0.1			1			37	37	37	MW25-28A	37.00
Catechol	$mg.L^{-1}$	0.0005			1			<0.0005	<0.0005	<0.0005	n/a	<0.0005
Resorcinol	$mg.L^{-1}$	0.0005			1			<0.0005	<0.0005	<0.0005	n/a	<0.0005
Ethylphenol & Dimethylphenol	$mg.L^{-1}$	0.0005			1			<0.0005	<0.0005	<0.0005	n/a	<0.0005
Cresols (Total)	$mg.L^{-1}$	0.0005			1			<0.0005	<0.0005	<0.0005	n/a	<0.0005
2-Isopropylphenol	$mg.L^{-1}$	0.0005			1			<0.0005	<0.0005	<0.0005	n/a	<0.0005
Trimethylphenol (2,3,5-)	$mg.L^{-1}$	0.0005			1			<0.0005	<0.0005	<0.0005	n/a	<0.0005
Naphthols	$mg.L^{-1}$	0.0005			1			<0.0005	<0.0005	<0.0005	n/a	<0.0005
Phenol	$mg.L^{-1}$	0.0005			1			<0.0005	<0.0005	<0.0005	n/a	<0.0005
Phenols (Total)	$mg.L^{-1}$	0.0035			1			<0.0035	<0.0035	<0.0035	n/a	<0.0035
Naphthalene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Acenaphthylene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Acenaphthene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Fluorene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Phenanthrene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Anthracene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Fluoranthene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Pyrene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Benzo[a]anthracene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Chrysene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Benzo[b]fluoranthene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Benzo[k]fluoranthene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Benzo[a]pyrene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Indeno[1,2,3-cd]pyrene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Dibenz(a,h)anthracene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Benzo[ghi]perylene	$mg.L^{-1}$	0.00001			1			<0.00001	<0.00001	<0.00001	n/a	<0.00001
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	$mg.L^{-1}$	0.00002			1			<0.00002	<0.00002	<0.00002	n/a	<0.00002
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	$mg.L^{-1}$	0.00004			1			<0.00004	<0.00004	<0.00004	n/a	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	$mg.L^{-1}$	0.00002			1			<0.00002	<0.00002	<0.00002	n/a	<0.00002
PAH 16 Total	$mg.L^{-1}$	0.00016			1			<0.00016	<0.00016	<0.00016	n/a	<0.00016
Arsenic	$mg.L^{-1}$	0.001			1			<0.001	<0.001	<0.001	n/a	<0.001
Cadmium	$mg.L^{-1}$	0.00008			1			<0.00008	<0.00008	<0.00008	n/a	<0.00008
Chromium (VI)	$mg.L^{-1}$	0.005			1			<0.005	<0.005	<0.005	n/a	<0.005
Chromium (Total)	$mg.L^{-1}$	0.0004			1			0.0013	0.0013	0.0013	MW25-28A	0.0013
Copper	$mg.L^{-1}$	0.0007			1			0.011	0.011	0.011	MW25-28A	0.011
Iron	$mg.L^{-1}$	0.004			1			1.4	1.4	1.4	MW25-28A	1.40
Lead	$mg.L^{-1}$	0.001			1			0.015	0.015	0.015	MW25-28A	0.015
Mercury (inorganic)	$mg.L^{-1}$	0.0005			1			<0.0005	<0.0005	<0.0005	n/a	<0.0005
Nickel	$mg.L^{-1}$	0.0003			1			0.004	0.004	0.004	MW25-28A	0.0040
Selenium	$mg.L^{-1}$	0.004			1			<0.004	<0.004	<0.004	n/a	<0.004
Zinc	$mg.L^{-1}$	0.0004			1			0.0031	0.0031	0.0031	MW25-28A	0.0031
Benzene	$mg.L^{-1}$	0.001			1			<0.001	<0.001	<0.001	n/a	<0.001
Toluene	$mg.L^{-1}$	0.001			1			<0.001	<0.001	<0.001	n/a	<0.001
Ethylbenzene	$mg.L^{-1}$	0.001			1			<0.001	<0.001	<0.001	n/a	<0.001
Xylene (p & m-Xylene)	$mg.L^{-1}$	0.001			1			<0.001	<0.001	<0.001	n/a	<0.001
Xylene (o-Xylene)	$mg.L^{-1}$	0.001			1			<0.001	<0.001	<0.001	n/a	<0.001
Xylenes (Total of m and p, o-xylenes)	$mg.L^{-1}$	0.002			1			<0.002	<0.002	<0.002	n/a	<0.002
Methyl tert-butyl ether	$mg.L^{-1}$	0.003			1			<0.003	<0.003	<0.003	n/a	<0.003
Aliphatic C5 - C6	$mg.L^{-1}$	0.001			1			<0.01	<0.01	<0.01	n/a	<0.01
Aliphatic C6 - C8	$mg.L^{-1}$	0.001			1			<0.001	<0.001	<0.001	n/a	<0.001
Aliphatic C8 – C10	$mg.L^{-1}$	0.001			1			<0.001	<0.001	<0.001	n/a	<0.001
Aliphatic C10 – C12	$mg.L^{-1}$	0.01			1			<0.001	<0	<0.001	n/a	<0.001
Aliphatic C12 – C16	$mg.L^{-1}$	0.01			1			<0.01	<0.01	<0.01	n/a	<0.01
Aliphatic C16 – C21	$mg.L^{-1}$	0.01			1			<0.01	<0.01	<0.01	n/a	<0.01
Aliphatic C21 – C35	$mg.L^{-1}$	0.01			1			<0.01	<0.01	<0.01	n/a	<0.01
Total TPH Aliphatic >EC10 - EC35	$mg.L^{-1}$	0.01			1			<0.01	<0.01	<0.01	n/a	<0.01
Aromatic C5 - C7	$mg.L^{-1}$	0.001			1			<0.01	<0.01	<0.01	n/a	<0.01
Aromatic C7 - C8	$mg.L^{-1}$	0.001			1			<0.001	<0.001	<0.001	n/a	<0.001
Aromatic C8 – C10	$mg.L^{-1}$	0.001			1			<0.001	<0.001	<0.001	n/a	<0.001
Aromatic C10 – C12	$mg.L^{-1}$	0.01			1			<0.001	<0	<0.001	n/a	<0.001
Aromatic C12 – C16	$mg.L^{-1}$	0.01			1			<0.01	<0.01	<0.01	n/a	<0.01
Aromatic C16 – C21	$mg.L^{-1}$	0.01			1			<0.01	<0.01	<0.01	n/a	<0.01
Aromatic C21 – C35	$mg.L^{-1}$	0.01			1			<0.01	<0.01	<0.01	n/a	<0.01
Total TPH Aromatic >EC10 - EC35	$mg.L^{-1}$	0.01			1			<0.01	<0.01	<0.01	n/a	<0.01

MGR = Made Ground

Table F: Groundwater Analytical Data - Area A

NUMBER OF SAMPLES: 18												Sample Location	MW25-02	MW25-02	MW25-02	MW25-02-DUP	MW25-02-DUP	MW25-03	MW25-03	MW25-03	MW25-03-DUP	MW25-03-DUP	MW25-06	MW25-06	MW25-06	MW25-06-DUP	MW25-06-DUP
												Monitoring Round No.	1	2	3	2	3	1	2	3	1	3	1	2	3	2	3
												Date Sampled	17/03/2025	07/04/2025	28/04/2025	07/04/2025	28/04/2025	17/03/2025	07/04/2025	28/04/2025	17/03/2025	28/04/2025	17/03/2025	07/04/2025	28/04/2025	07/04/2025	28/04/2025
			CRITERIA 1	CRITERIA 2		CRITERIA 1	CRITERIA 2					Stratum	Wolston Clay Member					Wolston Clay Member					Wolston Clay Member				
Analytical Parameter	**Units**	**Limit of detection**	**0**	**0**	**No. Analyses**	**Exceedances**	**Exceedances**	**Min**	**Mean**	**Max**	**Max ID**																
pH	pH Units	N/A			18			5.9	7.2	8.900	Trip Blank	7.50	7.40	7.30	7.40	7.30	7.30	7.30	7.00	7.30	7.10	7.30	7.30	7.00	7.20	7.20
Conductivity	$\mu S.cm^{-1}$	10			18			<10	<928.3	1500	MW25-03	840.00	810.00	870.00	810.00	850.00	1200.00	1400.00	1500.00	1200.00	1500.00	1100.00	1100.00	1200.00	1100.00	1200.00
Cyanide (Total) (as CN)	$mg.L^{-1}$	0.01			18			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Complexed cyanide	$mg.L^{-1}$	0.01			18			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Easily liberatable cyanide	$mg.L^{-1}$	0.01			18			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thiocyanate	$mg.L^{-1}$	0.2			18			<0.2	<0.2	<0.2	n/a	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Sulphate	$mg.L^{-1}$	0.045			18			<0.045	<144.472	238	MW25-03	67.40	68.80	75.20	69.00	82.60	220.00	229.00	238.00	217.00	238.00	208.00	213.00	228.00	220.00	225.00
Sulphur (Elemental)	$mg.L^{-1}$	0.02			12			<0.02	<0.02	<0.02	n/a	<0.02		<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02		<0.02		<0.02
Sulphide	$mg.L^{-1}$	0.005			18			<0.005	<0.005	<0.005	n/a	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	$mg.L^{-1}$	0.15			18			<0.15	<90.25	200	MW25-03-DUP	93.00	90.00	92.00	89.00	92.00	140.00	180.00	190.00	140.00	200.00	61.00	63.00	66.00	65.00	63.00
Ammonium as NH4	$mg.L^{-1}$	0.015			18			<0.015	<0.136	0.28	MW25-02-DUP	0.20	0.18	0.23	0.21	0.28	0.24	0.15	0.22	0.21	0.041	0.068	0.078	0.12	0.073	0.10
Ammoniacal N (total) as N	$mg.L^{-1}$	0.011667			18			<0.011667	<0.10565 1	0.217784	MW25-02-DUP	0.16	0.14	0.18	0.16	0.22	0.19	0.12	0.17	0.16	0.032	0.053	0.061	0.093	0.057	0.078
Un-ionised ammonia as nitrogen (NH3 as N)	$mg.L^{-1}$	0.011667			18			<0.011667	<0.10565 1	0.217784	MW25-02-DUP	0.16	0.14	0.18	0.16	0.22	0.19	0.12	0.17	0.16	0.032	0.053	0.061	0.093	0.057	0.078
Total Organic Carbon (TOC)	$mg.L^{-1}$	0.1			18			0.69	2.1	5.24	MW25-03	2.22	2.14	2.15	2.67	2.05	5.24	2.39	2.22	2.42	2.11	2.28	2.19	1.85	2.06	1.80
Alkalinity as CaCO3	$mg.L^{-1}$	3			18			<3	<286.6	420	MW25-06	280.00	290.00	310.00	250.00	310.00	340.00	300.00	350.00	330.00	350.00	400.00	380.00	420.00	410.00	420.00
Dissolved Organic Carbon (DOC)	$mg.L^{-1}$	0.1			18			0.2	1.8	2.71	MW25-03	2.08	2.05	1.89	2.36	1.80	2.71	2.27	1.96	2.33	1.87	2.23	1.96	1.70	2.03	1.70
Total Suspended Solids	$mg.L^{-1}$	2			18			<2	<365.5	2500	MW25-03-DUP	77.00	140.00	19.00	470.00	140.00	220.00	720.00	1100.00	730.00	2500.00	280.00	23.00	55.00	49.00	39.00
Hardness - Total	$mgCaCO.L^{-1}$	1			18			<1	<406.3	758	MW25-03-DUP	321.00	305.00	375.00	304.00	382.00	520.00	608.00	595.00	569.00	758.00	489.00	497.00	597.00	498.00	488.00
Catechol	$mg.L^{-1}$	0.0005			18			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	$mg.L^{-1}$	0.0005			18			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	$mg.L^{-1}$	0.0005			18			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	$mg.L^{-1}$	0.0005			18			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Chlorophenol	$mg.L^{-1}$	0.0001			0			0	n/a	<0	n/a															
3,5-Dimethylphenol	$mg.L^{-1}$	0.0001			0			0	n/a	<0	n/a															
Isopropylphenol	$mg.L^{-1}$	0.0005			18			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenol	$mg.L^{-1}$	0.00005			0			0	n/a	<0	n/a															
Trimethylphenol	$mg.L^{-1}$	0.0005			18			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenols (Total)	$mg.L^{-1}$	0.0035			18			<0.0035	<0.0035	<0.0035	n/a	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
Naphthalene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00013	0.0019	MW25-06	<0.00001	<0.00001	0.00022	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0019	<0.00001	<0.00001	<0.00001
Acenaphthylene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Anthracene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Pyrene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]anthracene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00002	0.0001	MW25-06-DUP	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00010
Chrysene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00002	0.00011	MW25-06-DUP	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00011
Benzo[b]fluoranthene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz(a,h)anthracene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	$mg.L^{-1}$	0.00001			18			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	$mg.L^{-1}$	0.00002			18			<0.00002	<0.00002	<0.00002	n/a	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	$mg.L^{-1}$	0.00004			18			<0.00004	<0.00004	<0.00004	n/a	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]ovrene	$mg.L^{-1}$	0.00002			18			<0.00002	<0.00002	<0.00002	n/a	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PAH 16 Total	$mg.L^{-1}$	0.00016			18			<0.00016	<0.00026	0.0019	MW25-06	<0.00016	<0.00016	0.00022	<0.00016	<0.00016	<0.00016	<0.00016	<0.00016	<0.00016	<0.00016	<0.00016	0.0019	<0.00016	<0.00016	0.00020
Calcium	$mg.L^{-1}$	0.012			18			<0.012	<120.684	230	MW25-03-DUP	99.00	91.00	120.00	91.00	120.00	140.00	170.00	170.00	150.00	230.00	150.00	150.00	190.00	150.00	150.00
Iron	$mg.L^{-1}$	0.004			18			<0.004	<0.042	0.48	MW25-03-DUP	0.017	<0.004	0.0040	0.0080	0.0090	0.062	0.057	<0.004	0.0090	0.48	0.0060	0.017	0.040	0.019	0.0050
Magnesium	$mg.L^{-1}$																									
Arsenic	$mg.L^{-1}$	0.00015			18			<0.00015	<0.00179	0.0032	MW25-03	0.0012	0.0023	0.0011	0.0017	0.0015	0.0032	0.0025	0.0025	0.0031	0.0030	0.0014	0.0025	0.0021	0.0023	0.0014
Cadmium	$mg.L^{-1}$	0.00002			18			<0.00002	<0.00002	0.00003	MW25-03	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.000030	<0.00002	<0.00002	0.000030	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Chromium (VI)	$mg.L^{-1}$	0.005			18			<0.005	<0.005	<0.005	n/a	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (Total)	$mg.L^{-1}$	0.0002			18			<0.0002	<0.0003	0.00096	MW25-03	<0.0002	<0.0002	0.00030	<0.0002	<0.0002	0.00096	<0.0002	<0.0002	0.00032	0.00046	0.00022	<0.0002	<0.0002	<0.0002	0.00055
Copper	$mg.L^{-1}$	0.0005			18			0.0007	0.0018	0.0031	MW25-03	0.0015	0.0015	0.0026	0.0012	0.0023	0.0031	0.0011	0.0013	0.0030	0.0013	0.0027	0.0015	0.0019	0.0012	0.0020
Lead	$mg.L^{-1}$	0.0002			18			<0.0002	<0.0002	0.0003	MW25-03	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00030	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury (inorganic)	$mg.L^{-1}$	0.00005			18			<0.00005	<0.00005	<0.00005	n/a	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel	$mg.L^{-1}$	0.0005			18			<0.0005	<0.0022	0.0041	MW25-03	0.0014	0.0014	0.0013	0.0013	0.0012	0.0041	0.0027	0.0027	0.0039	0.0024	0.0031	0.0028	0.0029	0.0029	0.0031
Selenium	$mg.L^{-1}$	0.0006			18			<0.0006	<0.0006	<0.0006	n/a	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Zinc	$mg.L^{-1}$	0.0005			18			0.001	0.0044	0.0294	MW25-02	0.0016	0.0010	0.029	0.0014	0.0039	0.0064	0.0013	0.0020	0.0070	0.0038	0.0034	0.0013	0.0035	0.0015	0.0046
Benzene	$mg.L^{-1}$	0.001			6			<0.001	<0.001	<0.001	n/a			<0.001		<0.001			<0.001		<0.001			<0.001		<0.001
Toluene	$mg.L^{-1}$	0.001			6			<0.001	<0.001	<0.001	n/a			<0.001		<0.001			<0.001		<0.001			<0.001		<0.001
Ethylbenzene	$mg.L^{-1}$	0.001			6			<0.001	<0.001	<0.001	n/a			<0.001		<0.001			<0.001		<0.001			<0.001		<0.001
Xylene (p & m-Xylene)	$mg.L^{-1}$	0.001			6			<0.001	<0.001	<0.001	n/a			<0.001		<0.001			<0.001		<0.001			<0.001		<0.001
Xylene (o-Xylene)	$mg.L^{-1}$	0.001			6			<0.001	<0.001	<0.001	n/a			<0.001		<0.001			<0.001		<0.001			<0.001		<0.001
Xylenes (Total of m and p, o-xylenes)	$mg.L^{-1}$	0.002			18			<0.002	<0.001	<0.002	n/a			<0.002		<0.002			<0.002		<0.002			<0.002		<0.002
Methyl tert-butyl ether	$mg.L^{-1}$	0.003			5			<0.003	<0.003	<0.003	n/a	<0.003					<0.003			<0.003		<0.003				
TPH (C10 - C40)	$mg.L^{-1}$	0.01			18			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH Total C5 - C35	$mg.L^{-1}$	0.01			18			<0.01	<0.01	0.05	MW25-06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	<0.01	<0.01
Aliphatic C5 - C6	$mg.L^{-1}$	0.001			18			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C6 - C8	$mg.L^{-1}$	0.001			18			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C8 – C10	$mg.L^{-1}$	0.001			18			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C10 – C12	$mg.L^{-1}$	0.01			18			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C12 – C16	$mg.L^{-1}$	0.01			18			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C16 - C21	$mg.L^{-1}$	0.01			18			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C21 - C35	$mg.L^{-1}$	0.01			18			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C10 - C35	$mg.L^{-1}$	0.01			18			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C5 - C35	$mg.L^{-1}$	0.01			18			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C5 - C7	$mg.L^{-1}$	0.001			18			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table F: Groundwater Analytical Data - Area A

NUMBER OF SAMPLES: 18												Sample Location	MW25-02	MW25-02	MW25-02	MW25-02-DUP	MW25-02-DUP	MW25-03	MW25-03	MW25-03	MW25-03-DUP	MW25-03-DUP	MW25-06	MW25-06	MW25-06	MW25-06-DUP	MW25-06-DUP
												Monitoring Round No.	1	2	3	2	3	1	2	3	1	3	1	2	3	2	3
												Date Sampled	17/03/2025	07/04/2025	28/04/2025	07/04/2025	28/04/2025	17/03/2025	07/04/2025	28/04/2025	17/03/2025	28/04/2025	17/03/2025	07/04/2025	28/04/2025	07/04/2025	28/04/2025
			CRITERIA 1	CRITERIA 2		CRITERIA 1	CRITERIA 2					Stratum	Wolston Clay Member														
Analytical Parameter	**Units**	**Limit of detection**	**0**	**0**	**No. Analyses**	**Exceedances**	**Exceedances**	**Min**	**Mean**	**Max**	**Max ID**																
Aromatic C7 - C8	mg.L^{-1}	0.001			18			<0.001	<0.001	<0.001	n/a		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C8 – C10	mg.L^{-1}	0.001			18			<0.001	<0.001	<0.001	n/a		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C10 – C12	mg.L^{-1}	0.01			18			<0.01	<0.01	0.03	MW25-06		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.030	<0.01	<0.01	<0.01
Aromatic C12 – C16	mg.L^{-1}	0.01			18			<0.01	<0.01	0.02	MW25-06		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.020	<0.01	<0.01	<0.01
Aromatic C16 – C21	mg.L^{-1}	0.01			18			<0.01	<0.01	<0.01	n/a		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C21 – C35	mg.L^{-1}	0.01			18			<0.01	<0.01	<0.01	n/a		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aromatic C10 - C35	mg.L^{-1}	0.01			18			<0.01	<0.01	0.05	MW25-06		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.050	<0.01	<0.01	<0.01
Total Aromatic C5 - C35	mg.L^{-1}	0.01			18			<0.01	<0.01	0.05	MW25-06		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.050	<0.01	<0.01	<0.01
Chloromethane	mg.L^{-1}	0.003			1			<0.001	<0.001	<0.001	n/a																
Chloroethane	mg.L^{-1}	0.003			1			<0.001	<0.001	<0.001	n/a																
Bromomethane	mg.L^{-1}	0.003			1			<0.001	<0.001	<0.001	n/a																
Vinyl chloride (Chloroethene)	mg.L^{-1}	0.003			1			<0.001	<0.001	<0.001	n/a																
Trichlorofluoromethane	mg.L^{-1}	0.003			1			<0.001	<0.001	<0.001	n/a																
1,1-Dichloroethene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,1,2-Trichloro-1,2,2-trifluoroethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Trans 1,2-dichloroethylene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,1-Dichloroethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
2,2-Dichloropropane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Trichloromethane (Chloroform)	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,1,1-Trichloroethane (TCA)	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,2-Dichloroethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,1-Dichloropropene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Cis-1,2-dichloroethene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Carbontetrachloride	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,2-Dichloropropane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Trichloroethene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Dibromomethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Bromodichloromethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Cis-1,3-dichloropropene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Trans-1,3-dichloropropene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,1,2 Trichloroethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,3-Dichloropropane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Dibromochloromethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Tetrachloroethene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,2-Dibromoethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
ChloroBenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Styrene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Bromoform	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Iso-propylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,1,2,2-Tetrachloroethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
Bromobenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
n-Propylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
2-Chlorotoluene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
4-Chlorotoluene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,3,5-Trimethylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
tert-Butylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,2,4-Trimethylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
sec-Butylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,3-dichlorobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
p-Isopropyltoluene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,4-dichlorobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
1,2-dichlorobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Butylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,2-Dibromo-3-chloropropane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
1,2,4-trichlorobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Hexachlorobutadiene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
1,2,3-trichlorobenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a																
PCB Congener 28	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a																
PCB Congener 52	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a																
PCB Congener 101	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a																
PCB Congener 118	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a																
PCB Congener 138	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a																
PCB Congener 153	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a																
PCB Congener 180	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a																
Total ICES-7 PCBs	mg.L^{-1}	0.00014			0			0	n/a	<0	n/a																
3+4-Methylphenol	mg.L^{-1}	0.0001			0			0	n/a	<0	n/a																
Aniline	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
2-chlorophenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Bis(2-chloroethyl)ether	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Bis(2-chloroisopropyl)ether	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
2-Methylphenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Hexachloroethane	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Nitrobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
4-Methylphenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Isophorone	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
2-Nitrophenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
2,4-Dimethylphenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Bis(2-chloroethoxy)methane	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
2,4-Dichlorophenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
4-Chloroaniline	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
4-Chloro-3-methylphenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
2,4,6-Trichlorophenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
2,4,5-Trichlorophenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
2-Methylnaphthalene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
2-Chloronaphthalene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Dimethylphthalate	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
2,6-Dinitrotoluene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
2,4-Dinitrotoluene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Dibenzofuran	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
4-Chlorophenyl phenyl ether	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Diethyl phthalate	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
4-Nitroaniline	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Azobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Bromophenyl phenyl ether	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Hexachlorobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Carbazole	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Dibutyl phthalate	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Anthraquinone	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																
Butyl benzyl phthalate	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a																

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Table F: Groundwater Analytical Data - Area B

NUMBER OF SAMPLES: 121

Analytical Parameter	Units	Limit of detection	CRITERIA 1 (0)	CRITERIA 2 (0)	No. Analyses	CRITERIA 1 Exceedances	CRITERIA 2 Exceedances	Min	Mean	Max	Max ID
pH	pH Units	N/A			121			6.8	7.6	11.500	MW25-22
Conductivity	μS.cm^{-1}	10			121			640	2513.6	7200	MW25-17
Cyanide (Total) (as CN)	mg.L^{-1}	0.01			121			<0.01	<0.77	8.6	MW25-10
Complexed cyanide	mg.L^{-1}	0.01			121			<0.01	<0.77	8.5	MW25-10
Easily liberatable cyanide	mg.L^{-1}	0.01			121			<0.01	<0.01	0.07	MW25-14
Thiocyanate	mg.L^{-1}	0.2			121			<0.2	<0.8	12	MW25-14
Sulphate	mg.L^{-1}	0.045			121			29.9	545.662	2220	MW25-17
Sulphur (Elemental)	mg.L^{-1}	0.02			80			<0.02	<0.02	0.04	CBH102
Sulphide	mg.L^{-1}	0.005			121			<0.005	<0.176	5.9	MW25-17
Chloride	mg.L^{-1}	0.15			121			27	446.72	1900	MW25-17
Ammonium as NH4	mg.L^{-1}	0.015			121			<0.015	<54.093	680	MW25-27
Ammoniacal N (total) as N	mg.L^{-1}	0.011667			121			<0.011667	<42.073497	528.904	MW25-27
Un-ionised ammonia as nitrogen (NH3 as N)	mg.L^{-1}	0.011667			121			<0.011667	<42.073497	528.904	MW25-27
Total Organic Carbon (TOC)	mg.L^{-1}	0.1			121			2.46	23.7	264	MW25-27
Alkalinity as CaCO3	mg.L^{-1}	3			121			50	379.4	1200	MW25-27
Dissolved Organic Carbon (DOC)	mg.L^{-1}	0.1			121			2.44	21.3	235	MW25-27
Total Suspended Solids	mg.L^{-1}	2			121			<2	<1193.9	110000	CBH129
Hardness - Total	mgCaCO$_3$.L^{-1}	1			121			201	694.2	2520	MW25-08
Catechol	mg.L^{-1}	0.0005			121			<0.0005	<0.2783	14	MW25-27
Resorcinol	mg.L^{-1}	0.0005			121			<0.0005	<0.0179	0.48	MW25-23B
Ethylphenol & Dimethylphenol	mg.L^{-1}										
Cresols (Total)	mg.L^{-1}	0.0005			121			<0.0005	<1.3943	50	MW25-27
Naphthols	mg.L^{-1}	0.0005			121			<0.0005	<0.0558	2.2	MW25-23B
Total Xylenols & Ethylphenols	mg.L^{-1}	0.0005			121			<0.0005	<2.4998	66	MW25-27
4-Chlorophenol	mg.L^{-1}	0.0001			1			0	0	0	MW25-23B
3,5-Dimethylphenol	mg.L^{-1}	0.0001			1			0	0	0	MW25-23B
Isopropylphenol	mg.L^{-1}	0.0005			121			<0.0005	<0.1477	10	MW25-27
Phenol	mg.L^{-1}	0.00005			2			<0.00005	<5.50003	11	MW25-27
Trimethylphenol	mg.L^{-1}	0.0005			121			<0.0005	<0.5489	16	MW25-23B
Phenols (Total)	mg.L^{-1}	0.0035			121			<0.0035	<5.9229	190	MW25-27
Naphthalene	mg.L^{-1}	0.00001			121			<0.00001	<0.46322	6.8	MW25-23B
Acenaphthylene	mg.L^{-1}	0.00001			121			<0.00001	<0.02575	0.57	MW25-23B
Acenaphthene	mg.L^{-1}	0.00001			121			<0.00001	<0.00578	0.12	MW25-16A-S
Fluorene	mg.L^{-1}	0.00001			121			<0.00001	<0.01219	0.39	MW25-16A-S
Phenanthrene	mg.L^{-1}	0.00001			121			<0.00001	<0.02357	1.1	MW25-16A-S
Anthracene	mg.L^{-1}	0.00001			121			<0.00001	<0.00742	0.36	MW25-16A-S
Fluoranthene	mg.L^{-1}	0.00001			121			<0.00001	<0.01337	0.81	MW25-16A-S
Pyrene	mg.L^{-1}	0.00001			121			<0.00001	<0.01045	0.62	MW25-16A-S
Benzo[a]anthracene	mg.L^{-1}	0.00001			121			<0.00001	<0.00473	0.29	MW25-16A-S
Chrysene	mg.L^{-1}	0.00001			121			<0.00001	<0.00328	0.25	MW25-16A-S
Benzo[b]fluoranthene	mg.L^{-1}	0.00001			121			<0.00001	<0.00342	0.28	MW25-16A-S
Benzo[k]fluoranthene	mg.L^{-1}	0.00001			121			<0.00001	<0.00161	0.13	MW25-16A-S
Benzo[a]pyrene	mg.L^{-1}	0.00001			121			<0.00001	<0.0034	0.27	MW25-16A-S
Indeno[1,2,3-cd]pyrene	mg.L^{-1}	0.00001			121			<0.00001	<0.00148	0.12	MW25-16A-S
Dibenz[a,h]anthracene	mg.L^{-1}	0.00001			121			<0.00001	<0.00004	0.0032	MW25-23B
Benzo[ghi]perylene	mg.L^{-1}	0.00001			121			<0.00001	<0.00159	0.13	MW25-16A-S
Sum of benzo[b]fluoranthene &	mg.L^{-1}	0.00002			121			<0.00002	<0.00504	0.41	n/a
Sum of benzo[b]fluoranthene,	mg.L^{-1}	0.00004			121			<0.00004	<0.00801	0.65	n/a
Sum of benzo[ghi]perylene and indeno[1,2,3-	mg.L^{-1}	0.00002			121			<0.00002	<0.00307	0.25	n/a
PAH 16 Total	mg.L^{-1}	0.00016			121			<0.00016	<0.58256	9.8	MW25-23B
Calcium	mg.L^{-1}	0.012			119			55	222.815	830	MW25-08
Iron	mg.L^{-1}	0.004			121			<0.004	<0.529	4.4	MW25-10
Magnesium	mg.L^{-1}										
Arsenic	mg.L^{-1}	0.00015			121			0.00035	0.00884	0.088	MW25-10
Cadmium	mg.L^{-1}	0.00002			121			<0.00002	<0.00008	0.00073	CBH124
Chromium (VI)	mg.L^{-1}	0.005			121			<0.005	<0.005	<0.005	n/a
Chromium (Total)	mg.L^{-1}	0.0002			121			<0.0002	<0.0007	0.0064	MW25-27
Copper	mg.L^{-1}	0.0005			121			<0.0005	<0.0033	0.017	CBH108-DUP
Lead	mg.L^{-1}	0.0002			121			<0.0002	<0.0003	0.0052	CBH104
Mercury (inorganic)	mg.L^{-1}	0.00005			121			<0.00005	<0.0001	0.00199	MW25-17
Nickel	mg.L^{-1}	0.0005			121			0.0006	0.0056	0.023	MW25-17
Selenium	mg.L^{-1}	0.0006			121			<0.0006	<0.0026	0.015	MW25-14
Zinc	mg.L^{-1}	0.0005			121			0.0006	0.006	0.0499	CBH104
Benzene	mg.L^{-1}	0.001			13			<0.001	<0.005	0.028	MW25-22
Toluene	mg.L^{-1}	0.001			13			<0.001	<0.001	0.005	MW25-22
Ethylbenzene	mg.L^{-1}	0.001			13			<0.001	<0.001	0.006	MW25-22
Xylene (p & m-Xylene)	mg.L^{-1}	0.001			13			<0.001	<0.002	0.01	MW25-17
Xylene (o-Xylene)	mg.L^{-1}	0.001			13			<0.001	<0.001	0.006	MW25-22
Xylenes (Total of m and p, o-xylenes)	mg.L^{-1}	0.002			121			<0.002	<0	0.015	n/a
Methyl tert-butyl ether	mg.L^{-1}	0.003			55			<0.003	<0.057	<3	MW25-17
TPH (C10 - C40)	mg.L^{-1}	0.01			108			<0.01	<6.63	166	MW25-27
TPH Total C5 - C35	mg.L^{-1}	0.01			121			<0.01	<10.31	203	MW25-27
Aliphatic C5 - C6	mg.L^{-1}	0.001			121			<0.001	<0.001	<0.001	n/a
Aliphatic C6 - C8	mg.L^{-1}	0.001			121			<0.001	<0.001	0.061	MW25-33
Aliphatic C8 – C10	mg.L^{-1}	0.001			121			<0.001	<0.001	0.03	MW25-33
Aliphatic C10 – C12	mg.L^{-1}	0.01			121			<0.01	<0.07	3.11	MW25-27
Aliphatic C12 – C16	mg.L^{-1}	0.01			121			<0.01	<0.03	0.62	MW25-27
Aliphatic C16 - C21	mg.L^{-1}	0.01			121			<0.01	<0.02	0.32	CBH129
Aliphatic C21 - C35	mg.L^{-1}	0.01			121			<0.01	<0.02	0.7	CBH129
Total Aliphatic C10 - C35	mg.L^{-1}	0.01			107			<0.01	<0.12	3.92	MW25-27
Total Aliphatic C5 - C35	mg.L^{-1}	0.01			121			<0.01	<0.11	3.92	MW25-27
Aromatic C5 - C7	mg.L^{-1}	0.001			121			<0.001	<0.846	22	MW25-23B
Aromatic C7 - C8	mg.L^{-1}	0.001			121			<0.001	<0.412	14	MW25-23B
Aromatic C8 – C10	mg.L^{-1}	0.001			121			<0.001	<0.266	6.6	MW25-23B
Aromatic C10 – C12	mg.L^{-1}	0.01			121			<0.01	<6.02	156	MW25-27
Aromatic C12 – C16	mg.L^{-1}	0.01			121			<0.01	<1.89	33.7	MW25-27
Aromatic C16 – C21	mg.L^{-1}	0.01			121			<0.01	<0.41	9.17	MW25-23B
Aromatic C21 – C35	mg.L^{-1}	0.01			121			<0.01	<0.38	8	MW25-16A-S
Total Aromatic C10 - C35	mg.L^{-1}	0.01			107			<0.01	<6.94	192	MW25-27
Total Aromatic C5 - C35	mg.L^{-1}	0.01			121			<0.01	<10.19	199	MW25-27
Chloromethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Chloroethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Bromomethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Vinyl chloride (Chloroethene)	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Trichlorofluoromethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,1-Dichloroethene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,1,2-Trichloro-1,2,2-trifluoroethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Trans 1,2-dichloroethylene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,1-Dichloroethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
2,2-Dichloropropane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Trichloromethane (Chloroform)	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,1,1-Trichloroethane (TCA)	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,2-Dichloroethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,1-Dichloropropene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Cis-1,2-dichloroethene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Carbontetrachloride	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,2-Dichloropropane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Trichloroethene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Dibromomethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Bromodichloromethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Cis-1,3-dichloropropene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Trans-1,3-dichloropropene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,1,2 Trichloroethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,3-Dichloropropane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Dibromochloromethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Tetrachloroethene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,2-Dibromoethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
ChloroBenzene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Styrene	mg.L^{-1}	0.003			21			<0.003	<0.396	<3	MW25-17
Bromoform	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Iso-propylbenzene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,1,2,2-Tetrachloroethane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
Bromobenzene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
n-Propylbenzene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
2-Chlorotoluene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
4-Chlorotoluene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,3,5-Trimethylbenzene	mg.L^{-1}	0.003			21			<0.003	<0.176	<3	MW25-17
tert-Butylbenzene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,2,4-Trimethylbenzene	mg.L^{-1}	0.003			21			<0.003	<0.271	<3	MW25-17
sec-Butylbenzene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,3-dichlorobenzene	mg.L^{-1}	0.00005			2			<0.00005	<0.00005	<0.00005	n/a
p-Isopropyltoluene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,4-dichlorobenzene	mg.L^{-1}	0.00005			2			<0.00005	<0.00005	<0.00005	n/a
1,2-dichlorobenzene	mg.L^{-1}	0.00005			2			<0.00005	<0.00005	<0.00005	n/a
Butylbenzene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,2-Dibromo-3-chloropropane	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
1,2,4-trichlorobenzene	mg.L^{-1}	0.00005			2			<0.00005	<0.00005	<0.00005	n/a
Hexachlorobutadiene	mg.L^{-1}	0.00005			2			<0.00005	<0.00005	<0.00005	n/a
1,2,3-trichlorobenzene	mg.L^{-1}	0.003			21			<0.003	<0.146	<3	MW25-17
PCB Congener 28	mg.L^{-1}	0.00002			5			<0.00002	<0.00801	<0.02	MW25-35
PCB Congener 52	mg.L^{-1}	0.00002			5			<0.00002	<0.00801	<0.02	MW25-35
PCB Congener 101	mg.L^{-1}	0.00002			5			<0.00002	<0.00801	<0.02	MW25-35
PCB Congener 118	mg.L^{-1}	0.00002			5			<0.00002	<0.00801	<0.02	MW25-35
PCB Congener 138	mg.L^{-1}	0.00002			5			<0.00002	<0.00801	<0.02	MW25-35
PCB Congener 153	mg.L^{-1}	0.00002			5			<0.00002	<0.00801	<0.02	MW25-35
PCB Congener 180	mg.L^{-1}	0.00002			5			<0.00002	<0.00801	<0.02	MW25-35
Total ICES-7 PCBs	mg.L^{-1}	0.00014			5			<0.00014	<0.05606	<0.14	MW25-35
3+4-Methylphenol	mg.L^{-1}	0.0001			8			<0.0001	<4.4151	13	MW25-27
Aniline	mg.L^{-1}	0.00005			8			<0.00005	<0.04378	0.19	MW25-16A-S
2-chlorophenol	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
Bis(2-chloroethyl)ether	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
Bis(2-chloroisopropyl)ether	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
2-Methylphenol	mg.L^{-1}	0.00005			8			<0.00005	<7.42503	23	MW25-27
Hexachloroethane	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
Nitrobenzene	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
4-Methylphenol	mg.L^{-1}	0.00005			8			<0.00005	<4.41503	13	MW25-27
Isophorone	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
2-Nitrophenol	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
2,4-Dimethylphenol	mg.L^{-1}	0.00005			8			<0.00005	<9.51001	22	MW25-27
Bis(2-chloroethoxy)methane	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
2,4-Dichlorophenol	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
4-Chloroaniline	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
4-Chloro-3-methylphenol	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
2,4,6-Trichlorophenol	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
2,4,5-Trichlorophenol	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
2-Methylnaphthalene	mg.L^{-1}	0.00005			8			<0.00005	<0.28251	1.2	MW25-16A-S
2-Chloronaphthalene	mg.L^{-1}	0.00005			8			<0.00005	<0.00026	0.0018	MW25-16A-S
Dimethylphthalate	mg.L^{-1}	0.00005			8			<0.00005	<0.00016	0.001	MW25-16A-S
2,6-Dinitrotoluene	mg.L^{-1}	0.00005			8			<0.00005	<0.00005	<0.00005	n/a
2,4-Dinitrotoluene	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
Dibenzofuran	mg.L^{-1}	0.00005			8			<0.00005	<0.08076	0.43	MW25-16A-S
4-Chlorophenyl phenyl ether	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
Diethyl phthalate	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
4-Nitroaniline	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
Azobenzene	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
Bromophenyl phenyl ether	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
Hexachlorobenzene	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
Carbazole	mg.L^{-1}	0.00005			8			<0.00005	<0.10319	0.25	MW25-16A-S
Dibutyl phthalate	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
Anthraquinone	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a
Butyl benzyl phthalate	mg.L^{-1}	0.00005			8			<0.00005	<0.00004	<0.00005	n/a

Sample Location	CBH102	CBH102	CBH104	CBH104	CBH104	CBH108	CBH108	CBH108	CBH108-DUP	CBH108-DUP
Monitoring Round No.	1	2	1	2	3	1	2	3	1	2
Date Sampled	17/03/2025	08/04/2025	17/03/2025	08/04/2025	28/04/2025	17/03/2025	08/04/2025	28/04/2025	17/03/2025	08/04/2025
Stratum	Wolston Sand and Gravel		Made Ground			Made Ground / Wolston Sand and Gravel				
pH	7.00	7.00	7.20	7.10	7.00	7.10	7.00	7.10	7.10	7.10
Conductivity	2100.00	1600.00	3800.00	3600.00	3800.00	5600.00	5300.00	5000.00	5600.00	5400.00
Cyanide (Total) (as CN)	0.45	0.27	0.23	0.21	0.22	1.20	1.10	1.20	1.20	1.20
Complexed cyanide	0.45	0.27	0.23	0.21	0.22	1.20	1.10	1.20	1.20	1.20
Easily liberatable cyanide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thiocyanate	<0.2	0.30	0.20	0.30	0.30	0.50	0.40	0.50	0.40	0.50
Sulphate	547.00	237.00	690.00	594.00	605.00	1220.00	1070.00	914.00	1330.00	1140.00
Sulphur (Elemental)	0.040		<0.02		<0.02	<0.02		<0.02	<0.02	
Sulphide	<0.005	0.057	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	340.00	250.00	930.00	900.00	950.00	1700.00	1500.00	1200.00	1700.00	1500.00
Ammonium as NH4	1.10	3.90	0.11	0.19	0.68	18.00	23.00	7.60	18.00	23.00
Ammoniacal N (total) as N	0.86	3.03	0.086	0.15	0.53	14.00	17.89	5.91	14.00	17.89
Un-ionised ammonia as nitrogen (NH3 as N)	0.86	3.03	0.086	0.15	0.53	14.00	17.89	5.91	14.00	17.89
Total Organic Carbon (TOC)	6.94	44.20	6.95	7.15	6.44	10.60	9.87	11.50	10.50	9.64
Alkalinity as CaCO3	290.00	370.00	510.00	480.00	490.00	530.00	540.00	480.00	540.00	510.00
Dissolved Organic Carbon (DOC)	6.62	40.00	6.65	6.35	5.70	10.30	9.82	10.00	10.30	9.56
Total Suspended Solids	82.00	150.00	69.00	360.00	1400.00	26.00	40.00	5.00	59.00	26.00
Hardness - Total	629.00	432.00	1090.00	1300.00	1180.00	1460.00	1810.00	1270.00	1450.00	1320.00
Catechol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Xylenols & Ethylphenols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Isopropylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenols (Total)	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	0.35	<0.0035	<0.0035	0.36	<0.0035
Naphthalene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthylene	0.000080	<0.00001	<0.00001	<0.00001	0.00011	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthene	0.00010	<0.00001	<0.00001	<0.00001	0.000030	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	<0.00001	<0.00001	<0.00001	<0.00001	0.00013	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	0.000070	<0.00001	<0.00001	<0.00001	0.00054	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Pyrene	0.000080	<0.00001	<0.00001	<0.00001	0.00055	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	0.00028	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chrysene	<0.00001	<0.00001	<0.00001	<0.00001	0.00028	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[b]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	0.00039	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	0.00020	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	0.00037	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	0.00021	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz[a,h]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	<0.00001	<0.00001	<0.00001	<0.00001	0.00023	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene &	<0.00002	<0.00002	<0.00002	<0.00002	0.00059	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene,	<0.00004	<0.00004	<0.00004	<0.00004	0.00101	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-	<0.00002	<0.00002	<0.00002	<0.00002	0.00044	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PAH 16 Total	0.00033	<0.00016	<0.00016	<0.00016	0.0033	<0.00016	<0.00016	<0.00016	<0.00016	<0.00016
Calcium	220.00	150.00	370.00	420.00	390.00	470.00	590.00	420.00	480.00	410.00
Iron	0.21	0.99	0.11	0.32	0.26	0.46	0.45	0.46	0.45	0.45
Arsenic	0.00095	0.0060	0.00063	0.00079	0.0027	0.00072	0.00071	0.00085	0.00070	0.00068
Cadmium	0.000040	0.000030	0.00028	0.00050	0.00030	0.00021	0.00026	0.00022	0.00023	0.00025
Chromium (VI)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (Total)	0.00049	0.0018	0.00050	<0.0002	0.0018	0.00048	0.00063	0.00047	0.00068	0.0010
Copper	0.0030	0.0046	0.0060	0.0060	0.0071	0.0057	0.0064	0.0094	0.017	0.0060
Lead	<0.0002	0.00070	<0.0002	<0.0002	0.0052	<0.0002	<0.0002	<0.0002	0.00030	<0.0002
Mercury (inorganic)	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel	0.0027	0.0047	0.0068	0.0082	0.013	0.0042	0.0048	0.0053	0.0044	0.0046
Selenium	0.00070	0.00080	0.0013	0.0010	0.0017	0.0016	0.0010	0.0015	0.0017	0.0013
Zinc	0.018	0.017	0.050	0.045	0.027	0.014	0.010	0.010	0.013	0.0083
Benzene					<0.001			<0.001		
Toluene					<0.001			<0.001		
Ethylbenzene					<0.001			<0.001		
Xylene (p & m-Xylene)					<0.001			<0.001		
Xylene (o-Xylene)					<0.001			<0.001		
Xylenes (Total of m and p, o-xylenes)					<0.002			<0.002		
Methyl tert-butyl ether	<0.003		<0.003			<0.003			<0.003	
TPH (C10 - C40)	0.55	<0.01	<0.01	<0.01	<0.01	0.34	<0.01	<0.01	<0.01	<0.01
TPH Total C5 - C35	0.4300	<0.01	<0.01	<0.01	<0.01	0.3100	<0.01	<0.01	<0.01	<0.01
Aliphatic C5 - C6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C6 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C10 – C12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C12 – C16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C16 - C21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C21 - C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C10 - C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C5 - C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C5 - C7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C7 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C10 – C12	0.050	<0.01	<0.01	<0.01	<0.01	0.030	<0.01	<0.01	<0.01	<0.01
Aromatic C12 – C16	0.050	<0.01	<0.01	<0.01	<0.01	0.040	<0.01	<0.01	<0.01	<0.01
Aromatic C16 – C21	0.070	<0.01	<0.01	<0.01	<0.01	0.050	<0.01	<0.01	<0.01	<0.01
Aromatic C21 – C35	0.26	<0.01	<0.01	<0.01	<0.01	0.20	<0.01	<0.01	<0.01	<0.01
Total Aromatic C10 - C35	0.43	<0.01	<0.01	<0.01	<0.01	0.31	<0.01	<0.01	<0.01	<0.01
Total Aromatic C5 - C35	0.43	<0.01	<0.01	<0.01	<0.01	0.31	<0.01	<0.01	<0.01	<0.01

Sample Location	CBH112	CBH112	CBH112	CBH130	CBH130	CBH130	MW25-05A	MW25-05A	MW25-05A
Monitoring Round No.	1	2	3	1	2	3	1	2	3
Date Sampled	17/03/2025	08/04/2025	28/04/2025	19/03/2025	10/04/2025	30/04/2025	18/03/2025	08/04/2025	29/04/2025
Stratum	Wolston Sand & Gravel/Wolston Clay Member			Wolston Sand & Gravel/Wolston Clay Member			Wolston Sand & Gravel/Wolston Clay Member		
pH	7.10	6.90	6.80	7.00	7.10	7.00	7.20	7.40	7.30
Conductivity	3000.00	3000.00	3200.00	1200.00	1100.00	1100.00	1500.00	1600.00	1700.00
Cyanide (Total) (as CN)	0.48	0.44	0.49	<0.01	<0.01	<0.01	0.030	0.15	0.23
Complexed cyanide	0.48	0.44	0.49	<0.01	<0.01	<0.01	0.030	0.15	0.23
Easily liberatable cyanide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thiocyanate	0.20	<0.2	0.20	<0.2	<0.2	0.30	<0.2	<0.2	<0.2
Sulphate	461.00	424.00	436.00	199.00	186.00	220.00	169.00	212.00	298.00
Sulphur (Elemental)	<0.02		<0.02	<0.02		<0.02	<0.02		<0.02
Sulphide	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	690.00	730.00	680.00	73.00	66.00	65.00	280.00	290.00	240.00
Ammonium as NH4	11.00	18.00	17.00	0.057	0.057	0.070	0.59	0.32	<0.015
Ammoniacal N (total) as N	8.56	14.00	13.22	0.044	0.044	0.054	0.46	0.25	<0.011667
Un-ionised ammonia as nitrogen (NH3 as N)	8.56	14.00	13.22	0.044	0.044	0.054	0.46	0.25	<0.011667
Total Organic Carbon (TOC)	7.72	6.84	6.93	4.86	3.99	3.90	2.80	2.88	2.99
Alkalinity as CaCO3	430.00	440.00	460.00	400.00	430.00	400.00	360.00	360.00	350.00
Dissolved Organic Carbon (DOC)	7.60	6.58	6.86	4.76	3.83	3.88	2.74	2.48	2.98
Total Suspended Solids	16.00	16.00	<2	26.00	17.00	12.00	360.00	1300.00	570.00
Hardness - Total	561.00	1000.00	704.00	601.00	584.00	562.00	543.00	560.00	581.00
Catechol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Xylenols & Ethylphenols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Isopropylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenols (Total)	0.29	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	0.014	<0.0035
Naphthalene	<0.00001	<0.00001	<0.00001	<0.00001	0.0030	0.0024	<0.00001	<0.00001	<0.00001
Acenaphthylene	<0.00001	<0.00001	<0.00001	<0.00001	0.00010	0.00018	<0.00001	<0.00001	<0.00001
Acenaphthene	<0.00001	<0.00001	<0.00001	<0.00001	0.00011	0.000040	<0.00001	<0.00001	<0.00001
Fluorene	<0.00001	<0.00001	<0.00001	<0.00001	0.000060	0.000040	<0.00001	<0.00001	<0.00001
Phenanthrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000040	<0.00001	<0.00001
Anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00010	0.000050	<0.00001
Pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00011	0.000050	<0.00001
Benzo[a]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000050	<0.00001	<0.00001
Chrysene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000040	<0.00001	<0.00001
Benzo[b]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz[a,h]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	0.00018	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene &	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene,	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PAH 16 Total	<0.00016	<0.00016	<0.00016	<0.00016	0.0034	0.0026	0.00034	<0.00016	<0.00016
Calcium	170.00	310.00	210.00	190.00	190.00	190.00	170.00	170.00	180.00
Iron	0.22	0.17	0.20	0.11	0.018	0.0040	0.14	0.070	0.22
Arsenic	0.00035	0.00036	0.00036	0.00078	0.0010	0.00056	0.0019	0.0012	0.00094
Cadmium	0.000080	0.000080	0.000090	0.000040	0.000030	0.000030	0.000070	0.000090	0.000090
Chromium (VI)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (Total)	0.00044	0.00052	<0.0002	<0.0002	<0.0002	<0.0002	0.0018	0.0019	<0.0002
Copper	0.0055	0.010	0.0048	0.0021	0.0033	0.0029	0.0058	0.0040	0.0021
Lead	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00070	0.00040	<0.0002
Mercury (inorganic)	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel	0.0036	0.0039	0.0043	0.0023	0.0021	0.0019	0.0064	0.0078	0.0095
Selenium	0.0043	0.0033	0.0033	<0.0006	<0.0006	<0.0006	0.0010	0.0011	0.0012
Zinc	0.0058	0.0025	0.0042	0.0020	0.0015	0.0028	0.0068	0.0039	0.0027
Benzene			<0.001						
Toluene			<0.001						
Ethylbenzene			<0.001						
Xylene (p & m-Xylene)			<0.001						
Xylene (o-Xylene)			<0.001						
Xylenes (Total of m and p, o-xylenes)			<0.002						
Methyl tert-butyl ether	<0.003			<0.003			<0.003		
TPH (C10 - C40)	<0.01	<0.01	<0.01	<0.01	0.09		<0.01	<0.01	<0.01
TPH Total C5 - C35	<0.01	<0.01	<0.01	<0.01	0.09	<0.01	<0.01	<0.01	<0.01
Aliphatic C5 - C6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C6 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C10 – C12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C12 – C16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C16 - C21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C21 - C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C10 - C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C5 - C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C5 - C7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C7 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C10 – C12	<0.01	<0.01	<0.01	<0.01	0.050	<0.01	<0.01	<0.01	<0.01
Aromatic C12 – C16	<0.01	<0.01	<0.01	<0.01	0.040	<0.01	<0.01	<0.01	<0.01
Aromatic C16 – C21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C21 – C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aromatic C10 - C35	<0.01	<0.01	<0.01	<0.01	0.090	<0.01	<0.01	<0.01	<0.01
Total Aromatic C5 - C35	<0.01	<0.01	<0.01	<0.01	0.090	<0.01	<0.01	<0.01	<0.01

Sample Location	MW25-08	MW25-08	MW25-08	MW25-19A	MW25-19A	MW25-19A	CBH124	CBH124	CBH124
Monitoring Round No.	1	2	3	1	2	3	1	2	3
Date Sampled	17/03/2025	07/04/2025	28/04/2025	18/03/2025	08/04/2025	29/04/2025	19/03/2025	10/04/2025	30/04/2025
Stratum	Made Ground			Wolston Sand & Gravel			Wolston Sand & Gravel		
pH	7.10	7.00	6.90	7.30	7.40	7.10	7.00	7.00	6.90
Conductivity	3300.00	3700.00	4500.00	1800.00	1800.00	2200.00	2400.00	2400.00	2500.00
Cyanide (Total) (as CN)	0.79	0.65	0.40	<0.01	<0.01	0.010	<0.01	<0.01	<0.01
Complexed cyanide	0.79	0.65	0.38	<0.01	<0.01	0.010	<0.01	<0.01	<0.01
Easily liberatable cyanide	<0.01	<0.01	0.020	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thiocyanate	1.20	0.50	1.40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Sulphate	1580.00	1530.00	1520.00	114.00	117.00	115.00	699.00	693.00	684.00
Sulphur (Elemental)	<0.02		<0.02	<0.02		<0.02	<0.02		<0.02
Sulphide	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	330.00	440.00	540.00	470.00	460.00	560.00	330.00	340.00	340.00
Ammonium as NH4	36.00	46.00	48.00	3.30	5.00	6.30	42.00	28.00	21.00
Ammoniacal N (total) as N	28.00	35.78	37.33	2.57	3.89	4.90	32.67	21.78	16.33
Un-ionised ammonia as nitrogen (NH3 as N)	28.00	35.78	37.33	2.57	3.89	4.90	32.67	21.78	16.33
Total Organic Carbon (TOC)	53.10	11.50	75.00	3.26	2.63	3.03	5.09	3.47	3.19
Alkalinity as CaCO3	450.00	550.00	900.00	310.00	260.00	290.00	340.00	310.00	320.00
Dissolved Organic Carbon (DOC)	51.40	11.50	70.60	3.24	2.53	2.92	4.95	3.25	3.11
Total Suspended Solids	340.00	470.00	400.00	16.00	40.00	33.00	12.00	18.00	32.00
Hardness - Total	1380.00	1630.00	2520.00	326.00	328.00	473.00	1190.00	1240.00	1430.00
Catechol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Xylenols & Ethylphenols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Isopropylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenols (Total)	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	0.11	<0.0035	<0.0035
Naphthalene	0.00028	0.0021	0.00048	0.00049	0.00022	<0.00001	<0.00001	0.0034	<0.00001
Acenaphthylene	0.00019	<0.00001	<0.00001	0.000040	<0.00001	<0.00001	<0.00001	0.00014	<0.00001
Acenaphthene	0.00015	0.00014	0.00012	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	0.00019	0.00012	0.00021	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	0.00067	0.00018	0.00065	<0.00001	<0.00001	<0.00001	<0.00001	0.00013	<0.00001
Anthracene	0.00027	<0.00001	0.00028	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	0.0011	0.00010	0.0012	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Pyrene	0.00098	<0.00001	0.0010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]anthracene	0.00044	<0.00001	0.00040	<0.00001	<0.00001	0.00012	<0.00001	<0.00001	<0.00001
Chrysene	0.00042	<0.00001	0.00043	<0.00001	<0.00001	0.00016	<0.00001	<0.00001	<0.00001
Benzo[b]fluoranthene	<0.00001	<0.00001	0.00047	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	<0.00001	0.00031	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	<0.00001	0.00045	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	0.00026	<0.00001	0.00022	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz[a,h]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	0.00030	<0.00001	0.00029	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene &	<0.00002	<0.00002	0.00078	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene,	<0.00058	<0.00004	0.00127	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-	0.00056	<0.00002	0.00051	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PAH 16 Total	0.0053	0.0026	0.0065	0.00053	0.00022	0.00028	<0.00016	0.0037	<0.00016
Calcium	460.00	530.00	830.00	110.00	110.00	160.00	320.00	320.00	430.00
Iron	1.60	0.43	0.29	0.0090	0.0040	<0.004	0.0050	0.0070	<0.004
Arsenic	0.0044	0.0032	0.0040	0.0054	0.0038	0.0046	0.0011	0.00090	0.00066
Cadmium	<0.00002	<0.00002	<0.00002	0.000050	0.000040	0.000050	0.00073	0.00049	0.00053
Chromium (VI)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (Total)	0.00086	0.00094	0.00079	0.00068	<0.0002	<0.0002	<0.0002	0.00051	<0.0002
Copper	0.00060	<0.0005	0.0019	0.0025	0.0025	0.0026	0.0029	0.0050	0.0033
Lead	0.00030	0.00030	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury (inorganic)	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel	0.0034	0.0063	0.0076	0.0059	0.0045	0.0061	0.0057	0.0050	0.0058
Selenium	0.0051	0.0052	0.0083	0.0018	0.0019	0.0017	0.0063	0.0038	0.00070
Zinc	0.0021	0.0019	0.0031	0.0032	0.0015	0.0036	0.024	0.025	0.014
Benzene			<0.001			<0.001			
Toluene			<0.001			<0.001			
Ethylbenzene			<0.001			<0.001			
Xylene (p & m-Xylene)			<0.001			<0.001			
Xylene (o-Xylene)			<0.001			<0.001			
Xylenes (Total of m and p, o-xylenes)			<0.002			<0.002			
Methyl tert-butyl ether	<0.003			<0.003			<0.003		
TPH (C10 - C40)	0.85	0.28	0.32	<0.01	<0.01	<0.01	0.1	0.06	
TPH Total C5 - C35	0.8000	0.28	0.32	<0.01	<0.01	<0.01	0.1000	0.06	<0.01
Aliphatic C5 - C6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C6 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C10 – C12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C12 – C16	0.030	<0.01	0.020	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C16 - C21	0.030	<0.01	0.020	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C21 - C35	0.18	<0.01	0.11	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C10 - C35	0.24	<0.01	0.15		<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C5 - C35	0.24	<0.01	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C5 - C7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C7 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C10 – C12	0.040	0.070	0.020	<0.01	<0.01	<0.01	0.050	0.030	<0.01
Aromatic C12 – C16	0.080	0.12	0.090	<0.01	<0.01	<0.01	0.040	0.020	<0.01
Aromatic C16 – C21	0.050	0.090	0.060	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C21 – C35	0.39	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aromatic C10 - C35	0.56	0.28	0.17		<0.01	<0.01	0.10	0.060	<0.01
Total Aromatic C5 - C35	0.56	0.28	0.17	<0.01	<0.01	<0.01	0.10	0.060	<0.01

Sample Location	CBH126	CBH126	CBH126	MW25-09C	MW25-09C	MW25-09C	MW25-15C	MW25-15C	MW25-15C
Monitoring Round No.	1	2	3	1	2	3	1	2	3
Date Sampled	19/03/2025	10/04/2025	30/04/2025	18/03/2025	08/04/2025	29/04/2025	18/03/2025	08/04/2025	29/04/2025
Stratum	Wolston Sand & Gravel			Made Ground			Wolston Sand & Gravel/Wolston Clay Member		
pH	7.10	7.10	7.00	7.60	7.80	7.60	7.30	7.30	7.20
Conductivity	1600.00	1700.00	1800.00	2500.00	2400.00	2400.00	2700.00	2600.00	2600.00
Cyanide (Total) (as CN)	0.10	0.10	0.12	1.50	1.40	1.40	1.10	0.73	0.58
Complexed cyanide	0.10	0.10	0.12	1.50	1.40	1.40	1.10	0.73	0.58
Easily liberatable cyanide	<0.01	<0.01	<0.01	0.020	0.010	0.020	<0.01	<0.01	<0.01
Thiocyanate	<0.2	0.40	0.40	0.60	0.40	0.20	0.40	0.40	0.40
Sulphate	29.90	33.40	202.00	1280.00	1210.00	1130.00	874.00	667.00	477.00
Sulphur (Elemental)	<0.02		<0.02	<0.02		<0.02	<0.02		<0.02
Sulphide	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	180.00	180.00	150.00	170.00	140.00	130.00	460.00	490.00	500.00
Ammonium as NH4	30.00	32.00	32.00	3.10	2.70	2.80	7.40	7.40	11.00
Ammoniacal N (total) as N	23.33	24.89	24.89	2.41	2.10	2.18	5.76	5.76	8.56
Un-ionised ammonia as nitrogen (NH3 as N)	23.33	24.89	24.89	2.41	2.10	2.18	5.76	5.76	8.56
Total Organic Carbon (TOC)	24.20	25.60	29.40	8.16	7.07	7.95	5.23	4.88	4.28
Alkalinity as CaCO3	650.00	760.00	790.00	450.00	390.00	420.00	280.00	310.00	300.00
Dissolved Organic Carbon (DOC)	22.20	24.70	26.80	7.99	6.85	7.80	5.12	4.71	4.20
Total Suspended Solids	34.00	19.00	25.00	54.00	26.00	28.00	450.00	85.00	64.00
Hardness - Total	673.00	629.00	809.00	1330.00	1080.00	1480.00	978.00	667.00	626.00
Catechol	<0.0005	0.095	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	0.29	0.34	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	<0.0005	0.48	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.49	<0.0005
Naphthols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Xylenols & Ethylphenols	<0.0005	6.4	2.9	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Isopropylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenols (Total)	0.49	7.70	2.90	<0.0035	<0.0035	<0.0035	0.11	1.20	<0.0035
Naphthalene	<0.00001	1.30	0.18	0.015	<0.00001	0.0070	<0.00001	<0.00001	<0.00001
Acenaphthylene	0.025	0.035	0.030	0.00090	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthene	0.013	0.014	0.011	0.010	0.0061	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	0.0027	0.0028	0.0029	0.00064	0.00061	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	0.00071	0.0011	0.0010	0.00040	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Anthracene	<0.00001	<<0.00010	0.00015	<<0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	<0.00001	<<0.00010	<0.00001	0.00085	0.00080	<0.00001	<0.00001	<0.00001	<0.00001
Pyrene	0.00019	<<0.00010	<0.00001	0.00062	0.00058	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]anthracene	<0.00001	<<0.00010	<0.00001	<<0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chrysene	<0.00001	<<0.00010	<0.00001	<<0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[b]fluoranthene	<0.00001	<<0.00010	<0.00001	<<0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	<<0.00010	<0.00001	<<0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	<<0.00010	<0.00001	<<0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	<0.00001	<<0.00010	<0.00001	<<0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz[a,h]anthracene	<0.00001	<<0.00010	<0.00001	<<0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	<0.00001	<<0.00010	<0.00001	<<0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene &	<0.00002		<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene,	<0.00004		<0.00004		<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-	<0.00002		<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PAH 16 Total	0.042	1.40	0.23	0.028	0.0081	0.0070	<0.00016	<0.00016	<0.00016
Calcium	220.00	190.00	280.00	470.00	380.00	540.00	340.00	230.00	220.00
Iron	2.90	1.10	0.34	0.63	0.59	0.57	0.50	0.32	0.27
Arsenic	0.014	0.0060	0.0046	0.0084	0.011	0.0085	0.00074	0.00074	0.00044
Cadmium	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00018	0.00013	0.00010
Chromium (VI)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (Total)	0.00026	<0.0002	<0.0002	0.0031	0.00021	0.00044	0.00059	<0.0002	<0.0002
Copper	0.00050	0.0016	0.0013	0.0013	0.0027	0.011	0.0035	0.0032	0.0030
Lead	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00040	<0.0002	<0.0002
Mercury (inorganic)	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000060	<0.00005
Nickel	0.0027	0.0027	0.0028	0.00090	0.00080	0.0022	0.0034	0.0027	0.0024
Selenium	0.0023	0.0019	0.0021	<0.0006	<0.0006	<0.0006	0.0051	0.0027	0.0013
Zinc	0.0012	0.0019	0.0020	0.0038	0.0021	0.046	0.0080	0.0031	0.0029
Methyl tert-butyl ether	<0.003	<0.003	<0.003	<0.003			<0.003		
TPH (C10 - C40)	14.4	15.2		1.08	0.74	2.86	<0.01	<0.01	<0.01
TPH Total C5 - C35	16.4000	16.6000	10.9000	1.1000	0.73	2.86	<0.01	<0.01	<0.01
Aliphatic C5 - C6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C6 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C10 – C12	0.070	<<0.10 &	<0.01	<0.01	<0.01	<<0.1 &	<0.01	<0.01	<0.01
Aliphatic C12 – C16	0.050	<<0.10 &	<0.01	<0.01	<0.01	<<0.1 &	<0.01	<0.01	<0.01
Aliphatic C16 - C21	0.020	<<0.10 &	<0.01	<0.01	<0.01	<<0.1 &	<0.01	<0.01	<0.01
Aliphatic C21 - C35	0.020	<<0.10 &	<0.01	<0.01	<0.01	<<0.1 &	<0.01	<0.01	<0.01
Total Aliphatic C10 - C35	0.16	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C5 - C35	0.16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C5 - C7	1.90	1.10	1.50	0.010	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C7 - C8	0.025	0.023	0.027	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C8 – C10	0.16	0.24	0.53	0.0078	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C10 – C12	9.63	11.50	6.54	0.29	0.14	0.75	<0.01	<0.01	<0.01
Aromatic C12 – C16	3.59	2.77	1.55	0.34	0.21	0.74	<0.01	<0.01	<0.01
Aromatic C16 – C21	0.61	0.52	0.29	0.21	0.15	0.33	<0.01	<0.01	<0.01
Aromatic C21 – C35	0.37	0.41	0.38	0.24	0.23	1.03	<0.01	<0.01	<0.01
Total Aromatic C10 - C35	14.20	15.20	8.77		0.73	2.86	<0.01	<0.01	<0.01
Total Aromatic C5 - C35	16.30	16.60	10.90	1.10	0.73	2.86	<0.01	<0.01	<0.01
Chloromethane	<0.003	<0.003	<0.003						
Chloroethane	<0.003	<0.003	<0.003						
Bromomethane	<0.003	<0.003	<0.003						
Vinyl chloride (Chloroethene)	<0.003	<0.003	<0.003						
Trichlorofluoromethane	<0.003	<0.003	<0.003						
1,1-Dichloroethene	<0.003	<0.003	<0.003						
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.003	<0.003	<0.003						
Trans 1,2-dichloroethylene	<0.003	<0.003	<0.003						
1,1-Dichloroethane	<0.003	<0.003	<0.003						
2,2-Dichloropropane	<0.003	<0.003	<0.003						
Trichloromethane (Chloroform)	<0.003	<0.003	<0.003						
1,1,1-Trichloroethane (TCA)	<0.003	<0.003	<0.003						
1,2-Dichloroethane	<0.003	<0.003	<0.003						
1,1-Dichloropropene	<0.003	<0.003	<0.003						
Cis-1,2-dichloroethene	<0.003	<0.003	<0.003						
Carbontetrachloride	<0.003	<0.003	<0.003						
1,2-Dichloropropane	<0.003	<0.003	<0.003						
Trichloroethene	<0.003	<0.003	<0.003						
Dibromomethane	<0.003	<0.003	<0.003						
Bromodichloromethane	<0.003	<0.003	<0.003						
Cis-1,3-dichloropropene	<0.003	<0.003	<0.003						
Trans-1,3-dichloropropene	<0.003	<0.003	<0.003						
1,1,2 Trichloroethane	<0.003	<0.003	<0.003						
1,3-Dichloropropane	<0.003	<0.003	<0.003						
Dibromochloromethane	<0.003	<0.003	<0.003						
Tetrachloroethene	<0.003	<0.003	<0.003						
1,2-Dibromoethane	<0.003	<0.003	<0.003						
ChloroBenzene	<0.003	<0.003	<0.003						
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	<0.003	<0.003	<0.003						
Styrene	<0.003	<0.003	<0.003						
Bromoform	<0.003	<0.003	<0.003						
Iso-propylbenzene	<0.003	<0.003	<0.003						
1,1,2,2-Tetrachloroethane	<0.003	<0.003	<0.003						
Bromobenzene	<0.003	<0.003	<0.003						
n-Propylbenzene	<0.003	<0.003	<0.003						
2-Chlorotoluene	<0.003	<0.003	<0.003						
4-Chlorotoluene	<0.003	<0.003	<0.003						
1,3,5-Trimethylbenzene	<0.003	0.014	0.060						
tert-Butylbenzene	<0.003	<0.003	<0.003						
1,2,4-Trimethylbenzene	0.14	0.092	0.29						
sec-Butylbenzene	<0.003	<0.003	<0.003						
p-Isopropyltoluene	<0.003	<0.003	<0.003						
Butylbenzene	<0.003	<0.003	<0.003						
1,2-Dibromo-3-chloropropane	<0.003	<0.003	<0.003						
1,2,3-trichlorobenzene	<0.003	<0.003	<0.003						

Sample Location	CBH129	CBH129	CBH129	MW25-01	MW25-01	MW25-01	MW25-01-DUP	MW25-01-DUP
Monitoring Round No.	1	2	3	1	2	3	2	3
Date Sampled	19/03/2025	10/04/2025	30/04/2025	17/03/2025	07/04/2025	28/04/2025	07/04/2025	28/04/2025
Stratum	Wolston Sand & Gravel			Wolston Sand & Gravel				
pH	7.10	7.40	7.20	7.50	7.50	7.30	7.50	7.40
Conductivity	1400.00	1500.00	1600.00	1600.00	1600.00	1600.00	1500.00	1600.00
Cyanide (Total) (as CN)	0.010	<0.01	<0.01	0.030	0.020	0.030	0.020	0.030
Complexed cyanide	0.010	<0.01	<0.01	0.030	0.020	0.030	0.020	0.030
Easily liberatable cyanide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thiocyanate	<0.2	<0.2	I/S[I/S]	<0.2	0.30	<0.2	<0.2	0.20
Sulphate	448.00	523.00	528.00	262.00	252.00	216.00	246.00	229.00
Sulphur (Elemental)	<0.02		<0.02	<0.02		<0.02		<0.02
Sulphide	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	52.00	56.00	I/S[I/S]	210.00	210.00	210.00	210.00	210.00
Ammonium as NH4	0.015	<0.015	I/S[I/S]	2.40	4.00	3.80	3.80	3.90
Ammoniacal N (total) as N	0.012	<0.011667		1.87	3.11	2.96	2.96	3.03
Un-ionised ammonia as nitrogen (NH3 as N)	0.012	<0.011667		1.87	3.11	2.96	2.96	3.03
Total Organic Carbon (TOC)	3.78	10.30	I/S[I/S]	6.40	9.19	8.57	9.40	8.38
Alkalinity as CaCO3	380.00	340.00	I/S[I/S]	370.00	370.00	390.00	330.00	380.00
Dissolved Organic Carbon (DOC)	3.55	9.43	I/S[I/S]	6.30	8.31	8.15	9.29	8.20
Total Suspended Solids	160.00	110000.00	I/S[I/S]	180.00	110.00	120.00	91.00	180.00
Hardness - Total	674.00	850.00	985.00	428.00	444.00	490.00	397.00	509.00
Catechol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Xylenols & Ethylphenols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Isopropylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenols (Total)	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
Naphthalene	<0.00001	0.0057	0.0025	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthylene	<0.00001	0.0086	0.0013	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthene	0.00012	0.00048	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000060
Fluorene	<0.00001	0.0022	0.00036	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	<0.00001	0.0068	0.0014	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Anthracene	<0.00001	0.0035	0.00068	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	<0.00001	0.012	0.0020	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Pyrene	<0.00001	0.012	0.0022	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]anthracene	<0.00001	0.0096	0.0014	<0.00001	<0.00001	<0.00001	<0.00001	0.000090
Chrysene	<0.00001	0.0095	0.0015	<0.00001	<0.00001	<0.00001	<0.00001	0.000090
Benzo[b]fluoranthene	<0.00001	0.013	0.0022	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	0.0062	0.00079	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	0.015	0.0022	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	<0.00001	0.0061	0.0010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz[a,h]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	<0.00001	0.0066	0.0012	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene &	<0.00002	0.0192	0.00299	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene,	<0.00004	0.0339	0.00519	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-	<0.00002	0.0127	0.0022	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PAH 16 Total	<0.00016	0.12	0.021	<0.00016	<0.00016	<0.00016	<0.00016	0.00023
Calcium	180.00	210.00	260.00	130.00	130.00	160.00	120.00	160.00
Iron	0.014	0.11	0.047	0.042	0.017	0.018	0.021	0.47
Arsenic	0.00079	0.00081	0.00098	0.0012	0.0031	0.0029	0.0028	0.0041
Cadmium	0.000060	0.00015	0.00010	0.000050	<0.00002	<0.00002	<0.00002	0.000030
Chromium (VI)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (Total)	0.00024	<0.0002	<0.0002	0.00025	0.00020	<0.0002	<0.0002	<0.0002
Copper	0.0027	0.0031	0.0015	0.0051	0.0020	0.0012	0.0023	0.0020
Lead	<0.0002	0.00020	0.00030	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury (inorganic)	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel	0.0056	0.0071	0.0071	0.0054	0.0050	0.0052	0.0049	0.0061
Selenium	<0.0006	0.0013	0.00060	0.00090	0.00080	0.00070	0.00080	0.00080
Zinc	0.0028	0.0023	0.0023	0.0027	0.00090	0.0095	0.0010	0.020
Benzene						<0.001		<0.001
Toluene						<0.001		<0.001
Ethylbenzene						<0.001		<0.001
Xylene (p & m-Xylene)						<0.001		<0.001
Xylene (o-Xylene)						<0.001		<0.001
Xylenes (Total of m and p, o-xylenes)						<0.002		<0.002
Methyl tert-butyl ether	<0.003			<0.003				
TPH (C10 - C40)	<0.01	2.3		<0.01	<0.01	<0.01	<0.01	<0.01
TPH Total C5 - C35	<0.01	2.3	0.63	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C5 - C6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C6 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C10 – C12	<0.01	0.039	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C12 – C16	<0.01	0.20	0.020	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C16 - C21	<0.01	0.32	0.030	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C21 - C35	<0.01	0.70	0.050	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C10 - C35	<0.01	1.30	0.10	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C5 - C35	<0.01	1.30	0.10	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C5 - C7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C7 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C10 – C12	<0.01	0.015	0.010	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C12 – C16	<0.01	0.12	0.050	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C16 – C21	<0.01	0.16	0.040	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C21 – C35	<0.01	0.44	0.43	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aromatic C10 - C35	<0.01	0.73	0.53	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aromatic C5 - C35	<0.01	0.73	0.53	<0.01	<0.01	<0.01	<0.01	<0.01
PCB Congener 28		I/S[I/S]	<0.00002					
PCB Congener 52		I/S[I/S]	<0.00002					
PCB Congener 101		I/S[I/S]	<0.00002					
PCB Congener 118		I/S[I/S]	<0.00002					
PCB Congener 138		I/S[I/S]	<0.00002					
PCB Congener 153		I/S[I/S]	<0.00002					
PCB Congener 180		I/S[I/S]	<0.00002					
Total ICES-7 PCBs		I/S	<0.00014					

