

PHASE 1 ENVIRONMENTAL SITE ASSESSMENT

Shell Fairfield



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EXECUTIVE SUMMARY

AECOM Infrastructure and Environment UK Limited undertook a Phase 1 Environmental Site Assessment (ESA) of Shell Fairfield, 585 Basingstoke Road, Reading, RG2 0TA. This report has been collated to support Shell UK Oil Products Limited (Shell) with its environmental asset management activities. This Phase 1 report was produced to provide an initial conceptual site model for a continued petroleum usage.

The site is currently an active petrol filling station located in a mixed residential and commercial area. There are seven (7) active tank compartments at the site housed in six (6) vessels.

The site is shown as a petrol filling station on 1974 historical maps but the layout on the 1958 map may indicate a filling station or garage. The Petroleum Officer's (PO) report indicates that underground storage tanks have been present at the site since at least 1975. In 1981 additional tanks were installed. In 1987 an additional vessel (with two tank compartments (T4-5)) was installed. Based on this, it is thought that the remaining operational tanks (T1-3 and T6-7) were installed in two stages; pre 1975 and 1981. All operational tanks were relined in 2007 when the site was redeveloped.

The site geology comprises bedrock deposits of London Clay Formation (Unproductive Strata), underlain by the Lambeth Group Formation (Secondary A Aquifer), further underlain by the Seaford Chalk Formation (Primary Aquifer).

The nearest surface water feature is a possible culverted stream 10m east of the site, with its downstream continuation located approximately 120m south west of the site. Two ponds are located approximately 200m north of the site. A number of small unnamed bodies of water (drains and ponds) are located approximately 350m south and west of the site. Foundry Brook (a tributary of the River Kennet) is located approximately 1km to the west.

Groundwater was not encountered to the maximum extent of investigation (12m) during the 2011 URS CESA. The site is not located within a Source Protection Zone (SPZ). BGS log SU76NW64 (200m southwest and at 40.4m AOD) reported a resting water level of 6.2m (34.2m AOD) in the London Clay. The water strike was not reported. Based on the physical properties of the London Clay and the absence of groundwater to an elevation of 31m AOD in previous investigations, it is thought that groundwater was struck beneath the London Clay.

A preliminary risk assessment has been completed, the following potential pollutant linkages identified for the site, summarised as follows:

- Potentially impacted shallow soils / perched water (if present) / groundwater, followed by vapour migration and inhalation by on-site shop staff, site users and visitors, off-site commercial workers, and off-site residents.
- Potentially impacted soils / perched water (if present) / groundwater, followed by soil particulate dermal contact, inhalation or ingestion by visiting contractors excavating the ground.
- Potentially impacted soils / perched water (if present) / groundwater, followed by permeation through plastic pipes into the site potable water supply.
- Potentially impacted soils/groundwater from the site, followed by migration of impacted groundwater to the unnamed stream culverted 10m from the site (east) and its downgradient continuation located approximately 120m south west of the site).

1. INTRODUCTION

AECOM was requested by Shell UK Oil Products (Shell) to undertake a Phase 1 Environmental Site Assessment (ESA) at Shell Fairfield located at 585 Basingstoke Road, Reading, RG2 0TA.

Table A – Site Information	
Site Name	Shell Fairfield
Site Operation	The site is currently an active petroleum filling station.
GSAP ID Number	10019023
Site Address	The site is located at 585 Basingstoke Road, Reading, RG2 0TA (Figure 1).
Grid Reference (easting and northing)	471670, 169260
Reported Site Area	Approximately 3,900 square metres (m ²)
Freehold/Leasehold	Freehold. AECOM understands that the site is owned by Shell.
Sources of Information	1. AECOM Site Visit (15 June 2016). As part of the inspection a series of photographs were taken and are presented in Appendix A. 2. Envirocheck Report commissioned from Landmark Information Group Ltd (Report Ref: 87325704_1_1, dated 24 May 2016) (Appendix B). 3. Envirocheck Historical maps commissioned from Landmark Information Group Ltd (Report Ref: 35900791_2_1, dated 30 August 2011) (Appendix B) 4. Petroleum Officer's report, 08 June 2016 (Appendix C). 5. BGS Geology of Britain Viewer, accessed at http://www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html, on 01 June 2016. 6. Environment Agency (EA), What's in Your Backyard, accessed at http://www.environment-agency.gov.uk/homeandleisure/37793.aspx, on 01 June 2016. 7. GeoDelft, Tier 1 Soil Gas Survey, C2336.SG034.7743, February 2004 (Ref. 1) 8. GeoDelft, Geo-Environmental Investigation, C2336.SG034, dated June 2004 (Ref. 2) 9. RSK Group Plc, Preliminary Investigation Report, January 2007 (Ref. 3) 10. RSK Group Plc, Comprehensive ESA Final Report, 310413-R1(00), May 2007 (Ref. 4) 11. RSK Group Plc, Soil Verification Report during site redevelopment, 310396-R1(02), April 2008 (Ref. 5) 12. URS, Phase I Environmental Site Assessment, R46370032-001 / Issue No. 2, December 2011. (Ref. 6) 13. URS, Comprehensive Environmental Site Assessment, R46370032-002 Issue No.2, dated December 2011. (Ref. 7) 14. Reading Borough Council, Environmental Health Team. Emailed for private water abstraction information, 24 April 2016.

1.1 Objectives

This report has been collated to support Shell with its environmental asset management activities.

The objective of the Phase 1 Investigation detailed herein was to develop a preliminary Conceptual Site Model (CSM) for the site.

This was undertaken by:

- Evaluation of the likelihood of occurrence, nature and potential magnitude of impacted ground at the site.
- Evaluation of potential transport mechanisms and migration pathways by which chemicals of potential concern (COPC) could migrate off-site.
- Estimation of the potential effects of impacted ground on the subject property and surrounding areas.

1.2 Scope of Work

The Scope of Work for this Phase 1 Assessment includes:

- Completion of a desktop investigation of relevant data sources.
- A site inspection / walkover.
- Development of a Preliminary Conceptual Site Model.
- Preliminary Risk Assessment for Controlled Waters and Human Health.
- Sub-scan survey to assess location of utilities.

1.3 Sustainability

In implementing the scope of works outlined in Section 1.2, AECOM made the following considerations of sustainability:

- The Phase 1 site walkover was staffed from the local AECOM office to reduce travel impact.
- Deliverables were submitted electronically

2. DESK STUDY INFORMATION

2.1 Site History and Regulatory Information

A summary of the information about the on and off site history site is provided in Tables B and C below (based on historical maps acquired in the 2011 Envirocheck report). Copies of the historical maps are provided in **Appendix B**.

Table B – History of On-Site Activities

Map Date	On-site Features
1879	The site was undeveloped farmland.
1958	A small building is now on site, with vehicle access from the road from the north and the south.
1974	The site labelled as a petrol filling station. Redevelopment has occurred and a larger forecourt is present and potentially a canopy. A tank (assumed above ground) is labelled.
1994	The site is shown in its current configuration. The tank is no longer shown.

Table C – History of Off-Site Activities

Map Date	Off Site Features	Distance	Direction
1879 - 1959	Lower Whitley Farm	120m	NW
1879 - 1976	Whitleywood Farm	200m	S
1976 - 2006	Depot	200m	S
1983 - Present	Embankment (observed to be approximately 4m high during site walkover on 29 June 2016)	15m	W
1983 – 2011 (most recent map)	Large building with car parking area, assumed commercial. Labelled as 'depot' on 1983 map only. Second building present to south west of first from 1985 map. Area observed as levelled ground surfaced with concrete during site walkover on 29 June 2016.	50m	W
1983 - 1984	Tank (unspecified purpose)	80m	SW

Table C – History of Off-Site Activities

1984 – 2011 (most recent map)	Brewery	500m	W
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2.2 Regulatory Information

A summary of regulatory information is provided in Tables D and E below. Full details are provided in **Appendix B**.

Table D – On Site Regulatory Information

Discharge Consents	No entries.
Pollution Incidents	No entries.
Integrated Pollution Controls	No entries.
Integrated Pollution Prevention Controls	No entries.
Local Authority Pollution Prevention Control	No entries.
Substantiated Pollution Incident Register	No entries.
Prosecutions relating to Authorised Processes	No entries.
Registered Radioactive Substances	No entries.
BGS Recorded Landfill Sites	No entries.
Historic Landfill Sites	No entries.
Local Authority Recorded Landfill Sites	No entries.
Registered Landfill Sites	No entries.
Registered Waste Transfer Sites	No entries.
Licensed Waste Management Facilities	No entries.

Table D – On Site Regulatory Information	
Registered Waste Treatment or Disposal Sites	No entries.
Control of Major Accident Hazards Sites (COMAH)	No entries.
Notification of Installations Handling Hazardous Substances (NIHHS)	No entries.
Contemporary Trade Directory Entries	One (1) contemporary trades entry was listed on the site as follows: Fairfield Service Station: Petrol Filling Station. Active.
Fuel Station Entries	One (1) on-site entry listed for open petrol filling station for Shell Fairfield.

