



Manor Road / Richmond

Geo-environmental & Geotechnical Preliminary Risk Assessment

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Manor Road, Richmond

January 2019



FAIRHURST

CONTROL SHEET

CLIENT: Avanton Richmond Development Limited




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EXECUTIVE SUMMARY

Current Status	Site The site currently comprises a warehouse structure occupied by a DIY and pets store, positioned to the west of Manor Road, Richmond (Post Code - TW9 1YB).
Assessment Rationale	It is understood that Avanton Richmond Development Ltd. propose to redevelop the former Homebase site, to include a residential led development with commercial areas and associated car parking, soft landscaping and infrastructure. The purpose of this assessment is to review available environmental, historical and geological data to identify potential geo-environmental and geotechnical constraints associated with the proposed development.
Geology & Controlled Waters	The site is reported to be underlain by Made Ground and further underlain by the Kempton Park Gravel Member to c.6m bgl and further underlain by the London Clay Formation. Groundwater is considered to be present in the Kempton Park Gravel Member from c.1.5m bgl. The nearest surface water feature is the River Thames positioned c.1.6km north-west of the site. The Kempton park Gravel Member is classified as a Secondary A Aquifer by the Environment Agency and the London Clay Formation bedrock as an Unproductive Stratum.
Contamination Considerations	This report has identified potential sources of contamination on-site, including those that predate the commercial building, including Made Ground, timber yards, electrical substations, car wash, coal hoppers, fuel depot, power station and car parking. Furthermore, off-site sources of contamination were identified, most notably the former Richmond Gas Works positioned to the north-east of the site beyond Manor Road. Potential risks were assessed against sensitive receptors including human health, building structures and services and controlled waters as the underlying Kempton Park Gravel Member (Secondary A Aquifer). Typically a moderate risk was identified to receptors associated with the proposed development. It is considered that contaminated land planning conditions will be included associated with the development and it is recommended that a ground investigation is undertaken to further quantify potential risks.
Geotechnical Considerations	Potential Geotechnical considerations identified including: <ul style="list-style-type: none"> • Presence of railway lines adjacent to the south and west of the site. The development will require further consultation with Network Rail following Fairhurst's initial meeting regarding potential for risk to their assets; • Noting that a basement is proposed in the northern and southern portions of the site, it is considered that a basement assessment will be required in accordance with LBRuT guidance, including assessment of land and structural stability; • It is noted that the site is within a National Grid safeguard zone and additional services are likely to be present associated with the development of the site. Existing services may require removal, capping and diversion associated with the development. Furthermore, it is recommended that full service plans are obtained in advance of any below ground investigation works; • Structural loads are unknown at this stage. Noting proposed development heights of between 4 and 9no storeys, it is considered that loads may exceed traditional shallow foundations (i.e. pads and strips) and foundations may need to be piled. Based on BGS borehole records, it is considered that a piled foundation solution would extend into the London Clay Formation. Foundation design will be subject to structural loads and ground investigation findings; and • The site is within a high risk area with respect to unexploded ordnance. It is recommended that a specialist is consulted prior to any below ground works.

CONTENTS

1.0	INTRODUCTION.....	2
2.0	SITE SETTING AND HISTORY	4
3.0	BACKGROUND INFORMATION AND ENVIRONMENTAL SETTING	9
4.0	PRELIMINARY CONCEPTUAL MODEL AND QUALITATIVE RISK ASSESSMENT	17
5.0	GEOTECHNICAL CONSIDERATIONS	25
6.0	CONCLUSIONS AND RECOMMENDATIONS.....	27

FIGURES

FIGURE 1 – SITE LOCATION PLAN

FIGURE 2A – POTENTIAL SOURCES OF CONTAMINATION ON-SITE

FIGURE 2B – POTENTIAL SOURCES OF CONTAMINATION OFF-SITE

APPENDICES

APPENDIX A - DEVELOPMENT PLANS

APPENDIX B - ENVIROCHECK REPORT

APPENDIX C- DETAILED UNEXPLODED ORDNANCE (UXO) THREAT AND RISK ASSESSMENT

APPENDIX D - REGULATORY CONSULTATION

APPENDIX E - SITE WALKOVER PHOTOGRAPHIC RECORD

APPENDIX F - TOPOGRAPHIC SURVEY

APPENDIX G - PRINCIPLES OF GEO-ENVIRONMENTAL RISK ASSESSMENT

1.0 INTRODUCTION

1.1 Site Background and Understanding

Fairhurst have been appointed by Avanton Richmond Development Limited (Avanton), the Client, to undertake a Geo-Environmental and Geotechnical Preliminary Risk Assessment (PRA) for a site off Manor Road, Richmond, London, TW9 1YB (the site). The location of the site is shown on Figure 1.

It is understood that Avanton propose to redevelop the former Homebase site, to include a residential led development with commercial areas and associated car parking, soft landscaping and infrastructure. Development plans from Assael Architecture are included in Appendix A and detail:

- Basement parking / plant in the northern portion of the site;
- 4no blocks of between 4 and 9no storeys; and
- Associated landscaping.

1.2 Scope and Objectives

Pre-application discussions have been undertaken with the London Borough of Richmond Upon Thames (LBRuT) between July and December 2018 (ref.18/P0135/PREAPP), which identifies the site would be subject to the LBRuT local plan policy 10, which with respect to land contamination states '*The Council promotes, where necessary, the remediation of contaminated land where development comes forward. Potential contamination risks will need to be properly considered and adequately mitigated before development proceeds.*' Furthermore, the council state that their '*records indicate that the site and surrounding area has been subject to former potentially contaminative land uses and so a Land Contamination Assessment would be required.*'

The purpose of this assessment is to review available environmental, historical and geological data to identify potential geo-environmental and geotechnical constraints associated with the proposed development. This report includes the development of a preliminary conceptual site model and qualitative risk assessment assuming a proposed residential led end use in order to support the planning application and inform planning decision conditions.. This report has been undertaken in accordance with industry best practice document CLR11 'Model Procedures for the Management of Land Contamination' and BS10175:2011:A2:2017 in relation to the scope of a desk based study.

This report should be updated and refined should development plans change.

1.3 Sources of Information

The following sources of information have been reviewed and were utilised in the preparation of this report:

(i) Published Geological and Environmental Information

- British Geological Survey (BGS), South London, Geological Map Sheet 270 – Solid and Drift Edition, 1:50,000, 1998;
- BGS online map viewer and borehole records (bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html) (accessed 01/08/2018);
- Bomb Sight (bombsight.org version 1.0) (accessed 01/08/2018);
- Magic, DEFRA (magic.defra.gov.uk/MagicMap.aspx) accessed 01/08/2018);
- Public Health England UK Map of Radon Risk (ukradon.org/information/ukmaps) (accessed 01/08/2018);
- Long term flood risk information, (flood-warning-information.service.gov.uk/long-term-flood-risk/map) (accessed 01/08/2018); and,
- London Borough of Richmond Upon Thames Planning Portal (accessed 12/10/2017).

(ii) Envirocheck Information

Site Specific Envirocheck Report (Reference 142584674_1_1) dated October 2017. This report is included as Appendix B.

(iii) UXO Information

- Zetica Unexploded Bomb Risk Map (London, South-West), (zetica.com/, accessed 01/08/2018); and
- Landmark / Alpha Associates Detailed Unexploded Ordnance (UXO) Threat and Risk Assessment (References 190053937_1 and P7115 respectively), dated January 2019. This Report is included within Appendix C.

(iv) Consultations

The Environment Agency, the London Borough of Richmond Upon Thames, Network Rail, Transport for London and London Overground were contacted, with regards to any information they may hold in respect to the environmental setting of the site and surrounding area.

Where responses have been received from consultees, these have been summarised in Section 3.0 of this report. Records of the correspondence are included in Appendix D.

2.0 SITE SETTING AND HISTORY

2.1 Site Description

The site is located approximately 0.6km north-east of Richmond town centre, in south-west London and is centred on National Grid Reference 518890, 175430 (approximate post code TW9 1YB). The site is accessed via Manor Road, which bounds the site to the east.

The site is approximately triangular in shape, covering an area of approximately 1.8Ha and is currently occupied by a retail warehouse building (Homebase) in the central third, with associated car / bus parking in the north-eastern third and storage areas in the south-western third of the site.

The site is bound to the north west and south by railway lines and to the east by Manor Road, as detailed further below.

2.2 Site Survey Walkover

A site walkover was undertaken on 8th August 2018 by a Fairhurst Geo-Environmental Engineer. A photographic record and photograph location plan are included as Appendix D.

On-site

The following features were noted on-site:

- **Area 1: Car Parking and Bus Stand**

The northern portion of the site was occupied by car parking (Photo 1), with areas of soft landscaping and planters locally present across the car parking and along the western and eastern (Photo 2) boundaries, including mature trees, grass and shrubs. Vehicle access to the site was gained from Manor Road (Photo 3) to the north-east and pedestrian access can additionally be gained from this road to the south-east. A bus stand was noted to the north of the access road. Following amendments to the proposed development since the walkover was undertaken, it is understood that this area is now within the site boundary. No evidence of re-fuelling or tank storage was identified (Photo 16).

Ground level was typically laid to tarmac hardstanding or brick paving in car spaces; although an area in the north of the site was surfaced with paving slabs with drainage covers identified in a layout possibly indicative of an interceptor (Photo 4) and a vent pipe (Photo 5) was noted nearby, positioned within soft landscaping. Online aerial imagery¹ indicates that a car wash company operates within the car park at this location; however, a sign identified during the walkover, detailed that this company had moved to a new location.

Along the north-western boundary of the site (adjacent and south-west of the bus stand) was an electrical substation (Photo 3); however, this feature could not be assessed visually as it was surrounded by a visual screen, nor was there any information on the insulating materials used.

- **Area 2: Homebase and Pets at Home Shops**

The central portion of the site was occupied by a warehouse style structure, used by Homebase (a home and garden DIY store) and Pets at Home (pet store, grooming and veterinary). Homebase occupied the eastern two thirds of the store and included a mezzanine in the rear of the store and an outdoor garden centre in the south-eastern corner of the site. Pets at Home occupied the remaining western third of the structure.

To the west of the building was an access road trending from the car park to the delivery area in the south-western portion of the site (Photo 6).

In the south-eastern corner of the site was a small brick structure access from Manor Road to the east of the site (Photo 7). Based on signage, it is assumed that this structure is occupied by Southern Gas Networks; however, this could not be confirmed.

- **Area 3: Delivery Yard**

The south-western third of the site was occupied by the following land uses:

- The majority of this area was laid to tarmac hardstanding, with soft landscaping of grasses, shrubs and mature trees along the southern and north-western site boundaries (Photo 8);

¹ google.co.uk/maps accessed 09/08/2018

- To the rear of Pets at Home was a delivery yard; although no access was gained to this location. Air conditioning units and commercial waste bins were identified in this area;
- To the rear of Homebase was a delivery yard area laid to concrete hardstanding in good condition (Photo 9). Store goods were kept in this area in addition to propane and butane gas canister storage (Photo 10), assumed waste paint storage (Photo 11) and 3no storage containers, one of which was detailed as housing fireworks. Outside of the fenced off delivery area was an area of waste storage, storage containers, gas canisters and pallets (Photo 12); and
- In the south-western corner of the site was an area of soft landscaping raised c.0.5m from site level with rough shrub, grass and trees. Fly tipping of tyres, cushions, rubbish, plastics and turf was observed in this area (Photo 13).

Off-site

The following features were identified immediately adjacent to the site:

- **Manor Road**

Manor Road bounds the site to the east and is set at approximately 1m above existing site level in the southern portion and bisected from this by a gently sloped area of landscaping. Manor Road trends in a northerly and southerly direction from the site. To the north, it ramps up towards the Lower Richmond Road / A316 roundabout approximately 130m north of the site (Photo 14). At this location, the District / Overground railway line passes beneath the roundabout. Adjacent to the south-east of the site, it passes a level crossing and continues to trend in a southerly direction.

The following further features are identified along Manor Road:

- Beyond to the south-east and south (latter beyond the railway line) is residential housing, typically as identified as assumed traditional build 2-storey terraced housing (all of which identified c.15m from the site boundary);
- To the south-east of the site and south of the railway line is an area of allotment gardens (Photo 15) (c.50m from the site boundary);
- To the north-east of the site and east of Manor Road is a Sainsbury's supermarket and associated petrol station (c.50m from the site boundary). Additionally, is an area of assumed Southern Gas Network infrastructure (c.150m north-east from the site), which is assumed to be associated with the former Richmond Gas Works detailed further in Section 2.4;
- At the roundabout where Manor Road meets the Lower Richmond Road / A316 is a BP Petrol filling station and car dealership / workshop (c.170m north of the site).

- **National Rail (south)**

A railway line operated by National Rail bounds the site to the south (Photo 17), trending east to west at this location. This was visually identified as being at approximately 0.5-1.0m above existing site level and is bisected from the site by a gently sloped area of landscaping. Further features identified associated with this railway included:

- Adjacent to the south-east of the site was a footbridge, over the level crossing at Manor Road (Photo 18). The footprint of this bridge appeared to extend into the Homebase garden centre (Photo 19), causing a step in the otherwise straight site boundary; and
- Adjacent to the south-west of the site was National Rail infrastructure (Photo 20), which appeared to be accessible from the on-site delivery yard area and bisected from the site by a fence.

- **District / Overground Railway (west)**

A District / Overground railway line bounds the site to the west and is set at approximately 1.0m above existing site level and is bisected from the site by a gently sloped area of landscaping. West of this railway, land use was typically occupied by residential / office land use with the following additional industrial / commercial activities identified:

- F.A. Clover & Sons Ltd², an industrial painting contractors (positioned c.20m west of the site);

²cloverpainting.com/ (accessed 09/08/2018)

- Travis Perkins Trading Co. Ltd, a building materials supplier (positioned c.20m west of the site); and
- Big Yellow Self Storage, a storage facility (positioned c.40m west of the site).

2.3 Topography

A topographical survey was been conducted by Point Surveyors during August 2018 (LS2024/T) and is included within Appendix E. Based on this drawing and the site walkover, the site and surrounding area are noted to be relatively level (generally between 6.0-6.5mOD) with the exception of Manor Road, which increases in height to the north of the site and bridges over the railway line c.200m north of the site. Furthermore, as detailed in the site walkover, the existing railways to the north-west and the south of the site are noted to be set c.1m higher than existing site level.

Information included in the Envirocheck report details the site at approximately 10m AOD, remaining relatively level within 250m of the site. Approximately 1km south of the site, ground level increases to approximately 30m AOD; and decreases gently towards the River Thames at approximately 5m AOD, c.1km north of the site.

2.4 Site History

The historical land use of the site and immediate surroundings has been assessed using Envirocheck Report (Appendix B). Detailed maps for the site and surrounding area have been reviewed and the findings are summarised in Table 1. Features within 250m of the site considered to be potentially contaminative or significant have been detailed, with the exception of significant contamination sources (i.e. landfills / gas holder sites), which if within 500m have been noted.

Table 1 - Historical Map Summary

Dates and Map Scale	On site	Off site (surrounding area)
1867-1872 & 1872 1:1,056	<ul style="list-style-type: none"> • Site is undeveloped with possible area of trees in south-western portion. 	<ul style="list-style-type: none"> • Railway lines bound the site to south and north west in their current day location and evidence of an associated cutting along the western boundary of the site; • Richmond gas works is c.110m north-east, including 3no gasometers. • A militia barracks is c.160m north-west, with a drill ground c.200m north-west and nursery c.200m north-west. Militia barracks and drill ground are only present at this date.
1896-1879 1:2,500		
1871-1874 1:10,560		
1879-1894 1:2,500		
1896 & 1898-1899 1:10,560	<ul style="list-style-type: none"> • A timber yard is present on the southern portion. • A well close to the southern boundary) and unspecified structures are present in the south-eastern portion. • Unspecified structures and a crane are present in the northern portion. 	<ul style="list-style-type: none"> • Further development and expansion at the Richmond gas works, including possibly 2no additional gasometers, which has extended to within c.50m north-east. • A laundry is present c.200m south-west and corporation depot c.200m west. Laundry only identified at this date. • A nursery is present c.100m south, which was last identified in 1913. • A timber yard is present c.100m north and last identified in 1913.
1894-1895 & 1895 1:10,056		
1896 & 1898 1:2,500		
1913 1:2,500	<ul style="list-style-type: none"> • Unspecified development on-site, although it appears all associated with the timber yard, in addition to sidings along the southern and western boundaries and into the centre of the site. 	<ul style="list-style-type: none"> • Further development on the gas works site, including a smithy c.200m east and area of tanks c.150m east. The smithy is only identified at this date. • A tank is detailed on the nursery site c.200m north-west. The tank is last identified at this date and the nursery in the 1960s.
1920 1:10,560		

Dates and Map Scale	On site	Off site (surrounding area)
1934 – 1936 1:2,500 1933 & 1935 & 1938 1:10,560	<ul style="list-style-type: none"> No discernible changes. 	<ul style="list-style-type: none"> An additional gasometer is constructed on the gas works site c.200m east, as well as railway sidings extending onto this site c.150m north.
1946-1947 1:1,250 Aerial Imagery 1940-1950 & 1940-1958 1:10,000 1948 1:10,560	<ul style="list-style-type: none"> No discernible changes. 	<ul style="list-style-type: none"> Only 2no gasometers are identified on the gas works site.
1960 & 1960-1961 1:2,500 1960 & 1960-1972 & 1959-1960 & 1959-1980 & 1960-1974 & 1968-1983 1:1,250 1962-1966 & 1966-1967 1:10,000	<ul style="list-style-type: none"> The site is detailed as a depot. Railway cottages are detailed on the south-eastern corner. 	<ul style="list-style-type: none"> An area of ruins is detailed c.50m south. A goods depot and is present c.200m west adjacent to railway sidings. 3no garages are detailed just beyond c.250m south. 3no area of works are identified c.250m north-east. Warehouse buildings / works are detailed c.20m west beyond the railway line. An electrical substation is detailed c.200m north-west and last identified in the 1990s.
1975-1976 1:10,000 1973-1974 1:1,250 1960-1980 & 1968-1974 & 1973-1988 1:1,250	<ul style="list-style-type: none"> Railway sidings are no longer detailed on-site. Redevelopment of on-site structures, with possible warehouse style structure in central portion. A fuel depot, electrical substation, coal hoppers and timber yard are detailed on site. Of these only the electrical substation is identified beyond these maps and last identified in the early 1990s. 	<ul style="list-style-type: none"> The gas works is now identified as a depot. A works is present adjacent south-west and last identified in the 1990s. The goods depot c.200m west is no longer present and replaced by a coach repair works. No railway sidings are now identified in this area. Coal hoppers are detailed adjacent north and only identified at this date. An electrical substation and builders yard are detailed c.20m north-west. Furthermore, a tank is detailed c.50m north-west adjacent to a warehouse. A garage and works are detailed c.150m north.
1974-1991 & 1983-1989 & 1983 & 1989 & 1991 & 1992 & 1992-1994 1:1,250 1985 1:25,000 1988 & 1992 1:10,000	<ul style="list-style-type: none"> Only the timber yard use (and electricity substation) is detailed on-site from the mid-1980s. From the mid-1990s, car parking is detailed in the northern portion. 	<ul style="list-style-type: none"> Coach repair works c.200m west are now detailed as a 'Corporation Depot', which is last detailed at this location in the late 1990s and detailed as redeveloped in 1999. An electrical substation is detailed c.100m south. The works c.20m north-west is now detailed as a warehouse. A tank is detailed on the former gas works site c.110m north-east.

Dates and Map Scale	On site	Off site (surrounding area)
1999 Aerial Imagery 1999 1:10,000	<ul style="list-style-type: none">• The site is detailed in its current day layout.	<ul style="list-style-type: none">• The gasometers have been removed and much of the infrastructure on the former gas works site has been removed. An area of gas work infrastructure remains c.120 north-east of the site.
2006 & 2017 1:10,000	<ul style="list-style-type: none">• No discernible changes.	<ul style="list-style-type: none">• A petrol filling station, supermarket and car parking are detailed on the former gas works site. The petrol filling station is c.200m from the site boundary.

3.0 BACKGROUND INFORMATION AND ENVIRONMENTAL SETTING

3.1 Site Geology

The 1:50,000 British Geological Survey (BGS) map for South London (Survey Sheet Number 270, dated 1998) and BGS online map viewer, including borehole records, have been reviewed to provide information on the published underlying geology and ground conditions.

The site is reported to be underlain by superficial deposits comprising Kempton Park Gravel Member (comprising sand and gravel, locally with lenses of silt, clay or peat), which is shown to extend >100m laterally in all directions. This is underlain by bedrock comprising the London Clay Formation (silty sandy clay), which is shown to extend >1km laterally in all directions and is reported to be >50m vertical thickness.

The following BGS boreholes records were reviewed in the vicinity of the site:

- Record TQ17NE436, c.30m west, encountered Made Ground to 0.8m bgl, underlain predominantly by sands and gravels to 6.0m bgl, locally with lenses of soft sandy clay, considered to be indicative of the Kempton Park Gravel and further underlain by stiff clay, considered to be indicative of the London Clay to the base of the hole at 15m bgl. Groundwater was encountered at 3m bgl in superficial soils;
- Record TQ17NE62, c.100m east, encountered Made Ground to 0.9m bgl, underlain predominantly by gravels to 6.1m bgl, considered to be indicative of the Kempton Park Gravel and further underlain by stiff clay, considered to be indicative of the London Clay to the base of the hole at 15.2m bgl. Groundwater was encountered at c.1.5m bgl.

3.2 Mining and Mineral Extraction

The Envirocheck identifies no records of mining, mineral sites or natural cavities within 250m of the site.

3.3 Hydrology and Hydrogeology

The Envirocheck Report indicates that the nearest surface water feature within 500m of the site is a pond, located c.310m south of the site. The OS Water Network Map indicates the presence of possible field drains/ditches flowing in a southerly direction towards the pond, before trending to the east towards the River Thames. The River Thames is positioned approximately 1.4km to the north west and 1.3km to the south east at its closes positions, and generally flows in a easterly or south easterly direction at these locations.

The site is identified as being in a Flood Zone 1 (i.e. low probability of flooding); however, the EA reports a low to high flood risk from surface water locally across the site. It should be noted that this report does not purport to be making a flood risk assessment.

The Environment Agency classifies the Superficial Kempton Park Gravel Member as a Secondary A Aquifer and the London Clay Formation as an Unproductive Stratum. The site is not within a source protection zone, nor are there any groundwater abstractions within 1km of the site.

Groundwater is considered to be present within the Kempton Park Gravel Member based on historical borehole records and likely to be perched above the low permeability London Clay Formation. Regionally, groundwater is considered to flow in a north-easterly direction towards and in hydraulic connectivity with the River Thames, the dominant surface water feature in the vicinity of the site.

The following pollution incidents to controlled waters are detailed by the Envirocheck Report within 250m of the site:

- Category 2 significant incident positioned 210m north-east, dated May 1989. The pollutant is reported as unknown oils and no further information (including receiving water) is provided; and
- Category 3 minor incident positioned 250m north-east, dated December 1991. The pollutant is reported as unknown oils and no further information (including receiving water) is provided.

One discharge consent is present within 250m of the site, for discharge of groundwater to the River Terrace Gravels. This was issued in April 1998 and revoked in November 1999 and positioned 140m north-east of the site at the 'depot and former gas holder station'.

3.4 Landfilling and Waste Activities

No areas of registered or historical landfills are identified within the Envirocheck Report within 500m of the site, nor any licensed waste management facilities / transfer sites. Furthermore, no areas of infilled land are identified within 500m.

3.5 Radon

According to the Public Health England, the site is located in a lower probability radon area where <1% of homes are estimated to be at or above the action level and no radon protection measures are required.

3.6 Unexploded Ordnance Risk

Zetica regional unexploded bomb risk mapping (London – Southwest) indicated that the site is within a moderate risk with respect to unexploded ordnance in the vicinity of the site.

Online mapping indicates however that 4no high explosive bombs fell during WW2 within c.250m of the site, positioned between c.40 and 150m west of the site. It should be noted that only bombs during the Blitz (October 1940 – June 1941) are recorded on this mapping.

A Detailed Unexploded Ordnance (UXO)Threat and Risk Assessment undertaken by Alpha Associates (Ref P7115) on behalf of Landmark (190053937_1) identified high risk across the site and that further mitigation measures would be required during intrusive activities. It is therefore recommended that a specialist is consulted prior to any below ground works. A copy of the report is included within Appendix C.

3.7 Asbestos

This report does not purport to be providing an asbestos survey, for which an asbestos specialist should be consulted to provide an up to date survey prior to any building works on-site. However, it is noted that given the age of structures (pre 1999) and likely presence of Made Ground on-site, it is plausible that asbestos containing materials are present within both building fabrics and underlying Made Ground soils.

3.8 Invasive Species

An invasive species survey is outwith of the scope of this report and a specialist should be consulted. No invasive species were identified during the site walkover.