Sample Location	MW25-04A	MW25-04A	MW25-04A	MW25-07	MW25-07	MW25-07	MW25-35	MW25-35	MW25-35
Monitoring Round No.	1	2	3	1	2	3	1	2	3
Date Sampled	17/03/2025	07/04/2025	28/04/2025	18/03/2025	08/04/2025	29/04/2025	18/03/2025	07/04/2025	28/04/2025
Stratum	Wolston Sand & Gravel			Wolston Sand & Gravel			Wolston Sand & Gravel		
pH	7.30	7.20	7.10	7.20	7.20	6.90	7.30	7.30	7.10
Conductivity	2000.00	1900.00	2100.00	2100.00	2100.00	2100.00	2400.00	2300.00	2500.00
Cyanide (Total) (as CN)	0.040	0.040	0.050	0.57	0.53	0.51	0.17	0.29	0.34
Complexed cyanide	0.040	0.040	0.050	0.57	0.53	0.51	0.17	0.29	0.34
Easily liberatable cyanide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thiocyanate	<0.2	0.20	0.20	0.30	0.30	0.30	<0.2	<0.2	<0.2
Sulphate	338.00	326.00	310.00	913.00	637.00	833.00	383.00	367.00	377.00
Sulphur (Elemental)	<0.02		<0.02	<0.02		<0.02	<0.02		<0.02
Sulphide	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	360.00	350.00	380.00	180.00	210.00	130.00	610.00	490.00	490.00
Ammonium as NH4	7.10	5.70	4.60	2.70	2.90	2.50	2.70	2.40	2.40
Ammoniacal N (total) as N	5.52	4.43	3.58	2.10	2.26	1.94	2.10	1.87	1.87
Un-ionised ammonia as nitrogen (NH3 as N)	5.52	4.43	3.58	2.10	2.26	1.94	2.10	1.87	1.87
Total Organic Carbon (TOC)	5.86	4.47	3.33	5.25	3.98	5.01	2.88	2.73	2.73
Alkalinity as CaCO3	340.00	300.00	300.00	370.00	340.00	340.00	320.00	250.00	270.00
Dissolved Organic Carbon (DOC)	5.59	4.31	3.09	4.74	3.82	4.88	2.85	2.55	2.53
Total Suspended Solids	56.00	110.00	240.00	110.00	75.00	700.00	120.00	95.00	22.00
Hardness - Total	550.00	567.00	564.00	1110.00	818.00	1200.00	619.00	550.00	631.00
Catechol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Xylenols & Ethylphenols	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Isopropylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenols (Total)	<0.0035	<0.0035	<0.0035	<0.0035	0.058	<0.0035	<0.0035	<0.0035	<0.0035
Naphthalene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0022	0.0016	0.00049
Acenaphthylene	<0.00001	<0.00001	<0.00001	0.000040	<0.00001	<0.00001	0.00028	<0.00001	<0.00001
Acenaphthene	<0.00001	<0.00001	0.000060	<0.00001	<0.00001	<0.00001	0.00013	<0.00001	0.000070
Fluorene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00024	0.00016	0.000080
Phenanthrene	<0.00001	<0.00001	0.00019	0.000040	<0.00001	<0.00001	0.00032	0.00026	<0.00001
Anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	<0.00001	<0.00001	0.00021	<0.00001	<0.00001	<0.00001	0.00016	<0.00001	0.000090
Pyrene	<0.00001	<0.00001	0.00019	0.000080	<0.00001	<0.00001	0.00013	<0.00001	0.000070
Benzo[a]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chrysene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[b]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz[a,h]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene &	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene,	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PAH 16 Total	<0.00016	<0.00016	0.00064	0.00016	<0.00016	<0.00016	0.0035	0.0020	0.00080
Calcium	170.00	170.00	170.00	390.00	280.00	420.00	190.00	180.00	210.00
Iron	0.028	0.025	0.023	0.33	0.25	0.27	0.11	0.16	0.18
Arsenic	0.00057	0.00083	0.0011	0.00061	0.00054	0.00083	0.00039	0.00098	0.0013
Cadmium	0.000040	0.000030	0.000050	0.00017	0.00035	0.00050	0.000040	0.000030	0.000040
Chromium (VI)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (Total)	<0.0002	<0.0002	<0.0002	0.00032	<0.0002	0.00037	<0.0002	0.0011	<0.0002
Copper	0.0033	0.0024	0.0029	0.0044	0.0048	0.0094	0.0033	0.0042	0.0020
Lead	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury (inorganic)	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel	0.0055	0.0053	0.0052	0.013	0.014	0.017	0.0031	0.0030	0.0042
Selenium	0.00080	<0.0006	<0.0006	0.0022	0.0015	0.0041	0.0011	0.0011	0.00080
Zinc	0.0048	0.0034	0.0048	0.0071	0.0055	0.032	0.0080	0.0070	0.0073
Benzene			<0.001						<0.001
Toluene			<0.001						<0.001
Ethylbenzene			<0.001						<0.001
Xylene (p & m-Xylene)			<0.001						<0.001
Xylene (o-Xylene)			<0.001						<0.001
Xylenes (Total of m and p, o-xylenes)			<0.002						<0.002
Methyl tert-butyl ether	<0.003			<0.003			<0.003		
TPH (C10 - C40)	<0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH Total C5 - C35	<0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C5 - C6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C6 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C10 – C12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C12 – C16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C16 - C21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C21 - C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C10 - C35	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C5 - C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C5 - C7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C7 - C8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C8 – C10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C10 – C12	<0.01	0.030	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C12 – C16	<0.01	0.030	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C16 – C21	<0.01	0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C21 – C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aromatic C10 - C35	<0.01	0.070	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
Total Aromatic C5 - C35	<0.01	0.070	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB Congener 28							<0.00002	<0.02	<0.02
PCB Congener 52							<0.00002	<0.02	<0.02
PCB Congener 101							<0.00002	<0.02	<0.02
PCB Congener 118							<0.00002	<0.02	<0.02
PCB Congener 138							<0.00002	<0.02	<0.02
PCB Congener 153							<0.00002	<0.02	<0.02
PCB Congener 180							<0.00002	<0.02	<0.02
Total ICES-7 PCBs							<0.00014	<0.14	<0.14

Table F: Groundwater Analytical Data - Area B

NUMBER OF SAMPLES: 121

CRITERIA 1: 0 | CRITERIA 2: 0

Analytical Parameter	Units	Limit of detection	No. Analyses	Min	Mean	Max	Max ID	MW25-13A 1 19/03/2025 Made Ground/Wolston Clay Member	MW25-13A 2 09/04/2025	MW25-13A 3 30/04/2025	MW25-33 1 18/03/2025 Made Ground	MW25-33 2 09/04/2025	MW25-33 3 30/04/2025	MW25-10 1 19/03/2025 Made Ground	MW25-10 2 09/04/2025	MW25-10 3 30/04/2025
pH	pH Units	N/A	121	6.8	7.6	11.500	MW25-22	7.90	7.90	7.90	7.60	7.30	7.50	9.90	10.10	10.20
Conductivity	µS.cm^{-1}	10	121	640	2513.6	7200	MW25-17	1400.00	1400.00	1400.00	1000.00	1100.00	1200.00	2000.00	1800.00	1800.00
Cyanide (Total) (as CN)	mg.L^{-1}	0.01	121	<0.01	<0.77	8.6	MW25-10	0.36	0.44	0.37	0.66	0.79	0.48	7.90	8.60	3.90
Complexed cyanide	mg.L^{-1}	0.01	121	<0.01	<0.77	8.5	MW25-10	0.36	0.44	0.37	0.66	0.79	0.48	7.90	8.50	3.90
Easily liberatable cyanide	mg.L^{-1}	0.01	121	<0.01	<0.01	0.07	MW25-14	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.030	0.020	0.020
Thiocyanate	mg.L^{-1}	0.2	121	<0.2	<0.8	12	MW25-14	0.20	0.30	0.30	0.30	0.20	0.40	6.20	5.10	4.70
Sulphate	mg.L^{-1}	0.045	121	29.9	545.662	2220	MW25-17	446.00	474.00	478.00	378.00	480.00	433.00	568.00	439.00	423.00
Sulphur (Elemental)	mg.L^{-1}	0.02	80	<0.02	<0.02	0.04	CBH102	<0.02		<0.02	<0.02		<0.02	<0.02		<0.02
Sulphide	mg.L^{-1}	0.005	121	<0.005	<0.176	5.9	MW25-17	<0.005	<0.005	<0.005	<0.005	0.012	<0.005	0.0060	<0.005	<0.005
Chloride	mg.L^{-1}	0.15	121	27	446.72	1900	MW25-17	82.00	81.00	84.00	27.00	35.00	40.00	350.00	350.00	330.00
Ammonium as NH4	mg.L^{-1}	0.015	121	<0.015	<54.093	680	MW25-27	4.70	4.40	4.70	0.33	0.30	0.058	26.00	24.00	22.00
Ammoniacal N (total) as N	mg.L^{-1}	0.011667	121	<0.011667	<42.073497	528.904	MW25-27	3.66	3.42	3.66	0.26	0.23	0.045	20.22	18.67	17.11
Un-ionised ammonia as nitrogen (NH3 as N)	mg.L^{-1}	0.011667	121	<0.011667	<42.073497	528.904	MW25-27	3.66	3.42	3.66	0.26	0.23	0.045	20.22	18.67	17.11
Total Organic Carbon (TOC)	mg.L^{-1}	0.1	121	2.46	23.7	264	MW25-27	12.10	9.87	11.00	9.65	11.20	7.23	100.00	66.90	55.10
Alkalinity as CaCO3	mg.L^{-1}	3	121	50	379.4	1200	MW25-27	280.00	300.00	320.00	180.00	200.00	210.00	120.00	110.00	110.00
Dissolved Organic Carbon (DOC)	mg.L^{-1}	0.1	121	2.44	21.3	235	MW25-27	11.50	9.75	10.80	9.61	10.50	7.12	98.60	66.40	55.00
Total Suspended Solids	mg.L^{-1}	2	121	<2	<1193.9	110000	CBH129	250.00	450.00	110.00	220.00	720.00	73.00	250.00	39.00	280.00
Hardness - Total	mgCaCO3.L^{-1}	1	121	201	694.2	2520	MW25-08	573.00	602.00	563.00	408.00	520.00	486.00	615.00	560.00	410.00
Catechol	mg.L^{-1}	0.0005	121	<0.0005	<0.2783	14	MW25-27	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	mg.L^{-1}	0.0005	121	<0.0005	<0.0179	0.48	MW25-23B	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylphenol & Dimethylphenol	mg.L^{-1}															
Cresols (Total)	mg.L^{-1}	0.0005	121	<0.0005	<1.3943	50	MW25-27	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	mg.L^{-1}	0.0005	121	<0.0005	<0.0558	2.2	MW25-23B	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Xylenols & Ethylphenols	mg.L^{-1}	0.0005	121	<0.0005	<2.4998	66	MW25-27	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Chlorophenol	mg.L^{-1}	0.0001	1	0	0	0	MW25-23B									
3,5-Dimethylphenol	mg.L^{-1}	0.0001	1	0	0	0	MW25-23B									
Isopropylphenol	mg.L^{-1}	0.0005	121	<0.0005	<0.1477	10	MW25-27	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenol	mg.L^{-1}	0.00005	2	<0.00005	<5.50003	11	MW25-27									
Trimethylphenol	mg.L^{-1}	0.0005	121	<0.0005	<0.5489	16	MW25-23B	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenols (Total)	mg.L^{-1}	0.0035	121	<0.0035	<5.9229	190	MW25-27	0.27	<0.0035	<0.0035	0.22	<0.0035	<0.0035	0.49	<0.0035	<0.0035
Naphthalene	mg.L^{-1}	0.00001	121	<0.00001	<0.46322	6.8	MW25-23B	<0.00001	0.011	0.0028	0.011	0.042	0.014	1.70	1.40	1.30
Acenaphthylene	mg.L^{-1}	0.00001	121	<0.00001	<0.02575	0.57	MW25-23B	0.0011	0.019	0.00041	0.053	0.055	0.0042	0.11	0.084	0.061
Acenaphthene	mg.L^{-1}	0.00001	121	<0.00001	<0.00578	0.12	MW25-16A-S	0.0048	0.018	0.0013	0.035	0.034	0.0027	0.013	0.011	0.0063
Fluorene	mg.L^{-1}	0.00001	121	<0.00001	<0.01219	0.39	MW25-16A-S	0.00073	0.014	<0.00001	0.029	0.039	0.0019	0.025	0.021	0.011
Phenanthrene	mg.L^{-1}	0.00001	121	<0.00001	<0.02357	1.1	MW25-16A-S	<0.00001	0.0061	0.00020	0.026	0.053	0.0057	0.022	0.018	0.011
Anthracene	mg.L^{-1}	0.00001	121	<0.00001	<0.00742	0.36	MW25-16A-S	<0.00001	0.0038	<0.00001	0.0068	0.024	0.0037	0.0063	<<0.00010	0.0030
Fluoranthene	mg.L^{-1}	0.00001	121	<0.00001	<0.01337	0.81	MW25-16A-S	0.00072	0.0039	0.00052	0.0033	0.031	0.016	0.0033	0.0023	0.0015
Pyrene	mg.L^{-1}	0.00001	121	<0.00001	<0.01045	0.62	MW25-16A-S	0.00093	0.0040	0.00087	0.0026	0.027	0.0097	0.0036	0.0024	0.0017
Benzo[a]anthracene	mg.L^{-1}	0.00001	121	<0.00001	<0.00473	0.29	MW25-16A-S	<0.00001	0.00098	<0.00001	0.00034	0.010	0.0051	0.00081	0.00065	0.00033
Chrysene	mg.L^{-1}	0.00001	121	<0.00001	<0.00328	0.25	MW25-16A-S	<0.00001	0.00074	<0.00001	0.00022	0.0093	0.0048	0.00064	0.00064	0.00026
Benzo[b]fluoranthene	mg.L^{-1}	0.00001	121	<0.00001	<0.00342	0.28	MW25-16A-S	<0.00001	0.00061	<0.00001	<<0.00010	0.0086	0.0044	<<0.00010	<<0.00010	<0.00001
Benzo[k]fluoranthene	mg.L^{-1}	0.00001	121	<0.00001	<0.00161	0.13	MW25-16A-S	<0.00001	0.00021	<0.00001	<<0.00010	0.0029	0.0026	<<0.00010	<<0.00010	<0.00001
Benzo[a]pyrene	mg.L^{-1}	0.00001	121	<0.00001	<0.0034	0.27	MW25-16A-S	<0.00001	0.00067	<0.00001	<<0.00010	0.0079	0.0048	0.00043	<<0.00010	<0.00001
Indeno[1,2,3-cd]pyrene	mg.L^{-1}	0.00001	121	<0.00001	<0.00148	0.12	MW25-16A-S	<0.00001	0.00021	<0.00001	<<0.00010	0.0033	0.0024	0.00012 &	0.00050	<0.00001
Dibenzo[a,h]anthracene	mg.L^{-1}	0.00001	121	<0.00001	<0.00004	0.0032	MW25-23B	<0.00001	<<0.00010	<0.00001	<<0.00010	<0.00001	<0.00001	<<0.00010	<<0.00010	<0.00001
Benzo[ghi]perylene	mg.L^{-1}	0.00001	121	<0.00001	<0.00159	0.13	MW25-16A-S	<0.00001	0.00023	<0.00001	<<0.00010	0.0039	0.0026	0.00018	0.00053	<0.00001
Sum of benzo[b]fluoranthene & ...	mg.L^{-1}	0.00002	121	<0.00002	<0.00504	0.41	n/a	<0.00002	0.00082	<0.00002		0.0115	0.007			<0.00002
Sum of benzo[b]fluoranthene, ...	mg.L^{-1}	0.00004	121	<0.00004	<0.00801	0.65	n/a	<0.00004	0.00132	<0.00004		0.018	0.0124			<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-...	mg.L^{-1}	0.00002	121	<0.00002	<0.00307	0.25	n/a	<0.00002	0.00044	<0.00002		0.0072	0.005		0.00103	<0.00002
PAH 16 Total	mg.L^{-1}	0.00016	121	<0.00016	<0.58256	9.8	MW25-23B	0.0082	0.083	0.0061	0.17	0.35	0.084	1.90	1.60	1.40
Calcium	mg.L^{-1}	0.012	119	55	222.815	830	MW25-08	140.00	140.00	130.00	130.00	170.00	150.00	250.00	220.00	160.00
Iron	mg.L^{-1}	0.004	121	<0.004	<0.529	4.4	MW25-10	0.25	1.90	0.20	1.30	0.36	0.35	4.40	3.20	2.90
Magnesium	mg.L^{-1}															
Arsenic	mg.L^{-1}	0.00015	121	0.00035	0.00884	0.088	MW25-10	0.011	0.0091	0.012	0.0024	0.0021	0.0022	0.070	0.079	0.088
Cadmium	mg.L^{-1}	0.00002	121	<0.00002	<0.00008	0.00073	CBH124	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00010	0.000080	0.00013
Chromium (VI)	mg.L^{-1}	0.005	121	<0.005	<0.005	<0.005	n/a	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (Total)	mg.L^{-1}	0.0002	121	<0.0002	<0.0007	0.0064	MW25-27	0.00025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0011	0.00032	0.00031
Copper	mg.L^{-1}	0.0005	121	<0.0005	<0.0033	0.017	CBH108-DUP	0.0016	0.0016	0.0021	0.0015	0.0017	0.0022	0.0061	0.0045	0.0029
Lead	mg.L^{-1}	0.0002	121	<0.0002	<0.0003	0.0052	CBH104	<0.0002	<0.0002	<0.0002	<0.0002	0.0011	0.00020	0.0012	0.0021	0.00040
Mercury (inorganic)	mg.L^{-1}	0.00005	121	<0.00005	<0.0001	0.00199	MW25-17	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00024	0.00011	0.000090
Nickel	mg.L^{-1}	0.0005	121	0.0006	0.0056	0.023	MW25-17	0.0017	0.0012	0.0016	0.0022	0.0017	0.0018	0.015	0.012	0.012
Selenium	mg.L^{-1}	0.0006	121	<0.0006	<0.0026	0.015	MW25-14	0.0014	0.0012	0.0010	0.0025	0.0023	0.0034	0.0063	0.0030	0.0029
Zinc	mg.L^{-1}	0.0005	121	0.0006	0.006	0.0499	CBH104	0.0024	0.00080	0.0022	0.0015	0.0015	0.0026	0.0019	0.00070	0.0013
Benzene	mg.L^{-1}	0.001	13	<0.001	<0.005	0.028	MW25-22									
Toluene	mg.L^{-1}	0.001	13	<0.001	<0.001	0.005	MW25-22									
Ethylbenzene	mg.L^{-1}	0.001	13	<0.001	<0.001	0.006	MW25-22									
Xylene (p & m-Xylene)	mg.L^{-1}	0.001	13	<0.001	<0.002	0.01	MW25-17									
Xylene (o-Xylene)	mg.L^{-1}	0.001	13	<0.001	<0.001	0.006	MW25-22									
Xylenes (Total of m and p, o-xylenes)	mg.L^{-1}	0.002	121	<0.002	<0	0.015	n/a									
Methyl tert-butyl ether	mg.L^{-1}	0.003	55	<0.003	<0.057	<3	MW25-17	<0.003			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
TPH (C10 - C40)	mg.L^{-1}	0.01	108	<0.01	<6.63	166	MW25-27	1.32	1.49		5.07	13.5		5.23	5.19	
TPH Total C5 - C35	mg.L^{-1}	0.01	121	<0.01	<10.31	203	MW25-27	1.3000	1.5	1.13	5.6000	13.7000	1.7400	6.0500	7.1900	11.4000
Aliphatic C5 - C6	mg.L^{-1}	0.001	121	<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C6 - C8	mg.L^{-1}	0.001	121	<0.001	<0.001	0.061	MW25-33	<0.001	<0.001	<0.001	0.061	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C8 – C10	mg.L^{-1}	0.001	121	<0.001	<0.001	0.03	MW25-33	<0.001	<0.001	<0.001	0.030	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C10 – C12	mg.L^{-1}	0.01	121	<0.01	<0.07	3.11	MW25-27	<0.01	<<0.10 &	<0.01	<<0.10 &	0.51	<0.01	<<0.10 &	<<0.10 &	<0.01
Aliphatic C12 – C16	mg.L^{-1}	0.01	121	<0.01	<0.03	0.62	MW25-27	<0.01	<<0.10 &	<0.01	<<0.10 &	0.59	<0.01	<<0.10 &	<<0.10 &	<0.01
Aliphatic C16 – C21	mg.L^{-1}	0.01	121	<0.01	<0.02	0.32	CBH129	<0.01	<<0.10 &	<0.01	<<0.10 &	0.27	<0.01	<<0.10 &	<<0.10 &	<0.01
Aliphatic C21 - C35	mg.L^{-1}	0.01	121	<0.01	<0.02	0.7	CBH129	<0.01	<<0.10 &	<0.01	<0.1	0.20	<0.01	<<0.10 &	<<0.10 &	<0.01
Total Aliphatic C10 - C35	mg.L^{-1}	0.01	107	<0.01	<0.12	3.92	MW25-27	<0.01	<0.01	<0.01		1.56	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C5 - C35	mg.L^{-1}	0.01	121	<0.01	<0.11	3.92	MW25-27	<0.01	<0.01	<0.01	0.090	1.56	<0.01	<0.01	<0.01	<0.01
Aromatic C5 - C7	mg.L^{-1}	0.001	121	<0.001	<0.846	22	MW25-23B	0.0026	<0.001	<0.001	0.14	0.17	<0.001	0.44	0.85	1.90
Aromatic C7 - C8	mg.L^{-1}	0.001	121	<0.001	<0.412	14	MW25-23B	<0.001	<0.001	<0.001	0.076	0.028	<0.001	0.26	0.60	1.50
Aromatic C8 – C10	mg.L^{-1}	0.001	121	<0.001	<0.266	6.6	MW25-23B	0.0068	0.0064	<0.001	0.22	0.24	<0.001	0.18	0.54	1.90
Aromatic C10 – C12	mg.L^{-1}	0.01	121	<0.01	<6.02	156	MW25-27	0.26	0.45	0.20	1.65	2.49	0.26	3.10	3.45	4.23
Aromatic C12 – C16	mg.L^{-1}	0.01	121	<0.01	<1.89	33.7	MW25-27	0.46	0.62	0.38	2.31	4.08	0.58	1.16	1.14	1.11
Aromatic C16 – C21	mg.L^{-1}	0.01	121	<0.01	<0.41	9.17	MW25-23B	0.21	0.18	0.20	0.45	2.37	0.36	0.30	0.32	0.33
Aromatic C21 – C35	mg.L^{-1}	0.01	121	<0.01	<0.38	8	MW25-16A-S	0.36	0.25	0.34	0.66	2.77	0.54	0.60	0.29	0.49
Total Aromatic C10 - C35	mg.L^{-1}	0.01	107	<0.01	<6.94	192	MW25-27	1.29	1.49	1.13		11.70	1.74	5.17	5.19	6.15
Total Aromatic C5 - C35	mg.L^{-1}	0.01	121	<0.01	<10.19	199	MW25-27	1.30	1.50	1.13	5.51	12.20	1.74	6.05	7.19	11.40
Chloromethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Chloroethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Bromomethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Vinyl chloride (Chloroethene)	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Trichlorofluoromethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,1-Dichloroethene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,1,2-Trichloro-1,2,2-trifluoroethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Trans 1,2-dichloroethylene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,1-Dichloroethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
2,2-Dichloropropane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Trichloromethane (Chloroform)	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,1,1-Trichloroethane (TCA)	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dichloroethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,1-Dichloropropene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Cis-1,2-dichloroethene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Carbontetrachloride	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dichloropropane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Trichloroethene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Dibromomethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Bromodichloromethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Cis-1,3-dichloropropene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Trans-1,3-dichloropropene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,1,2 Trichloroethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,3-Dichloropropane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Dibromochloromethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Tetrachloroethene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dibromoethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
ChloroBenzene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Styrene	mg.L^{-1}	0.003	21	<0.003	<0.396	<3	MW25-17				<0.003	<0.003	<0.003	0.052	0.11	0.30
Bromoform	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Iso-propylbenzene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	0.0051	<0.003	<0.003	<0.003	<0.003
1,1,2,2-Tetrachloroethane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Bromobenzene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
n-Propylbenzene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
2-Chlorotoluene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
4-Chlorotoluene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,3,5-Trimethylbenzene	mg.L^{-1}	0.003	21	<0.003	<0.176	<3	MW25-17				<0.003	0.044	<0.003	<0.003	0.015	0.057
tert-Butylbenzene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	0.0091	<0.003	<0.003	<0.003	<0.003
1,2,4-Trimethylbenzene	mg.L^{-1}	0.003	21	<0.003	<0.271	<3	MW25-17				0.060	0.079	<0.003	<0.003	0.047	0.17
sec-Butylbenzene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,3-dichlorobenzene	mg.L^{-1}	0.00005	2	<0.00005	<0.00005	<0.00005	n/a									
p-Isopropyltoluene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	0.0047	<0.003	<0.003	<0.003	<0.003
1,4-dichlorobenzene	mg.L^{-1}	0.00005	2	<0.00005	<0.00005	<0.00005	n/a									
1,2-dichlorobenzene	mg.L^{-1}	0.00005	2	<0.00005	<0.00005	<0.00005	n/a									
Butylbenzene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dibromo-3-chloropropane	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2,4-trichlorobenzene	mg.L^{-1}	0.00005	2	<0.00005	<0.00005	<0.00005	n/a									
Hexachlorobutadiene	mg.L^{-1}	0.00005	2	<0.00005	<0.00005	<0.00005	n/a									
1,2,3-trichlorobenzene	mg.L^{-1}	0.003	21	<0.003	<0.146	<3	MW25-17				<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
PCB Congener 28	mg.L^{-1}	0.00002	5	<0.00002	<0.00801	<0.02	MW25-35									
PCB Congener 52	mg.L^{-1}	0.00002	5	<0.00002	<0.00801	<0.02	MW25-35									
PCB Congener 101	mg.L^{-1}	0.00002	5	<0.00002	<0.00801	<0.02	MW25-35									
PCB Congener 118	mg.L^{-1}	0.00002	5	<0.00002	<0.00801	<0.02	MW25-35									
PCB Congener 138	mg.L^{-1}	0.00002	5	<0.00002	<0.00801	<0.02	MW25-35									
PCB Congener 153	mg.L^{-1}	0.00002	5	<0.00002	<0.00801	<0.02	MW25-35									
PCB Congener 180	mg.L^{-1}	0.00002	5	<0.00002	<0.00801	<0.02	MW25-35									
Total ICES-7 PCBs	mg.L^{-1}	0.00014	5	<0.00014	<0.05606	<0.14	MW25-35									
3+4-Methylphenol	mg.L^{-1}	0.0001	8	<0.0001	<4.4151	13	MW25-27									
Aniline	mg.L^{-1}	0.00005	8	<0.00005	<0.04378	0.19	MW25-16A-S									
2-chlorophenol	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
Bis(2-chloroethyl)ether	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
Bis(2-chloroisopropyl)ether	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
2-Methylphenol	mg.L^{-1}	0.00005	8	<0.00005	<7.42503	23	MW25-27									
Hexachloroethane	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
Nitrobenzene	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
4-Methylphenol	mg.L^{-1}	0.00005	8	<0.00005	<4.41503	13	MW25-27									
Isophorone	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
2-Nitrophenol	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
2,4-Dimethylphenol	mg.L^{-1}	0.00005	8	<0.00005	<9.51001	22	MW25-27									
Bis(2-chloroethoxy)methane	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
2,4-Dichlorophenol	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
4-Chloroaniline	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
4-Chloro-3-methylphenol	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
2,4,6-Trichlorophenol	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
2,4,5-Trichlorophenol	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
2-Methylnaphthalene	mg.L^{-1}	0.00005	8	<0.00005	<0.28251	1.2	MW25-16A-S									
2-Chloronaphthalene	mg.L^{-1}	0.00005	8	<0.00005	<0.00026	0.0018	MW25-16A-S									
Dimethylphthalate	mg.L^{-1}	0.00005	8	<0.00005	<0.00016	0.001	MW25-16A-S									
2,6-Dinitrotoluene	mg.L^{-1}	0.00005	8	<0.00005	<0.00005	<0.00005	n/a									
2,4-Dinitrotoluene	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
Dibenzofuran	mg.L^{-1}	0.00005	8	<0.00005	<0.08076	0.43	MW25-16A-S									
4-Chlorophenyl phenyl ether	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
Diethyl phthalate	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
4-Nitroaniline	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
Azobenzene	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
Bromophenyl phenyl ether	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
Hexachlorobenzene	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
Carbazole	mg.L^{-1}	0.00005	8	<0.00005	<0.10319	0.25	MW25-16A-S									
Dibutyl phthalate	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
Anthraquinone	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									
Butyl benzyl phthalate	mg.L^{-1}	0.00005	8	<0.00005	<0.00004	<0.00005	n/a									

Table F: Groundwater Analytical Data - Area C

NUMBER OF SAMPLES: 4																
								Sample Location				MW25-28A	MW25-28A	MW25-28A	MW25-28A-DUP
								Monitoring Round No.				1	2	3	1
								Date Sampled				17/03/2025	07/04/2025	28/04/2025	17/03/2025
			CRITERIA 1	CRITERIA 2		CRITERIA 1	CRITERIA 2	Stratum				Wolston Sand and Gravel			
Analytical Parameter	**Units**	**Limit of detection**	**0**	**0**	**No. Analyses**	**Exceedances**	**Exceedances**	**Min**	**Mean**	**Max**	**Max ID**				
pH	pH Units	N/A			4			7.4	7.5	7.600	MW25-28A	7.50	7.60	7.40	7.40
Conductivity	µS.cm^{-1}	10			4			950	975	1000	MW25-28A	960.00	990.00	1000.00	950.00
Cyanide (Total) (as CN)	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Complexed cyanide	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Easily liberatable cyanide	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Thiocyanate	mg.L^{-1}	0.2			4			<0.2	<0.2	<0.2	n/a	<0.2	<0.2	<0.2	<0.2
Sulphate	mg.L^{-1}	0.045			4			118	125.75	133	MW25-28A	124.00	128.00	133.00	118.00
Sulphur (Elemental)	mg.L^{-1}	0.02			3			<0.02	<0.02	<0.02	n/a	<0.02		<0.02	<0.02
Sulphide	mg.L^{-1}	0.005			4			<0.005	<0.005	<0.005	n/a	<0.005	<0.005	<0.005	<0.005
Chloride	mg.L^{-1}	0.15			4			88	96.5	110	MW25-28A	88.00	110.00	100.00	88.00
Ammonium as NH4	mg.L^{-1}	0.015			4			<0.015	<0.015	0.015	MW25-28A	<0.015	0.015	<0.015	<0.015
Ammoniacal N (total) as N	mg.L^{-1}	0.011667			4			<0.011667	<0.011667	0.011667	MW25-28A	<0.011667	0.012	<0.011667	<0.011667
Un-ionised ammonia as nitrogen (NH3 as N)	mg.L^{-1}	0.011667			4			<0.011667	<0.011667	0.011667	MW25-28A	<0.011667	0.012	<0.011667	<0.011667
Total Organic Carbon (TOC)	mg.L^{-1}	0.1			4			1.78	2.1	2.48	MW25-28A	1.78	2.48	2.03	1.92
Alkalinity as CaCO3	mg.L^{-1}	3			4			260	282.5	300	MW25-28A	300.00	260.00	280.00	290.00
Dissolved Organic Carbon (DOC)	mg.L^{-1}	0.1			4			1.71	2	2.19	MW25-28A	1.71	2.19	2.03	1.88
Total Suspended Solids	mg.L^{-1}	2			4			270	4120	15000	MW25-28A	270.00	15000.00	460.00	750.00
Hardness - Total	mgCaCO.L^{-1}	1			4			414	446.5	497	MW25-28A	434.00	441.00	497.00	414.00
Catechol	mg.L^{-1}	0.0005			4			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	mg.L^{-1}	0.0005			4			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	mg.L^{-1}	0.0005			4			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	mg.L^{-1}	0.0005			4			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005
4-Chlorophenol	mg.L^{-1}	0.0001			0			0	n/a	<0	n/a				
3,5-Dimethylphenol	mg.L^{-1}	0.0001			0			0	n/a	<0	n/a				
Isopropylphenol	mg.L^{-1}	0.0005			4			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005
Phenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Trimethylphenol	mg.L^{-1}	0.0005			4			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005
Phenols (Total)	mg.L^{-1}	0.0035			4			<0.0035	<0.0035	<0.0035	n/a	<0.0035	<0.0035	<0.0035	<0.0035
Naphthalene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthylene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Anthracene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Pyrene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]anthracene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Chrysene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[b]fluoranthene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz(a,h)anthracene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	mg.L^{-1}	0.00001			4			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	mg.L^{-1}	0.00002			4			<0.00002	<0.00002	<0.00002	n/a	<0.00002	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	mg.L^{-1}	0.00004			4			<0.00004	<0.00004	<0.00004	n/a	<0.00004	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	mg.L^{-1}	0.00002			4			<0.00002	<0.00002	<0.00002	n/a	<0.00002	<0.00002	<0.00002	<0.00002
PAH 16 Total	mg.L^{-1}	0.00016			4			<0.00016	<0.00016	<0.00016	n/a	<0.00016	<0.00016	<0.00016	<0.00016
Calcium	mg.L^{-1}	0.012			4			130	140	160	MW25-28A	140.00	130.00	160.00	130.00
Iron	mg.L^{-1}	0.004			4			0.008	0.03	0.087	MW25-28A	0.016	0.087	0.0080	0.0080
Magnesium	mg.L^{-1}														
Arsenic	mg.L^{-1}	0.00015			4			0.0011	0.00133	0.0017	MW25-28A	0.0012	0.0013	0.0017	0.0011
Cadmium	mg.L^{-1}	0.00002			4			0.00004	0.00006	0.00008	MW25-28A	0.000060	0.000080	0.000060	0.000040
Chromium (VI)	mg.L^{-1}	0.005			4			<0.005	<0.005	<0.005	n/a	<0.005	<0.005	<0.005	<0.005
Chromium (Total)	mg.L^{-1}	0.0002			4			<0.0002	<0.0003	0.00036	MW25-28A-DUP	0.00034	0.00022	<0.0002	0.00036
Copper	mg.L^{-1}	0.0005			4			0.0013	0.0024	0.0041	MW25-28A	0.0022	0.0013	0.0041	0.0021
Lead	mg.L^{-1}	0.0002			4			<0.0002	<0.0002	<0.0002	n/a	<0.0002	<0.0002	<0.0002	<0.0002
Mercury (inorganic)	mg.L^{-1}	0.00005			4			<0.00005	<0.00005	<0.00005	n/a	<0.00005	<0.00005	<0.00005	<0.00005
Nickel	mg.L^{-1}	0.0005			4			0.0036	0.004	0.0049	MW25-28A	0.0040	0.0049	0.0036	0.0036
Selenium	mg.L^{-1}	0.0006			4			0.0006	0.0009	0.0012	MW25-28A	0.00090	0.0012	0.00090	0.00060
Zinc	mg.L^{-1}	0.0005			4			0.0016	0.0023	0.0027	MW25-28A	0.0022	0.0016	0.0027	0.0026
Benzene	mg.L^{-1}	0.001			1			<0.001	<0.001	<0.001	n/a			<0.001	
Toluene	mg.L^{-1}	0.001			1			<0.001	<0.001	<0.001	n/a			<0.001	
Ethylbenzene	mg.L^{-1}	0.001			1			<0.001	<0.001	<0.001	n/a			<0.001	
Xylene (p & m-Xylene)	mg.L^{-1}	0.001			1			<0.001	<0.001	<0.001	n/a			<0.001	
Xylene (o-Xylene)	mg.L^{-1}	0.001			1			<0.001	<0.001	<0.001	n/a			<0.001	
Xylenes (Total of m and p, o-xylenes)	mg.L^{-1}	0.002			4			<0.002	<0.001	<0.002	n/a			<0.002	
Methyl tert-butyl ether	mg.L^{-1}	0.003			2			<0.003	<0.003	<0.003	n/a	<0.003			<0.003
TPH (C10 - C40)	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
TPH Total C5 - C35	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Aliphatic C5 - C6	mg.L^{-1}	0.001			4			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001
Aliphatic C6 - C8	mg.L^{-1}	0.001			4			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001
Aliphatic C8 – C10	mg.L^{-1}	0.001			4			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001
Aliphatic C10 – C12	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Aliphatic C12 – C16	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Aliphatic C16 - C21	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Aliphatic C21 - C35	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C10 - C35	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C5 - C35	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Aromatic C5 - C7	mg.L^{-1}	0.001			4			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001
Aromatic C7 - C8	mg.L^{-1}	0.001			4			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001
Aromatic C8 – C10	mg.L^{-1}	0.001			4			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001
Aromatic C10 – C12	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Aromatic C12 – C16	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Aromatic C16 – C21	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Aromatic C21 – C35	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Total Aromatic C10 - C35	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Total Aromatic C5 - C35	mg.L^{-1}	0.01			4			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01
Chloromethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Chloroethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Bromomethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Vinyl chloride (Chloroethene)	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Trichlorofluoromethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,1-Dichloroethene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,1,2-Trichloro-1,2,2-trifluoroethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Trans 1,2-dichloroethylene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,1-Dichloroethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
2,2-Dichloropropane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Trichloromethane (Chloroform)	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,1,1-Trichloroethane (TCA)	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,2-Dichloroethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,1-Dichloropropene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Cis-1,2-dichloroethene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				

Table F: Groundwater Analytical Data - Area C

NUMBER OF SAMPLES: 4								Sample Location	MW25-28A	MW25-28A	MW25-28A	MW25-28A-DUP
								Monitoring Round No.	1	2	3	1
								Date Sampled	17/03/2025	07/04/2025	28/04/2025	17/03/2025
			CRITERIA 1	CRITERIA 2	CRITERIA 1	CRITERIA 2		Stratum	Wolston Sand and Gravel			
Analytical Parameter	**Units**	**Limit of detection**	**0**	**0**	**No. Analyses**	**Exceedances**	**Exceedances**	**Min**	**Mean**	**Max**	**Max ID**				
Carbontetrachloride	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,2-Dichloropropane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Trichloroethene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Dibromomethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Bromodichloromethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Cis-1,3-dichloropropene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Trans-1,3-dichloropropene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,1,2 Trichloroethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,3-Dichloropropane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Dibromochloromethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Tetrachloroethene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,2-Dibromoethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
ChloroBenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Styrene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Bromoform	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Iso-propylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,1,2,2-Tetrachloroethane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
Bromobenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
n-Propylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
2-Chlorotoluene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
4-Chlorotoluene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,3,5-Trimethylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
tert-Butylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,2,4-Trimethylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
sec-Butylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,3-dichlorobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
p-Isopropyltoluene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,4-dichlorobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
1,2-dichlorobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Butylbenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,2-Dibromo-3-chloropropane	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
1,2,4-trichlorobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Hexachlorobutadiene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
1,2,3-trichlorobenzene	mg.L^{-1}	0.003			0			0	n/a	<0	n/a				
PCB Congener 28	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a				
PCB Congener 52	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a				
PCB Congener 101	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a				
PCB Congener 118	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a				
PCB Congener 138	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a				
PCB Congener 153	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a				
PCB Congener 180	mg.L^{-1}	0.00002			0			0	n/a	<0	n/a				
Total ICES-7 PCBs	mg.L^{-1}	0.00014			0			0	n/a	<0	n/a				
3+4-Methylphenol	mg.L^{-1}	0.0001			0			0	n/a	<0	n/a				
Aniline	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
2-chlorophenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Bis(2-chloroethyl)ether	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Bis(2-chloroisopropyl)ether	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
2-Methylphenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Hexachloroethane	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Nitrobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
4-Methylphenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Isophorone	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
2-Nitrophenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
2,4-Dimethylphenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Bis(2-chloroethoxy)methane	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
2,4-Dichlorophenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
4-Chloroaniline	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
4-Chloro-3-methylphenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
2,4,6-Trichlorophenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
2,4,5-Trichlorophenol	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
2-Methylnaphthalene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
2-Chloronaphthalene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Dimethylphthalate	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
2,6-Dinitrotoluene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
2,4-Dinitrotoluene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Dibenzofuran	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
4-Chlorophenyl phenyl ether	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Diethyl phthalate	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
4-Nitroaniline	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Azobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Bromophenyl phenyl ether	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Hexachlorobenzene	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Carbazole	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Dibutyl phthalate	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Anthraquinone	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				
Butyl benzyl phthalate	mg.L^{-1}	0.00005			0			0	n/a	<0	n/a				

Relative Percentage Difference (RPD) - Groundwater

Hinckley

Sample Location		CBH108-DUP	CBH108	RPD	CBH108-DUP	CBH108	RPD	MW25-01-DUP	MW25-01	RPD
Monitoring Round No.		1	1		2	2		2	2	
Date Sampled		17/03/2025	17/03/2025	%	08/04/2025	08/04/2025	%	07/04/2025	07/04/2025	%
Analytical Parameter	**Units**									
pH	pH Units	7.10	7.10	0.0%	7.10	7.00	1.4%	7.50	7.50	0.0%
Conductivity	uS.cm^{-1}	5600.00	5600.00	0.0%	5400.00	5300.00	1.9%	1500.00	1600.00	6.5%
Cyanide (Total) (as CN)	mg.L^{-1}	1.20	1.20	0.0%	1.20	1.10	8.7%	0.020	0.020	0.0%
Complexed cyanide	mg.L^{-1}	1.20	1.20	0.0%	1.20	1.10	8.7%	0.020	0.020	0.0%
Easily liberatable cyanide	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Thiocyanate	mg.L^{-1}	0.40	0.50	**22.2%**	0.50	0.40	**22.2%**	<0.2	0.30	**40.0%**
Sulphate	mg.L^{-1}	1330.00	1220.00	8.6%	1140.00	1070.00	6.3%	246.00	252.00	2.4%
Sulphur (Elemental)	mg.L^{-1}	<0.02	<0.02	0.0%						
Sulphide	mg.L^{-1}	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Chloride	mg.L^{-1}	1700.00	1700.00	0.0%	1500.00	1500.00	0.0%	210.00	210.00	0.0%
Ammonium as NH4	mg.L^{-1}	18.00	18.00	0.0%	23.00	23.00	0.0%	3.80	4.00	5.1%
Ammoniacal N (total) as N	mg.L^{-1}	14.00	14.00	0.0%	17.89	17.89	0.0%	2.96	3.11	5.1%
Un-ionised ammonia as nitrogen (NH3 as N)	mg.L^{-1}	14.00	14.00	0.0%	17.89	17.89	0.0%	2.96	3.11	5.1%
Total Organic Carbon (TOC)	mg.L^{-1}	10.50	10.60	0.9%	9.64	9.87	2.4%	9.40	9.19	2.3%
Alkalinity as CaCO3	mg.L^{-1}	540.00	530.00	1.9%	510.00	540.00	5.7%	330.00	370.00	11.4%
Dissolved Organic Carbon (DOC)	mg.L^{-1}	10.30	10.30	0.0%	9.56	9.82	2.7%	9.29	8.31	11.1%
Total Suspended Solids	mg.L^{-1}	59.00	26.00	**77.6%**	26.00	40.00	**42.4%**	91.00	110.00	18.9%
Hardness - Total	mgCaCO$_3$.L^{-1}	1450.00	1460.00	0.7%	1320.00	1810.00	**31.3%**	397.00	444.00	11.2%
Catechol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Resorcinol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Cresols (Total)	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Total Xylenols & Ethylphenols	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Naphthols	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Isopropylphenol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Trimethylphenol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Phenols (Total)	mg.L^{-1}	0.36	0.35	2.8%	<0.0035	<0.0035	0.0%	<0.0035	<0.0035	0.0%
Naphthalene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Acenaphthylene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Acenaphthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Fluorene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Phenanthrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Anthracene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[a]anthracene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Chrysene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[b]fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[k]fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[a]pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Indeno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Dibenz(a,h)anthracene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[ghi]perylene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	mg.L^{-1}	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00004	<0.00004	0.0%	<0.00004	<0.00004	0.0%	<0.00004	<0.00004	0.0%
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%
PAH 16 Total	mg.L^{-1}	<0.00016	<0.00016	0.0%	<0.00016	<0.00016	0.0%	<0.00016	<0.00016	0.0%
Calcium	mg.L^{-1}	480.00	470.00	2.1%	410.00	590.00	**36.0%**	120.00	130.00	8.0%
Iron	mg.L^{-1}	0.45	0.46	2.2%	0.45	0.45	0.0%	0.021	0.017	**21.1%**
Magnesium	mg.L^{-1}									
Arsenic	mg.L^{-1}	0.00070	0.00072	2.8%	0.00068	0.00071	4.3%	0.0028	0.0031	10.2%
Cadmium	mg.L^{-1}	0.00023	0.00021	9.1%	0.00025	0.00026	3.9%	<0.00002	<0.00002	0.0%
Chromium (VI)	mg.L^{-1}	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Chromium (Total)	mg.L^{-1}	0.00068	0.00048	**34.5%**	0.0010	0.0006	**45.4%**	<0.0002	0.00020	0.0%
Copper	mg.L^{-1}	0.017	0.006	**99.6%**	0.0060	0.0064	6.5%	0.0023	0.0020	14.0%
Lead	mg.L^{-1}	0.00030	<0.0002	**40.0%**	<0.0002	<0.0002	0.0%	<0.0002	<0.0002	0.0%
Mercury (inorganic)	mg.L^{-1}	<0.00005	<0.00005	0.0%	<0.00005	<0.00005	0.0%	<0.00005	<0.00005	0.0%
Nickel	mg.L^{-1}	0.0044	0.0042	4.7%	0.0046	0.0048	4.3%	0.0049	0.0050	2.0%
Selenium	mg.L^{-1}	0.0017	0.0016	6.1%	0.0013	0.0010	**26.1%**	0.00080	0.00080	0.0%
Zinc	mg.L^{-1}	0.013	0.014	7.3%	0.0083	0.0104	**22.5%**	0.0010	0.0009	10.5%
Benzene	mg.L^{-1}									
Toluene	mg.L^{-1}									
Ethylbenzene	mg.L^{-1}									
Xylene (p & m-Xylene)	mg.L^{-1}									
Xylene (o-Xylene)	mg.L^{-1}									
Xylenes (Total of m and p, o-xylenes)	mg.L^{-1}									
Methyl tert-butyl ether	mg.L^{-1}	<0.003	<0.003	0.0%						
TPH (C10 - C40)	mg.L^{-1}	<0.01	0.34	1.885714286	<0.01	<0.01	0	<0.01	<0.01	0
TPH Total C5 - C35	mg.L^{-1}	<0.01	0.31	1.875	<0.01	<0.01	0	<0.01	<0.01	0
Aliphatic C5 - C6	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C6 - C8	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C8 – C10	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C10 – C12	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C12 – C16	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C16 - C21	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C21 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aliphatic C10 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aliphatic C5 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C5 - C7	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C7 - C8	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C8 – C10	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C10 – C12	mg.L^{-1}	<0.01	0.030	**100.0%**	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C12 – C16	mg.L^{-1}	<0.01	0.040	**120.0%**	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C16 – C21	mg.L^{-1}	<0.01	0.050	**133.3%**	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C21 – C35	mg.L^{-1}	<0.01	0.200	**181.0%**	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aromatic C10 - C35	mg.L^{-1}	<0.01	0.310	**187.5%**	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aromatic C5 - C35	mg.L^{-1}	<0.01	0.310	**187.5%**	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%

Sample Location		MW25-01-DUP	MW25-01	RPD	MW25-02-DUP	MW25-02	RPD	MW25-02-DUP	MW25-02	RPD
Monitoring Round No.		3	3		2	2		3	3	
Date Sampled		28/04/2025	28/04/2025	%	07/04/2025	07/04/2025	%	28/04/2025	28/04/2025	%
Analytical Parameter	**Units**									
pH	pH Units	7.40	7.30	1.4%	7.40	7.40	0.0%	7.30	7.30	0.0%
Conductivity	uS.cm^{-1}	1600.00	1600.00	0.0%	810.00	810.00	0.0%	850.00	870.00	2.3%
Cyanide (Total) (as CN)	mg.L^{-1}	0.030	0.030	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Complexed cyanide	mg.L^{-1}	0.030	0.030	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Easily liberatable cyanide	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Thiocyanate	mg.L^{-1}	0.20	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%
Sulphate	mg.L^{-1}	229.00	216.00	5.8%	69.00	68.80	0.3%	82.60	75.20	9.4%
Sulphur (Elemental)	mg.L^{-1}	<0.02	<0.02	0.0%				<0.02	<0.02	0.0%
Sulphide	mg.L^{-1}	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Chloride	mg.L^{-1}	210.00	210.00	0.0%	89.00	90.00	1.1%	92.00	92.00	0.0%
Ammonium as NH4	mg.L^{-1}	3.90	3.80	2.6%	0.21	0.18	15.4%	0.28	0.23	19.6%
Ammoniacal N (total) as N	mg.L^{-1}	3.03	2.96	2.6%	0.16	0.14	15.4%	0.22	0.18	19.6%
Un-ionised ammonia as nitrogen (NH3 as N)	mg.L^{-1}	3.03	2.96	2.6%	0.16	0.14	15.4%	0.22	0.18	19.6%
Total Organic Carbon (TOC)	mg.L^{-1}	8.38	8.57	2.2%	2.67	2.14	**22.0%**	2.05	2.15	4.8%
Alkalinity as CaCO3	mg.L^{-1}	380.00	390.00	2.6%	250.00	290.00	14.8%	310.00	310.00	0.0%
Dissolved Organic Carbon (DOC)	mg.L^{-1}	8.20	8.15	0.6%	2.36	2.05	14.1%	1.80	1.89	4.9%
Total Suspended Solids	mg.L^{-1}	180.00	120.00	**40.0%**	470.00	140.00	**108.2%**	140.00	19.00	**152.2%**
Hardness - Total	mgCaCO$_3$.L^{-1}	509.00	490.00	3.8%	304.00	305.00	0.3%	382.00	375.00	1.8%
Catechol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Resorcinol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Cresols (Total)	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Total Xylenols & Ethylphenols	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Naphthols	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Isopropylphenol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Trimethylphenol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Phenols (Total)	mg.L^{-1}	<0.0035	<0.0035	0.0%	<0.0035	<0.0035	0.0%	<0.0035	<0.0035	0.0%
Naphthalene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	0.000220	**182.6%**
Acenaphthylene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Acenaphthene	mg.L^{-1}	0.000060	<0.00001	**142.9%**	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Fluorene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Phenanthrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Anthracene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[a]anthracene	mg.L^{-1}	0.000090	<0.00001	**160.0%**	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Chrysene	mg.L^{-1}	0.000090	<0.00001	**160.0%**	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[b]fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[k]fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[a]pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Indeno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Dibenz(a,h)anthracene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[ghi]perylene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	mg.L^{-1}	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00004	<0.00004	0.0%	<0.00004	<0.00004	0.0%	<0.00004	<0.00004	0.0%
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%
PAH 16 Total	mg.L^{-1}	0.00023	<0.00016	**35.9%**	<0.00016	<0.00016	0.0%	<0.00016	0.00022	**31.6%**
Calcium	mg.L^{-1}	160.00	160.00	0.0%	91.00	91.00	0.0%	120.00	120.00	0.0%
Iron	mg.L^{-1}	0.47	0.02	**185.2%**	0.0080	<0.004	**66.7%**	0.0090	0.0040	**76.9%**
Magnesium	mg.L^{-1}									
Arsenic	mg.L^{-1}	0.0041	0.0029	**34.3%**	0.0017	0.0023	**30.0%**	0.0015	0.0011	**30.8%**
Cadmium	mg.L^{-1}	0.000030	<0.00002	**40.0%**	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%
Chromium (VI)	mg.L^{-1}	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Chromium (Total)	mg.L^{-1}	<0.0002	<0.0002	0.0%	<0.0002	<0.0002	0.0%	<0.0002	0.00030	**40.0%**
Copper	mg.L^{-1}	0.0020	0.0012	**50.0%**	0.0012	0.0015	**22.2%**	0.0023	0.0026	12.2%
Lead	mg.L^{-1}	<0.0002	<0.0002	0.0%	<0.0002	<0.0002	0.0%	<0.0002	<0.0002	0.0%
Mercury (inorganic)	mg.L^{-1}	<0.00005	<0.00005	0.0%	<0.00005	<0.00005	0.0%	<0.00005	<0.00005	0.0%
Nickel	mg.L^{-1}	0.0061	0.0052	15.9%	0.0013	0.0014	7.4%	0.0012	0.0013	8.0%
Selenium	mg.L^{-1}	0.00080	0.00070	13.3%	<0.0006	<0.0006	0.0%	<0.0006	<0.0006	0.0%
Zinc	mg.L^{-1}	0.020	0.010	**71.6%**	0.0014	0.0010	**33.3%**	0.0039	0.0294	**153.2%**
Benzene	mg.L^{-1}	<0.001	<0.001	0.0%				<0.001	<0.001	0.0%
Toluene	mg.L^{-1}	<0.001	<0.001	0.0%				<0.001	<0.001	0.0%
Ethylbenzene	mg.L^{-1}	<0.001	<0.001	0.0%				<0.001	<0.001	0.0%
Xylene (p & m-Xylene)	mg.L^{-1}	<0.001	<0.001	0.0%				<0.001	<0.001	0.0%
Xylene (o-Xylene)	mg.L^{-1}	<0.001	<0.001	0.0%				<0.001	<0.001	0.0%
Xylenes (Total of m and p, o-xylenes)	mg.L^{-1}	<0.002	<0.002	0.0%				<0.002	<0.002	0.0%
Methyl tert-butyl ether	mg.L^{-1}									
TPH (C10 - C40)	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0	<0.01	<0.01	0.0%
TPH Total C5 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0	<0.01	<0.01	0.0%
Aliphatic C5 - C6	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C6 - C8	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C8 – C10	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C10 – C12	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C12 – C16	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C16 - C21	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C21 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aliphatic C10 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aliphatic C5 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C5 - C7	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C7 - C8	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C8 – C10	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C10 – C12	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C12 – C16	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C16 – C21	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C21 – C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aromatic C10 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aromatic C5 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%

Sample Location		MW25-03-DUP	MW25-03	RPD	MW25-03-DUP	MW25-03	RPD	MW25-06-DUP	MW25-06	RPD
Monitoring Round No.		1	1		3	3		2	2	
Date Sampled		17/03/2025	17/03/2025	%	28/04/2025	28/04/2025	%	07/04/2025	07/04/2025	%
Analytical Parameter	**Units**									
pH	pH Units	7.30	7.30	0.0%	7.10	7.00	1.4%	7.20	7.30	1.4%
Conductivity	uS.cm^{-1}	1200.00	1200.00	0.0%	1500.00	1500.00	0.0%	1100.00	1100.00	0.0%
Cyanide (Total) (as CN)	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Complexed cyanide	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Easily liberatable cyanide	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Thiocyanate	mg.L^{-1}	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%
Sulphate	mg.L^{-1}	217.00	220.00	1.4%	238.00	238.00	0.0%	220.00	213.00	3.2%
Sulphur (Elemental)	mg.L^{-1}	<0.02	<0.02	0.0%	<0.02	<0.02	0.0%			
Sulphide	mg.L^{-1}	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Chloride	mg.L^{-1}	140.00	140.00	0.0%	200.00	190.00	5.1%	65.00	63.00	3.1%
Ammonium as NH4	mg.L^{-1}	0.21	0.24	13.3%	0.041	0.220	**137.2%**	0.073	0.078	6.6%
Ammoniacal N (total) as N	mg.L^{-1}	0.16	0.19	13.3%	0.032	0.171	**137.2%**	0.057	0.061	6.6%
Un-ionised ammonia as nitrogen (NH3 as N)	mg.L^{-1}	0.16	0.19	13.3%	0.032	0.171	**137.2%**	0.057	0.061	6.6%
Total Organic Carbon (TOC)	mg.L^{-1}	2.42	5.24	**73.6%**	2.11	2.22	5.1%	2.06	2.19	6.1%
Alkalinity as CaCO3	mg.L^{-1}	330.00	340.00	3.0%	350.00	350.00	0.0%	410.00	380.00	7.6%
Dissolved Organic Carbon (DOC)	mg.L^{-1}	2.33	2.71	15.1%	1.87	1.96	4.7%	2.03	1.96	3.5%
Total Suspended Solids	mg.L^{-1}	730.00	220.00	**107.4%**	2500.00	1100.00	**77.8%**	49.00	23.00	**72.2%**
Hardness - Total	mgCaCO$_3$.L^{-1}	569.00	520.00	9.0%	758.00	595.00	**24.1%**	498.00	497.00	0.2%
Catechol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Resorcinol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Cresols (Total)	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Total Xylenols & Ethylphenols	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Naphthols	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Isopropylphenol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Trimethylphenol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Phenols (Total)	mg.L^{-1}	<0.0035	<0.0035	0.0%	<0.0035	<0.0035	0.0%	<0.0035	<0.0035	0.0%
Naphthalene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	0.001900	**197.9%**
Acenaphthylene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Acenaphthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Fluorene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Phenanthrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Anthracene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[a]anthracene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Chrysene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[b]fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[k]fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[a]pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Indeno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Dibenz(a,h)anthracene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[ghi]perylene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	mg.L^{-1}	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00004	<0.00004	0.0%	<0.00004	<0.00004	0.0%	<0.00004	<0.00004	0.0%
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%
PAH 16 Total	mg.L^{-1}	<0.00016	<0.00016	0.0%	<0.00016	<0.00016	0.0%	<0.00016	0.00190	**168.9%**
Calcium	mg.L^{-1}	150.00	140.00	6.9%	230.00	170.00	**30.0%**	150.00	150.00	0.0%
Iron	mg.L^{-1}	0.0090	0.0620	**149.3%**	0.48	<0.004	**196.7%**	0.019	0.017	11.1%
Magnesium	mg.L^{-1}									
Arsenic	mg.L^{-1}	0.0031	0.0032	3.2%	0.0030	0.0025	18.2%	0.0023	0.0025	8.3%
Cadmium	mg.L^{-1}	0.000030	0.000030	0.0%	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%
Chromium (VI)	mg.L^{-1}	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Chromium (Total)	mg.L^{-1}	0.00032	0.00096	**100.0%**	0.00046	<0.0002	**78.8%**	<0.0002	<0.0002	0.0%
Copper	mg.L^{-1}	0.0030	0.0031	3.3%	0.0013	0.0013	0.0%	0.0012	0.0015	**22.2%**
Lead	mg.L^{-1}	<0.0002	0.00030	**40.0%**	<0.0002	<0.0002	0.0%	<0.0002	<0.0002	0.0%
Mercury (inorganic)	mg.L^{-1}	<0.00005	<0.00005	0.0%	<0.00005	<0.00005	0.0%	<0.00005	<0.00005	0.0%
Nickel	mg.L^{-1}	0.0039	0.0041	5.0%	0.0024	0.0027	11.8%	0.0029	0.0028	3.5%
Selenium	mg.L^{-1}	<0.0006	<0.0006	0.0%	<0.0006	<0.0006	0.0%	<0.0006	<0.0006	0.0%
Zinc	mg.L^{-1}	0.0070	0.0064	9.0%	0.0038	0.0020	**62.1%**	0.0015	0.0013	14.3%
Benzene	mg.L^{-1}				<0.001	<0.001	0.0%			
Toluene	mg.L^{-1}				<0.001	<0.001	0.0%			
Ethylbenzene	mg.L^{-1}				<0.001	<0.001	0.0%			
Xylene (p & m-Xylene)	mg.L^{-1}				<0.001	<0.001	0.0%			
Xylene (o-Xylene)	mg.L^{-1}				<0.001	<0.001	0.0%			
Xylenes (Total of m and p, o-xylenes)	mg.L^{-1}				<0.002	<0.002	0.0%			
Methyl tert-butyl ether	mg.L^{-1}	<0.003	<0.003	0.0%						
TPH (C10 - C40)	mg.L^{-1}	<0.01	<0.01	0	<0.01	<0.01	0.0%	<0.01	<0.01	0
TPH Total C5 - C35	mg.L^{-1}	<0.01	<0.01	0	<0.01	<0.01	0.0%	<0.01	0.05	1.333333333
Aliphatic C5 - C6	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C6 - C8	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C8 – C10	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C10 – C12	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C12 – C16	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C16 - C21	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C21 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aliphatic C10 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aliphatic C5 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C5 - C7	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C7 - C8	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C8 – C10	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C10 – C12	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	0.030	**100.0%**
Aromatic C12 – C16	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	0.020	**66.7%**
Aromatic C16 – C21	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C21 – C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aromatic C10 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	0.050	**133.3%**
Total Aromatic C5 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	0.050	**133.3%**

Sample Location		MW25-06-DUP	MW25-06	RPD	MW25-28A-DUP	MW25-28A	RPD	MW25-36-DUP	MW25-36	RPD
Monitoring Round No.		3	3		1	1		2	2	
Date Sampled		28/04/2025	28/04/2025	%	17/03/2025	17/03/2025	%	17/03/2025	07/04/2025	%
Analytical Parameter	**Units**									
pH	pH Units	7.20	7.00	2.8%	7.40	7.50	1.3%	7.10	7.20	1.4%
Conductivity	uS.cm^{-1}	1200.00	1200.00	0.0%	950.00	960.00	1.0%	1700.00	1700.00	0.0%
Cyanide (Total) (as CN)	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	0.41	0.29	**34.3%**
Complexed cyanide	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	0.41	0.29	**34.3%**
Easily liberatable cyanide	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Thiocyanate	mg.L^{-1}	<0.2	<0.2	0.0%	<0.2	<0.2	0.0%	0.20	<0.2	0.0%
Sulphate	mg.L^{-1}	225.00	228.00	1.3%	118.00	124.00	5.0%	282.00	343.00	19.5%
Sulphur (Elemental)	mg.L^{-1}	<0.02	<0.02	0.0%	<0.02	<0.02	0.0%	<0.02		
Sulphide	mg.L^{-1}	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Chloride	mg.L^{-1}	63.00	66.00	4.7%	88.00	88.00	0.0%	240.00	240.00	0.0%
Ammonium as NH4	mg.L^{-1}	0.10	0.12	18.2%	<0.015	<0.015	0.0%	3.40	3.40	0.0%
Ammoniacal N (total) as N	mg.L^{-1}	0.078	0.093	18.2%	<0.011667	<0.011667	0.0%	2.64	2.64	0.0%
Un-ionised ammonia as nitrogen (NH3 as N)	mg.L^{-1}	0.078	0.093	18.2%	<0.011667	<0.011667	0.0%	2.64	2.64	0.0%
Total Organic Carbon (TOC)	mg.L^{-1}	1.80	1.85	2.7%	1.92	1.78	7.6%	3.45	2.83	19.7%
Alkalinity as CaCO3	mg.L^{-1}	420.00	420.00	0.0%	290.00	300.00	3.4%	400.00	360.00	10.5%
Dissolved Organic Carbon (DOC)	mg.L^{-1}	1.70	1.70	0.0%	1.88	1.71	9.5%	3.35	2.74	**20.0%**
Total Suspended Solids	mg.L^{-1}	39.00	55.00	**34.0%**	750.00	270.00	**94.1%**	71.00	38.00	**60.6%**
Hardness - Total	mgCaCO$_3$.L^{-1}	488.00	597.00	**20.1%**	414.00	434.00	4.7%	486.00	603.00	**21.5%**
Catechol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Resorcinol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Cresols (Total)	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Total Xylenols & Ethylphenols	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Naphthols	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Isopropylphenol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Trimethylphenol	mg.L^{-1}	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%	<0.0005	<0.0005	0.0%
Phenols (Total)	mg.L^{-1}	<0.0035	<0.0035	0.0%	<0.0035	<0.0035	0.0%	<0.0035	<0.0035	0.0%
Naphthalene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Acenaphthylene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Acenaphthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Fluorene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Phenanthrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Anthracene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[a]anthracene	mg.L^{-1}	0.00010	<0.00001	**163.6%**	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Chrysene	mg.L^{-1}	0.00011	<0.00001	**166.7%**	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[b]fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[k]fluoranthene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[a]pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Indeno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Dibenz(a,h)anthracene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Benzo[ghi]perylene	mg.L^{-1}	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%	<0.00001	<0.00001	0.0%
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	mg.L^{-1}	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00004	<0.00004	0.0%	<0.00004	<0.00004	0.0%	<0.00004	<0.00004	0.0%
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	mg.L^{-1}	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%	<0.00002	<0.00002	0.0%
PAH 16 Total	mg.L^{-1}	0.00020	<0.00016	**22.2%**	<0.00016	<0.00016	0.0%	<0.00016	<0.00016	0.0%
Calcium	mg.L^{-1}	150.00	190.00	**23.5%**	130.00	140.00	7.4%	150.00	180.00	18.2%
Iron	mg.L^{-1}	0.0050	0.0400	**155.6%**	0.0080	0.0160	**66.7%**	0.19	0.14	**30.3%**
Magnesium	mg.L^{-1}									
Arsenic	mg.L^{-1}	0.0014	0.0021	**40.0%**	0.0011	0.0012	8.7%	0.00059	0.00100	**51.6%**
Cadmium	mg.L^{-1}	<0.00002	<0.00002	0.0%	0.000040	0.000060	**40.0%**	0.000020	0.000020	0.0%
Chromium (VI)	mg.L^{-1}	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%	<0.005	<0.005	0.0%
Chromium (Total)	mg.L^{-1}	0.00055	<0.0002	**93.3%**	0.00036	0.00034	5.7%	<0.0002	<0.0002	0.0%
Copper	mg.L^{-1}	0.0020	0.0019	5.1%	0.0021	0.0022	4.7%	0.0028	0.0029	3.5%
Lead	mg.L^{-1}	<0.0002	<0.0002	0.0%	<0.0002	<0.0002	0.0%	<0.0002	<0.0002	0.0%
Mercury (inorganic)	mg.L^{-1}	<0.00005	<0.00005	0.0%	<0.00005	<0.00005	0.0%	<0.00005	<0.00005	0.0%
Nickel	mg.L^{-1}	0.0031	0.0029	6.7%	0.0036	0.0040	10.5%	0.0055	0.0051	7.5%
Selenium	mg.L^{-1}	<0.0006	<0.0006	0.0%	0.00060	0.00090	**40.0%**	0.00080	<0.0006	**28.6%**
Zinc	mg.L^{-1}	0.0046	0.0035	**27.2%**	0.0026	0.0022	16.7%	0.0031	0.0038	**20.3%**
Benzene	mg.L^{-1}	<0.001	<0.001	0.0%						
Toluene	mg.L^{-1}	<0.001	<0.001	0.0%						
Ethylbenzene	mg.L^{-1}	<0.001	<0.001	0.0%						
Xylene (p & m-Xylene)	mg.L^{-1}	<0.001	<0.001	0.0%						
Xylene (o-Xylene)	mg.L^{-1}	<0.001	<0.001	0.0%						
Xylenes (Total of m and p, o-xylenes)	mg.L^{-1}	<0.002	<0.002	0.0%						
Methyl tert-butyl ether	mg.L^{-1}				<0.003	<0.003	0.0%	<0.003		
TPH (C10 - C40)	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0	<0.01	<0.01	0
TPH Total C5 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0	<0.01	<0.01	0
Aliphatic C5 - C6	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C6 - C8	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C8 – C10	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aliphatic C10 – C12	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C12 – C16	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C16 - C21	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aliphatic C21 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aliphatic C10 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aliphatic C5 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C5 - C7	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C7 - C8	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C8 – C10	mg.L^{-1}	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%	<0.001	<0.001	0.0%
Aromatic C10 – C12	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C12 – C16	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C16 – C21	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Aromatic C21 – C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aromatic C10 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%
Total Aromatic C5 - C35	mg.L^{-1}	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%	<0.01	<0.01	0.0%