Table E – Off Site Regulatory Information	
Discharge Consents	Eight (8) current discharge consents were identified within 1 kilometre (km) of the site: - Four (4) entries for Scottish Courage Brewing Ltd, located between 427 – 577m south west of the site. Discharge of 'sewage discharges – final/treated effluent', 'trade discharge –process water', 'miscellaneous discharges – mine/groundwater as raised'. Discharging to freshwater/stream. Issue Dates: January 1985 and April 1998. Status: Revoked, surrendered or lapsed - Heineken Uk Ltd, located 705m north west of the site. Discharge of trade effluent - site drainage. Discharging to freshwater/stream. Issue Date: November 2004. Status: Revoked (under EPR 2010). - Scottish Courage Brewing Ltd, located 815m north west of the site. Discharge of sewage discharges – final/treated effluent. Discharging to freshwater/stream. Issue Date: March 1987. Status: Lapsed (Environmental Act 1995). - Two (2) entries for Thames Water Utilities Ltd, located 892m south west of site. Sewage Discharge – Pumping Station – Water Company. Discharging to freshwater/stream. Issue Date: September 2010. Status: Surrendered (under EPR 2010)
Pollution Incidents	One (1) incident to controlled waters was identified within 250m of the site: Property Type: Not given, 223m south of the site. Pollutant: Oils – unknown. Incident Date: 10 March 1998. Incident severity: Category 3 – Minor Incident. A further fourteen (14) incidents to controlled waters were identified within 1km of the site between May 1990 and June 1998, all of which were classified as Category 3 (Minor) Incidents. Pollutant types included oils- unknown, unknown sewage, miscellaneous – unknown and chemicals unknown.

Table E – Off Site Regulatory Information	
Integrated Pollution Controls	Four (4) integrated pollution controls were identified within 1km of the site: - Three (3) entries relating to: Scottish And Newcastle Uk Ltd, 328m-334m west of the site. Description: Combustion processes within the fuel & power industry. Dated: May 1992 – November 1998. Status: Authorisation superseded by a substantial or non substantial variation / Revoked – Now IPCC. - Courage Ltd, 334m west of the site. Description: Combustion processes within the fuel & power industry. Dated 03 August 1992. Status: Application received by HMIP but not yet authorised.
Integrated Pollution Prevention Controls	Twelve (12) integrated pollution prevention controls were identified within 1km of the site: All entries relate to Heineken UK Ltd, Dalkia Utilities Services PLC or Scottish And Newcastle Uk Ltd at Berkshire Brewery. Ten entries (10) are listed as located 429m west of the site and two (2) entries are listed as located 636m west of the site. Entries relate to: 'Combustion; Any Fuel Greater Or Equal To 50Mw' and 'Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day'. Entries are listed as 'Surrender Effective' or 'Superseded by Variation'.
Local Authority Pollution Prevention Control	Four (4) Local Authority Pollution Prevention Controls were identified within 1km of the site: - Renault Trucks Commercials Ltd, located 886m north of the site, relating to PG6/34 Respraying of Road Vehicles. Status at time of writing; permitted. - Jewson Ltd, located 954m north of the site, relating to PG6/2 Manufacture of Timber and Wood-Based Products. Status at time of writing; authorisation revoked. - Fraikin Ltd, located 970m north west of the site, relating to PG1/1 Waste Oil Burners. Status at time of writing; authorisation revoked. - Cellulair, located 982m north west of the site, relating to PG6/32 Adhesive Coating. Status at time of writing; authorisation revoked.
Substantiated Pollution Incident Register	No entries.
Prosecutions relating to Authorised Processes	No entries.
Registered Radioactive Substances	No entries.
BGS Recorded Landfill Sites	One BGS recorded landfill site was recorded within 1km of the site: Smallmead Tip located 849m north west of the site.
Historic Landfill Sites	No entries.

Table E – Off Site Regulatory Information	
Local Authority Recorded Landfill Sites	One local authority recorded landfill site was recorded within 1km of the site, located 845m north west of the site. No details regarding site name or type of waste supplied.
Registered Landfill Sites	No entries.
Registered Waste Transfer Sites	No entries.
Licensed Waste Management Facilities	Four (4) licensed waste management facilities located within 1km of the site: - Select Environmental Services Ltd, located 949m north of the site. Site category: clinical waste transfer station. Date issued: May 2009. - Reading Football Club, located 962m north west of the site. Site category: household, commercial and industrial waste landfills. Date issued: June 1997. - Reading Borough Council, located 968m north of the site. Site category: clinical waste transfer station. Date issued: October 1998. - Reading Borough Council, located 968m north of the site. Site category: household, commercial and industrial transfer stations. Date issued: June 1992.
Registered Waste Treatment or Disposal Sites	No entries.
Control of Major Accident Hazards Sites (COMAH)	No entries.
Notification of Installations Handling Hazardous Substances (NIHHS)	No entries.
Contemporary Trade Directory Entries	Ninety-nine (99) off-site entries were listed within 1km of the site, of which seventy (70) were 'inactive'. Of the 'active' entries, one (1) was located within 250m of the site as detailed below: Kuehne + Nagel Ltd, 245m north west of site. Road Haulage Services.
Fuel Station Entries	One (1) off-site fuel station entries were identified within 1km of the site, detailed below: Whitley Wood Garage, located 356m north of the site. Status at time of writing: obsolete.

2.3 Previous Reports

Table F – Previous Site Investigations and Remedial Works

Previous Site Investigations	<u>GeoDelft, Tier 1 Soil Gas Survey, C2336.SG034.7743, dated February 2004 (Ref. 1)</u> The report concluded that minimal contamination was identified, however a 'taint' to the mains water in the shop was reported.
	<u>GeoDelft, Geo-Environmental Investigation, C2336.SG034, dated June 2004 (Ref. 2)</u> One exploratory hole (BH1/034) was drilled on site to 7m bgl. On-site field testing recorded a maximum PID reading of 2.8ppm. Laboratory testing reported a maximum TPH concentration of 82mg/kg in the sample taken at 0.5m bgl. .
	<u>RSK Group Plc, Preliminary Investigation Report, dated January 2007 (Ref. 3)</u> RSK identified that London Clay underlies the site and acts as an aquitard, effectively preventing downward migration of contaminants on site to the underlying Chalk aquifer. The preliminary risk assessment carried out did not identify any potentially complete pollutant linkages.
	<u>RSK Group Plc, Comprehensive ESA Final Report, 310413-R1(00), dated May 2007 (Ref. 4)</u> The scope of this CESA was predominantly in the forecourt area and included the drilling of twelve boreholes (ten to 3m bgl, one to 6m bgl and one to 8m bgl) and 8 trial pits (to a maximum depth of 1.55m bgl). RSK concluded that limited contamination, identified in one trial pit, was present in the shallow made ground around the pump island forecourt, which had not permeated the natural clay beneath. Probeholes drilled around the site indicated that the limited contamination was largely confined to the forecourt area. The human health risk assessment showed that the risk to on-site workers and site users was acceptable when considering the identified ground conditions.
	<u>RSK Group Plc, Soil Verification Report during site redevelopment, 310396-R1(02), dated April 2008 (Ref. 5)</u> Validation samples were collected during redevelopment of the site in 2007. The redevelopment works included the lining of existing tanks, the removal and replacement of dispensers and the fuel lines along with the replacement of the interceptor. Results from the analysis of soil validation samples indicated that the site was considered suitable for continued oil use.
	<u>URS, Phase I Environmental Site Assessment, R46370032-001 / Issue No. 2, dated December 2011 (Ref.6)</u> A P1 environmental was undertaken for the site in September 2011. A number of potentially complete pollutant linkages to human health and controlled waters were identified.
	<u>URS, Comprehensive Environmental Site Assessment, R46370032-002 Issue No.2, dated December 2011 (Ref. 7)</u> The scope of the work included drilling of five boreholes in the south east of the site to a maximum depth of 12 m bgl in September 2011. Groundwater was not encountered and the boreholes were backfilled. Phase separate hydrocarbons were not identified during site investigation. A Stage 2 risk assessment was performed on the available soil data to assess risks to human health. No unacceptable risks to human health or controlled waters receptors were identified. .
Historical Site Boreholes	Although boreholes have been drilled in previous investigations (Ref. 2, 4 and 7), boreholes were backfilled at the time of investigation and

Table F – Previous Site Investigations and Remedial Works

	monitoring wells were not installed.
Historical Remedial Activities	During site redevelopment in 2007, RSK collected validation samples. Results from the analysis of soil validation samples indicated that the site was considered suitable for continued oil use.