3.9 Sensitive Land Use

No Ramsar sites, sites of special scientific interest (SSSI), area of outstanding natural beauty or environmentally sensitive areas are identified at or within 500m of the site in the Envirocheck Report. The Royal Botanic Gardens Kew, are designated a World Heritage Site, positioned 350m north of the site.

Assessment of the archaeological and ecological setting of the site is outside the scope of this report.

3.10 Additional Environmental Information

Richmond Gas Works

The Envirocheck Report presents the following additional information pertaining to the former gas works:

- It is presented as a lower tier, active control of major accident hazard site;
- It has an inactive Notification of Installations Handling Hazardous Substances (NIHSS);
- It has previously been granted a planning hazardous substance consent for liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not).

There are no gas holders remaining on the former gas works site, and the more recent ordnance survey maps indicate the site has been redeveloped. It is not clear if any British Gas/Transco/National Grid assets or infrastructure remains.

Pollution Prevention and Controls

There are 3no. Local Authority Pollution Prevention and Controls positioned within 250m of the site as detailed below:

- Positioned 170m north to a petrol filling station since December 1998;
- Positioned 210m north-east to a petrol filling station since August 2000; and

- Positioned 240m north-east for waste oil burners and dated from September 1993; although it is noted that the authorisation has been revoked.

The above stated activities may present a source of contamination; however, the LAPPC's seek to control and prevent contamination to the surrounding environment associated with industrial / commercial processes.

Contemporary Trade Directory Entries

There is one contemporary trade directory entry issued on-site for electrical goods sales, manufacturers and wholesalers; however, this is noted as being inactive. Further contemporary trade directory entries positioned within 250m of the site and considered to be potentially contaminative are detailed in Table 2 below.

Table 2 – Off-Site Contemporary Trade Directory Entries Considered to be Potentially Contaminative

Entry	Location	Status
Builders merchant	20m south-west	Inactive
2no Builders merchant	30m north	Inactive
Builders merchant	30m north	Active
Distribution services	30m south-west	Inactive
Carpet, curtain and upholstery cleaners	30m south-west	Active
Tank cleaning and repairing	30m north	Inactive
Printers	30m north	Inactive
Aerosols (M S George)	30m north	Inactive
Optical goods manufacturers	30m north	Inactive
Manufacturers (Fiberweb Plc)	30m north	Inactive
Manufacturers (Fiberweb Plc)	50m west	Inactive
Tyre dealers	70m north	Inactive
Powder coatings	80m north	Inactive
Domestic cleaning services	110m north-west	Inactive
Classic car specialists	130m north	Inactive
Petrol filling station	170m north	Inactive
Cable and wire equipment manufacturers	170m north	Inactive
Garage services	180m north	Active
Garage services	170m north	Inactive
Garage services	150m west	Active
Tyre dealers	170m west	Active
Car customizing specialists	180m west	Inactive
Distilleries	200m west	Active
Distilleries	200m west	Inactive

Pottery manufacturers and suppliers	200m north-west	Inactive
Dry cleaners	210m north-west	Active
Road haulage services	210m north-west	Inactive
Clothing and fabrics manufacturers	230m north-east	Active
2no Car dealers	240m north-east	Active
Dairies	240m east	Inactive

3.11 Planning Information

A search of planning applications was undertaken on the London Borough of Richmond Upon Thames Planning Portal for planning applications at and adjacent to the site based on a post code search. No information was identified pertaining to ground conditions; although the following applications were identified which identify the former land uses and dates on-site.

On-Site

- Application ref.91/2125/CON for the *provision of an electricity substation*, which was granted permission in January 1992;
- Application ref.91/0270/OUT for the *erection of two non-food retail warehouse units within use class A1, one with garden centre, new vehicle and pedestrian access and car parking and associated landscaping*. This was granted permission in September 1991; and
- Application ref.91/2243/FUL for the *change of use of site from open air car sales to car parking and part bus lay-by facility....* This was granted permission in May 1992.

No further information pertaining to ground conditions on-site, off-site or on the Richmond gas works site was identified for review.

3.12 Consultation

The London Borough of Richmond Upon Thames and the Environment Agency were contacted regarding information pertaining to ground conditions and contamination at the site. Responses received have been summarised below and the full responses included in Appendix C.

London Borough of Richmond Upon Thames

LBRuT reported the following additional information in their contaminated land enquiry:

- The site is not on the council's contaminated land register under the Environmental Protection Act 1990 and no notice has been served or has been resolved at the property. Furthermore, the site has not been designated for inspection;
- No information is held on the presence of tanks / decommissioning;
- No EA authorised of historic landfill sites are detailed within 250m;
- LBRuT identifies 3no abstractions, all of which are for irrigation purposes, positioned 920m west, 1170m west and 1440m north-west. The depth of the abstraction is unknown, but it is noted that these location is underlain by the Taplow Gravel Member and London Clay Formation;
- Former industrial land uses identified by LBRuT within 50m are detailed in Table 3 overleaf.

Table 3 – Former Industrial Land Uses Identified in Regulatory Correspondence

Land Use	Location
Electrical Substation, dated 1974 only. Part 2A risk rating: low medium <i>Fairhurst note that this was last identified on historical mapping in the 1990s.</i>	On-site (in the centre of the north-western boundary)
Power station (excluding nuclear power), dated 1974 only. Part 2A risk rating: medium <i>Fairhurst note that this feature was not identified on historical mapping and the council were asked for further information; however, note that they do not hold any. It is therefore considered likely this relates to the electrical substation entry noted above.</i>	On-site (site wide)
Electricity distribution, including transformer, dated 2004 only. Part 2A risk rating: medium <i>Fairhurst consider that this is the same as the existing substation identified during the site walkover.</i>	On-site (on position of existing electrical substation)
Railway land, no date identified. No part 2A risk rating detailed <i>Fairhurst note that this was as identified on historical mapping and site walkover.</i>	Off-site (at location of existing railway lines, possibly encroaching on-site)
Waste recycling, treatment & disposal: Metal recycling sites (scrap iron & metal merchants), dated 1969-1970. Part 2A risk rating: medium high	Off-site (adjacent west beyond railway line) Fairhurst note that all of these were identified on historical mapping c.20-50m west of the site
Metal manufacturing, iron and steelworks, dated 1971-1976. Part 2A risk rating: medium	
Factory or works (unspecified use), dated 1976-2004. Part 2A risk rating: low medium	
Oil refineries and bulk storage of crude oil and pet. Products, dated 1974 only. Part 2A risk rating: low medium	
Electricity distribution including large transformer, dated 2004 only. Part 2A risk rating: low medium	
Electricity distribution including large transformer, dated 1974 only. Part 2A risk rating: low medium	Off-site (adjacent south-west beyond railway line)
Factory or works (unspecified use), dated 1976-1994. Part 2A risk rating: low medium <i>Fairhurst note that this is positioned at the location of a works identified on historical maps.</i>	
Railway land, including: goods station and car park; road haulage contractor, dated 1890-2004. Part 2A risk rating: medium <i>Fairhurst note that this is positioned at the location of the corporation depot, goods depot, coach repair works and depot identified on historical maps.</i>	Off-site (50m south-west)
Gas works, coke works, coal carbonisation plants, gas works depot. Producing gas from coal, lignite, oil or other carbonaceous materials other than waste, dated 1874-2004. Road vehicles: transport and haulage centres; dismantling, repairing or maintenance of road transport or road haulage vehicles, dated 1980-1990. Part 2A risk rating: medium <i>Fairhurst note that this is positioned at the location of the Richmond Gas Works identified on historical maps.</i>	Off-site (from 50m north-east)
Warehouse (light industrial: engines, building and general industrial to manufacture component parts for electrical and motor industries), dated 1978-2002 Part 2A risk rating: medium <i>Fairhurst note that this wasn't identified on historical mapping.</i>	Off-site (adjacent south-west beyond railway line)

LBRuT presented records of three site investigations undertaken within 250m of the site as detailed below:

Ground Investigation 1 - Structa LLP, titled Land at Orchard Road, Richmond, ref.3374-GE001B and positioned c.220m east of the subject site

Scope of Report

The report was undertaken for assessment of Geo-Environmental and Geotechnical considerations associated with the demolition of the existing warehouse and construction of a 5no storey building with a doctors surgery at ground level and residential dwellings above.

Structa identify that the site was formerly occupied as a dairy depot and anecdotally recently was used for vehicle maintenance, with the Richmond Gas Works possibly extending onto the western portion of the site.

Ground Conditions Encountered

Fairhurst note that the BGS published ground conditions are reported to be the Kempton Park Gravel Member overlying the London Clay Formation.

Structa undertook the following ground investigation: 6no cable percussive boreholes to a maximum depth of 20.45m bgl; 6no windowless sample boreholes to a maximum depth of 5.7m bgl; ground gas monitoring and groundwater sampling; permeability testing in boreholes; and laboratory analysis.

Ground conditions encountered by Structa are detailed in Table 4 below.

Table 4 - Ground Conditions Encountered During Structa Investigation

Stratum & Description	Top Depth Range (m bgl)	Maximum Proven Thickness (m)	SPT N Value Range
Made Ground <i>As variable granular and cohesive elements with anthropogenic inclusions of brick, concrete, glass and clinker.</i>	0.15 - 0.26	3.74	1 - 7
Kempton Park Gravel <i>Variable granular and cohesive elements, frequently with gravel of flint.</i>	1.2 - 4.0	4.2	4 - >50 [^]
London Clay Formation <i>Firm becoming stiff silty CLAY.</i>	4.7 - 5.6	14.85 [*]	19 - 32 [#]

[^]One SPT N value of 4 recorded, remaining values were recorded between 14 and 50.

^{*}The base of the London Clay Formation was not proven.

[#]3no undrained triaxials were undertaken on this formation between 6.5 and 15.5m bgl, with recorded values of between 40 and 85kN/m².

During groundwater monitoring, Structa identified a resting groundwater level of between 2.2 and 2.9m bgl and was considered to be flowing in a south-easterly / easterly direction. Fairhurst note that no topographical assessment was undertaken of groundwater levels and therefore this cannot be verified.

Geotechnical Assessment

Limited Geotechnical conclusions were presented; however, the following is noted:

- Falling head permeability testing indicated an infiltration rate of between 3.96×10^{-5} and 5.96×10^{-8} m/s in the Kempton Park Gravel; and
- Structa noted that piles should be constructed to DS-4, AC-4 and pile caps to DS-5, AC-5 based on the buried sulphate classification.

Contamination Assessment

Fairhurst have briefly reviewed the Structa contamination assessment; however, it is noted that the site is considered to likely be down hydraulic gradient of the site and therefore no significant risks are considered to the subject site from this assessment. However, it is noted that given that this site is adjacent to the former gas works, this investigation may be indicative of the contamination associated with this historical source.

- During the ground investigation, visual / olfactory evidence of chemical and hydrocarbon odours and sheens were frequently noted in all exploratory hole locations, typically from c.1.5-2.0m bgl;
- Soil analysis of contamination was undertaken, which identified concentrations of arsenic, cyanide, petroleum hydrocarbons and polycyclic aromatic hydrocarbons in excess of their

assessment criteria assuming a residential end use without the consumption of homegrown produce. Asbestos was detected in 3 of 7no Made Ground soil samples analysed. Structa concluded that the provision of a capping layer and vapour resistant membrane would mitigate the risks to identified human health receptors;

- Structa undertook groundwater analysis and compared concentrations to Environmental Quality and Drinking Water Standards. Concentrations of arsenic, cyanide, petroleum hydrocarbons, BTEX, polycyclic aromatic hydrocarbons and phenols were recorded in excess of their assessment criteria and was considered to be attributable to the former gas works. Structa undertook a detailed groundwater assessment and concluded that based on the contaminants and conditions encountered, no remediation of soils and groundwater would be required to be protective of controlled waters;
- Three rounds of ground gas monitoring were undertaken with recorded methane <0.1%, carbon dioxide ranged between <0.1 and 16.2%, maximum peak flow of 0.3l/hr and maximum PID of 4,000ppm. Structa concluded that the site would be reflective of Characteristic Situation 2 (i.e. low hazard potential) and additionally would require a hydrocarbon vapour resistant membrane.

Ground Investigation 2 - Exploration Associates Limited, titled Manor Road Gas Works, Richmond, Factual Report on Ground Investigation, ref.145046, May 1995

Scope of Report

The report was undertaken to establish ground and groundwater conditions to enable a contamination assessment to support the proposed redevelopment of the site.

Ground Conditions Encountered

Fairhurst note that the BGS published ground conditions are reported to be the Kempton Park Gravel Member overlying the London Clay Formation.

Exploration Associates undertook the following ground investigation: 6no cable percussive boreholes to a maximum depth of 7m bgl; 30no trial pits to a maximum depth of 3.7m bgl; 17no probe holes to a maximum depth of 6.2m bgl; ground gas and groundwater monitoring; and laboratory analysis.

Made Ground was encountered in all exploratory holes and proven to a maximum depth of 3.5m bgl (base of the exploratory hole). This deposit was reported to be of variable composition ranging from gravelly clays to sands and gravels with flint, brick, ash, clinker, concrete, metal and ceramic.

'Terrace Deposits' were encountered in exploratory holes advanced to a sufficient depth and typically comprised gravelly SAND, sandy GRAVEL and sandy CLAY.

The London Clay Formation was encountered in 3no exploratory holes and proven to a maximum depth of 7m bgl (base of excavation) and typically comprised stiff silty CLAY.

Groundwater was typically encountered in exploratory holes between 2.0 and 3.5m bgl.

No exploratory hole records, nor details of laboratory testing has been presented for review.

Ground Investigation 3 - Peter Brett Associates LLP (PBA), titled Cliveden House, 19-22 Victoria Villas, Richmond, London ref.33222/3501 Phase 2 Issue 01, February 2015 and positioned c.80m west of the site

Scope of Report

The report was undertaken to support the discharge of contaminated land planning conditions associated with the conversion of an existing commercial building to residential with private gardens. PBA note that the site was historically occupied by terraced residential properties, 2no warehouse type structures, a works and office space.

Ground Conditions Encountered

Fairhurst note that the BGS published ground conditions are reported to be the Kempton Park Gravel Member overlying the London Clay Formation.

PBA undertook 5no hand excavated trial pits to 1.2m bgl, which encountered Made Ground in all excavations as gravelly silty CLAY with inclusions of concrete, brick, slate and clinker.

Geo-Environmental laboratory testing was undertaken for metals, polycyclic aromatic hydrocarbons, petroleum hydrocarbons and asbestos screen. Concentrations of lead were recorded in excess of their assessment criteria for residential setting with consumption of homegrown produce. PBA concluded that to mitigate identified risks, 600mm of clean capping should be placed to break the contaminant pathway to future site users in areas of proposed soft landscaping. PBA considered no risks to controlled waters given

that leachate tests undertaken as part of waste acceptance criteria analysis recorded concentrations beneath assessment criteria and noting that there are no potable groundwater abstractions were identified within 1km. Furthermore, no risks were reported from ground gases as the composition of Made Ground was considered to represent a very low gas generation potential and from vapours noting that no petroleum hydrocarbons in soil analysis. PBA noted that water supply pipes may come into contact with Made Ground and new water supply pipes will be required to be 'barrier pipes'.

Environment Agency (EA)

A response was received from the EA in September 2018 (as detailed within Appendix C). The following information was provided:

- No landfills were known to be located within 500m of the site (corroborating with information provided by the London Borough of Richmond and the Envirocheck Report);
- That they were not aware of any incidents relating to contaminated land within 500m of the site;
- That no sites designated under Part 2a were believed to be within close proximity of the site;
- That no groundwater level monitoring sites were positioned within 500m of the site and therefore neither information relating to local depth to groundwater nor flow direction was held;
- No records were held relating to water quality;
- A single groundwater abstraction borehole was noted in relation to spray irrigation use located at the Richmond Athletics Ground (c.970m to the north-west); and,
- In relation to the former Richmond Gas Works located adjacent and to the north-east of the site, no investigation records were held, however following note their database dated from 2001 detailed the following:

“Groundwater contaminated with TPH, BTEX compounds and PAHs. Hotspots of heavy metals and PAHs. Remedial measures included the installation of a bentonite wall on the East & South of the site, excavation of 1.5m from across the site and the removal of buried structures. Groundwater remediation measures also include the removal of LNAPL and disposal off-site, groundwater treatment ex-situ and reinjection, and a period of monitoring to EA satisfaction.”

Network Rail

Fairhurst contacted and met with representatives of Network Rail (30th August 2018) in order to discuss potential constraints to the site development posed by the railway lines to the north-west and the south of the site.

Network Rail confirmed their responsibility for the lines and also that they require access to the railway via the gate to the south-west of the site in order to reach signalling equipment. In relation to the proposed development, Network Rail was generally happy with the provisions for this access incorporated into the existing design. Although Network Rail would likely not have any objections to the scheme and were generally satisfied with the required distance from the proposed blocks to their boundary, it was considered that final site layout (particularly referencing blocks within the southern portion of the site) will require further consultation and approval with Network Rail.

Liaison with Network Rail is ongoing.

Transport for London

Transport for London have confirmed that the Overground route at this location is owned and managed by Network Rail and TfL only has running rights on this route. Furthermore, the District line is under TfL / London Underground ownership and management.

London Underground

London Underground have stated that their assets will not be affected by works on-site; although there are Network Rail assets close to the site.

London Overground

London Overground have stated that they have no assets within close proximity of the site.

4.0 PRELIMINARY CONCEPTUAL MODEL AND QUALITATIVE RISK ASSESSMENT

A preliminary conceptual model represents the characteristics of the site that show the possible relationship between contaminant sources, pathways and receptors. The following outline conceptual model is based on the findings of the PRA. The principles of environmental risk assessment are presented in Appendix F.

The significance of the presence of sources, pathways and receptors is considered by carrying out a risk assessment of all potential pollutant linkages. The assessment has been undertaken to inform on potential geo-environmental risks associated with the redevelopment of the site for a residential led end use development.

4.1 Source Characterisation

Potentially contaminative land uses (current and historic) identified as part of this PRA are detailed in Table 5 below.

It is considered that when the distance from a potential source to the site is more than 250m, the creation of a realistic source-pathway-receptor linkage (contaminant transfer) is unlikely. This is, unless the primary pathway of concern is the migration of ground gas (such as from a historic landfill site or backfilled quarry). Therefore, typically, potential sources more than 250m from the site are excluded from the risk assessment. Where sources are discounted for alternative reasons, due to the absence of a realistic source-pathway-receptor linkage, this is stated in Table 5.

Table 5 – Identified Potential Sources of Contamination

Source (Date first identified on historical mapping)	Location	Identified by	Discounted
<i>On-site</i>			
Made Ground	On-site	Borehole records	No, nature and composition of fill material is unknown.
Current use of site as Homebase and pet store	On-site	Site walkover	Yes, no potential sources of contamination were identified during site walkover and shop use not considered to pose risk of contamination. Fly tipping was limited and noted to be of tyres, cushions, rubbish, plastics and turf and no contamination is anticipated from these sources. Area of paint storage was noted to be limited and not considered to present contamination source.
Former site use as car wash	On-site	Site walkover / Online aerial imagery	No, potential for chemicals to have been used.
Current site use as car parking and bus stand	On-site	Site walkover	No, potential for localised hotspots of contamination from spillages, interceptors and venting pipes identified in this area.
Historical uses including timber yard, crane, railway sidings, fuel depot, coal hoppers, electrical substation and power station	On-site	Historical maps / Council correspondence	No, potential for contamination to remain from historical sources.
Electrical substation	On-site (north-western corner and	Historical maps / Site walkover / Council correspondence	No, potential for historic and ongoing contamination from source.

	centre of western boundary)		
Asbestos containing materials in building fabrics	On-site	Historical maps / building age	Yes, it is considered that asbestos in building fabrics is unlikely to impact soil / groundwater. It is considered that an up to date asbestos survey will be undertaken prior to the demolition of existing structures. Asbestos may be present in soil from historic structures / Made Ground; however, this is covered in the Made Ground source detailed above.
Contemporary trade directory entry for electrical goods sales, manufacturers and wholesalers	On-site	Envirocheck report	Yes, no potential sources of contamination considered to be present associated with shop use.
Off-site			
Railway lines (1867 - present)	Bounding site to south and west	Historical maps / Site walkover / Council correspondence	No, potential for contamination to be present from source.
Richmond gas works and associated activities, including railway sidings, gas holders, tank etc (1867 - present) Later detailed as works / depot (1975 - 1990s)	Historically from 50m NE Present day 120m NE	Historical maps / Council correspondence	No, whilst source is likely down hydraulic gradient, potential for gas/groundwater impact to have had a widespread impact on groundwater quality in the area. Further, ground investigation is required to confirm hydraulic gradient.
Militia barracks and drill ground (1867 - 1894)	150-200m NW	Historical maps	Yes, noting that the source is considered to be down hydraulic gradient and the time passed since its presence.
Nursery (1867 - 1960)	200m NW	Historical maps	Yes, noting that the source is considered to be down hydraulic gradient and considered unlikely to be significant;
Laundry (1896 - 1898)	200m SW	Historical maps	No, source is up assumed hydraulic gradient of the site and relic contamination may remain from source, although unlikely given >100 years and likely volatile vapour nature of contaminants. Some detergents can be pervasive in the groundwater environment.
Corporation depot (1896 - 2004) Goods depot (1960 - 1970s). Later coach repair works (1970s - 1980s) and depot (late 1980s)	200m W	Historical maps / Council correspondence	No, source is up hydraulic gradient of the site and relic contamination may remain from source.
Nursery (1896 - 1913)	100m S	Historical maps	No, source is up hydraulic gradient of the site and relic contamination may remain from source, although given time passed since its presence (>100 years), this is considered unlikely.

Timber yard (1896 - 1913)	100m N	Historical maps	Yes, noting that the source is considered to be down hydraulic gradient and the time since present; therefore allowing for natural attenuation of contamination.
Smithy (1913)	200m E	Historical maps	Yes, noting that the source is considered to be down hydraulic gradient and the time since present; therefore allowing for natural attenuation of contamination.
3no garages (1960 - 1990s)	250m S	Historical maps	No, source is up hydraulic gradient of the site and relic contamination may remain from source.
3no works (1960 - 1990s). One of which is considered to be the car dealership / garage identified during the walkover 2no active car dealers positioned here	240-250m NE	Historical maps / Site walkover / CTDE	Yes, noting that the source is considered to be down hydraulic gradient and the time since present; therefore allowing for natural attenuation of contamination.
Warehouse buildings / works (1970s - present) Electrical substation (1970s - unspecified) Builders yard, identified as Travis Perkins during walkover (1970s - present) and 3no CTDE positioned at this location Tank (1970s - unspecified). CTDE for inactive tank cleaning and repair positioned here Additional CTDE for printers, aerosols, 2no optical goods, tyre dealers, powder coatings and domestic cleaning services positioned here	20 - 50m W	Historical maps / Site walkover Council correspondence / CTDE	No, potential for contamination to be remain associated with sources. Although, limited contamination considered to be present associated with ongoing Travis Perkins / builder's warehouse use.
F.A. Clover & Sons Ltd and Big Yellow Self Storage	20 - 50m W	Site walkover	Yes, no potential sources of contamination are considered associated with shop use.
Electrical substation (1960 - 1990s)	200m NW	Historical maps	Yes, noting that the source is considered to be down hydraulic gradient of the site.
Works (1975 - 1990s) Identified CDTE as inactive builders merchant, inactive distribution services and active carpet, curtain and upholstery cleaners	Adjacent SW	Historical maps / CTDE / Council correspondence	No, potential for contamination to be remain associated with source.
Coal hoppers (1970s - 1980s)	Adjacent N	Historical maps	No, potential for contamination to be remain associated with source.
Garage (petrol filling station) and works (1970s -	150m N	Historical maps / Site walkover /	Yes, noting that the source is considered to be down hydraulic

present) CTDE for inactive petrol filling station, inactive cable and wire equipment manufacturers and active and inactive garage services positioned here		CTDE	gradient of the site.
Electrical substation (1990s - unknown)	100m S	Historical maps	No, potential contamination present from source and it is positioned up hydraulic gradient of the site.
Petrol filling station (2000s - present)	200m NE	Historical maps / site walkover	Yes, noting that the source is considered to be down hydraulic gradient of the site.
Warehouse (light industrial: engines, building and general industrial to manufacture component parts for electrical and motor industries) (1978-2002)	20m S	Council correspondence	No, potential for contamination to be remain associated with source.
Classic car specialists	130m N	CTDE	Yes, source considered to be down hydraulic gradient.
Active garage services, active tyre dealers, inactive car customizing specialists, inactive and active distilleries, inactive pottery manufacturers and suppliers, active dry cleaners and inactive road haulage services	150-210m W / NW	CTDE	No, source is potentially up hydraulic gradient of the site.
Active clothing and fabrics manufacturers and inactive dairies	230-240m NE	CTDE	Yes, sources are considered to be down hydraulic gradient
Category 2 significant incident positioned 210m north-east, dated May 1989. Pollutant was unknown oils and no further information is provided Category 3 minor incident positioned 250m north-east, dated December 1991. Pollutant was unknown oils and no further information is provided		Envirocheck report	Yes, noting that the source is considered to be down hydraulic gradient of the site.