BLACK BOLD TEXT ON WHITE BACKGROUND - RPD > 20%
WHITE BOLD TEXT ON GREY BACKGROUND - RPD > 30%

Table G: Surface Water Analytical Data

NUMBER OF SAMPLES: 6												Sample Location	SW25-01	SW25-01	SW25-01	SW25-02	SW25-02	SW25-02
												Monitoring Round No.	1	2	3	1	2	3
												Date Sampled	20/03/2025	07/04/2025	28/04/2025	20/03/2025	07/04/2025	28/04/2025
			CRITERIA 1	CRITERIA 2		CRITERIA 1	CRITERIA 2											
Analytical Parameter	**Units**	**Limit of detection**	**0**	**0**	**No. Analyses**	**Exceedances**	**Exceedances**	**Min**	**Mean**	**Max**	**Max ID**							
pH	pH Units	N/A			6			7.3	7.7	8.000	SW25-02	7.30	7.60	7.50	7.90	8.00	8.00
Conductivity	$\mu S.cm^{-1}$	10			6			820	883.3	950	SW25-01	950.00	890.00	920.00	850.00	820.00	870.00
Cyanide (Total) (as CN)	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Complexed cyanide	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Easily liberatable cyanide	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thiocyanate	$mg.L^{-1}$	0.2			6			<0.2	<0.2	0.2	SW25-01	<0.2	<0.2	0.20	<0.2	<0.2	0.20
Sulphate	$mg.L^{-1}$	0.045			6			129	146.333	159	SW25-01	157.00	145.00	159.00	140.00	129.00	148.00
Sulphur (Elemental)	$mg.L^{-1}$	0.02			4			<0.02	<0.02	<0.02	n/a	<0.02		<0.02	<0.02		<0.02
Sulphide	$mg.L^{-1}$	0.005			6			<0.005	<0.005	<0.005	n/a	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	$mg.L^{-1}$	0.15			6			43	45.33	48	SW25-01	47.00	47.00	48.00	43.00	43.00	44.00
Ammonium as NH4	$mg.L^{-1}$	0.015			6			0.2	0.497	1.1	SW25-02	0.80	0.26	0.23	1.10	0.39	0.20
Ammoniacal N (total) as N	$mg.L^{-1}$	0.011667			6			0.15556	0.386307	0.85558	SW25-02	0.62	0.20	0.18	0.86	0.30	0.16
Un-ionised ammonia as nitrogen (NH3 as N)	$mg.L^{-1}$	0.011667			6			0.15556	0.386307	0.85558	SW25-02	0.62	0.20	0.18	0.86	0.30	0.16
Dissolved Organic Carbon (DOC)	$mg.L^{-1}$	0.1			6			2.53	3	3.5	SW25-01	3.50	2.55	2.53	3.48	3.14	2.92
Total Organic Carbon (TOC)	$mg.L^{-1}$	0.1			6			2.8	3.8	5.91	SW25-01	5.91	2.80	2.89	4.60	3.15	3.20
Alkalinity as CaCO3	$mgCaCO.L^{-1}$	3			6			300	320	370	SW25-01	320.00	320.00	370.00	300.00	300.00	310.00
Hardness - Total	$mgCaCO.L^{-1}$	1			6			391	463.2	522	SW25-01	522.00	432.00	499.00	462.00	391.00	473.00
Total Suspended Solids	$mg.L^{-1}$	2			6			14	827.3	3300	SW25-01	3300.00	100.00	14.00	1500.00	31.00	19.00
Catechol	$mg.L^{-1}$	0.0005			6			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Resorcinol	$mg.L^{-1}$	0.0005			6			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cresols (Total)	$mg.L^{-1}$	0.0005			6			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Isopropylphenol	$mg.L^{-1}$	0.0005			6			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Xylenols & Ethylphenols	$mg.L^{-1}$	0.0005			6			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthols	$mg.L^{-1}$	0.0005			6			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenol	$mg.L^{-1}$	0.0005			6			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trimethylphenol	$mg.L^{-1}$	0.0005			6			<0.0005	<0.0005	<0.0005	n/a	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenols (Total)	$mg.L^{-1}$	0.0035			6			<0.0035	<0.0035	<0.0035	n/a	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
Naphthalene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthylene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Anthracene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Pyrene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]anthracene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00003	0.00008	SW25-01	<0.00001	<0.00001	0.000080	<0.00001	<0.00001	0.000060
Chrysene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00003	0.00009	SW25-01	<0.00001	<0.00001	0.000090	<0.00001	<0.00001	0.000060
Benzo[b]fluoranthene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00002	0.00006	SW25-01	<0.00001	<0.00001	0.000060	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00002	0.00007	SW25-01	<0.00001	<0.00001	0.000070	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno[1,2,3-cd]pyrene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz(a,h)anthracene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[ghi]perylene	$mg.L^{-1}$	0.00001			6			<0.00001	<0.00001	<0.00001	n/a	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sum of benzo[b]fluoranthene & benzo[k]fluoranthene	$mg.L^{-1}$	0.00002			6			<0.00002	<0.00004	0.00013	n/a	<0.00002	<0.00002	0.00013	<0.00002	<0.00002	<0.00002
Sum of benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene and ideno[1,2,3-cd]pyrene	$mg.L^{-1}$	0.00004			6			<0.00004	<0.00005	<0.0001	SW25-01	<0.00004	<0.00004	<0.0001	<0.00004	<0.00004	<0.00004
Sum of benzo[ghi]perylene and indeno[1,2,3-cd]pyrene	$mg.L^{-1}$	0.00002			6			<0.00002	<0.00002	<0.00002	n/a	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PAH 16 Total	$mg.L^{-1}$	0.00016			6			<0.00016	<0.00018	0.0003	SW25-01	<0.00016	<0.00016	0.00030	<0.00016	<0.00016	<0.00016
Arsenic	$mg.L^{-1}$	0.00015			6			0.00075	0.00099	0.0013	SW25-01	0.0012	0.00085	0.0013	0.00075	0.00089	0.00092
Cadmium	$mg.L^{-1}$	0.00002			6			<0.00002	<0.00002	<0.00002	n/a	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Calcium	$mg.L^{-1}$	0.012			6			120	148.333	170	SW25-01	170.00	130.00	160.00	150.00	120.00	160.00
Chromium (VI)	$mg.L^{-1}$	0.005			6			<0.005	<0.005	<0.005	n/a	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Iron	$mg.L^{-1}$	0.004			6			0.004	0.35	1.7	SW25-01	1.70	0.33	0.0040	0.013	0.042	0.012
Chromium (Total)	$mg.L^{-1}$	0.0002			6			<0.0002	<0.0002	0.00036	SW25-02	<0.0002	<0.0002	<0.0002	<0.0002	0.00036	<0.0002
Copper	$mg.L^{-1}$	0.0005			6			<0.0005	<0.0021	0.0033	SW25-02	<0.0005	0.0018	0.0026	0.0014	0.0031	0.0033
Lead	$mg.L^{-1}$	0.0002			6			<0.0002	<0.0002	<0.0002	n/a	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury (inorganic)	$mg.L^{-1}$	0.00005			6			<0.00005	<0.00005	<0.00005	n/a	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel	$mg.L^{-1}$	0.0005			6			0.0012	0.0013	0.0017	SW25-01	0.0017	0.0013	0.0012	0.0014	0.0012	0.0012
Selenium	$mg.L^{-1}$	0.0006			6			<0.0006	<0.0006	<0.0006	n/a	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Zinc	$mg.L^{-1}$	0.0005			6			0.0012	0.0022	0.0044	SW25-02	0.0012	0.0013	0.0027	0.0019	0.0017	0.0044
Benzene	$mg.L^{-1}$	0.001			2			<0.001	<0.001	<0.001	n/a	<0.001			<0.001		
Toluene	$mg.L^{-1}$	0.001			2			<0.001	<0.001	<0.001	n/a	<0.001			<0.001		
Ethylbenzene	$mg.L^{-1}$	0.001			2			<0.001	<0.001	<0.001	n/a	<0.001			<0.001		
Xylene (p & m-Xylene)	$mg.L^{-1}$	0.001			2			<0.001	<0.001	<0.001	n/a	<0.001			<0.001		
Xylene (o-Xylene)	$mg.L^{-1}$	0.001			2			<0.001	<0.001	<0.001	n/a	<0.001			<0.001		
Xylenes (Total of m and p, o-xylenes)	$mg.L^{-1}$	0.002			6			<0.002	<0.001	<0.002	n/a	<0.002			<0.002		
Methyl tert-butyl ether	$mg.L^{-1}$	0.003			2			<0.003	<0.003	<0.003	n/a	<0.003			<0.003		
TPH (C10 - C40)	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C5 - C6	$mg.L^{-1}$	0.001			6			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C6 - C8	$mg.L^{-1}$	0.001			6			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C8 – C10	$mg.L^{-1}$	0.001			6			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C10 – C12	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C12 – C16	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C16 - C21	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C21 - C35	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aliphatic C5 - C35	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C5 - C7	$mg.L^{-1}$	0.001			6			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C7 - C8	$mg.L^{-1}$	0.001			6			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C8 – C10	$mg.L^{-1}$	0.001			6			<0.001	<0.001	<0.001	n/a	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aromatic C10 – C12	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C12 – C16	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C16 – C21	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C21 – C35	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Aromatic C5 - C35	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH Total C5 - C35	$mg.L^{-1}$	0.01			6			<0.01	<0.01	<0.01	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

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Table H: Vapour Analytical Data

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Analytical Parameter	Units	Limit of detection	No. Analysed	Min	Mean	Max
1,1,1-Trichloroethane	ug/m³	2.80	18	>2.8	>10.4	>22.4
1,1,2,2-Tetrachloroethane	ug/m³	3.50	18	>3.5	>13	>28
1,1,2-Trichloroethane	ug/m³	2.80	18	>2.8	>10.4	>22.4
1,1-Dichloroethane	ug/m³	2.00	18	>2	>7.4	>16
1,1-Dichloroethene	ug/m³	2.10	18	>2.1	>9.5	>16.8
1,2,4-Trichlorobenzene	ug/m³	3.30	18	>3.3	>14.1	>30.4
1,2,4-Trimethylbenzene	ug/m³	2.50	18	>2.5	>15.3	44.0
1,2-Dibromoethane	ug/m³	3.90	18	>3.9	>14.5	>31.2
1,2-Dichlorobenzene	ug/m³	3.10	18	>3.1	>11.5	>24.8
1,2-Dichloroethane	ug/m³	2.00	18	>2	>7.4	>16
1,2-Dichloropropane	ug/m³	2.40	18	>2.4	>8.9	>19.2
1,3,5-Butadiene	ug/m³	1.10	18	>1.1	>4.1	>8.8
1,3-Dichlorobenzene	ug/m³	3.10	18	>3.1	>11.5	>24.8
1,3-Dichlorobutane	ug/m³	3.10	18	>3.1	>11.5	>24.8
1,4-Dioxane	ug/m³	1.80	18	>1.8	>10	32.0
1,4-Ethyltoluene	ug/m³	2.50	18	>2.5	>11.4	23.0
Acetone	ug/m³	9.70	18	>9.7	>129.7	150.0
Benzene	ug/m³	2.60	18	>2.6	>12.4	27.0
Bromodichloromethane	ug/m³	3.40	18	>3.4	>14.4	>34.0
Benzyl chloride	ug/m³	2.60	18	>2.6	>14.1	>27.2
Benzene	ug/m³	1.70	18	>1.7	>8.9	17.0
Bromomethane	ug/m³	2.00	18	>2	>7.4	>16
Cis- 1,2-dichloroethene	ug/m³	2.00	18	>2	>7.4	>16
Cis- 1,3-dichloropropene	ug/m³	2.30	18	>2.3	>8.6	>18.4
Chlorobenzene	ug/m³	2.30	18	>2.3	>8.6	>18.4
Carbon tetrachloride	ug/m³	3.20	18	>3.2	>11.9	>25.6
Carbon disulphide	ug/m³	9.50	18	>9.5	>478.5	1500.0
Chloroform	ug/m³	2.50	18	>2.5	>9.3	>20.0
Chloroprpl alcohol	ug/m³	2.50	18	>2.5	>9.3	43.0
Chloromethane	ug/m³	10.40	18	>10.4	>38.7	>83.2
Cyclohexane	ug/m³	3.40	18	>3.4	>254.4	2000
Dibromochloromethane	ug/m³	4.30	18	>4.3	>16	>34.4
Dichlorodifluoromethane	ug/m³	2.50	18	>2.5	>107.7	>20
Du Monethane	ug/m³	24.60	18	>24.6	>99.6	>196.4
Dichloromethane	ug/m³	3.50	18	>3.5	>13.4	>28.0
Ethyl acetate	ug/m³	1.80	18	>1.8	>7.2	>14.4
Ethylbenzene	ug/m³	2.10	18	>2.1	>23.1	61.0
Ethanol	ug/m³	20.00	18	>20	>1522.6	13000.0
Hexachlorobutadiene	ug/m³	5.40	18	>5.4	>20.1	>43.2
Heptane	ug/m³	2.10	18	>2.1	>10.2	23.0
Hexane	ug/m³	10.60	18	>10.6	>58.8	83.0
Isopropyl alcohol	ug/m³	5.00	18	>5	>36.5	83.0
2-Hexanone (MBK)	ug/m³	2.10	18	>2.1	>8.1	>16.8
MIBK	ug/m³	2.10	18	>2.1	>8.1	>16.8
Methyl methacrylate	ug/m³	2.10	18	>2.1	>7.8	>16.8
MTBE	ug/m³	1.80	18	>1.8	>7.9	>16.8
Mek	ug/m³	1.80	18	>1.8	>6.7	>14.4
Cis-xylene	ug/m³	1.30	18	>1.3	>6.5	12.0
M/p-xylene	ug/m³	1.30	18	>1.3	>17.9	33.0
Propane	ug/m³	0.90	18	>0.9	>162.2	10000
Styrene	ug/m³	2.20	18	>2.2	>93	1400
Trans- 1,2-dichloroethene	ug/m³	2.00	18	>2	>7.4	>16
trans- 1,3-dichloropropene	ug/m³	2.30	18	>2.3	>8.6	>18.4
Tetrachloroethene	ug/m³	3.40	18	>3.4	>19.7	>42.4
Tetrahydrofuran	ug/m³	2.70	18	>2.7	>10.4	>21.6
Trichlorofluoromethane	ug/m³	2.80	18	>2.8	>15.8	>33.6
Trichloroethylene	ug/m³	2.70	18	>2.7	>14.1	>27.2
Tetrachlorotoluene	ug/m³	3.50	18	>3.5	>15	>28
Toluene	ug/m³	2.10	18	>2.1	>12.1	>27.0
1,3,5-Trimethylbenzene	ug/m³	2.50	18	>2.5	>9.7	>20
Styrene	ug/m³	2.10	18	>2.1	>10.5	42.0
Vinyl acetate	ug/m³	1.80	18	>1.8	>6.7	>14.4
Vinyl chloride	ug/m³	1.30	18	>1.3	>4.8	>10.4
Naphthalene	ug/m³	2.70	18	>2.7	>10.1	>21.6
TPH Aliphatic C5-C6	ug/m³	30.00	18	>30	>1844	5200
TPH Aliphatic C6-C8	ug/m³	30.00	18	>30	>671.9	2700.0
TPH Aliphatic C8-C10	ug/m³	30.00	18	>30	>1373	18000.0
TPH Aromatic C6-C7	ug/m³	30.00	18	>30	>953	>30
TPH Aromatic C7-C8	ug/m³	30.00	18	>30	>1184.4	3200.0
TPH Aromatic C8-C10	ug/m³	30.00	18	>30	>1193.9	3500.0
TPH >C10-C12	ug/m³	30.00	18	>30	>1513.9	10000.0
PRO C5-C12	ug/m³	30.00	18	>30	>3572.2	24000.0
TPH >C5-C6	ug/m³	30.00	18	>30	>1844.4	5200.0
TPH >C6-C8	ug/m³	30.00	18	>30	>693.3	2700.0
TPH >C8-C10	ug/m³	30.00	18	>30	>1498.4	20000.0

Sample Location	VW25-02	VW25-02	VW25-03	VW25-04	VW25-04	VW25-04	VW25-23	VW25-23	VW25-23	VW25-23 - Parent	VW25-23 - Parent	VW25-20A	VW25-20A	VW25-20A	VW25-22	VW25-22	VW25-09	VW25-09	VW25-09	VW25-11A	VW25-11A	VW25-11A	VW25-08	VW25-08	VW25-08	VW25-18	VW25-18	VW25-18	VW25-01	VW25-01	VW25-01	VW25-25	VW25-25	VW25-25	VW25-19A	VW25-19A	VW25-19A	VW25-17	VW25-17	VW25-17	VW25-17 - Parent	VW25-14	VW25-14	VW25-14	VW25-15	VW25-15	VW25-15	VW25-16A	VW25-16A	VW25-16A	VW25-13	VW25-13	VW25-13	VW25-12	VW25-12	VW25-12	VW25-07	VW25-07	VW25-03	Trip Blank	Trip Blank
Monitoring Round No.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Date Sampled	17/05/2025	07/06/2025	28/04/2025	17/05/2025	07/06/2025	28/04/2025	17/05/2025	07/06/2025	28/04/2025	17/05/2025	07/06/2025	17/05/2025	07/06/2025	28/04/2025	07/06/2025	28/04/2025	17/05/2025	07/06/2025	28/04/2025	17/05/2025	07/06/2025	28/04/2025	29/04/2025	29/04/2025	18/03/2025	28/04/2025	29/04/2025	18/03/2025	28/04/2025	29/04/2025	18/03/2025	28/04/2025	29/04/2025	18/03/2025	28/04/2025	29/04/2025	19/03/2025	28/04/2025	29/04/2025	19/03/2025	28/04/2025	29/04/2025	19/03/2025	28/04/2025	07/05/2025	19/03/2025	28/04/2025	07/05/2025	19/03/2025	28/04/2025	07/05/2025	19/03/2025	28/04/2025	07/05/2025	19/03/2025	28/04/2025	07/05/2025	18/03/2025	28/04/2025	29/04/2025	28/04/2025	29/04/2025
Man ID	VW25-18	VW25-02	VW25-03	VW25-04	VW25-04	VW25-04	VW25-23	VW25-23	VW25-23	VW25-23	VW25-23	VW25-20A	VW25-20A	VW25-20A	VW25-22	VW25-22	VW25-09	VW25-09	VW25-09	VW25-11A	VW25-11A	VW25-11A	VW25-08	VW25-08	VW25-08	VW25-18	VW25-18	VW25-18	VW25-01	VW25-01	VW25-01	VW25-25	VW25-25	VW25-25	VW25-19A	VW25-19A	VW25-19A	VW25-17	VW25-17	VW25-17	VW25-17	VW25-14	VW25-14	VW25-14	VW25-15	VW25-15	VW25-15	VW25-16A	VW25-16A	VW25-16A	VW25-13	VW25-13	VW25-13	VW25-12	VW25-12	VW25-12	VW25-07	VW25-07	VW25-03	Trip Blank	Trip Blank

CREATE TABLE

Sample Location	VW25-02			VW25-04			VW25-23			VW25-23-DUP			VW25-20A			VW25-22			VW25-09		
Monitoring round 1	17/03/2025			17/03/2025			17/03/2025			17/03/2025			17/03/2025						17/03/2025		
Compound Name	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)				Compound Name	% Match	Amount (ppbv)
VOC TIC Match 1	0	0	< 10	**o Formic acid, ethenyl ester	84	1100	2,2,4,6,6-pentamethyl-Heptane	94	54	2,2,4,6,6-pentamethyl-Heptane,	92	42	0	0	< 10				0	0	< 10
VOC TIC Match 2	0	0	< 10	**, **2-methyl-1-Propene,	94	230	2-methyl-1-Propene,	91	47	2-methyl- 1-Propene,	89	39	0	0	< 10				0	0	< 10
VOC TIC Match 3	0	0	< 10	Octane	96	45	** methyl-Cyclopentane,	83	11	Borane carbonyl	81	13	0	0	< 10				0	0	< 10
VOC TIC Match 4	0	0	< 10	Pentane	85	65	0	0	< 10	0	0	< 10	0	0	< 10				0	0	< 10
VOC TIC Match 5	0	0	< 10	2-methyl-Butane,	87	48	0	0	< 10	0	0	< 10	0	0	< 10				0	0	< 10
VOC TIC Match 6	0	0	< 10	Isobutane	83	27	0	0	< 10	0	0	< 10	0	0	< 10	N/A			0	0	< 10
VOC TIC Match 7	0	0	< 10	1,1-dimethyl-Cyclopropane,	85	30	0	0	< 10	0	0	< 10	0	0	< 10				0	0	< 10
VOC TIC Match 8	0	0	< 10	*, ** cis-,1,2-dimethyl-cyclopropane	96	11	0	0	< 10	0	0	< 10	0	0	< 10				0	0	< 10
VOC TIC Match 9	0	0	< 10	** 1-Hexene	92	18	0	0	< 10	0	0	< 10	0	0	< 10				0	0	< 10
VOC TIC Match 10	0	0	< 10	methyl-Cyclopentane,	89	17	0	0	< 10	0	0	< 10	0	0	< 10				0	0	< 10
Monitoring round 2	07/04/2025			07/04/2025			07/04/2025			07/04/2025			07/04/2025			07/04/2025			07/04/2025		
Compound Name	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)
VOC TIC Match 1	0	0	< 10	Octane	98	170	Heptane, 2,2,4,6,6-pentamethyl-	96	24	Heptane, 2,2,4,6,6-pentamethyl-	96	19	Dimethylamine	87	31	Dimethyl ether	91	74	Heptane, 2,2,4,6,6-pentamethyl-	96	120
VOC TIC Match 2	0	0	< 10	**, **o 2-Butene, (Z)-	98	270	** 1-Propene, 2-methyl-	87	35	Oxalic acid	82	27	Decane	97	10	Methylal	84	17	Cyclopentanone	94	14
VOC TIC Match 3	0	0	< 10	Decane	98	110	Dimethylamine	84	17	1-Propene, 2-methyl-	84	23	Butane	96	14	0	0	< 10	2,2,4,4-Tetramethyloctane	95	12
VOC TIC Match 4	0	0	< 10	Alanine	81	130	0	0	< 10	0	0	< 10	** Propane, 2-nitro-	82	11	0	0	< 10	Dimethylamine	89	12
VOC TIC Match 5	0	0	< 10	Dimethylamine	89	43	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 6	0	0	< 10	** Oxetane, 2,3,4-trimethyl-,	87	25	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 7	0	0	< 10	Pentane	91	61	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 8	0	0	< 10	Butane, 2-methyl-	98	38	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 9	0	0	< 10	**o Heptane, 3-methyl-	98	19	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 10	0	0	< 10	Dodecane	97	13	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
Monitoring round 3	28/04/2025			28/04/2025			28/04/2025						28/04/2025			28/04/2025			28/04/2025		
Compound Name	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)
VOC TIC Match 1	(2) UNIDENTIFIED COMPOUND (no library match)	0	400	Octane	98	180	(2) UNIDENTIFIED COMPOUND (no library match)	0	380				Decane	97	18	UNIDENTIFIED COMPOUND (no library match)	0	64	Decane	96	12
VOC TIC Match 2	Cyclotetrasiloxane, octamethyl-	94	25	** 2-Butene, (Z)-	98	260	Isobutane	84	27				Cyclotrisiloxane, hexamethyl-	92	12	Cyclotrisiloxane, hexamethyl-	92	11	ND	0	< 10
VOC TIC Match 3	Cyclotrisiloxane, hexamethyl-	93	18	Decane	96	58	ND	0	< 10				ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 4	Decane	97	23	**m Heptane, 3-methyl-	98	62	ND	0	< 10				ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 5	ND	0	< 10	Cyclotetrasiloxane, octamethyl-	95	31	ND	0	< 10	N/A			ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 6	ND	0	< 10	Cyclotrisiloxane, hexamethyl-	93	31	ND	0	< 10				ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 7	ND	0	< 10	* 1-Butanol	97	24	ND	0	< 10				ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 8	ND	0	< 10	Cyclopentane, methyl-	96	60	ND	0	< 10				ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 9	ND	0	< 10	** Decane, 2,4-dimethyl-	95	13	ND	0	< 10				ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 10	ND	0	< 10	**, **m Heptane, 2,4-dimethyl-	96	11	ND	0	< 10				ND	0	< 10	ND	0	< 10	ND	0	< 10

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Table H: Vapour Analytical Data - VOC TICS

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Sample Location	VW25-11A			VW25-08			VW25-18			VW25-01			VW25-25			VW25-19A			VW25-17			VW25-17-DUP		
Monitoring round 1	17/03/2025			17/03/2025			18/03/2025			18/03/2025						18/03/2025			19/03/2025					
Compound Name	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)			
VOC TIC Match 1	**o Heptane, 2,2,4,6,6-pentamethyl-	88	21	Cyclotrisiloxane, hexamethyl-	92	15	* Decane, 4-methyl-	95	56	ND	0	< 10				ND	0	< 10	** 2-Butene, (Z)-	99	13			
VOC TIC Match 2	Cyclotrisiloxane, hexamethyl-	93	16	**, **o 1-Propene, 2-methyl-	81	17	**, **o Benzene, 1-ethyl-3-methyl-	85	58	ND	0	< 10				ND	0	< 10	0	0	< 10			
VOC TIC Match 3	** 1-Propene, 2-methyl-	98	11	0	0	< 10	**o Heptane, 3-ethyl-2-methyl-	88	66	ND	0	< 10				ND	0	< 10	0	0	< 10			
VOC TIC Match 4	0	0	< 10	0	0	< 10	**, **o Indan, 1-methyl-	86	83	ND	0	< 10				ND	0	< 10	0	0	< 10			
VOC TIC Match 5	0	0	< 10	0	0	< 10	*, **o Cyclohexane, (1-methylpropyl)-	87	66	ND	0	< 10	N/A			ND	0	< 10	0	0	< 10	N/A		
VOC TIC Match 6	0	0	< 10	0	0	< 10	Carveol	80	52	ND	0	< 10				ND	0	< 10	0	0	< 10			
VOC TIC Match 7	0	0	< 10	0	0	< 10	**, **o cis-p-mentha-1(7),8-dien-2-ol	85	58	ND	0	< 10				ND	0	< 10	0	0	< 10			
VOC TIC Match 8	0	0	< 10	0	0	< 10	** Oxirane, tetradecyl-	86	30	ND	0	< 10				ND	0	< 10	0	0	< 10			
VOC TIC Match 9	0	0	< 10	0	0	< 10	*, **o Benzene, 1-methyl-4-propyl-	93	49	ND	0	< 10				ND	0	< 10	0	0	< 10			
VOC TIC Match 10	0	0	< 10	0	0	< 10	*, **, **o Nonane, 2,5-dimethyl-	85	42	ND	0	< 10				ND	0	< 10	0	0	< 10			
Monitoring round 2	08/04/2025			08/04/2025			08/04/2025			09/04/2025			08/04/2025			09/04/2025			08/04/2025					
Compound Name	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)			
VOC TIC Match 1	Oxalic acid	81	23	Oxalic acid	81	34	**o Heptane, 3-ethyl-2-methyl-	93	230	Alanine	80	270	Heptane, 2,2,4,6,6-pentamethyl-	95	130	Oxalic acid	93	23	Decane	98	29			
VOC TIC Match 2	0	0	< 10	0	0	< 10	Cyclohexane, methyl-	97	200	Oxalic acid	81	22	Oxalic acid	90	88	Decane	97	10	Oxalic acid	74	23			
VOC TIC Match 3	0	0	< 10	0	0	< 10	**o Cyclohexane, 1,1,3-trimethyl-	95	96	0	0	< 10	Octane	97	18	0	0	< 10	1-Propene, 2-methyl-	99	18			
VOC TIC Match 4	0	0	< 10	0	0	< 10	**o Decane	92	110	0	0	< 10	2,2,4,4-Tetramethyloctane	95	13	0	0	< 10	0	0	< 10			
VOC TIC Match 5	0	0	< 10	0	0	< 10	** Benzene, 1-ethyl-2-methyl-	85	92	0	0	< 10	Cyclopentanone	94	11	0	0	< 10	0	0	< 10			
VOC TIC Match 6	0	0	< 10	0	0	< 10	Cyclopentane, methyl-	94	160	0	0	< 10	Methylal	82	17	0	0	< 10	0	0	< 10	N/A		
VOC TIC Match 7	0	0	< 10	0	0	< 10	**o 4-Isopropenylcyclohexanon	86	93	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10			
VOC TIC Match 8	0	0	< 10	0	0	< 10	Oxalic acid	93	94	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10			
VOC TIC Match 9	0	0	< 10	0	0	< 10	**o Cyclohexane, (1-methylpropyl)-	88	100	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10			
VOC TIC Match 10	0	0	< 10	0	0	< 10	Benzene, 1,2,3-trimethyl-	71	120	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10			
Monitoring round 3	29/04/2025						29/04/2025			28/04/2025			29/05/25			28/04/2025			07/05/25			07/05/2025		
Compound Name	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)	Compound Name	% Match	Amount (ppbv)
VOC TIC Match 1	(2) UNIDENTIFIED COMPOUND (no library match)	0	310	(2), ** 2-Butene, (Z)-	98	570	(2) UNIDENTIFIED COMPOUND (no library match)	0	380	Cyclotetrasiloxane, octamethyl-	95	23	UNIDENTIFIED COMPOUND (no library match) (2)	0	480	Cyclotrisiloxane, hexamethyl-	92	14	Decane	97	26	Decane	96	18
VOC TIC Match 2	** Decane, 2,5,9-trimethyl-	94	42	(2) UNIDENTIFIED COMPOUND (no library match)	0	450	**, **m Octane, 3,5-dimethyl-	90	68	Cyclotrisiloxane, hexamethyl-	93	17	Decane	97	43	Decane	97	11	*, **, **m 2-methyl-1-Propene,	97	19	ND	0	< 10
VOC TIC Match 3	**m Cyclopentanone	93	16	**m Decane	96	40	**m Heptane, 3-ethyl-2-methyl-	92	55	Glycidol	90	24	Octane	98	28	Octane	97	10	ND	0	< 10	ND	0	< 10
VOC TIC Match 4	Cyclotrisiloxane, hexamethyl-	93	11	Octane	97	15	**m Cyclotrisiloxane, hexamethyl-	92	38	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 5	ND	0	< 10	*, **m Carbonyl sulfide	95	43	**m Cyclotetrasiloxane, octamethyl-	87	34	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 6	ND	0	< 10	Isobutane	91	18	**m Octane	97	27	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 7	ND	0	< 10	ND	0	< 10	**, **m 4-Isopropenylcyclohexanone	86	43	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 8	ND	0	< 10	ND	0	< 10	**, **m 1-Decene, 4-methyl-	83	23	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 9	ND	0	< 10	ND	0	< 10	**, **m Benzene, 1-ethyl-2-methyl-	84	33	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 10	ND	0	< 10	ND	0	< 10	*, **m Benzene, 1,2,3-trimethyl-	93	24	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10

CREATE TA

Sample Location	VW25-14			VW25-15			VW25-16A			VW25-13			VW25-12			VW25-07		
Monitoring round 1	19/03/2025			19/03/2025			19/03/2025			19/03/2025			19/03/2025			18/03/2025		
Compound Name	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**
VOC TIC Match 1	1-Octyn-3-ol, 4-ethyl-	86	12	Cyclotrisiloxane, hexamethyl-	92	38	Cyclotetrasiloxane, octamethyl-	94	26	Heptane, 2,2,4,6,6-pentamethyl-	91	31	0	0	< 10	Cyclotrisiloxane, hexamethyl-	92	15
VOC TIC Match 2	0	0	< 10	Cyclotetrasiloxane, octamethyl-	94	16	Cyclotrisiloxane, hexamethyl-	92	13	** Hexane, 2,3,4-trimethyl-	87	24	0	0	< 10	0	0	< 10
VOC TIC Match 3	0	0	< 10	0	0	< 10	**, **o Heptane, 2,2,4,6,6-pentamethyl-	86	13	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 4	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 5	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 6	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 7	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 8	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 9	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
Monitoring round 2	08/04/2025			09/04/2025			09/04/2025			08/04/2025			09/04/2025			08/04/2025		
Compound Name	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**
VOC TIC Match 1	Oxalic acid	79	15	Oxalic acid	85	15	Oxalic acid	92	25	Octane	97	20	Oxalic acid	85	31	Oxalic acid	84	19
VOC TIC Match 2	0	0	< 10	0	0	< 10	0	0	< 10	Oxalic acid	87	39	0	0	< 10	0	0	< 10
VOC TIC Match 3	0	0	< 10	0	0	< 10	0	0	< 10	Decane	97	17	0	0	< 10	0	0	< 10
VOC TIC Match 4	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 5	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 6	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 7	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 8	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 9	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
VOC TIC Match 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10	0	0	< 10
Monitoring round 3	07/05/2025			07/05/2025			07/05/2025			07/05/2025			07/05/2025			29/04/2025		
Compound Name	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**	**Compound Name**	**% Match**	**Amount (ppbv)**
VOC TIC Match 1	ND	0	< 10	ND	0	< 10	ND	0	< 10	**m Heptane, 2,2,4,6,6-pentamethyl-	94	130	ND	0	< 10	(2) UNIDENTIFIED COMPOUND (no library match)	0	210
VOC TIC Match 2	ND	0	< 10	ND	0	< 10	ND	0	< 10	Octane	98	37	ND	0	< 10	Decane	96	13
VOC TIC Match 3	ND	0	< 10	ND	0	< 10	ND	0	< 10	Cyclopentanone	96	16	ND	0	< 10	ND	0	< 10
VOC TIC Match 4	ND	0	< 10	ND	0	< 10	ND	0	< 10	2,2,4,4-Tetramethyloctane	95	11	ND	0	< 10	ND	0	< 10
VOC TIC Match 5	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 6	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 7	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 8	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 9	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10
VOC TIC Match 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10	ND	0	< 10

	Sample Location		VW25-23	VW25-23-DUP	RPD	VW25-23	VW25-23-DUP	RPD	VW25-17	VW25-17-DUP	RPD
	Monitoring ound No.		1	1		2	2		3	3	
	Date Sampled		17/03/2025	17/03/2025		07/04/2025	07/04/2025		07/05/2025	07/05/2025	
					%			%			%
Analytical Parameter	**Units**	**Limit of detection**									
1,1,1-Trichloroethane	ug.m-3	2.8	2.8	2.8	0.00	2.8	2.8	0.00	2.8	2.8	0.00
1,1,2,2-Tetrachloroethane	ug.m-3	3.5	3.5	3.5	0.00	3.5	3.5	0.00	3.5	3.5	0.00
1,1,2-Trichloroethane	ug.m-3	2.8	2.8	2.8	0.00	2.8	2.8	0.00	2.8	2.8	0.00
1,1-Dichloroethene	ug.m-3	2	2	2	0.00	2	2	0.00	2	2	0.00
1,1-Dichloroethane	ug.m-3	2.1	7.5	6.3	**17.39**	11	8.9	**21.11**	2.1	2.1	0.00
1,2,4-Trichlorobenzene	ug.m-3	3.8	3.8	3.8	0.00	3.8	3.8	0.00	3.8	3.8	0.00
1,2,4-Trimethylbenzene	ug.m-3	2.5	2.5	2.5	0.00	2.5	2.5	0.00	2.5	2.5	0.00
1,2-Dibromoethane	ug.m-3	3.9	3.9	3.9	0.00	3.9	3.9	0.00	3.9	3.9	0.00
1,2-Dichlorobenzene	ug.m-3	3.1	3.1	3.1	0.00	3.1	3.1	0.00	3.1	3.1	0.00
1,2-Dichloroethane	ug.m-3	2	2	2	0.00	2	2	0.00	2	2	0.00
1,2-Dichloropropane	ug.m-3	2.4	2.4	2.4	0.00	2.4	2.4	0.00	2.4	2.4	0.00
1,3-Butadiene	ug.m-3	1.1	1.1	1.1	0.00	1.1	1.1	0.00	1.1	1.1	0.00
1,3-Dichlorobenzene	ug.m-3	3.1	3.1	3.1	0.00	3.1	3.1	0.00	3.1	3.1	0.00
1,4-Dichlorobenzene	ug.m-3	3.1	3.1	3.1	0.00	3.1	3.1	0.00	3.1	3.1	0.00
1,4-Dioxane	ug.m-3	1.8	1.8	1.8	0.00	1.8	1.8	0.00	1.9	1.8	**5.41**
4-Ethyltoluene	ug.m-3	2.5	2.5	2.5	0.00	2.5	2.5	0.00	2.5	2.5	0.00
Acetone	ug.m-3	9.7	18	40	**75.86**	13	15	**14.29**	18	17	**5.71**
Acrolein	ug.m-3	1.2	1.2	1.2	0.00	4.9	3.5	**33.33**	1.2	1.2	0.00
Bromodichloromethane	ug.m-3	3.4	3.4	3.4	0.00	3.4	3.4	0.00	3.4	3.4	0.00
Benzyl chloride	ug.m-3	2.6	2.6	2.6	0.00	2.6	2.6	0.00	2.6	2.6	0.00
Benzene	ug.m-3	1	1	1	0.00	1	1	0.00	1.4	1.1	**24.00**
Bromomethane	ug.m-3	2	2	2	0.00	2	2	0.00	2	2	0.00
Cis-1,2-dichloroethene	ug.m-3	2	2	2	0.00	2	2	0.00	2	2	0.00
Cis-1,3-dichloropropene	ug.m-3	2.3	2.3	2.3	0.00	2.3	2.3	0.00	2.3	2.3	0.00
Chlorobenzene	ug.m-3	2.3	2.3	2.3	0.00	2.3	2.3	0.00	2.3	2.3	0.00
Carbon tetrachloride	ug.m-3	3.2	3.2	3.2	0.00	3.2	3.2	0.00	3.2	3.2	0.00
Carbon disulphide	ug.m-3	9.5	49	55	**11.54**	27	28	**3.64**	110	57	**63.47**
Chloroethane	ug.m-3	1.3	1.3	1.3	0.00	1.3	1.3	0.00	1.3	1.3	0.00
Chloroform	ug.m-3	2.5	2.5	2.5	0.00	2.5	2.5	0.00	5	3.4	**38.10**
Chloromethane	ug.m-3	10.4	10.4	10.4	0.00	10.4	10.4	0.00	10.4	10.4	0.00
Cyclohexane	ug.m-3	1.8	5.3	4.6	**14.14**	1.8	1.8	0.00	1.8	1.8	0.00
Dibromochloromethane	ug.m-3	4.3	4.3	4.3	0.00	4.3	4.3	0.00	4.3	4.3	0.00
Dichlorodifluoromethane	ug.m-3	2.5	2.5	2.5	0.00	2.5	2.5	0.00	2.5	2.5	0.00
Dichlomethane	ug.m-3	24.8	24.8	24.8	0.00	24.8	24.8	0.00	24.8	24.8	0.00
Dichlorotetrafluoroethane	ug.m-3	3.6	3.6	3.6	0.00	3.6	3.6	0.00	3.6	3.6	0.00
Ethyl acetate	ug.m-3	1.8	1.8	1.8	0.00	1.8	1.8	0.00	1.8	1.8	0.00
Ethylbenzene	ug.m-3	1.3	1.3	1.3	0.00	1.3	1.3	0.00	1.5	1.3	**14.29**
Ethanol	ug.m-3	20	7	28	**120.00**	20	20	0.00	5.8	20	**110.08**
Hexachlorobutadiene	ug.m-3	5.4	5.4	5.4	0.00	5.4	5.4	0.00	5.4	5.4	0.00
Heptane	ug.m-3	2.1	2.1	2.1	0.00	2.1	2.1	0.00	2.1	2.1	0.00
Hexane	ug.m-3	10.8	10.8	10.8	0.00	10.8	10.8	0.00	10.8	10.8	0.00
Isopropyl alcohol	ug.m-3	5	5	43	**158.33**	5	5	0.00	5	5	0.00
2-Hexanone (MBK)	ug.m-3	2.1	2.1	2.5	**17.39**	2.1	2.1	0.00	2.1	2.1	0.00
MEK	ug.m-3	1.5	2.5	7	**94.74**	3	3.4	**12.50**	3.7	3.9	**5.26**
Methyl methacrylate	ug.m-3	2.1	2.1	2.1	0.00	2.1	2.1	0.00	2.1	2.1	0.00
MIBK	ug.m-3	2.1	2.1	2.1	0.00	2.1	2.1	0.00	2.1	2.1	0.00
MTBE	ug.m-3	1.8	1.8	1.8	0.00	1.8	1.8	0.00	1.8	1.8	0.00
O-xylene	ug.m-3	1.3	1.3	1.3	0.00	1.3	1.3	0.00	1.5	1.3	**14.29**
M/p-xylene	ug.m-3	1.3	1.3	1.3	0.00	1.9	2.1	**10.00**	4.9	3	**48.10**
Propene	ug.m-3	0.9	60	50	**18.18**	31	21	**38.46**	5.4	1.9	**95.89**
Styrene	ug.m-3	2.2	7	9.8	**33.33**	15	9.1	**48.96**	50	20	**85.71**
Trans-1,2-dichloroethene	ug.m-3	2	2	2	0.00	2	2	0.00	2	2	0.00
Trans-1,3-dichloropropene	ug.m-3	2.3	2.3	2.3	0.00	2.3	2.3	0.00	2.3	2.3	0.00
Trans-1,2-dichloroethene	ug.m-3	2	2	2	0.00	2	2	0.00	2	2	0.00
Trans-1,3-dichloropropene	ug.m-3	2.3	2.3	2.3	0.00	2.3	2.3	0.00	2.3	2.3	0.00
Bromoform	ug.m-3	5.3	5.3	5.3	0.00	5.3	5.3	0.00	5.3	5.3	0.00
Trichloroethene	ug.m-3	2.7	2.7	2.7	0.00	2.7	2.7	0.00	2.7	2.7	0.00
Trichlorofluoromethane	ug.m-3	2.9	2.9	2.9	0.00	2.9	2.9	0.00	2.9	2.9	0.00
Trichlorotrifluoroethane	ug.m-3	3.9	3.9	3.9	0.00	3.9	3.9	0.00	3.9	3.9	0.00
Tetrachloroethene	ug.m-3	3.5	3.5	3.5	0.00	3.5	3.5	0.00	7.9	3.6	**74.78**
THF	ug.m-3	1.5	1.5	1.5	0.00	1.5	1.5	0.00	1.5	1.5	0.00
1,3,5-Trimethylbenzene	ug.m-3	2.5	2.5	2.5	0.00	2.5	2.5	0.00	2.5	2.5	0.00
Toluene	ug.m-3	1.2	2	3	**40.00**	2.1	2.1	0.00	16	12	**28.57**
Vinyl acetate	ug.m-3	1.8	1.8	1.8	0.00	1.8	1.8	0.00	1.8	1.8	0.00
Vinyl chloride	ug.m-3	1.3	1.3	1.3	0.00	1.3	1.3	0.00	1.3	1.3	0.00
Naphthalene	ug.m-3	2.7	2.7	2.7	0.00	2.7	2.7	0.00	2.7	2.7	0.00
TPH Aliphatic C5-C6	ug.m-3	30	34	43	**23.38**	30	-	-	30	-	-
TPH Aliphatic C6-C8	ug.m-3	30	46	86	**60.61**	< 30	-	-	68	-	-
TPH Aliphatic C8-C10	ug.m-3	30	300	270	**10.53**	170	-	-	350	-	-
TPH Aromatic C6-C7	ug.m-3	30	30	30	0.00	30	-	-	< 30	-	-
TPH Aromatic C7-C8	ug.m-3	30	30	30	0.00	30	-	-	< 30	-	-
TPH Aromatic C8-C10	ug.m-3	30	30	30	0.00	30	-	-	59	-	-
TPH >C10-C12	ug.m-3	30	91	82	**10.40**	68	-	-	80	-	-
PRO C5-C12	ug.m-3	30	500	510	**1.98**	300	-	-	590	-	-
TPH >C5-C6	ug.m-3	30	34	43	**23.38**	< 30	-	-	< 30	-	-
TPH >C6-C8	ug.m-3	30	49	90	**58.99**	< 30	-	-	85	-	-
TPH >C8-C10	ug.m-3	30	310	280	**10.17**	190	-	-	410	-	-

Slug Test Proforma
(1 sheet per borehole)

Section to be completed on arrival at borehole:

Project No.:	**401**	**Project Name / Location:**	**Hinckley**	**Time:**	**09:03**
Well No.:	**MW25-03 Area A**	**BH Drill diameter:**	**113**	**Pre test DTW:**	**1.58**
Date:	**19/03/2025**	**BH Pipe Diam.:**	**50mm**	**Pre Test DTB:**	**9.16**
Engineer Initials:	**BD**	**Datum:**	**Top of flush cover**	**DTB-DTW:**	**7.58**

Section to be completed for each test at that borehole:

FHT #1		**RHT #1**		**FHT #2**		**RHT #2**		**FHT #3**		**RHT #3**	
Time at start	**09:41:00**	**Time at start**	**10:41:00**	**Time at start**	**11:41:00**	**Time at start**		**Time at start**		**Time at start**	
RWL	**1.427**	**RWL**	**1.346**	**RWL**	**1.42**	**RWL**		**RWL**		**RWL**	
Time at end	**10:41:00**	**Time at end**	**11:41:00**	**Time at end**	**12:00:00**	**Time at end**		**Time at end**		**Time at end**	
No. of slug pieces	**3**	**No. of slug pieces**	**3**	**No. of slug pieces**	**3**	**No. of slug pieces**		**No. of slug pieces**		**No. of slug pieces**	
Time of measurement (hh:mm:ss)	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**
09:41:00	-	10:41:00	-	11:41:00	-						
09:41:10	-	10:41:10	-	11:41:10	-						
09:41:20	0.760	10:41:20	2.080	11:41:20	-						
09:41:30	0.873	10:41:30	2.019	11:41:30	0.800						
09:41:40	0.912	10:41:40	1.973	11:41:40	0.863						
09:41:50	-	10:41:50	1.930	11:41:50	0.902						
09:42:00	0.975	10:42:00	1.890	11:42:00	0.930						
09:42:10	1.015	10:42:10	1.859	11:42:10	0.952						
09:42:20	1.045	10:42:20	1.823	11:42:20	0.993						
09:42:30	1.064	10:42:30	1.795	11:42:30	1.015						
09:42:40	1.089	10:42:40	1.771	11:42:40	1.042						
09:42:50	1.109	10:42:50	1.743	11:42:50	1.063						
09:43:00	1.123	10:43:00	1.720	11:43:00	1.075						
09:43:30	1.170	10:43:30	1.668	11:43:30	1.116						
09:44:00	1.200	10:44:00	1.629	11:44:00	1.154						
09:44:30	1.224	10:44:30	1.599	11:44:30	1.180						
09:45:00	1.242	10:45:00	1.569	11:45:00	1.220						
09:46:00	1.273	10:46:00	1.534	11:46:00	1.236						
09:47:00	1.294	10:48:00	1.488	11:48:00	1.283						
09:48:00	1.309	10:50:00	1.469	11:50:00	1.308						
09:50:00	1.320	10:55:00	1.445	11:55:00	1.330						
09:52:00	1.329	11:00:00	1.437	12:00:00	1.337						
09:54:00	1.334	11:10:00	1.430								
09:56:00	1.336	11:20:00	1.426								
10:00:00	1.339	11:30:00	1.422								
10:05:00	1.342	11:41:00	1.420								
10:15:00	1.345										
10:25:00	1.345										
10:35:00	1.345										
10:41:00	1.346										

Notes:
RWL = Rest water level (this should be equal to the pre-test DTW at the start of each test)
DTW = Depth to water (below datum)
DTB = Depth to base (below datum)
FHT = Falling head test
RHT = Rising head test

This form allows for record of manual dip measurements throughout each test. It is critical to make as many measurements as possible in the early part of the test. Frequency of measurements can be reduced if the test recovers slowly.

For slow recovery tests, you do not need to collect in excess of 1hr of data from a test. However, if you finish a test at 1hr when it has not fully recovered, you will need to move onto a new borehole location to allow the water level to fully equilibrate before starting a new test. You may return to conduct a further test at a later time once the water level has equilibrated.

Slug Test Proforma
(1 sheet per borehole)

Section to be completed on arrival at borehole:

Project No.:	**401**	**Project Name / Location:**	**Hinckley**	**Time:**	**15:20**
Well No.:	**MW25-05A Area B**	**BH Drill diameter:**	**113**	**Pre test DTW:**	**3.059**
Date:	**19/03/2025**	**BH Pipe Diam.:**	**50mm**	**Pre Test DTB:**	**6.53**
Engineer Initials:	**BD**	**Datum:**	**Top of flush cover**	**DTB-DTW:**	**3.471**

Section to be completed for each test at that borehole:

FHT #1		**RHT #1**		**FHT #2**		**RHT #2**		**FHT #3**		**RHT #3**	
Time at start	**15:04:00**	**Time at start**	**15:51:00**	**Time at start**	**16:05:00**	**Time at start**	**16:17:00**	**Time at start**	**16:30:00**	**Time at start**	**16:45:00**
RWL	**3.045**	**RWL**	**3.037**	**RWL**	**3.051**	**RWL**	**3.035**	**RWL**	**3.058**	**RWL**	**3.048**
Time at end	**15:51:00**	**Time at end**	**16:05:00**	**Time at end**	**16:17:00**	**Time at end**	**16:30:00**	**Time at end**	**16:45:00**	**Time at end**	**17:00:00**
No. of slug pieces	**3**	**No. of slug pieces**	**3**	**No. of slug pieces**	**3**	**No. of slug pieces**	**3**	**No. of slug pieces**	**3**	**No. of slug pieces**	**3**
Time of measurement (hh:mm:ss)	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**
15:40:00	-	15:51:00	-	16:05:00	-	16:17:00	-	16:30:00	-	16:45:00	-
15:40:10	-	15:51:10	-	16:05:10	-	16:17:10	-	16:30:10	-	16:45:10	-
15:40:20	2.818	15:51:20	-	16:05:20	-	16:17:20	3.312	16:30:20	-	16:45:20	-
15:40:30	2.847	15:51:30	3.313	16:05:30	-	16:17:30	-	16:30:30	2.870	16:45:30	3.319
15:40:40	-	15:51:40	-	16:05:40	-	16:17:40	3.197	16:30:40	2.850	16:45:40	-
15:40:50	2.875	15:51:50	-	16:05:50	-	16:17:50	-	16:30:50	2.867	16:45:50	-
15:41:00	2.891	15:52:00	3.190	16:06:00	-	16:18:00	-	16:31:00	2.879	16:46:00	-
15:41:10	2.908	15:52:10	3.163	16:06:10	2.795	16:18:10	3.172	16:31:10	2.894	16:46:10	-
15:41:20	2.914	15:52:20	3.150	16:06:20	2.835	16:18:20	-	16:31:20	2.903	16:46:20	3.175
15:41:30	2.922	15:52:30	-	16:06:30	2.845	16:18:30	3.160	16:31:30	2.912	16:46:30	3.158
15:41:40	2.930	15:52:40	3.138	16:06:40	2.856	16:18:40	3.150	16:31:40	2.920	16:46:40	-
15:41:50	2.938	15:52:50	3.134	16:06:50	2.871	16:18:50	3.139	16:31:50	2.929	16:46:50	3.141
15:42:00	2.943	15:53:00	3.130	16:07:00	2.882	16:19:00	3.130	16:32:00	2.935	16:47:00	3.135
15:42:30	2.963	15:53:30	3.110	16:07:30	2.926	16:19:30	3.114	16:32:30	2.964	16:47:30	3.117
15:43:00	2.977	15:54:00	-	16:08:00	2.934	16:20:00	3.103	16:33:00	2.986	16:48:00	3.106
15:43:30	2.987	15:54:30	3.088	16:08:30	2.957	16:20:30	-	16:33:30	-	16:48:30	3.096
15:44:00	2.999	15:55:00	3.077	16:09:00	2.967	16:21:00	-	16:34:00	-	16:49:00	3.093
15:45:00	3.011	15:56:00	3.068	16:10:00	2.983	16:22:00	3.086	16:35:00	3.015	16:50:00	3.078
15:46:00	3.020	15:57:00	3.061	16:11:00	-	16:23:00	3.075	16:37:00	3.030	16:51:00	3.073
15:47:00	3.024	15:58:00	3.059	16:12:00	3.013	16:25:00	3.063	16:39:00	3.038	16:52:00	3.069
15:48:00	3.032	16:00:00	3.053	16:14:00	3.027	16:27:00	3.059	16:41:00	3.042	16:53:00	-
15:50:00	3.037	16:02:00	3.052	16:16:00	3.035	16:29:00	3.058	16:43:00	3.047	16:54:00	3.063
		16:04:00	3.051	16:17:00	-	16:30:00	-	16:44:00	3.048	16:56:00	3.060
		16:05:00	-					16:45:00	-	17:00:00	3.057

Notes:
RWL = Rest water level (this should be equal to the pre-test DTW at the start of each test)
DTW = Depth to water (below datum)
DTB = Depth to base (below datum)
FHT = Falling head test
RHT = Rising head test

This form allows for record of manual dip measurements throughout each test. It is critical to make as many measurements as possible in the early part of the test. Frequency of measurements can be reduced if the test recovers slowly.

For slow recovery tests, you do not need to collect in excess of 1hr of data from a test. However, if you finish a test at 1hr when it has not fully recovered, you will need to move onto a new borehole location to allow the water level to fully equilibrate before starting a new test. You may return to conduct a further test at a later time once the water level has equilibrated.

Slug Test Proforma
(1 sheet per borehole)

Section to be completed on arrival at borehole:

Project No.:	**401**	**Project Name / Location:**	**Hinckley**	**Time:**	**12:50**
Well No.:	**MW25-19A Area B**	**BH Drill diameter:**	**113**	**Pre test DTW:**	**4.767**
Date:	**19/03/2025**	**BH Pipe Diam.:**	**50mm**	**Pre Test DTB:**	**6.49**
Engineer Initials:	**BD**	**Datum:**	**Top of flush cover**	**DTB-DTW:**	**1.723**

Section to be completed for each test at that borehole:

FHT #1		RHT #1		FHT #2		RHT #2		FHT #3		RHT #3	
Time at start	**13:18:00**	**Time at start**	**13:27:00**	**Time at start**	**13:36:00**	**Time at start**	**13:49:00**	**Time at start**	**14:00:00**	**Time at start**	**14:10:00**
RWL	**4.762**	**RWL**	**4.76**	**RWL**	**4.765**	**RWL**	**4.76**	**RWL**	**18:14**	**RWL**	**4.76**
Time at end	**13:27:00**	**Time at end**	**13:36:00**	**Time at end**	**13:49:00**	**Time at end**	**14:00:00**	**Time at end**	**14:10:00**	**Time at end**	**14:20:00**
No. of slug pieces	**1**	**No. of slug pieces**	**1**	**No. of slug pieces**	**1**	**No. of slug pieces**	**1**	**No. of slug pieces**	**1**	**No. of slug pieces**	**1**
Time of measurement (hh:mm:ss)	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**
13:18:10	-	13:27:00	-	13:36:10	-	13:49:10	-	14:00:10	-	14:10:10	-
13:18:20	4.708	13:27:10	-	13:36:20	4.702	13:49:20	4.830	14:00:20	4.702	14:10:20	4.822
13:18:30	4.709	13:27:20	4.831	13:36:30	4.708	13:49:30	4.823	14:00:30	4.710	14:10:30	4.819
13:18:40	4.712	13:27:30	4.819	13:36:40	4.711	13:49:40	4.816	14:00:40	4.716	14:10:40	4.810
13:18:50	4.715	13:27:40	4.815	13:36:50	4.714	13:49:50	4.812	14:00:50	4.717	14:10:50	4.810
13:19:00	4.718	13:27:50	4.811	13:37:00	4.716	13:50:00	4.809	14:01:00	4.720	14:11:00	4.809
13:19:10	4.721	13:28:00	4.805	13:37:10	4.718	13:50:10	4.806	14:01:10	4.725	14:11:10	4.808
13:19:20	4.724	13:28:10	4.802	13:37:20	4.720	13:50:20	4.800	14:01:20	4.727	14:11:20	4.802
13:19:30	4.726	13:28:20	4.801	13:37:30	4.722	13:50:30	4.800	14:01:30	4.729	14:11:30	4.800
13:19:40	4.728	13:28:30	4.798	13:37:40	4.726	13:50:40	4.798	14:01:40	4.730	14:11:40	4.798
13:19:50	4.730	13:28:40	4.796	13:37:50	4.728	13:50:50	4.796	14:01:50	4.732	14:11:50	4.798
13:20:00	4.733	13:28:50	4.792	13:38:00	4.729	13:51:00	4.795	14:02:00	4.734	14:12:00	4.795
13:20:30	4.738	13:29:00	4.792	13:38:30	4.735	13:51:30	4.791	14:02:30	4.736	14:12:30	4.790
13:21:00	4.742	13:29:30	4.786	13:39:00	4.738	13:52:00	4.788	14:03:00	4.743	14:13:00	4.785
13:22:00	4.746	13:30:00	4.783	13:39:30	4.742	13:52:30	4.784	14:03:30	4.745	14:13:30	4.781
13:23:00	4.753	13:31:00	4.778	13:40:00	4.745	13:53:00	4.781	14:04:00	4.745	14:14:00	4.779
13:24:00	4.756	13:32:00	4.772	13:41:00	4.748	13:53:30	-	14:05:00	4.752	14:15:00	4.775
13:25:00	4.760	13:33:00	4.770	13:42:00	4.751	13:54:00	4.775	14:06:00	4.755	14:16:00	4.773
13:27:00	4.760	13:34:00	4.767	13:45:00	4.755	13:55:00	4.773	14:07:00	4.757	14:18:00	4.768
		13:36:00	4.765	13:47:00	4.760	13:57:00	4.769	14:08:00	4.760	14:20:00	4.766
				13:48:00	4.760	13:59:00	4.768	14:09:00	4.760		

Notes:
RWL = Rest water level (this should be equal to the pre-test DTW at the start of each test)
DTW = Depth to water (below datum)
DTB = Depth to base (below datum)
FHT = Falling head test
RHT = Rising head test

This form allows for record of manual dip measurements throughout each test. It is critical to make as many measurements as possible in the early part of the test. Frequency of measurements can be reduced if the test recovers slowly.

For slow recovery tests, you do not need to collect in excess of 1hr of data from a test. However, if you finish a test at 1hr when it has not fully recovered, you will need to move onto a new borehole location to allow the water level to fully equilibrate before starting a new test. You may return to conduct a further test at a later time once the water level has equilibrated.

Slug Test Proforma
(1 sheet per borehole)

Section to be completed on arrival at borehole:

Project No.:	**401**	**Project Name / Location:**	**Hinckley**	**Time:**	**08:35**
Well No.:	**MW25-28A Area C -**	**BH Drill diameter:**	**113**	**Pre test DTW:**	**6.95**
Date:	**20/03/2025**	**BH Pipe Diam.:**	**50mm**	**Pre Test DTB:**	**10.3**
Engineer Initials:	**BD**	**Datum:**	**Top of flush cover**	**DTB-DTW:**	**3.35**

Section to be completed for each test at that borehole:

FHT #1		**RHT #1**		**FHT #2**		**RHT #2**		**FHT #3**		**RHT #3**	
Time at start	**09:29:00**	**Time at start**	**09:35:00**	**Time at start**	**09:41:00**	**Time at start**	**09:47:00**	**Time at start**	**09:53:00**	**Time at start**	**09:59:00**
RWL	**6.95**	**RWL**	**6.946**	**RWL**	**6.947**	**RWL**	**6.945**	**RWL**	**6.946**	**RWL**	**6.947**
Time at end	**09:35:00**	**Time at end**	**09:41:00**	**Time at end**	**09:47:00**	**Time at end**	**09:53:00**	**Time at end**	**09:59:00**	**Time at end**	**10:04:00**
No. of slug pieces	**3**	**No. of slug pieces**	**3**	**No. of slug pieces**	**3**	**No. of slug pieces**	**3**	**No. of slug pieces**	**3**	**No. of slug pieces**	**3**
Time of measurement (hh:mm:ss)	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**	**Time of measurement (hh:mm:ss)**	**Depth to water (m b datum)**
09:29:00	-	09:35:00	-	09:41:00	-	09:47:00	-	09:53:00	-	09:59:00	-
09:29:10	-	09:35:10	-	09:41:10	-	09:47:10	-	09:53:10	-	09:59:10	-
09:29:20	-	09:35:20	-	09:41:20	6.913	09:47:20	-	09:53:20	-	09:59:20	-
09:29:30	6.923	09:35:30	6.963	09:41:30	6.928	09:47:30	6.957	09:53:30	6.925	09:59:30	6.958
09:29:40	6.934	09:35:40	6.955	09:41:40	6.937	09:47:40	6.950	09:53:40	6.933	09:59:40	6.950
09:29:50	6.940	09:35:50	6.950	09:41:50	6.940	09:47:50	6.951	09:53:50	6.937	09:59:50	6.950
09:30:00	6.941	09:36:00	6.948	09:42:00	6.940	09:48:00	6.947	09:54:00	6.940	10:00:00	6.949
09:30:10	6.942	09:36:10	6.948	09:42:10	6.941	09:48:10	6.947	09:54:10	6.941	10:00:10	6.948
09:30:20	6.944	09:36:20	6.947	09:42:20	6.942	09:48:20	6.947	09:54:20	6.942	10:00:20	6.948
09:30:30	6.944	09:36:30	6.947	09:42:30	6.942	09:48:30	6.946	09:54:30	6.944	10:00:30	6.947
09:30:40	6.944	09:36:40	6.947	09:42:40	6.942	09:48:40	6.946	09:54:40	6.946	10:00:40	6.947
09:30:50	6.945	09:36:50	6.947	09:42:50	6.942	09:48:50	6.946	09:54:50	6.946	10:00:50	6.947
09:31:00	6.946	09:37:00	6.947	09:43:00	6.943	09:49:00	6.946	09:55:00	6.946	10:01:00	6.947
09:31:30	6.946	09:38:00	6.947	09:43:30	6.944	09:49:30	6.946	09:55:30	6.946	10:01:30	6.947
09:32:00	6.946	09:38:30	6.947	09:44:00	6.944	09:50:00	6.946	09:56:00	6.946	10:02:00	6.947
09:33:00	6.946	09:39:00	6.947	09:45:00	6.945	09:51:00	6.946	09:57:00	6.947	10:03:00	6.947
09:34:00	6.946	09:40:00	6.947	09:46:00	6.945	09:52:00	6.946	09:58:00	6.947	10:04:00	6.947

Notes:
RWL = Rest water level (this should be equal to the pre-test DTW at the start of each test)
DTW = Depth to water (below datum)
DTB = Depth to base (below datum)
FHT = Falling head test
RHT = Rising head test

This form allows for record of manual dip measurements throughout each test. It is critical to make as many measurements as possible in the early part of the test. Frequency of measurements can be reduced if the test recovers slowly.

For slow recovery tests, you do not need to collect in excess of 1hr of data from a test. However, if you finish a test at 1hr when it has not fully recovered, you will need to move onto a new borehole location to allow the water level to fully equilibrate before starting a new test. You may return to conduct a further test at a later time once the water level has equilibrated.

Appendix A: Summary of Previous Site Works

Summary of Previous Site Works (Factual)

The following sections present a summary of the previous site investigation reports pertaining to factual information (intrusive investigations) on the site which have been made available to Worley Consulting for review. Various quarterly progress reports from the ongoing on-site containment system, have been consolidated together. Previous site investigation locations are presented on Figures 4A and 4B. It should be noted that sections have been redacted (by other parties) from several of the reports and some factual information (including intrusive logs) has not been provided.

Celtic, March 1999, Transco Electrical Enhancement Works, Factual Environmental Assessment Report, R440/99/917A (Southern Area)

Celtic was commissioned by British Gas plc Property Division (BGPD) to investigate two areas within Area B (a 525 m^2 area to the west of Block 2, and a 20 m^2 area between the water tank and substation in the southeast) where excavation works were intended as part of the forthcoming electrical enhancement at the Hinckley Operational Centre (HOC). The objectives were to investigate near-surface contamination in proposed excavation areas and to ensure any previously unidentified below-ground historical structures are not impacted during construction.

Site works took place between 3rd & 4th February 1999. Eleven boreholes were drilled to a maximum depth of 4.0 m bgl using a percussive windowless sampler. Eight boreholes were completed within the 525 m^2 area (WS1 to WS8) with 17 samples collected. Three boreholes (WS9 to WS10) were completed within the 20 m^2 area with two samples collected. The soil samples scheduled and analysed for the full BGPD suite of analytes.

Celtic, March 1999, Land for Adoption as A Cycle Route, Factual Environmental Assessment Reports, R440/99/917B (Area A)

Celtic was commissioned by BGPD to investigate a strip of land in the northeastern corner of Area A for a proposed cycle route at the HOC. The area proposed for adoption by the local council was approximately 460m^2. Site works took place between 3rd and 5th February 1999 and comprised four probe holes (CP1 to CP4) to a maximum depth of 3 m using a percussive windowless sampler. A total of six soil samples were collected and analysed for a suite of analytes including Total TPH, cyanide, ammonium, speciated PAHs and sulphate. Groundwater analysis was not included within the scope of works.

Celtic, March 1999, Stockpile of Excavated Material, Factual Environmental Assessment Site Investigation Report, R440/99/917C (Northern Area)

Celtic was commissioned by BGPD to investigate the composition of a stockpile of excavated material at the site on 4th February 1999. The stockpile was located near to the eastern boundary of Area A and comprised approximately 60 m^2 of material up to 2 m in height (approximately 120 m^3).

Three representative grab samples were collected from the stockpile and analysed for the full BGPD suite of analytes for classification.

Celtic, June 2008, Phase 1 Design Assessment Report (Draft), R1191/08/3390

Celtic was commissioned to provide a Phase 1 Design Assessment Report to investigate the ground between historical contaminative sources and site boundaries where potential contamination may be migrating off-site (southern and western boundaries of the site).

A site investigation (named Phase 1 Improvement Works) comprising cone penetration testing (CPT) and boreholes for groundwater treatment was undertaken. Thirty two boreholes (including 10 from previous investigation works) were monitored for gas.

WorleyParsons, April 2013, Project Core: Human Health Environmental Assessment Works Factual, 305008-00018/51529-02

WorleyParsons was commissioned by NGPH to complete an environmental assessment of the site, including a data review. A site walkover was completed in December 2012 and 25 No. shallow (up to 0.3 m bgl) soil samples (SU12-1 to SU12-22, SU12-100, SU12-210 & SU12-220) were collected from areas of soft standing in Area B (primarily in the south and east of Block 2) and the perimeter of Area A. No exploratory hole logs were provided to Worley Consulting for review, however the chemical data from the samples collected was appended to the report.

WorleyParsons, April 2013, 'Data Review Hinckley Operational Centre, Coventry Road, Hinckley', 305001-00024/51374-01 (Final-Rev 1)

WorleyParsons provided a report with pertinent details regarding the site's condition including a summary of current site conditions (including site setting and environmental setting), a summary of previous site investigations and remediation works. The report includes reports that were not provided to Worley Consulting, the report summaries are included below.

Celtic Technologies, 1998, 'Data Review'

An extract of the Celtic 1998 Data review was appended to the WorleyParsons Data Review, within which the following summaries of previous works at the site were presented:

- Ground Explorations Ltd, 1975, 'Geotechnical Survey': Five boreholes were drilled to a maximum depth of 22.6 m bgl for geotechnical analysis.
- Exploration Associates (Warwick) Ltd, 1983, 'Site Investigation': Two boreholes to a maximum depth of 10 m bgl prior to the construction of an access ramp to the northwestern car parking area.
- Balfour Maunsell, 1992, 'Groundwater Contamination Report': Creosote and coal tar was detected in soils and within groundwater during the excavation of the sewer trench along Rugby Road, approximately 200 m south of the site. May Gurney were commissioned to install six boreholes along the sewer at 10m intervals.
- Structure Testing Services, September 1992, 'Geophysical Survey': An investigation of sub-surface structures such as tar tanks in the vicinity of Block 1 using magnetic gradiometry and inductive conductivity.

- May Gurney, October 1992, 'Soil and Groundwater Investigation': An intrusive investigation was completed along the southern site boundary in which ten 12 m boreholes were drilled and installed (MG1-10).
- British Gas plc. December 1992, 'Geophysical Investigation': An investigation to identify the contaminant distribution in the vicinity of previously identified tar tanks.
- SIMON Hydrotechnica, February 1993, 'Hydrogeological Assessment': A study to determine groundwater flow direction and velocity in drift deposits. 9 No, boreholes (SHT1-9) were installed to a maximum depth of 16 m bgl.
- British Gas Scientific Services, March 1993, 'Boundary Survey Site Investigation': 69 boreholes (BH1-69) and 23 trial pits were progressed.
- British Gas Scientific Services, August 1993, Conductivity Survey: A conductivity survey encountered significant buried conductors at the site, in particular southwest of Block 1.
- British Gas Scientific Services, September 1993, Capital Project 241: Removal of one in-ground tar well and two liquor wells.
- A 'permanent aerobic treatment system' is reported to have been installed by British Gas Research and technology in the vicinity of the remediated tanks in 1993/4. No further details of the installation or operation of this system are known.
- 1997: The Environment Agency completed a CCTV survey of the sewer located along the western boundary.
- February 1998: Celtic visited the site and were verbally informed of tank removals (west of Block 2 and tanks A and B southwest of Block 1).

WYG, May 2015, 'Indoor Drinking Water and Air Monitoring, Coventry Road, Hinckley (0326) – Combined Factual and Interpretive Letter Report', Ref: A074754-101-1/jb/pm/FACTINT/LR1

WYG was commissioned by NGPH to complete indoor air monitoring and drinking water testing within the administrative buildings at the site. Four monitoring visits were completed between January 2015 – January 2016. The following works were completed:

- Indoor air monitoring and sampling at six locations across Blocks 1, 2,3 and 4. Samples were collected using a bottle vac and passive sampler at each location. A duplicate sample was taken during each monitoring visit.
- Collection of potable water samples at across four locations. Samples were taken from the kitchen areas in each Block. A sample was collected at each location once parameters stabilised and a duplicate was collected each round.

Wood, July 2020, Factual Site Investigation Report and Wood, Dec 2020, Factual Report

Wood undertook investigation within the northern section of the site in July and December 2020.

The July report presents factual data gathered as the result of an intrusive investigation in November 2019, and the December report collated and reviewed all previous works undertaken within the defined study area and presented all soil and groundwater data. Data used within the assessment comprised:

- Soil - Wood 2020: 34 samples, Celtic 2008: one sample within the northern site area and eight samples from one borehole to the south, Celtic 1999 Cycle Route Investigation: six samples, WSP 2013 Surface sampling: 16 samples.
- Soil leachate and groundwater: Wood 2020 soil leachate results, Wood 2020 groundwater results: 10 samples from four boreholes including duplicates, CT01 (5 samples), CT02 (2 samples) and CT03 (2 samples), CBH101 (1 sample) and CBH102 (1 sample), BH36 (1 sample – 1993 kept in for information)

Known Remediation Works

Known remedial works are summarised within the Worley Parsons Data Review (2013).

Demolition of the on-site gaswork plant was completed in the 1960s. Anecdotal evidence presented within Celtic (1993) indicates that waste material and tar was removed from gasholders A. B, 1 and 2 prior to construction of Block 1.

A Groundwater Contamination Report by Balfour Maunsell in 1992 recorded that creosote and coal tar had been detected in soils and groundwater during excavation of a sewer trench in Rugby Road approximately 200 m south of the site. The sewer was replaced, and contamination removed as Special Waste (Celtic, 1998).

Remediation works occurred in 1993 to the south-west of Block 2 by Walter Lawrence Ltd during Capital Project 241. This included removal of the tar well to the south of Block 1 (presumed to be gasholder B), a rectangular tar tank to the south of Block 2 and tar-impacted soils believed to be surrounding gasholder A (Celtic, 1999). A total of 1,068 m^3 of contaminated soils were removed and replaced with 'clean' sand and topsoil. The 8 m deep excavation at southern boundary required construction of a supporting caisson. This is believed to have been installed around BH15 and is reported as a 'permanent aerobic treatment system'. No further details of the installation or operation of this system are known and Celtic were not aware of any on-going operation of this system at the time of writing (personal communication, Stephen Kidley, Celtic, 5th September 2012).

A hydraulic containment unit was constructed by Celtic in 2009 to treat dissolved and free-phase contamination in groundwater at the southern boundary and to mitigate off-site migration. As part of the ongoing groundwater hydraulic containment system located in the southwest of Area B, a series of progress reports have been produced by Celtic. A selection of which have been provided to Worley Consulting for review.

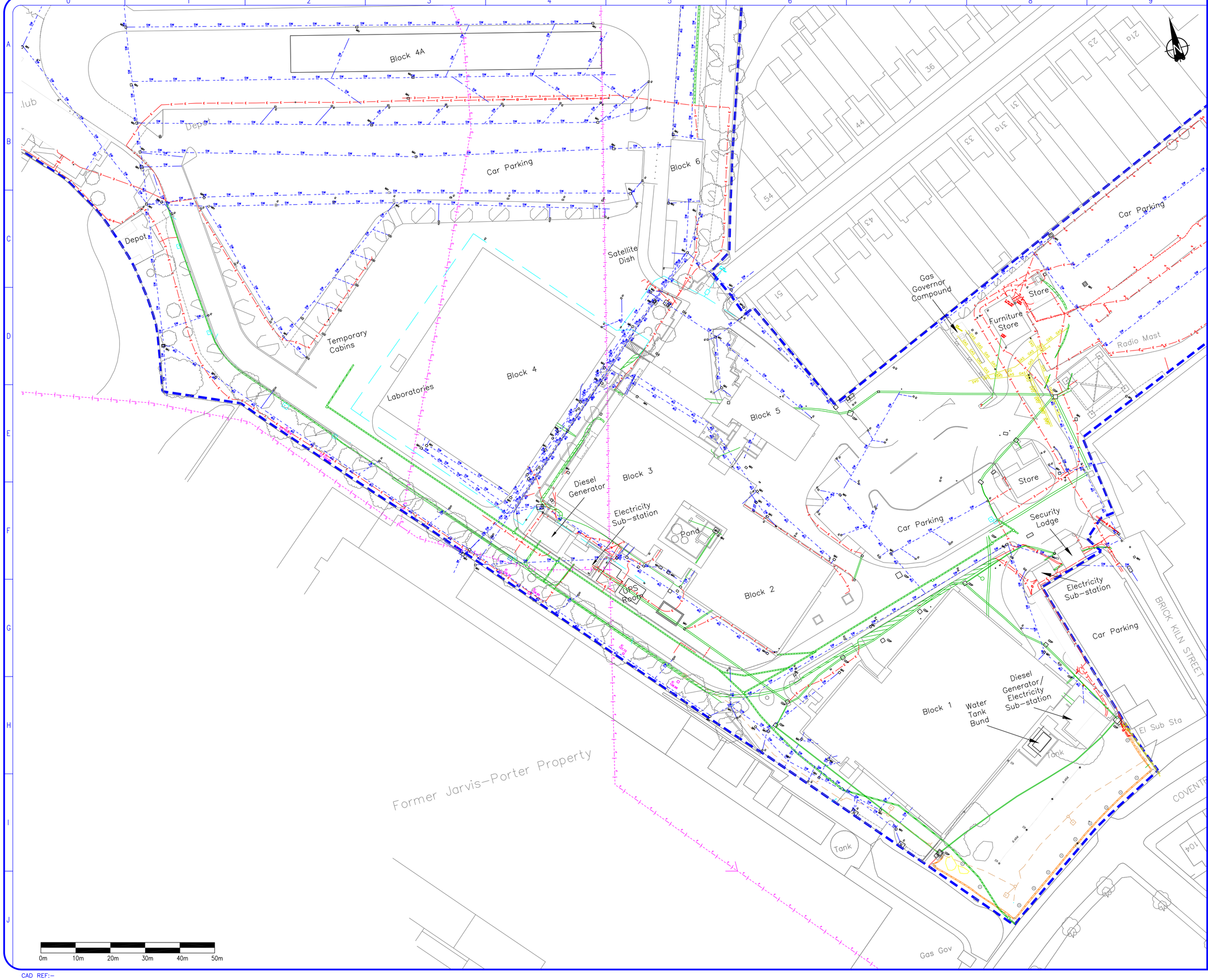
The works comprised a total of 22 groundwater abstraction, re-injection and DNAPL boreholes (labelled as CBH's, RBH's and DBH's) installed in the designated treatment area between July and August 2009, along with 27 manhole chambers and trenches for the groundwater abstraction, re-injection and DNAPL recovery boreholes between July and September 2009. Pipework was also installed between the boreholes and above ground water treatment system.