2.4 Fuel Infrastructure

Table G – General Information Regarding Fuel Infrastructure

Site age	The site is shown as a petrol filling station on 1974 historical maps (Appendix B), but the layout on the 1958 map may indicate a filling station or garage. The Petroleum Officer's report (Appendix C) indicates that underground storage tanks have been present at the site since at least 1975.
Known redevelopment on the site	AECOM understands that the site was redeveloped in February 2007 (Ref. 5). These works comprised the lining of all existing tanks, replacement of the interceptor and replacement of pump islands with associated pipework. The Petroleum Officer's report (Appendix C) provided the following summary of works at the site: • Feb 1981: Installation of additional tanks and associated pipework. • June 1987: 2x c.13,000 L tanks installed (tank 4 & 5 – one vessel of 26,000 L). • Sept 1995: All pumps and pump islands and connecting pipework removed and replaced. • May 2003: Grade change at site. • Jan 2004: Replacement of suction lines. • Aug 2004: Installation of new interceptor. • Feb - March 2007: Redevelopment of site.
Number of fuel islands and dispensers (Cars and Heavy Goods Vehicles - HGVs)	Cars: Ten (10) dispensers on four (4) pump islands (including two (2) LPG dispensers). HGVs: Three (3) dispensers on two (2) pump islands.
Gauge system currently operating	Gilbarco Veeder Root model TLS 350R.
LPG on the site	LPG (Autogas) is held in an above ground storage tank in the north of the site.

Table G – General Information Regarding Fuel Infrastructure	
Number of above ground storage tanks, contents	One (1) above ground storage tank for LPG. One (1) above ground storage tank for AdBlue.
Number of underground vessels / tank compartments	Six (6) vessels, with seven (7) tanks compartments.
Number of off-set fill points	Seven (7) above ground off-set fill points were identified close to the northern edge of the site forecourt area.
Evidence of abandoned underground tanks on-site	PO officer has no record of any disused tanks on site.
Underground tanks installation strata	Based on desk study information, the tanks and fuel infrastructure are likely to be installed into the London Clay.
Design of the tanks	Single walled steel – lined during redevelopment in 2007.
Tank manholes	The tank manholes are located in the northern portion of the site.
Site interceptor	The site was identified to have one three stage interceptor located to the south of the shop building. The PPG21 drawing (Appendix E) indicates a second interceptor is located in the south of the site; however, there was no evidence of a second operational interceptor during the sub-scan visit.
Interceptor drainage	The PPG21 indicates that the interceptor drains to the combined sewer that runs off to the south east of the site. The sub-scan drawing shows the operational interceptor draining to an outlet to the southwest of the site.
Soakaway on the site	No soakaways have been identified on-site.
Drainage on the site	The PPG21 shows all forecourt drainage passes through interceptor facilities before discharging offsite to a combined water drain to the south east. Roof drainage and foul water from the shop also ultimately discharge to this same sewer. The sub-scan drawing (as shown on Figure 3) shows a different configuration with drainage on site discharging to a sewer to the south east and potentially to a second outlet the south west. Foul water from the shop, is shown discharging to a different point along the site's eastern boundary. See PPG21 drawing in Appendix E .
Asbestos on the site	Asbestos survey not reviewed on site.

Table G – General Information Regarding Fuel Infrastructure

Known accidental release on-site or wet stock variance	The PO report indicates there have been no major accidental releases on site; however the following minor issue has been reported: - Oct 2006: Escaping LPG from main tank – <i>not considered a COPC</i>. - Oct 2006: Failure of diesel tank (Tank 7). Water discovered inside tank c.31 October though source was unclear. Assumption appears to have been that tank was damaged below ground level. Tank was sealed and taken out of use. Repair carried out 15 November 06. Upon re-inspection, the petroleum officer reported that there was a smell of LPG issuing from the tank: no further action recorded. Fairbanks Environmental have been monitoring wetstock records on behalf of Shell since October 2012. According to information received from Fairbanks on 27 May 2016, an investigation was opened in October 2013 due to poor performance on Tank 6 Unleaded which led to line testing in March 2014 which found leaks on the VR2 line below pumps 5&6 and 7&8. This was consequently repaired. An investigation in December 2014 again on Tank 6 Unleaded led to full pressure testing in January 2015. This identified a further fail for the VR2 line. The pump fault was subsequently repaired and subsequently passed testing. According to the Fairbanks report, Tank 6 Unleaded was under investigation in May 2016 for poor performance. Full pressure testing of lines, tanks and off set fill points was undertaken. These all passed. All tank and lines passed testing carried out in April 2011 and April 2012. Lines from tank 1 to pumps 5/6 and 7/8 also passed testing in August 2013. Tests completed in March 2014 and January 2015 are discussed above as presented in information by Fairbanks (see above). In January 2016, the stage 2 line from tank 6 passed testing.
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Table H – Summary of On-site Fuel Tank / Compartments

Tank number or ID	Vessel 1	Vessel 2	Vessel 3	Vessel 4	Vessel 5	Vessel 6	
Compartment number or ID	Tank 1	Tank 2	Tank 3	Tank 6	Tank 7	Tank 4	Tank 5
Tank type ⁽¹⁾	Single Walled Steel & Lined	Single Walled Steel & Lined	Single Walled Steel & Lined	Single Walled Steel & Lined	Single Walled Steel & Lined	Single Walled Steel & Lined	Single Walled Steel & Lined
Tank size (litres) ⁽²⁾	35,276	35,276	35,276	27,276	27,276	12,550	12,390
Product stored ⁽²⁾	Diesel	Diesel	Diesel	Unleaded	Unleaded	V Power Diesel	V Power Unleaded
Status ⁽²⁾	Active	Active	Active	Active	Active	Active	Active
Date of installation ^(3,4)	Pre 1975 or 1981/1992	Pre 1975 or 1981/1992	Pre 1975 or 1981/1992	Pre 1975 or 1981/1992	Pre 1975 or 1981/1992	1987/1992	1987/1992
Lined ^(1,3)	2007	2007	2007	2007	2007	2007	2007
Relative level (RL) of tank base	Assumed to be 4.5m bgl	Assumed to be 4.5m bgl	Assumed to be 4.5m bgl	Assumed to be 4.5m bgl	Assumed to be 4.5m bgl	Assumed to be 4.5m bgl	Assumed to be 4.5m bgl

NOTES:

1 - Based on information provided by Shell

2 - Tank gauge print out obtained 30 June 2016 during site walkover

3 - The Petroleum Officer Report dated 08 June 2016 (Appendix C),

The PO Report stated that the site first operated as a filling station 1975 or earlier. In 1981 additional tanks were installed. In 1987 an additional vessel (with two tank compartments (T4-5)) was installed. Based on this, it is thought that the remaining operational tanks (T1-3 and T6-7) were installed in two stages; pre 1975 and 1981.

4 - RSK reports state that the tanks were installed in 1992. The 2007 RSK P1 and CESA (Ref 3&4) reference the Shell NERA III database. The RSK 2008 soil verification report (Ref 5) referenced petroleum officers records. AECOM do not hold any record of site redevelopment in 1992.

2.5 Environmental Setting

Table I – Site Surface

Site Surface	Forecourt Area (area under canopy, next to all fuel islands, tank farm and fill points): The area is surfaced with concrete. Access Routes: The area in front of the shop and access/egress routes were surfaced with tarmac. Tank Farm: The surface covering the tank farm comprises grass. The tank farm manholes are encased in concrete.
Presence of Open Ground	Forecourt Area: No open ground was observed in the forecourt. Adjacent to the Site Boundaries and Tank Farm Area: Vegetated, landscaped areas are located on site along the northern site boundary. The tank manholes and interceptors are installed within grassed areas in the northern part of the site. A small section of grass is located between two access roads in the south of the site.
Integrity of the surface	Forecourt Area: The concrete was observed to be in good condition under the canopy, with cracking around the HGV lanes. Access Routes and Tank Farm Area: The concrete surrounding the tank farm manholes was observed to be in good condition. The tarmac in front of the shop and along the access/egress routes was observed to have a number of cracks.
Evidence of superficial chemicals of potential concern (COPC)	Minor superficial staining around the pump islands observed during the site walkover.
Location of fences and retaining walls (and sheet piling)	Metal fencing is present along the northern, eastern and southern site boundaries.