Contaminants of concern associated with the sources outlined above are listed in Table 6 below. Whilst they have been withdrawn, Department of Environment (DoE) industry profiles have been utilised for reference, where available. Figure 2a and 2b presents potential sources of contamination (on and off-site respectively), which are carried forwards to the conceptual site model.

Table 6 – Contaminants of Concern

Source	Contaminants of Concern
On-site	
Made Ground	Metals, PAH, asbestos, TPH, ground gas
Former car wash	Metals, PAH, TPH, VOC, SVOC
Car parking	Metals, TPH, SVOC, VOC PAH

Historical uses including timber yard, crane, railway sidings, fuel depot, coal hoppers, electrical substation and power station	Metals, PAH, asbestos, TPH, PCB, VOC, SVOC, phenols, pesticides
Electrical substation	PCB, TPH, PAH, metals, VOC, SVOC
Off-site	
Railway lines (1867 - present)	DoE industry profiles note the following potential contaminants in the vicinity of tracks: metals, VOC, PAH, pesticides
Richmond gas works and associated activities, including railway sidings, gas holders, tank etc (1867 - present)	Metals, TPH, PCB, PAH, VOC, SVOC, ammonia, phenols, cyanide (total), sulphates
Later detailed as works / depot (1975 - 1990s)	
Laundry (1896 - 1898)	VOC, solvents
Corporation depot (1896 - 2004)	Metals, TPH, VOC, SVOC, and PAH
Goods depot (1960 - 1970s). Later coach repair works (1970s - 1980s) and depot (late 1980s)	
Nursery (1896 - 1913)	Metals, pesticides
3no garages (1960 - 1990s)	Metals, TPH, VOC, SVOC, and PAH
Warehouse buildings / works (1970s - present) Electrical substation (1970s - unspecified) Builders yard, identified as Travis Perkins during walkover (1970s - present) and 3no CTDE positioned at this location Tank (1970s - unspecified). CTDE for inactive tank cleaning and repair positioned here Additional CTDE for printers, aerosols, 2no optical goods, tyre dealers, powder coatings and domestic cleaning services positioned here	Metals, PCB, PAH, TPH, VOC, SVOC
Works (1975 - 1990s) Identified CDTE as inactive builders merchant, inactive distribution services and active carpet, curtain and upholstery cleaners	PAH, TPH, VOC, SVOC, metal
Coal hoppers (1970s - 1980s)	Metal, PAH
Electrical substation (1990s - unknown)	Polychlorinated biphenyls, petroleum hydrocarbons, metals
Warehouse (light industrial: engines, building and general industrial to manufacture component parts for electrical and motor industries) (1978-2002)	PCB, PAH, TPH, VOC, SVOC, metal
Active garage services, active tyre dealers, inactive car customizing specialists, inactive and active distilleries, inactive pottery manufacturers and suppliers, active dry cleaners and inactive road haulage services	PAH, TPH, VOC, SVOC, metal

Metals and inorganic compounds including but not limited to As, B, Cd, Cr total, Cr VI and III, Cu, Hg, Ni, Pb, Se, Zn/ phenols, cyanide (free and total), asbestos and sulphates / VOC: volatile organic compounds / SVOC: semi volatile organic compounds / PAH: polycyclic aromatic hydrocarbons / TPH CWG: total petroleum hydrocarbons / PCB: polychlorinated biphenyls / Ground gas including but not limited to CO₂, CH₄, CO, H₂S

4.2 Receptor Characterisation

The following receptors are identified at the site:

- Human health: future site workers and residents and off-site adjacent land users, including neighbours and members of the public;
- Building materials and below ground structures (foundations and services); and
- Controlled waters: the underlying Secondary A Aquifer (Kempton Park Gravel Member).

The River Thames is not considered a receptor to on-site contamination, noting the distance of this surface water feature to the site (>1.6km). Furthermore, the off-site pond positioned c.310m south is considered to likely be up hydraulic gradient and therefore not considered to be a receptor from on-site contamination. Three groundwater abstractions were identified during council liaison, and were noted to be positioned west and north-west of the site and at closest 920m from the site; therefore, these have been discounted as they are not considered to be in hydraulic connectivity with the site.

It is assumed that appropriate Health & Safety measures, based upon a qualitative environmental risk assessment of site conditions by the contractor will be adopted during any future below ground maintenance works. This is likely to include personal protective equipment (PPE). It is considered that these measures will adequately mitigate the risk to construction and future maintenance workers from potential sources of contamination. Therefore, future construction and maintenance workers are not discussed further as part of this risk assessment.

Pollution linkages have not been identified to ecology as a Part IIA and Non-Part IIA Receptor at this stage. However, this report does not purport to be making ecological recommendations, for which a specialist should be consulted.

4.3 Pathway Characterisation

The potential pathways by which receptors might be exposed to contaminants (sources) at the site can vary depending on the proposed or current land use (i.e. commercial or residential land use). The assessment has been based on a residential end use.

For humans, the following are considered plausible exposure pathways:

- Migration, accumulation and inhalation of soil gas / vapours via permeable soils and groundwater;
- Direct contact and ingestion / inhalation of contaminated soils in areas of soft landscaping; and
- Ingress of contaminants into conduits, contaminating drinking water supplies.

Noting that the proposed development is to include multi-storey apartment buildings and therefore assumed shared landscaping spaces, the consumption of home grown produce has been excluded from the assessment.

For building materials and below ground structures (including foundations and services), the following are considered plausible exposure pathways:

- Soil gas / vapour accumulation in confined spaces and voids within or beneath structures; and
- Direct contact of building fabric with contaminated soils.

For controlled waters, the following pathways may be present:

- Vertical leaching and migration of contaminants from the soil to groundwater; and
- Lateral migration of on-site groundwater off-site or from off-site groundwater on-site.

4.4 Pollutant Linkages

The significance of future potential pollutant linkages at the site is now qualitatively assessed by considering the magnitude of the hazard, and the possibility of the linkages occurring based on the observations made above and taking consideration of the continued commercial end use. Potential pollutant linkages are identified in Table 7.

Table 7 – Preliminary Qualitative Risk Assessment for Identified Sources of Contamination

Source	Potential contaminants	Potential Pathway (s)	Potential receptor (s)	Assessment	Potential Severity	Potential Probability	Risk Class
On-site sources	Metals, TPH, PAH, PCB, VOC, SVOC, sulphates, asbestos, pesticides	Direct contact with contaminated soils Direct ingestion / inhalation of contaminated soils Ingestion of contaminated water from drinking water supply pipes	Human health (on-site)	Development proposals include areas of soft landscaping. Residential end use is more sensitive than existing commercial. Possible that new drinking water supply pipes are to be laid.	Medium	Likely	Moderate
	Ground gases / VOC	Inhalation of accumulated soil ground gases or vapours Lateral migration of volatile compounds in groundwater	Human health (on and off site)	Potential for ground gases to be present attributable to Made Ground or the degradation of organic contamination. Furthermore, potential sources of VOC identified.	Severe	Low	Moderate
	Ground gases / VOC	Soil gas / vapour accumulation in confined spaces and voids within or beneath structures	Buildings and service conduits (on and off-site)	As above.	Severe	Low	Moderate
	Metals, TPH, PAH, PCB, VOC, SVOC, pesticides Sulphates in London Clay Formation	Direct contact of building fabric with contaminated soils	Buildings and service conduits (on and off-site)	Sources of contamination identified on-site and associated with historic uses which may result in aggressive chemical conditions within Made Ground. Soft landscaping associated with proposed development may increase vertical leaching of contamination. Plausible that proposed building foundations are positioned beneath the groundwater table.	Mild	Likely	Moderate / Low
	Metals, TPH, PAH, PCB, VOC, SVOC, asbestos, pesticides	Vertical leaching and migration of contaminants from the soil to groundwater Lateral migration of groundwater off-site	Secondary A Aquifer (on and off-site)	Soft landscaping associated with proposed development may increase vertical leaching of contamination. Whilst no abstractions / surface water features are identified, the resource potential of the Secondary A Aquifer should be considered. Shallow groundwater was encountered from 1.5m bgl within BGS borehole records in the Kempton Park Gravel Formation.	Medium	Likely	Moderate

Source	Potential contaminants	Potential Pathway (s)	Potential receptor (s)	Assessment	Potential Severity	Potential Probability	Risk Class
Off-site sources	Ground gases / VOC	Inhalation of accumulated soil ground gases or vapours Lateral migration of volatile compounds in groundwater	Human health (on-site)	Potential sources of ground gases identified and there is potential for these to migrate in the unsaturated zone onto site. Potential for VOCs to migrate in groundwater or via the unsaturated zone to beneath the site.	Severe	Low	Moderate
	Ground gases / VOC	Soil gas / vapour accumulation in confined spaces and voids within or beneath structures	Buildings and service conduits (on - site)	As above.	Severe	Low	Moderate
	Metals, TPH, PCB, PAH, VOC, SVOC, ammonia, cyanide (total), sulphates, pesticides	Contact with building structures and services with contaminated groundwater migrating onto site	Buildings and service conduits (on - site)	Plausible that proposed building foundations will be positioned beneath the groundwater table and therefore in contact with contaminated groundwater migrating onto site.	Mild	Likely	Moderate / Low
	Metals, TPH, PCB, PAH, VOC, SVOC, ammonia, cyanide (total), sulphates, pesticides	Vertical leaching and migration of contaminants from the soil to groundwater Lateral migration of off-site groundwater on-site	Secondary A Aquifer (on-site)	Potential for contaminated groundwater to be flowing onto site. No abstractions identified on-site; however, resource potential could be impacted.	Medium	Likely	Moderate

5.0 GEOTECHNICAL CONSIDERATIONS

The following geotechnical considerations are noted associated with the development.

Basement Development

- Consultation with LBRuT identifies that the basement development would be subject to Policy LP 11 from their local plan, which details: and
 - A. The Council will resist subterranean and basement development of more than one storey below the existing ground level to residential properties or those which were previously in residential use.
 - B. Proposals for subterranean and basement developments will be required to comply with the following:
 1. Extend to no more than a maximum of 50% of the existing garden land or more than half of any other undeveloped garden area (this excludes the footprint of the original building);
 2. Demonstrate the scheme safeguards the structural stability of the existing building, neighbouring buildings and other infrastructure, including related to the highway and transport; a Structural Impact Assessment will be required where a subterranean development or basement is added to, or adjacent to, a listed building.
 3. Use natural ventilation and lighting where habitable accommodation is provided;
 4. Include a minimum of 1 metre naturally draining permeable soil above any part of the basement beneath the garden area, together with a minimum 200mm drainage layer, and provide a satisfactory landscaping scheme;
 5. Demonstrate that the scheme will not increase or otherwise exacerbate flood risk on the site or beyond, in line with policy LP 21 Flood Risk and Sustainable Drainage;
 6. Demonstrate as part of a Construction Management Statement that the development will be designed and constructed so as to minimise the impact during construction and occupation stages (in line with the Local Environmental Impacts, Pollution and Land Contamination policy of this Plan);
 - C. Proposals for subterranean and basement developments, including extensions, as well as lightwells and railings, will be assessed against the advice set out in the Council's SPDs relating to character and design as well as the relevant Village Planning Guidance and the forthcoming SPD on Basements and Subterranean Developments. Applicants will be expected to follow the Council's Good Practice Guide on Basement Developments.
- Furthermore, the LBRuT planning advice note 'Good Practice Guide on Basement Developments', May 2015 Consultation with LBRuT identifies that the basement development would be subject to Policy LP 11 from their local plan, which details potential requirements including: contacting utilities, Network Rail and Transport for London to confirm that works will not interfere with their infrastructure; flood risk assessment taking consideration of groundwater and potential groundwater flooding; assessment of land stability; structural assessment taking consideration of ground conditions and groundwater, existing trees and infrastructure and drainage; site investigation; and assessment of ground movements.

On the basis of the foregoing, it is considered that a Basement Impact Assessment and/or Ground Movement Assessment may be required to confirm the absence of adverse impacts to existing offsite infrastructure assets or neighbouring structures, subject to the development details/design and liaison with TFL/LUL and/or Network Rail and the Local Planning Authority.

Below Ground Structures and Utilities

- Council correspondence notes that the site is within a National Grid safeguard zone (unknown if this relates to the former Richmond Gas Works) and a possible Southern Gas Network structure was identified in the south-eastern corner of the site. Furthermore, existing utilities are likely to be present on-site associated with the existing development, including the electrical substation. Existing services may require removal, capping and diversion associated with the development. Furthermore, it is recommended that full service plans are obtained in advance of any below ground investigation works;
- Relic foundations and structures may be present associated with the historic development of the site. Obstructions may need to be delineated and grubbed out as part of any future earthworks at the site; and

- As detailed in Section 3.6, the site is within a high risk area with respect to unexploded ordnance. It is recommended that a UXO specialist is contacted prior to any below ground works.

Foundation Appraisal

- There is the potential for aggressive sulphates in Made Ground and London Clay Formation, which may impact buried concrete and as such will require further consideration as part of any ground investigation;
- Trees are present bounding the site and pre-application consultation with LBRuT identifies that there are tree preservation orders at the site. It is considered probable that existing tree roots are present in the Kempton Park Gravel Formation and should this formation prove to be cohesive in nature the volume change potential should be considered where trees are to be removed or planted associated with the development;
- Structural loads are unknown at this stage. Noting proposed development heights of between 4 and 9no storeys, it is considered that loads may exceed traditional shallow foundations (i.e. pads and strips) and foundations may need to be piled. Following ground investigation consideration could be given to shallow foundations and raft basement slabs, dependent on settlement tolerances and the thickness and density of the Kempton Park Gravels;
- Based on BGS borehole records, it is considered that a piled foundation solution would extend into the London Clay Formation. Foundation design will be subject to structural loads and ground investigation findings.

Adjacent Railways

- District, Overground and National Rail tracks bound the site to the south and the west. It is likely that additional assessments will be required to confirm the potential impacts of development on these assets, including during ground investigation and future development.

Further Considerations

- Soakaways may be feasible within the granular Kempton Park Gravel Formation; however, given the potential for contamination identified, further risk assessments may be required to ensure that these do not result in increased mobilisation of potential contamination. Furthermore, BGS borehole logs have identified a groundwater table from c.1.5m bgl and the shallow depth to groundwater may preclude the use of soakaway drainage.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Geo-Environmental

This report has identified potential sources of contamination on-site, including those that predate the commercial building, including Made Ground, timber yards, electrical substations, car wash, coal hoppers, fuel depot, power station and car parking. Furthermore, off-site sources of contamination were identified, most notably the former Richmond Gas Works positioned to the north-east of the site beyond Manor Road.

Potential risks were assessed against sensitive receptors including human health, building structures and services and controlled waters as the underlying Kempton Park Gravel Member (Secondary A Aquifer).

Typically a moderate risk was identified to receptors associated with the proposed development. It is considered that contaminated land planning conditions will be included associated with the development and it is recommended that a ground investigation is undertaken to further quantify potential risks.

6.2 Geotechnical

Potential Geotechnical considerations identified including:

- Presence of railway lines adjacent to the south and west of the site. The development will require ongoing consultation with Network Rail following Fairhurst's initial meeting with regards to confirming absence of risk to their assets;
- It is noted that the site is within a National Grid safeguard zone and additional services are likely to be present associated with the development of the site. Existing services may require removal, capping and diversion associated with the development. Furthermore, it is recommended that full service plans are obtained in advance of any below ground investigation works;
- Structural loads are preliminary at this stage. Noting proposed development heights of between 4 and 9no storeys, it is considered that loads may exceed traditional shallow foundations (i.e. pads and strips) and foundations may need to be piled. Based on BGS borehole records, it is considered that a piled foundation solution would extend into the London Clay Formation. Foundation design will be subject to structural loads and ground investigation findings; and
- The site is within a high risk area with respect to unexploded ordnance. A detailed assessment is currently being undertaken and the findings should be referred to prior to any below ground / excavation works.

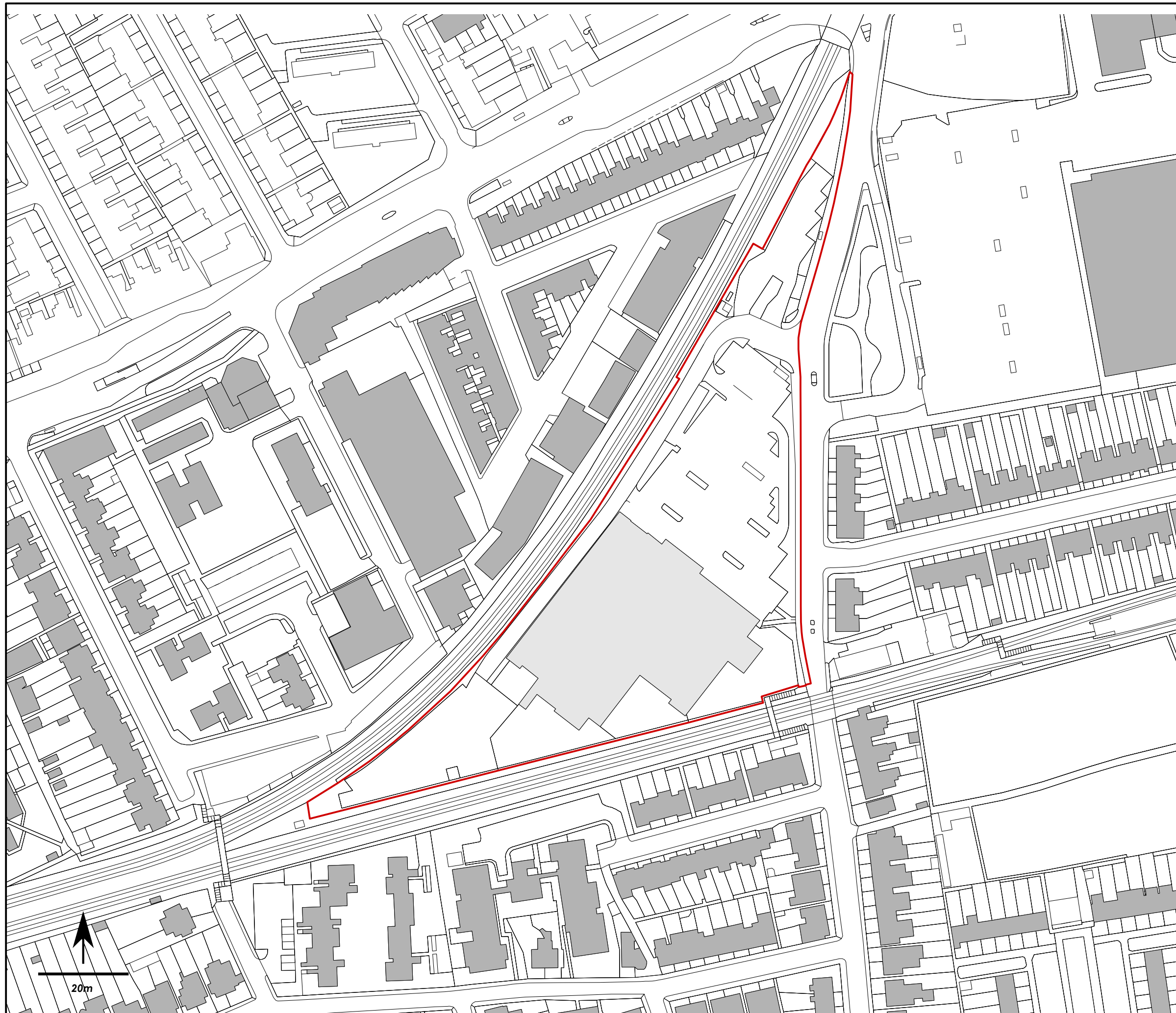
6.3 Recommendations

It is recommended that an intrusive ground investigation is undertaken to further quantify Geo-Environmental and Geotechnical risks associated with the development. The above assessment is based on the proposed development plans included in Appendix A and the assessment should be revised if these are amended.

Following a design freeze (November 2018), Appendix A has been updated for the revision of this report.

Figure 1
Site Location Plan





Do not scale from this drawing.

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.

RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM NO.

CONSTRUCTION

DEMOLITION

FOR INFORMATION RELATING TO USE, CLEANING AND MAINTENANCE SEE THE HEALTH AND SAFETY FILE

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

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Drawn: EY		Checked: AS		Approved: AS																			
Date: 04/12/18		Date: 05/12/18		Date: 05/12/18																			
Drawing No.: 126782 Figure 1					Revision: A																		

FAIRHURST

Client:
Avanton

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LONDON
SE1 9EA

Tel: 020 7828 8205
Fax: 084 4381 4412
Fairhurst.co.uk

Project Title:
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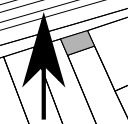
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Date:
05/12/18

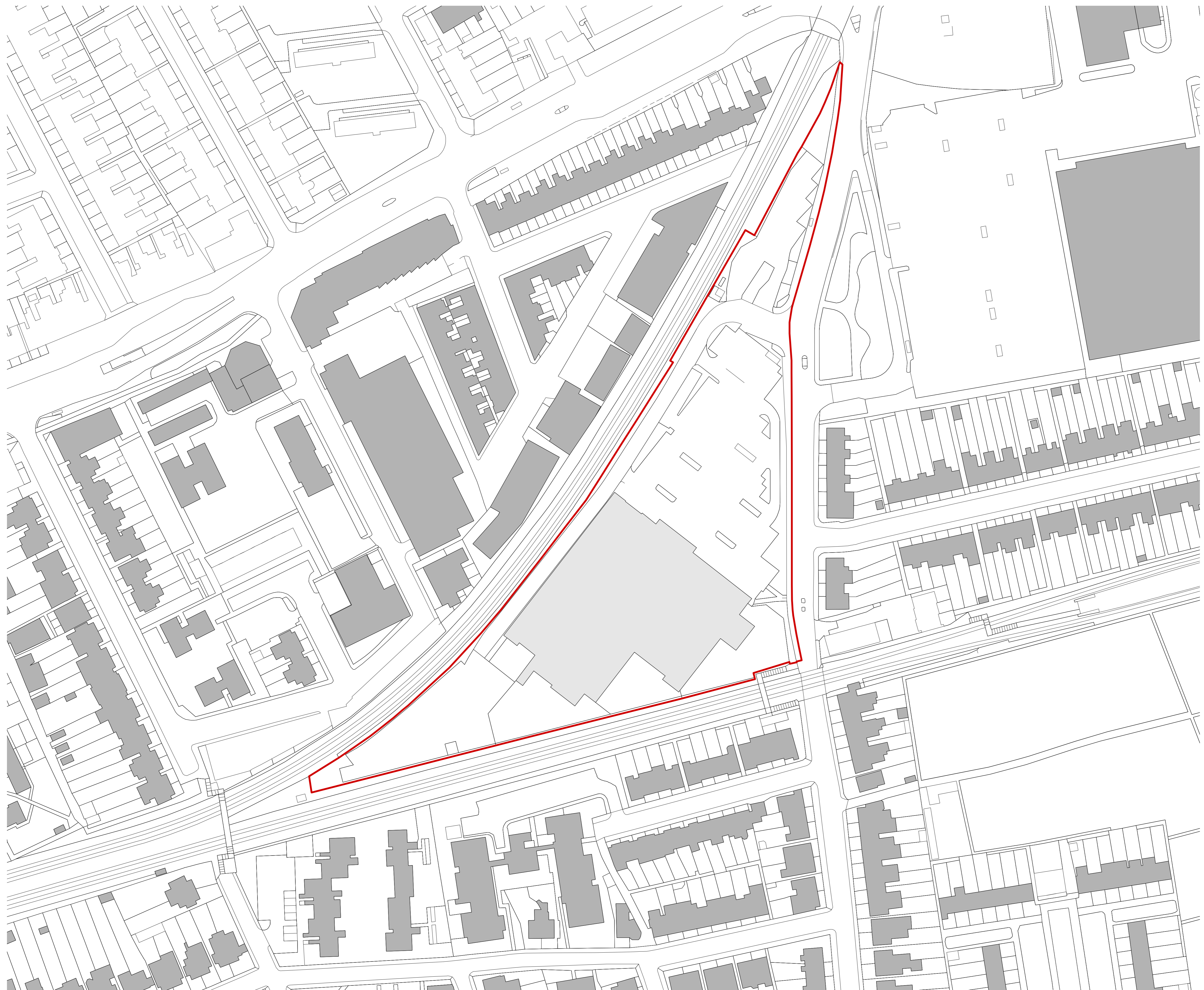
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Drawing No.:
126782 Figure 1