Offsite report: Wood, March 2019, 'Brick Kiln Street, Hinckley. Lidl Land Parcel Factual Site Investigation Report', Ref:39959R012i2

Wood was commissioned by NGPH to complete an intrusive site investigation within the Lidl land parcel to the southeast of the former gasworks. The purpose of the investigation was to characterise materials within the top 0.5 m of made ground. The site is currently owned by Lidl and is anticipated to be transferred over to Cadent.

Intrusive works were completed between 28th- 29th January 2019 and comprised five hand dug pits to a maximum of 0.5 m bgl. Soil samples were collected at each exploratory location and sent to a certified laboratory for Waste Acceptance Criteria (WAC) testing.

Appendix B: Service Plans



CAD REF:–

Legend

Co-ordinates:
E: 442074
N: 2932798

- NGPH Site Boundary
- Former Site Boundary
- Gas Pressure Unconfirmed
- Electric
- Fibre Optic Cable
- Band of Fibre Optic Cables
- Redundant Fibre Optic Cables
- Water Main
- Surface Water
- Disused Foul Drain (1968)
- Disused Drain (1968)
- CCTV
- Earth Rod

Please note the locations of underground services are based on information supplied by the relevant public utilities and are only indicative. Actual locations routes and depths are to be determined on site prior to any excavations.

Drawing Status

DRAFT

REV	COMMENT	DATE
A	ISSUED FOR COMMENT	24/09/08

CELTIC
Design and Construct Remediation

Columbus House, Village Way, Cardiff, CF15 7NE, 029 2036 8636
Centrix House, Crow Lane East, Newton Le Willows, WA12 9UY, 01925 273222
enquiries@celtic-tech.co.uk, www.celtic-ltd.com

Client: nationalgrid

Project: Hinckley Operational Centre

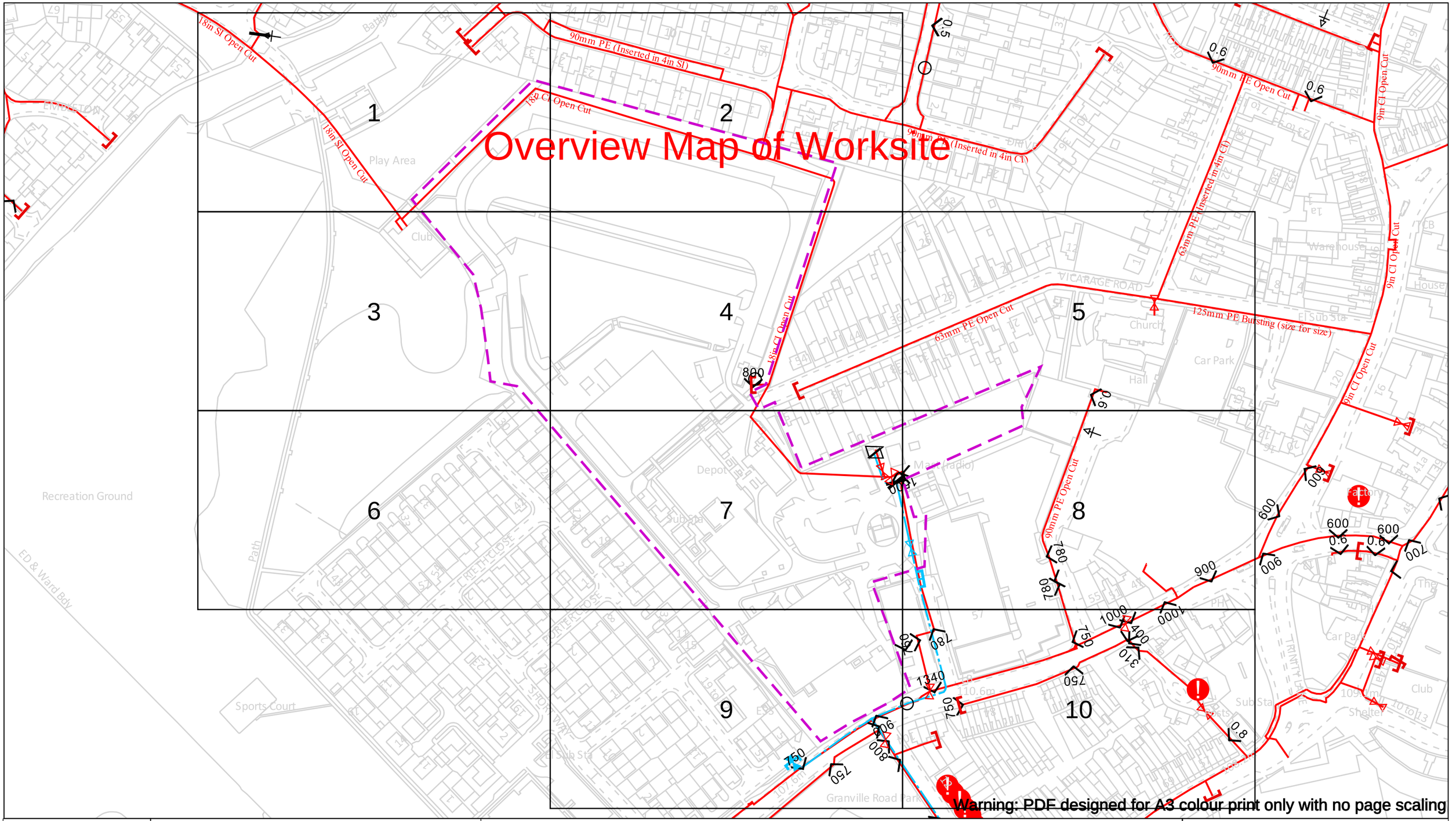
Title: Site Services

Drawn by	Checked Date	Authorised Date
NM	JB 14/07/08	MH 14/07/08

Original Scale	Date	Rev	Paper
1:500	25/06/08	0	A1

Drawing Number: D1191/3447/A2

Overview Map of Worksite



Date Requested: 19/12/2024
Job Reference: 35764744
Site Location: 442049 293828
Requested by:
Miss Alice Bensley
Your Scheme/Reference:
00400_Hinkley

Scale: 1:2050 (When plotted at A3)

View extent: 200m, 115m

IMPORTANT NOTICES

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In case of an emergency call 0800 111 999

Dig Sites

Area:

Line:

LP Mains
MP Mains
IP Mains
LHP Mains

Valve
Depth of cover
Syphon

Diameter Change
Material Change
Out of Standard Service

Where an out-of-standard service is present please contact plant protection 0800 688 588 for further information.
Out-of-standard service symbology may be used to indicate one or more of the following:

- Identification of shallow services
- Identification of dual services
- Recording of non-perpendicular services

A perpendicular service/connection is laid in a straight line from the entry point at the property to the connection at the main – this includes a pipe that has a perpendicular connection and is not straight but does not deviate more than 1m off centre line.

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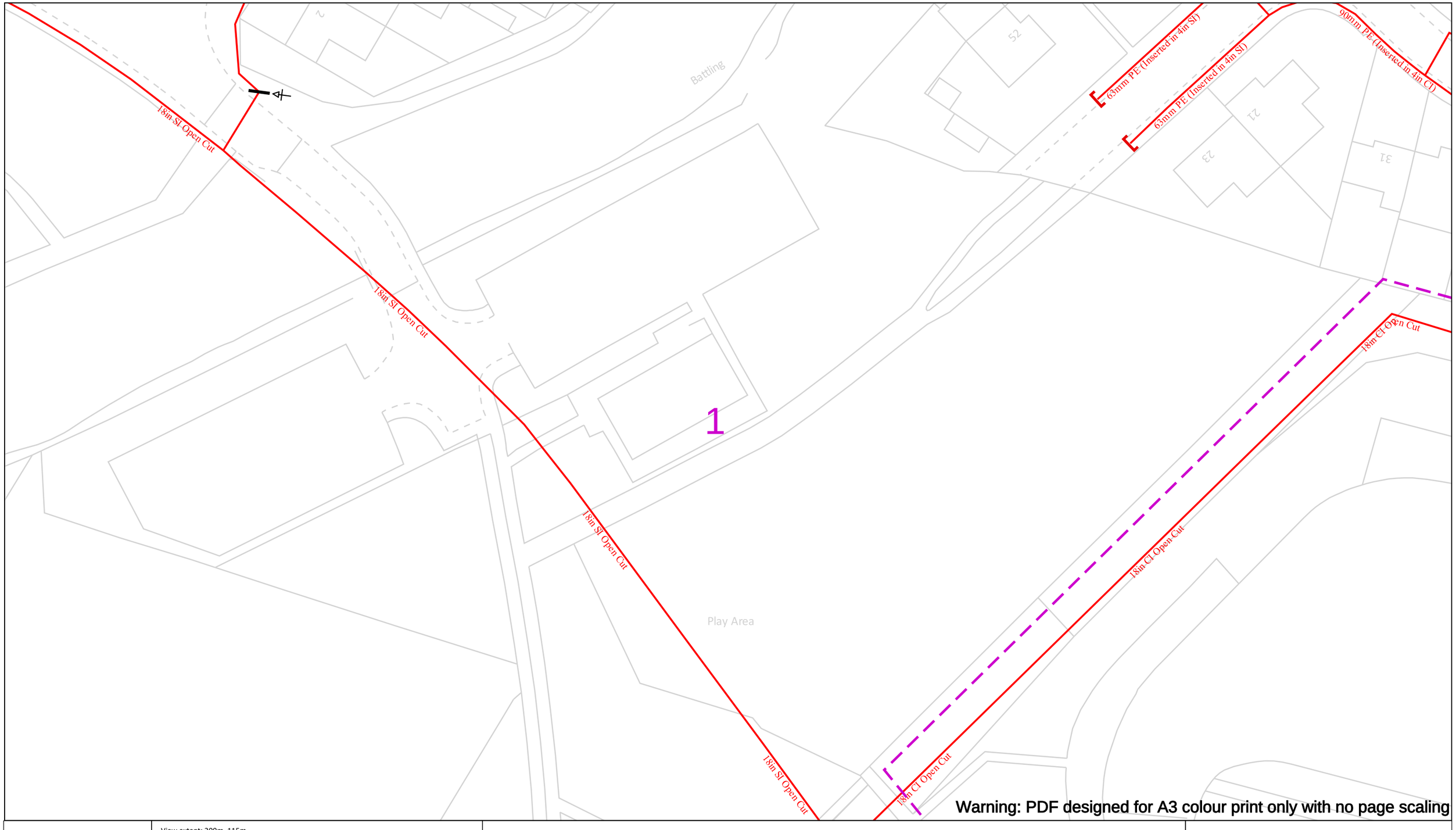

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50m

Dig Sites

Area: Line:

LP Mains
MP Mains
IP Mains
LHP Mains

Valve
Depth of cover
Syphon

Diameter Change
Material Change
Out of Standard Service

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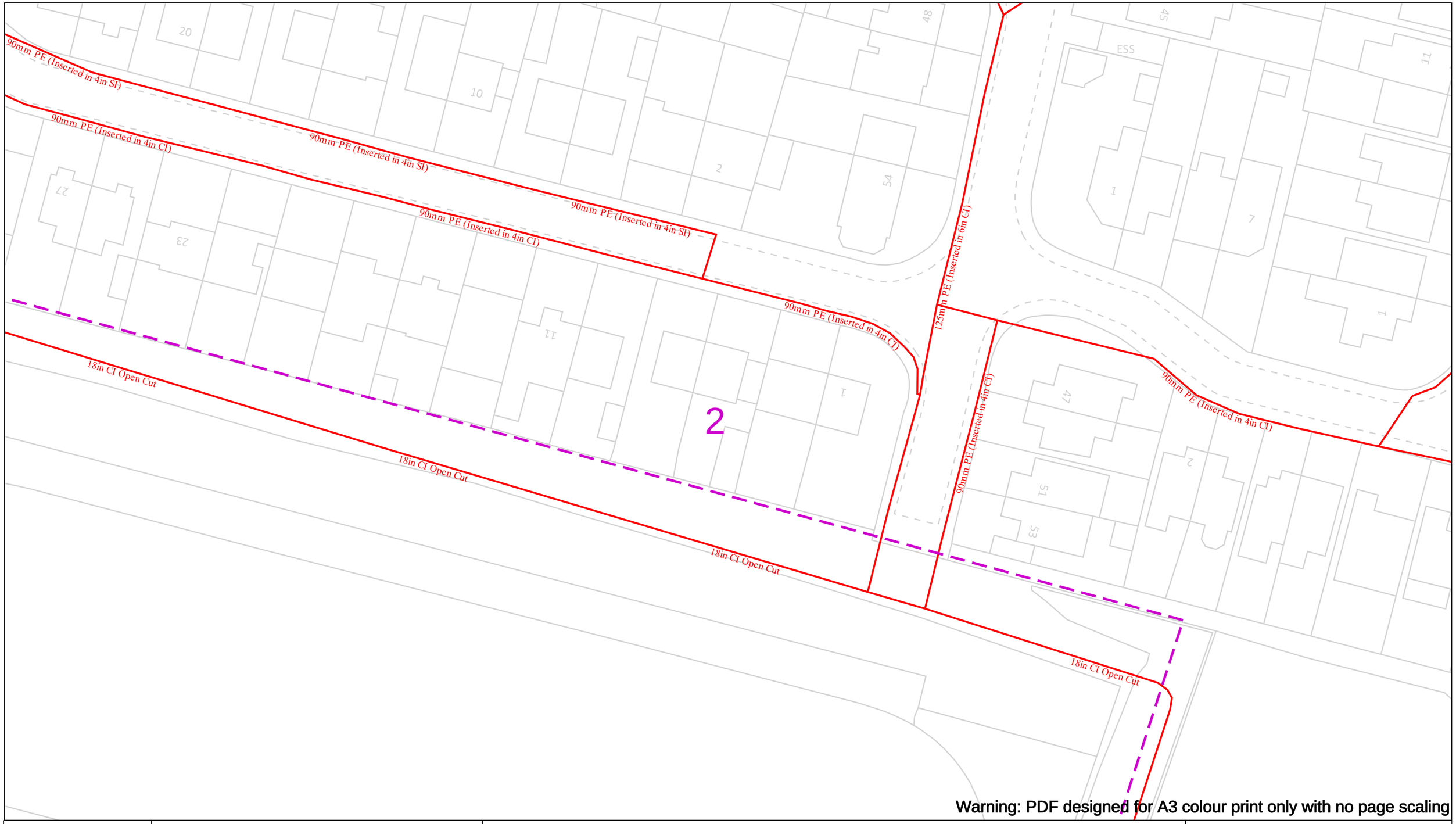

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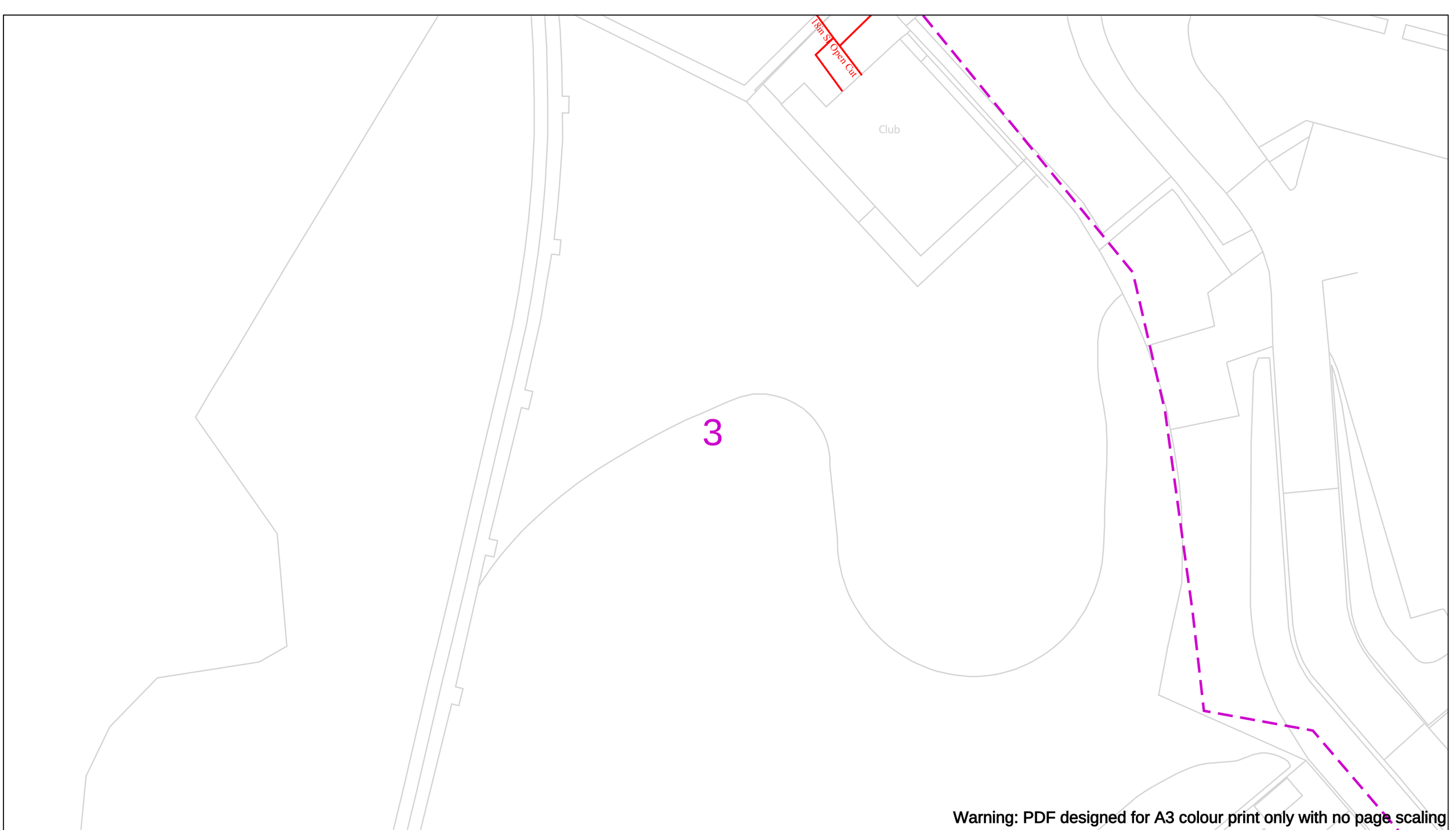

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Valve
Depth of cover
Syphon

Diameter Change
Material Change
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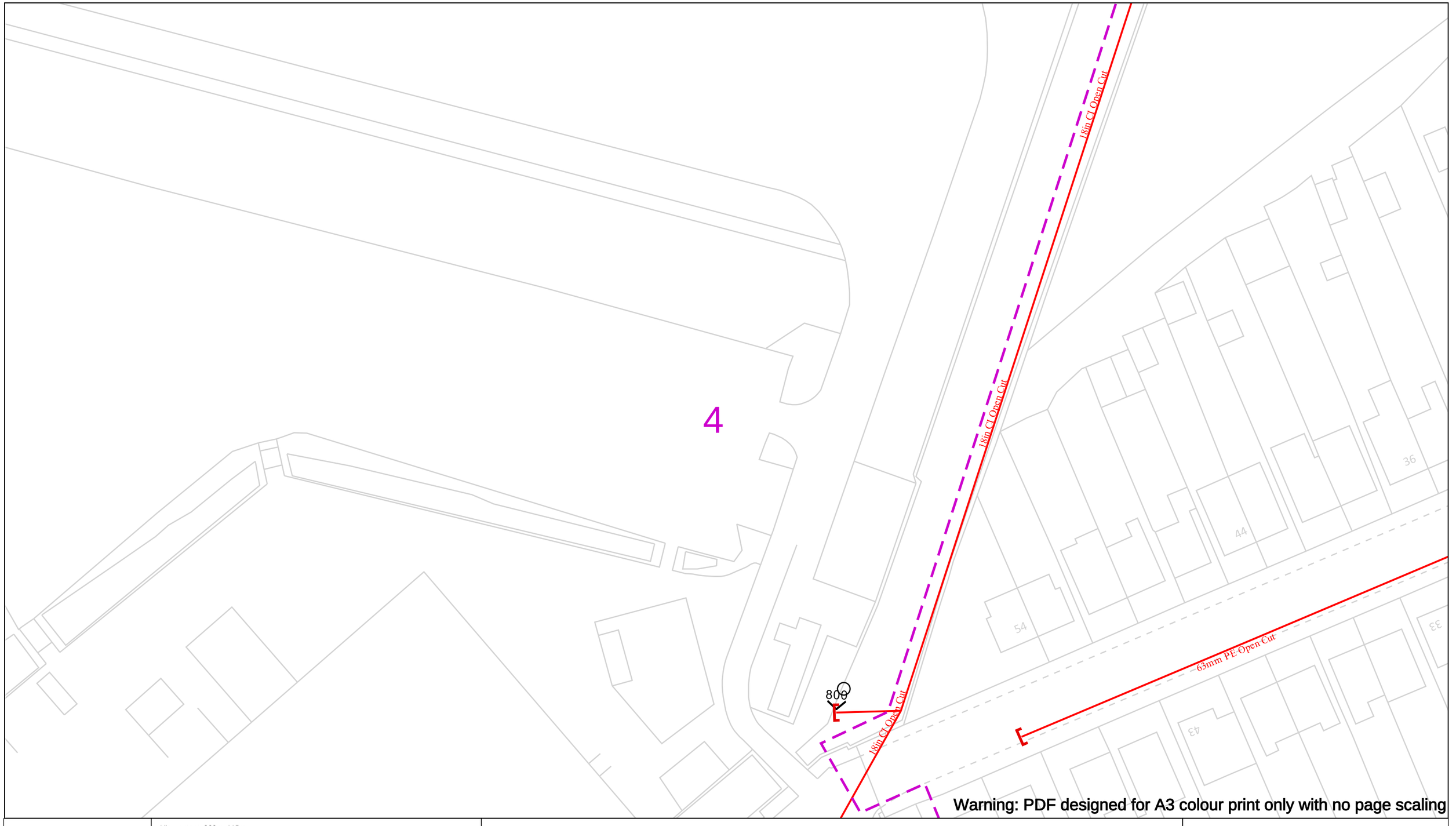

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Valve
Depth of cover
Syphon

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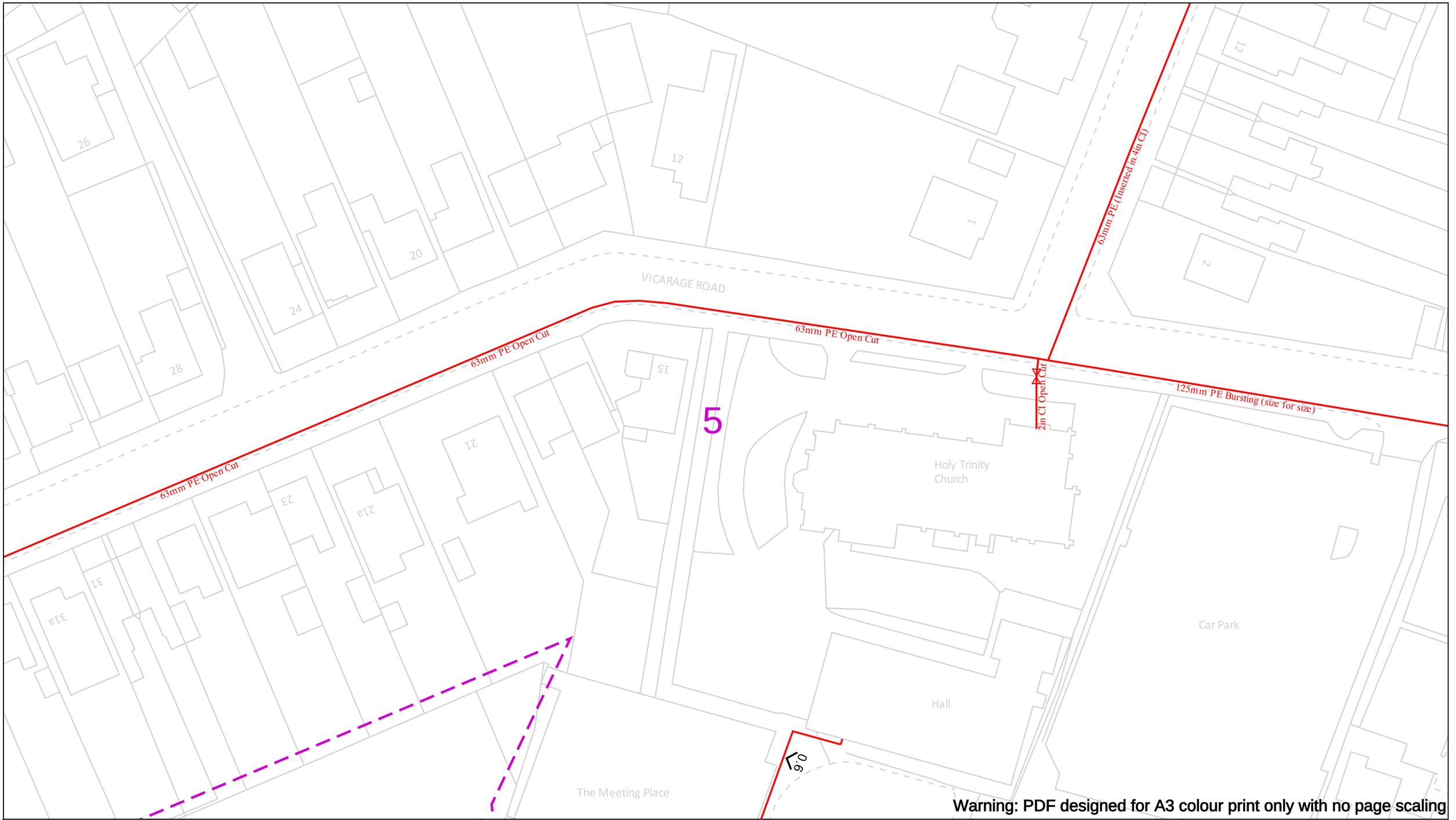

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IP Mains
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Valve
Depth of cover
Syphon

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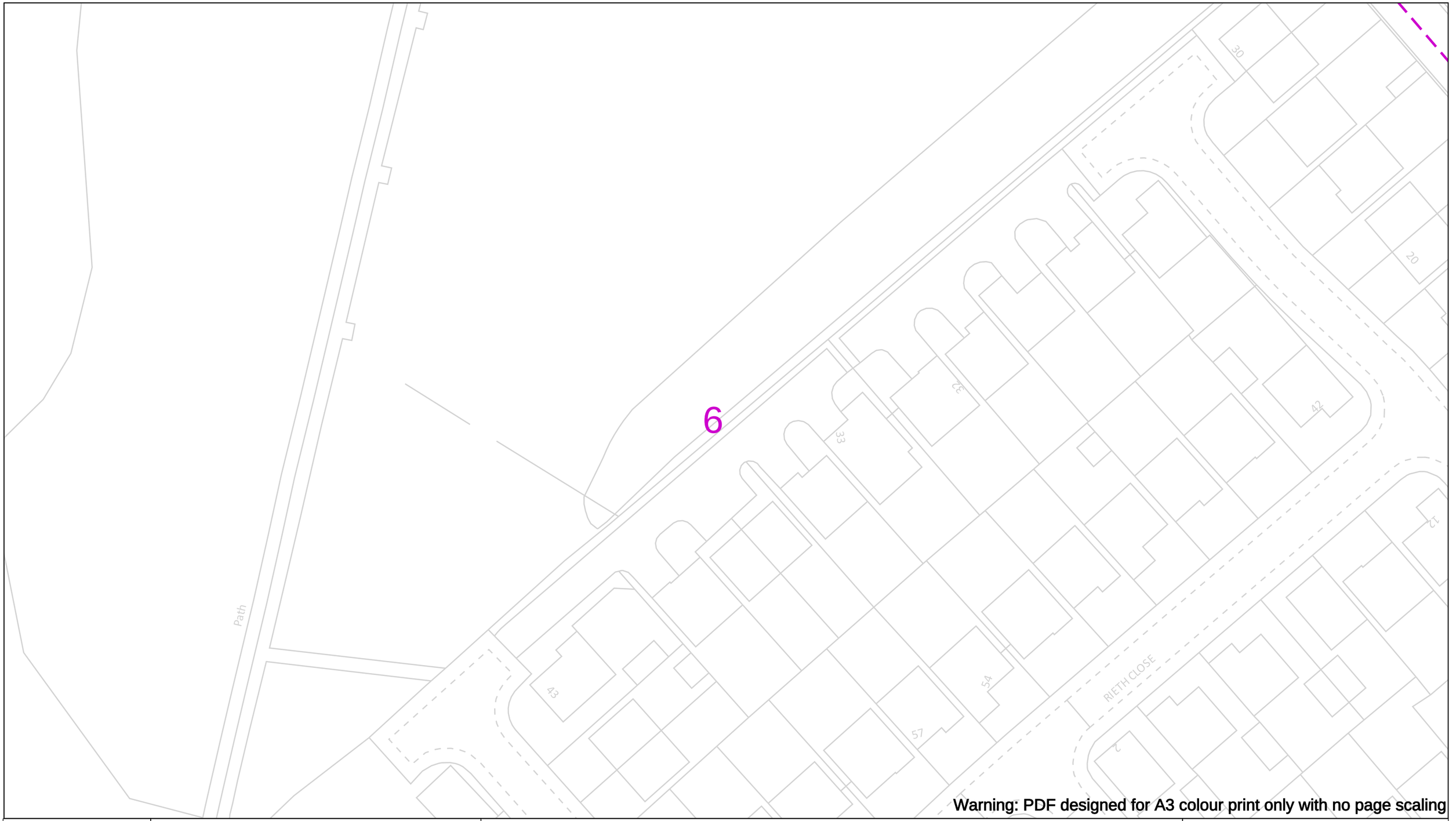

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Valve
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Cadent
Your Gas Network

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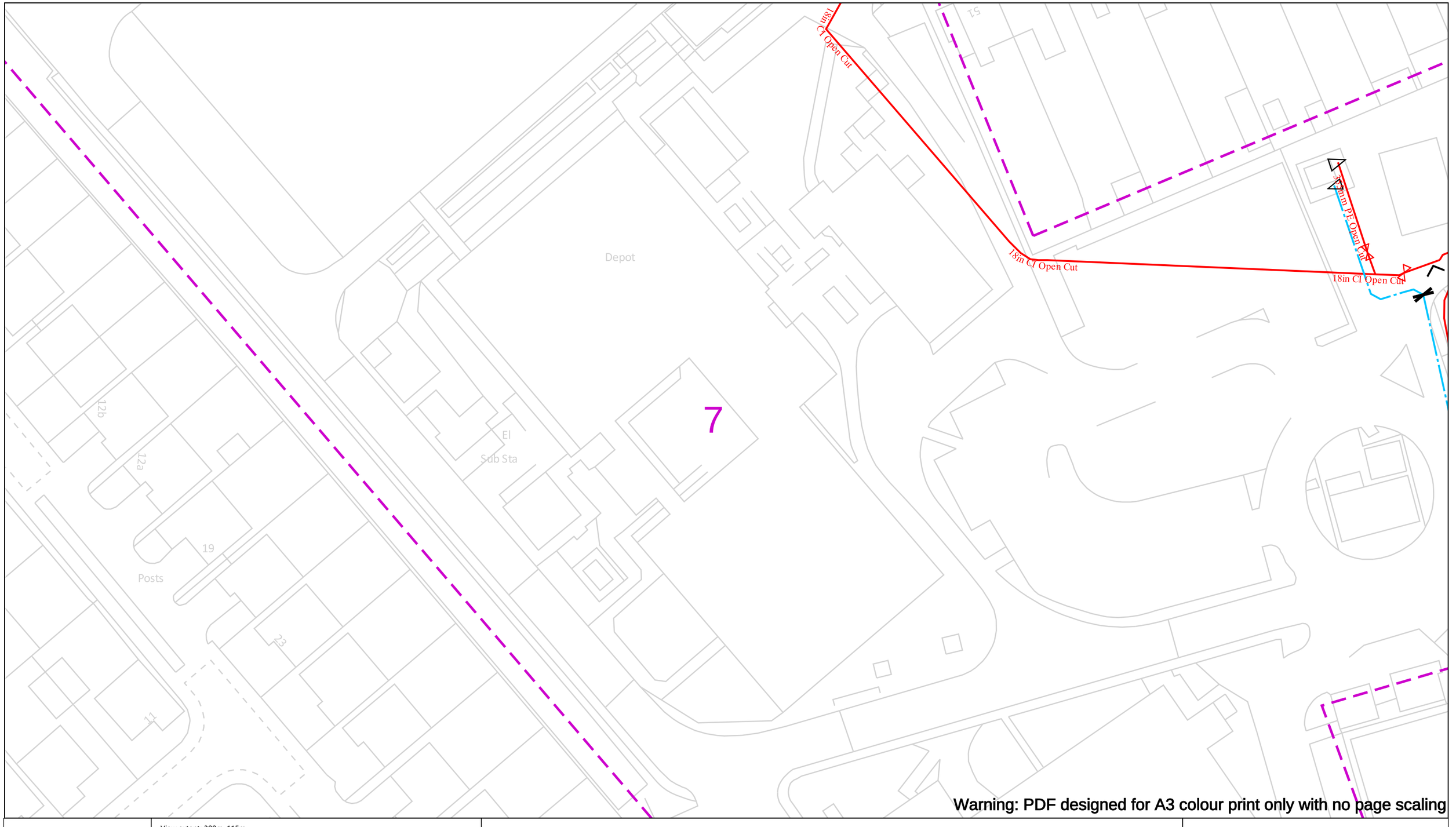

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Date Requested: 19/12/2024
Job Reference: 35764744
Site Location: 442049 293828
Requested by:
Miss Alice Bensley
Your Scheme/Reference:
00400_Hinkley

Scale: 1:500 (When plotted at A3)

View extent: 200m, 115m

IMPORTANT NOTICES

This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

In case of an emergency call 0800 111 999

50m

Dig Sites

Area:

Line:

LP Mains
MP Mains
IP Mains
LHP Mains

Valve
Depth of cover
Syphon

Diameter Change
Material Change
Out of Standard Service

Where an out-of-standard service is present please contact plant protection 0800 688 588 for further information.
Out-of-standard service symbology may be used to indicate one or more of the following:

- Identification of shallow services
- Identification of dual services
- Recording of non-perpendicular services

A perpendicular service/connection is laid in a straight line from the entry point at the property to the connection at the main – this includes a pipe that has a perpendicular connection and is not straight but does not deviate more than 1m off centre line.

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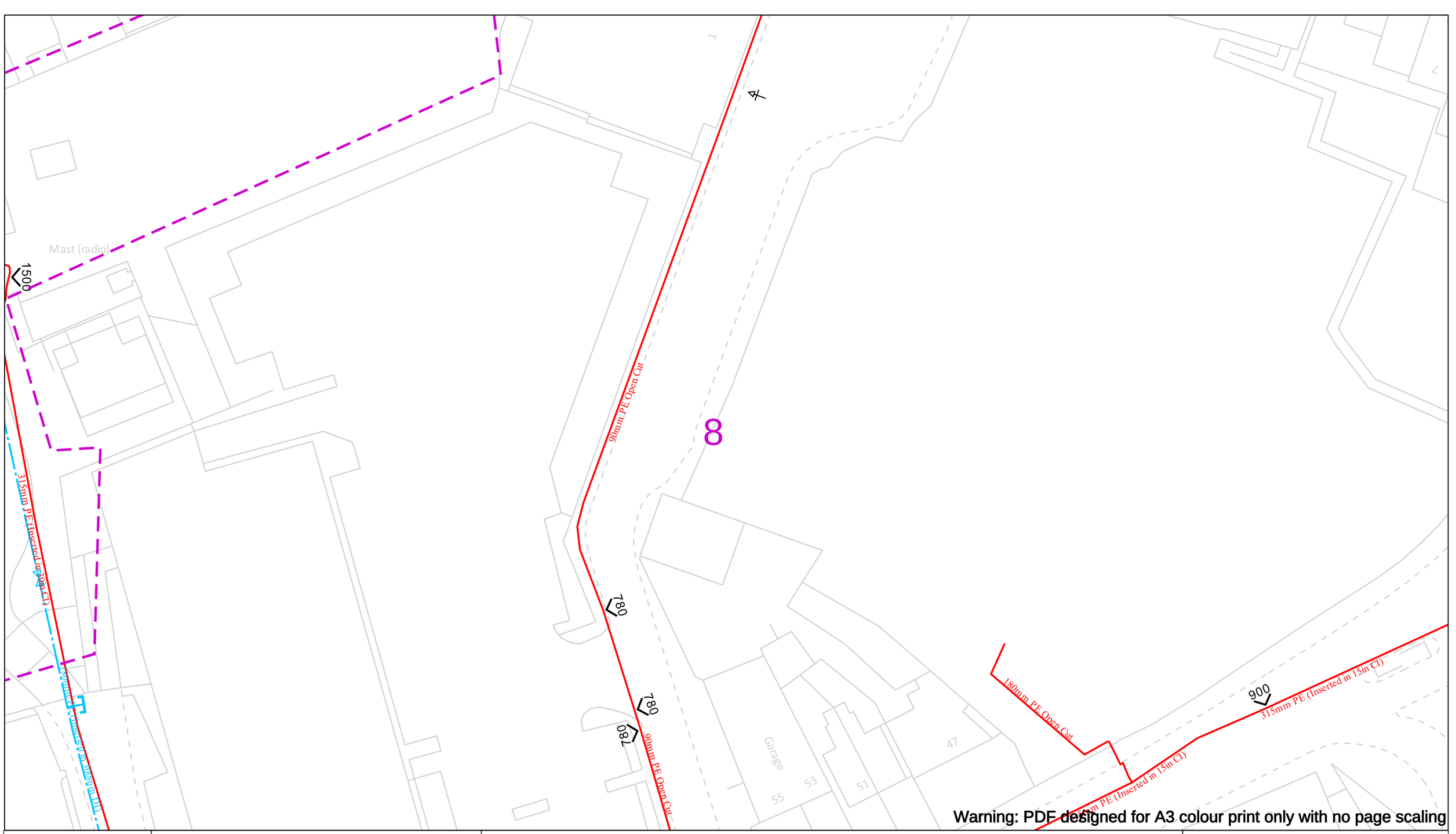

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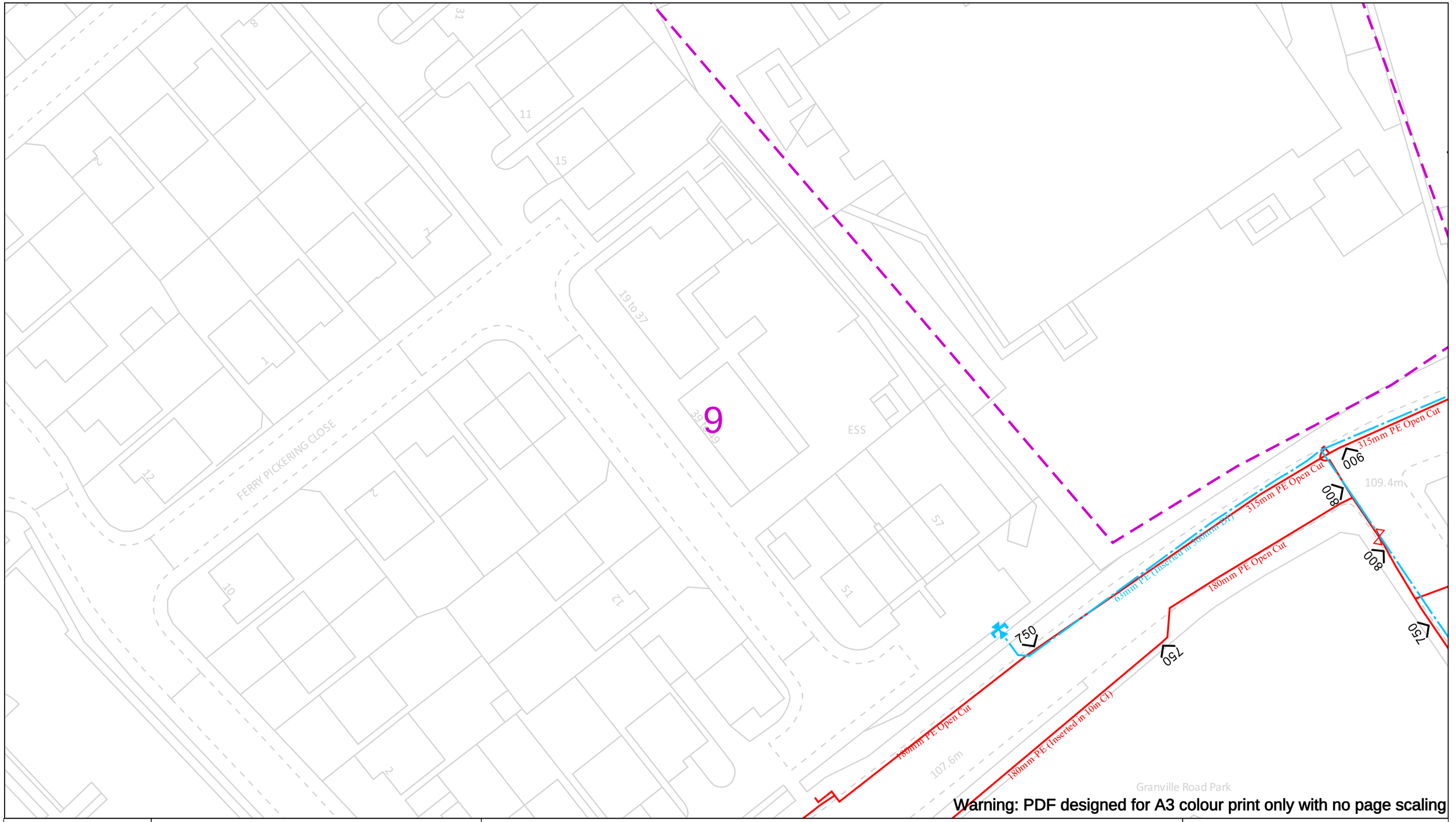

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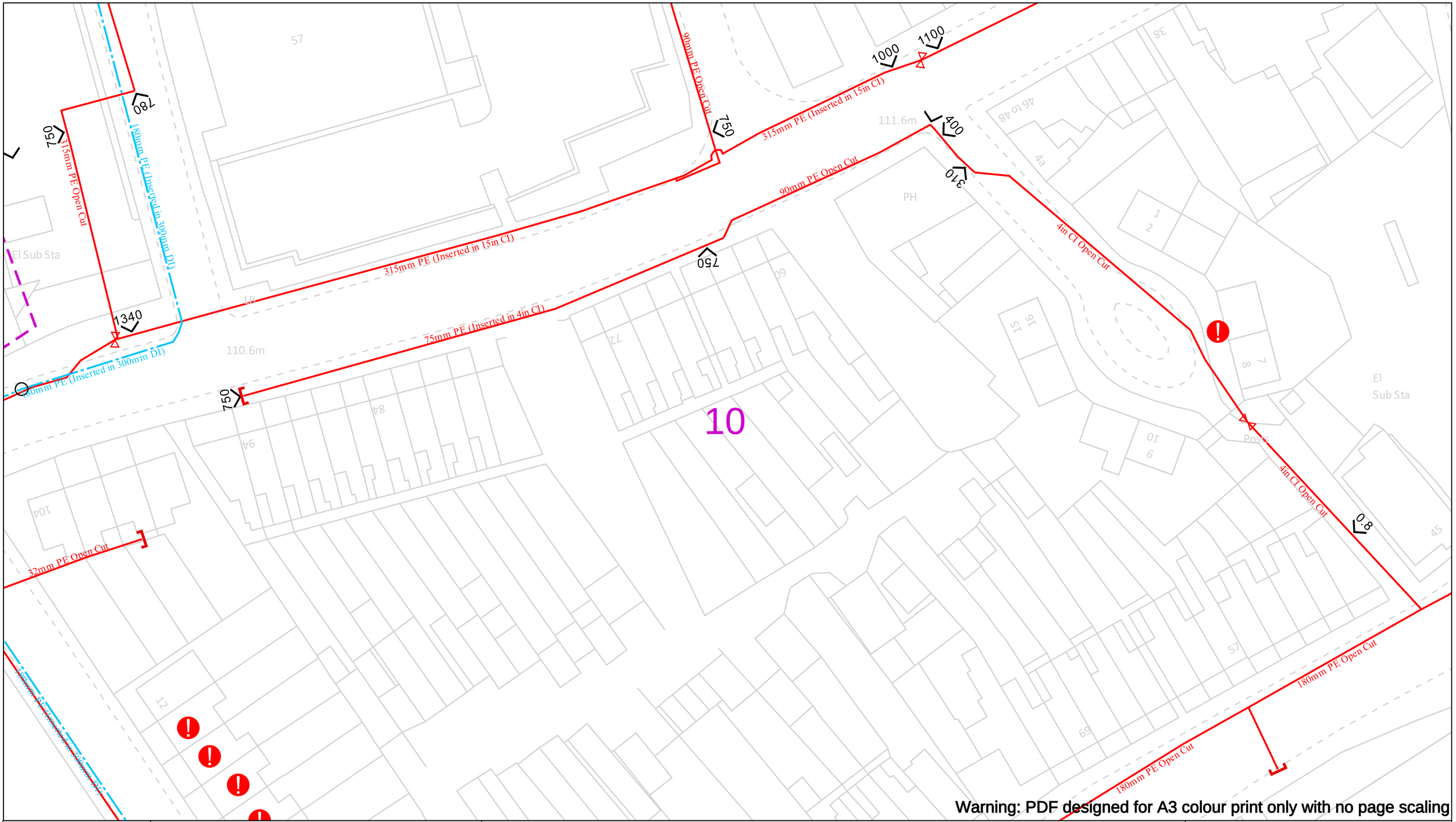

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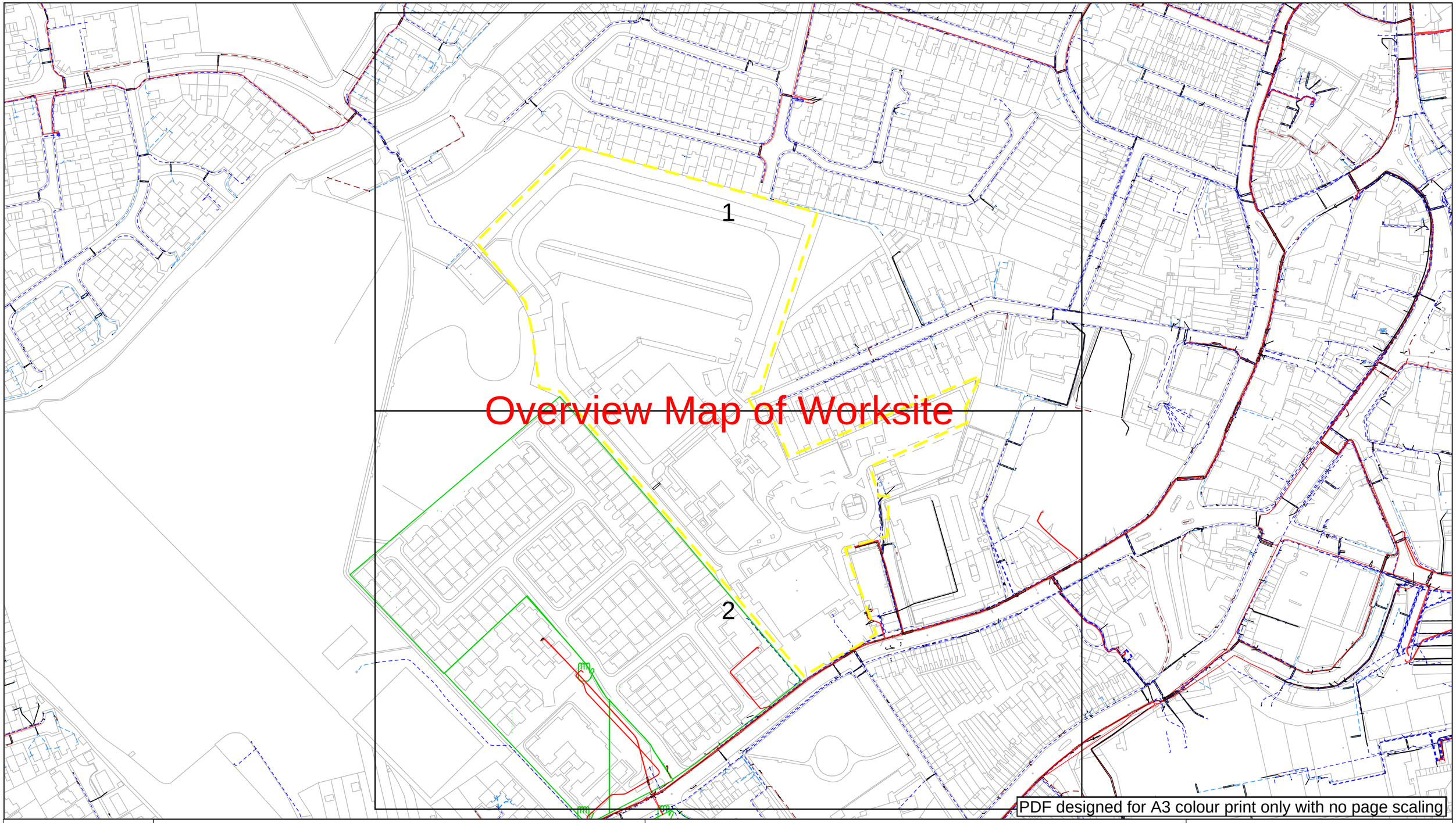

Overview Map of Worksite

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Contact Us

Mapping Enquiries: 0121 623 9780

General Enquiries: 0800 096 3080

Date Requested: 19/12/2024
Job Reference: 35764744
Site Location: 442049 293828
Requested by:
Miss Alice Bensley
Your Scheme/Reference:
00400_Hinkley

Scale: 1:2563 (When plotted at A3)

IMPORTANT NOTICES

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- Cables, overhead lines & substations owned by other electricity network owners or private companies may be present and may not be shown.
- You should always verify exact locations of cables using a cable locator and by careful use of hand tools in accordance with HSE guidance note HSG47.
- When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.
- For further advice on working near our electricity cables or lines, call our Contact Centre on 0800 096 3080.
- Advice should be sought from the National Grid Electricity Distribution Contact Centre for any work that is to take place in proximity to 66kV or 132kV underground cables and 66kV 132kV overhead lines – 0800 096 3080

Link Box

Site Location
Line/Area

Overhead Line
PL
Service
LV
HV (11kV)
HV (33kV)
HV (66kV)
HV (132kV)

Underground Cable

National Grid Telecoms
S — S

Private Cables

PME Earth

Underground Earth

Pilot Cables
P — P

Pole Mounted Transformer

Ground Mounted Transformer

Report damage immediately KEEP EVERYONE AWAY FROM THE AREA
0800 6783 105

nationalgrid Electricity Distribution

Email: NGED.MapResponse@NationalGrid.co.uk

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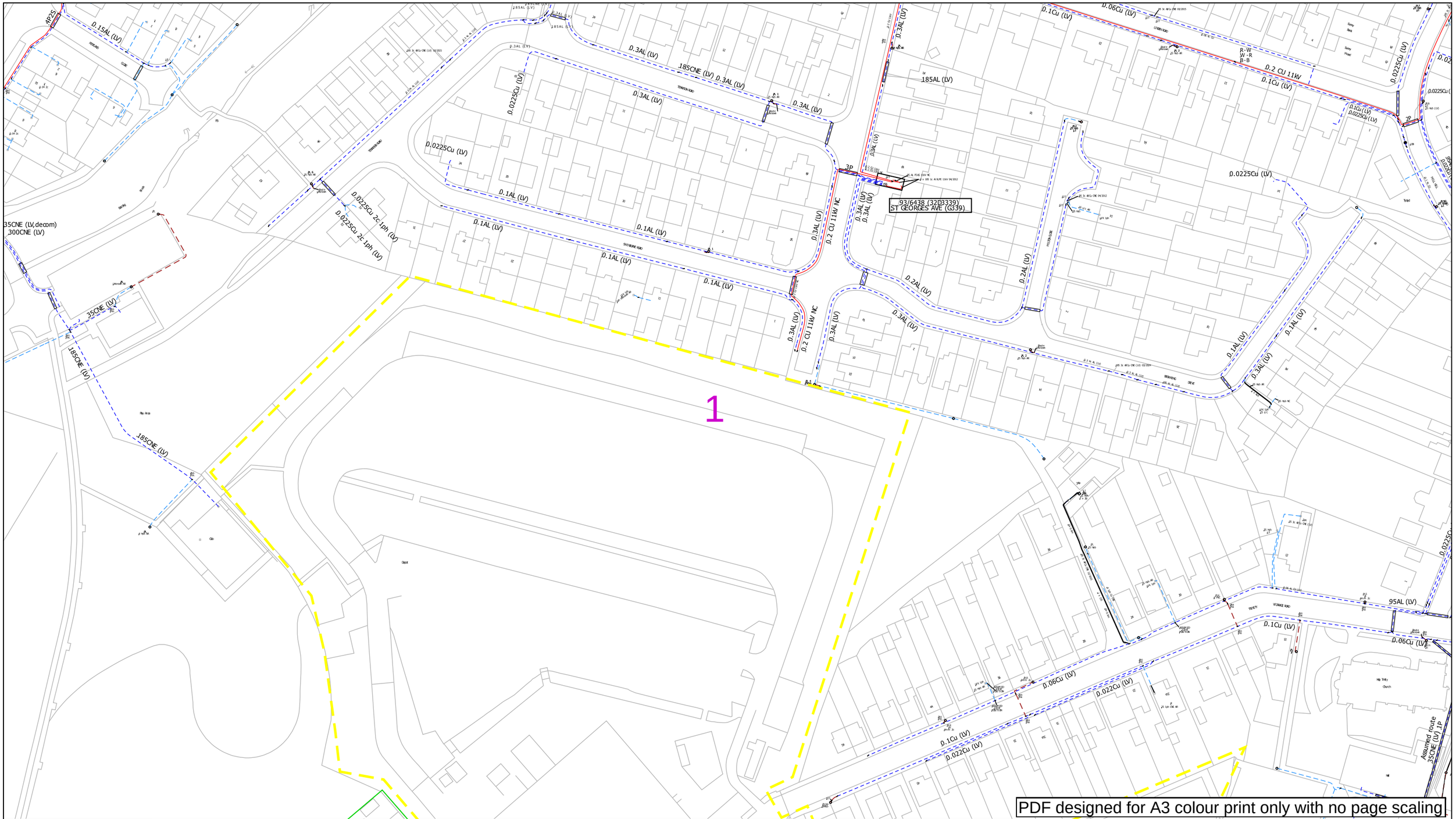

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Your Scheme/Reference:
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Scale: 1:1250 (When plotted at A3)

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0 100m

Link Box

Site Location

Line/Area

Overhead Line

- PL
- Service
- LV
- HV (11kV)
- HV (33kV)
- HV (66kV)
- HV (132kV)

Underground Cable

National Grid Telecoms

S S

Private Cables

PME Earth

Underground Earth

Pilot Cables

P P

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Ground Mounted Transformer

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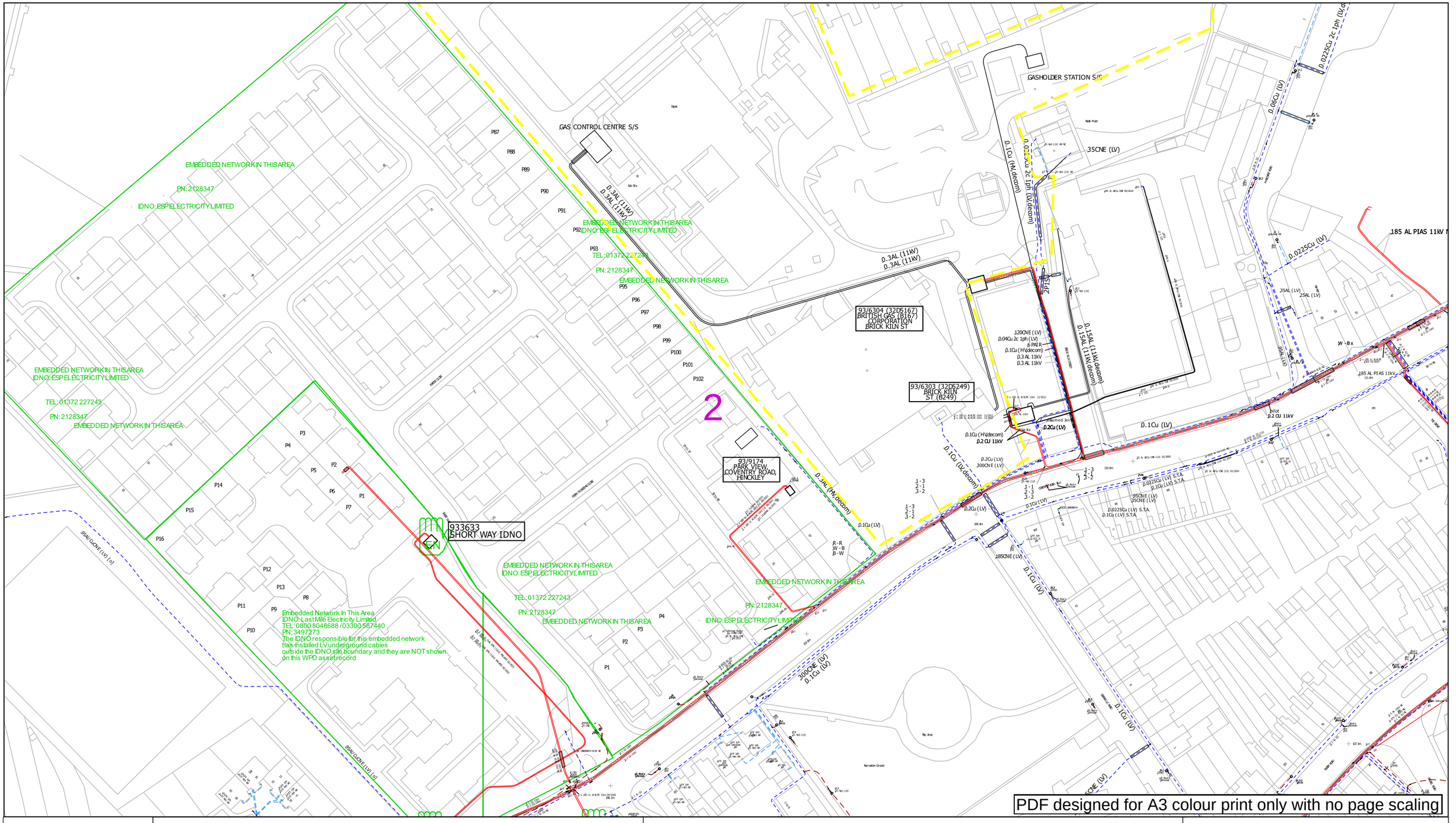

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0 100m

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Line/Area

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Service
LV
HV (11kV)
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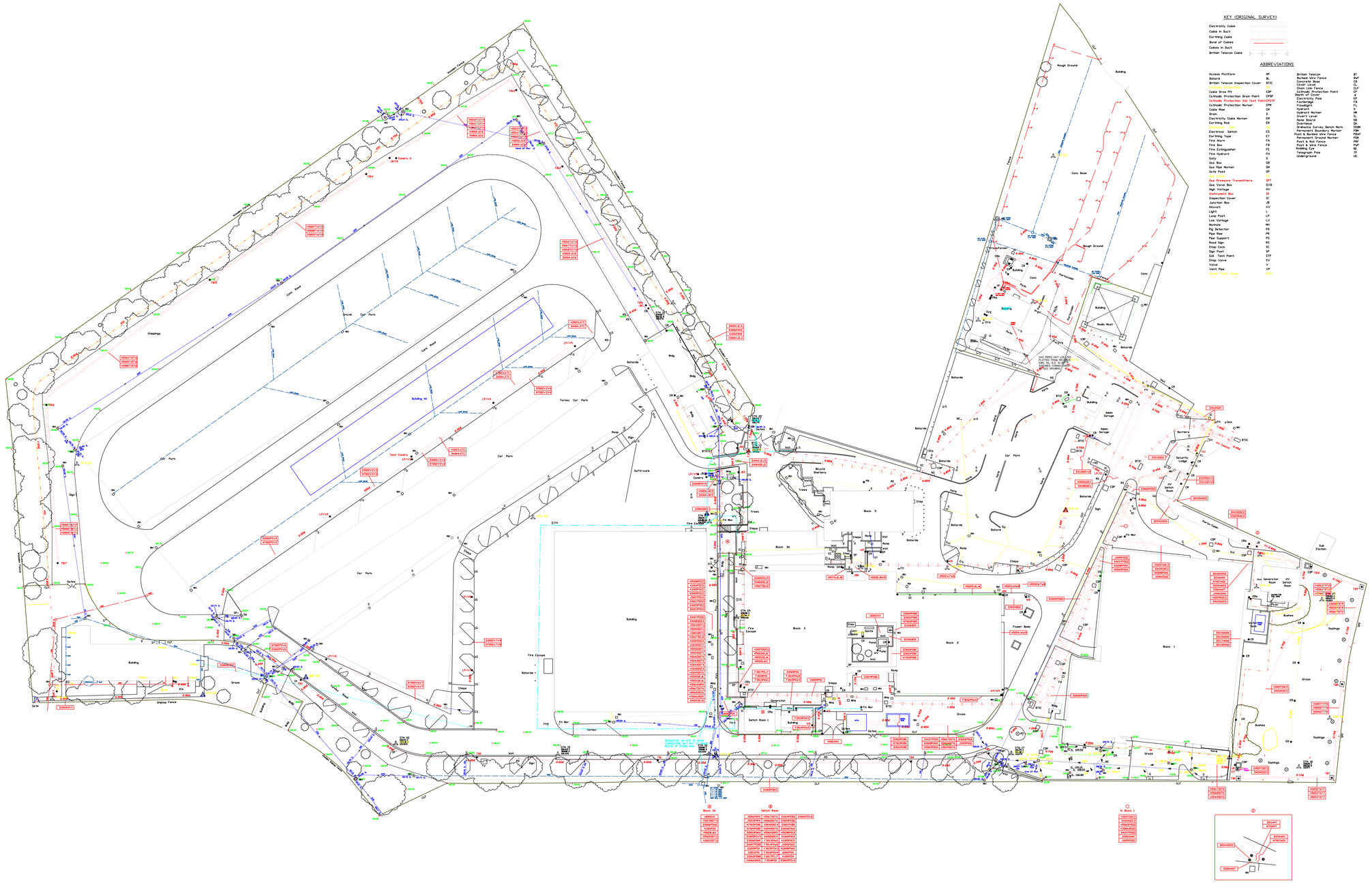

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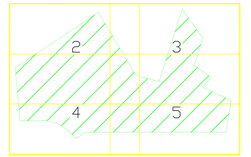
NOT TO BE MODIFIED BY HAND



SHEET LAYOUT

LEGEND (SERVICES RE-SURVEYED 31.1.00)

- GAS
- ELECTRIC
- CCTV
- FOUL WATER
- STORM WATER
- TELECOM
- WATER
- UNIDENTIFIED

NOTE:

The background map is taken from Services Survey File Name 12419.dwg.
Target Designs cannot guarantee the positional accuracy of the survey data. Whilst all reasonable care is taken to ensure that the survey is accurate, the contractor shall take responsibility for checking services location prior to commencing site works.

Rev.	Description.	Date.
A	FIRST REVISION	23.2.00

TARGET DESIGNS
HAWLEY HOUSE
HAWLEY ROAD
BLACKWATER
CAMBERLEY
SURREY. GU17 9ES
Tel: 01276 34989 & 609151
Fax: 01276 609514
E mail: do@target-designs.co.uk

CLIENT

BG plc. Property Division

PROJECT

BG PLC
Hinckley Operational Centre
Brick Kiln Lane

TITLE

Site Plan
Showing All Services

Sheet 1 0f 5

DRAWING No.	REV.
141/034-004	A

DATE	DRAWN BY
23/2/00	M.A.P.
CHECKED: N.J.	FOR TENDER / FOR APPROVAL / FOR CONST'N / AS INSTALLED
SCALE: N/A	

A0

This Plan shows only the pipes owned by E S Pipelines Ltd in its role as a licensed Gas Transporter (GT). Gas pipes owned by other GT's, and also privately owned, may be present in the area. Information with regard to such pipes should be obtained from the owners. The information shown on this plan is given without obligation, or warranty. The accuracy thereof cannot be guaranteed. All service pipes are not necessarily shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by E S Pipelines Ltd, its agents or servants, for any error or omission. Safe digging practices, as detailed in Health and Safety booklet HS(G)47 'Avoiding danger from underground services', must be used to verify and establish the actual position of mains, services and other plant on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct or contract labour) working for you on or near gas apparatus. The information on this plan should not be referred to beyond 28 days following the date of issue. (See below for date of issue)

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ESP GAS GROUP
ES Pipelines
HAZELDEAN
STATION ROAD
LEATHERHEAD
SURREY
KT22 7AA
Tel: 01372 227560 FAX: 01372 377996

Supporting Above Ground Network Pipelines

Nominal Bore (mm)	Maximum Unsupported Length (m)			
	Screwed Steel horizontal	Screwed Steel vertical	Welded Steel horizontal	Welded Steel vertical
15	2.0	2.5	2.5	3.1
20	2.5	3.1	2.5	3.1
25	2.5	3.1	3.0	3.7
32	2.7	3.3	3.0	3.7
40	3.0	3.7	3.5	4.3
50	3.0	3.7	4.0	5.0
65			4.5	5.6
80			5.5	6.8
100			6.0	7.5
150			7.0	8.7
200			8.5	10.6
250			9.0	11.2

Pipe Clips

Pipe clips used for general pipe support and which will allow movement shall be Stainless Steel Walraven BIS HD 1501 with EPDM lining or similar. Stainless steel Walraven type 670 BIS Wall Plates or similar shall be used to fix the clips to the wall. The wall plates shall be secured to the wall with M6 Rawlbolts or similar.

Pipe Jointing

Design is based on electro fused and/or butt fused internally de beaded pipe

M/P Meter/Regulator Housing - Minimum Proximity Distances

Minimum distance of meter box to any opening such as openable window, door, air brick, balanced flue, or other breach	0.18m
Minimum distance above or to the side of a meter box, to any electrical equipment such as lights, switches and power points	0.33m
Minimum distance of a relief vent tip to any opening such as openable window, door, air brick, balanced flue, or other breach	1.00m
Minimum distance of a relief vent tip to any electrical equipment such as lights, switches and power points	1.55m

Medium Pressure Services

Service Isolation valves (SIVs) and Service excess flow valves (SEFVs) should be fitted on all MP domestic services where the PID ≤6scmh (65kW). All other MP services should be provided with service isolation valves.

METER ROOM(S)

INDIVIDUAL METERS OR METERS TO BE LOCATED ON MANIFOLD(S) IN PURPOSE BUILT GROUND FLOOR/BASEMENT METER ROOM(S) MUST HAVE SECURE PERMANENTLY VENTILATED DOOR(S) OPENING DIRECTLY TO THE OUTSIDE OR INTO PERMANENTLY VENTILATED BASEMENT GARAGE AREA

METER ROOM VENTILATION

EFFECTIVE VENTILATION AREA TO BE NOT LESS THAN 2% OF THE FLOOR AREA OF ROOM (OR OF ITS NOTIONAL EQUIVALENT) OR 3% WHERE VENTILATION IS PROVIDED IN ONE WALL ONLY. ROOM TO BE SEALED FROM REST OF INTERIOR OF BUILDING

IF IN DOUBT PLEASE SEEK ADVICE.

FIGURE 1 - Recommended Positioning of Utility Apparatus in a 2 metre Footway
Taken from NJUG Publication: Volume 1: Issue 2: 02/11/2007

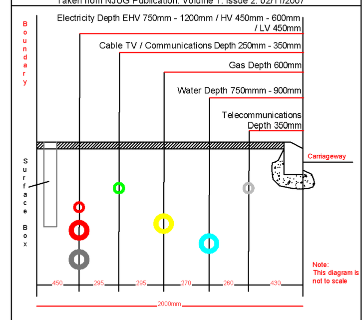
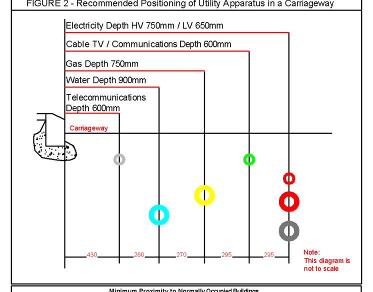


FIGURE 2 - Recommended Positioning of Utility Apparatus in a Carriageway



Minimum Proximity to Normally Occupied Buildings

Pe

Type of Main	Diameter of Main (mm)	Minimum Building Proximity Distance (m)			
		≤ 75mbar	> 75mbar - ≤2bar	>2bar - ≤5.5bar	>5.5bar - ≤7bar
Pe Non-Inserted	Up to 125	0.25	2	4	6
	126 to 355	1	2	4	6
	356 to 500	1	2	4	8
	501 to 1000	1	5	13	15
Pe Inserted	Up to 125	0.25	1	2	3
	126 to 355	0.5	1	2	3
	356 to 500	0.5	1	2	3
	501 to 1000	0.5	1	3	3

Steel

Type of Main	Wall Thickness of Main (mm)	Minimum Building Proximity Distance (m)			
		≤ 75mbar	> 75mbar - ≤2bar	>2bar - ≤5.5bar	>5.5bar - ≤7bar
Steel	Steel t ≤ 9.52	0.25	1	3	13
	Steel t > 9.52 - ≤ 11.91	0.25	1	3	6
	Steel t ≥ 11.91	0.25	1	3	3

Depth of Cover - Mains & Services	
Main (fields)	1.1m
Main (road & verge)	0.75m
Main (footpath)	0.6m
Service (road & verge)	0.45m
Service (footpath)	0.45m
Service (private land)	0.375m

Depths are for proposed & aslaid mains & services unless shown otherwise.

Gas Ducts

Gas Pipe Outside Diameter	Duct Inside Diameter
20, 25 and 32mm	50mm
63mm	100mm
90mm	150mm
125mm and 180mm	225mm
250mm	350mm
315mm	450mm

Rigid plastic ducting can be used for perpendicular road crossings only. The developer is responsible for the supply and installation of ducting. A suitable standard for plastic ducting is BS 4962. Corrugated ducting must not be used for road crossings. Gas marker tape shall be laid approximately 100mm above all services and service ducts.

LEGEND

Gas
- High Pressure Existing
- Intermediate Pressure Existing
- Medium Pressure Existing
- Low Pressure Existing
- High Pressure Proposed
- Intermediate Pressure Proposed
- Medium Pressure Proposed
- Low Pressure Proposed
- Service Proposed
- Duct
- Reducer
- Valve
- Governor
- Proposed Abandoned Services
- Point of Disconnection

All pipe fittings used on this design are to be in accordance with PL2/E,L2/E and F7/E PRI (where included in design) to IGE/TD/13 Ed 2 & GIS E34

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Gas network design by: Steve Richards BSc, I.Eng, MIGEM
GasDesign Utilities Ltd, 20 Broad Street, Whittlesey, Peterborough, PE7 1HA
www.gasdesignuk.com Tel. 01733 202914
GIRS Reg. No.: IUP 2000015/0029/001F
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Network Design:

Mains Design Pressure and Velocity

	LP			MP	
Source Pressure	25	mBar			mBar
Peak Flow	122.5	m3/hr			m3/hr
Maximum Velocity	3.51	m/s			m/s
Minimum Pressure	22	mBar	On combi test		mBar
Pressure Drop	3.00	mBar		0	mBar

Connection

Parent Main Operator	National Grid
Parent Main Dia	10"
Parent Main Material	CI
Connection	Encirclement Tee & Reducer(s)
POC Coordinates	442096, 293604
Downstream Main	125mm PE

Mains Lengths (m) and Diameters

Pe

LP		MP		IP	
63mm	538	63mm		63mm	
90mm	502	90mm		90mm	
125mm	79	125mm		125mm	
180mm		180mm		180mm	
250mm		250mm		250mm	
315mm		315mm		315mm	
355mm		355mm		355mm	

Steel

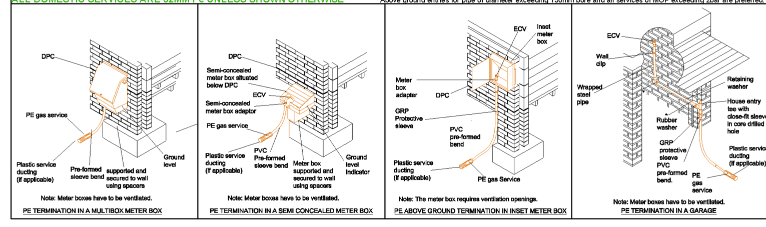
LP		MP		IP	

METER BOX POSITIONS MUST BE LOCATED NO FURTHER THAN 2.0m FROM THE FRONT OF THE BUILDING

Service Terminations

ALL DOMESTIC SERVICES ARE 32MM Pe UNLESS SHOWN OTHERWISE

Above ground entries for pipe of diameter exceeding 150mm bore and all services of MOP exceeding 2bar are preferred.