Table J – Surrounding Land Use

North	The site is immediately bound by gardens associated with residential houses located approximately 10m from the northern boundary, extending greater than 30m from the site.
South	The site is immediately bound by a derelict commercial unit, under construction at the time of the site walkover. The Shell site manager indicated that the future use would be a car hire company. Residential dwellings with gardens are located beyond from approximately 60m.
East	The site is immediately bound by a grassed open space with terraced residential housing of Heroes Walk approximately 15m from the site boundary. Open public space is present adjacent to the south east, extending greater than 30m from the site.
West	The site is bound by Basingstoke Road, with an area of elevated land beyond (approximately 10m from the site boundary). Beyond the mound

Table J – Surrounding Land Use

	was open land, predominantly covered in concrete. No buildings were visible. This extended to greater than 30m from the site.
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Table K – Site Specific Information – Topography, Hydrology, Hydrogeology and Geology

Site Elevation	The site is located at an approximate elevation of 43 metres Above Ordnance Datum (m AOD).
Topography	On-site: The site was observed to be generally flat. North: The land to the north was at the same elevation as the site. South: The land to the south was at the same elevation as the site East: The land immediately land to the east was at the same elevation as the site, but the land to the east gently slopes upward. West: Beyond Basingstoke Road, the land to the west rises in elevation locally to form an embankment approximately 4m high. Land generally slopes down to the west.
Other Information Environmentally sensitive areas (e.g. SSSI)	The Envirocheck report (Appendix B) indicates that the site lies within a Nitrate Vulnerable Zone. One area of Ancient Woodland was identified 959m east of the site. The Envirocheck report indicates that there are none of the following within 1km of the site; 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, National Parks, Nitrate Sensitive Areas, Ramsar Sites, Sites of Special Scientific Interest, Special Areas of Conservation, Special Protection Areas and World Heritage Sites.
Surface Water Features and Surface Water Abstractions	A surface water course is shown on historic maps up to 1974 less than 10m south-east of the site. This feature is not shown on maps from 1983 onwards and may have been relocated or culverted. Thames Water Utility plans obtained in June 2016 indicate a 900mm culverted surface water feature/sewer 10m from the site to the east. The downgradient extent of this surface water course to the west of Basingstoke Road is the nearest surface water feature shown on current maps. It is an unnamed stream located approximately 120m south west of the site. Two ponds are located approximately 200m north of the site. A number of small unnamed bodies of water (drains and ponds) are located approximately 350m south and west of the site. Foundry Brook (a tributary of the River Kennet) is located approximately 1km to the west. No surface water abstractions are reported within 1km of the site. One (1) surface water abstraction was recorded as located 1.6km south west of the site for general agricultural spray irrigation purposes.
Flood Vulnerability	The site does not lie within an area that is likely to suffer flooding from nearby rivers.

Table K – Site Specific Information – Topography, Hydrology, Hydrogeology and Geology

Made Ground and Superficial Geology	Based on historical investigations (Ref. 2,4, 7), made ground was encountered to a maximum depth of 1.9m bgl (between the shop and the fuel islands) but typically less than 1.2m bgl across the site. The British Geological Survey (BGS) 1:50,000 series map and the BGS on-line Geology of Britain Viewer indicate that the site is not underlain by superficial deposits. The closest boundary to superficial deposits is approximately 600m to the west (River Terrace Deposits). The 2004 GeoDelft site investigation (Ref. 2) and 2011 URS site investigation (Ref. 7) encountered a layer of silt beneath the Made Ground 0.6m and 0.4m thick, respectively (one borehole in each investigation). It is thought however, that this could be top of the solid geology (London Clay).
Solid Geology	The BGS on-line Geology of Britain Viewer indicates that the site is underlain by the London Clay Formation (Classified by the EA as Unproductive Strata). Stiff grey or orange clay (London Clay) was proven to the maximum depth of investigation (12.0m bgl) during the URS 2011 site investigation (Ref. 7). The base of the formation was not encountered. BGS borehole log SU76NW64 is located approximately 200m southwest of the site and approximately at an elevation of 40.4m AOD. The log shows London Clay Formation to extend to at least 12m bgl (28.4m AOD), underlain by the Reading Beds (silty clay, a unit of the Lambeth Group) to a depth of 38m bgl, which is further underlain by the Seaford Chalk Formation to a depth of at least 150m. The Lambeth Group Clay Formation is classified by the EA as a Secondary A Aquifer, the Seaford Chalk Formation is classified by the EA as a Principal Aquifer. All logs are presented in Appendix C.
Groundwater	Groundwater was not encountered during drilling works in any of the GeoDelft, RSK or URS September site investigations (Ref. 2, 4 and 7, respectively), to a maximum exploratory depth of 12m bgl (31m AOD). BGS log SU76NW64, located approximately 200m southwest of the site and at an elevation of 40.4m AOD reported a resting water level of 6.2m (34.2m AOD) in the London Clay. The water strike was not reported. Based on the physical properties of the London Clay and the absence of groundwater to an elevation of 31m AOD in previous investigations, it is thought that groundwater was struck beneath the London Clay. Topography falls to the west, but regional groundwater flow in the Chalk aquifer at depth is likely to be towards the south or south-east based on local SPZs.
Groundwater Abstractions	Nineteen (19) licensed records of groundwater abstractions were identified within 1km of the site: One (1) Envirocheck record relating to Akeler Developments Ltd for the abstraction of water for 'Business Parks: make-up or top-up water' at Reading International Business Park, under licence number 28/39/22/0601, located 499m south west of the site. Status unknown.

Table K – Site Specific Information – Topography, Hydrology, Hydrogeology and Geology

The following appear to be related to the same brewery, to the west:

- Four (4) Envirocheck records relating to Berkshire Brewery for Heineken Uk Ltd, Scottish & Newcastle Uk Ltd and Scottish Courage Brewing Ltd for the abstraction of water for 'breweries/wine: process water' at Berkshire Brewery, point 'A', under licence number 28/39/22/0614, located approximately 554m south west of the site. Status unknown
- One (1) Envirocheck record relating to Courage Ltd for the abstraction of water for 'brewery' at Berkshire Brewery, under licence 28/39/22/0483, located 577m south west of the site. Status at time of writing: expired.
- One (1) Envirocheck record relating to Scottish Courage Brewing Ltd for the abstraction of water for 'breweries/wine: general use' at Berkshire Brewery, under licence 28/39/22/0556, located 624m south west of the site. Status unknown.
- Two (2) Envirocheck records relating to Heineken Uk Ltd and Scottish & Newcastle Uk Ltd for the abstraction of water for 'breweries/wine: process water' at Berkshire Brewery, point 'E', under licence number 28/39/22/0614, located approximately 662m north west of the site. Status unknown.
- Four (4) Envirocheck records relating to Heineken Uk Ltd, Scottish & Newcastle Uk Ltd and Scottish Courage Brewing Ltd for the abstraction of water for 'breweries/wine: process water' at Berkshire Brewery, point 'C', under licence number 28/39/22/0614, located approximately 750m west of the site. Status unknown.
- One (1) Envirocheck record relating to Scottish Courage Brewing Ltd for the abstraction of water for 'breweries/wine: general use (medium loss)' at Berkshire Brewery, under licence 28/39/22/0556, located 839m west of the site. Status unknown.
- Four (4) Envirocheck records relating to Scottish Courage Brewing Ltd for the abstraction of water for 'breweries/wine: process water' at Berkshire Brewery, point 'D', under licence number 28/39/22/0614, located approximately 888m west of the site. Status unknown.
- One (1) Envirocheck record relating to Scottish & Newcastle Uk Ltd for the abstraction of water for breweries/wine: general use (medium loss)' at Berkshire Brewery, under licence 28/39/22/0556, located 929m west of the site. Status unknown.

A further sixteen (16) groundwater abstractions were identified between 1km and 2km of the site, generally relating to 'industrial, commercial and public services- laundry use', 'environmental pump and treat', 'general farming & domestic', 'private water supplies (domestic)', 'general agriculture – spray irrigation', 'laboratory', 'schools and colleges: general farming & domestic', 'general industrial' and 'household private water undertaking: drinking, cooking, sanitary, washing (small garden). There are also two (2) entries for public water supply:

- Both for Thames Water Utilities Ltd at Fobney Pumping Station, under licence 28/39/22/0132, located 1,982m north of the site. Status unknown.

Two private groundwater abstractions have been identified within 2km of the site. Reading Borough Council has confirmed that the private abstractions are situated approximately 2km north and north east of the site, for private drinking water purposes, at Royal Berkshire Hospital, started in 1989, and Reading University, both extracting from the main Chalk aquifer. They stated that there also may be small supplies (to single dwellings) not on their records.

Table K – Site Specific Information – Topography, Hydrology, Hydrogeology and Geology

Source Protection Zones	The 2011 URS Phase 1 Environmental Site Assessment, states that the site was located within a Source Protection Zone (Zone 1), due to a borehole located at the Courage Brewery, approximately 550m southwest of the site. The site is no longer located within a Source Protection Zone. It is assumed that the abstraction is no longer active or may no longer be operating.
Other Information Coal Mining; Radon; Ground Stability Hazards; Landslides.	The site was considered to not be located in an area likely affected by coal mining or Radon gas. The Envirocheck report gives the following information regarding ground stability hazards: • Collapsible ground – very low. • Landslide – very low. • Running sand – very low. • Shrink-swell clays – low. • Non-coal mining – no hazard. • Compressible ground – no hazard. • Ground dissolution – no hazard.

3. PRELIMINARY CONCEPTUAL SITE MODEL AND RISK ASSESSMENT

A preliminary conceptual site model (CSM) and risk assessment (PRA) has been completed for the site. This identifies the potential sources, pathways, and receptors for the site, in order to assess the potential risks posed by identified Potential Sources to Human Health and / or Controlled Waters Receptors. When required, the viability of the Source-Pathway-Receptor pollutant linkage must be evaluated further to determine whether an actual risk is present.