Revision:
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20m



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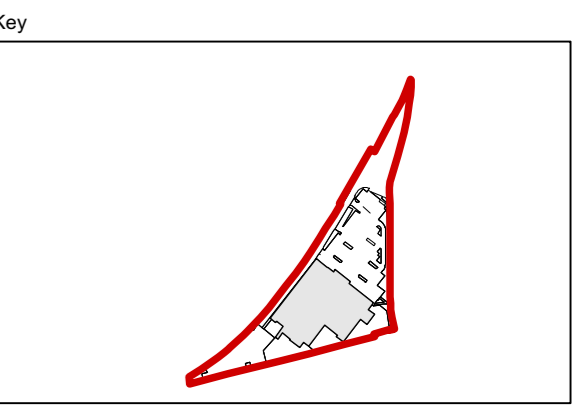
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Client Title Block

Client
Avanton

Project title
**A3004
 Manor Road Richmond**

Drawing title
Boundary Plan

Scale @ A1 size Date
1:500 Dec '18

Drawing N°
A3004 100

Status & Revision
Existing site plan



Figure 2
Potential Sources of Contamination



Legend

Potential Sources of Contamination On-Site

- Former Car Wash
- Former Coal Hoppers
- Former Crane
- Former Depot
- Former Electrical Substation
- Former Fuel Depot
- Former Railway Sidings
- Made Ground, Former Timber Yard & Former Power Station (location unknown)
- Car Parking / Bus Stand
- Electrical Substation
- - - Site Boundary

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LONDON
SE1 9EA

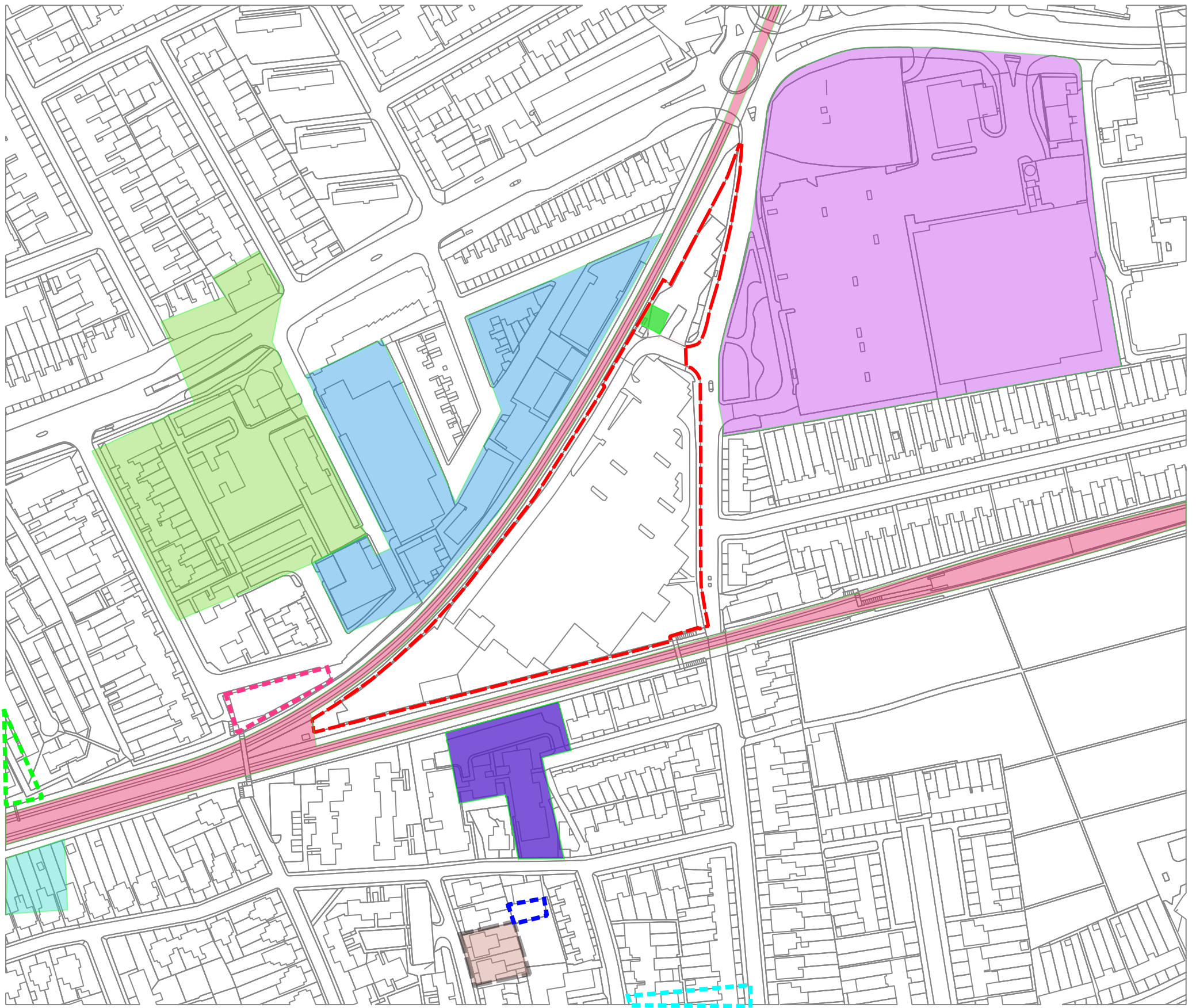
Tel: 020 7828 8205
Fairhurst.co.uk

Client:
Avanton Limited

Project Title:
Site off Manor Road, Richmond

Drawing Title:
**Potential Sources of Contamination On-Site
126782**

Scale at A1: NTS	Status: N/A	
Drawn: FS	Checked: CB	Approved: CB
Date: 10/08/2018	Date: 10/08/2018	Date: 10/08/2018
Drawing No.: Figure 2A	Revision: -	



Legend

- - - Corporation & Goods Depots and Coach Repair Works
- - - Electrical Substation
- - - Former 3no Garages
- Former Coal Hoppers
- Former Laundry
- Former Light Industrial Warehouse
- Former Nursery
- Former Richmond Gas Works
- Former Warehouses, Works, Electrical Substation, Builders Yard, Tank and Various CTDE
- - - Former Works, Builders Merchant, Distribution Services & Carpet Cleaners
- Railway Lines
- Various CTDE
- - - Site Boundary

FAIRHURST

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LONDON
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Tel: 020 7828 8205
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Client:
Avanton Limited

Project Title:
Site off Manor Road, Richmond

Drawing Title:
**Potential Sources of Contamination Off-Site
126782**

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Drawn: FS	Checked: CB	Approved: CB
Date: 10/08/2018	Date: 10/08/2018	Date: 10/08/2018
Drawing No.: Figure 2B		Revision: -

APPENDIX A
Development Proposals





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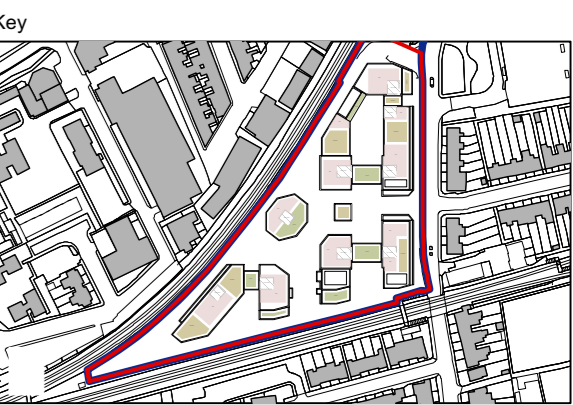
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Avanton

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A3004 Manor Road Richmond

Drawing title
GA Plans Roof Plan

Scale @ A1 size **1:500** Date **Nov '18**

Drawing N° **A3004 210**

Status & Revision **P12**

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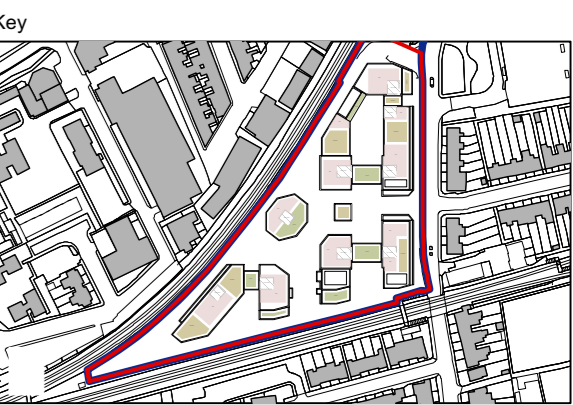
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 Manor Road Richmond**

Drawing title
**GA Plans
 Eighth Floor**

Scale @ A1 size **Date**
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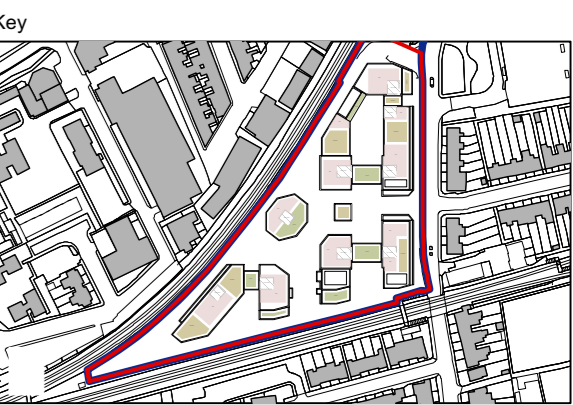
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Drawing title
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 Seventh Floor**

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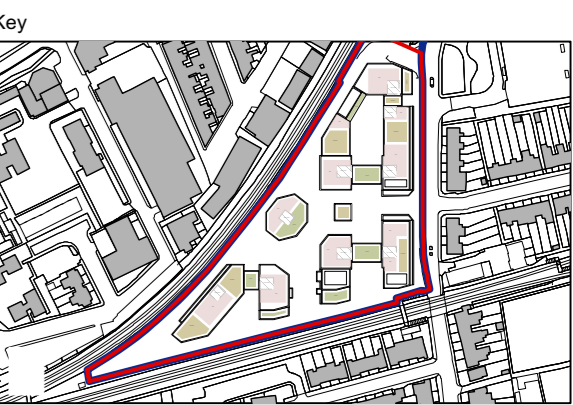
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 Manor Road Richmond**

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Drawing notes

Electronic file reference
 Enter Source Filename ' Eg AA Title Block'

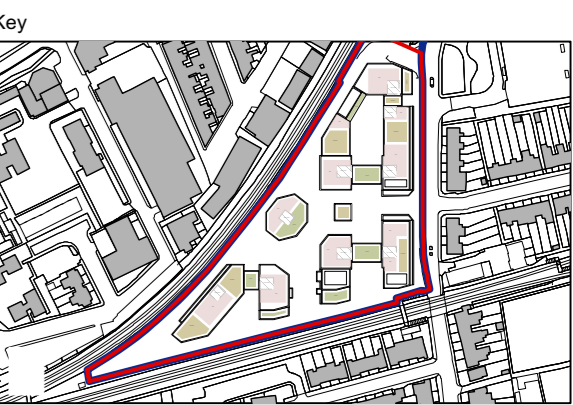
Status R:	Revision	Date	DRN	CHK	CDM
2	For Information	7/6/18	HB	JL	
3	For Information	26/7/18	HB	JL	
4	For Information	8/8/18	HB	JL	
5	For Information	23/8/18	AS	JL	
6	Not Issued	-			
7	For Information	29/8/18	AS	HB	
8	For Information	26/9/18	AS	HB	
9	For Information	17/10/18	AS	HB	
10	For Information	19/10/18	AS	HB	
11	For Information	21/11/18	AS	HB	

Purpose of information

The purpose of the information on this drawing is for:

Planning
 Information
 Comment
 Client approval
 Construction

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Client
Avanton

Project title
**A3004
 Manor Road Richmond**

Drawing title
**GA Plans
 Fifth Floor**

Scale @ A1 size
1:500

Date
Nov '18

Drawing N°
A3004 205

Status & Revision
P12

Assael

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 London SW15 2TL

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 info@assael.co.uk
 www.assael.co.uk



General notes

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 All levels must be checked on site and refer to
 Ordnance Datum Newlyn unless alternative Datum given
 All fixings and weathers must be checked on site
 All dimensions must be checked on site
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 This drawing must be read in conjunction with all other
 relevant drawings, specification clauses and current design risk
 register
 This drawing must not be used for land transfer purposes
 Calculated areas in accordance with Assael Architecture's
 Definition of Areas for Schedule of Areas
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 construction
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Revision Status:
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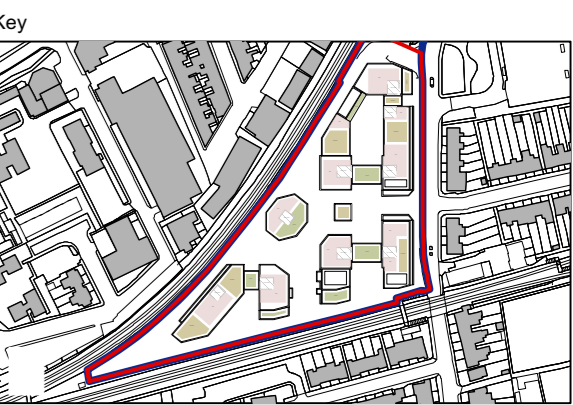
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Planning	<input type="checkbox"/>
Information	<input checked="" type="checkbox"/>
Comment	<input type="checkbox"/>
Client approval	<input type="checkbox"/>
Construction	<input type="checkbox"/>

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Client
Avanton

Project title
**A3004
 Manor Road Richmond**

Drawing title
**GA Plans
 Fourth Floor**

Scale @ A1 size
1:500

Date
Nov '18

Drawing N°
A3004 204

Status & Revision
P12



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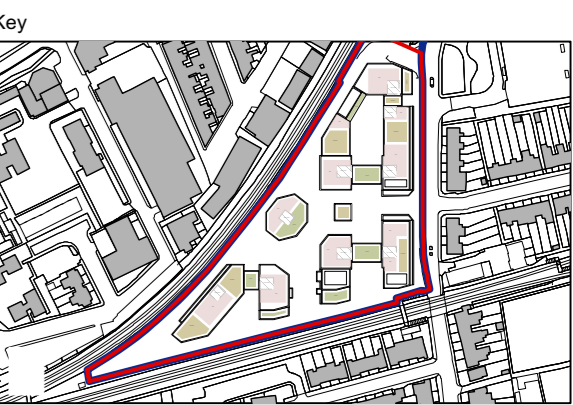
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10	For Information	19/10/18	AS	HB	
11	For Information	21/11/18	AS	HB	

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Information
 Comment
 Client approval
 Construction

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Client
Avanton

Project title
**A3004
 Manor Road Richmond**

Drawing title
**GA Plans
 Third Floor**

Scale @ A1 size
1:500

Date
Nov '18

Drawing N°
A3004 203

Status & Revision
P12



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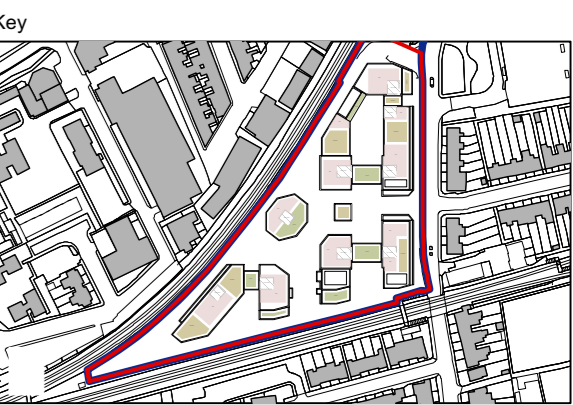
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11	For Information	21/11/18	AS	HB	

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Planning	<input type="checkbox"/>
Information	<input checked="" type="checkbox"/>
Comment	<input type="checkbox"/>
Client approval	<input type="checkbox"/>
Construction	<input type="checkbox"/>

All information on this drawing is not for construction unless it is marked for construction.



Client
Avanton

Project title
A3004 Manor Road Richmond

Drawing title
GA Plans Second Floor

Scale @ A1 size Date
1:500 Nov '18

Drawing N°
A3004 202

Status & Revision
P11



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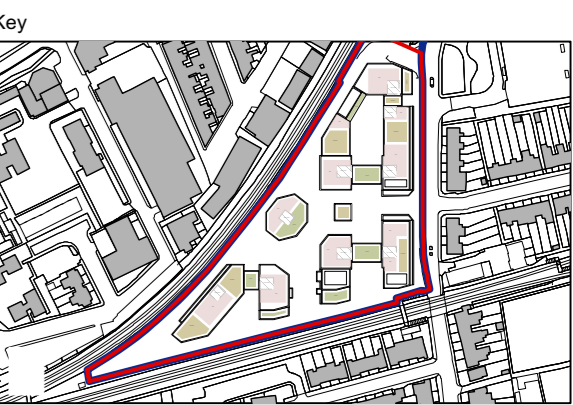
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Information	<input checked="" type="checkbox"/>
Comment	<input type="checkbox"/>
Client approval	<input type="checkbox"/>
Construction	<input type="checkbox"/>

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Client
Avanton

Project title
A3004 Manor Road Richmond

Drawing title
GA Plans First Floor

Scale @ A1 size Date
1:500 **Nov '18**

Drawing N°
A3004 201

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P11



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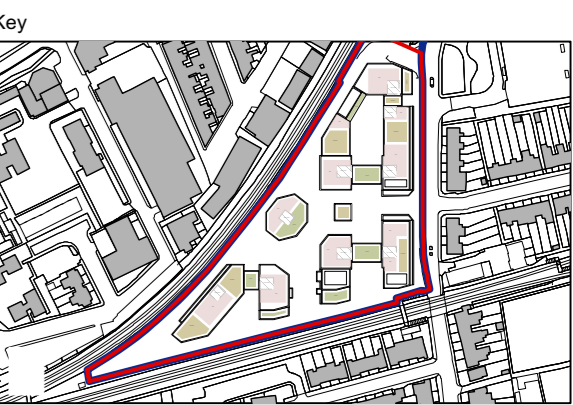
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Information
 Planning
 Comment
 Client approval
 Construction

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Client
Avanton

Project title
**A3004
 Manor Road Richmond**

Drawing title
**GA Plans
 Ground Floor**

Scale @ A1 size
1:500

Date
Nov '18

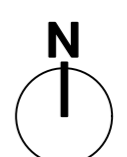
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Information

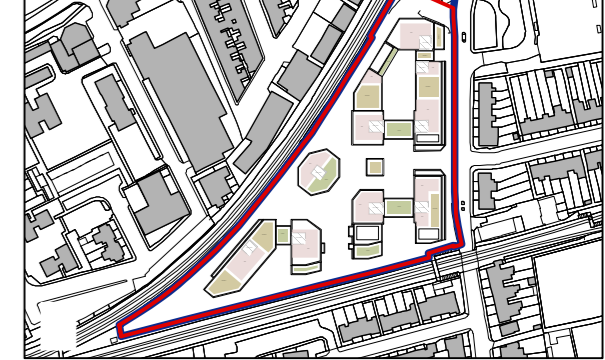
Comment

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Client approval

Construction

Key



Client

Avanton

Project title

**A3004
 Manor Road Richmond**

Drawing title

**GA Plans
 Basement**

Scale @ A1 size Date

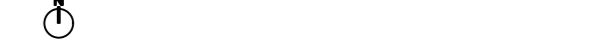
1:500 Nov '18

Drawing N°

A3004 199

Status & Revision

P11



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 info@assael.co.uk
 www.assael.co.uk

APPENDIX B
Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

142584674_1_1

Customer Reference:

Homebase, Richmond

National Grid Reference:

518890, 175430

Slice:

A

Site Area (Ha):

1.58

Search Buffer (m):

1000

Site Details:

Homebase Ltd, 84

Manor Road

RICHMOND

TW9 1YB

Client Details:

Ms C Barber

Fairhurst

135 Park Street

London

SE1 9EA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	9
Hazardous Substances	10
Geological	11
Industrial Land Use	16
Sensitive Land Use	45
Data Currency	46
Data Suppliers	53
Useful Contacts	54

Introduction

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

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

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1		
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 1		3	5	4
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3			Yes	
Pollution Incidents to Controlled Waters	pg 3		1	1	
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3				(*13)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 6	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 7			5	10

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 9	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 9				3
Potentially Infilled Land (Water)	pg 9				2
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 10		1		
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 10		1		
Planning Hazardous Substance Consents	pg 10		1		
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 11	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry					
BGS Recorded Mineral Sites	pg 11				2
BGS Urban Soil Chemistry	pg 11		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 14	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 14	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 16	1	37	45	111
Fuel Station Entries	pg 32		2	3	3
Points of Interest - Commercial Services	pg 33		9	8	14
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 35		17	5	21
Points of Interest - Public Infrastructure	pg 39		8	9	30
Points of Interest - Recreational and Environmental	pg 43		3	3	5
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves	pg 45				1
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 45				1
Special Areas of Conservation	pg 45				1
Special Protection Areas					
World Heritage Sites	pg 45			1	1

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A7NW (NW)	0	1	518885 175433
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (N)	311	1	518885 175850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A7SW (S)	381	1	518950 175000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SE)	495	1	519400 175150
1	Discharge Consents Operator: Bg Properties Plc. Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Depot & Gas Holder Station, Manor Road, Richmond Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CATM.3197 Permit Version: 1 Effective Date: 14th April 1998 Issued Date: 14th April 1998 Revocation Date: 5th November 1999 Discharge Type: Miscellaneous Discharges - Mine / Groundwater As Raised Discharge: Underground Water Environment: Receiving Water: River Terrace Gravels Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A11SW (NE)	143	2	519080 175620
2	Local Authority Pollution Prevention and Controls Name: Bp Express Shopping Location: Lower Mortlake Road, RICHMOND, Surrey, TW9 4LU Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: 04/PVR Dated: 31st December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A11SW (N)	169	3	518973 175709
3	Local Authority Pollution Prevention and Controls Name: Sainsburys Service Station Location: Manor Road, Lower Richmond Road, RICHMOND, Surrey, TW Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: 19/PVR Dated: 30th August 2000 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A11SW (NE)	206	3	519121 175671
4	Local Authority Pollution Prevention and Controls Name: Lance Owen Location: 1-5 North Road, RICHMOND, Surrey, TW9 4HA Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: EP/M/93/01/P1 Dated: 23rd September 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A11SW (NE)	237	3	519068 175749
5	Local Authority Pollution Prevention and Controls Name: Black Horse Service Station Location: 174-176 Sheen Road, RICHMOND, Surrey, TW9 1XD Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: 13/PVR Dated: 31st December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A7SW (S)	323	3	518961 175063

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Richmond Motor Centre (Esso) Location: 293 Lower Richmond Road, RICHMOND, Surrey, TW9 4LU Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: 11/PVR Dated: 31st December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the address or location</p>	A11SE (NE)	365	3	519298 175687
7	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Richmond Service Station Location: 22-24 Popham Gardens, Lower Richmond Road, RICHMOND, Surrey, TW9 4LJ Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: 05/PVR Dated: 31st December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address</p>	A11SE (NE)	421	3	519332 175744
8	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Pristine Laundries Location: 90 Kew Road, Richmond, Tw9 2pq Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: LBRUT/DC/21 Dated: 1st April 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A10SW (W)	474	3	518315 175478
9	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Vip Dry Cleaners Location: 21 Lower Richmond Road, Richmond, Tw9 2lp Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: Not Supplied Dated: 17th May 2013 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A6NW (W)	482	3	518294 175408
10	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Ducane Dry Cleaners Location: 2 Westminster House, Kew Road, Richmond, Tw9 2nd Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: LBRUT/DC/09 Dated: 1st April 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A5NE (W)	718	3	518069 175213
11	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: East Sheen Service Station Location: 567 Upper Richmond Road West, LONDON, SW14 7ED Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: 12/PVR Dated: 31st December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address</p>	A8NW (E)	748	3	519716 175312
12	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Prospect Filling Station Location: 199 Lower Richmond Road, RICHMOND, Surrey, TW9 4LN Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: 14/PVR Dated: 31st December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address</p>	A12NW (NE)	761	3	519675 175811