Gas Network Design Drawing

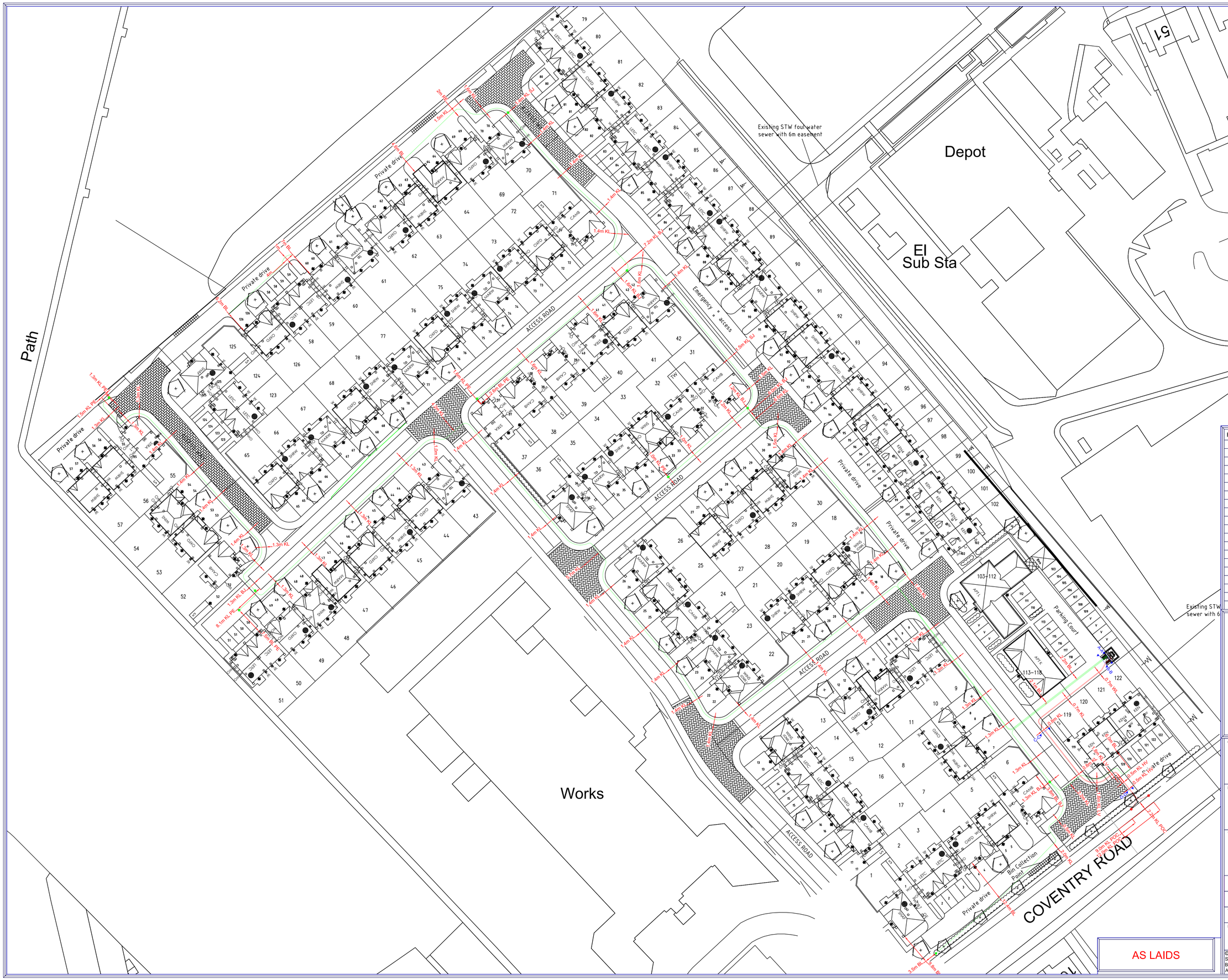
Revision	Date	Details
2	28/08/15	Redesign using new site plan with 4 additional plots.
1	06/02/15	Original Drawing

New Site (Domestic), 122 Plots, Former National Grid Depot, Coventry Road, Hinckley, Leicestershire, LE10 0NU

Client ref: DIS2231	ESP No. ESN016855

Ref: B9645646	Date: 06/02/15	Scale: 1:500@A0	Drawn By: AG

Scale U = m



AS LAIDS

REV	AMENDMENT	BY	DATE

DRAGON
INFRASTRUCTURE SOLUTIONS
12 SKETTY CLOSE, CASWELL ROAD,
BRACKMILLS INDUSTRIAL ESTATE,
NORTHAMPTON. NN4 7PL
TEL: 0845 362 0284
WWW.DRAGONIS.NET

CLIENT:
Redrow

PROJECT:
Former National Grid Depot,
Coventry Road, Hinckley.
LE10 0NU.

TITLE:
AS LAIDS DRAWING

SCALE	DRAWN	DESIGNED
1:500 @ A1	JH	
CHECKED	AUTHORISED	FIRST ISSUE DATE
		09.10.2015

TO BE READ IN CONJUNCTION WITH

DRAWING NO: DIS2231-AS LAIDS-1
REV *

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GUIDE TO CONTRACTORS UNDERTAKING EXCAVATIONS IN THE VICINITY OF ZAYO PLANT

1. Prior to commencing any work or moving heavy plant or equipment over any portion of the site, the Contractor shall confirm details of the location of the Zayo apparatus by contacting and requesting utility drawings from LinesearchbeforeUdig

   All Enquirers should register free of charge for the Zayo plant enquiry service at LinesearchbeforeUdig http://www.linesearchbeforeudig.co.uk/

   Or follow the direct link to register at http://onecall.linesearchbeforeudig.co.uk/RegisterNewUser and start your search there.

   If you have any queries or wish to speak to a member of the JSM Plant Protection Team please call 01992 655 919.

   The accuracy of information on the plans cannot be guaranteed and no liability can be accepted for errors or omissions.

2. Where the utility drawings show that the works or the movement of plant or equipment may endanger the Zayo Apparatus the Contractor must mark out the location of the Zayo Apparatus and ensure the apparatus is adequately protected from damage.

3. The contractor should note that damage to Zayo's Fibre-optic network is extremely disruptive and costly to reinstate. The Contractor shall make every effort to avoid the disturbance of Zayo's apparatus for the completion of the work.

4. When excavating, moving or backfilling around Zayo's apparatus The Contractor should note that the normal depth of cover for Zayo ducts are as follows:

   - Carriageway 600mm
   - Footway 350mm
   - Verge 350mm

5. With regard to excavation in the vicinity of Zayo's apparatus the Contractor should be aware of the possibility of reduced cover and the possibility of encountering Zayo apparatus at depths of cover less than that given above.

6. All excavation adjacent to Zayo apparatus is to be carried out by hand until the exact extent and/or location of the Zayo apparatus is known. Use spades and shovels in preference to other tools.

7. Do NOT use Mechanical borers and/or excavators within 0.5m of Zayo Apparatus.

8. To prevent any movement of Zayo apparatus during excavations, complete shuttering shall be used if:

   - The excavation is deeper than the depth of cover of the adjacent Zayo apparatus.
   - The excavation is within 1.0m of Zayo apparatus in stable ground.
   - The excavation is within 5.0m of Zayo apparatus in unstable ground.

9. If for the completion of the works the Contractor intends using any of the following:

   - Pile driving equipment within 10.0m of Company Apparatus.
   - Explosives within 20.0m of Company Apparatus.

   Then the Contractor shall advise the Zayo Plant Protection Centre giving a minimum 10 working days written notice.

10. All Zayo manhole, joint box and /or other access points and chambers within the site shall be kept clear and unobstructed at all times to allow access by Zayo and /or their Contractor to carryout maintenance on the network. The Contractor should particularly note that footway type jointing chambers are not specified for carriageway loadings and will need to be adequately protected and/or demolished and rebuilt by Zayo where such chambers are likely to be placed at risk, either temporarily or permanently, from the movement of plant and/or equipment on the site.

11. The covers to Zayo chambers and/or apparatus shall only be lifted by means of appropriate manhole keys under the direct supervision of a Zayo Representative. No employee of the Contractor or of any sub-contractor employed by the Contractor shall enter any Zayo chamber and/or apparatus unless under the supervision of a Zayo Representative.

12. In the event of any damage whatsoever to Zayo apparatus, the Contractor shall immediately report the incidence to Zayo by contacting Zayo as follows:

    Telephone: 0800 169 1646 (Zayo 24Hr Network Operations Centre)

Damage to Communications Plant is Expensive – Please Take Care

Please note these basic safety details are explained in detail in the HSE booklet HS(G)47 – Avoiding Danger from Underground Services.

PRECAUTIONS TO BE TAKEN WHEN CARRYING OUT WORK IN THE VICINITY OF ELECTRICITY CABLES

ADVICE TO SITE PERSONNEL

MANAGEMENT NOTE

Please ensure that a copy of this note is read by your site management and to your site operatives.

Early consultation with ESP Utilities Group prior to excavation is recommended to obtain the location of plant and precautions to be taken when working nearby.

This Guidance Note should be read in conjunction with the Health and Safety Executive guidance HSG47 "Avoiding danger from underground services".

1.0 Introduction

This procedure should be read in conjunction with the ESP Electricity Distribution Safety Rules and other relevant procedures.
The object of this procedure is:

a) To lay down the rules for the location of cable before work is started.

b) To specify the safe working procedure to be adopted by persons who have to work on or in the vicinity of cables.

2.0 Reference

ESP Electricity G81 – Design and Planning
ESP Electricity G81 – Installation and Records
National Joint Utilities Group (NJUG) Guidance Notes
Avoiding danger from underground services HSG47 HSE Advice Booklet.

3.0 Work

3.1 All cables and apparatus to which the cables are connected shall be treated as being live, until they have been proved dead and all points of isolation have been establish and controlled.

3.2 All work carried out under this procedure shall also be carried out in strict accordance with the ESP Electricity Distribution Safety Rules and other relevant procedures.

3.3 For the purpose of this procedure:

a) Work on a cable includes the intentional cutting or removal of its Sheath or Armour, cutting of its core(s) or conductor(s) and the removal of a spiking gun.

b) Work in the vicinity of a cable includes digging or any activity carried out at any work location where cables are or may be present, whether or not for the specific purpose of preparation for work on a cable.

4.0 Cable Locating Devices

4.1 An approved cable locating device is to be used on every occasion before any surface is removed or any digging is started. It must also be used during the course of any digging work.

4.2 Cable location devices provide information on the position of cables. They must not be used as the only means of cable location.

4.3 Cable locating devices must be regularly checked for correct operation.

All persons using cable locating devices must be adequately trained in their use and must be Competent Persons.

5.0 Location of Cables

5.1 The depth of underground cables varies greatly. It is essential that a site specific risk assessment is undertaken for the proposed work you are planning this must include obtaining an up-to-date map of the electricity cables in the area and to make use of it. The electricity cable records must be checked before any work is started. Changes in surface level or reference points, and work carried out by other people may affect the reliability of these records. Anybody excavating must be told of these possibilities.

5.2 Before the start of any excavation work, a cable locating device shall be used to establish the run of live cables. Reasonable steps should be taken to establish the runs of cables both along and across the length of the intended area of digging. The cable avoidance tool shall be used together with mains records and where provided, service records.

5.3 All cable runs either confirmed by use of the cable locating device or indicated on the mains records must be marked out on the surface using a waterproof marker. Marked cable runs must be extended 300mm beyond either end or side of the intended digging area, and must stay visible while the digging is going on. The trial hole dig method can be used to identify the run of cables using hand dig tools only.

6.0 Precautions to be Taken while Working in Vicinity of Cables

6.1 Work in the vicinity of cables must be carried out as if the cables are live and all excavation work must be personally supervised by a Competent Person. All persons shall wear a minimum of safety footwear, Safety Glasses, hard hat, Task Specific Gloves flame retardant overalls.

6.2 Approved hand tools should always be used in preference to power tools in the vicinity of cables, unless site conditions make this impracticable. Spades should always be used in preference to forks. Extreme care must always be taken when using a fork or pick. Forks must be of approved type with shortened chisel ended tines. Spades must have sharp corners of the blade rounded. The selection of a fork or pick will be assessed on a Task Specific Risk Assessment.

6.3 A proprietary air digging tool, which removes oil with a high-velocity jet of air, can be used to expose buried services without damage to the service. However, it will not penetrate asphalt, concrete or frozen ground. Also precautions need to be taken that will prevent injury to the operator and members of the public from ejected soil and other materials.

6.4 When site conditions require the use of hand held power tools they must be fitted with a short bit. The following method of work must be used:

a) Using all the information provided, together with an approved cable locating device, the line of all know cables must be marked out at least 300mm past the hole that will be dug using waterproof marker.

b) Encroachment lines must be drawn 300mm parallel to and away from the outer and innermost cable marker lines. And as in (a) above these must be drawn to extend at least 300mm beyond the edge of the hole that will be dug.

c) Hand held power tools must not be used below ground level in between the encroachment lines. Hand tools must be used for progressive and careful undermining from outside the encroachment lines towards the cable(s). Hand power tools must only be used to break up any hard surface, keeping pace with, but not going past the undermining. Extreme care must, in particular, be exercised when using power tools above cables already exposed by undermining. The use of power tools must stop if at any time the cutting rate quickens, indicating softer ground. At all times, attention must be paid to the cable run marker lines outside the edges of the holes.

d) The safe digging procedure in (c) above must be followed until all cable(s) required for work or for identification have been located.

e) If all recorded or detected cables inside the digging area have been located then hand held power tools may be used below ground level to break up concrete or similar structures, but even then only when site conditions render the use of hand tools impractical.

6.5 During excavation, full use must be made of cable locating devices which must be used to assist in establishing the exact location of live cables.

6.6 Where exposed cables are likely to be damaged in any way they shall be adequately protected and/or supported. Where in the opinion of the person in charge on site it is appropriate, warning notices must be attached to cables e.g. ‘live cable exposed above ground level’ or ‘live coiled cables’.

6.7 Irrespective of the color of the electricity cable it shall be considered as being in a ‘live’ status unless it has been confirmed and proven that the cable has been physically isolated or turned off.

If damage is caused or suspected the following action should be taken at once:

- Remove all personnel from the immediate vicinity
- Contact ESP Electricity 01372 587500 or out of hours Emergency contact Number 0800 731 6945
- Prevent any approach by the public.
- Assist electricity personnel, Police or Fire Service as requested.

REMEMBER – IF IN DOUBT; SEEK ADVICE FROM ESP Utilities Group.

ESP Utilities Group can be contacted at:

Office Address: Bluebird House, Mole Business Park, Leatherhead, Surrey, KT22 7BA

Office Tel: 01372 587 500**; Fax:** 01372 377996

PRECAUTIONS TO BE TAKEN WHEN CARRYING OUT WORK IN THE VICINITY OF UNDERGROUND GAS PIPES

ADVICE TO SITE PERSONNEL

MANAGEMENT NOTE

Please ensure that a copy of this note is read by your site management and to your site operatives.

Early consultation with ESP Utilities Group prior to excavation is recommended to obtain the location of plant and precautions to be taken when working nearby.

This Guidance Note should be read in conjunction with the Health and Safety Executive guidance HSG47 "Avoiding danger from underground services".

Introduction

Damage to ESP Utilities Group's plant can result in uncontrolled gas escapes which may be dangerous. In addition these occurrences can cause expense, disruption of work and inconvenience to the public.

Various materials are used for gas mains and services. Cast Iron, Ductile Iron, Steel and Plastic pipes are the most widely found. Modern Plastic pipes are either bright yellow or orange in colour.

Cast Iron and Ductile Iron water pipes are very similar in appearance to Cast Iron and Ductile Iron gas pipes and if any Cast Iron or Ductile Iron pipe is uncovered, it should be treated as a gas pipe. ESP Utilities Group do not own any metallic gas pipes but their gas network infrastructures may be connected to Cast Iron, Ductile Iron or Steel pipes owned by Distribution Network Operators.

The following general precautions apply to Intermediate Pressure (2-7barg MOP), Medium Pressure (75mbarg-2barg MOP), Low Pressure (up to 75mbarg MOP) and other gas mains and services likely to be encountered in general site works and are referred to within this document as '**pipes**'.

Locating Gas Pipes

It should be assumed when working in urban and residential areas that gas mains and services are likely to be present. On request, ESP Utilities Group will give approximate locations of pipes derived from their records. The records do not normally show the position of service pipes but their probable line can be deducted from the gas meter position. ESP Utilities Group's staff will be pleased to assist in the location of gas plant and provide advice on any precautions that may be required. The records and advice are given in good faith but cannot be guaranteed until hand excavation has taken place. Proprietary pipe and cable locators are available although generally these will not locate plastic pipes.

Safe working Practices

To achieve safe working conditions adjacent to gas plant the following must be observed:

Observe any specific request made by ESP Utilities Group's staff.

Gas pipes must be located by hand digging before mechanical excavation. Once a gas pipe has been located, mechanical excavation must proceed **with care**. A mechanical excavator must not in any case be used within 0.5 metre of a gas pipe and greater safety distances may be advised by ESP Utilities Group depending on the mains maximum operating pressure (MOP).

Where heavy plant may have to cross the line of a gas pipe during construction work, the number of crossing points should be kept to a minimum. Crossing points should be clearly indicated and crossings at other places along the line of the pipe should be prevented.

Where the pipe is not adequately protected by an existing road, crossing points should be suitably reinforced with sleepers, steel plates or a specially constructed reinforced concrete raft as necessary. ESP Utilities Group staff will advise on the type of reinforcement necessary.

No explosives should be used within 30 metres of any gas pipe without prior consultation with ESP Utilities Group.

ESP Utilities Group must be consulted prior to carrying out excavation work within 10 metres of any above ground gas installation.

Where it is proposed to carry out piling or boring within 15 metres of any gas pipe, ESP Utilities Group should be consulted prior to the commencement of the works.

Access to gas plant must be maintained at all times during on site works.

Proximity of Other Plant

A minimum clearance of 300 millimetres (mm) should be allowed between any plant being installed and an existing gas main to facilitate repair, whether the adjacent plant be parallel to or crossing the gas pipe. No apparatus should be laid over and along the line of a gas pipe irrespective of clearance.

No manhole or chambers shall be built over or around a gas pipe and no work should be carried out which results in a reduction of cover or protection over a pipe, without consultation with ESP Utilities Group.

Support and Backfill

Where excavation of trenches adjacent to any pipe affects its support, the pipe must be supported to the satisfaction of ESP Utilities Group and must not be used as an anchor or support in any way. In some cases, it may be necessary to divert the gas pipe before work commences.

Where a trench is excavated crossing or parallel to the line of the gas pipe, the backfill should be adequately compacted, particularly beneath the pipe, to prevent any settlement which could subsequently cause damage to the pipe.

In special cases it may be necessary to provide permanent support to the gas pipe, before backfilling and reinstatement is carried out. Backfill material adjacent to gas plant must be selected fine material or sand, containing no stones, bricks or lumps of concrete, etc., placed to a minimum depth of 150mm around the pipes and well compacted by hand. No power compaction should take place until 300mm of selected fine fill has been suitably compacted.

If the road construction is in close proximity to the top of the gas pipe, a "cushion" of selected fine material such as sand must be used to prevent the traffic shock being transmitted to the gas pipe. The road construction depth must not be reduced without permission from the local Highway Authority.

No concrete or other hard material must be placed or left under or adjacent to any Cast Iron pipe as this may cause fracture of the pipe at a later date.

Concrete backfill should not be used closer than 300 mm to the pipe.

Damage to Coating

Where a gas pipe is coated with special wrapping and this is damaged, even to a minor extent ESP Utilities Group must be notified so that repairs can be made to prevent future corrosion and subsequent leakage.

Welding or "Hot Works"

When welding or other "hot works" involving naked flames are to be carried out in close proximity to gas plant and the presence of gas is suspected, ESP Utilities Group must be contacted before work commences to check the atmosphere. Even when a gas free atmosphere exists care must be taken when carrying out hot works in close proximity to gas plant in order to ensure that no damage occurs.

Particular care must be taken to avoid damage by heat or naked flame to plastic gas pipes or to the protective coating on other gas pipes.

Leakage from Gas Mains or Services

If damage or leakage is caused or an escape of gas is smelt or suspected the following action should be taken at once:

- Remove all personnel from the immediate vicinity of the escape;
- Contact the National Gas Emergency Service on: **0800 111 999**;
- Prevent any approach by the public, prohibit smoking, extinguish all naked flames or other source of ignition for at least 15 metres from the leakage;
- Assist gas personnel, Police or Fire Service as requested.

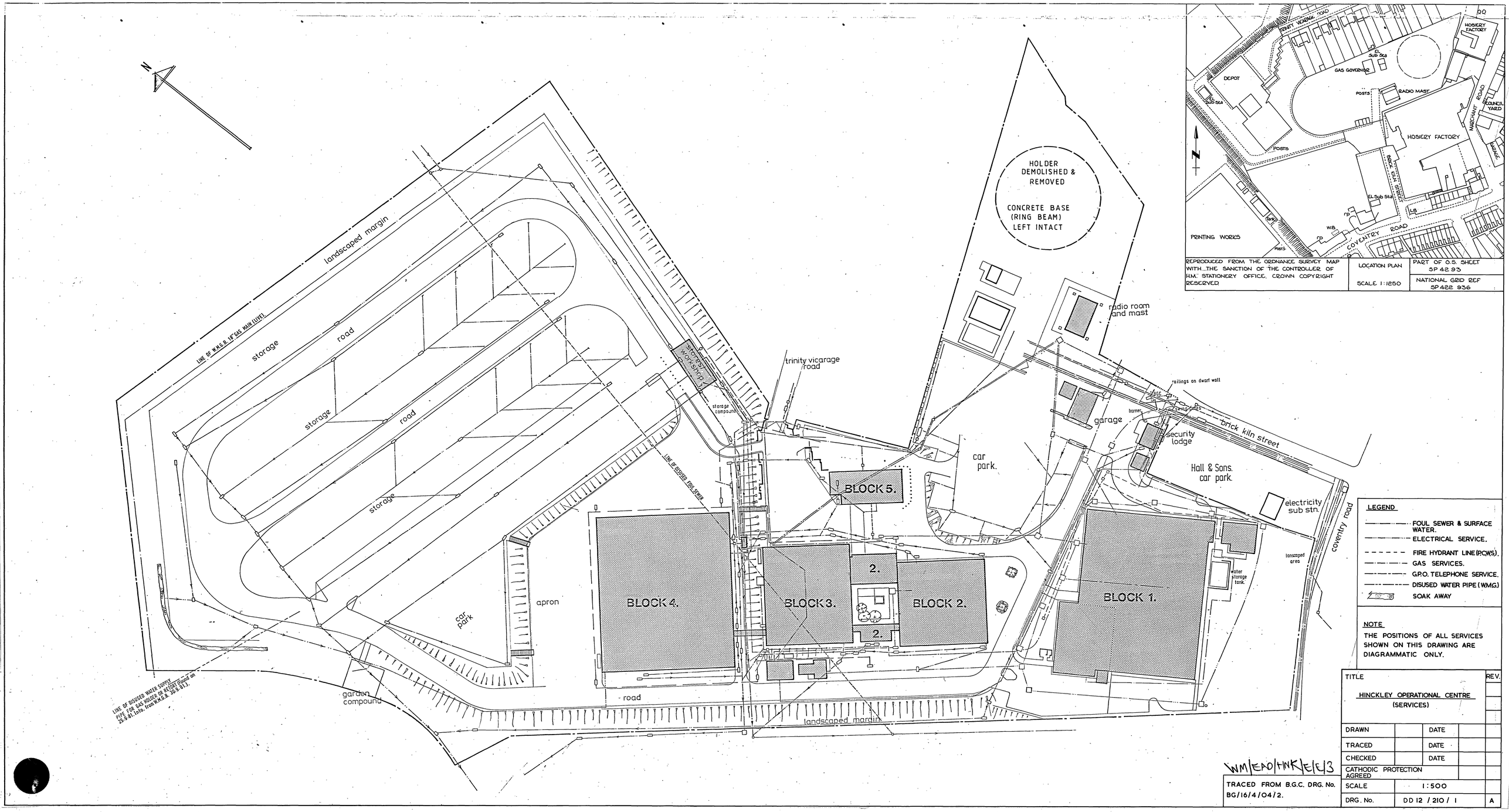
REMEMBER - IF IN DOUBT; SEEK ADVICE FROM ESP UTILITIES GROUP.

ESP Utilities Group can be contacted at:

Office Address: Bluebird House, Mole Business Park, Leatherhead, Surrey, KT22 7BA

Office Tel: 01372 587 500**; Fax:** 01372 377 996

DD 12/210/1A HINCKLEY OPERATIONAL CENTRE (SERVICES)



REPRODUCED FROM THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED.

LOCATION PLAN

SCALE 1:1250

PART OF O.S. SHEET SP 42 93

NATIONAL GRID REF SP 422 936

LEGEND

- FOUL SEWER & SURFACE WATER.
- ELECTRICAL SERVICE.
- FIRE HYDRANT LINE (P.C.W.S.).
- GAS SERVICES.
- G.P.O. TELEPHONE SERVICE.
- DISUSED WATER PIPE (W.M.G.)
- SOAK AWAY

NOTE

THE POSITIONS OF ALL SERVICES SHOWN ON THIS DRAWING ARE DIAGRAMMATIC ONLY.

TITLE			REV.
HINCKLEY OPERATIONAL CENTRE (SERVICES)			
DRAWN		DATE	
TRACED		DATE	
CHECKED		DATE	
CATHODIC PROTECTION AGREED			
SCALE	1:500		
DRG. No.	DD 12 / 210 / 1		A

WM/EAO/HNK/E/E/3

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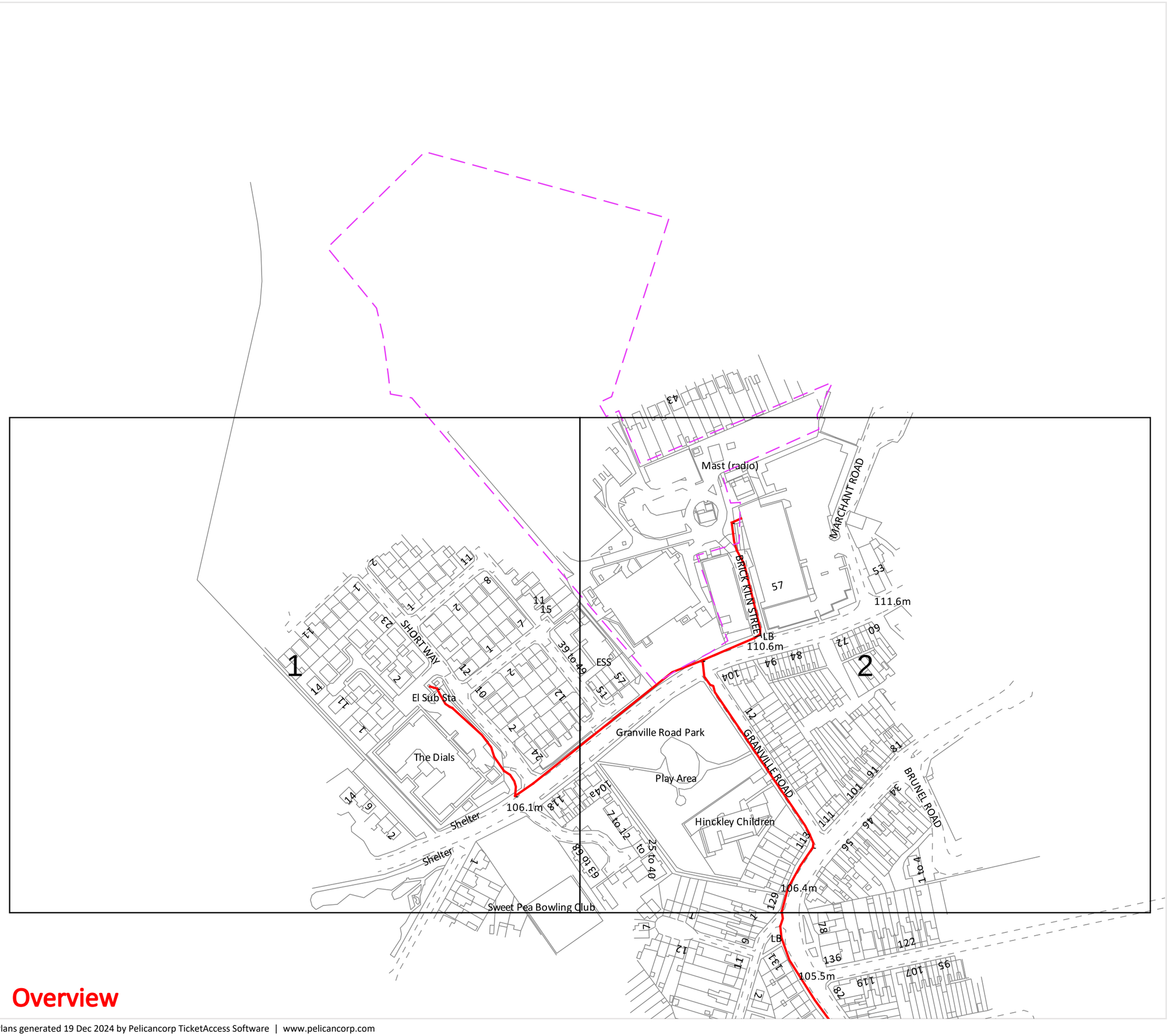

Overview

Zayo Group UK Ltd
4th Floor Harmsworth House
13-15 Bouverie Street
London, EC4Y 8DP

JSM Group Ltd
Sterling House
Mutton Lane, Potters Bar
Hertfordshre, EN6 3AR
T: 01992 655 919
zayoplantenquiries@jsmgroup.com

Legend

- Zayo Duct
- Zayo Chamber
- Enquiry Area

Date requested: 19 Dec 2024
Requested by: Miss Alice Bensley
Company: Worley
Job reference: 35764744
Your reference: 00400_Hinkley

Scale on A3 paper: 1:2563

Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed.

N

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Protecting Lives, Cables & Pipes

In Emergency Only and if Zayo Plant or Cables damaged call: 0800 169 1646

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Zayo Group UK Ltd
4th Floor Harmsworth House
13-15 Bouverie Street
London, EC4Y 8DP

JSM Group Ltd
Sterling House
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- Zayo Duct
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- Enquiry Area

Date requested: 19 Dec 2024
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Company: Worley
Job reference: 35764744
Your reference: 00400_Hinkley

Scale on A3 paper: 1:1250

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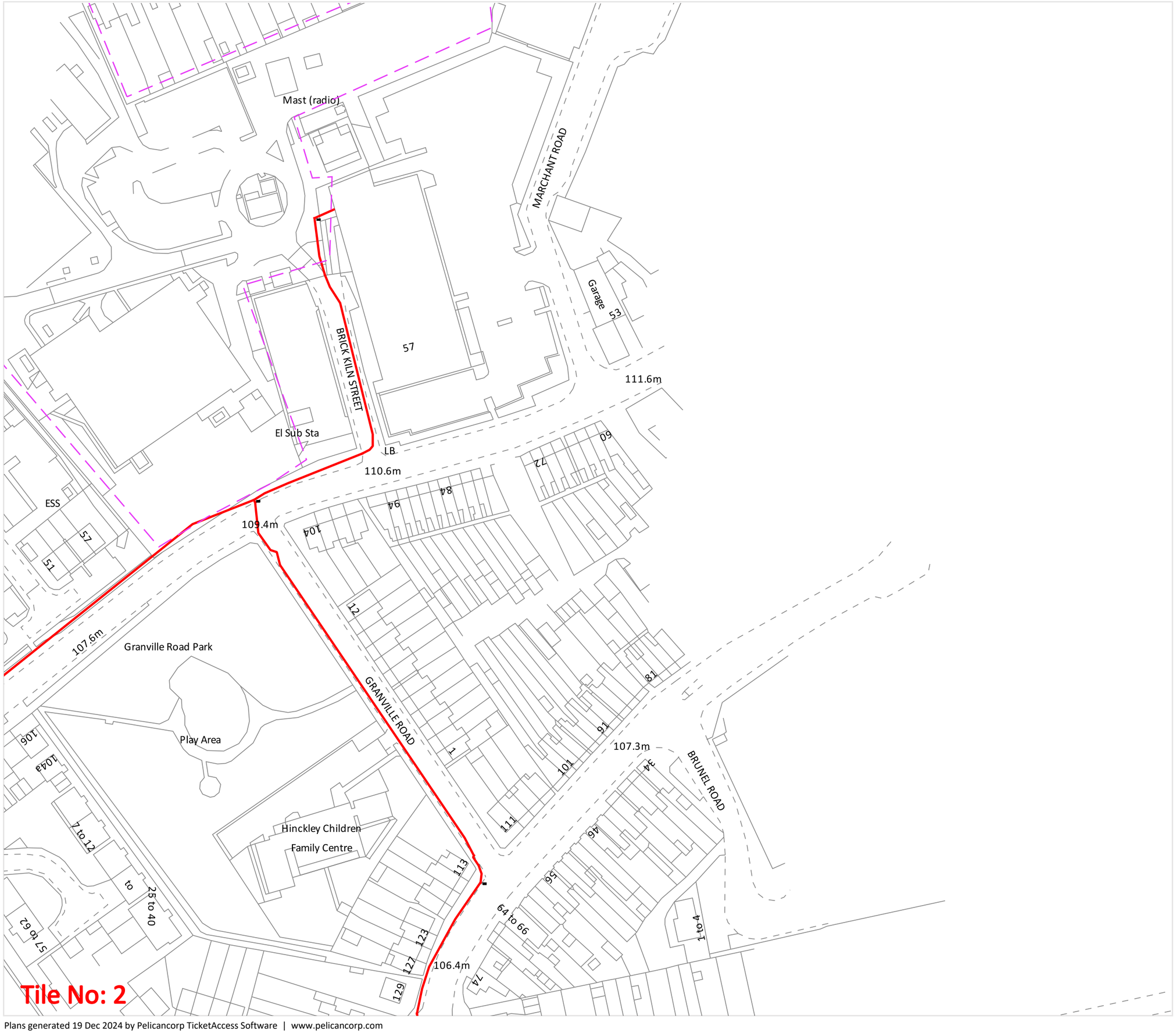
Tile No: 1



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Protecting Lives, Cables & Pipes

In Emergency Only and if Zayo Plant or Cables damaged call: 0800 169 1646

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Enquiry Confirmation

LSBUD Ref: 35764744

Date of enquiry: 19/12/2024
Time of enquiry: 12:18

Enquirer

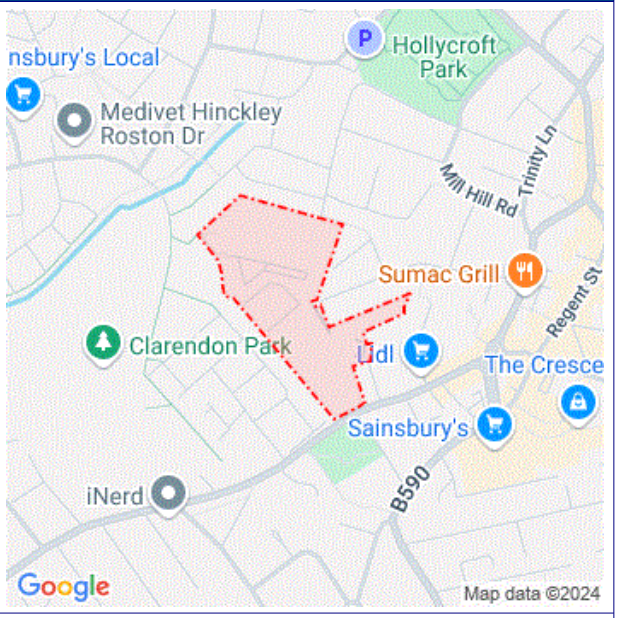
Name	Miss Alice Bensley	Phone	07774334862
Company	Worley	Mobile	Not Supplied
Address	Advisian The Quorum Bristol Avon BS1 3AE		
Email	alice.bensley@worley.com		

Enquiry Details

Enquiry type	Planned Works
Work category	Excavations Non Utility
Work type	Multiple excavations site (deeper than 1.5m)
Work type buffer*	50 metres
Start date	20/01/2025
End date	14/02/2025
Scheme/Reference	00400_Hinkley
Search location	Brick Kiln St Hinckley
Confirmed location	442049 293828
Site size	57168 metres square
Site Contact Name	Leanne Carr
Site Phone No.	07386652446
Description of Works	Intrusive Site Investigation

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map



Please note that the above map only displays the location of the proposed work site and will not display any of the Members' pipes and cables. It is imperative that this area accurately reflects the proposed work site.

Affected LSBUD members

(LSBUD Members who have assets registered on LSBUD within the vicinity of your search area.)

Do not proceed until all Members listed below have confirmed that your works can continue.

Asset Owner	Phone/Email	Emergency Only	Status
Cadent Gas	0800688588	0800111999	Await response
ESP Utilities Group	01372227560	01372227560	Await response
National Grid Electricity Distribution	08000963080	08006783105	Await response
Zayo Group UK Ltd c/o JSM Group Ltd	01992 655 919	0800 169 1646	Await response

Status explanation

Await Response means that the asset owner will contact you. This is typically by sending the plan response but they may ask for further information before being able to do so, particularly if any payments or authorisations are required.

Email Additional Info means that the asset owner needs further information about your works to assess your enquiry before providing a response. Please provide any details you have available including plans, method statements etc. if available.

Enquiry Confirmation
LSBUD Ref: 35764744

Date of enquiry: 19/12/2024
Time of enquiry: 12:18

Important notices

It is very important that you correctly understand what the service does and the procedures in order for you to work safely. Please refer to the LSBUD Support Page (www.lsbud.co.uk/linesearchbeforeudig-support) for further guidance.
This information includes how to provide additional information to the LSBUD Members who request it to provide a response to your enquiry.
Validity and search criteria. The results of this enquiry are based on the confirmed information you entered and are valid only as at the date and time of the enquiry. It is your responsibility to ensure that the Enquiry Details are correct, and LinesearchbeforeUdig (LSBUD) accepts no responsibility for any errors or omissions in the Enquiry Details or any consequences thereof. LSBUD Members update their asset information on a regular basis so you are advised to consider this when undertaking any works. It is your responsibility to choose the period of time after which you need to resubmit any enquiry but the maximum time (after which your enquiry will no longer be dealt with by the LSBUD Helpdesk and LSBUD Members) is 28 days. If any details of the enquiry change, particularly including, but not limited to, the location of the work, then a further enquiry must be made.
Terms and Conditions. Please note that this enquiry is subject always to our standard terms and conditions available at www.lsbud.co.uk ("Terms of Use") and the disclaimer at the end of this document. Please note that in the event of any conflict or ambiguity between the terms of this Enquiry Confirmation and the Terms of Use, the Terms of Use shall take precedence.

List of not affected LSBUD members
(LSBUD Members who do not have assets registered on the LSBUD service within the vicinity of your search area.)

AllPoints Fibre	Angus Energy	AWE Pipeline
B & D Energy Limited	Balfour Beatty Investments Limited	BOC Limited (A Member of the Linde Group)
Box Broadband	BP Exploration Operating Company Limited	BPA
Cambridge Water	Cambridgeshire County Council Climate Change and Energy Services	CATS Pipeline c/o Wood Group PSN
Cemex	Centrica Storage Ltd	CNG Services Ltd
Concept Solutions People Ltd	ConocoPhillips (UK) Teesside Operator Ltd	D.S.Smith
Diamond Transmission Corporation	DIO (MOD Live Pipelines)	Drax Power Limited
EDF Energy Renewables Ltd	EET Fuels	EirGrid
Eleclink Limited	Electricity North West Limited	Energy Assets Networks
ENI & Himor c/o Penspen Ltd	EnQuest NNS Limited	EP Langage Limited
ESB CCGT Power station (Carrington Gas Pipeline)	Esso Petroleum Company Limited	euNetworks Fiber UK Ltd
EXA Infrastructure	Exolum Pipeline System	Fulcrum Electricity Assets Limited
Fulcrum Pipelines Limited	G.Network Communication Ltd c/o JSM Group Ltd	Gamma
Gas Networks Ireland (UK)	Gateshead Energy Company	Gigaclear Ltd
Greenlink Interconnector Ltd	Harbour Energy	Heathrow Airport LTD
Humbly Grove Energy	IGas Energy	INEOS FPS Pipelines
INEOS Manufacturing (Scotland and TSEP)	INOVYN ChlorVinyls Limited	INOVYN Enterprises Limited
Intergen (Coryton Energy or Spalding Energy)	Kensa Utilities	Last Mile
Liverpool City Region Connect	Mainline Pipelines Limited	Manchester Jetline Limited
Manx Cable Company	Marchwood Power Ltd (Gas Pipeline)	Melbourn Solar Limited
MUA Group Limited	National Gas Transmission	National Grid Electricity Transmission
National Grid Ventures	Neos Networks	Northern Gas Networks Limited
Northumbrian Water Group	NPower CHP Pipelines	NTT Global Data Centers EMEA UK Ltd
NYnet Ltd	Ogi	Oikos Storage Limited
Ørsted	Palm Paper Ltd	Perenco UK Limited (Purbeck Southampton Pipeline)
Petroineos	Phillips 66	Portsmouth Water
Premier Transmission Ltd (SNIP)	Redundant Pipelines - LPDA	RWE - Great Yarmouth Pipeline (Bacton to Great Yarmouth Power Station)
RWEnpower (Little Barford and South Haven)	SABIC UK Petrochemicals	SAS Utility Services Ltd
Scottish and Southern Electricity Networks	Scottish Power Generation	Seabank Power Ltd
SES Water	SGN	Shell
Shell NOP	South Staffs Water	SP Energy Networks

Enquiry Confirmation
LSBUD Ref: 35764744

Date of enquiry: 19/12/2024
Time of enquiry: 12:18

Spring Fibre Limited	Squire Energy Networks	SSE Generation Ltd
SSE Transmission	SSE Utility Solutions Limited	Storengy
Tata Communications (c/o JSM Construction Ltd)	TfL – London Underground HV Cables (Road & Track Side Cables)	toob Limited
Total (Colnbrook) c/o Penspen	Total Finaline Pipelines	Transmission Capital
Trojan Energy Limited	UK Power Networks	Uniper UK Ltd
University of Cambridge Granta Backbone Network	Vattenfall	Veolia ES SELCHP Limited
Veolia ES Sheffield Ltd	Voneus Limited	VPI Power Limited
Wales and West Utilities	Welsh Power	West of Duddon Sands Transmission Ltd
West Sussex OpenNetwork (Cooperative National Infrastructure)	Westminster City Council	Winnington CHP Ltd

Non-LSBUD members (Asset owners not registered on LSBUD)
(The following Non-LSBUD Members may have assets in your search area. It is YOUR RESPONSIBILITY to contact them before proceeding.
Please be aware this list is not exhaustive and it is your responsibility to identify and contact all asset owners within your search area.)

Asset Owner	Preferred contact method	Phone	Status
Bring Energy	nrswa@bringenergy.com	0800 130 3600	Not Notified
BT	https://www.swns.bt.com/pls/mbe/welcome.home	08000232023	Not Notified
CityFibre	asset.team@cityfibre.com	033 3150 7282	Not Notified
Colt	plantenquiries@catelecomuk.com	01227768427	Not Notified
GTC	https://pe.gtc-uk.co.uk/PlantEnqMembership	01359240363	Not Notified
Lumen Technologies	plantenquiries@ocugroup.com	02087314613	Not Notified
Mobile Broadband Network Limited	mbnl.plant.enquiries@turntown.com	01212 621 100	Not Notified
Severn Trent Water	www.stwater.co.uk/building-and-developing/estimators-and-maps/request-a-water-sewer-map		Not Notified
Sky UK Limited	nrswa@sky.uk	02070323234	Not Notified
Sota	sota.plantenquiries@ocugroup.com		Not Notified
Utility assets Ltd	assetrecords@utilityassets.co.uk		Not Notified
Verizon Business	osp-team@uk.verizonbusiness.com	01293611736	Not Notified
Virgin Media	http://www.digdat.co.uk	08708883116	Not Notified
Vodafone	osm.enquiries@atkinsglobal.com	01454662881	Not Notified

Disclaimer
Please refer to LSBUD's Terms of Use for full terms of use available at www.lsbud.co.uk
The results of this Enquiry are personal to the Enquirer and shall not be shared with or relied upon by any other party. The asset information on which the Enquiry results are based has been provided by LSBUD Members, therefore LSBUD will provide no guarantee that such information is accurate or reliable nor does it monitor such asset information for accuracy and reliability going forward. There may also be asset owners which do not participate in the enquiry service operated by LSBUD, including but not exclusively those set out above. Therefore, LSBUD cannot make any representation or give any guarantee or warranty as to the completeness of the information contained in the enquiry results or accept any responsibility for the accuracy of the mapping images used. LSBUD and its employees, agents and consultants accept no liability (save that nothing in this Enquiry Confirmation excludes or limits our liability for death or personal injury arising from our negligence, or our fraud or fraudulent misrepresentation, or any other liability that cannot be excluded or limited by English law) arising in respect thereof or in any other way for errors or omissions including responsibility to any person by reason of negligence.

LSBUD Top-Up Report

This report is a supplement to the original LSBUD report referenced below and **should not** be read in isolation.

Please find the responses that have been collated as part of your Comprehensive Top-up service.

Report Information

LSBUD Reference	35764744
Site Name	00400_Hinkley
Service Ordered	Comprehensive Top-up
Order Reference	TU-EAKFBMJS
Order Placed	08/01/2025 15:45 GMT
Issue	Final Issue
Issue Date	22/01/2025

Enclosures

Asset Type	Asset Provider	Documents Enclosed
Water	Severn Trent Water	Included
Drainage	Severn Trent Water	Included
Openreach	Openreach	Included
Independent Network Operators	GTC	Included
Independent Network Operators	Eclipse Power	Included
Independent Network Operators	UK Power Distribution Limited	Included
Communication	Virgin Media	Included
Communication	Vodafone	Included
Communication	Colt	Included
Communication	SKY Telecommunications	Included
Communication	Lumen Technologies (Instalcom)	Included
Communication	Verizon	Included
Communication	CityFibre	Included
Communication	Mast Data	Included
Councils	Leicestershire County Council	Included

LSBUD Top-Up Report

Comprehensive Top-Up Report Information

This Comprehensive Top-Up Report provides supplementary information to the Linesearch BeforeUdig (LSBUD) core enquiry and should **only be read in conjunction with the corresponding LSBUD enquiry responses.**

This Top-Up Report is a thorough desktop search within the vicinity of your search area from all known Utility and Network Operators which are not currently members. This Report has been compiled in accordance with the standards defined under Survey CAT D of PAS 128 “Specifications for Underground Utility Detection, Verification and Location”, published by the British Standards Institute.

Whilst every effort is made to produce Reports as quickly as possible, we are reliant on the Utility Companies to provide us the with the plans and/or data. As such, no guarantees can be made regarding the time taken to complete the Report.

Utility companies who have not responded to enquiries are shown as ‘Awaiting Response’ in the Check List. Their response will be chased and forwarded on for a period of up to four working weeks. Whilst we cannot guarantee that a utility company will respond to our enquiries, we endeavour to obtain responses from those that have not responded.

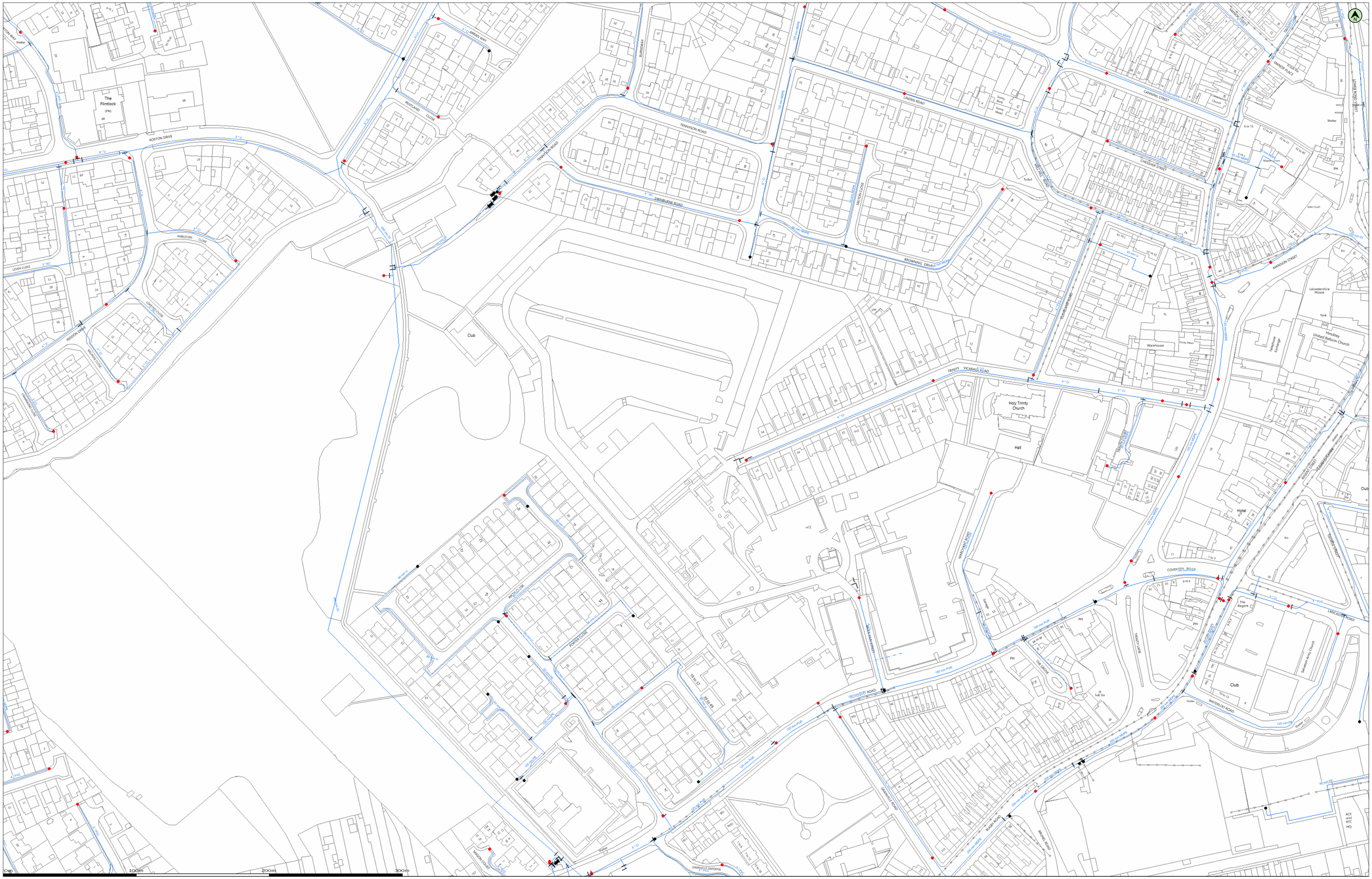
The quality and accuracy of information provided by utilities about their existing plant is indicative and no warranty is made as to its accuracy. Therefore, any utility asset maps and/or marked up drawings provided by each network operator must only be used as a guide and the actual location of plant should always be verified by EML/GPR survey or trial holes before construction works commence.

Please note, service connections are not usually shown on the utility asset maps.

If the plans are being used for excavation, we advise that the users of this information follow the principles detailed by the Health and Safety Executive guidance directive HSG47, “Avoiding Danger from Underground Services” as well as their guidance note GS6 “Avoidance of Danger from Overhead Lines”. Further information can be obtained from the HSE website; www.hse.gov.uk.

The results of this Report are based on the confirmed information you entered and are valid only as at the date of the enquiry. It is your responsibility to ensure that the details are correct, and Linesearch BeforeUdig accepts no responsibility for any errors or omissions in the details or any consequences thereof. Utility network operators update their asset information on a regular basis, so you are advised to consider this when undertaking any works. It is your responsibility to choose the period of time after which you need to resubmit any enquiry but the maximum time (after which your enquiry will no longer be dealt with by the LSBUD Helpdesk and LSBUD Members) is 28 days. If any details of the enquiry change, particularly including, but not limited to, the location of the work, then a further enquiry must be made.

NOTE: This Comprehensive Top-Up Report has been checked for the presence of all known Network Operators, as identified in the Check List. This Report does not check for the presence of Linesearch BeforeUdig (LSBUD) Members’ assets. This Report should only be read in conjunction with the corresponding LSBUD enquiry responses. There may be instances where assets are within the vicinity of your search area that are not included within this report. It is YOUR RESPONSIBILITY to identify and contact all asset owners within your search area.



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Date: 09/01/25

Scale: 1:1250

Map Centre: 442068,293855

Data updated: 14/12/24

Our Ref: 1655254 - 2

Clean Water Plan A1
Powered by digdat

Do not scale off this map. The plan and any information supplied with it is furnished as a general guide, is only valid at the date of issue and no warranty as to its correctness is given or implied. In particular this plan and any information shown on it must not be relied upon in the event of any development or works (including but not limited to excavations) in the vicinity of SEVERN TRENT WATER assets or for the purposes of determining the suitability of a point of connection to the sewerage or distribution systems. Reproduction by permission of Ordnance Survey on behalf of HMSO. ©Crown Copyright and database rights 2025. All rights reserved. Ordnance Survey licence number AC0000808122. Document users other than SEVERN TRENT WATER business users are advised that this document is provided for reference purpose only and is subject to copyright, therefore, no further copies should be made from it.

Hydrant	Valve	Aqueduct	
Washout	Water Main	Duct	
Meter	Abandoned Pipe	Service Pipe/ Private Pipe	

samantha.b@utilitysearches.uk

Hinkley

SEVERN TRENT

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Wastewater Plan A1
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Public Foul Gravity/Lateral Drain
Public Combined Gravity/Lateral Drain
Public Surface Water Gravity/Lateral Drain
Pressure Foul
Pressure Combined
Pressure Surface Water
Highway Drain
Overflow Pipe
Disposal Pipe
Culverted Water Course
Pumping Station
Fitting
Manhole Foul
Manhole Surface
Abandoned Pipe
Chamber
Section 104 sewers are shown in green
Private sewers are shown in magenta

samantha.b@utilitysearches.uk

Hinkley

SEVERN TRENT

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
	C		0	0
0501	C	105.58	104.33	1.25
0502	C		0	0
0504	C	106.38	104.13	2.25
0510	C	106.41	105.31	1.1
0512	C	106.37	105.1	1.27
0513	C	106.79	104.91	1.88
0601	C	107.86	103.78	4.08
0701	C	105.96	104.19	1.77
0703	C	106.82	104.11	2.71
0801	C		0	0
0802	C	106.67	104.36	2.31
0804	C		0	0
1010	C	106.94	105.32	1.62
1101	C	107.53	105.33	2.2
1103	C	107.86	105.63	2.23
1104	C	111.25	108.85	2.4
1501	C	107.59	103.28	4.31
1601	C	108.08	103.65	4.43
1602	C	108.16	105.84	2.32
1603	C	108.54	103.29	5.25
1604	C	108.92	103.52	5.4
1605	C	109.26	107.15	2.11
1701	C	111.69	109.14	2.55
1801	C	109.1	107.13	1.97
1802	C	111.67	110.44	1.23
1901	C	107.49	105.18	2.31
1902	C	107.6	105.18	2.42
1903	C	107.93	105	2.93
1904	C	107.19	104.79	2.4
2001	C	115.13	112.43	2.7
2501	C	108.09	105.64	2.45
2529	C	106.8	102.91	3.89
2601	C	110.31	107.79	2.52
2602	C	111.21	108.98	2.23
2701	C	111.89	109.37	2.52
2702	C	113.17	111.8	1.37
2703	C	114.5	112.08	2.42
2905	C	117.17	116.01	1.16
3001	C	121.28	118.89	2.39
3003	C	121.67	117.78	3.89
3004	C	123.08	120.57	2.51
3101	C	120.93	118.98	1.95
3102	C	123.45	122.1	1.35
3103	C	123.92	122.44	1.48
3501	C	107.54	104.25	3.29
3502	C	107.76	104.57	3.19
3505	C	107.79	105.06	2.73
3506	C	107.44	104.99	2.45
3520	C	107.56	103.69	3.87
3601	C	109.81	107.55	2.26
3603	C	108.47	105.11	3.36
3605	C	108.72	105.28	3.44
3606	C	109.44	107.76	1.68
3635	C	108.44	104.57	3.87
3701	C	111.94	109.22	2.72
3702	C	112.44	109.94	2.5
3801	C	119.28	118.17	1.11
3901	C	119.23	118.48	0.75
3902	C	120.01	118.48	1.53
4001	C	120.57	118.26	2.31
4004	C	120.35	117.58	2.77
4005	C	120.21	117.48	2.73
4006	C	121.25	118.46	2.79
4101	C	123.85	121.33	2.52
4103	C	122.56	0	0
4105	C	121.42	119.14	2.28
4602	C	109.09	106.09	3
4608	C	110.12	108.45	1.67
4610	C	108.78	107.15	1.63
4612	C	109.1	105.29	3.81
4613	C	108.8	104.74	4.06
4702	C	113.37	111.57	1.8
4703	C	111.6	109.06	2.54
4704	C	110.77	108.7	2.07
4710	C	109.9	106.16	3.74
4801	C	114.79	112.11	2.68
4802	C	116.68	114	2.68
4803	C	116.83	115.17	1.66
4804	C	115.6	113.72	1.88
4901	C	119.09	116.65	2.44
4902	C	118.01	115.89	2.12
4903	C	117.96	115.29	2.67
4904	C	117.82	116.26	1.56
4905	C	117.9	116.36	1.54
4906	C	117.6	115.9	1.7
5001	C	114.35	112.1	2.25
5002	C	114.23	112.89	1.34
5003	C	114.62	113.38	1.24
5004	C	114.14	111.85	2.29
5005	C	98.86	96.86	2
5005	C	113.32	110.07	3.25
5006	C	113.04	111.28	1.76
5101	C	121.07	118.2	2.87
5102	C	116.64	113.98	2.66
5103	C	116	114.87	1.13
5502	C	96.61	94.65	1.96
5701	C	110.14	0	0
5702	C	111.1	108.45	2.65
5801	C	110.86	0	0
5806	C	111.76	109.89	1.87
5807	C	96	93.66	2.34
5812	C	111.62	107.55	4.07
5814	C	110.9	106.94	3.96

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
6502	C	98.52	96.6	1.92
6801	C	96.58	94.18	2.4
6803	C	96.73	94.24	2.49
6901	C	97.49	96.18	1.31
6902	C	97.4	95.82	1.58
6905	C	97.51	95.61	1.9
6907	C	96.91	0	0
8700	C	100.95	98.57	2.38
8701	C	99.75	97.58	2.17
8800	C	99.08	96.36	2.72
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
	F		0	0
0001	F	103.82	101.33	2.49
0003	F	105.03	102.63	2.4
0004	F	104.14	102.13	2.01
0007	F	105.23	103.17	2.06
0008	F	106.39	103.99	2.4
0102	F	102.6	100.67	1.93
0104	F	103.22	101.31	1.91
0107	F	103.96	102.21	1.75
0108	F	105.23	103.05	2.18
0507	F	107.28	106	1.28
0508	F	106.92	105.6	1.32
0516	F	105.69	103.49	2.2
0613	F	105.2	103.07	2.13
0614	F	105.99	103.7	2.29
0707	F	106.3	103.35	2.95
1005	F	107.96	0	0
1006	F	109.95	107.72	2.23
1606	F		0	0
1803	F		0	0
1806	F		0	0
1808	F		0	0
2505	F		0	0
2506	F		0	0
2516	F		0	0
2519	F		0	0
2521	F		0	0
2523	F		0	0
2524	F		0	0
2526	F		0	0
2606	F		0	0
2607	F		0	0
2608	F		0	0
2610	F		0	0
2611	F		0	0
2802	F		0	0
2901	F	111.18	108.72	2.46
2902	F	113.73	111.67	2.06
2903	F	116.48	114.46	2.02
3509	F		0	0
3604	F		0	0
3609	F		0	0
3610	F		0	0
3613	F		0	0
3614	F		0	0
3616	F		0	0
3619	F		0	0
3623	F		0	0
3624	F		0	0
3625	F		0	0
3626	F		0	0
3628	F		0	0
3629	F		0	0
3631	F		0	0
3632	F		0	0
3633	F		0	0
3634	F		0	0
3905	F		0	0
3908	F		0	0
3910	F		0	0
4106	F		0	0
4108	F	3	0	3
4111	F		0	0
4600	F	109.07	107.16	1.91
4805	F		0	0

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
4907	F		0	0
4909	F		0	0
5003	F	99.69	97.66	2.03
5004	F	100.13	98.01	2.12
5007	F		0	0
5100	F		0	0
5104	F		0	0
5105	F	100.17	98.45	1.72
5106	F		0	0
5109	F	99.93	98.33	1.6
5111	F	100.03	98.4	1.63
5600	F	111.6	110.25	1.35
5604	F	110.15	109.02	1.13
5605	F	110	109.25	0.75
5608	F	111.65	110.25	1.4
5610	F	111.69	109.54	2.15
5611	F	108.98	109.15	0
5623	F	111.74	110.03	1.71
5624	F	111.74	109.95	1.8
5625	F	111.74	109.85	1.89
5700	F	111.11	109.65	1.46
5704	F	111.68	109.46	2.22
5708	F	110.84	108.63	2.21
6004	F	98.39	96.49	1.9
6005	F	99.96	98.23	1.73
7003	F	99.24	96.17	3.07
7901	F	97.11	95.05	2.06
8003	F	99.63	97.44	2.19
8005	F	100.27	97.77	2.5
8010	F	99.16	97.79	1.37
8102	F	103.42	102.04	1.38
8603	F	102.9	100.59	2.31
8712	F	101.31	0	0
8713	F	101.82	100.46	1.36
9002	F		0	0
9005	F	102.07	99.48	2.59
9008	F	102.29	100.17	2.12
9009	F	103.07	100.68	2.39
9101	F	101.17	98.7	2.47
9102	F	101.21	98.48	2.73
9103	F	101.33	98.58	2.75
9105	F	102.25	100.33	1.92
9514	F	104.95	103.86	1.09
9609	F	104.55	102.58	1.97
9610	F	103.79	102.18	1.61
9611	F	103.44	101.44	2
9720	F	104.08	101.85	2.23
9721	F	103.85	101.02	2.83
9722	F	105.06	102.72	2.34
9723	F	106.02	102.85	3.17
9805	F	103.29	101.55	1.74
9806	F	103.61	101.91	1.7
0002	S	104.12	102.25	1.87
0005	S	104.25	102.57	1.68
0006	S	105.21	103.42	1.79
0009	S	105.41	103.67	1.74
0101	S	102.6	100.87	1.73
0103	S	103.09	101.56	1.53
0503	S	105.93	104.6	1.33
0505	S	105.76	104.51	1.25
0506	S	107.29	106.21	1.08
0509	S	106.96	105.82	1.14
0511	S	106.45	105.53	0.92
0515	S	105.85	103.64	2.21
0608	S	105.3	103.55	1.75
0609	S	105.77	104.11	1.66
0610	S	105.93	104.09	1.84
0611	S	105.95	104.05	1.9
0612	S	106.15	104.42	1.73
0705	S	106.32	103.83	2.49
0706	S	105.98	103.67	2.31
1001	S	107.36	105.95	1.41
1002	S	107.06	105.33	1.73
1003	S	106.94	0	0
1004	S	106.85	105.44	1.41
1008	S	110.53	108.79	1.74
1009	S	110.7	108.59	2.11
1102	S	107.88	106.83	1.05
1607	S	107.22	105.7	1.53
1905	S	107.54	106.09	1.45
2002	S	118.2	115.92	2.28
2003	S	110.79	109.33	1.46
2801	S	116.52	114.61	1.91
2904	S	116.59	114.55	2.04
3503	S	107.8	106.26	1.54
3602	S	108.49	0	0
3636	S		0	0
3703	S	111.71	110.18	1.53
4603	S	109.06	0	0
4604	S	109.18	107.41	1.77
4605	S	109.18	107.8	1.38
4607	S	109.55	107.76	1.79
4609	S	109.35	107.71	1.64
4614	S	109.26	107.69	1.57
5006	S	99.64	97.29	2.35
5104	S	100.54	98.26	2.28
5106	S	100.26	98.04	2.22
5110	S	100.01	97.73	2.28
5601	S	96.66	95.02	1.64
5601	S	109.51	108.08	1.43
5603	S	110.22	108.78	1.44
5605	S	96.87	95.56	1.31
5606	S	110.69	109.28	1.41
5607	S		0	0

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
5612	S	111.66	110.15	1.51
5613	S	111.61	108.38	3.23
5614	S	111.65	108.25	3.4
5615	S	111.54	108.1	3.44
5616	S	111.27	108.05	3.22
5617	S	110.81	108.02	2.79
5618	S	110.43	107.97	2.46
5619	S	110.05	107.93	2.12
5620	S	109.79	107.87	1.92
5621	S	109.53	107.84	1.69
5709	S	109.79	108.27	1.52
5804	S	110.62	109.23	1.39
5806	S	97.23	95.81	1.42
5808	S	96.24	95.38	0.86
5809	S	96.09	95.19	0.9
6002	S	100.54	98.39	2.15
6003	S	98.45	96.83	1.62
6501	S	98.53	97.13	1.4
6503	S	97.18	96.15	1.03
6802	S	96.57	95.23	1.34
6903	S	97.36	95.57	1.79
6904	S	97.55	96.01	1.54
6906	S	96.95	95.78	1.17
7001	S	102.14	100.57	1.57
7002	S	101.58	100.44	1.14
7004	S	101.59	100.13	1.46
7500	S	99.58	96.78	2.8
7501	S	100.05	96.92	3.13
7600	S	98.59	96.27	2.32
7601	S	99.07	96.45	2.63
7801	S	98.01	96.69	1.32
7902	S		0	0
8001	S	100.72	98.71	2.01
8004	S	100.73	99.28	1.45
8006	S	100.05	99.1	0.95
8101	S	102.81	101.28	1.53
8103	S	103.4	101.13	2.27
8104	S	102.19	100.81	1.38
8602	S	102.9	99.35	3.55
8702	S	103	98.94	4.06
8703	S	101.75	100.88	0.87
8704	S	101.22	98.8	2.42
8708	S	102.96	98.98	3.99
8709	S	101.77	99.08	2.69
8710	S	101.32	99.26	2.06
8711	S	102.95	98.97	3.98
8802	S	100.01	98.1	1.91
9001	S	101.73	100.12	1.61
9003	S		0	0
9004	S	102.06	100.06	2
9006	S	102.32	100.35	1.97
9007	S	102.79	100.95	1.84
9104	S	101.41	99.65	1.76
9502	S	102.42	101.33	1.09
9511	S	103.36	101.73	1.63
9512	S	102.91	101.66	1.25
9513	S	102.83	101.44	1.39
9515	S	104.96	103.81	1.15
9606	S	103.36	101.56	1.8
9607	S	104.53	102.76	1.77
9608	S	103.73	102.44	1.29
9712	S	103.61	99.4	4.21
9713	S	103.87	99.45	4.42
9714	S	104.18	102.36	1.83
9715	S	103.48	99.48	4
9716	S	104.19	102.52	1.67
9717	S	105.92	103.04	2.88
9718	S	105.23	101.85	3.38
9719	S	103.36	100.15	3.21
9801	S	103.31	100.07	3.24
9804	S	103.56	100.7	2.86

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert

5904	C	97.28	95.39	1.89

4806	F		0	0

5607	S	109.14	107.85	1.29

GENERAL CONDITIONS AND PRECAUTIONS TO BE TAKEN WHEN CARRYING OUT WORK ADJACENT TO SEVERN TRENT WATER'S APPARATUS

Please ensure that a copy of these conditions is passed to your representative and/or your contractor on site. If any damage is caused to Severn Trent Water Limited (STW) apparatus (defined below), the person, contractor or subcontractor responsible must inform STW immediately on:
0800 783 4444 (24 hours)

a) These general conditions and precautions apply to the public sewerage, water distribution and cables in ducts including (but not limited to) sewers which are the subject of an Agreement under Section 104 of the Water Industry Act 1991(a legal agreement between a developer and STW, where a developer agrees to build sewers to an agreed standard, which STW will then adopt); mains installed in accordance with an agreement for the self-construction of water mains entered into with STW and the assets described at condition b) of these general conditions and precautions. Such apparatus is referred to as "STW Apparatus" in these general conditions and precautions.

b) Please be aware that due to The Private Sewers Transfer Regulations June 2011, the number of public sewers has increased, but many of these are not shown on the public sewer record. However, some idea of their positions may be obtained from the position of inspection covers and their existence must be anticipated.

c) On request, STW will issue a copy of the plan showing the approximate locations of STW Apparatus although in certain instances a charge will be made. The position of private drains, private sewers and water service pipes to properties are not normally shown but their presence must be anticipated. This plan and the information supplied with it is furnished as a general guide only and STW does not guarantee its accuracy.

d) STW does not update these plans on a regular basis. Therefore the position and depth of STW Apparatus may change and this plan is issued subject to any such change. Before any works are carried out, you should confirm whether any changes to the plan have been made since it was issued.

e) The plan must not be relied upon in the event of excavations or other works in the vicinity of STW Apparatus. It is your responsibility to ascertain the precise location of any STW Apparatus prior to undertaking any development or other works (including but not limited to excavations).

f) No person or company shall be relieved from liability for loss and/or damage caused to STW Apparatus by reason of the actual position and/or depths of STW Apparatus being different from those shown on the plan.

In order to achieve safe working conditions adjacent to any STW Apparatus the following should be observed:

1. All STW Apparatus should be located by hand digging prior to the use of mechanical excavators.

2. All information set out in any plans received from us, or given by our staff at the site of the works, about the position and depth of the mains, is approximate. Every possible precaution should be taken to avoid damage to STW Apparatus. You or your contractor must ensure the safety of STW Apparatus and will be responsible for the cost of repairing any loss and/or damage caused (including without limitation replacement parts).

3. Water mains are normally laid at a depth of 900mm. No records are kept of customer service pipes which are normally laid at a depth of 750mm; but some idea of their positions may be obtained from the position of stop tap covers and their existence must be anticipated.

4. During construction work, where heavy plant will cross the line of STW Apparatus, specific crossing points must be agreed with STW and suitably reinforced where required. These crossing points should be clearly marked and crossing of the line of STW Apparatus at other locations must be prevented.

5. Where it is proposed to carry out piling or boring within 20 metres of any STW Apparatus, STW should be consulted to enable any affected STW Apparatus to be surveyed prior to the works commencing.

6. Where excavation of trenches adjacent to any STW Apparatus affects its support, the STW Apparatus must be supported to the satisfaction of STW. Water mains and some sewers are pressurised and can fail if excavation removes support to thrust blocks to bends and other fittings.

7. Where a trench is excavated crossing or parallel to the line of any STW Apparatus, the backfill should be adequately compacted to prevent any settlement which could subsequently cause damage to the STW Apparatus. In special cases, it may be necessary to provide permanent support to STW Apparatus which has been exposed over a length of the excavation before backfilling and reinstatement is carried out. There should be no concrete backfill in contact with the STW Apparatus.

8. No other apparatus should be laid along the line of STW Apparatus irrespective of clearance. Above ground apparatus must not be located within a minimum of 3 metres either side of the centre line of STW Apparatus for smaller sized pipes and 6 metres either side for larger sized pipes without prior approval. No manhole or chamber shall be built over or around any STW Apparatus.

9. A minimum radial clearance of 300 millimetres should be allowed between any plant or equipment being installed and existing STW Apparatus. We reserve the right to increase this distance where strategic assets are affected.

10. Where any STW Apparatus coated with a special wrapping is damaged, even to a minor extent, STW must be notified and the trench left open until the damage has been inspected and the necessary repairs have been carried out. In the case of any material damage to any STW Apparatus causing leakage, weakening of the mechanical strength of the pipe or corrosion-protection damage, the necessary remedial work will be recharged to you.

11. It may be necessary to adjust the finished level of any surface boxes which may fall within your proposed construction. Please ensure that these are not damaged, buried or otherwise rendered inaccessible as a result of the works and that all stop taps, valves, hydrants, etc. remain accessible and operable. Minor reduction in existing levels may result in conflict with STW Apparatus such as valve spindles or tops of hydrants housed under the surface boxes. Checks should be made during site investigations to ascertain the level of such STW Apparatus in order to determine any necessary alterations in advance of the works.