The methodology adopted in this report is based upon the UK Defra and EA "best practice" in regard to the assessment of contaminated land. The approach taken reflects that promoted in CLR11 (Ref 8) and R&D Publication 66 (Ref 9) and the supporting guidance referenced within them.

3.1 Potential Sources

On-site - Historical

- Historical use of the site as a petrol filling station since c.1974, possibly earlier.

On-site - Current

- Operational underground storage tanks serving the car forecourt and HGVs (no information regarding historic /decommissioned storage tanks beneath the site).
- AdBlue tank to the east of the site shop
- Accidental releases to ground from off-set fill points, located to the north of the forecourt.
- Accidental releases to ground from dispenser pumps:
- Accidental releases from fuel lines present between the tanks, off-set fill points and fuel islands.
- The operational forecourt interceptor located centrally next to the shop, with associated drainage lines.
- Made Ground.

3.2 Chemicals of Potential Concern (COPC)

- TPH - Petroleum hydrocarbons.
- BTEX - Benzene, toluene, ethylbenzene and xylenes.
- Petroleum Additives - Methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), and tertiary butyl alcohol (TBA).
- PAHs - Polycyclic aromatic hydrocarbons.
- Metals – arsenic, boron, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium and zinc.
- 2-methylnaphthalene and n-hexane.
- AdBlue

3.3 Potential Pathways

Human Health - Vapours

USEPA Guidance (Ref. 10 and 11) has been used to determine potential vapour intrusion receptors that require assessment.

The site shop has been assessed primarily as a vapour receptor for potential acute risks, however chronic risks to site workers have also been considered.

The following factor is present at the site which precludes the use of the USEPA Guidance for assessing vapour intrusion risks:

- Utility drawings show drains/sewers connecting potential sources and receptors which may act as preferential pathways.

Human Health – Other pathways

- Particulate – Ingestion, inhalation, dermal contact, with soil particulates.
- Permeation – Migration of hydrocarbon substances through plastic potable water supply pipes.

Controlled Waters

- Leaching – Migration of hydrocarbon substances from soils into perched water (if present) / groundwater.
- Migration of impacted perched water (if present) to potentially culverted stream and its downgradient continuation located approximately 120m south west of the site.
- Migration of impacted shallow perched water (if perched) or groundwater.

3.4 Potential Receptors - Human Health

The potential receptors include;

- On-site shop staff.
- On-site general public and visiting staff (such as contractors, including those conducting excavation works).
- Off-site resident in properties 10m to the north and 15m east of the site.
- Off-site current construction/future commercial land use site located immediately to the south of the site.

Given the precluding factors noted in **Section 3.3**, application of the USEPA for assessing vapour risk from retail petrol stations is not appropriate for this site. Therefore a 30m lateral screening distance has been applied to screen buildings in or out for further assessment.

The house 10m to the north and 15m east of site, and current construction/future commercial land use adjacent to the south therefore have been screened in for further assessment.

The site shop has been assessed as a potential vapour receptor for potential acute risks only since chronic risks to site workers are addressed by occupational Health & Safety controls that are outside the scope of this report and are addressed by Shell's H&S management system. No indicators of acute risk were reported from the Phase 1 walkover, such as reported of hydrocarbon odours within the site shop or adjacent buildings, or the presence of NAPL within sumps or service runs in buildings.

3.5 Potential Receptors -Controlled Waters

- Groundwater within the Lambeth Group (Secondary A Aquifer)
- Groundwater within the Chalk (Principal Aquifer)
- Surface water:
 - unnamed stream culverted 10m from site to the east, and its downstream continuation located approximately 120m south west of the site.

- two ponds located approximately 200m north of the site.
- a number of small unnamed bodies of water (drains and ponds) located approximately 350m south and west of the site).

3.6 Review of Potential Source-Pathway-Receptor Linkages

The following pollutant linkages were evaluated given continued oil use. The Initial Conceptual Site Model is presented in **Figure 4**.

Table L – Human Health CSM			
Source	Pathway	Receptor	Likelihood of Pollutant Linkage Presenting an Unacceptable Risk
Potentially impacted soils / perched water (if present) /groundwater from the site	Vapours - Lateral and vertical vapour migration through made ground to above ground on- and off-site buildings and subsequent inhalation.	On-site shop staff, visiting staff and general public.	Potential linkage.
		Off-site workers in current construction site (possible future commercial land use) adjacent to the south.	
		Residents of properties 10m north and 12m east of the site.	
	Particulate - Ingestion, inhalation, dermal contact with soil particulates.	On-site shop staff, visiting staff and general public.	Unlikely – The areas of open ground are not designed for recreational use and unlikely to be used regularly by site staff or visitors for that purpose.
		Visiting on-site contractors excavating ground.	Possible*
	Permeation – Migration of hydrocarbon substances through plastic potable water supply pipes.	On-site shop staff (ingestion of drinking water on-site).	Potential linkage.

* Potential risks to visiting contractors undertaking intrusive works should be managed by appropriate PPE, risk assessment and method statements. Risks to visiting contractors excavating the ground were therefore not assessed within the scope of the DQRA.

Table M – Controlled Waters CSM

Source	Pathway	Receptor	Likelihood of Pollutant Linkage Presenting an Unacceptable Risk
Potentially impacted soils / perched water (if present) / groundwater from the site and identified potential off-site sources.	- Partitioning between soil and pore water. - Leaching of impacted soils into perched water (if present) - Lateral or vertical migration of impacted perched water (if present).	Lambeth Group (Secondary A aquifer) and Chalk (Principal aquifer).	Unlikely – The London Clay has been proven to a depth of 12m and would act as an aquitard.
		Surface water: unnamed stream culverted 10m from the site (east) and its downgradient continuation located approximately 120m south west of the site.	Potential linkage.
		Surface water: - two ponds located approximately 200m north of the site - a number of small unnamed bodies of water (drains and ponds) located approximately 350m south and west of the site.	Unlikely based on the distance from site.

4. CONCLUSIONS

The site is located in an area of mixed residential and commercial land use. The site was operated as a garage from 1974 or earlier.

Seven (7) active tank compartments at the site housed in six (6) vessels were identified at the site in addition to one (1) above ground LPG tank. The Petroleum Officer's (PO) report indicates that underground storage tanks have been present at the site since at least 1975. In 1981 additional tanks were installed. In 1987 an additional vessel (with two tank compartments (T4-5)) was installed. Based on this, it is thought that the remaining operational tanks (T1-3 and T6-7) were installed in two stages; pre 1975 and 1981. All tanks were relined in 2007 when the site was redeveloped.

Information supplied by the Petroleum Officer indicated there have been no major accidental releases at the site however in 2006 water was discovered inside tank 7 and was thought to be was damaged below ground level. The tank was subsequently repaired. No loss volume has been confirmed. In 2013 and 2014 the VR2 line below pumps 5&6 and 7&8 failed testing.

The site geology comprises bedrock deposits of London Clay Formation (unproductive strata), underlain by the Lambeth Group Formation (Secondary A Aquifer), further underlain by the Seaford Chalk Formation (Primary Aquifer).

The nearest surface water feature is a possible culverted stream 10m east of the site, with its downstream continuation located approximately 120m south west of the site.

Groundwater was not encountered to the maximum extent of investigation (12m) during the 2011 URS CESA. The site is not located within a Source Protection Zone (SPZ). BGS log SU76NW64 (200m southwest and at 40.4m AOD) reported a resting water level of 6.2m (34.2m AOD) in the London Clay. The water strike was not reported. Based on the physical properties of the London Clay and the absence of groundwater to an elevation of 31m AOD in previous investigations, it is thought that groundwater was struck beneath the London Clay.

The preliminary risk assessment identified a number of potential pollutant linkages, summarised as follows:

Human Health

- Potentially impacted shallow soils / perched water (if present) / groundwater, followed by vapour migration and inhalation by on-site shop staff, site users and visitors, off-site commercial workers, and off-site residents.
- Potentially impacted soils / perched water (if present) / groundwater, followed by soil particulate dermal contact, inhalation or ingestion by visiting contractors excavating the ground.
- Potentially impacted soils / perched water (if present) / groundwater, followed by permeation through plastic pipes into the site potable water supply.

Controlled Waters

- Potentially impacted soils/groundwater from the site, followed by migration of impacted groundwater to the unnamed stream culverted 10m from the site (east) and its downgradient continuation located approximately 120m south west of the site).