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: The Clean Machine Location: 18 Eton Street, Richmond, Tw9 1ee Authority: London Borough of Richmond upon Thames, Environmental Health Department Permit Reference: LBRUT/DC/04 Dated: 1st April 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A5SE (SW)	866	3	518045 174881
	<p>Nearest Surface Water Feature</p>	A6SE (S)	314	-	518817 175037
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Bells Garage, TWICKENHAM Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 4th May 1989 Incident Reference: SE890158 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A11SW (NE)	213	2	519100 175700
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Dancer Road Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 3rd December 1991 Incident Reference: SE910347 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A11SW (NE)	254	2	519140 175720
	<p>Water Abstractions</p> <p>Operator: Richmond Athletics Assoc Ltd Licence Number: 28/39/35/0009 Permit Version: 100 Location: Gravel At Richmond Athletics Ground, Kew Foot Road, Richmond Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 75 Yearly Rate (m3): 15911 Details: Gravel At Richmond Athletics Ground, Kew Foot Road, Richmond, Surrey Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (W)	1017	2	517800 175650
	<p>Water Abstractions</p> <p>Operator: Royal Mid Surrey Golf Club Licence Number: 28/39/35/0006 Permit Version: 100 Location: Borehole B Gravel At Royal Mid Surrey Golf Club, Richmond Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gravel At Royal Mid Surrey Golf Club, Old Deer Park, Twickenham Road, Richmond, Surrey Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 28th March 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1367	2	517450 175700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Royal Mid Surrey Golf Club Licence Number: 28/39/35/0006 Permit Version: 100 Location: Borehole A Gravel At Royal Mid Surrey Golf Club, Richmond Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 480 Yearly Rate (m3): 43000 Details: Gravel At Royal Mid Surrey Golf Club, Old Deer Park, Twickenham Road, Richmond, Surrey Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 28th March 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1371	2	517460 175750
	<p>Water Abstractions</p> <p>Operator: The Trustees Of Royal Mid-Surrey Golf Club Licence Number: 28/39/35/0006 Permit Version: Not Supplied Location: Royal Mid-Surrey Golf Club, Old Deer Park, Twickenham Road, RICHMOND Authority: Environment Agency, Thames Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 480 Yearly Rate (m3): 43000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(W)	1371	2	517460 175750
	<p>Water Abstractions</p> <p>Operator: D & D Leisure Sports Ltd Licence Number: 28/39/39/0180 Permit Version: 100 Location: Dukes Meadow Golf Club, London - Borehole Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 55 Yearly Rate (m3): 8000 Details: Dukes Meadow Golf Club, Great Chertsey Road, London, W4 Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(NE)	1723	2	520500 176320
	<p>Water Abstractions</p> <p>Operator: D G Tilles & R H Tilles Licence Number: 28/39/34/0008 Permit Version: 103 Location: The Exiles Ground, Twickenham- Borehole A Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Exiles Ground, Twickenham Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 24th April 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(SW)	1757	2	517840 173860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: D.G.Tilles & R.H.Tilles Licence Number: 28/39/34/0008 Permit Version: 102 Location: Borehole At The Exiles Ground, Twickenham Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Exiles Ground, Twickenham Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 14th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(SW)	1757	2	517840 173860
	<p>Water Abstractions</p> <p>Operator: Threadneedle Property Part. Licence Number: 28/39/34/0008 Permit Version: 101 Location: Borehole At The Exiles Ground, Twickenham Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Exiles Ground, Twickenham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st March 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(SW)	1757	2	517840 173860
	<p>Water Abstractions</p> <p>Operator: Cable & Wireless (Meadowbank) Ltd Licence Number: 28/39/34/0008 Permit Version: 100 Location: Borehole At The Exiles Ground, Twickenham Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 56 Yearly Rate (m3): 5300 Details: The Exiles Ground, Twickenham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th October 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(SW)	1757	2	517840 173860
	<p>Water Abstractions</p> <p>Operator: The Secretary Of State For Justice Licence Number: Th/039/0035/002 Permit Version: 1 Location: Well 2 At The National Archives, Kew, Richmond, Surrey Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd June 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(N)	1763	2	519490 177220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: The Secretary Of State For Justice Licence Number: Th/039/0035/002 Permit Version: 1 Location: Well 2 At The National Archives, Kew, Richmond, Surrey Authority: Environment Agency, Thames Region Abstraction: Amenity: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd June 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1763	2	519490 177220
	Water Abstractions Operator: The Secretary Of State For Justice Licence Number: Th/039/0035/002 Permit Version: 1 Location: Well 1 At The National Archives, Kew, Richmond, Surrey Authority: Environment Agency, Thames Region Abstraction: Amenity: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd June 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1798	2	519480 177260
	Water Abstractions Operator: The Secretary Of State For Justice Licence Number: Th/039/0035/002 Permit Version: 1 Location: Well 1 At The National Archives, Kew, Richmond, Surrey Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd June 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1798	2	519480 177260
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 39 West London Scale: 1:100,000	A7NW (NW)	0	2	518885 175433
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A7NW (NW)	0	1	518885 175433
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A7NW (NW)	0	1	518885 175433
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences None				
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 302.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7SW (S)	440	4	519040 174959
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7SW (S)	444	4	519025 174955
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1669.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7SE (SE)	490	4	519312 175048
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 333.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7SE (SE)	490	4	519312 175048
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7SE (SE)	490	4	519312 175048
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 557.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7SE (SE)	511	4	519282 174994
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 585.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7SW (S)	517	4	519016 174877
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (SE)	821	4	519560 174827
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (SE)	821	4	519560 174827

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (SE)	839	4	519558 174800
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (SE)	839	4	519558 174800
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (SE)	841	4	519555 174794
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (SE)	842	4	519556 174795
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A3NE (SE)	865	4	519534 174743
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 348.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A3NE (SE)	866	4	519537 174744

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: London Borough of Richmond Upon Thames - Has no landfill data to supply		0	5	518885 175433
30	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SW (S)	613	-	519007 174775
31	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A3NE (SE)	805	-	519465 174764
32	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1988	A12NW (NE)	831	-	519747 175820
33	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1871	A2NE (S)	657	-	518615 174710
34	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1871	A2NE (S)	687	-	518613 174680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<p>Control of Major Accident Hazards Sites (COMAH)</p> <p>Name: Transco Plc Location: Manor Road, RICHMOND, Surrey, TW9 4QH Reference: Not Supplied Type: Lower Tier Status: Active Positional Accuracy: Manually positioned to the address or location</p>	A11SW (NE)	140	6	519093 175593
36	<p>Notification of Installations Handling Hazardous Substances (NIHHS)</p> <p>Name: Transco Location: Ricmond Holder Station, Manor Road, RICHMOND, Surrey, TW9 4OB Status: Not Active Positional Accuracy: Manually positioned to the address or location</p>	A11SW (NE)	137	6	519093 175588
37	<p>Planning Hazardous Substance Consents</p> <p>Name: British Gas North Thames Location: Richmond Holder Station, Manor Road, Richmond, TW9 4QB Authority: London Borough of Richmond upon Thames Application Ref: 92/1926/Hs Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 115 Application date: 18th November 1992 Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m</p>	A11SW (NE)	156	5	519104 175608

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A7NW (NW)	0	1	518885 175433
	BGS Estimated Soil Chemistry No data available				
38	BGS Recorded Mineral Sites Site Name: Pesthouse Common Gravel Pit Location: , Richmond, Surrey Source: British Geological Survey, National Geoscience Information Service Reference: 164156 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Palaeogene Geology: London Clay Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A7SW (S)	614	1	519012 174776
39	BGS Recorded Mineral Sites Site Name: Sheen Common Gravel Pit Location: , East Sheen, Surrey Source: British Geological Survey, National Geoscience Information Service Reference: 164175 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	861	1	519495 174717
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518820, 175217 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 17.80 mg/kg Concentration: Cadmium Measured 2.90 mg/kg Concentration: Chromium Measured 96.10 mg/kg Concentration: Lead Measured 287.00 mg/kg Concentration: Nickel Measured 33.30 mg/kg Concentration:	A6NE (S)	139	1	518820 175217
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518799, 175617 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 20.10 mg/kg Concentration: Cadmium Measured 1.40 mg/kg Concentration: Chromium Measured 88.90 mg/kg Concentration: Lead Measured 389.60 mg/kg Concentration: Nickel Measured 39.70 mg/kg Concentration:	A10SE (NW)	152	1	518799 175617
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 519109, 175261 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 16.80 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 51.30 mg/kg Concentration: Lead Measured 287.90 mg/kg Concentration: Nickel Measured 19.30 mg/kg Concentration:	A7NW (SE)	195	1	519109 175261

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518841, 175735 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 16.60 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 59.90 mg/kg Concentration: Lead Measured 194.20 mg/kg Concentration: Nickel Measured 18.60 mg/kg Concentration:	A10SE (N)	214	1	518841 175735
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 519257, 175746 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 15.10 mg/kg Concentration: Cadmium Measured 1.80 mg/kg Concentration: Chromium Measured 79.70 mg/kg Concentration: Lead Measured 204.10 mg/kg Concentration: Nickel Measured 22.50 mg/kg Concentration:	A11SE (NE)	360	1	519257 175746
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518725, 174855 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 16.80 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 57.60 mg/kg Concentration: Lead Measured 200.70 mg/kg Concentration: Nickel Measured 19.30 mg/kg Concentration:	A6SE (S)	496	1	518725 174855
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518150, 175250 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 14.40 mg/kg Concentration: Cadmium Measured 1.10 mg/kg Concentration: Chromium Measured 83.70 mg/kg Concentration: Lead Measured 178.30 mg/kg Concentration: Nickel Measured 23.70 mg/kg Concentration:	A5NE (W)	632	1	518150 175250
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518164, 175649 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 15.00 mg/kg Concentration: Cadmium Measured 1.00 mg/kg Concentration: Chromium Measured 69.50 mg/kg Concentration: Lead Measured 96.50 mg/kg Concentration: Nickel Measured 18.70 mg/kg Concentration:	A9SE (W)	676	1	518164 175649

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518300, 174805 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 14.40 mg/kg Concentration: Cadmium Measured 0.40 mg/kg Concentration: Chromium Measured 53.60 mg/kg Concentration: Lead Measured 319.00 mg/kg Concentration: Nickel Measured 17.60 mg/kg Concentration:	A6SW (SW)	721	1	518300 174805
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 519348, 174760 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 10.00 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 39.80 mg/kg Concentration: Lead Measured 54.90 mg/kg Concentration: Nickel Measured 6.60 mg/kg Concentration:	A3NE (SE)	743	1	519348 174760
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 519290, 176226 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 20.50 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 55.10 mg/kg Concentration: Lead Measured 380.00 mg/kg Concentration: Nickel Measured 28.00 mg/kg Concentration:	A15SE (NE)	763	1	519290 176226
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 519756, 175702 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 13.40 mg/kg Concentration: Cadmium Measured 2.50 mg/kg Concentration: Chromium Measured 92.40 mg/kg Concentration: Lead Measured 113.40 mg/kg Concentration: Nickel Measured 23.50 mg/kg Concentration:	A12SW (E)	806	1	519756 175702
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 518628, 176301 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 20.70 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 49.60 mg/kg Concentration: Lead Measured 111.50 mg/kg Concentration: Nickel Measured 15.90 mg/kg Concentration:	A14SE (N)	818	1	518628 176301

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 519801, 175178 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 17.00 mg/kg Cadmium Measured Concentration: 5.20 mg/kg Chromium Measured Concentration: 75.60 mg/kg Lead Measured Concentration: 196.50 mg/kg Nickel Measured Concentration: 30.50 mg/kg	A8NW (E)	857	1	519801 175178
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum Concentration: 1.00 mg/kg Arsenic Average Concentration: 17.00 mg/kg Arsenic Maximum Concentration: 161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 165.20 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 79.00 mg/kg Chromium Maximum Concentration: 2094.00 mg/kg Lead Minimum Concentration: 11.00 mg/kg Lead Average Concentration: 280.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 2.00 mg/kg Nickel Average Concentration: 28.00 mg/kg Nickel Maximum Concentration: 506.00 mg/kg	A7NW (NW)	0	1	518885 175433
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (NW)	0	1	518885 175433
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A7NW (NW)	0	1	518885 175433
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A7NW (NW)	0	1	518885 175433
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (NW)	0	1	518885 175433
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (NW)	0	1	518885 175433
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A7NW (NW)	0	1	518885 175433

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NW)	0	1	518874 175457
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A7NW (NW)	0	1	518885 175433
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A7NW (NW)	0	1	518885 175433

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	Contemporary Trade Directory Entries Name: Currys Location: 86, Manor Road, Richmond, Surrey, TW9 1YB Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (N)	0	-	518885 175437
41	Contemporary Trade Directory Entries Name: Trident Construction Location: Clarence Court, 5, Dee Road, Richmond, TW9 2JN Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A6NE (SW)	20	-	518766 175373
41	Contemporary Trade Directory Entries Name: Laxton Rice Transport Location: 1, Dee Road, Richmond, Surrey, TW9 2JN Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A6NE (SW)	32	-	518742 175361
41	Contemporary Trade Directory Entries Name: Perfect Clean Location: 1, Dee Road, Richmond, Surrey, TW9 2JN Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Manually positioned to the address or location	A6NE (SW)	32	-	518742 175361
42	Contemporary Trade Directory Entries Name: Traders Builders Merchants Location: 8-14, Bardolph Road, Richmond, Surrey, TW9 2LH Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SW (N)	25	-	518882 175506
42	Contemporary Trade Directory Entries Name: Tankcoat Ltd Location: 8-14, Bardolph Road, Richmond, Surrey, TW9 2LH Classification: Tank Cleaning & Repairing Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SW (N)	25	-	518882 175506
42	Contemporary Trade Directory Entries Name: Travis Perkins Location: 8-14, Bardolph Road, Richmond, Surrey, TW9 2LH Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SW (N)	25	-	518882 175506
42	Contemporary Trade Directory Entries Name: Travis Perkins Plc Location: 8-10, Bardolph Road, Richmond, TW9 2LH Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A11SW (N)	26	-	518882 175508
43	Contemporary Trade Directory Entries Name: Foxprint Location: 16, Bardolph Road, Richmond, Surrey, TW9 2LH Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SW (N)	33	-	518922 175573
43	Contemporary Trade Directory Entries Name: M S George Location: 13, St. Georges Road, Richmond, Surrey, TW9 2LE Classification: Aerosols Status: Active Positional Accuracy: Automatically positioned to the address	A11SW (N)	33	-	518922 175573
43	Contemporary Trade Directory Entries Name: Td Tom Davies Ltd Location: 28, Bardolph Road, Richmond, Surrey, TW9 2LH Classification: Optical Goods - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SW (N)	33	-	518922 175573
44	Contemporary Trade Directory Entries Name: Fiberweb Plc Location: 1, Victoria Villas, Richmond, Surrey, TW9 2GW Classification: Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A6NE (W)	53	-	518791 175435

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<p>Contemporary Trade Directory Entries</p> <p>Name: James Bros Location: 1, Trinity Road, Richmond, Surrey, TW9 2LD Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10SE (N)	69	-	518863 175562
45	<p>Contemporary Trade Directory Entries</p> <p>Name: Cu-Ni-Crft Location: Trinity Rd, Richmond, Surrey, TW9 2LD Classification: Powder Coatings Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A10SE (N)	80	-	518848 175556
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Cleaners Richmond Location: Victoria Villas, Richmond, Surrey, TW9 2JX Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A10SE (NW)	107	-	518770 175492
46	<p>Contemporary Trade Directory Entries</p> <p>Name: The Original Poster Co Ltd Location: Victoria Villas, Richmond, Surrey, TW9 2JX Classification: Greeting Card Publishers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address</p>	A10SE (NW)	107	-	518770 175492
47	<p>Contemporary Trade Directory Entries</p> <p>Name: Coys Location: 237, Lower Mortlake Road, Richmond, Surrey, TW9 2LL Classification: Classic Car Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10SE (N)	130	-	518869 175656
48	<p>Contemporary Trade Directory Entries</p> <p>Name: Stable Motors Location: Richmond, TW9 2JJ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A6NE (W)	145	-	518655 175439
49	<p>Contemporary Trade Directory Entries</p> <p>Name: Allport Ltd Location: London House, 243-253, Lower Mortlake Road, Richmond, Surrey, TW9 2LS Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SW (N)	146	-	518918 175686
49	<p>Contemporary Trade Directory Entries</p> <p>Name: Grander Water Location: London House, 243-253, Lower Mortlake Road, Richmond, Surrey, TW9 2LL Classification: Water Softeners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SW (N)	146	-	518918 175686
49	<p>Contemporary Trade Directory Entries</p> <p>Name: B P Express Location: Lower Mortlake Road, Richmond, Surrey, TW9 2LL Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SW (N)	165	-	518962 175707
49	<p>Contemporary Trade Directory Entries</p> <p>Name: Network Connectors Ltd Location: Lower Mortlake Road, Richmond, Surrey, TW9 2LL Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SW (N)	165	-	518962 175707
49	<p>Contemporary Trade Directory Entries</p> <p>Name: Colin Ferns Ltd Location: Rear of 63-65, Raleigh Road, Richmond, TW9 2DU Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A11SW (N)	179	-	518966 175720
50	<p>Contemporary Trade Directory Entries</p> <p>Name: G T Garage Services Ltd Location: Rear Of, 63-65, Raleigh Road, Richmond, Surrey, TW9 2DU Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address</p>	A11SW (N)	165	-	518897 175702

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	Contemporary Trade Directory Entries Name: Kwik Fit Location: 48, Sheendale Road, Richmond, Surrey, TW9 2JJ Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A10SE (W)	172	-	518676 175497
51	Contemporary Trade Directory Entries Name: Hora'S Hardware Location: 203, Lower Mortlake Road, Richmond, Surrey, TW9 2LP Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SE (NW)	217	-	518664 175542
52	Contemporary Trade Directory Entries Name: Dantec Design Ltd Location: 96, Lower Mortlake Road, Richmond, Surrey, TW9 2JG Classification: Car Customizing Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SE (W)	176	-	518643 175473
52	Contemporary Trade Directory Entries Name: William Grant & Sons Location: 84, Lower Mortlake Road, Richmond, TW9 2HS Classification: Distilleries Status: Active Positional Accuracy: Automatically positioned to the address	A10SE (W)	203	-	518601 175463
52	Contemporary Trade Directory Entries Name: Distillers Ltd Location: 84, Lower Mortlake Road, Richmond, Surrey, TW9 2HS Classification: Distilleries Status: Inactive Positional Accuracy: Manually positioned to the address or location	A10SE (W)	203	-	518601 175463
53	Contemporary Trade Directory Entries Name: Gone Potty Location: 213, Lower Mortlake Road, Richmond, Surrey, TW9 2LN Classification: Pottery Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SE (NW)	202	-	518701 175558
53	Contemporary Trade Directory Entries Name: V I P Dry Cleaners Location: 211, Lower Mortlake Road, RICHMOND, Surrey, TW9 2LP Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A10SE (NW)	211	-	518683 175550
53	Contemporary Trade Directory Entries Name: Abate Graffiti Solutions Ltd Location: 211, Lower Mortlake Road, Richmond, Surrey, TW9 2LP Classification: Graffiti Removers Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SE (NW)	211	-	518683 175550
54	Contemporary Trade Directory Entries Name: Richmond Architectural Location: 22, Castlegate, Richmond, Surrey, TW9 2HJ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SE (NW)	210	-	518726 175607
55	Contemporary Trade Directory Entries Name: Afends Europe Ltd Location: The Bottle Factory Orchard rd, Richmond, Surrey, TW9 4AQ Classification: Clothing & Fabrics - Manufacturers Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A11SW (NE)	234	-	519176 175638
56	Contemporary Trade Directory Entries Name: Lance Owen (Richmond) Location: 1, North Road, Richmond, Surrey, TW9 4HA Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SW (NE)	237	-	519068 175749
56	Contemporary Trade Directory Entries Name: Now Vauxhall Location: Richmond, Surrey, Tw9 4ha Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned to the address or location	A11SW (NE)	237	-	519068 175749

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	<p>Contemporary Trade Directory Entries</p> <p>Name: Dairy Crest Ltd Location: Orchard Road, Richmond, Surrey, TW9 4NY Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SW (E)	238	-	519206 175552
58	<p>Contemporary Trade Directory Entries</p> <p>Name: Chiswick Fireplace Co Location: Corner Of Dancer Rd, Lower Richmond Rd, Richmond, Surrey, TW9 4LE Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A11SW (NE)	244	-	519136 175710
59	<p>Contemporary Trade Directory Entries</p> <p>Name: Q Pets Co Location: Unit 7, Sandycombe Centre 1-9, Sandycombe Road, Richmond, Surrey, TW9 2EP Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11NW (N)	253	-	519021 175785
59	<p>Contemporary Trade Directory Entries</p> <p>Name: Service Point (Uk) Location: Unit 7, Sandycombe Centre, 1-9, Sandycombe Road, Richmond, Surrey, TW9 2EP Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11NW (N)	253	-	519021 175785
59	<p>Contemporary Trade Directory Entries</p> <p>Name: Homecare Home Improvements Ltd Location: Unit 9, Sandycombe Centre, 1-9, Sandycombe Road, Richmond, Surrey, TW9 2EP Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11NW (N)	260	-	519024 175791
60	<p>Contemporary Trade Directory Entries</p> <p>Name: Natgraphics Location: Hydrex House, Garden Road, Richmond, Surrey, TW9 4NR Classification: Printing Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (NE)	283	-	519235 175624
60	<p>Contemporary Trade Directory Entries</p> <p>Name: Natgraphics Location: Hydrex House, Garden Road, Richmond, Surrey, TW9 4NR Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A11SE (NE)	283	-	519235 175624
61	<p>Contemporary Trade Directory Entries</p> <p>Name: Hammond Vivian Ltd Location: Power House, 27, Market Road, Richmond, Surrey, TW9 4LZ Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A11SE (NE)	291	-	519249 175607
61	<p>Contemporary Trade Directory Entries</p> <p>Name: G & W Auto Recovery Service Ltd Location: Unit 2, Market Road, Richmond, Surrey, TW9 4LZ Classification: Breakdown and Recovery Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A11SE (NE)	313	-	519264 175632
61	<p>Contemporary Trade Directory Entries</p> <p>Name: Richmond Service Centre Location: Unit 2, Market Road, Richmond, TW9 4LZ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A11SE (NE)	321	-	519281 175605
61	<p>Contemporary Trade Directory Entries</p> <p>Name: Woodfinish Location: 17, Market Road, Richmond, TW9 4LZ Classification: French Polishing Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (NE)	336	-	519295 175610

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62	Contemporary Trade Directory Entries Name: Shell Blackhorse Location: 174, Sheen Road, Richmond, Surrey, TW9 1XD Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A7SW (S)	323	-	518961 175063
62	Contemporary Trade Directory Entries Name: Rontee Location: 174, Sheen Road, Richmond, Surrey, TW9 1XD Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (S)	323	-	518961 175063
62	Contemporary Trade Directory Entries Name: Total Location: 174-176 Sheen Rd, Richmond, Surrey, TW9 1XD Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (S)	323	-	518961 175063
63	Contemporary Trade Directory Entries Name: A Dunn Location: 128, Sheen Road, Richmond, Surrey, TW9 1UR Classification: Antiques - Repairing & Restoring Status: Inactive Positional Accuracy: Manually positioned to an adjacent address or location	A6SE (SW)	325	-	518577 175091
63	Contemporary Trade Directory Entries Name: Cleaners Of Richmond Location: 120a, Sheen Road, Richmond, Surrey, TW9 1UR Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A6SE (SW)	344	-	518552 175086
63	Contemporary Trade Directory Entries Name: Quickprint Location: 114, Sheen Road, Richmond, Surrey, TW9 1UR Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A6SE (SW)	354	-	518537 175085
64	Contemporary Trade Directory Entries Name: Smarty Paints Location: 28, Sandycombe Road, Richmond, Surrey, TW9 2DY Classification: Ceramic Manufacturers, Supplies & Services Status: Active Positional Accuracy: Automatically positioned to the address	A11NW (N)	327	-	518991 175867
65	Contemporary Trade Directory Entries Name: Ats Euromaster Ltd Location: Kings Road, Richmond, Surrey, TW10 6EG Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A6SE (SW)	370	-	518624 175011
66	Contemporary Trade Directory Entries Name: Alpha Location: Maisonette First and Second Floor, 107, Sheen Road, Richmond, TW9 1YJ Classification: Rubbish Clearance Status: Inactive Positional Accuracy: Automatically positioned to the address	A6SE (SW)	375	-	518546 175050
67	Contemporary Trade Directory Entries Name: Smith Brothers Location: 63, Sandycombe Road, Richmond, Surrey, TW9 2EP Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A11NW (N)	392	-	519027 175927
67	Contemporary Trade Directory Entries Name: A S G Designs Location: 119-123, Sandycombe Road, Richmond, Surrey, TW9 2EP Classification: Stained Glass Designers & Producers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A11NW (N)	407	-	519034 175940
68	Contemporary Trade Directory Entries Name: Air & Sea Excess Luggage Worldwide Movers Ltd Location: 102-104, Sheen Road, Richmond, Surrey, TW9 1UF Classification: Boxes & Cartons Status: Inactive Positional Accuracy: Automatically positioned to the address	A6SW (SW)	397	-	518488 175072