12. With regard to any proposed resurfacing works, you are required to contact STW on the number given above to arrange a site inspection to establish the condition of any STW Apparatus in the nature of surface boxes or manhole covers and frames affected by the works. STW will then advise on any measures to be taken, in the event of this a proportionate charge will be made.

13. You are advised that STW will not agree to either the erection of posts, directly over or within 1.0 metre of valves and hydrants,

14. No explosives are to be used in the vicinity of any STW Apparatus without prior consultation with STW.

TREE PLANTING RESTRICTIONS

There are many problems with the location of trees adjacent to sewers, water mains and other STW Apparatus and these can lead to the loss of trees and hence amenity to the area which many people may have become used to. It is best if the problem is not created in the first place. Set out below are the recommendations for tree planting in close proximity to public sewers, water mains and other STW Apparatus.

15. Please ensure that, in relation to STW Apparatus, the mature root systems and canopies of any tree planted do not and will not encroach within the recommended distances specified in the notes below.

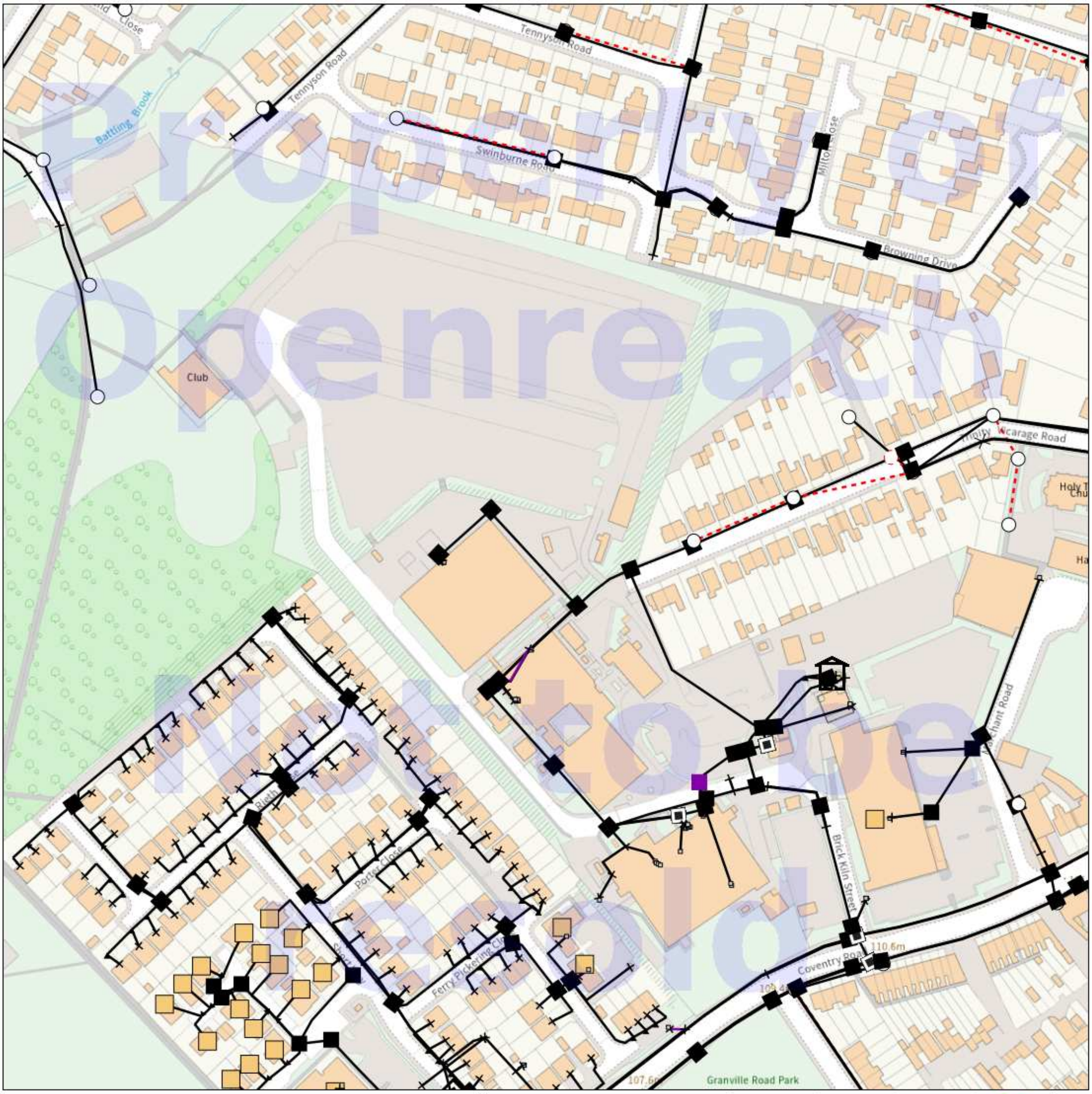
16. Both Poplar and Willow trees have extensive root systems and should not be planted within 12 metres of a sewer, water main or other STW Apparatus.

17. The following trees and those of similar size, be they deciduous or evergreen, should not be planted within 6 metres of a sewer, water main or other STW Apparatus. E.g. Ash, Beech, Birch, most Conifers, Elm, Horse Chestnut, Lime, Oak, Sycamore, Apple and Pear. Asset Protection Statements Updated May2014

18. STW personnel require a clear path to conduct surveys etc. No shrubs or bushes should be planted within 2 metre of the centre line of a sewer, water main or other STW Apparatus.

19. In certain circumstances, both STW and landowners may wish to plant shrubs/bushes in close proximity to a sewer, water main of other STW Apparatus for screening purposes. The following are shallow rooting and are suitable for this purpose: Blackthorn, Broom, Cotoneaster, Elder, Hazel, Laurel, Privet, Quickthorn, Snowberry, and most ornamental flowering shrubs.

Maps on Demand Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made newar to BT apparatus which may exist at various depths and may deviate from the marked route.

openreach

CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email cbyd@openreach.co.uk

ADVANCE NOTICE REQUIRED
(Office hours: Monday - Friday 08.00 to 17.00)
www.openreach.co.uk/cbyd

Accidents happen

If you do damage any Openreach equipment please let us know by calling 0800 023 2023 (opt 1 + opt 1) and we can get it fixed ASAP

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KEY TO BT SYMBOLS

	Planned	*Live*
PCP		
Pole		
Box		
Manhole		
Cabinet		

Change Of State	+	Hatchings	
Split Coupling	×	Built	
Duct Tee	▲	Planned	
Building		Inferred	
Kiosk	K	Duct	

Other proposed plant is shown using dashed lines.
BT Symbols not listed above may be disregarded.
Existing BT Plant may not be recorded.
Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.

	Pending Add	*In Place*	*Pending Remove*	*Not In Use*
Power Cable				
Power Duct				N/A

BT Ref : SBA11108B
Map Reference : (centre) SP4206893855
Easting/Northing : (centre) 442068,293855
Scale : 1:500
Issued : 10/01/2025 11:10:37

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

Samantha B

From: plantenquiryservice@gtc-uk.co.uk
Sent: 09 January 2025 09:05
To: Samantha B
Subject: GTC Plant Enquiry - Ref- 4976541
Attachments: 4976541.png

GTC Apparatus Not Found In Search Area

Our Plant Enquiry Service Ref: 4976541
Your Enquiry Ref: Hinckley

Dear Samantha,

Thank you for your enquiry concerning apparatus in the vicinity of your proposed work. GTC can confirm that we have no apparatus in the vicinity but please note that other asset owners may have and ensure all utility owners have been consulted. For your records, the search area is shown in the attached map.

Please note our assets now include those owned and operated by:

- GTC Pipelines Limited
- Independent Pipelines Limited
- Quadrant Pipelines Limited
- Electricity Network Company Limited
- Independent Power Networks Limited
- Independent Water Networks Limited
- Open Fibre Networks Limited
- Independent Community Heating Limited

If you have any queries or require any further information please do not hesitate to contact us.

Your sincerely,

GTC Plant Enquiry Service.

GTC
Synergy House
Woolpit Business Park
Woolpit
Bury St Edmunds
Suffolk, IP30 9UP
Tel: 01359 240363
plant.enquiries@gtc-uk.co.uk

NOTE:
This E-Mail originates from GTC, Synergy House, Woolpit Business Park, Woolpit, Bury St Edmunds, Suffolk, IP30 9UP

Location Search

Our Network Asset Search platform will highlight where we may have plant or apparatus within the vicinity of the co-ordinates you enter.

It is important to note that the search result information provided is to be used as a guide only. To ensure safety during the activity, your organisation must follow HSG47 guidelines to locate any buried services in the vicinity and follow a safe system of work during the work activity.

Eastings X	442068
Northings Y	293855
Project Reference	

Message/Comment

Submit

Note: Please search with a minimum of 5 digits to get the nearby Power network locations.

We have identified that we do not have any network assets within 500m of your searched location.

Samantha B

From: Eve Jones <EveJones@matrixgroup.co.uk>
Sent: 14 January 2025 10:02
To: Samantha B
Subject: RE: Plant Enquiry - 35764744 - 00400_Hinkley
Attachments: UKPD425-HV-AS LAID-001-006 Rev.A.pdf; UKPD425-LV-AS LAID-001-004 Rev.D.pdf; UKPD425-33kV-AS LAID-001-018 Rev.A.pdf

Good Morning Samantha,

Please see attached UKPD assets near your search area.

Kind Regards
Eve

Eve Jones
Network Records Administrator
07513 727 278.
Click here to apply for our Priority Services Register

UK Power Distribution | Working as part of **Matrix Group**

03303 209 899 | **www.ukpowerdistribution.co.uk**

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From: Teresa Headland <Teresaheadlandukp@ukpowerdistribution.co.uk>
Sent: 10 January 2025 12:07
To: Eve Jones <EveJones@matrixgroup.co.uk>
Cc: Samantha Brooker <Samantha.Brooker@premierenergy.co.uk>
Subject: FW: Plant Enquiry - 35764744 - 00400_Hinkley

Hi Eve.

Can you please process this red-route request .

Thanks
Teresa

Teresa Headland
Technical Coordinator

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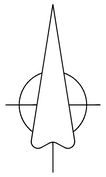

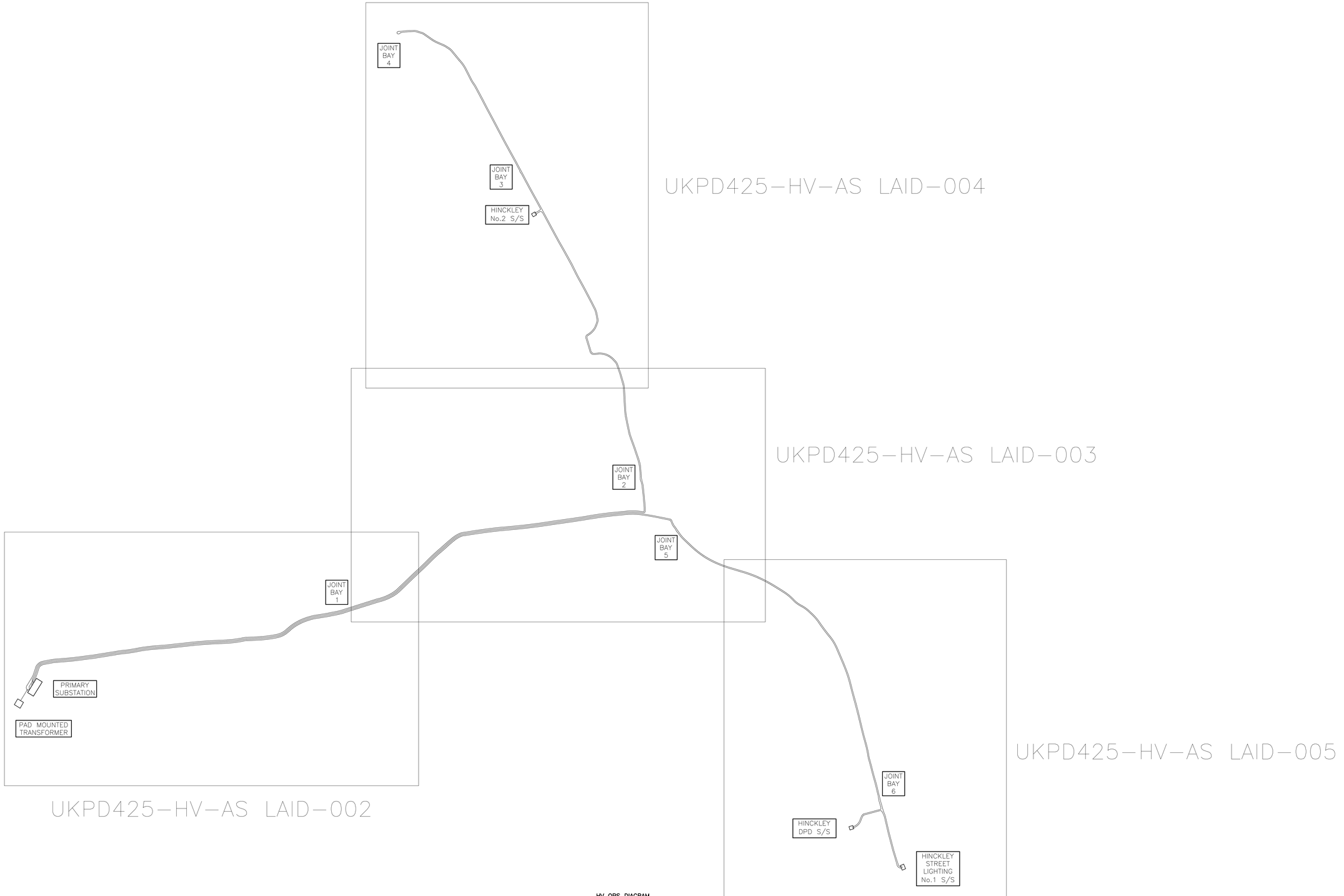

HV OPS DIAGRAM
NTS

Legend:

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	06.08.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution
Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client: MATRIX NETWORKS			
DNO: WPD			
Drawn By: JAH	App: JM	SCALE @ A0	N/A
Eng: JM	Date: 02.12.2019	SCALE @ A2	N/A
Status: AS LAID HV			

Drawing Title:
HINCKLEY
RUGBY ROAD
OVERVIEW/OPS DIAGRAM

Drg No: UKPD425-HV-AS LAID-001
Rev: A

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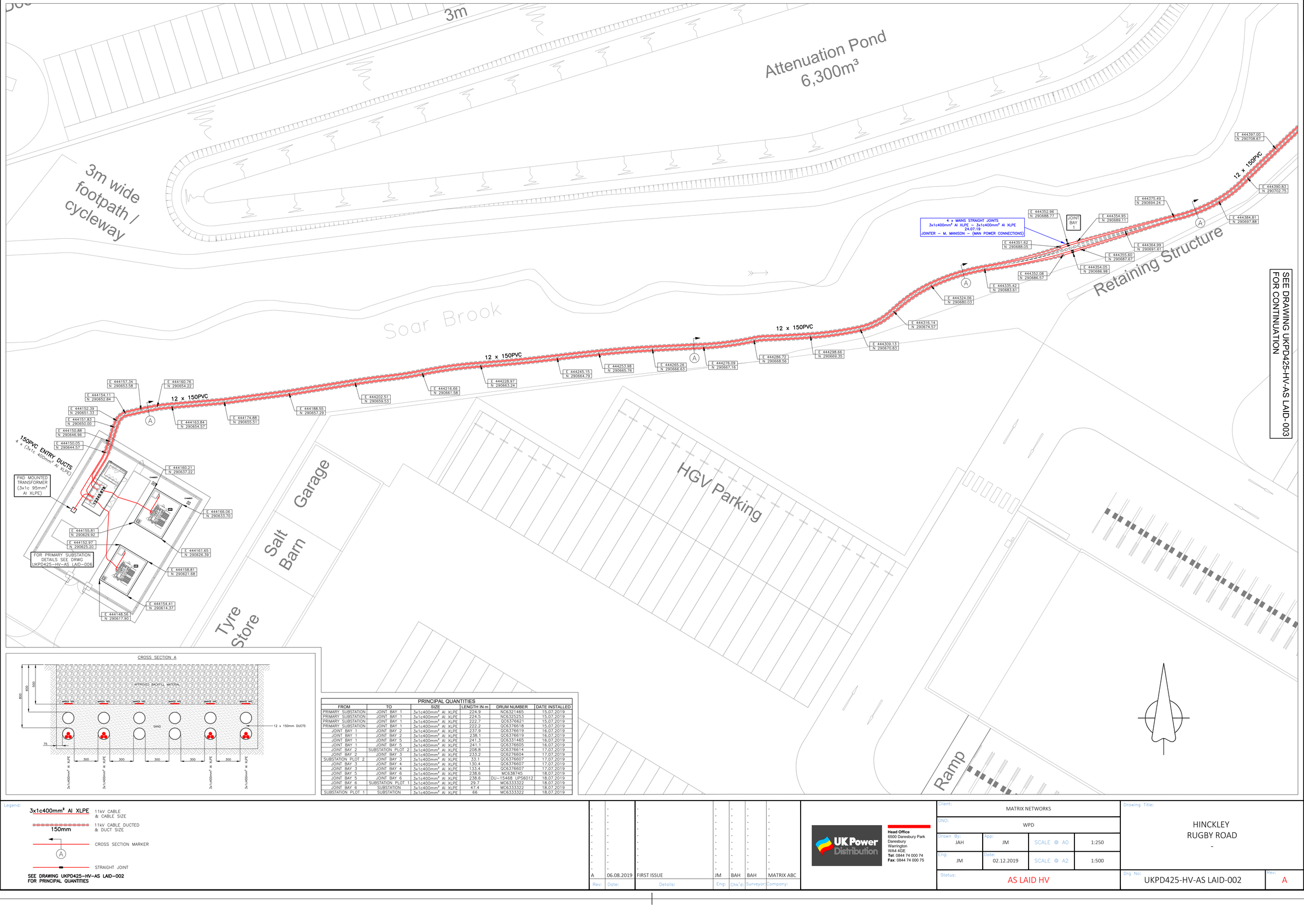

CROSS SECTION A

PRINCIPAL QUANTITIES

FROM	TO	SIZE	LENGTH IN m	DRUM NUMBER	DATE INSTALLED
PRIMARY SUBSTATION	JOINT BAY 1	3x1c400mm² Al XLPE	224.9	NC6321465	15.07.2019
PRIMARY SUBSTATION	JOINT BAY 1	3x1c400mm² Al XLPE	224.5	NC6325253	15.07.2019
PRIMARY SUBSTATION	JOINT BAY 1	3x1c400mm² Al XLPE	222.7	QC6376621	15.07.2019
PRIMARY SUBSTATION	JOINT BAY 1	3x1c400mm² Al XLPE	222.2	QC6376618	15.07.2019
JOINT BAY 1	JOINT BAY 2	3x1c400mm² Al XLPE	237.9	QC6376619	16.07.2019
JOINT BAY 1	JOINT BAY 2	3x1c400mm² Al XLPE	238.1	QC6376619	16.07.2019
JOINT BAY 1	JOINT BAY 5	3x1c400mm² Al XLPE	241.3	QC6331465	16.07.2019
JOINT BAY 1	JOINT BAY 5	3x1c400mm² Al XLPE	241.1	QC6376605	16.07.2019
JOINT BAY 2	SUBSTATION PLOT 2	3x1c400mm² Al XLPE	208.8	QC6376614	17.07.2019
JOINT BAY 2	JOINT BAY 3	3x1c400mm² Al XLPE	233.2	QC6276604	17.07.2019
SUBSTATION PLOT 2	JOINT BAY 3	3x1c400mm² Al XLPE	33.1	QC6376607	17.07.2019
JOINT BAY 3	JOINT BAY 4	3x1c400mm² Al XLPE	130.4	QC6376607	17.07.2019
JOINT BAY 3	JOINT BAY 4	3x1c400mm² Al XLPE	133.4	QC6376607	17.07.2019
JOINT BAY 5	JOINT BAY 6	3x1c400mm² Al XLPE	238.6	MC638745	18.07.2019
JOINT BAY 5	JOINT BAY 6	3x1c400mm² Al XLPE	238.6	DU–15468 UPS6012	18.07.2019
JOINT BAY 6	SUBSTATION PLOT 1	3x1c400mm² Al XLPE	29.7	MC6333322	18.07.2019
JOINT BAY 6	SUBSTATION	3x1c400mm² Al XLPE	47.4	MC6333322	18.07.2019
SUBSTATION PLOT 1	SUBSTATION	3x1c400mm² Al XLPE	66	MC6333322	18.07.2019

Legend:

- 3x1c400mm² Al XLPE — 11kV CABLE & CABLE SIZE
- 150mm — 11kV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- STRAIGHT JOINT

SEE DRAWING UKPD425–HV–AS LAID–002 FOR PRINCIPAL QUANTITIES

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	06.08.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution
Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: JAH	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status: AS LAID HV			

Drawing Title: HINCKLEY RUGBY ROAD -

Drg No: UKPD425-HV-AS LAID-002 Rev: A

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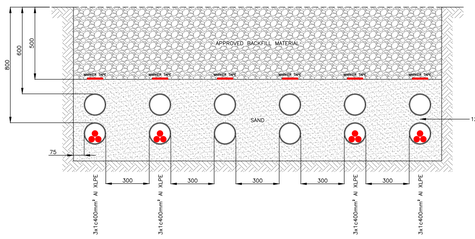
CROSS SECTION A



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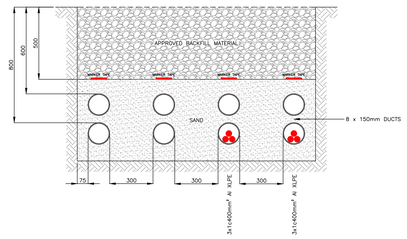
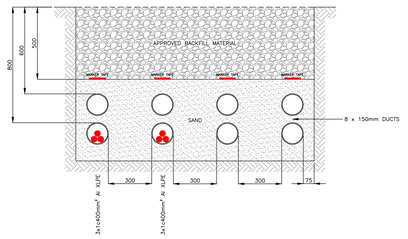


CROSS SECTION C



SEE DRAWING UKPD425-HV-AS LAID-004 FOR CONTINUATION

SEE DRAWING UKPD425-HV-AS LAID-005 FOR CONTINUATION

SEE DRAWING UKPD425-HV-AS LAID-002 FOR CONTINUATION

14 No. Parking Spaces

Attenuation Pond 3,900m³

Potential Bunding

Bus Stop & Shelter

Bus Layby

Retaining Structure

AREA FOR OVERSPILL CAR PARK

8 x 150PVC

12 x 150PVC

JOINT BAY 2

JOINT BAY 5

2 x MAINS STRAIGHT JOINTS 3x1c400mm² Al XLPE – 3x1c400mm² Al XLPE 20.07.19 JOINTER – M. MANISON – (MAN POWER CONNECTIONS)

2 x MAINS STRAIGHT JOINTS 3x1c400mm² Al XLPE – 3x1c400mm² Al XLPE 24.07.19 JOINTER – M. MANISON – (MAN POWER CONNECTIONS)

E 444535.27 N 290843.82
E 444537.33 N 290836.73
E 444537.75 N 290833.41
E 444538.08 N 290827.29
E 444538.49 N 290819.78
E 444538.80 N 290816.88
E 444539.90 N 290810.97
E 444542.28 N 290801.32
E 444544.59 N 290794.98
E 444547.02 N 290787.72
E 444547.61 N 290785.79
E 444548.21 N 290783.00
E 444548.74 N 290776.07
E 444548.87 N 290774.33
E 444548.50 N 290774.28
E 444549.31 N 290772.75
E 444549.99 N 290769.86
E 444550.64 N 290763.98
E 444550.82 N 290762.12
E 444551.40 N 290755.35
E 444538.33 N 290751.92
E 444562.46 N 290748.82
E 444551.41 N 290753.36
E 444529.12 N 290750.99
E 444550.15 N 290751.60
E 444552.59 N 290751.11
E 444568.82 N 290746.91
E 444571.90 N 290741.52
E 444567.04 N 290747.89
E 444572.76 N 290740.07
E 444569.69 N 290744.83
E 444573.78 N 290738.81
E 444572.45 N 290739.85
E 444576.92 N 290734.98
E 444582.51 N 290729.63
E 444589.93 N 290723.77
E 444597.83 N 290719.42
E 444607.37 N 290715.85
E 444615.66 N 290713.35
E 444625.80 N 290709.65
E 444466.94 N 290742.27
E 444449.66 N 290740.57
E 444435.74 N 290738.57
E 444429.66 N 290737.36
E 444433.07 N 290738.15
E 444441.86 N 290739.54
E 444458.16 N 290741.50
E 444475.38 N 290743.22
E 444490.43 N 290745.33
E 444502.33 N 290747.03
E 444515.25 N 290749.05
E 444425.41 N 290734.78
E 444421.05 N 290731.10
E 444415.97 N 290726.60
E 444409.07 N 290720.16
E 444402.89 N 290714.18
E 444397.00 N 290708.67
E 444390.83 N 290702.75
E 444384.81 N 290697.88
E 444375.49 N 290694.24
E 444364.99 N 290691.61
E 444354.95 N 290689.11
E 444355.60 N 290687.67
444354.05 290686.98

Legend:

- 3x1c400mm² Al XLPE — 11kV CABLE & CABLE SIZE
- 150mm — 11kV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- STRAIGHT JOINT

SEE DRAWING UKPD425-HV-AS LAID-002 FOR PRINCIPAL QUANTITIES

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	06.08.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution
Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: JAH	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status:	AS LAID HV		

Drawing Title: HINCKLEY RUGBY ROAD -

Drg. No: UKPD425-HV-AS LAID-003

Rev: A

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E 444384.87
N 291081.64

1 x MAINS STRAIGHT JOINT
3x1c400mm² Al XLPE – 3x1c400mm² Al XLPE
23.07.19
JOINTER – M. MANISON –
(MAN POWER CONNECTIONS)

E 444389.42
N 291068.84

E 444399.22
N 291069.51

E 444404.25
N 291068.30

E 444387.36
N 291070.30

E 444388.44
N 291068.60

JOINT BAY 4

E 444411.63
N 291063.56

E 444419.04
N 291060.03

E 444407.40
N 291066.50

8 x 150PVC

E 444390.60
N 291068.96

E 444394.24
N 291069.35

E 444414.81
N 291061.87

E 444424.35
N 291056.23

E 444422.61
N 291057.85

E 444429.26
N 291050.27

E 444433.91
N 291043.49

E 444436.87
N 291037.66

E 444440.37
N 291031.88

E 444443.98
N 291025.12

E 444447.41
N 291018.57

E 444452.27
N 291009.47

E 444454.95
N 291004.38

E 444458.68
N 290997.32

E 444462.82
N 290989.70

E 444467.74
N 290980.71

E 444469.41
N 290977.59

E 444466.57
N 290982.95

E 444469.78
N 290976.64

2 x MAINS STRAIGHT JOINTS
3x1c400mm² Al XLPE – 3x1c400mm² Al XLPE
23.07.19
JOINTER – M. MANISON – (MAN POWER CONNECTIONS)

E 444470.60
N 290975.36

E 444469.46
N 290976.46

JOINT BAY 3

E 444472.50
N 290971.82

8 x 150PVC

E 444476.34
N 290964.64

E 444480.98
N 290956.25

E 444483.02
N 290952.49

E 444482.54
N 290951.36

E 444483.00
N 290950.65

E 444478.87
N 290950.20

E 444476.63
N 290948.88

E 444484.41
N 290949.93

HINCKLEY No.2 S/S

E 444479.44
N 290949.23

E 444477.77
N 290946.95

E 444480.01
N 290948.26

E 444485.73
N 290947.48

E 444490.13
N 290939.33

E 444494.59
N 290931.08

E 444498.93
N 290923.51

E 444503.13
N 290915.85

E 444506.96
N 290908.21

8 x 150PVC

E 444511.21
N 290900.45

E 444515.33
N 290892.67

E 444517.22
N 290888.98

E 444516.27
N 290890.86

E 444518.76
N 290885.93

E 444520.24
N 290879.83

E 444519.34
N 290875.27

E 444514.91
N 290869.66

E 444513.66
N 290868.87

E 444517.65
N 290872.26

E 444513.05
N 290867.11

E 444520.60
N 290857.06

E 444527.87
N 290855.36

E 444515.70
N 290858.34

E 444530.30
N 290853.50

E 444517.76
N 290856.81

E 444523.71
N 290856.89

E 444532.03
N 290851.65

E 444533.15
N 290849.90

8 x 150PVC

E 444535.27
N 290843.82

E 444537.33
N 290836.73

SEE DRAWING UKPD425-HV-AS LAID-003
FOR CONTINUATION

Potential Bunding
Bus Stop & Shelter

2.4m High Paladin Fence
4m high acoustic barrier

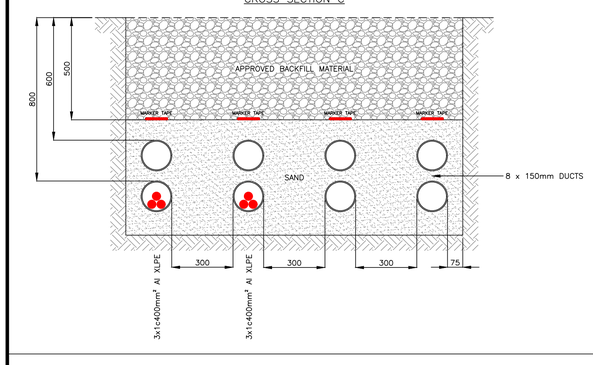
545 No. Car Parking

3-Storey Office

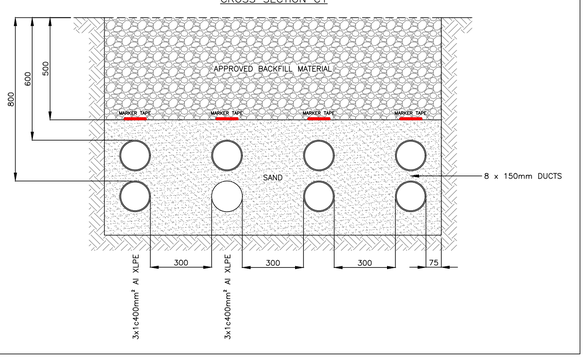
Sinks

Path (um)

CROSS SECTION C



CROSS SECTION C1



Legend:

3x1c400mm² Al XLPE — 11kV CABLE & CABLE SIZE

150mm — 11kV CABLE DUCTED & DUCT SIZE

A — CROSS SECTION MARKER

STRAIGHT JOINT

SEE DRAWING UKPD425–HV–AS LAID–002 FOR PRINCIPAL QUANTITIES

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	06.08.2019	FIRST ISSUE	JM	AS	AS	MATRIX ABC

UK Power Distribution

Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client: MATRIX NETWORKS			
DNO: WPD			
Drawn By: JAH	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status: AS LAID HV			

Drawing Title: HINCKLEY RUGBY ROAD

Drg No: UKPD425-HV-AS LAID-006

Rev: A

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SEE DRAWING UKPD425-HV-AS LAID-003
FOR CONTINUATION

E 444607.37
N 290715.85

E 444615.66
N 290713.35

8 x 150PVC

E 444625.80
N 290709.65

E 444634.68
N 290705.12

E 444643.26
N 290699.80

E 444649.39
N 290694.66

E 444653.02
N 290691.70

E 444659.79
N 290686.97

E 444666.25
N 290679.86

E 444673.22
N 290670.58

8 x 150PVC

E 444677.87
N 290662.91

E 444682.33
N 290652.48

E 444684.63
N 290646.62

E 444686.92
N 290638.92

E 444689.43
N 290629.37

E 444691.98
N 290619.66

E 444694.32
N 290609.95

E 444696.84
N 290600.41

8 x 150PVC

E 444698.73
N 290591.73

E 444700.92
N 290583.23

E 444702.95
N 290575.75

E 444704.75
N 290568.61

E 444705.27
N 290566.51

JOINT BAY 6

2 x MAINS STRAIGHT JOINTS
3x1c400mm² Al XLPE – 3x1c400mm² Al XLPE
23.07.19
JOINTER – M. MANISON – (MAN POWER CONNECTIONS)

E 444705.78
N 290562.00

E 444706.20
N 290562.11

E 444706.31
N 290556.15

E 444706.98
N 290558.64

E 444705.23
N 290555.96

E 444707.03
N 290556.99

E 444707.19
N 290555.89

E 444708.33
N 290554.99

E 444709.57
N 290551.81

E 444695.37
N 290553.27

4 x 150PVC LAID FLAT

E 444688.25
N 290546.05

E 444685.72
N 290545.28

HINCKLEY DPD S/S

E 444686.36
N 290543.13

E 444688.94
N 290543.90

S/S

E 444705.54
N 290554.64

E 444706.40
N 290554.84

E 444695.76
N 290552.14

E 444712.09
N 290541.07

8 x 150PVC

E 444715.05
N 290529.76

E 444716.97
N 290523.46

E 444719.48
N 290519.63

E 444721.72
N 290520.61

HINCKLEY STREET LIGHTING No.1 S/S

E 444718.14
N 290519.98

E 444719.97
N 290518.51

E 444723.01
N 290517.55

E 444720.78
N 290516.63

Existing Pond

2.4m High Paladin Fence

S/S

HGV Parking

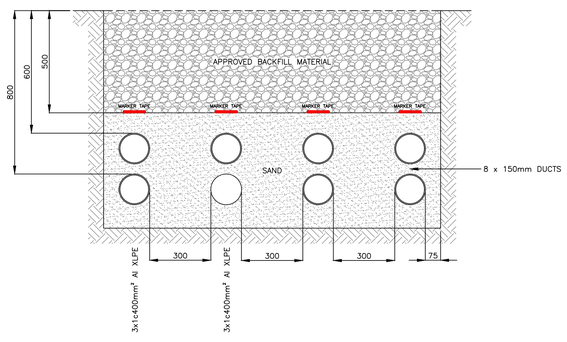
Potential Bunding

Existing Lake

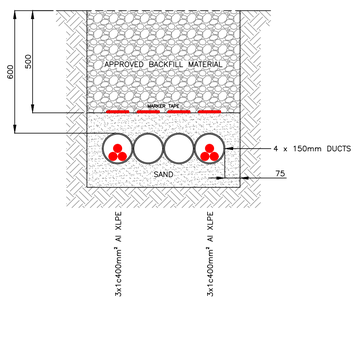
Lake

ar Parking

CROSS SECTION C1



CROSS SECTION D



Legend:

- 3x1c400mm² Al XLPE — 11kV CABLE & CABLE SIZE
- 150mm — 11kV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- STRAIGHT JOINT

SEE DRAWING UKPD425-HV-AS LAID-002
FOR PRINCIPAL QUANTITIES

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	06.08.2019	FIRST ISSUE	JM	AS	AS	MATRIX ABC

UK Power Distribution
Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client: MATRIX NETWORKS			Drawing Title: HINCKLEY RUGBY ROAD
DNO: WPD			
Drawn By: PR	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status: AS LAID HV		Drg No: UKPD425-HV-AS LAID-006	Rev: A

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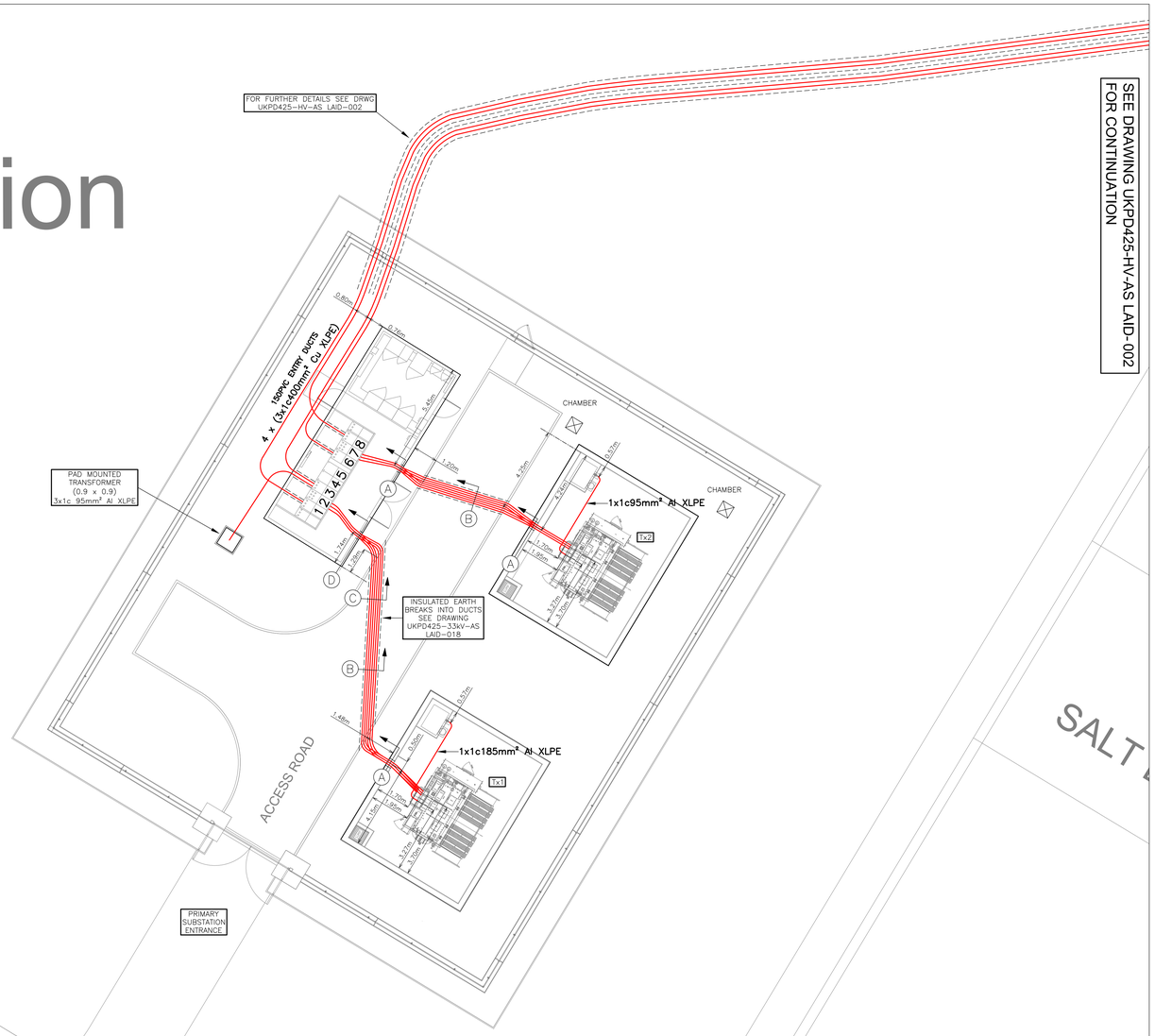
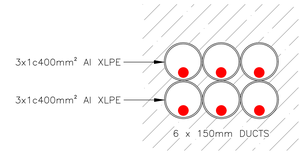
Primary Sub-station

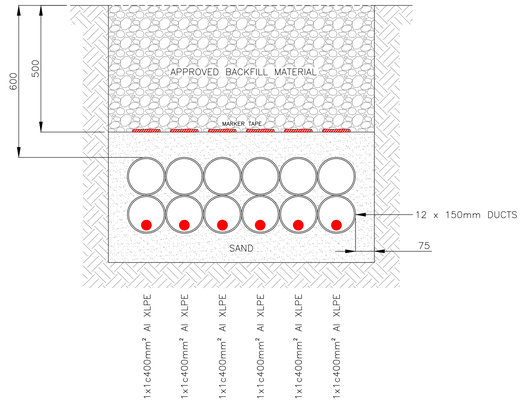


PRIMARY S/S HV SWITCH DETAILS	
HV SWITCH No.s	DESTINATIONS
No. 1	HINCKLEY No.2 S/S (RING SWITCH 1)
No. 2	PRIMARY Tx1
No. 3	HINCKLEY ST LTG & PAD MOUNTED Tx
No. 4	SPARE
No. 5	SPARE
No. 6	HINCKLEY DPD S/S
No. 7	PRIMARY Tx2
No. 8	HINCKLEY No.2 S/S (RING SWITCH 2)

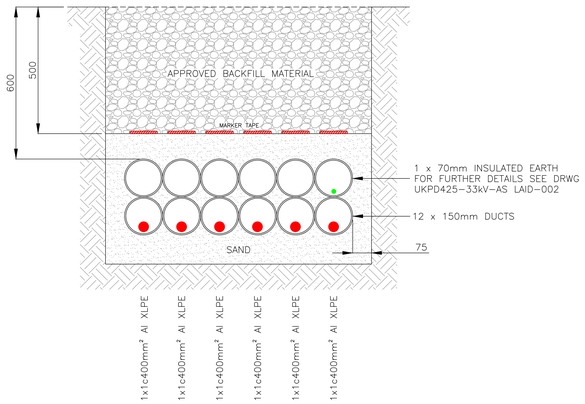
CROSS SECTION A



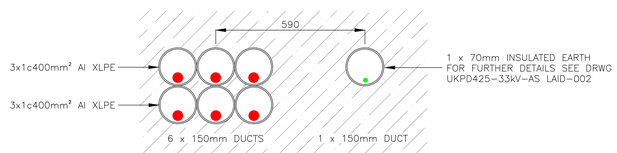
CROSS SECTION B



CROSS SECTION C



CROSS SECTION D



N.T.S.

Legend:

- 3x1c400mm² Al XLPE — 11kV CABLE & CABLE SIZE
- 150mm — 11kV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- STRAIGHT JOINT

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor	Company:
A	25.11.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution
Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: PM	App: JM	SCALE @ A0	1:100
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:200
Status: AS LAID HV			

Drawing Title: HINCKLEY RUGBY ROAD -

Drg No: UKPD425-HV-AS LAID-006 Rev: A

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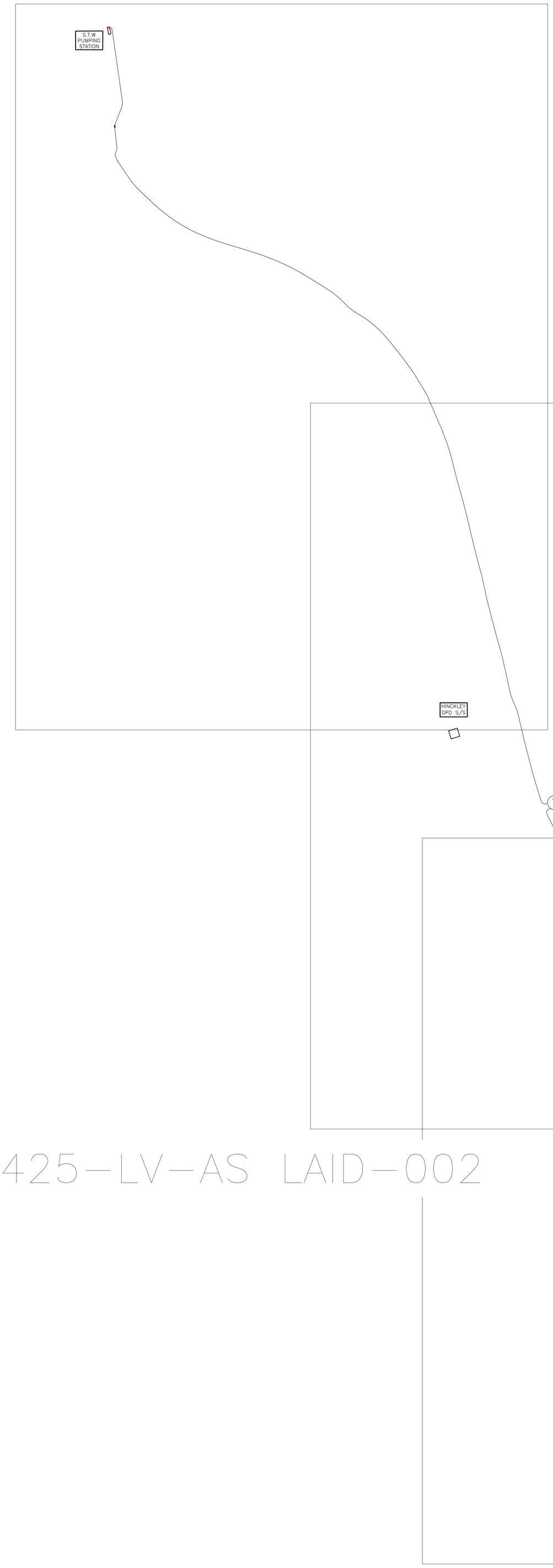
UKPD425-LV-AS LAID-003



UKPD425-LV-AS LAID-002

UKPD425-LV-AS LAID-004

Legend:

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
D	08.03.2021	UPDATED. CABLE & JOINT ADDED	MS	BT	BT	MATRIC ABC
C	09.12.2020	UPDATED	DF	BT	BT	MATRIX ABC
B	01.07.2020	UPDATED	DF	BAH	BAH	MATRIX ABC
A	13.11.2019	FIRST ISSUE	DF	BAH	BAH	MATRIX ABC

UK Power Distribution

Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client: MATRIX NETWORKS

DNO:

Drawn By:	App:	SCALE @ A0	1:250
SMA	MS		
Eng:	**Date:**	**SCALE @ A2**	**1:500**
MS	08.03.2021		

Drawing Title:

HINCKLEY
RUGBY ROAD
ROUTE OVERVIEW

Status: AS LAID LV

Drg No: UKPD425-LV-AS LAID-001

Rev: D

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SEE DRAWING UKPD425-HV-AS LAID- 003
FOR CONTINUATION

E 444682.33
N 290652.48

E 444684.63
N 290646.62

E 444686.92
N 290638.92

E 444689.43
N 290629.37

8 x 150PVC
3c 300Wf

E 444691.98
N 290619.66

E 444694.32
N 290609.95

E 444696.84
N 290600.41

E 444698.73
N 290591.73

E 444700.92
N 290583.23

E 444702.95
N 290575.75

E 444704.75
N 290568.61

E 444705.27
N 290566.51

E 444706.23
N 290562.11

3c 300Wf

E 444706.98
N 290558.64

E 444708.33
N 290554.99

E 444709.57
N 290551.81

E 444712.09
N 290541.07

8 x 150PVC
3c 300Wf

E 444715.05
N 290529.76

E 444719.48
N 290519.63

E 444721.72
N 290520.61

E 444716.97
N 290523.46

E 444718.14
N 290519.98

E 444718.80
N 290519.14

E 444719.80
N 290518.90

E 444720.08
N 290518.48

E 444719.26
N 290517.50

E 444719.70
N 290516.08

E 444721.74
N 290512.45

E 444723.48
N 290509.42

E 444723.66
N 290508.20

E 444723.85
N 290506.99

E 444724.55
N 290505.75

E 444725.13
N 290505.16

HINCKLEY
STREET
LIGHTING
No.1 S/S

P1

E 444723.01
N 290517.55

E 444720.78
N 290516.63

3c 300Wf

SERVICE BREECH JOINT
3c35Wf – 3c300Wf
31.10.18
JOINTER – M. MANSION

E 444724.21
N 290508.99

E 444725.10
N 290508.62

P4

P5

P3

E 444725.58
N 290508.19

E 444725.69
N 290507.61

E 444725.38
N 290507.07

3c35Wf IN 100mm FLEXI DUCT
INTO STREET LIGHTING PILLAR

LV STRAIGHT JOINT
3c 300Wf – 3c 300Wf
26.11.20
JOINTER – R. WHITFIELD

3c 300Wf
IN 150PVC

DUCT LAID BY
DEVELOPER

Potential Bunding

Pool

S/S

HINCKLEY
DPD S/S

S/S

HGV Parking

3c 300Wf
IN 150PVC

DUCT LAID BY
DEVELOPER

SEE DRAWING UKPD425-HV-AS LAID- 004
FOR CONTINUATION

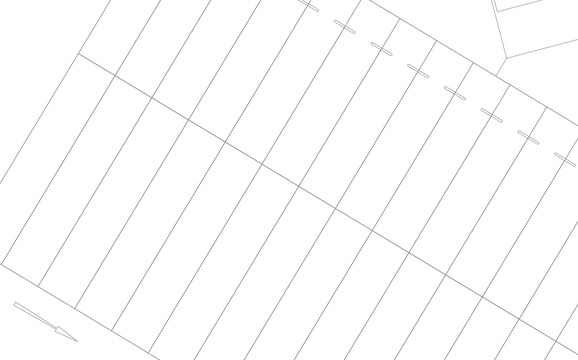
PRINCIPAL QUANTITIES INFO TO 25.02.21			
FROM	TO	SIZE	LENGTH IN m
P8	P9	3c 300Wf	50

PRINCIPAL QUANTITIES INFO TO 26.11.20			
FROM	TO	SIZE	LENGTH IN m
P3	P7	3c 300Wf	260
P7	S/S	3c 35Wf	2

PRINCIPAL QUANTITIES - INFO TO ???			
FROM	TO	SIZE	LENGTH IN m
P2	P6	3c25CNE	35.9

PRINCIPAL QUANTITIES INFO TO 13.11.19			
FROM	TO	SIZE	LENGTH IN m
P1	P2	3c 300Wf	304.7
P1	P3	3c 300Wf	16.2
P4	P5	3c 35Wf	4.2

CROSS SECTION B



Legend:

- 3c 300Wf — LV CABLE & CABLE SIZE
- 150mm — LV CABLE DUCTED & DUCT SIZE
- (A) — CROSS SECTION MARKER
- LV POT END & EARTHING ROD
- LV STRAIGHT JOINT
- LV BREACH JOINT
- 100A SP & N C/O TERMINATION (METERED)
- 200A — 200A, 400A & 600A INDUSTRIAL CUT OUT (RATING)

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
-	-	-	-	-	-	-
D	08.03.2021	UPDATED. CABLE & JOINT ADDED	MS	BT	BT	MATRIC ABC
C	09.12.2020	UPDATED	DF	BT	BT	MATRIX ABC
B	01.07.2020	UPDATED	DF	BAH	BAH	MATRIX ABC
A	13.11.2019	FIRST ISSUE	DF	BAH	BAH	MATRIX ABC

UK Power Distribution

Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client: MATRIX NETWORKS

DNO:

Drawn By: SMA | App: MS | SCALE @ A0 | 1:250

Eng: MS | Date: 08.03.2021 | SCALE @ A2 | 1:500

Status: AS LAID LV

Drawing Title: HINCKLEY RUGBY ROAD

Drg No: UKPD425-LV-AS LAID-002

Rev: D

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S.T.W PUMPING STATION

P6

CUT OUT

E 444566.21
N 290791.70

E 444567.02
N 290791.85

E 444567.06
N 290791.66

E 444567.74
N 290791.42

E 444568.06
N 290790.14

E 444567.48
N 290789.35

E 444566.70
N 290789.18

3c 25CNE

E 444571.52
N 290764.73

MAINS STRAIGHT JOINT
3c300Wf – 3c25CNE
13.05.2020
JOINTER – ROB WHITFIELD

P2

E 444568.84
N 290756.96

3c 300Wf

E 444569.11
N 290752.83

E 444569.56
N 290749.11

E 444568.82
N 290746.91

E 444569.69
N 290744.83

E 444571.90
N 290741.52

E 444573.78
N 290738.81

E 444576.92
N 290734.98

E 444582.51
N 290729.63

8 x 150PVC

E 444589.93
N 290723.77

E 444597.83
N 290719.42

E 444607.37
N 290715.85

E 444615.66
N 290713.35

8 x 150PVC
3c 300Wf

E 444625.80
N 290709.65

E 444634.68
N 290705.12

E 444643.26
N 290699.80

E 444649.39
N 290694.66

E 444653.02
N 290691.70

E 444659.79
N 290686.97

E 444666.25
N 290679.86

E 444673.22
N 290670.58

E 444677.87
N 290662.91

E 444682.33
N 290652.48

E 444684.63
N 290646.62

E 444686.92
N 290638.92

E 444689.43
N 290629.37

8 x 150PVC
3c 300Wf

E 444691.98
N 290619.66

E 444694.32
N 290609.95

E 444696.84
N 290600.41

E 444698.73
N 290591.73

E 444700.92
N 290583.23

E 444702.95
N 290575.75

E 444704.75
N 290568.61

E 444705.27
N 290566.51

E 444706.23
N 290562.11

E 444706.98
N 290558.64

E 444708.33
N 290554.99

E 444709.57
N 290551.81

3c 300Wf

Attenuation Pond
620m³

Potential Bunding

Car Parking

Deliveries

in Store

Securit

SEE DRAWING UKPD425-HV-AS LAID-002
FOR CONTINUATION

CROSS SECTION B

Legend:

- 3c 300Wf — LV CABLE & CABLE SIZE
- 150mm — LV CABLE DUCTED & DUCT SIZE
- (A) — CROSS SECTION MARKER
- LV POT END & EARTHING ROD
- LV STRAIGHT JOINT
- LV BREACH JOINT
- 100A SP & N C/O TERMINATION (METERED)
- 200A — 200A, 400A & 600A INDUSTRIAL CUT OUT (RATING)

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
D	08.03.2021	UPDATED. CABLE & JOINT ADDED	MS	BT	BT	MATRIC ABC
C	09.12.2020	UPDATED	DF	BT	BT	MATRIX ABC
B	01.07.2020	UPDATED	DF	BAH	BAH	MATRIX ABC
A	13.11.2019	FIRST ISSUE	DF	BAH	BAH	MATRIX ABC

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Client: MATRIX NETWORKS

DNO:

Drawn By: SMA | App: MS | SCALE @ A0 | 1:250

Eng: MS | Date: 08.03.2021 | SCALE @ A2 | 1:500

Drawing Title: HINCKLEY RUGBY ROAD

Status: AS LAID LV

Drg No: UKPD425-LV-AS LAID-003

Rev: D

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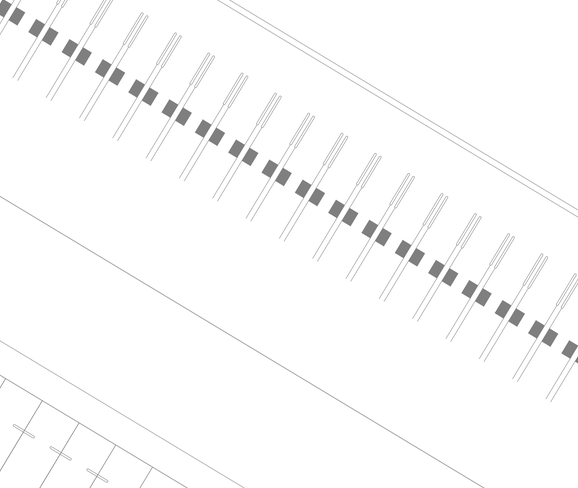
FOR CONTINUATION

E 444719.70
N 290516.08
E 444721.74
N 290512.45
E 444723.48
N 290509.42
E 444723.66
N 290508.20
E 444723.85
N 290506.99
E 444724.55
N 290505.75
E 444725.13
N 290505.16
P4
P5
P3
E 444725.10
N 290508.62
E 444725.58
N 290508.19
E 444725.69
N 290507.61
E 444725.38
N 290507.07
S/S
3c35Wf IN 100mm FLEXI DUCT INTO STREET LIGHTING PILLAR
LV STRAIGHT JOINT
3c 300Wf – 3c 300Wf
26.11.20
JOINTER – R. WHITFIELD
3c 300Wf IN 150PVC
DUCT LAID BY DEVELOPER
HGV Parking
3c 300Wf IN 150PVC
DUCT LAID BY DEVELOPER
Issues
3c 300Wf IN 150PVC
DUCT LAID BY DEVELOPER
Structured Landscape Zone
LV BREECH JOINT
3c 300Wf – 3c 300Wf
25.02.2021
JOINTER – R. WHITFIELD
E 444791.29
N 290300.86
P8
E 444790.69
N 290298.48
LV COMBINED INSULATED END STRAIGHT JOINT
3c 300Wf – 3c 35Wf
26.11.20
JOINTER – R. WHITFIELD
E 444789.97
N 290298.41
E 444789.48
N 290297.27
P7
E 444790.24
N 290296.93
E 444791.13
N 290297.58
3c 35Wf
E 444790.47
N 290297.34
LAID BY DEVELOPER
0.50m Cover
3c 300Wf IN 150PVC
LAID BY DEVELOPER
1.40m Cover
3c 300Wf IN 150PVC
E 444762.05
N 290261.16
P9
E 444762.58
N 290261.04
FEEDER PILLER
E 444761.70
N 290258.61
E 444762.29
N 290258.55
LV COMBINED INSULATED END STRAIGHT JOINT
3c 300Wf – 3c 35Wf
25.02.2021
JOINTER – R. WHITFIELD
Retaining Structure

CROSS SECTION B



Legend:

- 3c 300Wf — LV CABLE & CABLE SIZE
- 150mm — LV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- LV POT END & EARTHING ROD
- LV STRAIGHT JOINT
- LV BREACH JOINT
- 100A SP & N C/O TERMINATION (METERED)
- 200A — 200A, 400A & 600A INDUSTRIAL CUT OUT (RATING)

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
D	08.03.2021	UPDATED. CABLE & JOINT ADDED	MS	BT	BT	MATRIC ABC
C	09.12.2020	UPDATED	DF	BT	BT	MATRIX ABC
B	01.07.2020	UPDATED	DF	BAH	BAH	MATRIX ABC
A	13.11.2019	FIRST ISSUE	DF	BAH	BAH	MATRIX ABC

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Client: MATRIX NETWORKS
DNO:
Drawn By: SMA | App: MS | SCALE @ A0: 1:250
Eng: MS | Date: 08.03.2021 | SCALE @ A2: 1:500
Status: AS LAID LV

Drawing Title: HINCKLEY RUGBY ROAD
Drg No: UKPD425-LV-AS LAID-004
Rev: D

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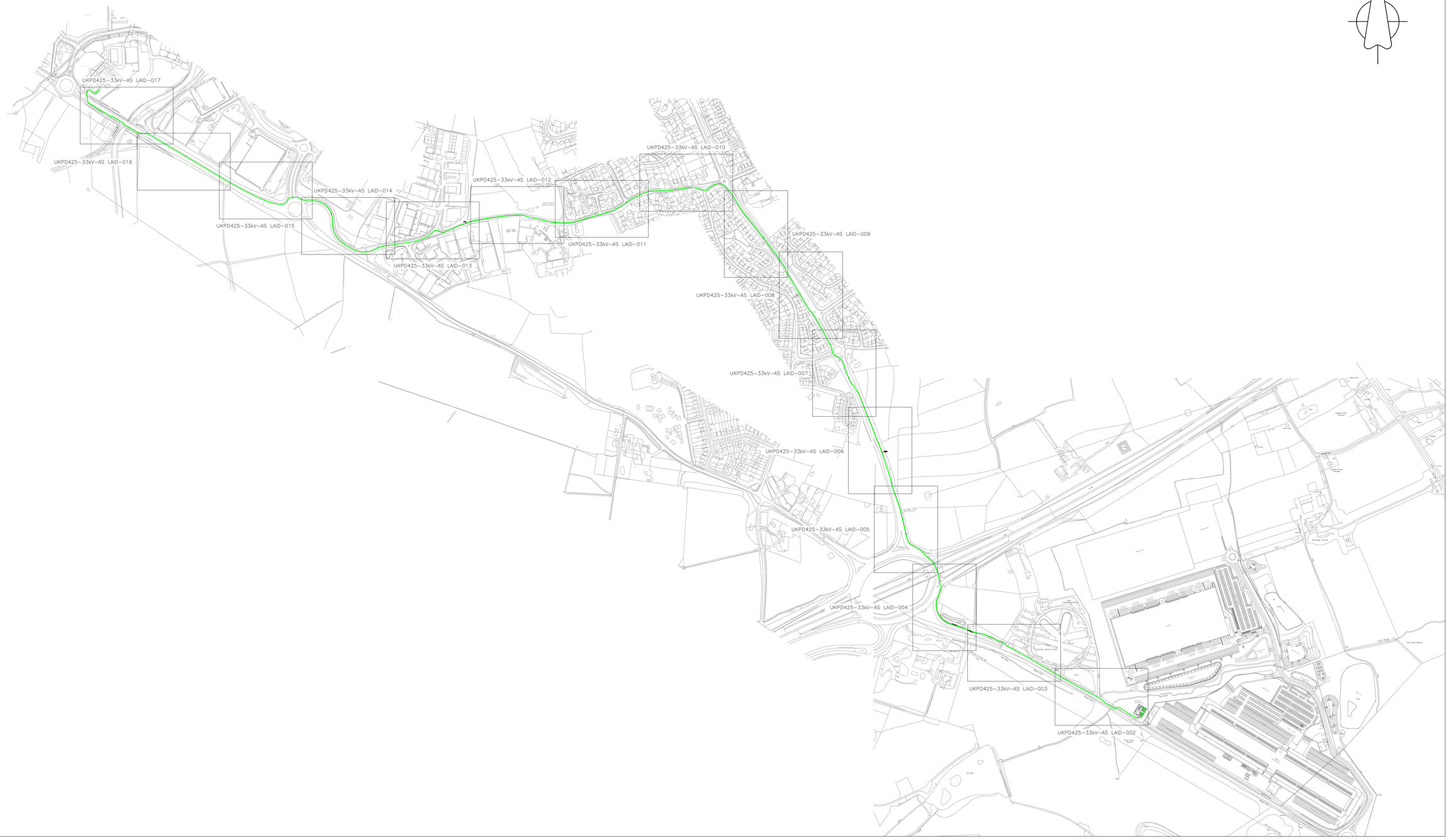

Legend:

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution

Head Office
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Tel: 0844 74 000 74
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Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: PM	App: JM	SCALE @ A0	N/A
Eng: JM	Date: 02.12.2019	SCALE @ A2	N/A
Status:	AS LAID 33kV		

Drawing Title:

HINCKLEY
RUGBY ROAD
OVERVIEW/33kV OPS DIAGRAM

Drg No:	Rev:
UKPD425-33kV-AS LAID-001	A

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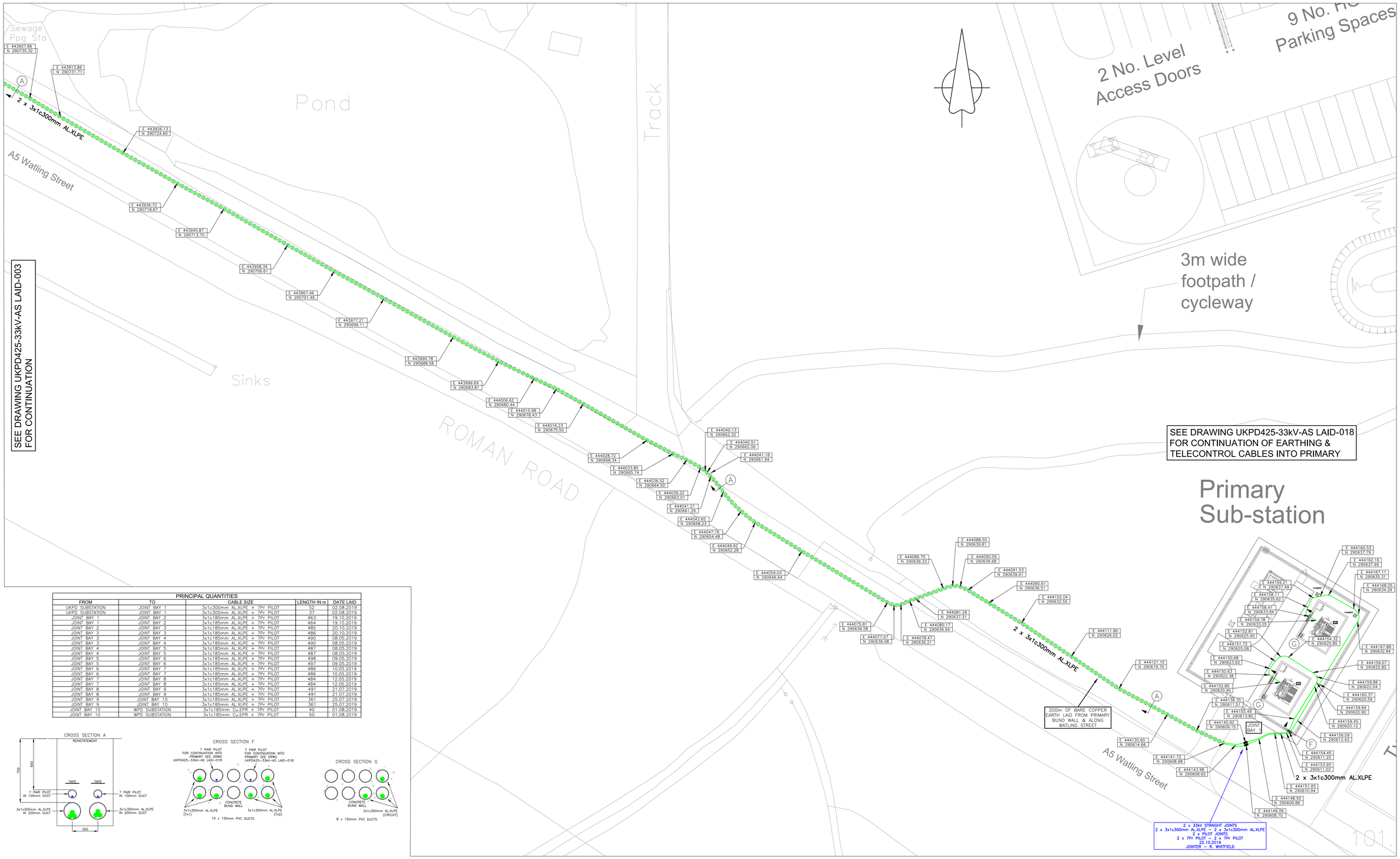

PRINCIPAL QUANTITIES				
FROM	TO	CABLE SIZE	LENGTH IN m	DATE LAID
UKPD SUBSTATION	JOINT BAY 1	3x1c300mm AL.XLPE + 7Pr PILOT	52	02.08.2019
UKPD SUBSTATION	JOINT BAY 1	3x1c300mm AL.XLPE + 7Pr PILOT	37	02.08.2019
JOINT BAY 1	JOINT BAY 2	3x1c185mm AL.XLPE + 7Pr PILOT	463	19.10.2019
JOINT BAY 1	JOINT BAY 2	3x1c185mm AL.XLPE + 7Pr PILOT	464	19.10.2019
JOINT BAY 2	JOINT BAY 3	3x1c185mm AL.XLPE + 7Pr PILOT	485	20.10.2019
JOINT BAY 3	JOINT BAY 3	3x1c185mm AL.XLPE + 7Pr PILOT	486	20.10.2019
JOINT BAY 3	JOINT BAY 4	3x1c185mm AL.XLPE + 7Pr PILOT	490	08.05.2019
JOINT BAY 3	JOINT BAY 4	3x1c185mm AL.XLPE + 7Pr PILOT	490	08.05.2019
JOINT BAY 4	JOINT BAY 5	3x1c185mm AL.XLPE + 7Pr PILOT	487	08.05.2019
JOINT BAY 5	JOINT BAY 6	3x1c185mm AL.XLPE + 7Pr PILOT	498	09.05.2019
JOINT BAY 5	JOINT BAY 6	3x1c185mm AL.XLPE + 7Pr PILOT	497	09.05.2019
JOINT BAY 6	JOINT BAY 7	3x1c185mm AL.XLPE + 7Pr PILOT	486	10.05.2019
JOINT BAY 6	JOINT BAY 7	3x1c185mm AL.XLPE + 7Pr PILOT	486	10.05.2019
JOINT BAY 7	JOINT BAY 8	3x1c185mm AL.XLPE + 7Pr PILOT	484	12.05.2019
JOINT BAY 7	JOINT BAY 8	3x1c185mm AL.XLPE + 7Pr PILOT	484	12.05.2019
JOINT BAY 8	JOINT BAY 9	3x1c185mm AL.XLPE + 7Pr PILOT	491	21.07.2019
JOINT BAY 8	JOINT BAY 9	3x1c185mm AL.XLPE + 7Pr PILOT	491	21.07.2019
JOINT BAY 9	JOINT BAY 10	3x1c185mm AL.XLPE + 7Pr PILOT	361	25.07.2019
JOINT BAY 9	JOINT BAY 10	3x1c185mm AL.XLPE + 7Pr PILOT	361	25.07.2019
JOINT BAY 10	WPD SUBSTATION	3x1c185mm Cu.EPR + 7Pr PILOT	40	01.08.2019
JOINT BAY 10	WPD SUBSTATION	3x1c185mm Cu.EPR + 7Pr PILOT	50	01.08.2019

Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- 0.90m Cover — DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

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Client: MATRIX NETWORKS			
DNO: WPD			
Drawn By: PM	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status: AS LAID 33kV			

Drawing Title: HINCKLEY RUGBY ROAD -

Drg No: UKPD425-33kV-AS LAID-002 | Rev: A

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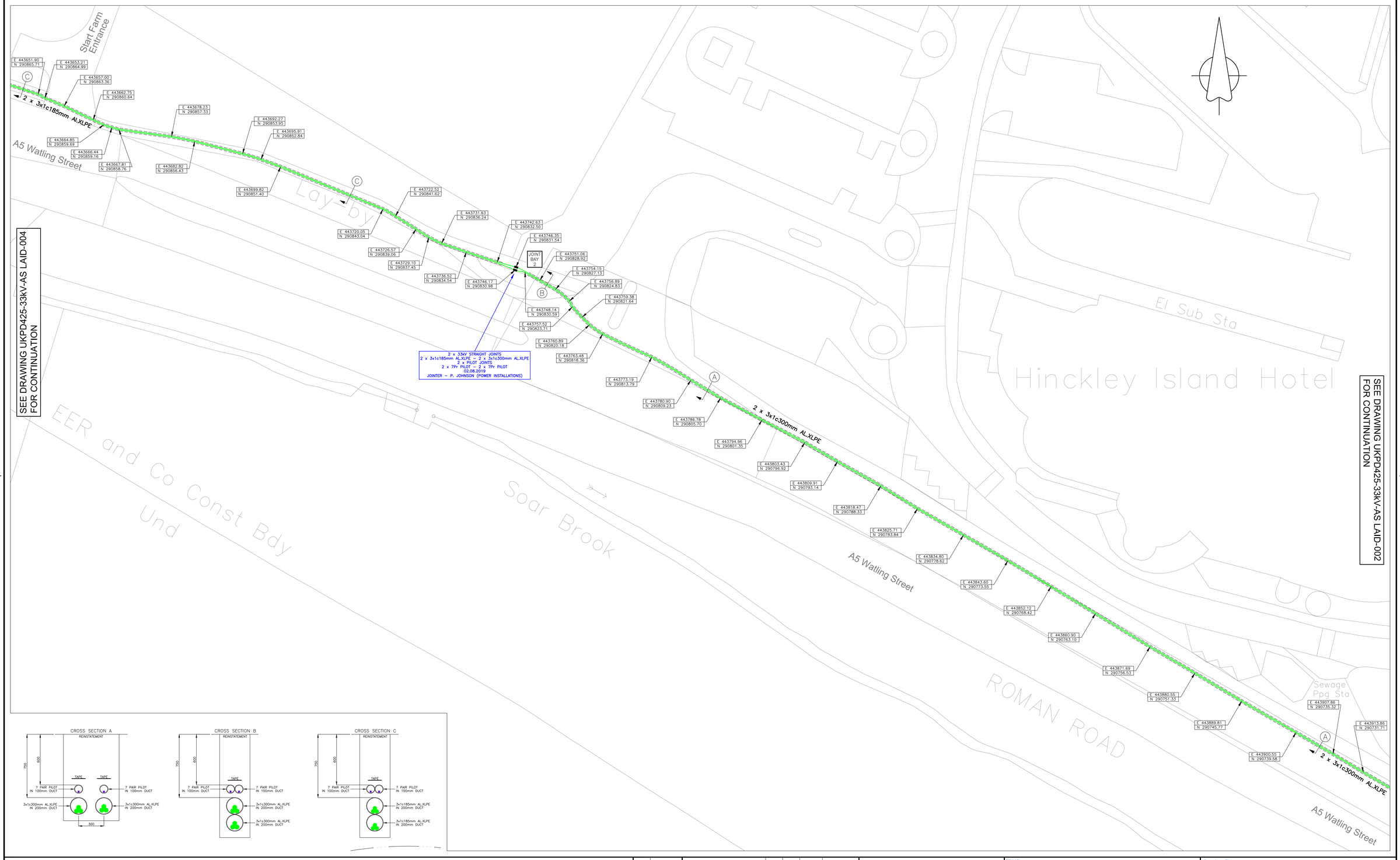

Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE & CABLE SIZE (33kV CABLE)
- 33kV CABLE DUCTED & DUCT SIZE (200mm)
- CROSS SECTION MARKER (A)
- DEPTH MARKER (0.90m Cover)

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution
Head Office
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Tel: 0844 74 000 74
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Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: PM	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status: AS LAID 33kV			

Drawing Title: HINCKLEY RUGBY ROAD -

Drg No: UKPD425-33kV-AS LAID-003 Rev: A

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SEE DRAWING UKPD425-33kV-AS LAID-005
FOR CONTINUATION