5. REFERENCES

- Ref. 1 GeoDelft, Tier 1 Soil Gas Survey, C2336.SG034.7743, February 2004
- Ref. 2 GeoDelft, Geo-Environmental Investigation, C2336.SG034, dated June 2004
- Ref. 3 RSK Group Plc, Preliminary Investigation Report, January 2007
- Ref. 4 RSK Group Plc, Comprehensive ESA Final Report, 310413-R1(00), May 2007
- Ref. 5 RSK Group Plc, Soil Verification Report during site redevelopment, 310396-R1(02), April 2008
- Ref. 6 URS, Phase I Environmental Site Assessment, R46370032-001 / Issue No. 2, December 2011.
- Ref. 7 URS, Comprehensive Environmental Site Assessment, R46370032-002 Issue No.2, dated December 2011.
- Ref. 8 Model Procedures for the Management of Land Contamination, Contaminated Land Report (CLR) 11, Environment Agency & DEFRA, Dated September 2004.
- Ref. 9 Guidance for the Safe Development of Housing on Land Affected by Contamination, R&D Publication 66: 2008 (Volume 1), NHBC and the Environment Agency 2008.
- Ref. 10 Technical Guide For Addressing Petroleum Vapor Intrusion At Leaking Underground Storage Tank Sites, EPA 510-R-15-001. USEPA. June 2015.
- Ref. 11 USEPA. OSWER Technical Guide For Assessing And Mitigating The Vapor Intrusion Pathway From Subsurface Vapor Sources To Indoor Air, Office of Solid Waste and Emergency Response, June 2015

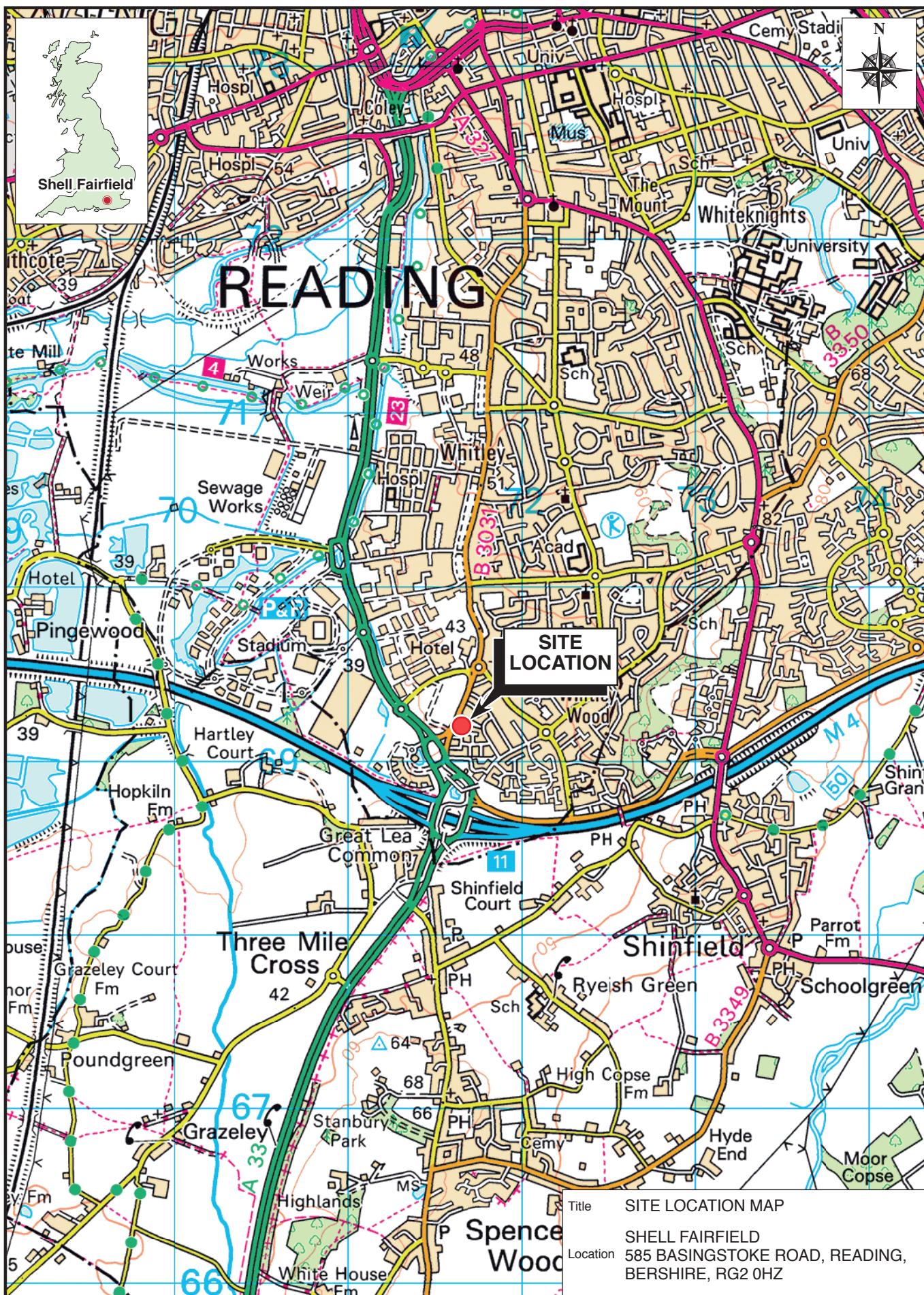
FIGURES

Figure 1 - Site Location Map

Figure 2 - Red Line Boundary Plan

Figure 3 - Site Features Plan

Figure 4 - Initial Conceptual Site Model



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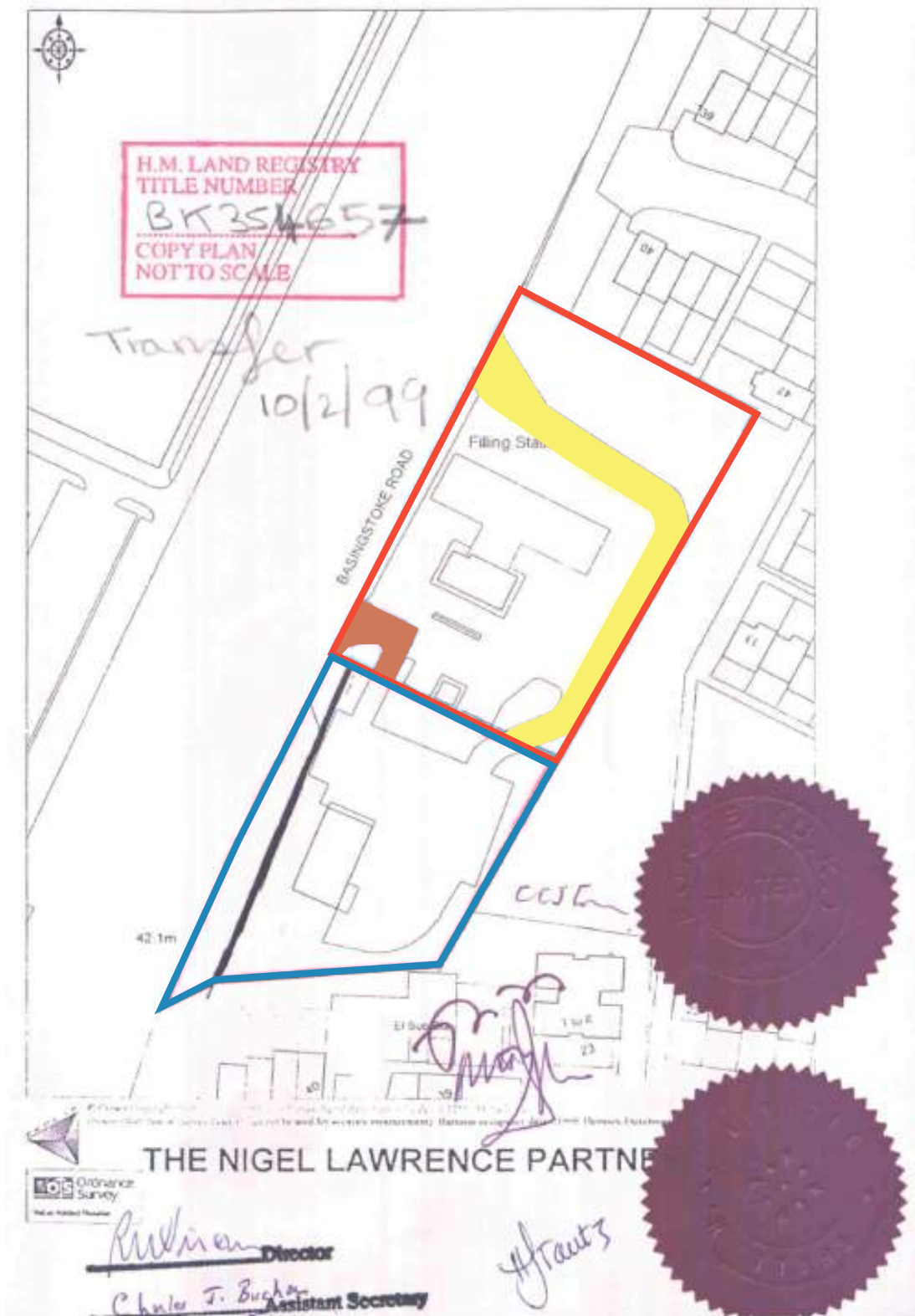
Title SITE LOCATION MAP