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	<p>Contemporary Trade Directory Entries</p> <p>Name: Rapid Clear Location: 96, Sheen Road, Richmond, Surrey, TW9 1UF Classification: Rubbish Clearance Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A6SW (SW)	414	-	518472 175065
68	<p>Contemporary Trade Directory Entries</p> <p>Name: Spaceist Ltd Location: 85, Sheen Road, Richmond, Surrey, TW9 1YJ Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A6SW (SW)	428	-	518486 175032
68	<p>Contemporary Trade Directory Entries</p> <p>Name: Method Products Location: 85, Sheen Road, Richmond, Surrey, TW9 1YJ Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A6SW (SW)	428	-	518486 175032
69	<p>Contemporary Trade Directory Entries</p> <p>Name: Shell Location: 21-22, Popham Gardens, Lower Richmond Road, Richmond, Surrey, TW9 4LJ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (NE)	421	-	519332 175744
69	<p>Contemporary Trade Directory Entries</p> <p>Name: Braymarsh Cash Ltd Location: 21-22, Popham Gardens, Lower Richmond Road, Richmond, TW9 4LJ Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address</p>	A11SE (NE)	422	-	519332 175744
69	<p>Contemporary Trade Directory Entries</p> <p>Name: Petropolis Location: 21-22, Popham Gardens, Lower Richmond Road, Richmond, TW9 4LJ Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address</p>	A11SE (NE)	422	-	519332 175744
70	<p>Contemporary Trade Directory Entries</p> <p>Name: F & Team Cleaning Services Location: 26, Norfolk House, Courtlands, Sheen Road, Richmond, Surrey, TW10 5AT Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SW (S)	432	-	519047 174973
71	<p>Contemporary Trade Directory Entries</p> <p>Name: Clearance Unlimited Location: A, 47, Lower Mortlake Road, Richmond, Surrey, TW9 2LW Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A6NW (W)	433	-	518347 175432
72	<p>Contemporary Trade Directory Entries</p> <p>Name: Village Dry Cleaning Location: 94, Sheen Road, Richmond, Surrey, TW9 1UF Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address</p>	A6SW (SW)	434	-	518455 175055
72	<p>Contemporary Trade Directory Entries</p> <p>Name: Wingas Location: Burleigh House, 73, Sheen Road, Richmond, TW9 1YJ Classification: Gas Suppliers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A6SW (SW)	455	-	518454 175025
72	<p>Contemporary Trade Directory Entries</p> <p>Name: White Hart Location: 78, Sheen Road, Richmond, Surrey, TW9 1UF Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A6SW (SW)	480	-	518410 175035

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	Contemporary Trade Directory Entries Name: Simpson Drewett & Co Ltd Location: 70, Sheen Road, Richmond, Surrey, TW9 1UF Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A6SW (SW)	489	-	518386 175051
72	Contemporary Trade Directory Entries Name: Great Projects Location: 62, Sheen Road, Richmond, Surrey, TW9 1UF Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A6SW (SW)	520	-	518375 175016
73	Contemporary Trade Directory Entries Name: Kew Gardeners Location: 148, Kew Road, Richmond, Surrey, TW9 2AU Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SE (NW)	434	-	518554 175757
74	Contemporary Trade Directory Entries Name: Browns Window Cleaning Services Location: 19, Temple Road, Richmond, Surrey, TW9 2EB Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NW (N)	436	-	518904 175976
75	Contemporary Trade Directory Entries Name: William Mehornay Location: 17, Princes Road, Richmond, Surrey, TW10 6DQ Classification: China & Glassware Manufacturers & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A6SE (SW)	437	-	518552 174972
76	Contemporary Trade Directory Entries Name: Phillips Edwin London Ltd Location: 25, Bicester Road, Richmond, Surrey, TW9 4QL Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (E)	455	-	519413 175632
77	Contemporary Trade Directory Entries Name: Interiors Of Richmond Ltd Location: 98, Kew Road, Richmond, Surrey, TW9 2PQ Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SW (W)	455	-	518343 175502
77	Contemporary Trade Directory Entries Name: Surrey Cleaning Services Location: 98, Kew Road, Richmond, Surrey, TW9 2PQ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the address or location	A10SW (W)	455	-	518343 175502
77	Contemporary Trade Directory Entries Name: Pestroy Preservation (Richmond) Ltd Location: 92-94 Kew Rd, Richmond, Surrey, TW9 2PQ Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Manually positioned to the address or location	A10SW (W)	467	-	518324 175484
77	Contemporary Trade Directory Entries Name: Alex Location: 90, Kew Road, Richmond, Surrey, TW9 2PQ Classification: Dry Cleaners Status: Inactive Positional Accuracy: Manually positioned to the address or location	A10SW (W)	473	-	518316 175476
78	Contemporary Trade Directory Entries Name: Nations Petroleum Location: Worple Way, Richmond, Surrey, TW10 6AG Classification: Oil & Gas Exploration Supplies & Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A6SW (SW)	462	-	518463 175007
79	Contemporary Trade Directory Entries Name: Action Graphics Ltd Location: Dunstable Rd, Richmond, Surrey, TW9 1UH Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A6SW (SW)	465	-	518382 175098

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	Contemporary Trade Directory Entries Name: Pest Controllers Richmond Location: 309, Sheen Road, Richmond, Surrey, TW10 5AW Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SE)	467	-	519375 175162
81	Contemporary Trade Directory Entries Name: Renoir Location: 157, Kew Road, Richmond, Surrey, TW9 2PN Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SW (W)	481	-	518340 175565
82	Contemporary Trade Directory Entries Name: H Frederick & Co Ltd Location: 143-145, Kew Road, Richmond, Surrey, TW9 2PN Classification: Bathroom Fixtures - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SW (W)	513	-	518281 175499
82	Contemporary Trade Directory Entries Name: Hugo Austin Location: 129, Kew Road, Richmond, Surrey, TW9 2PN Classification: Antiques - Repairing & Restoring Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SW (W)	530	-	518254 175462
83	Contemporary Trade Directory Entries Name: Jomar Engineering Location: 119, Sandycombe Road, Richmond, Surrey, TW9 2ER Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NW (N)	523	-	519073 176051
83	Contemporary Trade Directory Entries Name: Acton Green Sash Services Location: 119-123 Sandycombe Road, Richmond, Surrey, TW9 2AD Classification: Windows - Sash Status: Active Positional Accuracy: Automatically positioned to the address	A11NW (N)	523	-	519073 176050
83	Contemporary Trade Directory Entries Name: Edison & Crapper Location: Old Station Works, 119-123, Sandycombe Road, Richmond, Surrey, TW9 2EP Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A11NW (N)	524	-	519073 176051
84	Contemporary Trade Directory Entries Name: Bushwood Books Ltd Location: 6, Marksbury Avenue, RICHMOND, Surrey, TW9 4JF Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (NE)	539	-	519357 175905
85	Contemporary Trade Directory Entries Name: Shell Richmond Location: 22-24 Lower Richmond Road, Richmond, Surrey, TW9 4LJ Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned within the geographical locality	A11NE (NE)	556	-	519462 175786
86	Contemporary Trade Directory Entries Name: W T S Tyre & Battery Service Location: 32-36, Kew Road, Richmond, Surrey, TW9 2NA Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A6NW (W)	558	-	518216 175331
87	Contemporary Trade Directory Entries Name: Flambeau Location: 111, Kew Road, Richmond, Surrey, TW9 2PN Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Manually positioned to the address or location	A6NW (W)	559	-	518218 175423

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	Contemporary Trade Directory Entries Name: London Borough Of Richmond Location: The Lodge, Kings Ride Gate, Richmond, TW10 5BJ Classification: Cemeteries & Crematoria Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SE)	580	-	519291 174917
89	Contemporary Trade Directory Entries Name: Ajacks Office Cleaning Co Location: 52, Lambert Avenue, Richmond, Surrey, TW9 4QU Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (E)	603	-	519562 175637
90	Contemporary Trade Directory Entries Name: Dunne & Dusted Location: Old Deer Park, Kew Road, Richmond, TW9 2AZ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A10SW (NW)	610	-	518319 175762
91	Contemporary Trade Directory Entries Name: Barilla UK Ltd Location: Rosedale House, 2a, Rosedale Road, Richmond, Surrey, TW9 2SZ Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9SE (W)	626	-	518161 175483
91	Contemporary Trade Directory Entries Name: Mijoy Co Ltd Location: Rosedale House, 2a, Rosedale Road, Richmond, Surrey, TW9 2SZ Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9SE (W)	626	-	518161 175483
92	Contemporary Trade Directory Entries Name: Zainali Ltd Ta Lucy White Location: Flat, 212, Sandycombe Road, Richmond, Surrey, TW9 2EQ Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (N)	647	-	519058 176180
92	Contemporary Trade Directory Entries Name: Lucy White Dry Cleaners Location: 212, Sandycombe Road, Richmond, TW9 2EQ Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A15SW (N)	647	-	519058 176180
92	Contemporary Trade Directory Entries Name: Montien Spice Co Ltd Location: 214b, Sandycombe Road, Richmond, Surrey, TW9 2EQ Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A15SW (N)	661	-	519062 176193
92	Contemporary Trade Directory Entries Name: Q Laminations Ltd Location: 230, Sandycombe Road, Richmond, Surrey, TW9 2EQ Classification: Lamination & Encapsulation Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (N)	700	-	519069 176232
93	Contemporary Trade Directory Entries Name: Call Print Ltd Location: 61, Kew Road, Richmond, Surrey, TW9 2NQ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A5NE (W)	650	-	518125 175314
93	Contemporary Trade Directory Entries Name: Pepsico International Ltd Location: 63, Kew Road, Richmond, Surrey, TW9 2QL Classification: Soft Drinks - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A5NE (W)	661	-	518112 175339
94	Contemporary Trade Directory Entries Name: Richmond Royal Hospital Location: Kew Foot Road, Richmond, Surrey, TW9 2TE Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A9SE (W)	653	-	518154 175563

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	Contemporary Trade Directory Entries Name: Consilient Health Location: Thames Link House, 1, Church Road, RICHMOND, Surrey, TW9 2QE Classification: Chemists' & Pharmacists' Suppliers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A5NE (W)	665	-	518117 175251
96	Contemporary Trade Directory Entries Name: A E S Electric Ltd Location: 37-39, Kew Foot Road, Richmond, Surrey, TW9 2SS Classification: Electricity Generating & Distributing Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (W)	675	-	518111 175489
96	Contemporary Trade Directory Entries Name: Your Energy Location: 37-39, Kew Foot Road, Richmond, Surrey, TW9 2SS Classification: Windmills & Wind Power Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (W)	675	-	518111 175489
96	Contemporary Trade Directory Entries Name: Bandai Location: 37-39 Kew Foot Road, Richmond, Surrey, TW9 2SS Classification: Toys, Games & Sporting Goods - Manufacturers Status: Active Positional Accuracy: Manually positioned to the address or location	A9SE (W)	686	-	518101 175496
97	Contemporary Trade Directory Entries Name: The Eauzone Location: Westminster House, Kew Rd, Richmond, Surrey, TW9 2ND Classification: Toiletries Status: Inactive Positional Accuracy: Manually positioned to the address or location	A5NE (W)	707	-	518078 175225
97	Contemporary Trade Directory Entries Name: Ducane Dry Cleaners Location: 2 Westminster House, Kew Road, Richmond, TW9 2ND Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A5NE (W)	717	-	518070 175211
97	Contemporary Trade Directory Entries Name: Ducane Dry Cleaners Location: 2, Westminster House, Kew Road, Richmond, Surrey, TW9 2ND Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A5NE (W)	718	-	518069 175213
97	Contemporary Trade Directory Entries Name: Du Cane Location: 2, Westminster House, Kew Road, Richmond, Surrey, TW9 2ND Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A5NE (W)	718	-	518069 175213
97	Contemporary Trade Directory Entries Name: Robert Dyas Ltd Location: 27b, The Quadrant, Richmond, Surrey, TW9 1DN Classification: Hardware Status: Inactive Positional Accuracy: Manually positioned to the address or location	A5NE (W)	723	-	518072 175174
97	Contemporary Trade Directory Entries Name: Commuterclean Location: Richmond Railway Station, Kew Road, Richmond, Surrey, TW9 2NA Classification: Dry Cleaners Status: Inactive Positional Accuracy: Manually positioned to the address or location	A5NE (W)	723	-	518072 175174
97	Contemporary Trade Directory Entries Name: Foehn Ltd Location: Marcar House, Parkshot, Richmond, Surrey, TW9 2RG Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A5NE (W)	748	-	518033 175246
97	Contemporary Trade Directory Entries Name: Marcar Steel & Engineering Ltd Location: Marcar House, Parkshot, Richmond, Surrey, TW9 2RG Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the address or location	A5NE (W)	748	-	518033 175246

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	<p>Contemporary Trade Directory Entries</p> <p>Name: Cardooo Location: Unit 313, Parkshot House, 5, Kew Road, Richmond, TW9 2PR Classification: Greeting Card Publishers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A5NE (W)	763	-	518022 175219
98	<p>Contemporary Trade Directory Entries</p> <p>Name: The Hanway Press Ltd Location: 67, Marksbury Avenue, Richmond, Surrey, TW9 4JE Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A15SE (NE)	712	-	519345 176138
99	<p>Contemporary Trade Directory Entries</p> <p>Name: Rainbow Creations Ltd Location: 234, Sandycombe Road, Richmond, Surrey, TW9 2EQ Classification: Soft Furnishings - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A15SW (N)	726	-	519073 176257
99	<p>Contemporary Trade Directory Entries</p> <p>Name: Tidman Mail Order Ltd Location: 236, Sandycombe Road, Richmond, TW9 2EQ Classification: Electronic Component Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address</p>	A15SW (N)	733	-	519074 176264
99	<p>Contemporary Trade Directory Entries</p> <p>Name: Playtime Duplication Location: 236a-236b, Sandycombe Road, Richmond, TW9 2EQ Classification: Copying & Duplicating Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A15SW (N)	733	-	519076 176264
99	<p>Contemporary Trade Directory Entries</p> <p>Name: Mastercar Ltd Location: Rear of 240, Sandycombe Road, Richmond, TW9 2EQ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A15SW (N)	741	-	519062 176274
99	<p>Contemporary Trade Directory Entries</p> <p>Name: Mark Stephens Location: 245, Sandycombe Road, Richmond, Surrey, TW9 2EW Classification: Cabinet Makers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A15SW (N)	771	-	519105 176298
100	<p>Contemporary Trade Directory Entries</p> <p>Name: North Sheen Carpet Cleaners Location: 12, Alexandra Road, Richmond, Surrey, TW9 2BS Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A15SW (N)	729	-	519024 176268
101	<p>Contemporary Trade Directory Entries</p> <p>Name: All Timber Infestation & Consultancy Services Ltd Location: Gainsborough House, 2 Sheen Road, Richmond, Surrey, TW9 1AE Classification: Damp & Dry Rot Control Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A5SE (SW)	731	-	518096 175076
102	<p>Contemporary Trade Directory Entries</p> <p>Name: Bettaprint Ltd Location: 9, Lichfield Terrace, Sheen Road, Richmond, Surrey, TW9 1AS Classification: Copying & Duplicating Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A5SE (SW)	734	-	518152 174957
102	<p>Contemporary Trade Directory Entries</p> <p>Name: Devi Khakhria Designs Location: 9, Lichfield Terrace, Sheen Road, Richmond, Surrey, TW9 1AS Classification: Stained Glass Designers & Producers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A5SE (SW)	734	-	518152 174957
102	<p>Contemporary Trade Directory Entries</p> <p>Name: American Dry Cleaning Location: 4, Lichfield Terrace, Sheen Road, Richmond, Surrey, TW9 1AS Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address</p>	A5SE (SW)	762	-	518116 174964

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	Contemporary Trade Directory Entries Name: B P Connect Location: Richmond, Surrey, Tw9 4ll Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NW (NE)	735	-	519630 175851
104	Contemporary Trade Directory Entries Name: East Sheen Service Station Location: 567, Upper Richmond Road West, London, SW14 7ED Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (E)	747	-	519715 175311
104	Contemporary Trade Directory Entries Name: Texaco Location: 567, Upper Richmond Road West, London, SW14 7ED Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (E)	747	-	519715 175311
104	Contemporary Trade Directory Entries Name: Star Service Stations Location: 567, Upper Richmond Road West, London, SW14 7ED Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (E)	748	-	519716 175312
105	Contemporary Trade Directory Entries Name: Rubbish Lads Ltd Location: 100, Church Road, Richmond, Surrey, TW10 6LW Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A2NW (SW)	771	-	518491 174631
106	Contemporary Trade Directory Entries Name: Elite Textile Care Location: 21, Kew Road, Richmond, TW9 2NQ Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A5NE (W)	775	-	518008 175229
106	Contemporary Trade Directory Entries Name: Selclene Location: 5, Kew Road, Richmond, Surrey, TW9 2PR Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A5NE (W)	775	-	518008 175229
106	Contemporary Trade Directory Entries Name: Realtime Location: 5, Kew Road, Richmond, TW9 2PR Classification: Computer Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A5NE (W)	775	-	518008 175229
106	Contemporary Trade Directory Entries Name: Hotch Potch Location: 5, Kew Road, Richmond, Surrey, TW9 2PR Classification: Greeting Card Publishers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A5NE (W)	775	-	518008 175229
106	Contemporary Trade Directory Entries Name: European Network Management Location: 5, Kew Road, Richmond, Surrey, TW9 2PR Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Manually positioned to the address or location	A5NE (W)	775	-	518008 175229
106	Contemporary Trade Directory Entries Name: 24 Hr Pest Control Location: 5, Kew Road, Richmond, Surrey, TW9 2PR Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Manually positioned to the address or location	A5NE (W)	775	-	518008 175229
107	Contemporary Trade Directory Entries Name: Westlake Garages Ltd Location: 193-195, Lower Richmond Road, Richmond, Surrey, TW9 4LN Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (NE)	789	-	519703 175817

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	Contemporary Trade Directory Entries Name: Richmond Motors Location: 193-195, Lower Richmond Road, Richmond, Surrey, TW9 4LN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (NE)	789	-	519703 175817
108	Contemporary Trade Directory Entries Name: Klopman International Location: 34, The Quadrant, Richmond, Surrey, TW9 1DN Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	806	-	518017 175071
108	Contemporary Trade Directory Entries Name: Cleaning Services Richmond Location: 23, The Quadrant, Richmond, Surrey, TW9 1BP Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (W)	823	-	517988 175104
108	Contemporary Trade Directory Entries Name: Snappy Snaps Location: 40, The Quadrant, Richmond, Surrey, TW9 1DN Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	830	-	518004 175039
108	Contemporary Trade Directory Entries Name: Coors Brewing International Ltd Location: 22, The Quadrant, Richmond, Surrey, TW9 1BP Classification: Brewers Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (W)	835	-	517980 175089
109	Contemporary Trade Directory Entries Name: Newport Industries Location: Spencer House, 23, Sheen Road, Richmond, Surrey, TW9 1BN Classification: Chemicals - Distributors & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A5SE (SW)	819	-	518079 174915
109	Contemporary Trade Directory Entries Name: Montblanc UK Location: 1, Towers Place, Richmond, TW9 1EG Classification: Stationery Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A5SE (SW)	847	-	518066 174883
109	Contemporary Trade Directory Entries Name: Kall Kwik Location: 12B Eton Street, Richmond, Surrey, TW9 1EE Classification: Printers Status: Active Positional Accuracy: Manually positioned to the address or location	A5SE (SW)	848	-	518053 174902
109	Contemporary Trade Directory Entries Name: The Clean Machine Location: 18, Eton Street, Richmond, Surrey, TW9 1EE Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	866	-	518045 174882
109	Contemporary Trade Directory Entries Name: Fast Stitch Location: First Floor Flat, 18, Eton Street, Richmond, TW9 1EE Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A5SE (SW)	867	-	518044 174881
110	Contemporary Trade Directory Entries Name: Atics Location: Gainsborough House, 2, Sheen Road, Richmond, TW9 1AE Classification: Damp & Dry Rot Control Status: Active Positional Accuracy: Automatically positioned to the address	A5SE (SW)	825	-	518038 174976
111	Contemporary Trade Directory Entries Name: Vectra Ltd Location: Process House, 36, Paradise Road, Richmond, TW9 1SE Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	834	-	518094 174865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	Contemporary Trade Directory Entries Name: Webuyanycar.Com Location: 179-181, Lower Richmond Road, Richmond, Surrey, TW9 4LN Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (NE)	842	-	519758 175823
112	Contemporary Trade Directory Entries Name: We Buy Any Car Richmond Location: 179-181, Lower Richmond Road, Richmond, Surrey, TW9 4LN Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (NE)	842	-	519758 175823
112	Contemporary Trade Directory Entries Name: Tantra Media Location: Diamond House, 179, Lower Richmond Road, Richmond, Surrey, TW9 4LN Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (NE)	842	-	519758 175823
112	Contemporary Trade Directory Entries Name: Nespac Location: Diamond House, 179, Lower Richmond Road, Richmond, Surrey, TW9 4LN Classification: Engineering Machine Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (NE)	842	-	519758 175823
112	Contemporary Trade Directory Entries Name: Hi-Tech Technologies Location: Flat 1, 179, Lower Richmond Road, Richmond, Surrey, TW9 4LN Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (NE)	842	-	519758 175823
112	Contemporary Trade Directory Entries Name: Mj Studio & M & M Restoration Location: 179-181 Lower Richmond Rd, Richmond, Surrey, TW9 4LN Classification: Antiques - Repairing & Restoring Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NW (NE)	842	-	519758 175823
113	Contemporary Trade Directory Entries Name: London Motor Co Location: 267, Sandycombe Road, Richmond, Surrey, TW9 3LU Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A15SW (N)	856	-	519118 176382
113	Contemporary Trade Directory Entries Name: L M C Location: 267, Sandycombe Road, Richmond, Surrey, TW9 3LU Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the address or location	A15SW (N)	856	-	519118 176382
113	Contemporary Trade Directory Entries Name: London Cars Direct Location: 267, Sandycombe Road, Richmond, Surrey, TW9 3LU Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (N)	856	-	519118 176382
113	Contemporary Trade Directory Entries Name: Kew Village Cars Location: 267, Sandycombe Road, Richmond, Surrey, TW9 3LU Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (N)	856	-	519118 176382
113	Contemporary Trade Directory Entries Name: Proud Industrial Ltd Location: 277, Sandycombe Road, Richmond, Surrey, TW9 3LU Classification: Graffiti Removers Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (N)	902	-	519109 176430
114	Contemporary Trade Directory Entries Name: Pro Cleaners Richmond Location: 13, Quadrant Road, Richmond, Surrey, TW9 1DH Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	859	-	517971 175042

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	Contemporary Trade Directory Entries Name: Wastedge Ltd Location: Cobden House, Park Lane, Richmond, Surrey, TW9 2RA Classification: Computer Recycling & Disposal Status: Inactive Positional Accuracy: Automatically positioned to the address	A5NE (W)	860	-	517932 175171
116	Contemporary Trade Directory Entries Name: Plastered Location: 115, Church Road, Richmond, TW10 6LS Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A2NW (SW)	865	-	518462 174542
117	Contemporary Trade Directory Entries Name: Mapharm Ltd Location: 424, Upper Richmond Road West, London, SW14 7JX Classification: Pharmaceutical Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (E)	870	-	519843 175358
117	Contemporary Trade Directory Entries Name: Sportscraft Location: 424, Upper Richmond Road West, London, SW14 7JX Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (E)	870	-	519843 175358
117	Contemporary Trade Directory Entries Name: Sportscraft Location: 424, Upper Richmond Road West, London, SW14 7JX Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (E)	870	-	519843 175358
117	Contemporary Trade Directory Entries Name: Sportscraft Location: 424, Upper Richmond Road West, London, SW14 7JX Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (E)	870	-	519843 175358
117	Contemporary Trade Directory Entries Name: Richmond Auto Centre Location: 424a, Upper Richmond Road West, London, SW14 7JX Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (E)	870	-	519842 175358
117	Contemporary Trade Directory Entries Name: Richmond & Sheen Green Plumbing & Heating Co Location: 422, Upper Richmond Road West, London, SW14 7JX Classification: Heating Services - Industrial and Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (E)	876	-	519849 175358
117	Contemporary Trade Directory Entries Name: Techno Heat Location: 420, Upper Richmond Road West, London, SW14 7JX Classification: Heating Services - Industrial and Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (E)	884	-	519857 175357
117	Contemporary Trade Directory Entries Name: Classic Lights Location: 420, Upper Richmond Road West, London, SW14 7JX Classification: Lampshade Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (E)	884	-	519857 175357
117	Contemporary Trade Directory Entries Name: Richmond Road Automobiles Location: 418, Upper Richmond Road West, London, SW14 7JX Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (E)	890	-	519863 175358
117	Contemporary Trade Directory Entries Name: Bathstore Location: 410 Upper Richmond Rd West, London, SW14 7JX Classification: Bathroom Fixtures - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8NW (E)	911	-	519884 175358

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	Contemporary Trade Directory Entries Name: G A L Car Repairs Location: Rear Of, 129, Kingsway, London, SW14 7HN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (E)	884	-	519841 175676
118	Contemporary Trade Directory Entries Name: Auto Diagnostic Centre Location: Rear Of, 129, Kingsway, London, SW14 7HN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (E)	884	-	519841 175676
118	Contemporary Trade Directory Entries Name: Alfa Craft Location: 129, Kingsway, London, SW14 7HN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (E)	884	-	519841 175676
118	Contemporary Trade Directory Entries Name: Daley Motors Location: Rear Of, 129, Kingsway, London, SW14 7HN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (E)	929	-	519886 175680
119	Contemporary Trade Directory Entries Name: F & S Cleaning Services Location: 15, Deanhill Court, Upper Richmond Road West, London, SW14 7DJ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (E)	890	-	519846 175225
120	Contemporary Trade Directory Entries Name: Fracture Technologies Ltd Location: 5, Queens Rise, Richmond, Surrey, TW10 6HL Classification: Oil & Gas Extraction Status: Active Positional Accuracy: Automatically positioned to the address	A2NE (S)	892	-	518727 174457
121	Contemporary Trade Directory Entries Name: Supasnaps Location: 5, Lower George Street, Richmond, Surrey, TW9 1HU Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	901	-	517982 174919
121	Contemporary Trade Directory Entries Name: Sketchley Retail Ltd Location: 5, Lower George Street, Richmond, Surrey, TW9 1HU Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	901	-	517982 174919
122	Contemporary Trade Directory Entries Name: Richmond Cleaners Location: 2, Quadrant Road, Richmond, Surrey, TW9 1DH Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	907	-	517946 174979
122	Contemporary Trade Directory Entries Name: Richmond Cleaners Location: 2, Quadrant Road, Richmond, Surrey, TW9 1DH Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	907	-	517946 174979
122	Contemporary Trade Directory Entries Name: The Richmond Man And Van Location: 3, Duke Street, Richmond, Surrey, TW9 1HP Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	946	-	517903 174978
123	Contemporary Trade Directory Entries Name: Weather Vain Location: 283, Sandycombe Road, Richmond, Surrey, TW9 3LU Classification: Waterproof Clothing & Rainwear Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (N)	919	-	519108 176447