2 x 3x1c185mm Al.XLPE

E 443550.06
N 291054.62

E 443555.96
N 291041.98

E 443560.28
N 291029.26

E 443560.93
N 291026.05

E 443561.67
N 291021.51

E 443562.37
N 291018.62

E 443563.23
N 291012.61

E 443565.10
N 291005.23

E 443568.51
N 290991.86

E 443568.89
N 290989.92

E 443568.77
N 290988.13

E 443566.30
N 290982.48

E 443563.84
N 290975.50

E 443561.84
N 290969.12

E 443560.64
N 290966.04

E 443557.76
N 290957.62

E 443555.98
N 290950.95

E 443555.00
N 290943.72

E 443554.87
N 290936.17

E 443555.84
N 290927.99

E 443558.19
N 290919.91

E 443561.55
N 290912.12

E 443565.65
N 290905.52

E 443570.28
N 290899.93

E 443575.78
N 290894.59

E 443581.05
N 290890.72

E 443586.16
N 290887.81

E 443593.37
N 290884.84

E 443600.85
N 290882.57

E 443613.46
N 290878.35

E 443624.39
N 290874.87

E 443635.83
N 290871.05

E 443645.12
N 290867.93

2 x 3x1c185mm Al.XLPE

E 443651.90
N 290865.71

E 443653.21
N 290864.99

E 443657.00
N 290863.36

E 443662.75
N 290860.64

E 443664.85
N 290859.69

E 443666.44
N 290859.16

E 443667.81
N 290858.76

2 x 3x1c185mm Al.XLPE

M 69

M 69

A5

A5 Watling Street

A5 Watling Street

Pond

Start Farm Entrance

C

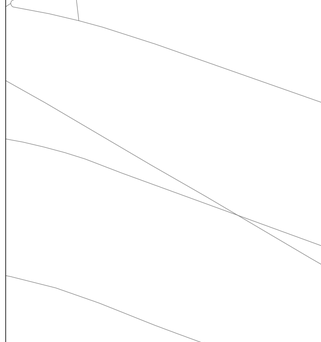
C

D

D

SEE DRAWING UKPD425-33kV-AS LAID-003
FOR CONTINUATION

CROSS SECTION C



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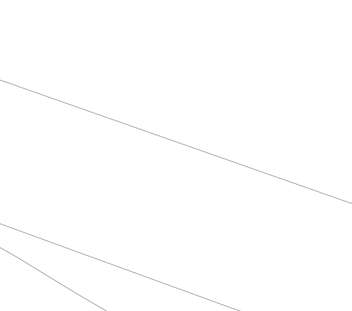

Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE (33kV CABLE & CABLE SIZE)
- 33kV CABLE DUCTED (200mm) & DUCT SIZE
- CROSS SECTION MARKER (A)
- DEPTH MARKER (0.90m Cover)

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	AS	AS	MATRIX ABC

UK Power Distribution

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Client: MATRIX NETWORKS

DNO: WPD

Drawn By:	App:	SCALE @ A0	1:250
PM	JM		
Eng:	**Date:**	**SCALE @ A2**	**1:500**
JM	02.12.2019		

Drawing Title: HINCKLEY
RUGBY ROAD
-

Status: AS LAID 33kV

Drg No: UKPD425-33kV-AS LAID-004

Rev: A

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SEE DRAWING UKPD425-33kV-AS LAID-006
FOR CONTINUATION

2 x 3x1c185mm Al.XLPE

Rugby Road

E 443426.86
N 291282.84

E 443429.93
N 291272.93

E 443433.27
N 291263.31

E 443436.75
N 291254.25

E 443440.28
N 291244.65

E 443443.71
N 291235.23

E 443445.46
N 291229.66

E 443447.56
N 291222.55

E 443449.94
N 291212.56

E 443453.28
N 291199.10

E 443456.18
N 291187.32

E 443459.23
N 291174.43

2 x 3x1c185mm Al.XLPE

2 x 33kV STRAIGHT JOINTS
2 x 3x1c185mm AL.XLPE – 2 x 3x1c185mm AL.XLPE
2 x PILOT JOINTS
2 x 7Pr PILOT – 2 x 7Pr PILOT
21.10.2019
JOINTER – R. WHITFIELD

E 443462.53
N 291160.45

JOINT BAY 3

E 443464.84
N 291150.43

E 443465.71
N 291148.26

E 443465.13
N 291148.11

E 443466.04
N 291145.78

E 443466.34
N 291144.29

E 443467.96
N 291136.83

E 443469.62
N 291131.07

E 443471.78
N 291126.28

E 443473.00
N 291124.26

E 443474.88
N 291121.13

E 443478.42
N 291117.65

E 443482.16
N 291115.72

E 443484.57
N 291114.57

E 443490.55
N 291110.50

E 443492.84
N 291109.29

E 443502.81
N 291103.89

E 443508.88
N 291100.56

E 443510.43
N 291099.52

E 443511.56
N 291098.28

E 443512.70
N 291096.19

E 443515.82
N 291092.41

E 443523.43
N 291084.28

E 443525.62
N 291082.13

E 443530.55
N 291077.93

E 443535.95
N 291073.76

E 443540.31
N 291069.17

E 443544.29
N 291063.77

2 x 3x1c185mm Al.XLPE

E 443550.06
N 291054.62

E 443555.96
N 291041.98

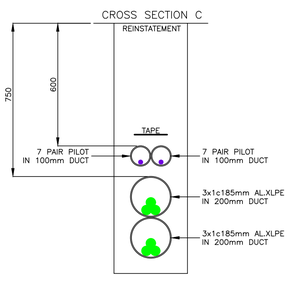
Track

Electricity Pylon Tower

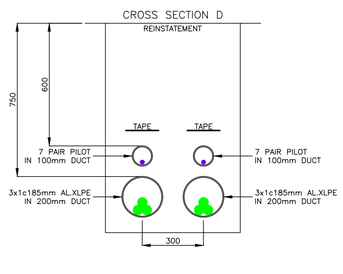
M 69

SEE DRAWING UKPD425-33kV-AS LAID-004
FOR CONTINUATION

CROSS SECTION C



CROSS SECTION D



Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- 0.90m Cover — DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	AS	AS	MATRIX ABC

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DNO: WPD			
Drawn By: PM	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500

Drawing Title: HINCKLEY
RUGBY ROAD
-

Status: AS LAID 33kV

Drg No: UKPD425-33kV-AS LAID-005

Rev: A

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SEE DRAWING UKPD425-33kV-AS LAID-007
FOR CONTINUATION

2 x 3x1c185mm Al.XLPE

E 443343.99
N 291515.98

E 443348.06
N 291505.69

E 443352.73
N 291493.80

E 443357.06
N 291483.21

E 443360.43
N 291474.48

E 443364.63
N 291463.99

E 443368.60
N 291453.93

E 443373.69
N 291440.75

E 443378.09
N 291429.04

E 443379.13
N 291426.57

E 443383.12
N 291418.12

E 443383.76
N 291416.85

E 443386.93
N 291407.99

E 443390.87
N 291397.72

START OF
FOAM CONCRETE

E 443394.62
N 291386.97

E 443397.49
N 291378.78

E 443400.74
N 291369.04

E 443404.28
N 291358.63

E 443407.80
N 291348.01

E 443411.32
N 291337.73

E 443414.92
N 291326.80

E 443417.52
N 291318.53

E 443420.70
N 291308.03

E 443421.23
N 291305.80

E 443422.31
N 291299.17

E 443422.80
N 291297.18

E 443426.86
N 291282.84

E 443429.93
N 291272.93

2 x 3x1c185mm Al.XLPE

Rugby Road

Rugby Road

Rugby Road

Lay-by

Balancing
Pond

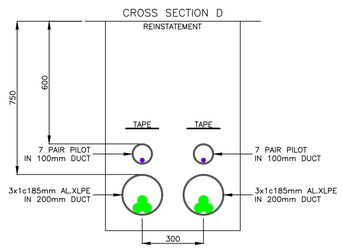
Pond

SUNLOCH CLOSE

11
12
14
20

D

CROSS SECTION D
REINSTATEMENT



SEE DRAWING UKPD425-33kV-AS LAID-005
FOR CONTINUATION

Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- 0.90m Cover — DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	AS	AS	MATRIX ABC

UK Power Distribution

Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client: MATRIX NETWORKS

DNO: WPD

Drawn By:	App:	SCALE @ A0	1:250
PM	JM		
Eng:	**Date:**	**SCALE @ A2**	**1:500**
JM	02.12.2019		

Drawing Title:
HINCKLEY
RUGBY ROAD
-

Status: AS LAID 33kV

Drg No: UKPD425-33kV-AS LAID-006

Rev: A

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SEE DRAWING UKPD425-33kV-AS LAID-008
FOR CONTINUATION

VALIANT CLOSE

SHACKLETON DRIVE

CANBERRA WAY

Rugby Road

THREE POTS ROAD

SUNLOCH CLOSE

Gas Gov

E 443222.17
N 291743.28

E 443229.92
N 291729.33

E 443237.34
N 291715.69

E 443244.48
N 291702.48

E 443247.52
N 291695.91

E 443248.55
N 291690.61

E 443250.22
N 291680.69

E 443251.78
N 291677.51

E 443255.53
N 291673.70

E 443260.27
N 291670.66

E 443266.74
N 291667.09

E 443273.12
N 291661.83

E 443278.07
N 291656.58

E 443282.23
N 291649.43

E 443284.19
N 291644.10

E 443288.67
N 291628.15

E 443290.62
N 291622.70

E 443295.96
N 291609.34

E 443296.73
N 291607.74

E 443297.40
N 291605.39

E 443298.04
N 291605.73

E 443298.44
N 291603.43

E 443300.24
N 291599.93

E 443303.96
N 291593.56

E 443308.25
N 291587.03

E 443317.49
N 291574.76

E 443323.49
N 291565.62

E 443324.05
N 291564.66

E 443326.56
N 291558.78

E 443330.86
N 291548.24

E 443335.60
N 291536.54

E 443339.85
N 291526.20

E 443343.99
N 291515.98

E 443348.06
N 291505.69

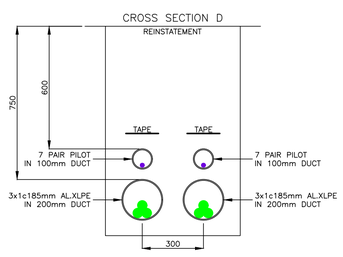
E 443352.73
N 291493.80

2 x 3x1c185mm Al.XLPE

2 x 33kV STRAIGHT JOINTS
2 x 3x1c185mm AL.XLPE — 2 x 3x1c185mm AL.XLPE
2 x PILOT JOINTS
2 x 7Pr PILOT — 2 x 7Pr PILOT
09.05.2019
JOINTER — R. WHITFIELD

JOINT BAY 4

CROSS SECTION D
REINSTATEMENT



SEE DRAWING UKPD425-33kV-AS LAID-006
FOR CONTINUATION

Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE & CABLE SIZE
- 33kV CABLE DUCTED & DUCT SIZE
- CROSS SECTION MARKER
- DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	AS	AS	MATRIX ABC

UK Power Distribution
Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: PM	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500

Drawing Title:
HINCKLEY
RUGBY ROAD
-

Status: AS LAID 33kV

Drg No: UKPD425-33kV-AS LAID-007

Rev: A

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CROSS SECTION D
REINSTATEMENT

Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- 0.90m Cover — DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	AS	AS	MATRIX ABC

UK Power Distribution
Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client: MATRIX NETWORKS
DNO: WPD
Drawn By: PM | App: JM | SCALE @ A0 | 1:250
Eng: JM | Date: 02.12.2019 | SCALE @ A2 | 1:500
Status: AS LAID 33kV

Drawing Title: HINCKLEY RUGBY ROAD -

Drg No: UKPD425-33kV-AS LAID-008 | Rev: A

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SEE DRAWING UKPD425-33kV-AS LAID-010
FOR CONTINUATION

2x3x1c185mm AL.XLPE

Rugby Road

E 442951.77
N 292149.24

E 442958.76
N 292138.71

E 442966.07
N 292126.84

E 442974.28
N 292113.23

E 442984.75
N 292096.54

E 442992.52
N 292086.08

E 443000.88
N 292075.91

2 x 3x1c185mm Al.XLPE

E 443010.31
N 292064.14

E 443020.83
N 292050.98

Rugby Road

Sketchley Hill Primary School

121.6m

ARMOUR CLOSE

2 x 33kV STRAIGHT JOINTS
2 x 3x1c185mm AL.XLPE – 2 x 3x1c185mm AL.XLPE
2 x PILOT JOINTS
2 x 7Pr PILOT – 2 x 7Pr PILOT
10.05.2019
JOINTER – R. WHITFIELD

JOINT BAY 5

E 443044.34
N 292021.00

E 443048.06
N 292015.96

E 443046.80
N 292017.63

E 443050.64
N 292012.84

E 443047.55
N 292015.56

E 443049.61
N 292014.09

E 443060.60
N 291999.58

E 443069.75
N 291987.29

E 443078.80
N 291975.15

E 443087.78
N 291963.13

E 443093.20
N 291954.91

Rugby Road

2 x 3x1c185mm Al.XLPE

E 443102.55
N 291941.68

E 443111.44
N 291928.74

E 443112.34
N 291927.01

E 443112.68
N 291924.59

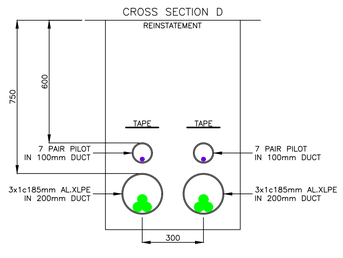
E 443113.00
N 291920.72

E 443113.26
N 291919.01

E 443114.64
N 291916.11

SEE DRAWING UKPD425-33kV-AS LAID-008
FOR CONTINUATION

CROSS SECTION D



Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE & CABLE SIZE (33kV CABLE)
- 33kV CABLE DUCTED & DUCT SIZE (200mm)
- CROSS SECTION MARKER (A)
- DEPTH MARKER (0.90m Cover)

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	AS	AS	MATRIX ABC

UK Power Distribution
Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: PM	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500

Drawing Title:
HINCKLEY
RUGBY ROAD
-

Status: AS LAID 33kV

Drg No: UKPD425-33kV-AS LAID-009

Rev: A

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SEE DRAWING UKPD425-33kV-AS LAID-011
FOR CONTINUATION

SEE DRAWING UKPD425-33kV-AS LAID-009
FOR CONTINUATION

JOHN'S CLOSE
Rugby Road
Sketchley Lane
PIKE CLOSE
HERALD WAY
LANCE CLOSE
Hedges
Rosewood
Avon Lodge
Lynwood
Acrefair
Oakdale
Hollyoak
2 x 3x1c185mm Al.XLPE
2x3x1c185mm Al.XLPE
E 442688.86 N 292143.82
E 442698.98 N 292148.09
E 442712.63 N 292152.66
E 442725.56 N 292153.73
E 442736.27 N 292153.77
E 442748.52 N 292154.52
E 442763.64 N 292154.04
E 442774.64 N 292155.22
E 442784.41 N 292159.17
E 442805.86 N 292159.90
E 442824.45 N 292162.70
E 442834.89 N 292164.51
E 442833.80 N 292164.36
E 442844.37 N 292163.66
E 442852.82 N 292162.34
E 442859.84 N 292160.17
E 442871.02 N 292156.02
E 442872.87 N 292155.18
E 442875.23 N 292154.68
E 442877.87 N 292155.08
E 442880.55 N 292156.20
E 442882.77 N 292157.64
E 442885.08 N 292159.47
E 442887.74 N 292161.66
E 442892.40 N 292165.87
E 442897.42 N 292169.16
E 442903.28 N 292172.30
E 442910.36 N 292174.65
E 442913.11 N 292175.11
E 442921.67 N 292175.32
E 442926.80 N 292174.19
E 442930.58 N 292172.14
E 442934.00 N 292169.34
E 442942.57 N 292160.58
E 442951.77 N 292149.24

CROSS SECTION D
REINSTATEMENT
750
600
TAPE
TAPE
7 PAIR PILOT IN 100mm DUCT
7 PAIR PILOT IN 100mm DUCT
3x1c185mm AL.XLPE IN 200mm DUCT
3x1c185mm AL.XLPE IN 200mm DUCT
300

Legend:
- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- A — 0.90m Cover — CROSS SECTION MARKER / DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution
Head Office
6500 Daresbury Park
Daresbury
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WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: PM	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status: AS LAID 33kV			

Drawing Title:
HINCKLEY
RUGBY ROAD
-

Drg No: UKPD425-33kV-AS LAID-010
Rev: A

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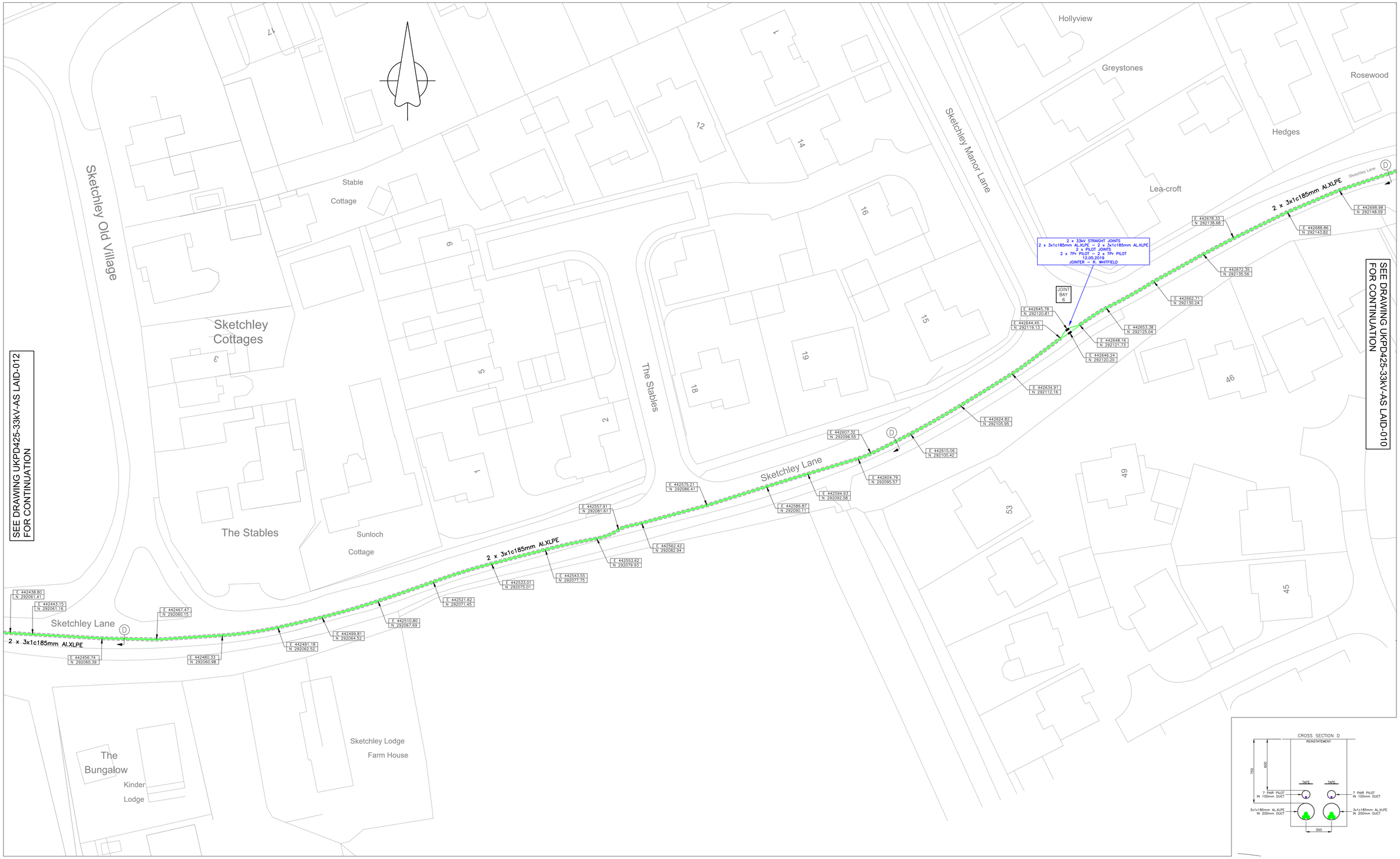

Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- A / 0.90m Cover — CROSS SECTION MARKER
- DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution

Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client:	MATRIX NETWORKS		
NNO:	WPD		
Drawn By: PM	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status: AS LAID 33kV			

Drawing Title: HINCKLEY RUGBY ROAD -

Drg. No: UKPD425-33kV-AS LAID-011 | Rev: A

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SEE DRAWING UKPD425-33kV-AS LAID-013
FOR CONTINUATION

SEE DRAWING UKPD425-33kV-AS LAID-011
FOR CONTINUATION

SKETCHLEY OLD VILLAGE

Sketchley Old Village

Pond

Sketchley Lane

2 x 3x1c185mm Al.XLPE

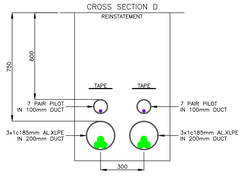
E 442196.67 N 292065.85
E 442210.07 N 292067.97
E 442225.94 N 292070.84
E 442240.92 N 292073.37
E 442255.49 N 292075.64
E 442269.72 N 292077.52
E 442284.64 N 292079.50
E 442303.29 N 292081.44
E 442325.02 N 292082.89
E 442335.51 N 292082.82
E 442346.05 N 292081.68
E 442352.87 N 292079.59
E 442371.95 N 292074.65
E 442390.16 N 292070.55
E 442393.98 N 292069.88
E 442396.18 N 292075.69
E 442402.26 N 292067.79
E 442413.01 N 292064.87
E 442426.62 N 292062.53
E 442431.88 N 292061.88
E 442434.61 N 292061.67
E 442438.80 N 292061.41
E 442443.15 N 292061.16
E 442456.74 N 292060.39

Sketchley Meadows
Business Park

The Bungalow

Sketchley Grange Hotel

CROSS SECTION D
REINSTATEMENT



Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- 0.90m Cover — DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
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UK Power Distribution

Head Office
6500 Daresbury Park
Daresbury
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WA4 4GE
Tel: 0844 74 000 74
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Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: PM	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status: AS LAID 33kV			

Drawing Title:
HINCKLEY
RUGBY ROAD
-

Drg No:	Rev:
UKPD425-33kV-AS LAID-012	A

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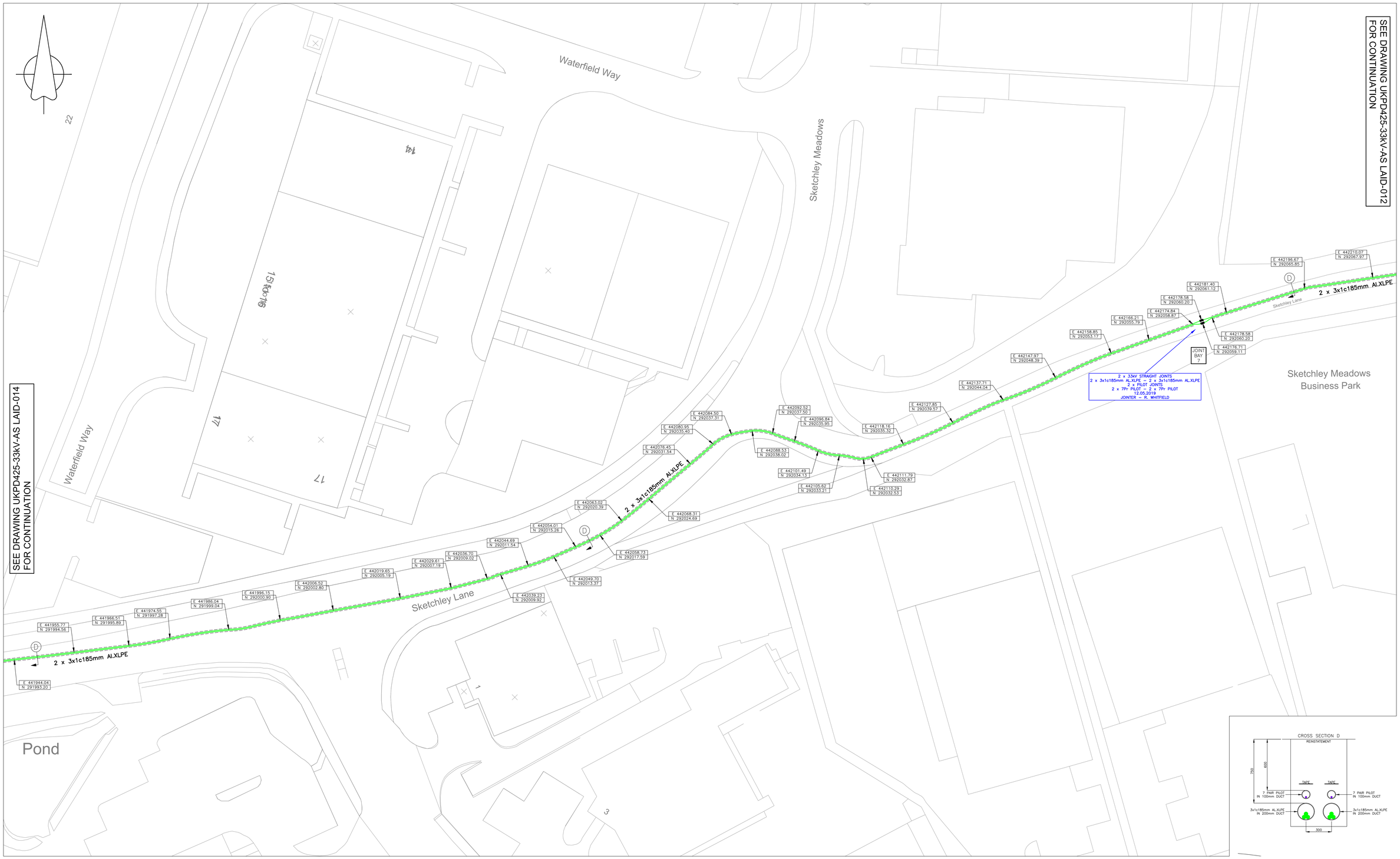

Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- CROSS SECTION MARKER
- 0.90m Cover — DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution

Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client: MATRIX NETWORKS			
DNO: WPD			
Drawn By: PM	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status: AS LAID 33kV			

Drawing Title: HINCKLEY RUGBY ROAD -

Drg No: UKPD425-33kV-AS LAID-013 Rev: A

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SEE DRAWING UKPD425-33kV-AS LAID-015 FOR CONTINUATION

SEE DRAWING UKPD425-33kV-AS LAID-013 FOR CONTINUATION

2x3x1c185mm Al.XLPE

2 x 33kV STRAIGHT JOINTS
2 x 3x1c185mm AL.XLPE – 2 x 3x1c185mm AL.XLPE
2 x PILOT JOINTS
2 x 7Pr PILOT – 2 x 7Pr PILOT
21.07.2019
JOINTER – R. WHITFIELD

JOINT BAY B

2 x 3x1c185mm Al.XLPE

2 x 3x1c185mm AL.XLPE

E 441699.30 N 292126.84
E 441705.29 N 292125.66
E 441710.27 N 292124.19
E 441732.72 N 292124.46
E 441694.30 N 292128.26
E 441707.95 N 292124.99
E 441715.80 N 292123.99
E 441724.55 N 292124.65
E 441739.93 N 292123.00
E 441747.12 N 292120.87
E 441755.22 N 292117.03
E 441762.16 N 292112.38
E 441768.30 N 292107.08
E 441773.37 N 292101.10
E 441777.83 N 292093.84
E 441780.47 N 292088.56
E 441781.48 N 292086.29
E 441780.96 N 292086.17
E 441781.70 N 292084.17
E 441783.27 N 292077.32
E 441784.08 N 292068.80
E 441784.10 N 292060.05
E 441784.61 N 292049.97
E 441785.71 N 292043.50
E 441788.00 N 292035.76
E 441791.57 N 292027.55
E 441795.73 N 292020.10
E 441800.03 N 292014.01
E 441804.87 N 292008.59
E 441812.64 N 292001.75
E 441821.79 N 291995.81
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E 441841.55 N 291984.21
E 441848.01 N 291980.50
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E 441859.03 N 291976.61
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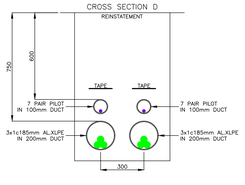
E 441874.84 N 291974.32
E 441883.17 N 291974.57
E 441890.94 N 291975.66
E 441898.96 N 291977.79
E 441906.33 N 291981.04
E 441913.56 N 291984.53
E 441921.12 N 291987.57
E 441929.21 N 291990.29
E 441936.05 N 291991.90
E 441944.04 N 291993.20
E 441955.77 N 291994.56
E 441966.51 N 291995.89

Sketchley Lane
Watling Street
A5
Pond
Gas Gov
Waterfield Way
22
21
20

CROSS SECTION D
REINSTATEMENT



Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- 0.90m Cover — DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution
Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client: MATRIX NETWORKS
DNO: WPD
Drawn By: PM | App: JM | SCALE @ A0: 1:250
Eng: JM | Date: 02.12.2019 | SCALE @ A2: 1:500
Status: AS LAID 33kV

Drawing Title:
HINCKLEY
RUGBY ROAD
-

Drg No: UKPD425-33kV-AS LAID-014
Rev: A

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SEE DRAWING UKPD425-33kV-AS LAID-016
FOR CONTINUATION

SEE DRAWING UKPD425-33kV-AS LAID-014
FOR CONTINUATION

E 441453.24
N 292195.74

2 x 3x1c185mm Al.XLPE

E 441463.86
N 292189.35

E 441473.65
N 292183.63

E 441483.70
N 292177.72

E 441492.54
N 292172.73

E 441502.89
N 292166.99

E 441513.74
N 292161.12

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E 441699.30
N 292126.84

E 441705.29
N 292125.66

E 441707.95
N 292124.99

E 441710.27
N 292124.19

2x3x1c185mm Al.XLPE

E 441715.80
N 292123.99

E 441724.55
N 292124.65

Neovia

El Sub Sta

ESS

Logix Road

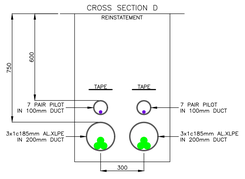
Watling Street

Watling Street

Sketchley Lane

Watling Street

CROSS SECTION D
REINSTATEMENT



Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- A — CROSS SECTION MARKER
- A, 0.90m Cover — DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution

Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: PM	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status: AS LAID 33kV			

Drawing Title:
HINCKLEY
RUGBY ROAD
-

Drg No: UKPD425-33kV-AS LAID-015

Rev: A

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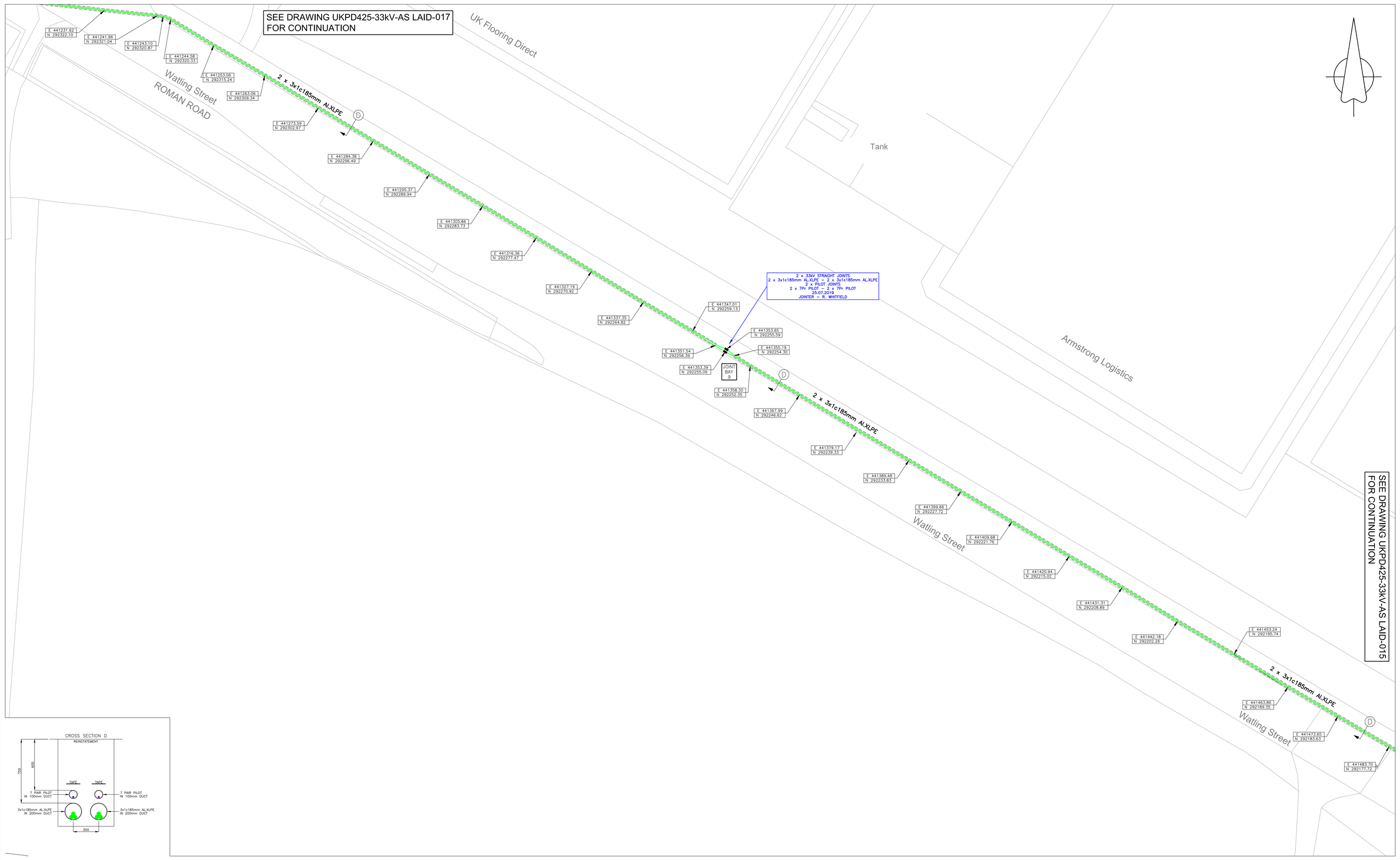
SEE DRAWING UKPD425-33kV-AS LAID-017
FOR CONTINUATION

SEE DRAWING UKPD425-33kV-AS LAID-015
FOR CONTINUATION



Legend:

- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- CROSS SECTION MARKER (A)
- 0.90m Cover — DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution
Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: PM	App: JM	SCALE @ A0	1:250
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:500
Status: AS LAID 33kV			

Drawing Title:
HINCKLEY
RUGBY ROAD
-

Drg. No: UKPD425-33kV-AS LAID-016

Rev: A

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Primary Sub-station
(200mm PVC ENTRY DUCTS)

E 441076.07 N 292447.01
E 441070.02 N 292450.95
E 441069.11 N 292450.70
E 441067.51 N 292448.81
E 441065.77 N 292446.43
E 441064.15 N 292444.07
E 441063.94 N 292441.16
E 441064.34 N 292436.90
E 441064.69 N 292433.31
E 441064.99 N 292431.76
E 441079.90 N 292444.42
E 441064.64 N 292443.89
E 441084.23 N 292441.09
E 441086.57 N 292439.76
E 441089.12 N 292439.29
E 441090.67 N 292439.62
E 441091.46 N 292440.28
E 441092.13 N 292441.35
E 441093.28 N 292442.96
E 441093.78 N 292443.55
E 441094.57 N 292444.11
E 441095.65 N 292444.86
E 441097.08 N 292445.31
E 441098.16 N 292446.01
E 441098.71 N 292446.99
E 441100.31 N 292447.60
E 441098.56 N 292448.16
E 441097.81 N 292449.13
E 441096.76 N 292449.68
E 441095.74 N 292450.35
E 441091.56 N 292443.01
E 441091.01 N 292443.27
E 441090.12 N 292443.77

3x1c185mm Cu.EPR
2 x

JOINT BAY 10

2 x 33kV STRAIGHT JOINTS
2 x 3x1c185mm AL.XLPE → 2 x 3x1c185mm Cu.EPR
2 x PILOT JOINTS
2 x 7Pr PILOT → 2 x 7Pr PILOT
23.10.2019
JOINTER – R. WHITFIELD

2 x 3x1c185mm Al.XLPE

E 441068.63 N 292412.12
E 441067.68 N 292414.49
E 441073.16 N 292409.05
E 441067.87 N 292413.71
E 441080.22 N 292404.84
E 441088.45 N 292399.84
E 441099.63 N 292392.93
E 441105.74 N 292388.91
E 441111.52 N 292385.90
E 441117.56 N 292382.56
E 441121.39 N 292380.33
E 441129.06 N 292375.46
E 441133.90 N 292372.35
E 441140.32 N 292371.53
E 441141.92 N 292370.84
E 441137.06 N 292371.52
E 441138.46 N 292371.61
E 441157.20 N 292361.72
E 441168.02 N 292355.26
E 441174.36 N 292348.93
E 441176.20 N 292347.13
E 441179.66 N 292344.55
E 441185.49 N 292341.06
E 441192.16 N 292337.26
E 441198.99 N 292333.23
E 441207.48 N 292328.11
E 441215.69 N 292323.81
E 441217.73 N 292323.67
E 441231.62 N 292322.10
E 441241.96 N 292321.04
E 441243.10 N 292320.87
E 441244.58 N 292320.33
E 441253.06 N 292315.24
E 441263.06 N 292309.34
E 441273.59 N 292302.97
E 441284.38 N 292296.49

2 x 3x1c185mm AL.XLPE

91.0m
92.5m
Watling Street
Watling Street ROMAN ROAD
Towing Path
Ashby de la Zouch Canal
The Lime Kilns Inn (PH)
The Limekilns
The Bungalow
Hydes lane
Travellers Site
Limekiln Bridge
Track
UK Flooring Direct

SEE DRAWING UKPD425-33kV-AS LAID-016 FOR CONTINUATION

CROSS SECTION D
REINSTATEMENT
750
600
TAPE
7 PAIR PILOT IN 100mm DUCT
3x1c185mm AL.XLPE IN 200mm DUCT
300

CROSS SECTION E
REINSTATEMENT
875
750
600
TAPE
7 PAIR PILOT'S
3x1c185mm Cu EPR
300

Legend:
- 33kV STRAIGHT JOINT
- 33kV CABLE — 33kV CABLE & CABLE SIZE
- 200mm — 33kV CABLE DUCTED & DUCT SIZE
- CROSS SECTION MARKER
- A — 0.90m Cover — DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

UK Power Distribution

Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client: MATRIX NETWORKS
DNO: WPD
Drawn By: PM | App: JM | SCALE @ A0: 1:250
Eng: JM | Date: 02.12.2019 | SCALE @ A2: 1:500
Status: AS LAID 33kV

Drawing Title: HINCKLEY RUGBY ROAD -

Drg. No: UKPD425-33kV-AS LAID-017
Rev: A

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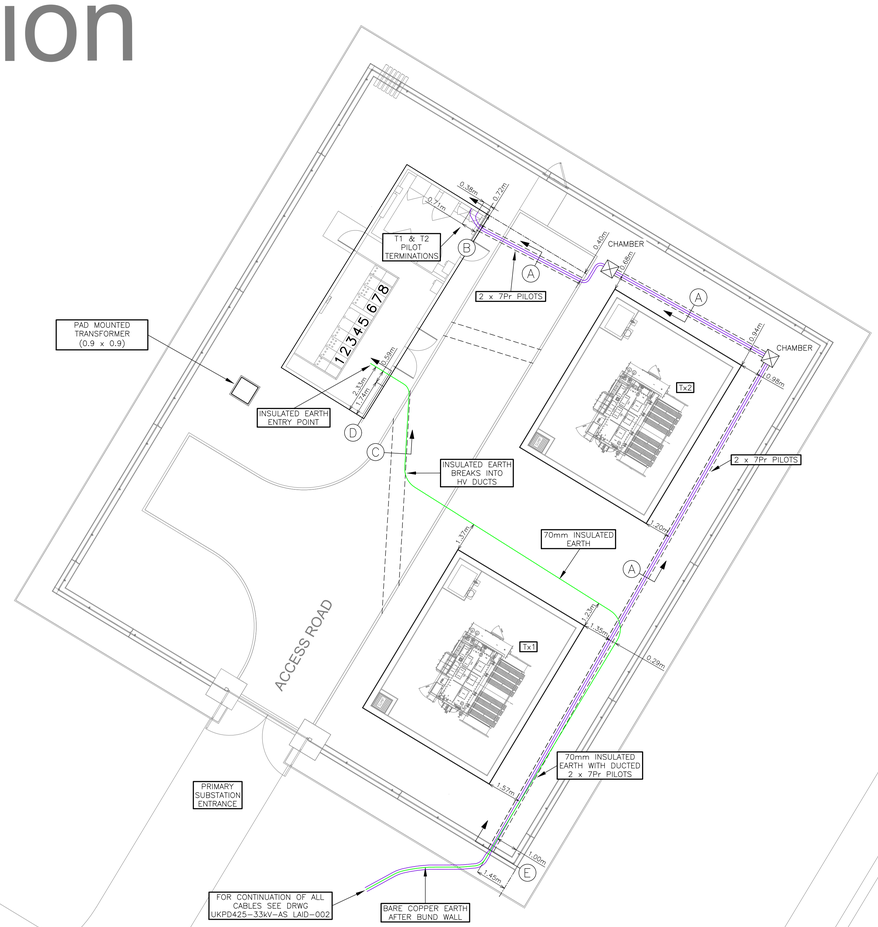
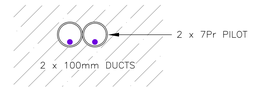
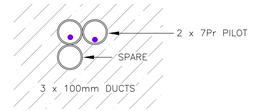
Primary Sub-station



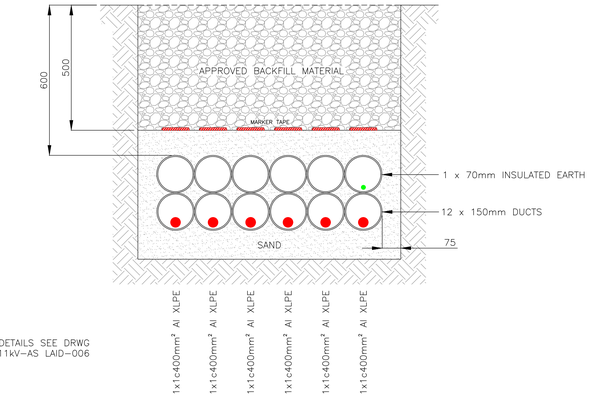
CROSS SECTION A



CROSS SECTION B

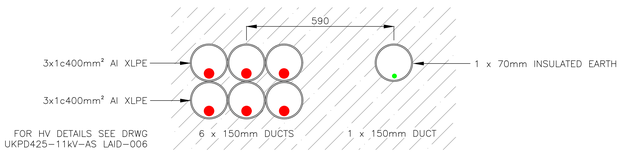


CROSS SECTION C



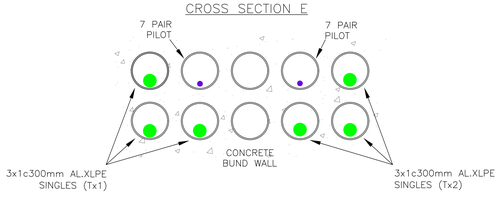
FOR HV DETAILS SEE DRWG UKPD425-11kV-AS LAID-006

CROSS SECTION D



FOR HV DETAILS SEE DRWG UKPD425-11kV-AS LAID-006

CROSS SECTION E



N.T.S.

Legend:

- 70mm INSULATED EARTH
- 7 PAIR PILOT
- 150mm — 70mm INSULATED EARTH & DUCT SIZE
- 150mm — 7 PAIR PILOT & DUCT SIZE
- PILOT CHAMBER
- CROSS SECTION MARKER (A, 0.90m Cover)
- DEPTH MARKER

Rev:	Date:	Details:	Eng:	Chk'd:	Surveyor:	Company:
A	02.12.2019	FIRST ISSUE	JM	BAH	BAH	MATRIX ABC

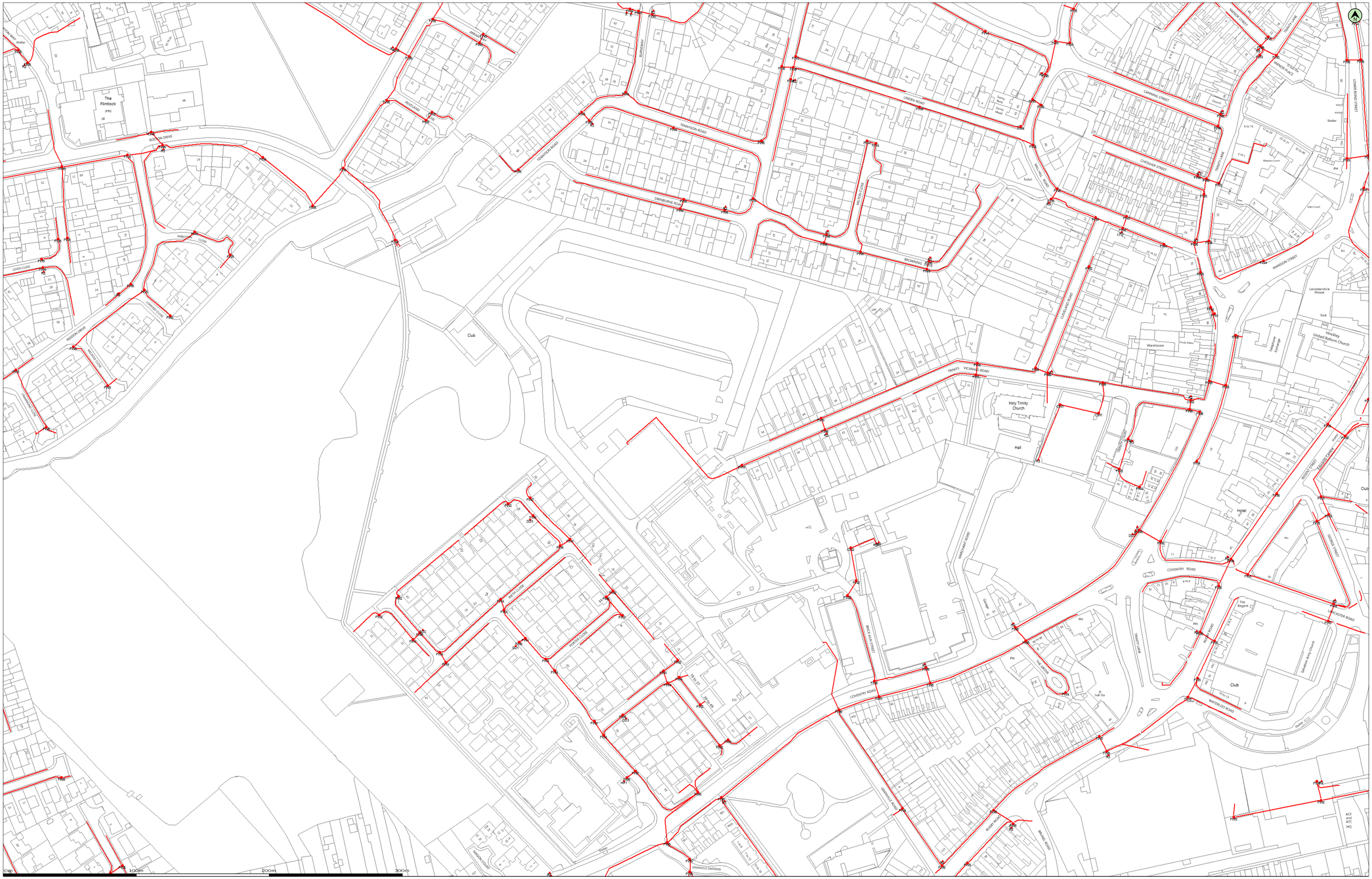
UK Power Distribution

Head Office
6500 Daresbury Park
Daresbury
Warrington
WA4 4GE
Tel: 0844 74 000 74
Fax: 0844 74 000 75

Client:	MATRIX NETWORKS		
DNO:	WPD		
Drawn By: PM	App: JM	SCALE @ A0	1:100
Eng: JM	Date: 02.12.2019	SCALE @ A2	1:200
Status: AS LAID 33kV			

Drawing Title: HINCKLEY RUGBY ROAD -

Org No: UKPD425-33kV-AS LAID-018 Rev: A



(c) Crown copyright and database rights 2025 Ordnance Survey AC0000818557 | Date: 09/01/25 | Scale: 1:1250 | Map Centre: 442068,293855 | Data updated: 02/12/24 | Our Ref: 1655254 - 1 | Telecoms Plan A1 Powered by digdat

Important Information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the "Affected Postcodes.pdf", which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2025 Ordnance Survey AC0000818557.

Duct, Trench | Chamber / Pole | Cabinet

samantha.b@utilitysearches.uk

Hinkley

Samantha B

From: T.N, Vathsala <Vathsala.T.N@atkinsrealis.com>
Sent: 09 January 2025 13:51
To: Samantha B
Subject: RE: Vodafone Plant Enquiry - 35764744 - 00400_Hinkley

Please accept this email as confirmation that Vodafone: Fixed **does not** have apparatus within the vicinity of your proposed works detailed below.

Many thanks.

Plant Enquiries Team(va)
T: +44 (0)1454 662881
E: osm.enquiries@atkinsglobal.com

ATKINS working on behalf of Vodafone: Fixed

This response is made only in respect to electronic communications apparatus forming part of the Vodafone Limited electronic communications network formerly being part of the electronic communications networks of Cable & Wireless UK, Energis Communications Limited, Thus Group Holdings Plc and Your Communications Limited.

PLEASE NOTE:

The information given is indicative only. No warranty is made as to its accuracy. This information must not be solely relied upon in the event of excavation or other works carried out in the vicinity of Vodafone plant. No liability of any kind whatsoever is accepted by Vodafone, its servants, or agents, for any error or omission in respect of information contained on this information. The actual position of underground services must be verified and established on site before any mechanical plant is used. Authorities and contractors will be held liable for the full cost of repairs to Vodafone's apparatus and all claims made against them by Third parties as a result of any interference or damage.

IMPORTANT - PLEASE READ:-
Diversionary works may be necessary if the existing line of the highway/railway or its levels are altered, where apparatus is affected. Where apparatus is affected and requires diversion, you must submit draft details of the proposed scheme with a request for a 'C3 Budget Estimate' to c3requests@vodafone.com These estimates should be provided by Vodafone normally within 20 working days from receipt of your request. Please include proof of this C2 response when requesting a C3 (using the 'forward' option).

Please consider the environment before printing this e-mail

At Atkins - member of the SNC-Lavalin Group, we work flexible hours around the world. Although I have sent this email at a time convenient for me, I don't expect you to respond until it works for you.

From: Samantha B <Samantha.B@utilitysearches.uk>
Sent: 08 January 2025 22:08
To: National Plant Enquiries <OSM.enquiries@atkinsrealis.com>
Subject: Vodafone Plant Enquiry - 35764744 - 00400_Hinkley

Dear Plant Enquiries,

Enquiry: 202501080074

Samantha B

From: Plantenquiries - CA Telecom <plantenquiries@catelecomuk.com>
Sent: 09 January 2025 11:38
To: Samantha B
Subject: RE: Plant Enquiry - 35764744 - 00400_Hinkley

Please Note: Our search criteria has changed. We previously searched for Colt Network which was within 200 metres, this has now changed to 50 metres. The negative response will be for all enquiries that the network is 50 metres or more away from the place of enquiry.

Dear Sir/Madam,

Thank you for your enquiry for the above reference.

We can confirm that Colt Technology Services do not have apparatus near the above location as presented on your submitted plan, if any development or scheme amendments fall outside the 50 metre perimeter new plans must be submitted for review.

Search is based on Overseeing Organisation Agent data supplied; we do not accept responsibility for O.O. Agent inaccurate data.

If we can be of any further assistance please do not hesitate to contact us.

Kind regards,

Plant Enquiry Team

Please consider the environment before printing this email.

This e-mail and any files transmitted with it are confidential and are intended solely for the use of the intended recipient(s). If you are not the intended recipient, you must not copy, distribute or take any action based on this communication. If you have received this communication in error please contact plantenquiries@catelecomuk.com and delete this communication and any copies of it. Any views or opinions presented are solely those of the author and do not necessarily represent those of CA Telecom LTD. CA Telecom LTD monitors e-mails to ensure that its systems operate effectively and to minimise the risk of viruses.

From: Sam B <Samantha.B@utilitysearches.uk>
Sent: 08 January 2025 16:35
To: Plantenquiries - CA Telecom <plantenquiries@catelecomuk.com>
Subject: Plant Enquiry - 35764744 - 00400_Hinkley

Samantha B

From: NRSWA <nrswa.nrswa@sky.uk>
Sent: 08 January 2025 16:53
To: Samantha B
Subject: Plant Enquiry - 35764744 - 00400_Hinkley

Thank you for your enquiry.

Please be advised that Sky Telecommunications Services Ltd will not be affected by your proposal.

Best endeavours have been made to ensure accuracy, however if you require further information, please contact us by email at nrswa@sky.uk.

Regards

NRSWA Department
Sky UK – Technology - Operations
nrswa@sky.uk +44 2070323234

From: Sam B <Samantha.B@utilitysearches.uk>
Sent: 08 January 2025 16:35
To: NRSWA <nrswa.nrswa@sky.uk>
Subject: [EXTERNAL] Plant Enquiry - 35764744 - 00400_Hinkley

Dear Plant Enquiries,

Please search the following location for your plant:

Hinckley, Leicestershire, LE10 0LQ

[442068,293855]

Samantha B

From: Plantenquiries <Plantenquiries@ocugroup.com>
Sent: 09 January 2025 10:25
To: Samantha B
Subject: E01-25-2178 RE: Plant Enquiry - 35764744 - 00400_Hinkley
Attachments: 35764744 - 00400_Hinkley.pdf; Guide To Excavation.pdf

Dear Sir or Madam,

With reference to your enquiry regarding the above noted location, we enclose the drawing(s) indicating the approximate position of services in this area.

We would draw your attention to the fact that while the position of the plant has been shown as accurately as possible, the information is intended as a general guide only and must not be relied upon in the event of any excavations or other work in the vicinity. **We would remind you that the onus remains on you to determine the exact position for example by a hand excavated trial hole.** OCU accepts no liability for claims arising from any inaccuracy, omissions or errors contained herein. If you would like to query the location further, please email us accordingly and we can arrange an in depth survey, which will be charged at a cost. Enclosed is a guide to excavation works around existing plant.

OCU responds to plant enquiries for Lumen Technologies (formerly CenturyLink Communications UK Limited, Level 3, GLOBAL CROSSING (UK) LTD, GLOBAL CROSSING PEC and FIBERNET UK LTD and FIBRESPAN LTD) simultaneously and therefore you only need send one copy of a plant enquiry to cover all of these companies.

Please note that this response is only valid for 3 months. If your works do not commence within this time period, please resubmit your plant enquiry for assessment before any works commence.

Please note that our email address has changed from **plantenquiries@instalcom.co.uk** to **plantenquiries@ocugroup.com**. Could you please update your records accordingly.

Response times for plant requests are up to 10 working days. Please allow for 10 working days to pass before chasing requests.

If you require any further information, please do not hesitate to contact us.

Regards

Plant Enquiries Dept
OCU
Borehamwood Ind. Park
Rowley Lane
Borehamwood
WD6 5PZ

Office: +44 (0)208 731 4613
Fax: +44 (0)208 731 4601
Email: plantenquiries@ocugroup.com
Web: http://www.ocugroup.com

Legend
CW / FW Cable
Fibrespan Cable
Lumen Duct Space
Rail Cable
Roston Dr
Swinburne Rd
Milton Cl
Mill Hill Rd
Cleveland Rd
Trinity Vicarage Rd
LE10 0LQ
B4667
Merchant Rd
Brick Kiln St
B590
Rugby Rd
Rieth Cl
Porter Cl
Short Wy
Google Earth

SPECIAL REQUIREMENTS IN RELATION TO LUMEN TECHNOLOGIES PLANT

1. In this special requirement, the following terms shall have the meanings assigned to it:-

   a. "Company" means Lumen Technologies.

   b. "Company Representative" means the staff of Lumen Technologies or its Authorized Representatives and Agents.

   c. "Apparatus" means all surface or sub-surface equipment and plant including any associated cabling and/or ducting owned leased or rented by Lumen Technologies.

2. Before commencing any work or moving heavy plant or equipment over any portion of the site, the contractor shall confirm details of the Apparatus, owned, leased or rented by the Company, within the site with the Company Representative, who can be contacted at the following point: -

OCU Group
Borehamwood Industrial Park
Rowley Lane
Borehamwood
Hertfordshire
WD6 5PZ
Tel: 0208 731 4600
Fax: 0208 731 4601
E-mail: plantenquiries@ocugroup.com

3. Where such details show that the works or the movement of plant or equipment may endanger the Apparatus of the Company the Contractor must give the Company Representative at least 7 days written notice of the date on which it is intended to commence such works of the movement of plant and equipment in order that the presence of any sub-surface apparatus can be indicated by markers to be supplied by the Company and placed by the Contractor under the supervision of a Company Representative. The Contractor shall ensure that all Company Apparatus, particularly surface running cabling is adequately protected from damage and such protective measures shall be approved by the Company Representative.

4. In the event of a Company marker being disturbed for any reason, it shall not be replaced other than in the exact position of its former depth unless the repositioning is carried out at the direction and under the supervision of a Company Representative.

5. The Contractor shall take particular care in relation to the protection of Company Apparatus, where such Apparatus includes the presence within the site of optical fibre cabling. The contractor should particularly note that the damage to such Apparatus is extremely disruptive to the Company network and costly to reinstate. The Contractor shall make every effort to avoid the disturbance of Company Apparatus more than is absolutely necessary for the completion of the works in accordance with the contract.

6. When excavating around, moving or backfilling around Company Apparatus, the Company Representative shall be given adequate notice, which shall not be less than 3 days, of the contractor's intentions in order that he may supervise the works. The Contractor should note that the normal depth of cover for Company Apparatus and ducts are as follows: -

   a. Carriageways 600mm
   b. Footways 350mm
   c. Verges 450mm

These minimum depths of cover should be maintained wherever possible.

Where the minimum depths of cover cannot be maintained, the Contractor shall carry out the instructions of the Company Representative for the protection of Company Apparatus.

Where cables are not in duct and the required depth of cover cannot be maintained, such cables as are affected shall be enclosed and protected in UPVC duct or equivalent materials as supplied by the Company and by the method directed by the Company Representative.

With regard to excavation in the vicinity of Company Apparatus the Contractor should have particular regard to the possibility of reduced cover and the encountering of such Company Apparatus at depths of cover less than that given at **a, b and c above**.

7. All excavation adjacent to Company Apparatus is to be carried out by hand until the exact extent and/or location of Company Apparatus is known. Mechanical borers and/or excavators shall not be used within 1.0m of Company Apparatus without the supervisory presence of a Company Representative, to prevent any movement of Company Apparatus during excavations, complete shuttering shall be used as directed by the Company Representative if:-

   a. Excavation is deeper than the depth of cover of adjacent Company Apparatus.

   b. Excavation is within 1.0m of Company Apparatus in stable ground.

   c. Excavation is within 5.0m of Company Apparatus in unstable ground.

   If for the completion of the works, the Contractor intends using any of the following: -

   a. Pile driving equipment within 10.0m of Company Apparatus.

   b. Explosives within 20.0m of Company Apparatus.

   c. Laser equipment within 10.0m of Company Apparatus.

   The Contractor shall advise the Company Representative, giving at least 7 working days written notice in order that any special protective measure for the Company Apparatus affected may be arranged.

8. All Company manhole, joint box and /or other access points and chambers within the site shall be kept clear and unobstructed. Access for vehicles, winches, cable drums and/or further equipment required by the Company for the maintenance of it's Apparatus, must be maintained at all reasonable times. The Contractor should particularly note that footway type jointing chambers are not specified for carriageway loadings and will need to be adequately protected and/or demolished and rebuilt under the supervision of a Company Representative where such chambers are likely to be placed at risk, either temporarily or permanently, from the movement of plant and/or equipment on the site.

9. The covers to Company chambers and/or Apparatus shall only be lifted by means of appropriate keys obtained from the Company Representative and under the direct supervision of the Company Representative. No employee of the Contractor or of any sub-contractor employed by the Contractor shall enter any chamber and/or Apparatus of the Company unless under the supervision of the Company Representative and in any case not before the mandatory gas check has been carried out in the presence of the Company Representative and such checks have shown it to be safe to enter the chamber and/or Apparatus of the Company.

   The Company Representatives shall be given reasonable access to all Company Apparatus and chambers when required.

10. In the event of any damage whatsoever to Company Apparatus, the Contractor shall immediately inform the Company Representative and report the occurrence immediately by contacting the Company as follows:-

Telephone:-

0208 731 4600
Mon-Fri Office Hours (OCU Group Office)

0845 330 8615
Out of Office Hours / Weekends

11. The above requirements do not relieve the Contractor of any of his obligations under the Contract.

The accuracy of information on the plans cannot be guaranteed and no liability can be accepted for errors or omissions.

Damage to Communications Plant is Expensive – Please Take Care.

Samantha B

From: UK OSP-Team . <osp-team@verizon.com>
Sent: 14 January 2025 16:37
To: Samantha B; UK OSP-Team
Subject: Re: Plant Enquiry - 35764744 - 00400_Hinkley

Dear Sir/Madam

Verizon is a licensed Statutory Undertaker.

We have reviewed your plans and have determined that Verizon (Formally known as MCI WorldCom, MFS) has no apparatus in the areas concerned.

If you have any further queries please do not hesitate to get in touch.

Yours faithfully

Plant Protection Officer (GGS) Email osp-team@uk.verizon.com

On Wed, 8 Jan 2025 at 16:34, Sam B <Samantha.B@utilitysearches.uk> wrote:

> Dear Plant Enquiries,
>
> Please search the following location for your plant:
>
> Hinckley, Leicestershire, LE10 0LQ
>
> [442068,293855]
>
> A location plan (2 pages) showing the search area is attached. If you have plant within the search area or close to the boundary please provide record drawings, ideally by email attachment. Please provide your information as soon as possible.

bitmap_layout select_raster

LEGEND

EXISTING PLANT

EXISTING PLANT

bitmap_layout select_raster

Head Office
CityFibre Holdings Ltd
15 Bedford Street,
London,
WC2E 9HE

Tel: 0845 293 0774
Web: www.cityfibre.com

Asset Office
CityFibre Holdings Ltd,
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Warrington,
WA3 6ZH

Email: asset.team@cityfibre.com

Disclaimer:

Information shown on this plan is for general guidance only.
No warranty is made as to its accuracy.
This plan must not be solely relied upon in the event of excavation or other works being carried out in the vicinity of Cityfibre plant.
No liability of any kind is accepted by Cityfibre, its agents or servants for any error, omission, discrepancy or deviation. This information is valid for the date printed.

Project

Plant Enquiry

Drawing

Existing Plant

Drawn by:

smallworld

Date: 09/01/2025

Drawing No.

CFH_EP_000001

Revision

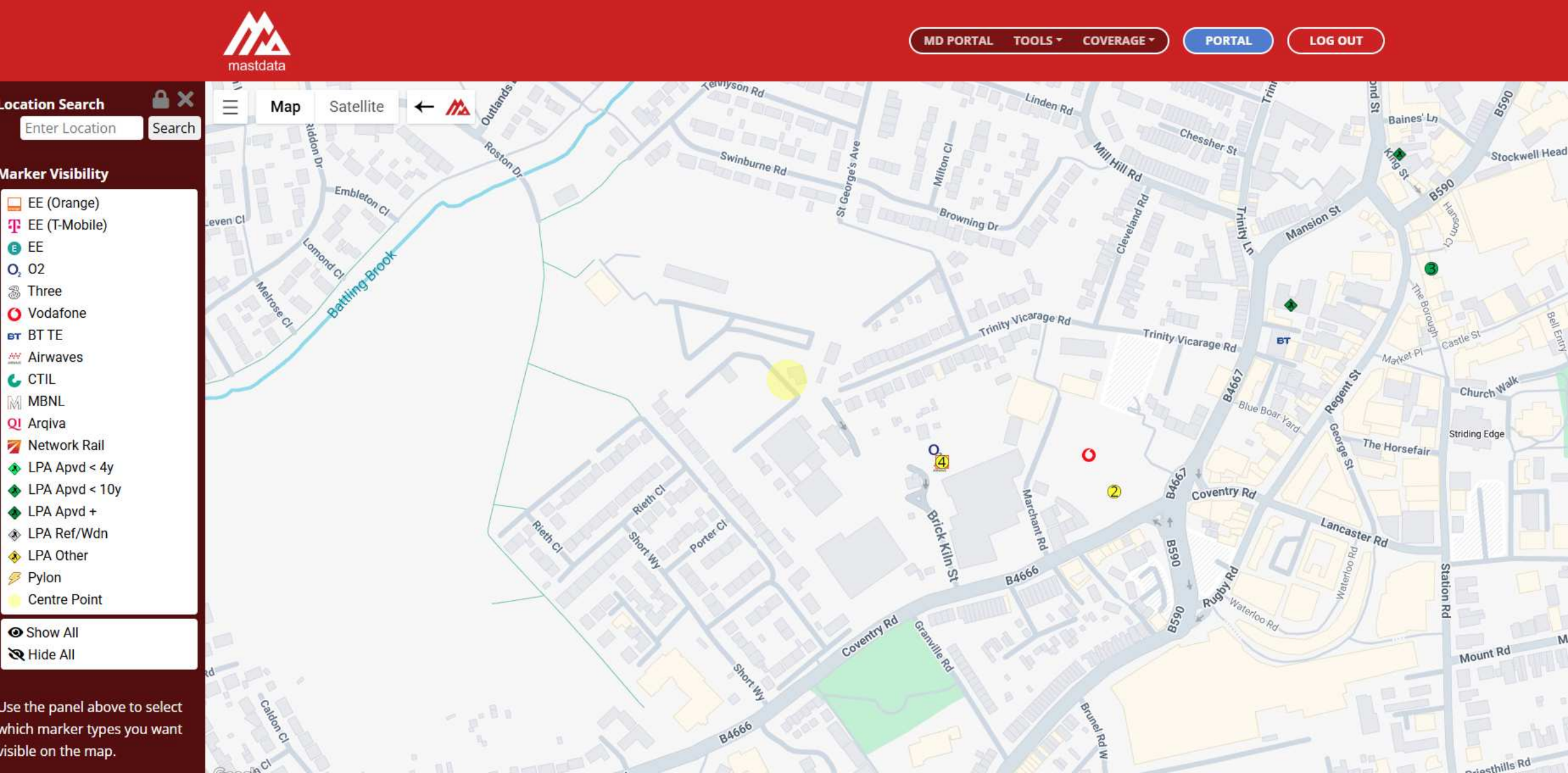
001

Scale: 1:2500

A4

0m 20m 40m 60m 80m 100m

N


mastdata
MD PORTAL
TOOLS
COVERAGE
PORTAL
LOG OUT
Location Search
Enter Location
Search
Marker Visibility
EE (Orange)
EE (T-Mobile)
EE
O2
Three
Vodafone
BT TE
Airwaves
CTIL
MBNL
Arqiva
Network Rail
LPA Apvd < 4y
LPA Apvd < 10y
LPA Apvd +
LPA Ref/Wdn
LPA Other
Pylon
Centre Point
Show All
Hide All
Use the panel above to select which marker types you want visible on the map.
Map
Satellite
Tennyson Rd
Linden Rd
Chessher St
Mill Hill Rd
Swinburne Rd
St George's Ave
Milton Cl
Browning Dr
Cleveland Rd
Trinity Ln
Mansion St
Baines' Ln
Stockwell Head
King St
B590
Hanson Ct
The Borough
Castle St
Market Pl
Bell Entry
Church Walk
Striding Edge
The Horsefair
Regent St
George St
Blue Boar Yard
B4667
Trinity Vicarage Rd
Trinity Vicarage Rd
Outlands
Roston Dr
Riddon Dr
Embleton Cl
Leven Cl
Lomond Cl
Melrose Cl
Battling Brook
Rieth Cl
Rieth Cl
Short Wy
Porter Cl
Brick Kiln St
Marchant Rd
B4666
Coventry Rd
Coventry Rd
Granville Rd
Short Wy
B4666
B590
Rugby Rd
Waterloo Rd
Waterloo Rd
Lancaster Rd
Station Rd
Mount Rd
Brunel Rd W
Caldon Cl
BT

Mobile Mast 166
Hinckley

Mobile Mast Details

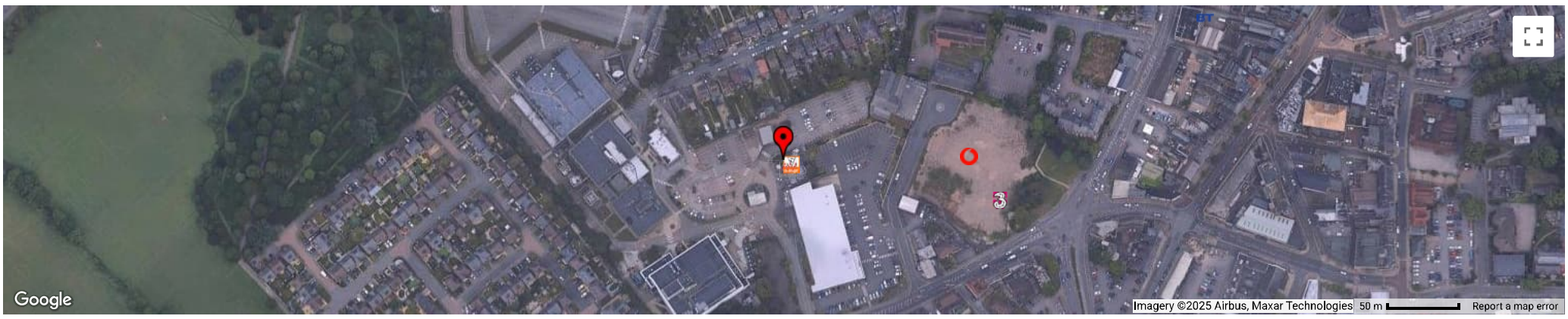
Data Type	Value
1.00 Mastdata ID	66950
4.00 Description	O2 UMTS Microcell
17.00 Ref	166
20.00 MOLO/JV	O2
23.00 Map View Site with masts	HINCKLEY, Hinckley Radio Station - Hinckley Ops. Centre - Brick Kiln street,, HINCKLEY, Leicestershire, LE10 0NA
25.00 Site Share	Multiple Site - 7
30.00 Data Source	Ofcom Sitefinder:O2 (See 20531)(20607)
31.10 Friis Radial Line of Sight	Friis Line of Sight Map - Radial
31.20 Binary Radial Line of Sight	Line of Sight Map - Radial
31.30 1km Grid Line of Sight	Line of Sight Map - 1km Grid - Approx 82km2 (Batch 4083)
31.35 Incoming Los	Los at Location from Nearby Masts [BETA]
31.41 A>B Line of site	Line of site to 390 other masts (Batch 182)
31.42 A>B Line of site [BETA]	Line of Site (LoS) to nearby Infrastructure
31.50 Spatial:Unitary Region	Hinckley and Bosworth District (B)
31.50 Spatial:Historic County	Leicestershire
31.60 Android Signal Survey	Mobile Signal Strength In HINCKLEY
31.70 Best Network Operator	BNO Map from Survey Data [BETA]
32.00 Mcc/Mnc	234/10 O2 Ltd.
34.00 Site Status	Transmitting
37.00 RT/GF/SW	Greenfield
42.10 Antenna	GSM Sectored at 37.5m (1800 MHz 25/32 dBW)
42.10 Antenna	GSM Sectored at 49m (900 MHz 22.45/32 dBW)
42.10 Antenna	UMTS Microcell at 37.5m (2100 MHz 27.29/65 dBW)
42.10 Antenna	UMTS Sectored at 49m (900 MHz 25.45/32 dBW)
42.30 Antenna	UMTS Antenna
46.00 Location	Good Accuracy (Supplied By Operator)
47.10 East/North, click to reposition	442196/293793
47.20 Lat/Long, click to reposition	52.540368/-1.379278
48.10 View On Google Map	Open Google Map In New Tab
48.20 View On Google Streetview	Open Google Streetview In New Tab
49.00 Map Corrections	Reposition History: 2 Records
50.00 Planning Authority	Hinckley and Bosworth
53.00 AMSL/AGL	116m(AMSL) 37.50m(AGL) 153.50m(AMSL+AGL)
54.10 Population/UPRN Count	9285 residents within 1km

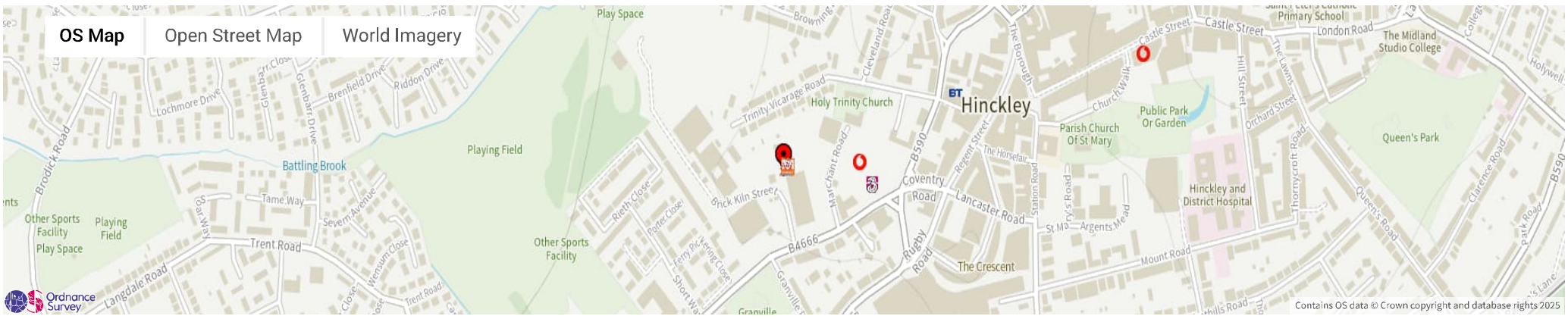
There are no images associated with this mast

Feedback information about this site

Update Site: Feedback

Location of Work/Planning Application





Nearest Mobile Phone Masts

Map	Ref		Mtr	Name	Description	A>B	LoS
Map	23795		10	HINCKLEY SS0044 (THS) 88583, TRANSCO BRICK KILN STREET HINCKLEY HINCKLEY LEICESTERSHIRE , LE10 0NA	[Transmitting] Provider:Three / Site Built	90.00000	51km²
Map	93324		10	B.G HINCKLEY OPERATIONS CENTRE - GRIDCOM, TRANSCO BRICK KILN STREET HINCKLEY LEICESTERSHIRE, LE10 0NA	[Transmitting] Provider:EE / Site Built	90.00000	51km²
Map	17990		10	HINKLEY, TRANSCO, BRICK KILN LANE, HINCKLEY LEICESTER, LEICS, , LE10 0JP	[Transmitting] Provider:EE / Site Built	90.00000	51km²
Map	LEC0001		10	Orange Site, Hinckley, Leicestershire, LE100JT	[Transmitting] Orange UMTS SECTOR	90.00000	91km²
Map	107809		10	Hinckley Radio Station, Transco, Brick Kiln Street, Hinckley, LE10 0NA	[Transmitting] Provider:CTIL / Site Built	90.00000	51km²
Map	LEI038	LEI 038	13	Hinckley Ops , Hinckley Transco HQ, Brick Kiln Street, Hinckley. Leicestershire, Hinckley, Leicestershire, LE10 0JX	[Transmitting] Airwave TETRA Directional	90.00000	75km²
Map	80627		132	Hinckley and Bosworth Leisure Centre	[Transmitting]	11.66023	49km²
Map	93324		157	T-Mobile Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] T-Mobile UMTS SECTOR	15.45512	80km²
Map	LE0358		157	Three Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] Three UMTS Sectored	16.54629	85km²
Map	LE0029	EMHINCK HJB	314	HINCKLEY ATE, Trinity Lane, Hinckley, Leicestershire, Leicestershire, LE10 0BL	[Transmitting]	3.11718	46km²

1 2

Add and view project data

Mobile Mast 23795
Hinckley Ss0044 (Ths) 88583

Mobile Mast Details

Data Type	Value
1.00 Mastdata ID	226383
4.00 Description	Provider:Three / Site Built
17.00 Ref	23795
20.00 MOLO/JV	Three
23.00 Map View Site with masts	HINCKLEY SS0044 (THS) 88583, TRANSCO BRICK KILN STREET HINCKLEY HINCKLEY LEICESTERSHIRE , LE10 0NA
25.00 Site Share	Multiple Site - 7
30.00 Data Source	2015/16 Hinckley and Bosworth:2015/16 Hinckley & Bosworth(20937)
31.10 Friis Radial Line of Sight	Friis Line of Sight Map - Radial
31.20 Binary Radial Line of Sight	Line of Sight Map - Radial
31.30 1km Grid Line of Sight	Line of Sight Map - 1km Grid - Approx 51km2 (Batch 4000)
31.35 Incoming Los	Los at Location from Nearby Masts [BETA]
31.41 A>B Line of site	Line of site to 280 other masts (Batch 327)
31.42 A>B Line of site [BETA]	Line of Site (LoS) to nearby Infrastructure
31.50 Spatial:Unitary Region	Hinckley and Bosworth District (B)
31.50 Spatial:Historic County	Leicestershire
31.60 Android Signal Survey	Mobile Signal Strength
31.70 Best Network Operator	BNO Map from Survey Data [BETA]
32.00 Mcc/Mnc	234/20 H3G Hutchinson
34.00 Site Status	Transmitting
42.30 Antenna	UMTS Antenna
46.00 Location	Good Accuracy (Imported Data from Source (0-10m Accuracy))
47.10 East/North, click to reposition	442202/293784
47.20 Lat/Long, click to reposition	52.540287/-1.379191
48.10 View On Google Map	Open Google Map In New Tab
48.20 View On Google Streetview	Open Google Streetview In New Tab
49.00 Map Corrections	Reposition History: 0 Records
50.00 Planning Authority	Hinckley and Bosworth
52.00 Originating LPA	Hinckley & Bosworth
53.00 AMSL/AGL	116m(AMSL)
54.10 Population/UPRN Count	9248 residents within 1km

There are no images associated with this mast

Feedback information about this site

Update Site: Feedback

Location of Work/Planning Application

Nearest Mobile Phone Masts

Map	Ref		Mtr	Name	Description	A>B	LoS
Map	93324		0	B.G HINCKLEY OPERATIONS CENTRE - GRIDCOM, TRANSCO BRICK KILN STREET HINCKLEY LEICESTERSHIRE, LE10 0NA	[Transmitting] Provider:EE / Site Built	90.00000	51km²
Map	17990		0	HINKLEY, TRANSCO, BRICK KILN LANE, HINCKLEY LEICESTER, LEICS, , LE10 0JP	[Transmitting] Provider:EE / Site Built	90.00000	51km²
Map	LEC0001		0	Orange Site, Hinckley, Leicestershire, LE100JT	[Transmitting] Orange UMTS SECTOR	90.00000	91km²
Map	107809		0	Hinckley Radio Station, Transco, Brick Kiln Street, Hinckley, LE10 0NA	[Transmitting] Provider:CTIL / Site Built	90.00000	51km²
Map	LEI038	LEI 038	4	Hinckley Ops , Hinckley Transco HQ, Brick Kiln Street, Hinckley. Leicestershire, Hinckley, Leicestershire, LE10 0JX	[Transmitting] Airwave TETRA Directional	90.00000	75km²
Map	166		10	HINCKLEY, Hinckley Radio Station - Hinckley Ops. Centre - Brick Kiln street, , HINCKLEY, Leicestershire, LE10 0NA	[Transmitting] O2 UMTS Microcell	90.00000	82km²
Map	80627		126	Hinckley and Bosworth Leisure Centre	[Transmitting]	8.04807	49km²
Map	93324		149	T-Mobile Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] T-Mobile UMTS SECTOR	15.56455	80km²
Map	LE0358		149	Three Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] Three UMTS Sectored	16.68533	85km²
Map	LE0029	EMHINCK HJB	311	HINCKLEY ATE, Trinity Lane, Hinckley, Leicestershire, Leicestershire, LE10 0BL	[Transmitting]	2.48855	46km²

1 2

Add and view project data

(BETA) Project: 1: - Please Select -[1] | Add to Project | Open Project | Project List

Mobile Mast 93324
B.G Hinckley Operations...