Location SHELL FAIRFIELD
585 BASINGSTOKE ROAD, READING,
BERSHIRE, RG2 0HZ

Client SHELL UK OIL LTD

AECOM

App'd:	Drawn:	Date:
BS	AM	JULY 2016
FINAL	Ref:	BS/AM/WIMB
Scale:	Job No:	60506034
AS SHOWN		
Drg. Size:		FIGURE 1
A4		



KEY:



SHELL DEMISE



EXIT FROM THE ADJOINING LAND



ADJOINING LAND DEMISE



ENTRANCE TO THE ADJOINING LAND

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Title RED LINE BOUNDARY PLAN

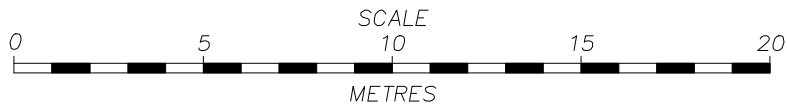
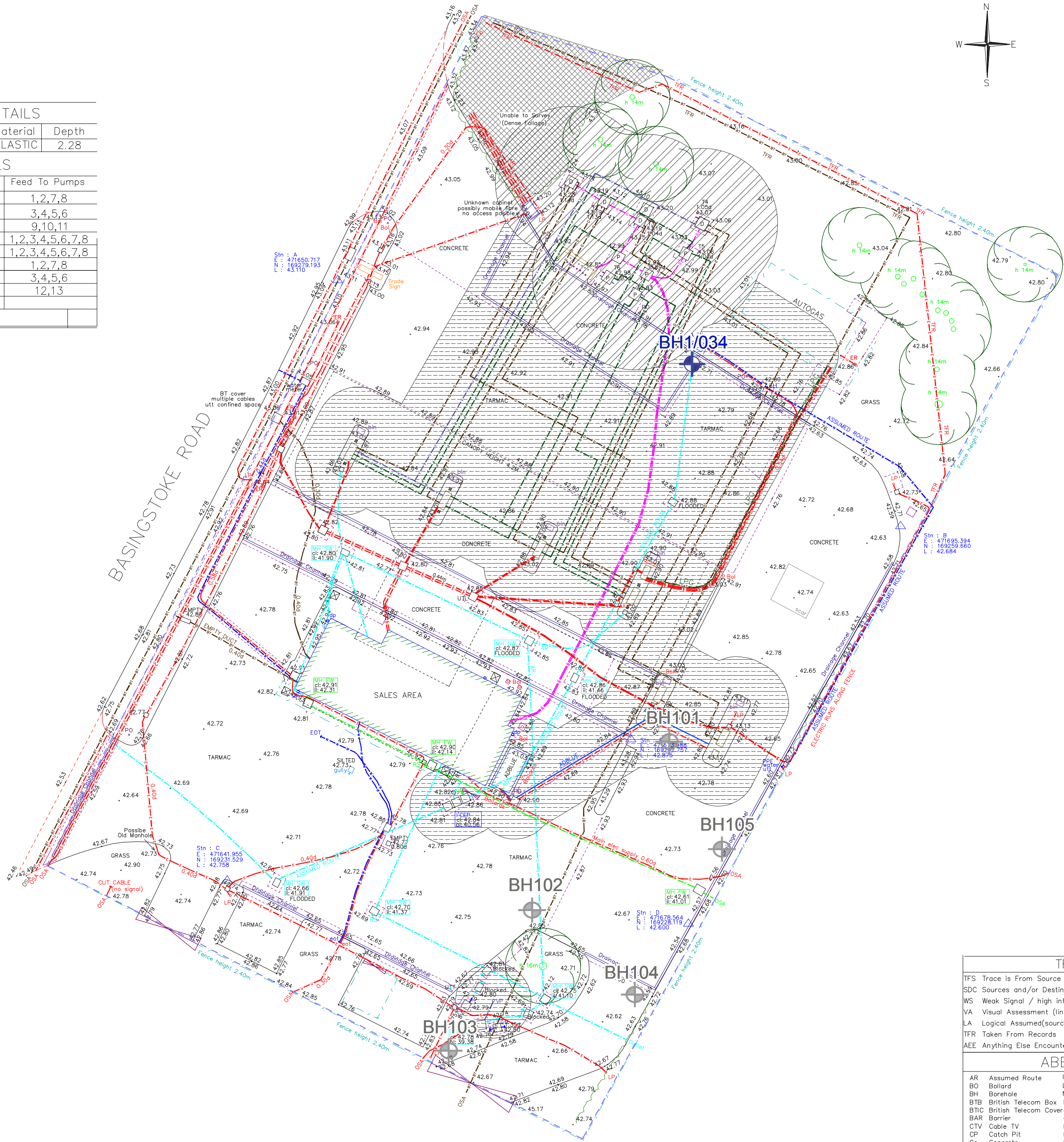
Location SHELL FAIRFIELD
585 BASINGSTOKE ROAD, READING,
BERSHIRE, RG2 0HZ

Client SHELL UK OIL PRODUCTS LTD

AECOM

App'd: BS	Drawn: AM	Date: JULY 2016
FINAL		Ref: BS/AM/WIMB
Scale: NTS	Job No: 60506034	
Drg. Size: A4	FIGURE 2	

INTERCEPTOR DETAILS				
Type	Condition	Size	Material	Depth
I'CEP	OK		PLASTIC	2.28
TANK DETAILS				
Tank No.	Fuel Type	Capacity	Feed To Pumps	
1	DIESEL	35,276	1,2,7,8	
2	DIESEL	35,276	3,4,5,6	
3	DIESEL	35,276	9,10,11	
4	VP DIESEL	12,500	1,2,3,4,5,6,7,8	
5	VPOWER	12,500	1,2,3,4,5,6,7,8	
6	UNLEADED	27,276	1,2,7,8	
7	UNLEADED	27,276	3,4,5,6	
8	LPG	4t	12,13	
REV	DATE			



TRACE CODES		
TFS Trace is From Source to destination with visual evidence to confirm		
SDC Sources and/or Destination are Concealed		
WS Weak Signal / high interference		
VA Visual Assessment (line of site perhaps scarring)		
LA Logical Assumed(source & destination exist, line added without trace)		
TFR Taken From Records		
AEE Anything Else Encountered		
ABBREVIATIONS		
AR Assumed Route	IC Inspection Cover	UTR Unable to Raise
BO Ballard	LP Lamp Post	UTS Unable to Survey
BH Borehole	MH Manhole Cover	UTT Unable to Trace
BTB British Telecom Box	MW Monitoring Well	VR Vapour Recovery
BTIC British Telecom Cover	OH Overhead Service	VP Vent Pipe
BAR Barrier	OSA Off Survey Area	WM Water Meter
CTV Cable TV	PR Pipe Riser	UK Unknown
CP Catch Pit	PO Post	JB Junction Box
Co Concrete	RWP Rain Water Pipe	
CL Cover Level	RS Rod stop	
D Depth Of MH / IC	RE Rodding Eye	
DP Down Pipe	S/A Soakaway	
ER Earth Rod	ST Stop Tap	
EIC Electricity IC	SV Sluice Valve	
EP Electricity Pole	SVP Soil Vent Pipe	
EOT End of Trace	SVS Soil Vapour Sample	
FH Fire Hydrant	TFR Taken From Records	
GV Gas Valve	TP Telegraph Pole	
G Gully	UTL Unable to Locate	

KEY	
P	FUEL LINE - PETROL
D	FUEL LINE - DIESEL
E	ELECTRICITY CABLE
EH	HIGH VOLTAGE ELECTRICITY CABLE
G	TANK GAUGE LINE OR COMMS CABLE
OF	OFF-SET FILL
V	VENT PIPE
OIL	OIL PIPE
cctv	CLOSE CIRCUIT TV
BT	BT CABLE
CATV	CABLE TELEVISION
GAS	GAS
W	WATER SUPPLY PIPE
F	FOUL WATER DRAIN
S	SURFACE WATER DRAIN
MD	MULTI DUCT
U	UNIDENTIFIED - SEE NOTES
	END OF TRACE
	HISTORICAL DATA(REMOVED/ABANDONED)
	BUILDING
	CANOPY OUTLINE
MH	MANHOLE
	PILLAR
	DO NOT DRILL
	CRITICAL AREA
	UNABLE TO SURVEY
SCAR	SCAR OUTLINE
T	TANK P=PETROL D=DIESEL
BH	BH LOCATION
	SURVEY BOUNDARY
	Concrete Hedge
	Channel
	Kerb
	Drop kerb
	Wall
	Verge
	Top of bank
	Bottom of bank
	Historical 2004 GeoDelft borehole - not installed
	Historical 2011 URS borehole - not installed

Exploratory locations from 2008 RSK Verification Report (Ref. 5) are not shown

NOTES
- CANOPY HEIGHT IS 4.20 MTS.
WATER
-UNABLE LOCATE PLASTIC WATER PIPES
FUEL LINES, VENT PIPES & OFFSETS.
-UNABLE TO LOCATE FUEL, VENT AND OFFSET LINES - ASSUMED PLASTIC.