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	Contemporary Trade Directory Entries Name: Royal Dry Cleaners Location: 297, Sandycombe Road, Richmond, Surrey, TW9 3LU Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A15NW (N)	962	-	519106 176492
124	Contemporary Trade Directory Entries Name: Reheat Location: 29, Greville Road, Richmond, Surrey, TW10 6HR Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A3SW (S)	960	-	518904 174397
125	Contemporary Trade Directory Entries Name: Jack Wills Location: 6, Church Court, Richmond, Surrey, TW9 1JL Classification: Leisure & Sportswear Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	989	-	517905 174877
125	Contemporary Trade Directory Entries Name: Currys Location: 51-52, George Street, Richmond, Surrey, TW9 1HJ Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A5SE (SW)	997	-	517875 174916
126	Contemporary Trade Directory Entries Name: Azo Print Ltd Location: 44, Kingsway, London, SW14 7HW Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (E)	992	-	519942 175720
127	Fuel Station Entries Name: Beacon Filling Station Location: Lower Mortlake Road, Sandycombe Road, Richmond, Surrey, TW9 2LL Brand: BP Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A11SW (N)	165	-	518961 175707
128	Fuel Station Entries Name: Sainsburys Richmond Location: Manor Road, Richmond, Surrey, TW9 1YB Brand: Sainsburys Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A11SW (NE)	208	-	519120 175674
129	Fuel Station Entries Name: Shell Blackhorse Location: 174, Sheen Road, Richmond, Surrey, TW9 1XD Brand: Shell Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A7SW (S)	323	-	518961 175063
130	Fuel Station Entries Name: Richmond Motor Centre Location: 293 Lower Richmond Road, Manor Gardens, North Sheen, RICHMOND, Surrey, TW9 4LU Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A11SE (NE)	365	-	519298 175687
131	Fuel Station Entries Name: Shell Richmond Location: 22-24 Lower Richmond Road, Niton Road, Richmond, Surrey, TW9 4LJ Brand: Shell Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A11SE (NE)	421	-	519332 175744
132	Fuel Station Entries Name: Empire Filling Station Location: 2-4 Lower Mortlake Road, RICHMOND, Surrey, TW9 2JA Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Located by supplier to within 100m	A6NW (W)	568	-	518208 175297

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	Fuel Station Entries Name: East Sheen Service Station Location: 567, Upper Richmond Road West, London, SW14 7ED Brand: TEXACO Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A8NW (E)	748	-	519716 175312
134	Fuel Station Entries Name: Prospect Filling Station Location: 205 Lower Richmond Road, North Sheen, RICHMOND, Surrey, TW9 4LN Brand: Total Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A12NW (NE)	761	-	519675 175811
135	Points of Interest - Commercial Services Name: Laxton Rice Transport Location: Argyle House, Dee Road, Richmond, TW9 2JN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A6NE (SW)	32	7	518742 175361
136	Points of Interest - Commercial Services Name: Coys Location: 237 Lower Mortlake Road, Richmond, TW9 2LL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A10SE (N)	130	7	518869 175656
136	Points of Interest - Commercial Services Name: Allport Ltd Location: London House 243-253, Lower Mortlake Road, Richmond, TW9 2LS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A11SW (N)	146	7	518918 175686
137	Points of Interest - Commercial Services Name: Stable Motors Location: 6 Sheendale Road, Richmond, TW9 2JJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A6NE (W)	141	7	518662 175442
137	Points of Interest - Commercial Services Name: Stable Motors Location: 5 Sheendale Road, Richmond, TW9 2JJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A6NE (W)	141	7	518662 175442
137	Points of Interest - Commercial Services Name: Kwik-Fit (GB) Limited Location: 48 Sheendale Road, Richmond, TW9 2JJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A10SE (W)	172	7	518676 175497
137	Points of Interest - Commercial Services Name: Kwik-Fit (GB) Limited Location: 48 Sheendale Road, Richmond, TW9 2JJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A10SE (W)	172	7	518675 175496
138	Points of Interest - Commercial Services Name: Colin Ferns Ltd Location: Rear of 63-65, Raleigh Road, Richmond, TW9 2DU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11SW (N)	182	7	518972 175723
138	Points of Interest - Commercial Services Name: Colin Ferns Ltd Location: 65 Raleigh Road, Richmond, TW9 2DU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11SW (N)	189	7	518942 175732

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
139	Points of Interest - Commercial Services Name: Richmond Service Centre Location: Unit 2, Market Road, Richmond, TW9 4LZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11SE (NE)	289	7	519252 175589
139	Points of Interest - Commercial Services Name: Richmond Service Centre Location: Unit 2, Market Road, Richmond, TW9 4LZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11SE (NE)	290	7	519253 175589
139	Points of Interest - Commercial Services Name: Bushwood Books Ltd Location: 17 Market Road, Richmond, TW9 4LZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A11SE (NE)	336	7	519296 175609
140	Points of Interest - Commercial Services Name: Smith Bros Location: 63 Sandycombe Road, Richmond, TW9 2EP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11NW (N)	392	7	519027 175927
140	Points of Interest - Commercial Services Name: Smith Brothers Location: 63 Sandycombe Road, Richmond, TW9 2EP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11NW (N)	392	7	519026 175926
141	Points of Interest - Commercial Services Name: Shell Richmond Location: 22-24 Lower Richmond Road, Niton Road, Richmond, TW9 4LJ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A11SE (NE)	420	7	519331 175743
141	Points of Interest - Commercial Services Name: Car Wash Location: 22-24 Lower Richmond Road, Niton Road, Richmond, Surrey, TW9 4LJ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A11SE (NE)	421	7	519332 175744
142	Points of Interest - Commercial Services Name: Hand Car Wash Location: 47a Lower Mortlake Road, Richmond, TW9 2LW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A6NW (W)	433	7	518347 175431
143	Points of Interest - Commercial Services Name: Jomar Engineering Location: 119 Sandycombe Road, Richmond, TW9 2ER Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A11NW (N)	523	7	519073 176051
143	Points of Interest - Commercial Services Name: Jomar Engineering Location: Old Station Works 119-123, Sandycombe Road, Richmond, TW9 2EP Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A11NW (N)	523	7	519073 176051
144	Points of Interest - Commercial Services Name: Bushwood Books Ltd Location: 6 Marksbury Avenue, Richmond, TW9 4JF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A11NE (NE)	538	7	519356 175905
145	Points of Interest - Commercial Services Name: Mastercar Ltd Location: Rear of 240, Sandycombe Road, Richmond, TW9 2EQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A15SW (N)	745	7	519077 176276

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	Points of Interest - Commercial Services Name: Master Car Ltd Location: Flat 240, Sandycombe Road, Richmond, TW9 2EQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A15SW (N)	746	7	519077 176277
146	Points of Interest - Commercial Services Name: Alfa Craft Location: 193-195 Lower Richmond Road, Richmond, TW9 4LN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (NE)	789	7	519703 175817
147	Points of Interest - Commercial Services Name: Alfa Craft Location: Rear Of 129, Kingsway, London, SW14 7HN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (E)	829	7	519790 175642
147	Points of Interest - Commercial Services Name: Auto Diagnostic Centre Location: 129 Kingsway, London, SW14 7HN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (E)	883	7	519840 175675
147	Points of Interest - Commercial Services Name: Gal Car Repairs Location: Rear Of 129, Kingsway, London, SW14 7HN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (E)	884	7	519841 175676
147	Points of Interest - Commercial Services Name: Alfa Craft Location: 129 Kingsway, London, SW14 7HN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (E)	884	7	519841 175676
147	Points of Interest - Commercial Services Name: Auto Diagnostic Centre Location: Rear Of 129, Kingsway, London, SW14 7HN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (E)	884	7	519841 175676
147	Points of Interest - Commercial Services Name: G A L Car Repairs Location: Rear of 129, Kingsway, London, SW14 7HN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (E)	884	7	519841 175676
148	Points of Interest - Commercial Services Name: Richmond Valeting Centre Location: 424a Upper Richmond Road West, London, SW14 7JX Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NW (E)	869	7	519842 175358
149	Points of Interest - Commercial Services Name: Thameside Shipping Location: 69 Onslow Road, Richmond, TW10 6QA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A1NE (SW)	996	7	518179 174550
150	Points of Interest - Manufacturing and Production Name: Burgess Properties Location: Aaron House 6, Bardolph Road, Richmond, TW9 2LH Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A10SE (NW)	21	7	518861 175468
150	Points of Interest - Manufacturing and Production Name: Aaron House Location: 2-6 Bardolph Road, Richmond, TW9 2LH Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A10SE (NW)	21	7	518861 175468

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	Points of Interest - Manufacturing and Production Name: Works Location: TW9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A6NE (W)	26	7	518831 175438
150	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A6NE (W)	27	7	518828 175437
150	Points of Interest - Manufacturing and Production Name: Tank Location: TW9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A10SE (W)	42	7	518821 175451
151	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A11SW (N)	28	7	518912 175562
152	Points of Interest - Manufacturing and Production Name: Richmond International Business Centre Location: TW9 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A6NE (SW)	31	7	518751 175377
152	Points of Interest - Manufacturing and Production Name: Argyle House Location: 1 Dee Road, Richmond, TW9 2JN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A6NE (SW)	32	7	518742 175361
152	Points of Interest - Manufacturing and Production Name: Property Solutions Ltd Location: 1 Dee Road, Richmond, TW9 2JN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A6NE (SW)	32	7	518742 175361
152	Points of Interest - Manufacturing and Production Name: A-Z 1st Freeofficefinder.Com Location: Argyle House, Dee Road, Richmond, TW9 2JN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A6NE (SW)	32	7	518742 175361
152	Points of Interest - Manufacturing and Production Name: MIs Business Centres Location: 1 Dee Road, Richmond, TW9 2JN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A6NE (SW)	32	7	518742 175361
152	Points of Interest - Manufacturing and Production Name: Richmond International Business Centre Location: 1 Dee Road, Richmond, TW9 2JN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A6NE (SW)	32	7	518742 175361
152	Points of Interest - Manufacturing and Production Name: Serviced Offices Management Location: 1 Dee Road, Richmond, TW9 2JN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A6NE (SW)	32	7	518742 175361
153	Points of Interest - Manufacturing and Production Name: Burgess Properties Location: 19-22 Victoria Villas, Richmond, TW9 2JX Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A10SE (NW)	107	7	518769 175491

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	Points of Interest - Manufacturing and Production Name: Cliveden Business Centre Location: Cliveden House, 19-22 Victoria Villas, Richmond, Surrey, TW9 2JX Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A10SE (NW)	108	7	518769 175492
154	Points of Interest - Manufacturing and Production Name: Works Location: TW9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A11SW (N)	140	7	518915 175680
154	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A11SW (N)	142	7	518918 175682
155	Points of Interest - Manufacturing and Production Name: Factory Location: TW9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A11SE (NE)	253	7	519211 175603
155	Points of Interest - Manufacturing and Production Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A11SE (NE)	257	7	519215 175603
156	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A11SE (NE)	281	7	519234 175621
156	Points of Interest - Manufacturing and Production Name: Tank Location: TW9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SE (NE)	351	7	519293 175663
157	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A6SW (SW)	489	7	518389 175047
158	Points of Interest - Manufacturing and Production Name: Works Location: TW9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A11NW (N)	532	7	519070 176060
158	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A11NW (N)	533	7	519073 176061
159	Points of Interest - Manufacturing and Production Name: Rosedale House Ltd Location: Rosedale House 2a, Rosedale Road, Richmond, TW9 2SZ Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A9SE (W)	626	7	518161 175483
159	Points of Interest - Manufacturing and Production Name: Rosedale House Ltd Location: Rosedale House 2a, Rosedale Road, Richmond, TW9 2SZ Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A9SE (W)	626	7	518161 175483

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	Points of Interest - Manufacturing and Production Name: A E S Wind Generation Location: 37-39 Kew Foot Road, Richmond, TW9 2SS Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A9SE (W)	675	7	518111 175489
160	Points of Interest - Manufacturing and Production Name: Works Location: TW9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A6SW (SW)	651	7	518283 174920
160	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A6SW (SW)	652	7	518283 174919
161	Points of Interest - Manufacturing and Production Name: A-Z 1st Freeofficefinder.Com Location: 2 Sheen Rd, Richmond Upon Thames, Richmond, Surrey, TW10 5AW Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A5SE (SW)	770	7	518104 174968
161	Points of Interest - Manufacturing and Production Name: Regus Location: Gainsborough House 2, Sheen Road, Richmond, TW9 1AE Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A5SE (SW)	830	7	518037 174966
161	Points of Interest - Manufacturing and Production Name: Regus Location: Gainsborough House 2, Sheen Road, Richmond, TW9 1AE Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A5SE (SW)	830	7	518037 174966
161	Points of Interest - Manufacturing and Production Name: Regus Plc Location: Gainsborough House 2, Sheen Road, Richmond, TW9 1AE Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A5SE (SW)	830	7	518037 174966
162	Points of Interest - Manufacturing and Production Name: Mwb Business Exchange Location: 5 Kew Road, Richmond, TW9 2PR Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A5NE (W)	775	7	518008 175229
162	Points of Interest - Manufacturing and Production Name: M W B Business Exchange Location: 5 Kew Road, Richmond, TW9 2PR Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A5NE (W)	775	7	518008 175229
163	Points of Interest - Manufacturing and Production Name: Caesarstone Location: Clifford House 424, Upper Richmond Road West, London, SW14 7JX Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A8NW (E)	870	7	519843 175358
163	Points of Interest - Manufacturing and Production Name: Caesarstone Marble Specialists Location: 424 Upper Richmond Road West, London, SW14 7JX Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A8NW (E)	870	7	519842 175358
164	Points of Interest - Manufacturing and Production Name: Tank Location: TW10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A3NW (S)	874	7	518913 174486

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	Points of Interest - Manufacturing and Production Name: Fracture Technologies Ltd Location: 5 Queens Rise, Richmond, TW10 6HL Category: Extractive Industries Class Code: Oil and Gas Extraction, Refinery and Product Manufacture Positional Accuracy: Positioned to address or location	A2NE (S)	893	7	518726 174457
166	Points of Interest - Manufacturing and Production Name: Works Location: TW10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A2NW (SW)	927	7	518214 174610
166	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A2NW (SW)	928	7	518214 174608
167	Points of Interest - Manufacturing and Production Name: Works Location: TW9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15NW (N)	950	7	519126 176476
167	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15NW (N)	952	7	519130 176477
168	Points of Interest - Public Infrastructure Name: North Sheen Rail Station Location: Manor Grove, TW9 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A7NW (E)	152	7	519122 175434
168	Points of Interest - Public Infrastructure Name: North Sheen Station Location: Manor Grove, TW9 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A7NW (E)	152	7	519122 175434
169	Points of Interest - Public Infrastructure Name: BP Express Location: Lower Mortlake Road, Richmond, TW9 2LL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A11SW (N)	164	7	518961 175706
169	Points of Interest - Public Infrastructure Name: Beacon Filling Station Location: Lower Mortlake Road, Richmond, TW9 2LL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A11SW (N)	165	7	518962 175707
169	Points of Interest - Public Infrastructure Name: BP Service Station Location: Lower Mortlake Road, Richmond, TW9 2LL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A11SW (N)	165	7	518962 175707
169	Points of Interest - Public Infrastructure Name: Beacon Filling Station Location: Lower Mortlake Road, Sandycombe Road, Richmond, TW9 2LL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A11SW (N)	165	7	518961 175707
169	Points of Interest - Public Infrastructure Name: BP Express Location: Lower Mortlake Road, Richmond, TW9 2LL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A11SW (N)	169	7	518973 175709

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	Points of Interest - Public Infrastructure Name: Sainsbury's Richmond Location: Manor Road, Richmond, TW9 1YB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A11SW (NE)	208	7	519120 175674
171	Points of Interest - Public Infrastructure Name: Richmond (London) Fire Station Location: Richmond Fire Station 323, Lower Richmond Road, Richmond, TW9 4PN Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A11SE (NE)	309	7	519243 175673
172	Points of Interest - Public Infrastructure Name: Tcs Blackhorse Location: 174 Sheen Road, Richmond, TW9 1XD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SW (S)	323	7	518961 175063
172	Points of Interest - Public Infrastructure Name: TCS Blackhorse Location: 174 Sheen Road, Richmond, TW9 1XD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SW (S)	323	7	518961 175063
172	Points of Interest - Public Infrastructure Name: Shell Blackhorse Location: 174 Sheen Road, Richmond, TW9 1XD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SW (S)	324	7	518960 175062
173	Points of Interest - Public Infrastructure Name: Rapid Clear Location: 96 Sheen Road, Richmond, TW9 1UF Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A6SW (SW)	414	7	518472 175065
174	Points of Interest - Public Infrastructure Name: Petropolis Location: 21-22 Popham Gardens, Lower Richmond Road, Richmond, TW9 4LJ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A11SE (NE)	420	7	519331 175743
174	Points of Interest - Public Infrastructure Name: Tcs Richmond Location: 21-22 Popham Gardens, Lower Richmond Road, Richmond, TW9 4LJ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A11SE (NE)	421	7	519332 175744
174	Points of Interest - Public Infrastructure Name: TCS Richmond Location: 22-24 Lower Richmond Road, Nitan Road, Richmond, Surrey, TW9 4LJ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A11SE (NE)	421	7	519332 175744
174	Points of Interest - Public Infrastructure Name: Braymarsh Cash Ltd Location: 21-22 Popham Gardens, Lower Richmond Road, Richmond, TW9 4LJ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A11SE (NE)	422	7	519332 175744
175	Points of Interest - Public Infrastructure Name: London Borough of Richmond Location: The Lodge, Kings Ride Gate, Richmond, TW10 5BJ Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to address or location	A7SE (SE)	580	7	519291 174917
176	Points of Interest - Public Infrastructure Name: Richmond Police Station Location: 18-20 Kew Road, Richmond, TW9 2NA Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A5NE (W)	641	7	518136 175279

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	Points of Interest - Public Infrastructure Name: Richmond (London) Rail Station Location: The Quadrant, TW9 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A5NE (W)	725	7	518071 175173
177	Points of Interest - Public Infrastructure Name: Richmond Nil Rail Station Location: The Quadrant, TW9 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A5NE (W)	725	7	518071 175173
177	Points of Interest - Public Infrastructure Name: Richmond Station Location: The Quadrant, TW9 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A5NE (W)	725	7	518071 175173
178	Points of Interest - Public Infrastructure Name: Texaco Location: 567 Upper Richmond Road West, London, SW14 7ED Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (E)	747	7	519715 175311
178	Points of Interest - Public Infrastructure Name: East Sheen Service Station Location: 567 Upper Richmond Road West, London, SW14 7ED Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (E)	748	7	519716 175312
178	Points of Interest - Public Infrastructure Name: Texaco Location: 567 Upper Richmond Road West, London, SW14 7ED Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (E)	748	7	519716 175311
178	Points of Interest - Public Infrastructure Name: Star Service Stations Location: 567 Upper Richmond Road West, London, SW14 7ED Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (E)	748	7	519716 175312
178	Points of Interest - Public Infrastructure Name: East Sheen Sstn Location: 567 Upper Richmond Road West, London, SW14 7ED Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (E)	748	7	519716 175312
178	Points of Interest - Public Infrastructure Name: East Sheen Service Station Location: 567 Upper Richmond Road West, London, SW14 7ED Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (E)	748	7	519716 175312
179	Points of Interest - Public Infrastructure Name: Rubbish Lads Ltd Location: 100 Church Road, Richmond, TW10 6LW Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A2NW (SW)	771	7	518491 174631
180	Points of Interest - Public Infrastructure Name: East Sheen Cemetery Location: TW10 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A3NE (SE)	780	7	519291 174690
181	Points of Interest - Public Infrastructure Name: North Sheen Cemetery Location: TW9 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12NW (NE)	781	7	519641 175928

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
182	Points of Interest - Public Infrastructure Name: Cemetery Location: TW10 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A3NW (S)	797	7	518973 174577
183	Points of Interest - Public Infrastructure Name: Richmond Cemetery Location: TW10 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A3NW (S)	824	7	519091 174579
184	Points of Interest - Public Infrastructure Name: North Finchley Bus Station Location: 88 Kingsway, London, SW14 7HW Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A12SW (E)	878	7	519828 175709
185	Points of Interest - Public Infrastructure Name: North Sheen Cemetery Location: TW9 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	909	7	519650 176133
185	Points of Interest - Public Infrastructure Name: North Sheen Cemetery (Fulham) Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	924	7	519671 176132
186	Points of Interest - Public Infrastructure Name: Graveyard Location: TW10 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A1NE (SW)	912	7	518078 174759
186	Points of Interest - Public Infrastructure Name: Graveyard Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A1NE (SW)	916	7	518107 174721
186	Points of Interest - Public Infrastructure Name: Graveyard Location: TW10 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A1NE (SW)	921	7	518101 174720
187	Points of Interest - Public Infrastructure Name: Richmond Cemetery Location: TW10 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A3NW (S)	944	7	519032 174440
187	Points of Interest - Public Infrastructure Name: Richmond Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A3NW (S)	948	7	519050 174441
188	Points of Interest - Public Infrastructure Name: East Sheen Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A3NW (S)	960	7	519209 174469
188	Points of Interest - Public Infrastructure Name: Cemetery Location: TW10 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A3NW (S)	960	7	519202 174467

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	Points of Interest - Public Infrastructure Name: Tesco Petrol Filling Station Location: 29 George Street, Richmond, TW9 1HY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A5SE (SW)	961	7	517922 174904
190	Points of Interest - Public Infrastructure Name: Cemetery Location: TW10 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A3SW (S)	973	7	518926 174387
191	Points of Interest - Public Infrastructure Name: New Cemetery Location: SW14 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12NW (NE)	978	7	519851 175951
191	Points of Interest - Public Infrastructure Name: Mortlake Cemetery Location: Clifford Avenue, London, SW14 7BU Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to address or location	A12NW (NE)	986	7	519857 175958
192	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A11SW (N)	225	7	518887 175762
192	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A10SE (N)	226	7	518866 175758
192	Points of Interest - Recreational and Environmental Name: Playground Location: Raleigh Road, TW9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A10SE (N)	226	7	518866 175757
193	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A6SW (SW)	448	7	518489 175002
193	Points of Interest - Recreational and Environmental Name: Playground Location: Albany Road, TW10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A6SW (SW)	450	7	518496 174994
194	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A11NW (NE)	497	7	519157 175994
194	Points of Interest - Recreational and Environmental Name: Playground Location: Dancer Road, TW9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A11NW (NE)	505	7	519160 176002
195	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A11SE (E)	573	7	519533 175632

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
195	Points of Interest - Recreational and Environmental Name: Playground Location: Lambert Avenue, TW9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A11SE (E)	575	7	519534 175635
196	Points of Interest - Recreational and Environmental Name: Playground Location: Somerton Avenue, TW9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	669	7	519625 175660
196	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	676	7	519632 175660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	National Nature Reserves Name: Richmond Park Multiple Areas: N Total Area (m2): 8464578.19 Source: Natural England Reference: 1007634 Designation Date: Not Supplied	A3NE (S)	992	8	519213 174437
198	Sites of Special Scientific Interest Name: Richmond Park Multiple Areas: N Total Area (m2): 8464578.19 Source: Natural England Reference: 1002388 Designation Details: National Nature Reserve Designation Date: 4th March 1992 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 4th March 1992 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 4th March 1992 Date Type: Notified	A3NE (S)	992	8	519213 174437
199	Special Areas of Conservation Name: Richmond Park Multiple Areas: N Total Area (m2): 8464322.93 Source: Natural England Reference: UK0030246 Status: Designated	A3NE (S)	992	8	519211 174437
200	World Heritage Sites Name: Royal Botanic Gardens, Kew Reference: 1000102 Area(m²): 3453565.18 Source: Historic England Designation Date: 1st January 2003	A10NE (N)	345	10	518778 175851
201	World Heritage Sites Name: Royal Botanic Gardens, Kew Reference: 1000102 Area(m²): 1365103.99 Source: Historic England Designation Date: 1st January 2003	A10NE (NW)	534	10	518628 175981