Mobile Mast Details

Data Type	Value
1.00 Mastdata ID	226407
4.00 Description	Provider:EE / Site Built
17.00 Ref	93324
20.00 MOLO/JV	MBNL
23.00 Map View Site with masts	B.G HINCKLEY OPERATIONS CENTRE - GRIDCOM, TRANSCO BRICK KILN STREET HINCKLEY LEICESTERSHIRE, LE10 0NA
25.00 Site Share	Multiple Site - 7
30.00 Data Source	2015/16 Hinckley and Bosworth:2015/16 Hinckley & Bosworth(20937)
31.10 Friis Radial Line of Sight	Friis Line of Sight Map - Radial
31.20 Binary Radial Line of Sight	Line of Sight Map - Radial
31.30 1km Grid Line of Sight	Line of Sight Map - 1km Grid - Approx 51km2 (Batch 4000)
31.35 Incoming Los	Los at Location from Nearby Masts [BETA]
31.41 A>B Line of site	Line of site to 280 other masts (Batch 327)
31.42 A>B Line of site [BETA]	Line of Site (LoS) to nearby Infrastructure
31.50 Spatial:Unitary Region	Hinckley and Bosworth District (B)
31.50 Spatial:Historic County	Leicestershire
31.60 Android Signal Survey	Mobile Signal Strength
31.70 Best Network Operator	BNO Map from Survey Data [BETA]
34.00 Site Status	Transmitting
40.00 Superseded Sites	1 superseded sites
42.30 Antenna	UMTS Antenna
46.00 Location	Good Accuracy (Imported Data from Source (0-10m Accuracy))
47.10 East/North, click to reposition	442202/293784
47.20 Lat/Long, click to reposition	52.540287/-1.379191
48.10 View On Google Map	Open Google Map In New Tab
48.20 View On Google Streetview	Open Google Streetview In New Tab
49.00 Map Corrections	Reposition History: 1 Records
50.00 Planning Authority	Hinckley and Bosworth
52.00 Originating LPA	Hinckley & Bosworth
53.00 AMSL/AGL	116m(AMSL)
54.10 Population/UPRN Count	9248 residents within 1km

There are no images associated with this mast

Feedback information about this site

Update Site: Feedback

Location of Work/Planning Application

Nearest Mobile Phone Masts

Map	Ref		Mtr	Name	Description	A>B	LoS
Map	23795		0	HINCKLEY SS0044 (THS) 88583, TRANSCO BRICK KILN STREET HINCKLEY HINCKLEY LEICESTERSHIRE , LE10 0NA	[Transmitting] Provider:Three / Site Built	90.00000	51km²
Map	17990		0	HINKLEY, TRANSCO, BRICK KILN LANE, HINCKLEY LEICESTER, LEICS, , LE10 0JP	[Transmitting] Provider:EE / Site Built	90.00000	51km²
Map	LEC0001		0	Orange Site, Hinckley, Leicestershire, LE100JT	[Transmitting] Orange UMTS SECTOR	90.00000	91km²
Map	107809		0	Hinckley Radio Station, Transco, Brick Kiln Street, Hinckley, LE10 0NA	[Transmitting] Provider:CTIL / Site Built	90.00000	51km²
Map	LEI038	LEI 038	4	Hinckley Ops , Hinckley Transco HQ, Brick Kiln Street, Hinckley. Leicestershire, Hinckley, Leicestershire, LE10 0JX	[Transmitting] Airwave TETRA Directional	90.00000	75km²
Map	166		10	HINCKLEY, Hinckley Radio Station - Hinckley Ops. Centre - Brick Kiln street, , HINCKLEY, Leicestershire, LE10 0NA	[Transmitting] O2 UMTS Microcell	90.00000	82km²
Map	80627		126	Hinckley and Bosworth Leisure Centre	[Transmitting]	8.04807	49km²
Map	93324		149	T-Mobile Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] T-Mobile UMTS SECTOR	15.56455	80km²
Map	LE0358		149	Three Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] Three UMTS Sectored	16.68533	85km²
Map	LE0029	EMHINCK HJB	311	HINCKLEY ATE, Trinity Lane, Hinckley, Leicestershire, Leicestershire, LE10 0BL	[Transmitting]	2.48855	46km²

1 2

Add and view project data

(BETA) Project: 1: - Please Select -[1] | Add to Project | Open Project | Project List

Mobile Mast 17990
Hinkley

Mobile Mast Details

Data Type	Value
1.00 Mastdata ID	226424
4.00 Description	Provider:EE / Site Built
17.00 Ref	17990
20.00 MOLO/JV	EE
23.00 Map View Site with masts	HINKLEY, TRANSCO, BRICK KILN LANE, HINCKLEY LEICESTER, LEICS, , LE10 0JP
25.00 Site Share	Multiple Site - 7
30.00 Data Source	2015/16 Hinckley and Bosworth:2015/16 Hinckley & Bosworth(20937)
31.10 Friis Radial Line of Sight	Friis Line of Sight Map - Radial
31.20 Binary Radial Line of Sight	Line of Sight Map - Radial
31.30 1km Grid Line of Sight	Line of Sight Map - 1km Grid - Approx 51km2 (Batch 4000)
31.35 Incoming Los	Los at Location from Nearby Masts [BETA]
31.41 A>B Line of site	Line of site to 280 other masts (Batch 327)
31.42 A>B Line of site [BETA]	Line of Site (LoS) to nearby Infrastructure
31.50 Spatial:Unitary Region	Hinckley and Bosworth District (B)
31.50 Spatial:Historic County	Leicestershire
31.60 Android Signal Survey	Mobile Signal Strength
31.70 Best Network Operator	BNO Map from Survey Data [BETA]
32.00 Mcc/Mnc	234/30 Everyth. Ev.wh./T-Mobile
34.00 Site Status	Transmitting
42.30 Antenna	UMTS Antenna
46.00 Location	Good Accuracy (Imported Data from Source (0-10m Accuracy))
47.10 East/North, click to reposition	442202/293784
47.20 Lat/Long, click to reposition	52.540287/-1.379191
48.10 View On Google Map	Open Google Map In New Tab
48.20 View On Google Streetview	Open Google Streetview In New Tab
49.00 Map Corrections	Reposition History: 0 Records
50.00 Planning Authority	Hinckley and Bosworth
52.00 Originating LPA	Hinckley & Bosworth
53.00 AMSL/AGL	116m(AMSL)
54.10 Population/UPRN Count	9248 residents within 1km

There are no images associated with this mast

Feedback information about this site

Update Site: Feedback

Location of Work/Planning Application

Nearest Mobile Phone Masts

Map	Ref		Mtr	Name	Description	A>B	LoS
Map	23795		0	HINCKLEY SS0044 (THS) 88583, TRANSCO BRICK KILN STREET HINCKLEY HINCKLEY LEICESTERSHIRE , LE10 0NA	[Transmitting] Provider:Three / Site Built	90.00000	51km²
Map	93324		0	B.G HINCKLEY OPERATIONS CENTRE - GRIDCOM, TRANSCO BRICK KILN STREET HINCKLEY LEICESTERSHIRE, LE10 0NA	[Transmitting] Provider:EE / Site Built	90.00000	51km²
Map	LEC0001		0	Orange Site, Hinckley, Leicestershire, LE100JT	[Transmitting] Orange UMTS SECTOR	90.00000	91km²
Map	107809		0	Hinckley Radio Station, Transco, Brick Kiln Street, Hinckley, LE10 0NA	[Transmitting] Provider:CTIL / Site Built	90.00000	51km²
Map	LEI038	LEI 038	4	Hinckley Ops , Hinckley Transco HQ, Brick Kiln Street, Hinckley. Leicestershire, Hinckley, Leicestershire, LE10 0JX	[Transmitting] Airwave TETRA Directional	90.00000	75km²
Map	166		10	HINCKLEY, Hinckley Radio Station - Hinckley Ops. Centre - Brick Kiln street, , HINCKLEY, Leicestershire, LE10 0NA	[Transmitting] O2 UMTS Microcell	90.00000	82km²
Map	80627		126	Hinckley and Bosworth Leisure Centre	[Transmitting]	8.04807	49km²
Map	93324		149	T-Mobile Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] T-Mobile UMTS SECTOR	15.56455	80km²
Map	LE0358		149	Three Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] Three UMTS Sectored	16.68533	85km²
Map	LE0029	EMHINCK HJB	311	HINCKLEY ATE, Trinity Lane, Hinckley, Leicestershire, Leicestershire, LE10 0BL	[Transmitting]	2.48855	46km²

1 2

Add and view project data

(BETA) Project: 1: - Please Select -[1] | Add to Project | Open Project | Project List

Mobile Mast LEC0001
Orange Site

Mobile Mast Details

Data Type	Value
1.00 Mastdata ID	82964
4.00 Description	Orange UMTS SECTOR
17.00 Ref	LEC0001
20.00 MOLO/JV	EE
23.00 Map View Site with masts	Orange Site, Hinckley, Leicestershire, LE100JT
25.00 Site Share	Multiple Site - 7
30.00 Data Source	Ofcom Sitefinder:Orange (See 20531)(20608)
31.10 Friis Radial Line of Sight	Friis Line of Sight Map - Radial
31.20 Binary Radial Line of Sight	Line of Sight Map - Radial
31.30 1km Grid Line of Sight	Line of Sight Map - 1km Grid - Approx 91km2 (Batch 4073)
31.35 Incoming Los	Los at Location from Nearby Masts [BETA]
31.41 A>B Line of site	Line of site to 397 other masts (Batch 180)
31.42 A>B Line of site [BETA]	Line of Site (LoS) to nearby Infrastructure
31.50 Spatial:Unitary Region	Hinckley and Bosworth District (B)
31.50 Spatial:Historic County	Leicestershire
31.60 Android Signal Survey	Mobile Signal Strength In Hinckley
31.70 Best Network Operator	BNO Map from Survey Data [BETA]
32.00 Mcc/Mnc	234/30 Everyth. Ev.wh./T-Mobile
34.00 Site Status	Transmitting
42.10 Antenna	GSM SECTOR at 45m (1800 MHz 28.4/0 dBW)
42.10 Antenna	UMTS SECTOR at 45m (2100 MHz 26/65 dBW)
42.30 Antenna	UMTS Antenna
46.00 Location	Good Accuracy (Reviewed by User and updated using Google Map)
47.10 East/North, click to reposition	442200/293700
47.20 Lat/Long, click to reposition	52.540285/-1.379191
48.10 View On Google Map	Open Google Map In New Tab
48.20 View On Google Streetview	Open Google Streetview In New Tab
49.00 Map Corrections	Reposition History: 0 Records
50.00 Planning Authority	Hinckley and Bosworth
53.00 AMSL/AGL	116m(AMSL) 45.00m(AGL) 161.00m(AMSL+AGL)
54.10 Population/UPRN Count	9246 residents within 1km

There are no images associated with this mast

Feedback information about this site

Update Site: Feedback

Location of Work/Planning Application

Nearest Mobile Phone Masts

Map	Ref		Mtr	Name	Description	A>B	LoS
Map	23795		0	HINCKLEY SS0044 (THS) 88583, TRANSCO BRICK KILN STREET HINCKLEY HINCKLEY LEICESTERSHIRE , LE10 0NA	[Transmitting] Provider:Three / Site Built	90.00000	51km²
Map	93324		0	B.G HINCKLEY OPERATIONS CENTRE - GRIDCOM, TRANSCO BRICK KILN STREET HINCKLEY LEICESTERSHIRE, LE10 0NA	[Transmitting] Provider:EE / Site Built	90.00000	51km²
Map	17990		0	HINKLEY, TRANSCO, BRICK KILN LANE, HINCKLEY LEICESTER, LEICS, , LE10 0JP	[Transmitting] Provider:EE / Site Built	90.00000	51km²
Map	107809		0	Hinckley Radio Station, Transco, Brick Kiln Street, Hinckley, LE10 0NA	[Transmitting] Provider:CTIL / Site Built	90.00000	51km²
Map	LEI038	LEI 038	4	Hinckley Ops , Hinckley Transco HQ, Brick Kiln Street, Hinckley. Leicestershire, Hinckley, Leicestershire, LE10 0JX	[Transmitting] Airwave TETRA Directional	90.00000	75km²
Map	166		10	HINCKLEY, Hinckley Radio Station - Hinckley Ops. Centre - Brick Kiln street, , HINCKLEY, Leicestershire, LE10 0NA	[Transmitting] O2 UMTS Microcell	90.00000	82km²
Map	80627		126	Hinckley and Bosworth Leisure Centre	[Transmitting]	12.08274	49km²
Map	93324		149	T-Mobile Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] T-Mobile UMTS SECTOR	21.58150	80km²
Map	LE0358		149	Three Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] Three UMTS Sectored	22.72492	85km²
Map	LE0029	EMHINCK HJB	311	HINCKLEY ATE, Trinity Lane, Hinckley, Leicestershire, Leicestershire, LE10 0BL	[Transmitting]	3.29195	46km²

1 2

Add and view project data

(BETA) Project: 1: - Please Select -[1] | Add to Project | Open Project | Project List

Mobile Mast 107809
Hinckley Radio Station

Mobile Mast Details

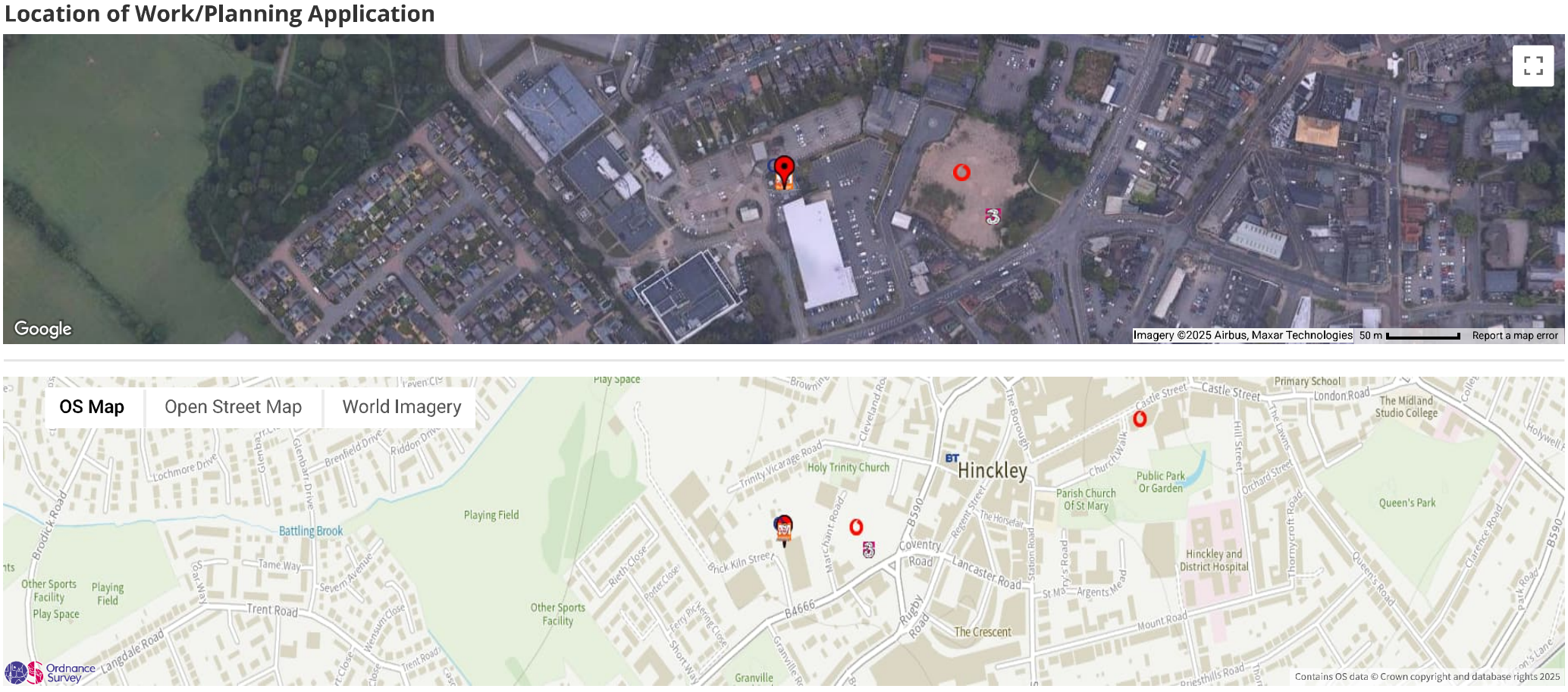
Data Type	Value
1.00 Mastdata ID	226431
4.00 Description	Provider:CTIL / Site Built
17.00 Ref	107809
20.00 MOLO/JV	CTIL
23.00 Map View Site with masts	Hinckley Radio Station, Transco, Brick Kiln Street, Hinckley, LE10 0NA
25.00 Site Share	Multiple Site - 7
30.00 Data Source	2015/16 Hinckley and Bosworth:2015/16 Hinckley & Bosworth(20937)
31.10 Friis Radial Line of Sight	Friis Line of Sight Map - Radial
31.20 Binary Radial Line of Sight	Line of Sight Map - Radial
31.30 1km Grid Line of Sight	Line of Sight Map - 1km Grid - Approx 51km2 (Batch 4000)
31.35 Incoming Los	Los at Location from Nearby Masts [BETA]
31.41 A>B Line of site	Line of site to 280 other masts (Batch 327)
31.42 A>B Line of site [BETA]	Line of Site (LoS) to nearby Infrastructure
31.50 Spatial:Unitary Region	Hinckley and Bosworth District (B)
31.50 Spatial:Historic County	Leicestershire
31.60 Android Signal Survey	Mobile Signal Strength
31.70 Best Network Operator	BNO Map from Survey Data [BETA]
34.00 Site Status	Transmitting
42.30 Antenna	UMTS Antenna
46.00 Location	Good Accuracy (Imported Data from Source (0-10m Accuracy))
47.10 East/North, click to reposition	442202/293784
47.20 Lat/Long, click to reposition	52.540287/-1.379191
48.10 View On Google Map	Open Google Map In New Tab
48.20 View On Google Streetview	Open Google Streetview In New Tab
49.00 Map Corrections	Reposition History: 0 Records
50.00 Planning Authority	Hinckley and Bosworth
52.00 Originating LPA	Hinckley and Bosworth
53.00 AMSL/AGL	116m(AMSL)
54.10 Population/UPRN Count	9248 residents within 1km

There are no images associated with this mast

Feedback information about this site

Update Site: Feedback

Location of Work/Planning Application



Nearest Mobile Phone Masts

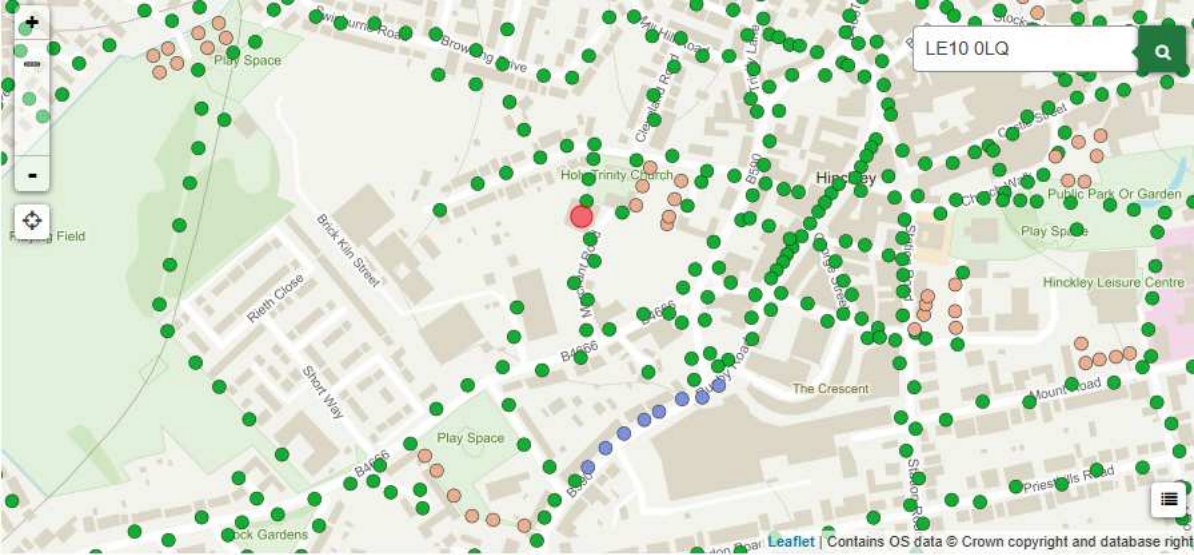
Map	Ref		Mtr	Name	Description	A>B	LoS
Map	23795		0	HINCKLEY SS0044 (THS) 88583, TRANSCO BRICK KILN STREET HINCKLEY HINCKLEY LEICESTERSHIRE , LE10 0NA	[Transmitting] Provider:Three / Site Built	90.00000	51km²
Map	93324		0	B.G HINCKLEY OPERATIONS CENTRE - GRIDCOM, TRANSCO BRICK KILN STREET HINCKLEY LEICESTERSHIRE, LE10 0NA	[Transmitting] Provider:EE / Site Built	90.00000	51km²
Map	17990		0	HINKLEY, TRANSCO, BRICK KILN LANE, HINCKLEY LEICESTER, LEICS, , LE10 0JP	[Transmitting] Provider:EE / Site Built	90.00000	51km²
Map	LEC0001		0	Orange Site, Hinckley, Leicestershire, LE100JT	[Transmitting] Orange UMTS SECTOR	90.00000	91km²
Map	LEI038	LEI 038	4	Hinckley Ops , Hinckley Transco HQ, Brick Kiln Street, Hinckley. Leicestershire, Hinckley, Leicestershire, LE10 0JX	[Transmitting] Airwave TETRA Directional	90.00000	75km²
Map	166		10	HINCKLEY, Hinckley Radio Station - Hinckley Ops. Centre - Brick Kiln street, , HINCKLEY, Leicestershire, LE10 0NA	[Transmitting] O2 UMTS Microcell	90.00000	82km²
Map	80627		126	Hinckley and Bosworth Leisure Centre	[Transmitting]	8.04807	49km²
Map	93324		149	T-Mobile Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] T-Mobile UMTS SECTOR	15.56455	80km²
Map	LE0358		149	Three Site, Hinckley, Leicestershire, LE100JZ	[Transmitting] Three UMTS Sectored	16.68533	85km²
Map	LE0029	EMHINCK HJB	311	HINCKLEY ATE, Trinity Lane, Hinckley, Leicestershire, Leicestershire, LE10 0BL	[Transmitting]	2.48855	46km²

1 2

Add and view project data

(BETA) Project: 1: - Please Select -[1] | Add to Project | Open Project | Project List

Nearby and Related Planning Applications


LE10 0LQ
Play Space
Browning Drive
Holy Trinity Church
Hinckley
Public Park Or Garden
Play Space
Hinckley Leisure Centre
Brick Kiln Street
Rieth Close
Short Way
B4666
The Crescent
Mount Road
Play Space
Priestwells Road
Leaflet | Contains OS data © Crown copyright and database right

nationalgrid

Avoidance of danger from electricity overhead lines and underground cables

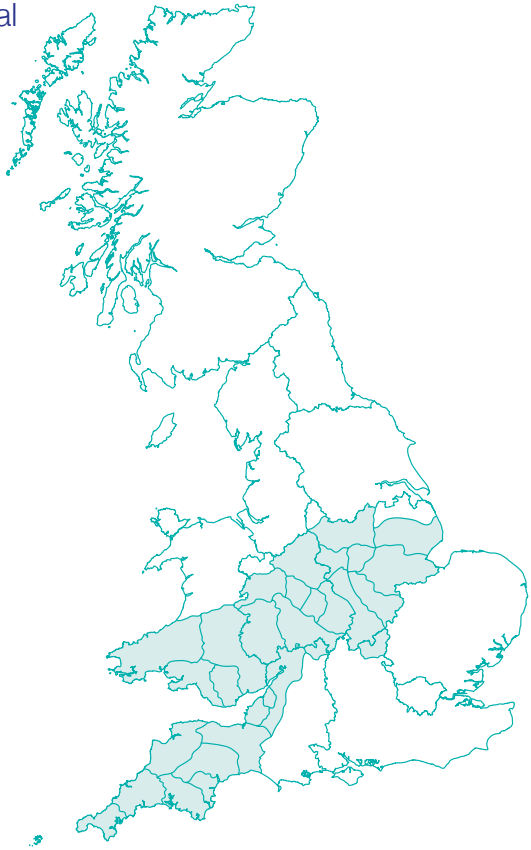
National Grid Electricity Distribution's information to manage safety whilst working in the vicinity of our equipment.

CALL 105

nationalgrid.co.uk

Avoidance of danger from electricity overhead lines and underground cables

Every year in the UK on average, two people are killed and many more are injured when mechanical plant and machinery comes into contact or close proximity to overhead electricity lines.



Although electric shock is the first thing that people associate with coming into contact with our network, those who have witnessed the effects of damage to our system are shocked by the amount of heat, light and noise that are the result of an electrical flashover.

In the Midlands, South West and South Wales, National Grid Electricity Distribution (NGED) have had to attend to incidents where people have accidentally made contact with one of our live electricity overhead lines or damaged an underground cable and became seriously injured.

A significant number of these accidents occurred whilst people were working in the vicinity of overhead and underground electrical apparatus and this booklet has been produced to provide general guidance on how you and your employees can avoid becoming one of these statistics.

Planning your work

It makes sense to consider your safety while in the vicinity of our equipment as early in your planning process as possible.

One of the first things you should do whenever you are planning your work is to check whether there is any of our equipment in the immediate vicinity. You should do this whether your work is taking place on public (e.g. highways and footpaths) or on private land.

Companies and organisations can request plans through LSBUD (Linesearch BeforeUdig) **lsbud.co.uk** – this site provides the same high quality plans and service that the NGED Webmap system has provided in the past, with the significant added benefit of searching over 40 other asset owners from a single query, including underground and overhead electricity networks, gas, high pressure fuel, water and fibre optic networks.

(Please note: not all asset owners are represented by LSBUD, and enquiries should also be made independently to all other relevant organisations).

This service allows you to request plans online and receive an information pack back via email within minutes.

Domestic/private customers should request plans using the phone number, email or postal address shown at the bottom of this section.

For instance, take a good look around your site to see if there are any visible overhead lines.

You should also bear in mind that we have a very extensive network of underground cables, and we are always happy to supply a plan from our Map Response Team who can be contacted via the following;

Tel:
0121 623 9780

Email:
nged.mapresponse@nationalgrid.co.uk

It is always safer to assume that there are underground cables present in the ground until you have proven otherwise.

An online mapping service is available at: **nationalgrid.co.uk/our-network/check-before-you-dig-location-of-our-cables-and-equipment**

Working in the vicinity of underground cables

Having obtained copies of our network maps, it is important to recognise that in most cases there will be no surface indication of the presence of underground cables.

We therefore advise that you take the following actions:

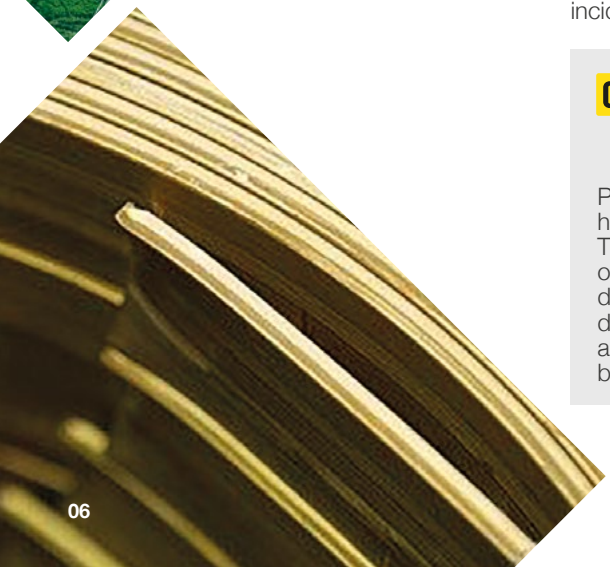
- make sure that you have up-to-date copies of our cable record plans on site - not back in the office
- don't assume that these plans are to scale if they have been faxed or copied
- make sure that a competent person using a Cable Avoidance Tool (CAT) locates all of the cables shown on these plans
- mark the locations of cables on the ground surface with waterproof road paint or other permanent marker
- always assume that our cables are live unless we have informed you, in writing, otherwise
- by hand, dig trial holes to locate the exact position of all cables. Always use an insulated spade or shovel – never use a pick, fork or power tool – push the spade or shovel into the ground applying foot pressure
- look out for ducts, marker tape or tiles but do not rely on these. Even if a cable route was originally laid in a duct or with a marker tape, these may have been removed during other excavations at a later date along with all or part of the cable route
- brief all people working in the vicinity of the presence and location of all underground cables.

Under no circumstances should you attempt to work on, or interfere with, any of our underground cables

The only people qualified to work on this equipment are our operatives; who have been specifically trained and are authorised in writing to do so.

Please also be aware that:

- cable record plans are not guaranteed to be completely accurate. Kerb lines, roads and buildings may have been moved or altered since the cables were laid
- cables should ordinarily be at least 450mm deep, but don't assume this to be the case where you are working – ground levels could have changed
- not all service cables are shown on record plans, so look for cables running down poles and bear in mind that all buildings, street lights and street furniture are likely to have cables running to them. Cables feeding street furniture may be relatively shallow near to the furniture
- cables do not run in straight lines. They often "snake" through the ground avoiding surface and buried obstacles that may not be visible to you
- cables are flexible and can change direction and depth abruptly – for this reason never use mechanical excavators within 0.5m of any underground electricity cable even if you have located it with trial holes
- **no attempt should be made to break out concrete surrounding a cable. Please contact us immediately on our general enquiries number and we will discuss the options for safe working which may include making the cable dead or you moving your work site if possible. If we need to make the cable dead we may need to provide our customers with two weeks notice of the power interruption**
- our cables and joints are not designed to act as steps or to be left unsupported. If you remove support from any cable, you will need to support it using temporary hangers at not more than 0.5m intervals.
- when backfilling, please consolidate the ground under the cables, cover the cable with soil free of stones or with stone dust and replace any cable marker tiles, ducts and tape.



If you damage an underground cable

You must immediately clear the area of personnel because the cable could still be live, or become live again.

If a machine is still in contact with the cable, instruct the driver to jump clear of the vehicle, avoiding simultaneous contact with any part of the machine and the ground. Try to land with your feet as close together as possible.

Where possible, continue to move away from the vehicle using “bunny hops” with your feet together until at least 15m from the vehicle.

Please contact us on our emergency number immediately and tell us what has happened. Please be ready to provide us with a contact telephone number and an accurate location or set of directions – this will help us in getting our staff to site quickly to minimise any danger and lessen the disruption to your work.

Incident locations can be hard to describe. Using the free What3Words app will enable us to quickly and easily identify where the incident has taken place across our network.

CALL 105

Please report any damage to a cable, however superficial it might seem. The cable may not fail at the time of damage, but it could fail later, causing danger to our staff and other contractors, disruption to our customers’ supplies, and also – if we trace the damage back to you – a large repair bill.

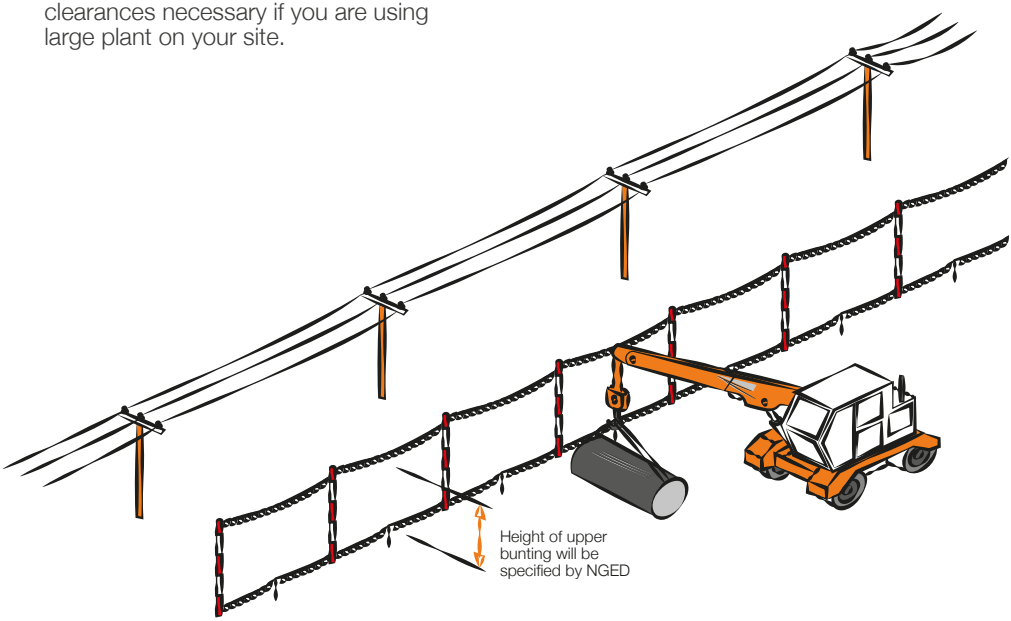
Working in the vicinity of overhead lines

Under no circumstances should you attempt to work on, or interfere with any of our overhead line equipment or service wires.

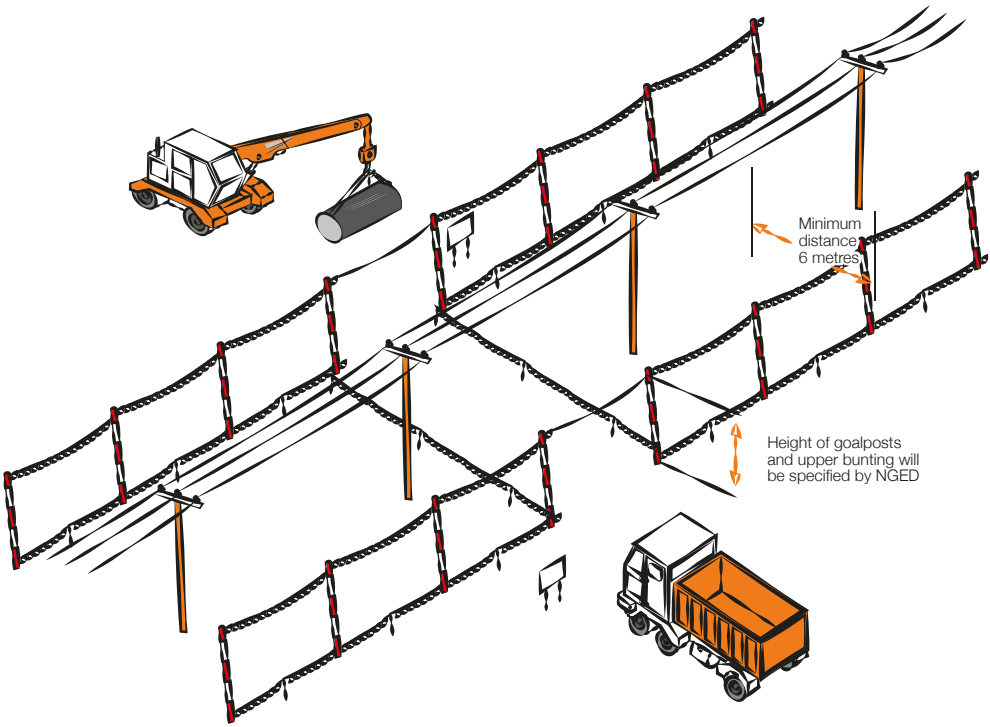
The only people qualified to work on this equipment are our operatives; who have been specifically trained and are authorised in writing to do so. Overhead lines have the advantage that, unlike underground cables, they can easily be seen.

- Always assume that our overhead lines are live unless we have informed you otherwise in writing.
- We will be able to advise you about the type and voltage of the overhead lines in question and provide you with information about the clearances that you must adhere to during your work. Please ring our regional general enquiries number for further advice.
- In some circumstances, we may be able to temporarily shroud low voltage overhead lines and services running to buildings if you need to work in the vicinity e.g. for scaffolding erection, fascia repairs and painting work on domestic properties. We don't normally charge for the shrouding of overhead lines, but please give us as much notice as possible.
- If you think that you will be working close to our overhead lines and they need shrouding – please don't start work until we have agreed what needs to be done and all safety precautions are in place.
- If you are in any doubt about whether the overhead lines in question are power or telephone (this is a very common mistake) – please ask us.
- Please note that it is not technically possible to shroud high voltage lines, so if you cannot avoid working near to our high voltage lines, contact us and we will be happy to meet with you to discus safe alternatives.

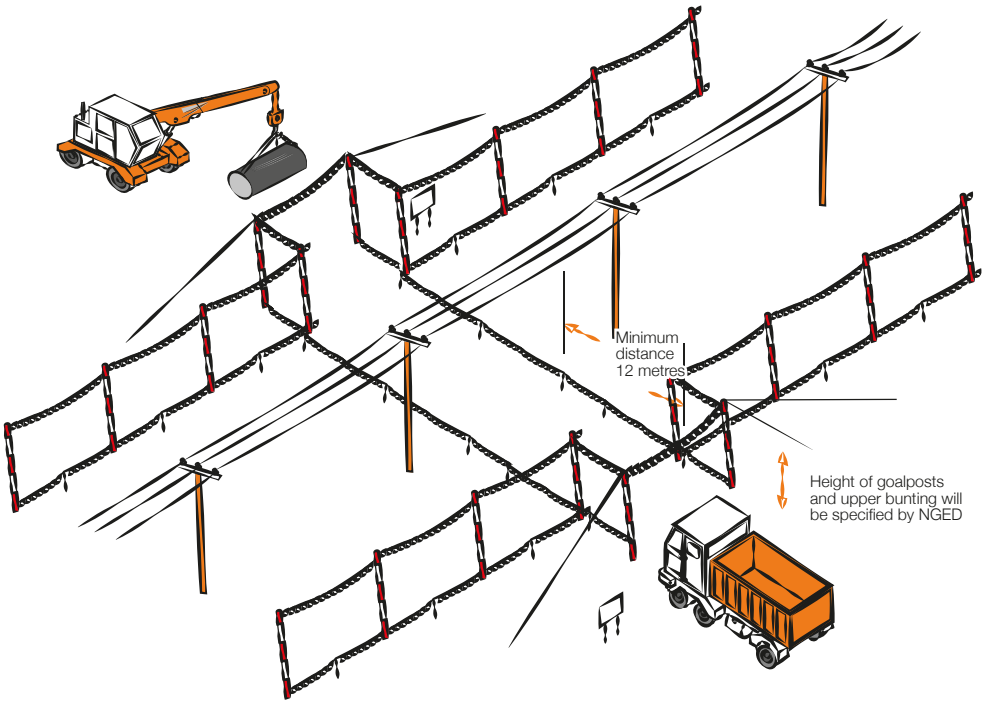
- If it is decided that work can go ahead in the vicinity of our overhead lines but there is a risk of you infringing the safety clearances from the overhead lines, you have a responsibility to erect safety barriers to segregate your works from the area around the overhead lines. The detailed requirements for these barriers are provided in the HSE document GS6 'Avoidance of Danger from Overhead Lines'. As a summary they should consist of:
  - red and white coloured posts erected at 6m intervals, with coloured bunting stretched between their tops, supplemented by low level bunting erected at 1m above ground level, supported at 3m intervals on red and white coloured posts. This is shown below.
- We are able to advise you on the height of the barriers and any additional clearances necessary if you are using large plant on your site.
- Any bunting, ropes and lanyards used should be made from an insulating material.
- These barriers should be erected parallel to the overhead line at a minimum distance of 6m horizontally from the outermost conductor of the overhead line.
- The supports may be supported by rubble or concrete filled barrels or buried directly in the ground.
- Danger notices should be fixed to all of your high level supports.
- The ground enclosed within these barriers is best regarded as "dead ground" in which all foot and vehicular traffic is forbidden, in all circumstances, for the duration of your work.



- Where it is necessary for foot and vehicular traffic to pass under the line, you will need to form a marked access way between the barriers as shown below.
- This access way should comprise of bunting erected 1m above ground, supplemented by high level “goal-posts” erected at either end.
- The goal post cross bars should be rigid, made of insulating material and positioned in a location and at a height specified by us.
- The access route should be as narrow as possible and should not normally exceed 10m in width.
- If it is necessary to make the access route wider than this, you may find it impractical to use rigid cross bars, so you may use a tensioned rope and bunting instead. If you use rope and bunting as a cross bar, you should move the entrance to the access route out to a minimum distance of 12m from the outermost conductor of the line. This is to allow for any stretching of the rope if pulled by your plant.



- If you decide to use steel wire rope to support the barrier, this must be effectively connected to earth at both ends.
- You should also install Danger Notices at all probable directions of approach and clearly display the cross bar height.
- Whatever measures you take, you should ensure that everyone working in the vicinity of overhead lines is briefed about the risks and what safety measures are in place. Do not permit anyone to carry long objects, especially scaffold poles, ladders and irrigation pipes in the vicinity of overhead lines.
- If you are working at night, or in conditions or poor visibility, you should ensure the area is well lit and that the overhead lines are clearly visible.
- You should ensure that all shrouding, barriers and signs are regularly inspected and maintained so that they remain effective.
- Overhead lines are not normally insulated and electricity at high voltages may jump, so a dangerous situation can arise just from a close approach.
- Cranes and excavators working near overhead lines are at increased risk because of the possibility of the jib/arm slewing or being raised into the overhead line, or the load swinging into the overhead line. You may therefore also need to fit plant and vehicles with restricting chains etc. to physically restrain their operation – we can advise on this if you wish.
- If you are planning to carry out tree cutting or arboriculture work in the vicinity of our overhead lines, you need to be aware that this is a complex, high risk activity and we recommend that you employ a competent tree surgeon, who complies with all of the requirements of Forestry industry Safety Accord (FISA) publication FISA 804 - Electricity at work: Forestry.



If contact is made with an overhead line

You must immediately clear the area and suspend all work within 50m of the damage because the line could still be live, or become live again. The operator of a machine that is in contact with an overhead line should:

- **If the machine is still operable and the operator is still in the cab:**
  - provided that you do not risk breaking the overhead line or dragging it to the ground, immediately lower the raised parts of the machine using only the controls in the cab and/or drive the vehicle clear of the overhead line
  - contact us immediately on our emergency number so that we can check the overhead lines
  - instruct other people in the vicinity not to approach the vehicle.
- **If the machine is not operable, cannot be driven clear of the overhead line or there is a risk that doing so will break the line or drag it to the ground:**
  - stay in the cab
  - contact your site manager or us immediately on our emergency number by radio or mobile phone or as soon as possible by any other method
  - instruct everyone outside the vehicle not to approach it
  - do not exit the cab until given confirmation by wpd personnel that it is safe to do so.
- **If the machine is inoperable or cannot be driven free and there is risk of fire or other immediate hazard:**
  - jump clear of the vehicle, avoiding simultaneous contact with any part of the machine and the ground
  - try to land with your feet as close together as possible
  - where possible, continue to move away from the vehicle jumping with both feet together until at least 15m from the vehicle. Instruct other people in the vicinity not to approach the vehicle. Contact us immediately on our emergency number
  - do not return to the vehicle until given confirmation by wpd personnel that it is safe to do so.

Whatever the circumstances please contact us on our emergency number immediately and tell us what has happened. Please be ready to provide us with a contact telephone number and an accurate location or set of directions – this will help us in getting our staff to site quickly to minimise any danger and lessen any disruption to your work.

CALL 105

Please report any damage or contact no matter how minor they may seem to you at the time. The damage may not cause a serious problem at the time of damage, but it could fail later, causing danger to our staff and members of the public, disruption to our customers' supplies, and – if we trace the damage back to you – a large repair bill.

More information

For your information, we are legally obliged to report all contact with our system to the Health and Safety Executive (HSE), and, if you are an employer, you may be obliged to report incidents involving your staff or contractors to the HSE.

Even if no one is hurt, you could be prosecuted for failing to report such an incident.

More detailed general information on this subject is available in the following publications from the HSE:

- HSG(47) – Avoiding Danger from Underground Services
- GS6 – Avoidance of Danger from Overhead Lines
- along with Forestry Industry Safety Accord (FISA) publication FISA 804 – Electricity at Work: Forestry

If you require more site-specific information relating to our equipment at your location please contact us on our general enquiry number:

Our general enquiry number is:
0800 096 3080

Finally

Please, always remember that electricity cables and overhead lines can be very dangerous – the general rule is **stay away and stay safe.**

National Grid Electricity Distribution plc
Avonbank
Feeder Road
Bristol BS2 0TB
United Kingdom

nationalgrid.co.uk

September 2022. BLU26501/PR

Tuesday, 20 September 2022

LSBUD – online service

Non Chargeable e.g. Local Authority, Utility, Architect, Consultant, Developer or, Independent Connection Providers (ICP) including contractors excavating on their behalf	
LSBUD internet/email	Free
Chargeable - Commercial use of plans and data e.g. Solicitor, Conveyancer, Search Company. Including, but not limited to, resellers and speculative consultancy.	
LSBUD internet/email (Pay As You Go and **Monthly Invoice***)	£15 per enquiry

***Monthly Invoice - Standard payment terms are 30 days net of receipt of invoice**

Paper Plans – Map Response Team (see below for contact details)

Private Domestic Enquiry e.g. homeowner requesting plans of their own property	
Single Paper Plan Postal service	Free
Chargeable e.g. Solicitor, Conveyancer, Search Company, Local Authority, Utility, Architect, Consultant, Developer or, Independent Connection Providers (ICP) including contractors excavating on their behalf. Including, but not limited to, resellers and speculative consultancy.	
Single Paper Plan Postal service	£30.00 *Multiple plans price on application*

- All prices are **exclusive of VAT**
- Plans are not suitable for black and white photocopying

For further information or to register for LinesearchbeforeUdig (LSBUD) go to:

http://www.nationalgrid.co.uk/locationplans or http://www.LSBUD.co.uk

For more information on Paper Plans please contact the Map Response Team:

Email: NGED.MapResponse@nationalgrid.co.uk

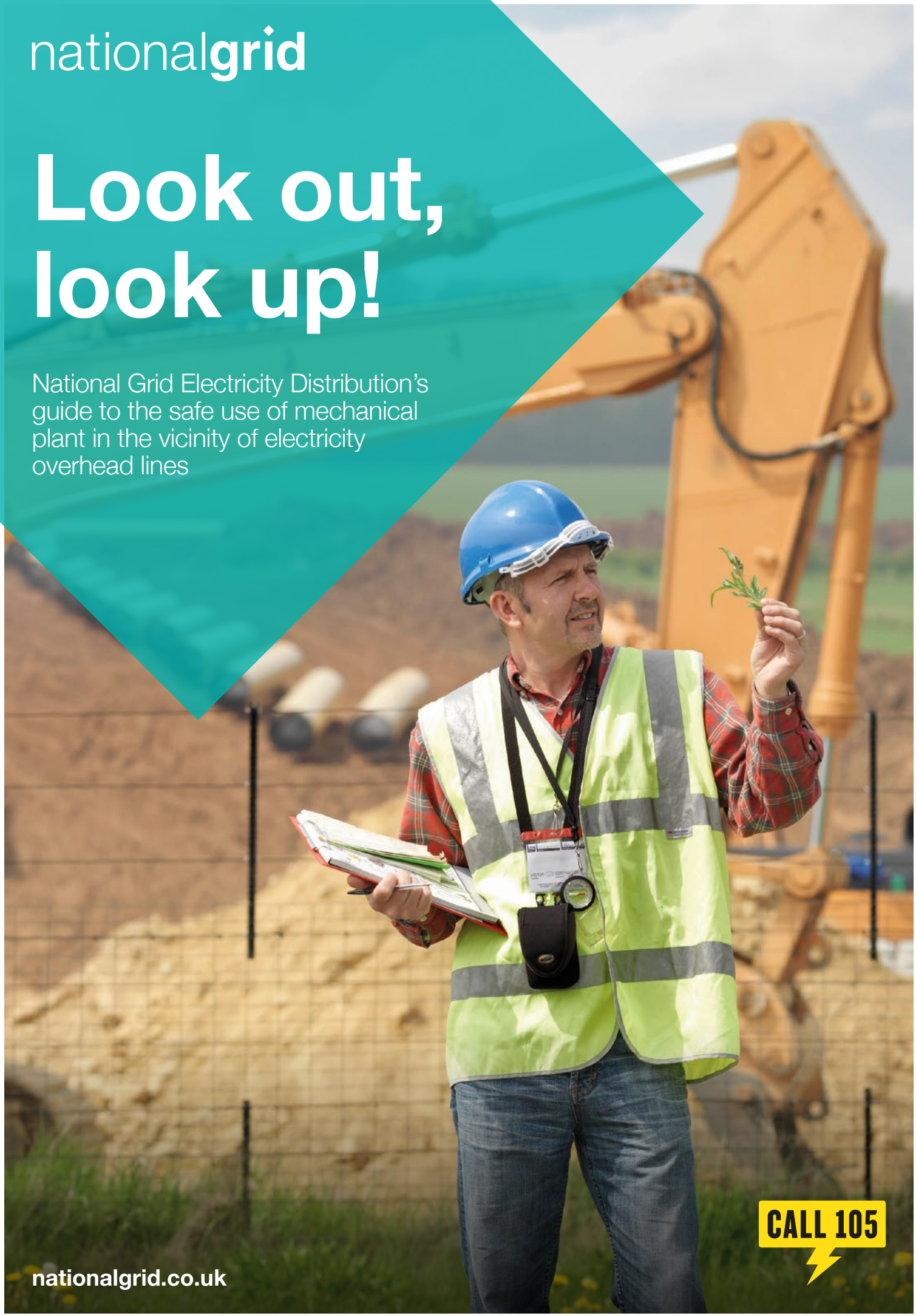
Post: Map Response Team, National Grid Electricity Distribution, Mapping Centre
Toll End Road, Tipton, West Midlands DY4 0HH

Phone: 0121 623 9780 Fax: 0121 623 9223

nationalgrid

Look out, look up!

National Grid Electricity Distribution's guide to the safe use of mechanical plant in the vicinity of electricity overhead lines



nationalgrid.co.uk

The safe use of mechanical plant in the vicinity of electricity overhead lines

Every year in the UK on average, two people are killed and many more are injured when mechanical plant and machinery comes into contact or close proximity to overhead electricity lines.

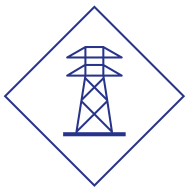
This booklet has been produced for anyone who uses mobile plant, (such as Hiabs, MEWPs, tipper lorries and trailers, grab lorries, concrete conveyors and excavators) for short duration work and provides general guidance on how to avoid becoming part of these statistics.

1
Before starting work

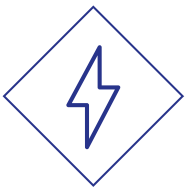
Overhead lines have the advantage that they can easily be seen, so before you set up your vehicle or plant always:

Stop and look up!

If you are working at night, or in conditions of poor visibility, you should use spotlights or a torch to carefully check that there are no overhead lines within your vehicle's reach.



If you are in any doubt about whether the lines in question are power or telephone (this is a very common mistake) – always assume that they are power lines and are live.



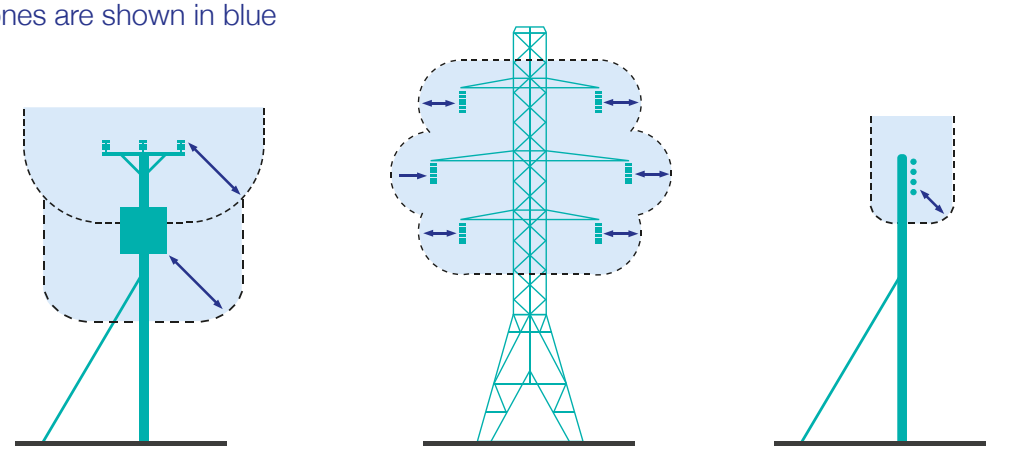
It is not normally practical for electricity companies to shroud high voltage conductors and even when low voltage conductors are shrouded, the shrouding is not designed to protect against contact by mechanical plant – again, always assume the lines are live.

2
Exclusion zones

Overhead power lines are not normally insulated and so any contact can result in serious or fatal injuries. Electricity at high voltages can also jump gaps with no warning whatsoever, so it is also dangerous to let your plant approach too close to a line. The distance that electricity can jump depends on the voltage of the line.

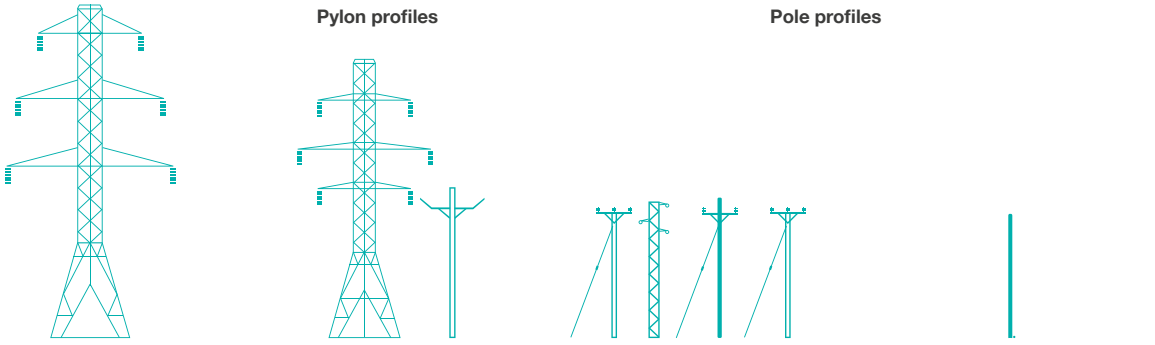
The higher the voltage, the further you must stay away from the line and any other equipment that may be fitted to the pole or pylon. This distance is called the **exclusion zone**. Examples of this are shown highlighted in the diagram below.

Exclusion zones are shown in blue



Exclusion zones for pole with transformer | **Exclusion zone high voltage (HV)** | **Exclusion zone low voltage (LV)**

You must not allow any part of your plant to enter the **exclusion zone**. The diagram below shows typical types of overhead lines and provides a guide to help you assess the line voltage of lines on wooden poles or steel pylons. The minimum **exclusion zone distance** is shown for each example.



275kV or 400kV Exclusion Zone 7m | **132kV Exclusion Zone 6m** | **11kV and 33kV Exclusion Zone 3m** | **LV 230/400V Exclusion Zone 1m**

Please note that these are absolute minimum distances that should under no circumstances be infringed. If you do – it could prove fatal. As well as staying away from the lines or equipment, you should also stay at least 600mm away from any part of poles, pylons and stay wires. Please remember that is for guidance only, and if you are in any doubt, please call us for advice before setting up your plant or starting work.

3
Stand off distances

If there are power lines in the vicinity of your work the best way to make sure you stay out of the **exclusion zone** is to position your vehicle at a **safe stand off distance** so that, even when fully extended, no part of it can accidentally reach inside the **exclusion zone.**

This **safe stand off distance** can be calculated by adding the **exclusion zone** distance for the appropriate voltage of the line to the **maximum operating reach** of your vehicle.

This is shown in the diagram opposite.

If you position your vehicle outside of the **safe stand off distance**, there is no risk of accidental contact with the lines and no danger of electricity jumping from the line to your vehicle.

If you cannot achieve a **safe stand off distance**, consider moving your vehicle to a safer location.

It may make your job a bit more difficult, but if it means you stay away from the **exclusion zone** - it will be safer.

The next best option would be to consider using smaller plant with a **maximum operating reach** that cannot enter the **exclusion zone**.

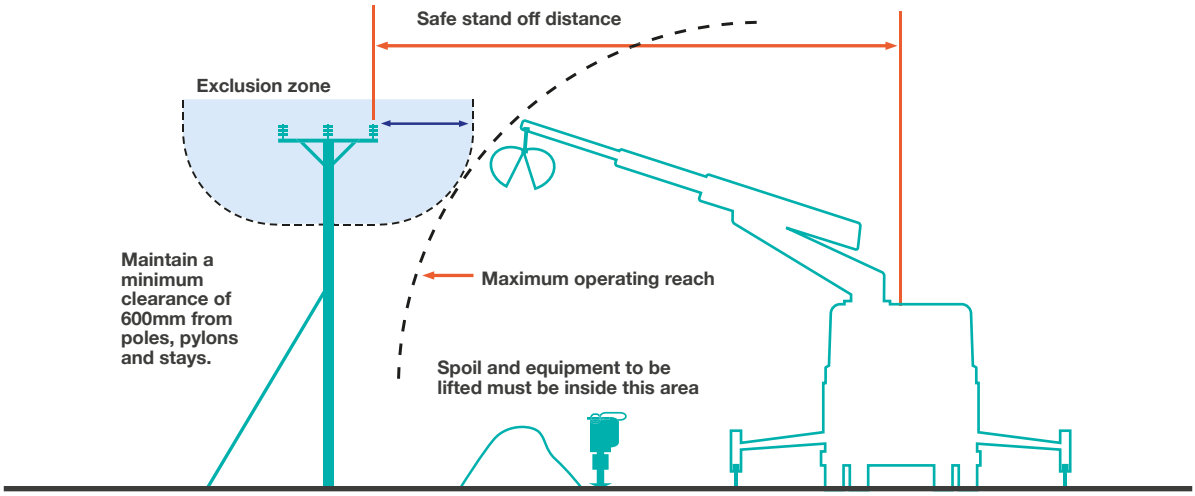
You may not be able to achieve either of these options, so, as a last resort, if you cannot avoid operating large items of plant in the vicinity of lines, you must make sure that the plant is fitted with restraints to ensure that the **exclusion zone** cannot be entered.

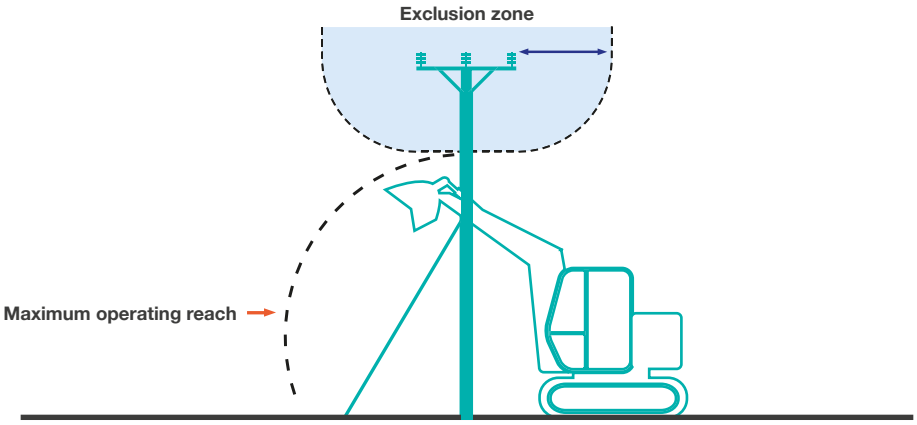
These restraints may be electrical or hydraulic systems fitted to the plant, or mechanical devices such as chains.

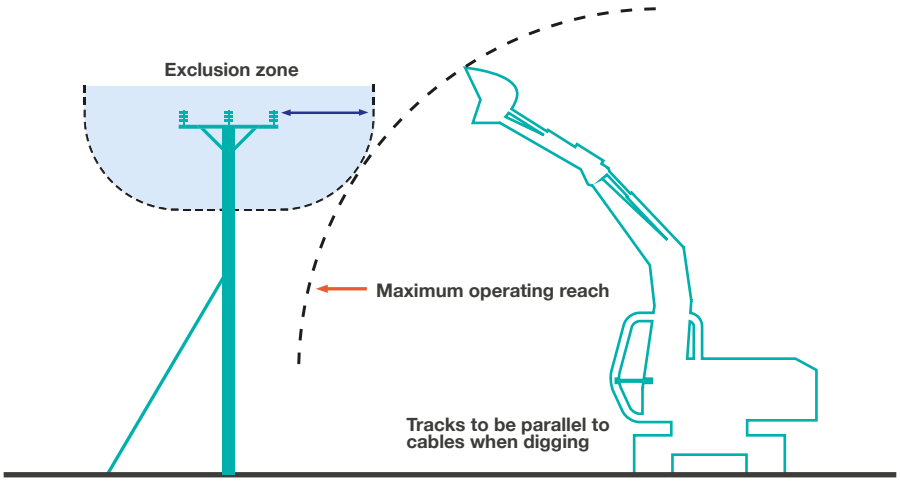
Please seek advice from the plant manufacturer for more information on choices available for your particular item of plant. If you are using a mechanical excavator to dig parallel to the line, it is good practice to position the excavator with the tracks or wheels parallel to the line, so as you move along the excavation the safe stand off distance is easily maintained.

Care must also be taken to avoid non mechanical equipment, (e.g. scaffold poles, ladders and long loads such as lengths of steel or timber) from entering the exclusion zone.

Always maintain at least 600mm clearance from your plant to any of our poles, stay wires or pylons. Any contact with these by your plant could cause the line to break and fall to the ground.


Safe stand off distance
Exclusion zone
Maintain a minimum clearance of 600mm from poles, pylons and stays.
Maximum operating reach
Spoil and equipment to be lifted must be inside this area


Exclusion zone
Maximum operating reach


Exclusion zone
Maximum operating reach
Tracks to be parallel to cables when digging

4
Emergency procedures

If contact is made with an overhead line, you must immediately clear the area and suspend all work within 50m of the damage because the line could still be live, or become live again.

The operator of a machine that is in contact with an overhead line should take the following steps:

If the machine is still operable:

- lower any raised parts that are controlled from the driving position and/or drive the vehicle clear of the line, as long as neither of these actions risk breaking the line or dragging it to the ground.

If the machine is not operable or cannot be driven clear of the line:

- stay in the cab
- contact your site manager or us immediately by radio or mobile phone or as soon as possible by any other method
- instruct everyone outside the vehicle not to approach it
- do not exit the cab until given confirmation by National Grid Electricity Distribution personnel that it is safe to do so.

If the machine is inoperable or cannot be driven free and there is risk of fire or other immediate hazard:

- jump clear of the vehicle, avoiding simultaneous contact with any part of the machine and the ground
- try to land with your feet as close together as possible
- where possible, continue to move away from the vehicle using “bunny hops” with your feet together until at least 15m from the vehicle
- instruct other people in the vicinity not to approach the vehicle
- do not return to the vehicle until given confirmation by National Grid Electricity Distribution personnel that it is safe to do so.

Whatever the circumstances please contact us on our emergency number immediately and tell us what has happened.

Please be ready to provide us with a contact telephone number and an accurate location or set of directions – this will help us in getting our staff to site quickly to minimise any danger and to reduce any disruption to your work.

Our emergency number is:
105 or 0800 6783 105

Please report any damage or contact no matter how minor they may seem to you at the time.

Whilst the damage may not cause a serious problem at the time of contact it could fail later, causing danger to our staff and members of the public, disruption to our customer’s supplies, and – if we trace the damage back to you – a larger repair bill!

5
More information

Proximity Warning Systems (such as Wire Watcher – see wirewatcher.co.uk for information) may be fitted to your vehicle. Never turn these devices off or disable them in any way.

Take note of any warnings these proximity warning systems may provide but do not use the presence of such devices as a reason not to follow the advice provided in this leaflet.

For your information, we are legally obliged to report all contact with our system to the Department of Trade and Industry (DTI), and, if you are an employer, you may be obliged to report incidents involving your staff or contractors to the Health & Safety Executive (HSE). Even if no one is hurt, you could still find yourself being prosecuted for causing a dangerous occurrence.

6
Further reading

For advice related to signing and guarding at longer term work sites please also refer to National Grid Electricity Distribution booklet “Avoidance of Danger from Electricity Overhead Lines and Underground Cables”. More detailed information is also published in the following documents available from the HSE.

GS6 – Avoidance of Danger from Overhead Lines.

HS(G) 47 – Avoiding Danger from Underground Services.

Along with Forestry Industry Safety Accord (FISA) publication **FISA 804 - Electricity at Work: Forestry.**

If you require more site-specific information relating to our equipment at your location please contact us on the relevant **general enquiries number:**

0800 096 3080

Finally... please, always remember that electricity overhead lines can be very dangerous – **the general rule is stay away and stay safe!**

National Grid Electricity Distribution plc
Avonbank
Feeder Road
Bristol BS2 0TB
United Kingdom

nationalgrid.co.uk

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Appendix C: Environmental & Historical Information

2024 Envirocheck Report

Historical Intrusive Logs

Historical Figures

Envirocheck®
LANDMARK INFORMATION GROUP®

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
363730053_1_1

Customer Reference:
415001-00017_00400_November 2024

National Grid Reference:
442090, 293850

Slice:
A

Site Area (Ha):
5.87

Search Buffer (m):
1000

Site Details:

Cadent Gas, Brick Kiln Street
HINCKLEY
LE10 0NA

Client Details:

Mrs L Pearse
Worley Europe Ltd
Suite 6B
114 Wellington Street
Leeds
LS1 1BA

Prepared For:

Cadent Gas
Brick Kiln Street
Hinckley
Leicestershire
LE10 0NA