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Royal Borough of Kingston upon Thames - Environmental Health Department London Borough of Wandsworth - Environmental Health Department London Borough of Merton - Environmental Health Department London Borough of Hounslow - Contaminated Land Section London Borough of Ealing - Environmental Health and Trading Standards Division London Borough of Hammersmith And Fulham - Environmental Health Department London Borough of Richmond upon Thames - Planning and Review Department	April 2013 January 2013 January 2015 May 2014 October 2013 September 2013 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	July 2017	Quarterly
Enforcement and Prohibition Notices Environment Agency - Thames Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Thames Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region	July 2017 July 2017 July 2017	Quarterly Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control London Borough of Wandsworth - Environmental Health Department London Borough of Hounslow - Environmental Health Department London Borough of Richmond upon Thames - Environmental Health Department London Borough of Ealing - Environmental Health and Trading Standards Division Royal Borough of Kingston upon Thames - Environmental Health Department London Borough of Hammersmith And Fulham - Environmental Health Department London Port Health Authority - Environmental Services London Borough of Merton - Environmental Health Department	August 2014 February 2013 January 2015 July 2015 June 2016 March 2014 October 2014 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls London Borough of Wandsworth - Environmental Health Department London Borough of Hounslow - Environmental Health Department London Borough of Richmond upon Thames - Environmental Health Department London Borough of Ealing - Environmental Health and Trading Standards Division Royal Borough of Kingston upon Thames - Environmental Health Department London Borough of Hammersmith And Fulham - Environmental Health Department London Port Health Authority - Environmental Services London Borough of Merton - Environmental Health Department	August 2014 February 2013 January 2015 July 2015 June 2016 March 2014 October 2014 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements London Borough of Wandsworth - Environmental Health Department London Borough of Hounslow - Environmental Health Department London Borough of Richmond upon Thames - Environmental Health Department London Borough of Ealing - Environmental Health and Trading Standards Division Royal Borough of Kingston upon Thames - Environmental Health Department London Borough of Hammersmith And Fulham - Environmental Health Department London Port Health Authority - Environmental Services London Borough of Merton - Environmental Health Department	August 2014 February 2013 January 2015 July 2015 June 2016 March 2014 October 2014 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	May 2017	
Pollution Incidents to Controlled Waters Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Thames Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Thames Region	March 2013	As notified

Agency & Hydrological	Version	Update Cycle
Registered Radioactive Substances Environment Agency - Thames Region	January 2015	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	July 2017 July 2017 July 2017 July 2017	Quarterly Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Thames Region	July 2017	Quarterly
Water Industry Act Referrals Environment Agency - Thames Region	July 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	July 2017	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2017	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2017	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2017	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2017	Quarterly
Flood Defences Environment Agency - Head Office	August 2017	Quarterly
OS Water Network Lines Ordnance Survey	July 2017	6 Weekly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	May 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Thames Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	May 2017 May 2017 May 2017 May 2017	Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	July 2017 July 2017 July 2017 July 2017	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage London Borough of Ealing London Borough of Hammersmith And Fulham - Environmental Health Department London Borough of Hounslow - Environmental Health Department London Borough of Merton - Environmental Health Department London Borough of Richmond upon Thames London Borough of Wandsworth - Environmental Health Department Royal Borough of Kingston upon Thames - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites London Borough of Wandsworth - Environmental Health Department London Borough of Ealing London Borough of Hammersmith And Fulham - Environmental Health Department London Borough of Hounslow - Environmental Health Department London Borough of Merton - Environmental Health Department London Borough of Richmond upon Thames Royal Borough of Kingston upon Thames - Environmental Health Department	April 2003 May 2000 May 2000 May 2000 May 2000 May 2000 September 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	June 2015 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	September 2017	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements London Borough of Ealing London Borough of Hounslow London Borough of Merton London Borough of Richmond upon Thames London Borough of Wandsworth - Technical Services Royal Borough of Kingston upon Thames London Port Health Authority - Environmental Services London Borough of Hammersmith And Fulham - Environmental Protection	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 January 2008 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents London Borough of Hammersmith And Fulham - Environmental Protection London Borough of Ealing London Borough of Hounslow London Borough of Merton London Borough of Richmond upon Thames London Borough of Wandsworth - Technical Services Royal Borough of Kingston upon Thames London Port Health Authority - Environmental Services	August 2015 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 January 2008	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2017	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	October 2015	As notified
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	June 2017	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2017	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	September 2017	Quarterly
Points of Interest - Education and Health PointX	September 2017	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2017	Quarterly
Points of Interest - Public Infrastructure PointX	September 2017	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2017	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	May 2017	Bi-Annually
Areas of Adopted Green Belt London Borough of Ealing London Borough of Hounslow London Borough of Richmond upon Thames Royal Borough of Kingston upon Thames	May 2017 May 2017 May 2017 May 2017	As notified As notified As notified As notified
Areas of Unadopted Green Belt London Borough of Ealing London Borough of Hounslow London Borough of Richmond upon Thames Royal Borough of Kingston upon Thames	May 2017 May 2017 May 2017 May 2017	As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	August 2017	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	August 2017	Bi-Annually
Marine Nature Reserves Natural England	August 2017	Bi-Annually
National Nature Reserves Natural England	August 2017	Bi-Annually
National Parks Natural England	August 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	June 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	August 2017	Bi-Annually
Sites of Special Scientific Interest Natural England	August 2017	Bi-Annually
Special Areas of Conservation Natural England	August 2017	Bi-Annually
Special Protection Areas Natural England	August 2017	Bi-Annually
World Heritage Sites Historic England	May 2017	Bi-Annually

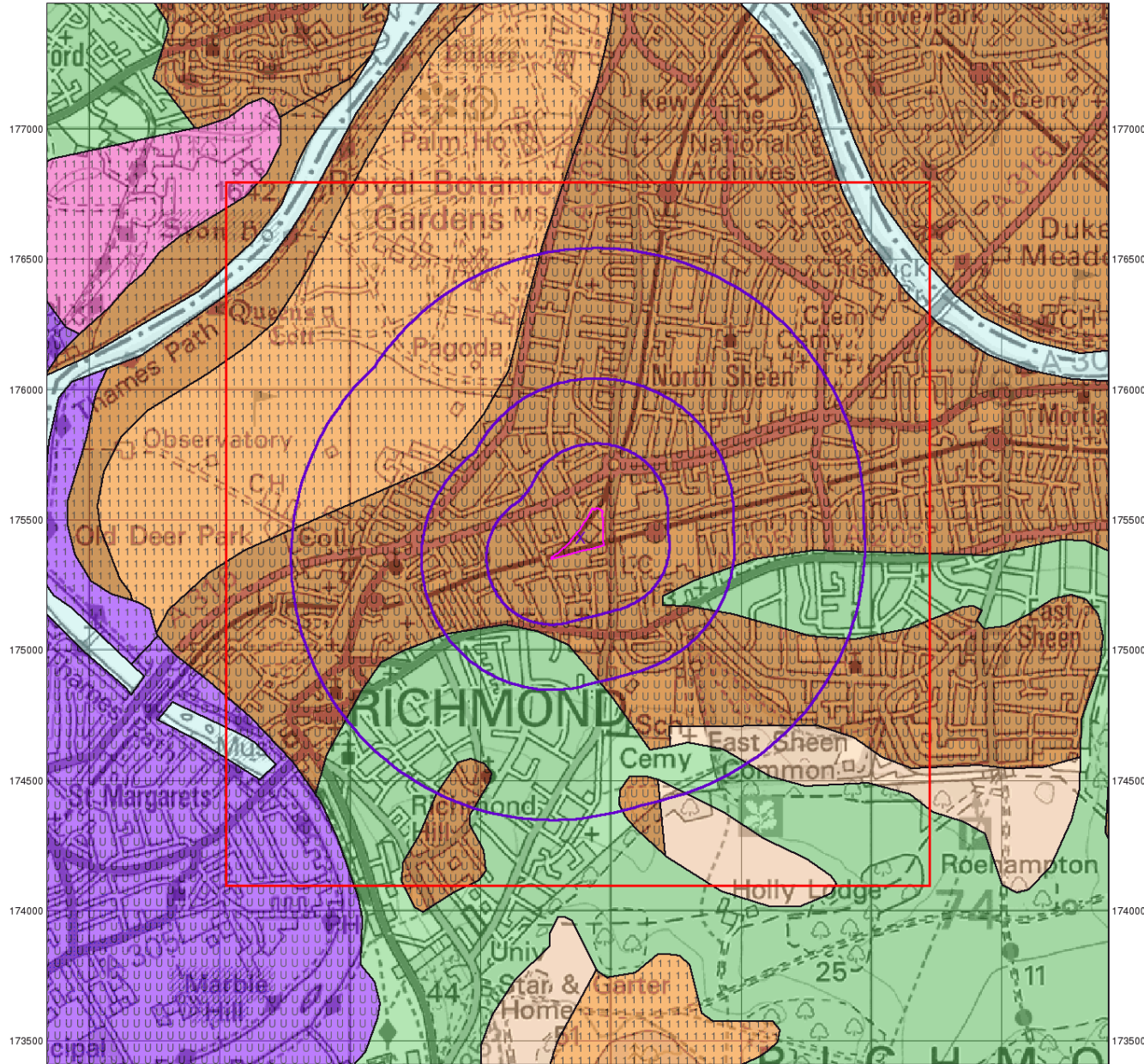
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	London Borough of Richmond upon Thames - Environmental Health Department 4 Waldegrave Road, Teddington, Middlesex, TW11 8EN	Telephone: 020 8891 1411 Fax: 020 8891 7702 Website: www.richmond.gov.uk
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 023 8079 2000 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	London Borough of Richmond upon Thames Civic Centre, 44 York Street, Twickenham, Middlesex, TW1 3BZ	Telephone: 020 8891 1411 Fax: 020 8891 7702 Website: www.richmond.gov.uk
6	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
10	Historic England 1 Waterhouse Square, 138 - 142 Holborn, London, EC1N 2ST	Telephone: 0370 333 0607 Email: customers@historicengland.org.uk Website: www.historicengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

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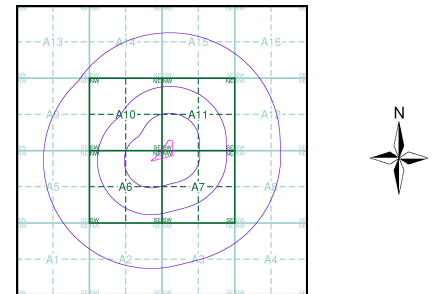
FAIRHURST

Groundwater Vulnerability

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

- Agency and Hydrological**
- | | |
|---|--|
| Geological Classes | Soil Classes |
| Major Aquifer (Highly Permeable) | <ul style="list-style-type: none"> High (H) 1, 2, 3, U Intermediate (I) 1, 2 Low |
| Minor Aquifer (Variably Permeable) | <ul style="list-style-type: none"> High (H) 1, 2, 3, U Intermediate (I) 1, 2 Low |
| Non Aquifer (Negligibly Permeable) | |
| Water or Sea | |
| Drift Deposit | |

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 142584674_1_1
 Customer Ref: Homebase, Richmond
 National Grid Reference: 518890, 175430
 Slice: A
 Site Area (Ha): 1.58
 Search Buffer (m): 1000

Site Details
 Homebase Ltd, 84, Manor Road, RICHMOND, TW9 1YB

Landmark
 INFORMATION GROUP

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

517000 517500 518000 518500 519000 519500 520000 520500



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FAIRHURST

Bedrock Aquifer Designation

General

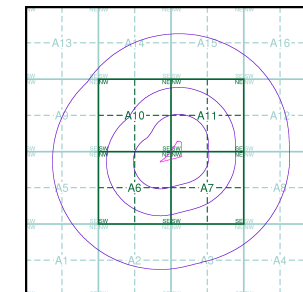
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

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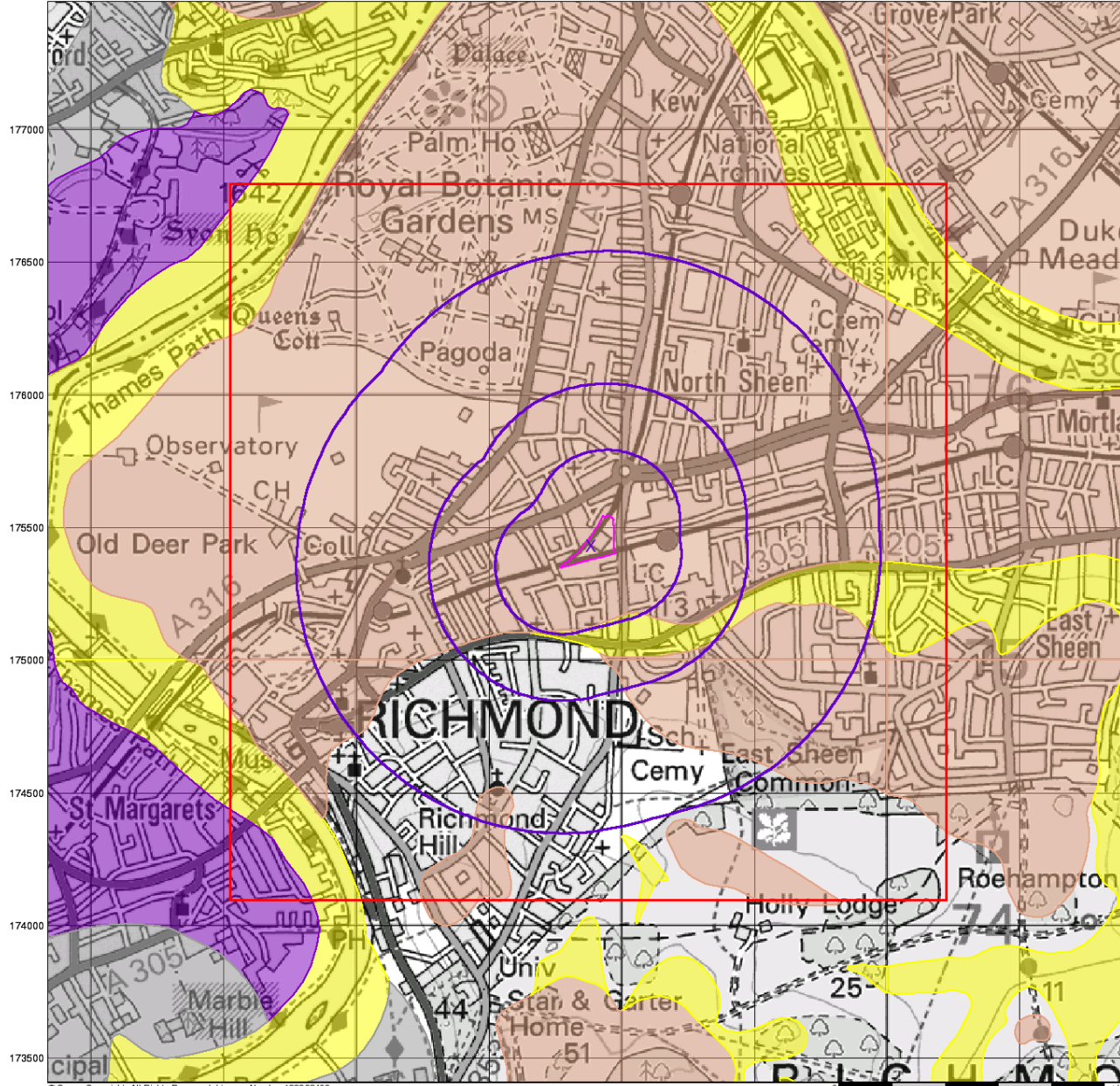
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FAIRHURST

Superficial Aquifer Designation

General

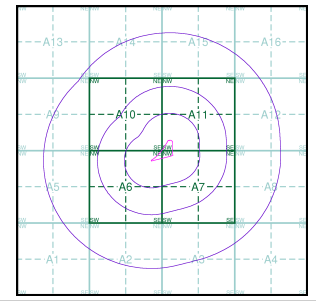
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



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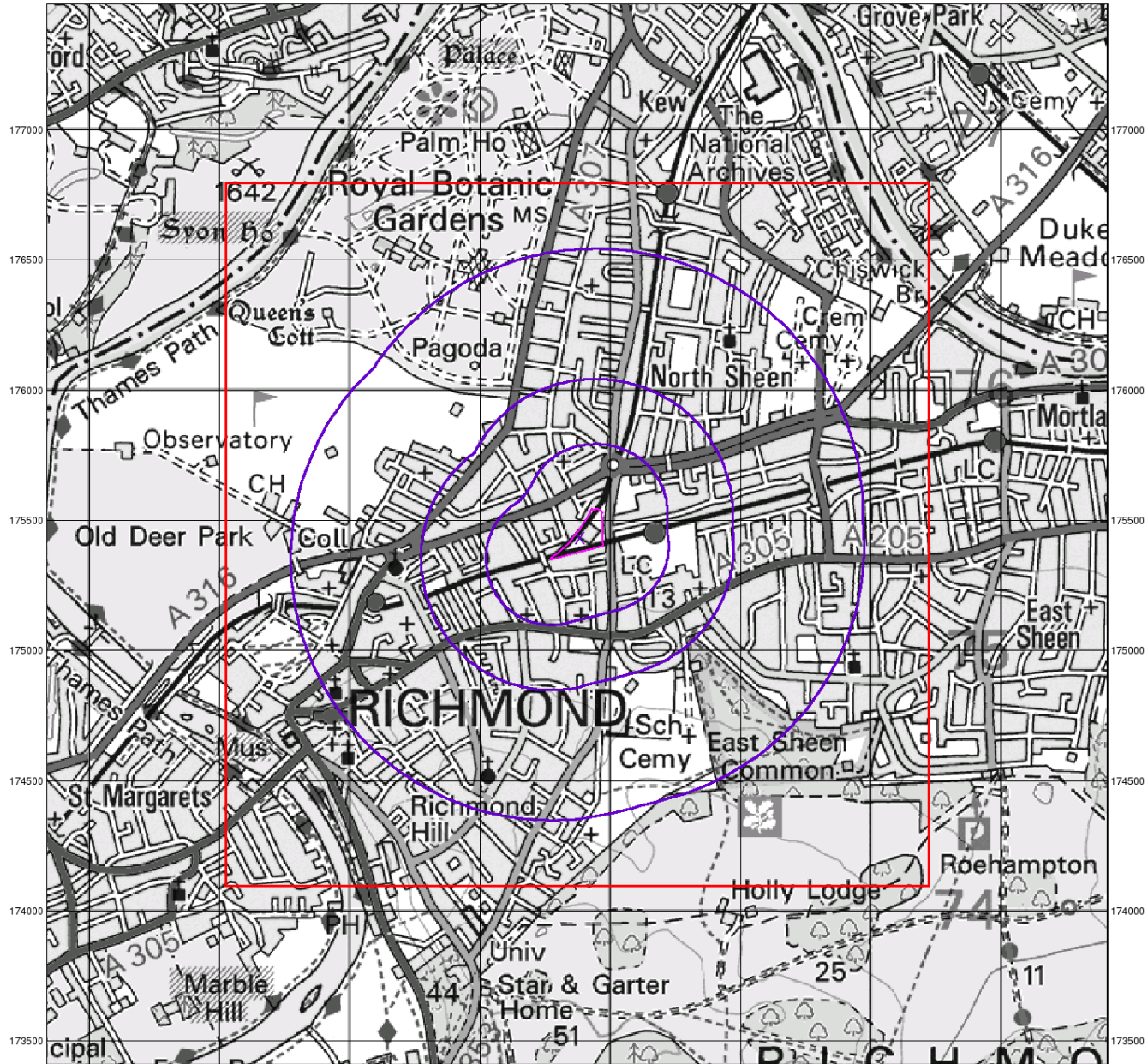
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FAIRHURST

Source Protection Zones

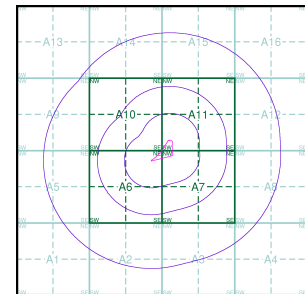
General

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

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



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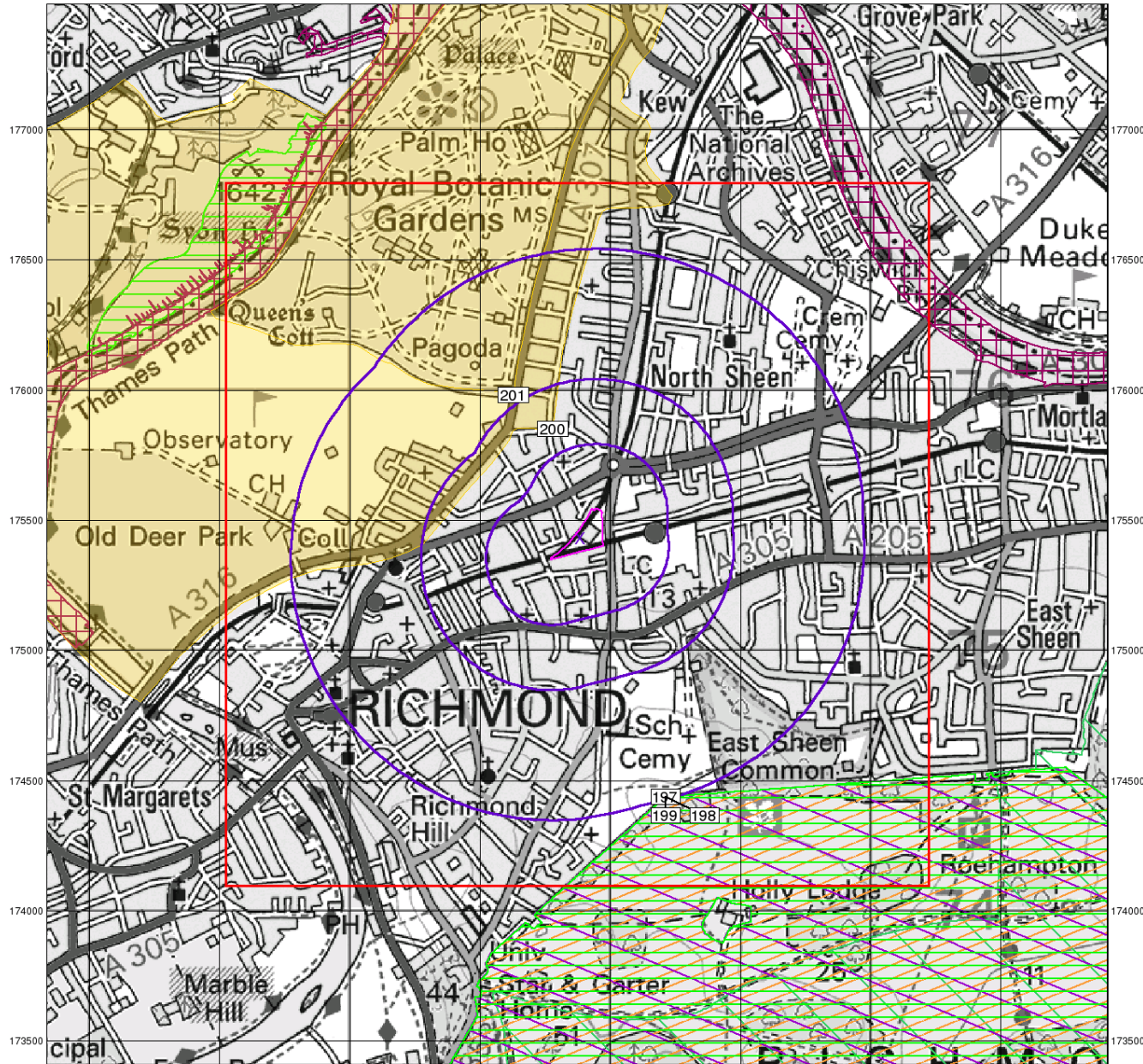
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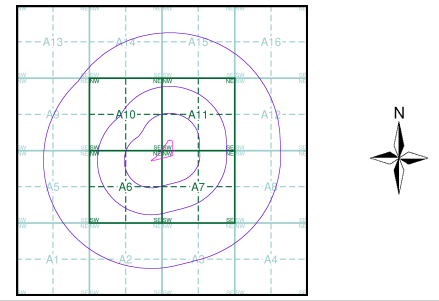
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FAIRHURST

Sensitive Land Uses

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Sensitive Land Uses**
- Ancient Woodland
 - Area of Adopted Green Belt
 - Area of Unadopted Green Belt
 - Area of Outstanding Natural Beauty
 - Environmentally Sensitive Area
 - Forest Park
 - Local Nature Reserve
 - Marine Nature Reserve
 - National Nature Reserve
 - National Park
 - Nitrate Sensitive Area
 - Nitrate Vulnerable Zone
 - Ramsar Site
 - Site of Special Scientific Interest
 - Special Area of Conservation
 - Special Protection Area
 - World Heritage Sites

Site Sensitivity Context Map - Slice A



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