CONSULTING ENGINEERS

AECOM

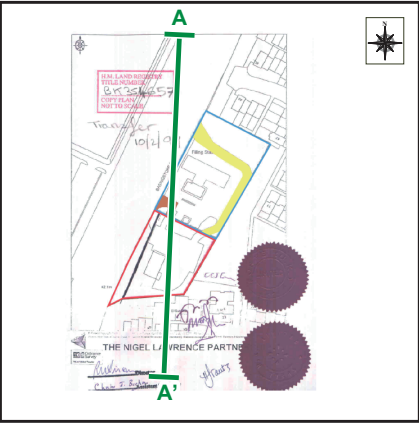
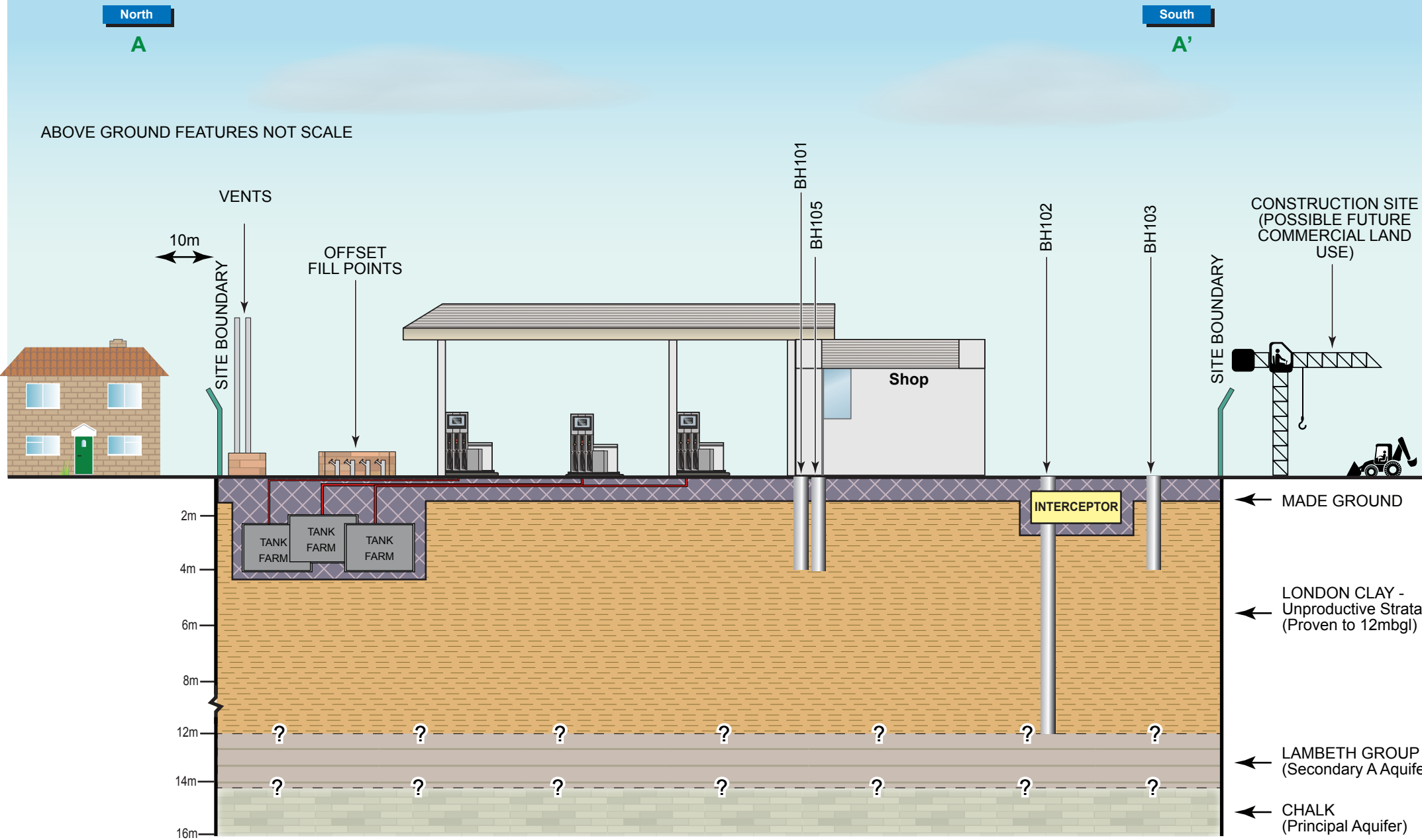
AECOM Infrastructure & Environment UK LTD
St George's House, 3rd Floor
5 St George's Road, Wimbledon, London SW19 4DR
Tel :020 7963 9800 Fax: 020 7963 9801

CLIENT
SHELL UK OIL PRODUCTS LTD

PROJECT
SHELL, FAIRFIELD, READING BERKSHIRE RG2 0TA

DRAWING TITLE
FIGURE 3 - SITE FEATURES PLAN (Sub-scan Drawing)

DRAWN	TRACED	CHECKED	APPROVED	DATE
AM		BS	EP	JULY 2016
SCALE	DRG NO.			REV.
NTS	60506034			



NOTE:

- Shallow Perched Water may be present.
- Groundwater not present in URS 2011 CESA to a depth of 12m
- BGS log SU76NW64 (200mbgl) reported resting groudwater at a depth which (based on relative elevations) would indicate is at ~6.2m beneath site (in London Clay). The water strike was not reported based on physical properties of the London Clay, it is thought that groundwater was struck beneath the London Clay
- 2011 CESA boreholes shown - not installed.

POTENTIAL SOURCES

- On-site - Historical**
- Historical use of the site as a petrol filling station since c.1974, possibly earlier.
- On-site - Current**
- Operational underground storage tanks serving the car forecourt and HGVs (No information regarding historic /decommissioned storage tanks beneath the site).
 - AdBlue tank to the east of the site shop
 - Accidental releases to ground from off-set fill points, located to the north of the forecourt.
 - Accidental releases to ground from dispenser pumps:
 - Accidental releases from fuel lines present between the tanks, off-set fill points and fuel islands.
 - The operational forecourt interceptor located centrally next to the shop, with associated drainage lines.
 - Made Ground.

CHEMICALS OF POTENTIAL CONCERN (CPOC)

- TPH - Petroleum hydrocarbons.
- BTEX - Benzene, toluene, ethylbenzene and xylenes.
- Petroleum Additives - Methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), and tertiary butyl alcohol (TBA).
- PAHs - Polycyclic aromatic hydrocarbons.
- Metals – arsenic, boron, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium and zinc.
- 2-methylnaphthalene and n-hexane.
- AdBlue

POTENTIAL PATHWAYS

- Human Health**
- Vapours- Migration of hydrocarbon vapours through made ground to above ground buildings.
 - Particulate – Ingestion, inhalation, dermal contact, with soil particulates.
 - Permeation – Migration of hydrocarbon substances through plastic potable water supply pipes.
- Controlled Waters**
- Leaching – Migration of hydrocarbon substances from soils into groundwater.
 - Migration of impacted shallow groundwater.

POTENTIAL RECEPTORS

- Human Health**
- On-site shop staff.
 - On-site general public and visiting staff (such as contractors, including those conducting excavation works).
 - Off-site resident in properties 10m to the north and 15m east of the site.
 - Off-site current construction/future commercial land use site located immediately to the south of the site.
- Controlled Waters**
- Groundwater within the Lambeth Group (Secondary A Aquifer)
 - Groundwater within the Chalk (Principal Aquifer)
 - Surface water:
 - unnamed stream culverted 10m from site to the east, and its downstream continuation located approximately 120m south west of the site.
 - Two ponds located approximately 200m north of the site
 - A number of small unnamed bodies of water (drains and ponds) located approximately 350m south and west of the site.

POTENTIAL COMPLETE POLLUTANT LINKAGES

- Human Health**
- Potentially impacted shallow soils / perched water (if present) / groundwater, followed by vapour migration and inhalation by on-site shop staff, site users and visitors, off-site commercial workers, and off-site residents.
 - Potentially impacted soils / perched water (if present) / groundwater, followed by soil particulate dermal contact, inhalation or ingestion by visiting contractors excavating the ground.
 - Potentially impacted soils / perched water (if present) / groundwater, followed by permeation through plastic pipes into the site potable water supply.
- Controlled Waters**
- Potentially impacted soils/groundwater from the site, followed by migration of impacted groundwater to the unnamed stream culverted 10m from the site (east) and its downgradient continuation located approximately 120m south west of the site).

CONSULTING ENGINEERS



AECOM Infrastructure & Environment UK LTD
St George's House, 3rd Floor
5 St George's Road, Wimbledon, London SW19 4DR
Tel :020 7963 9800 Fax: 020 7963 9801

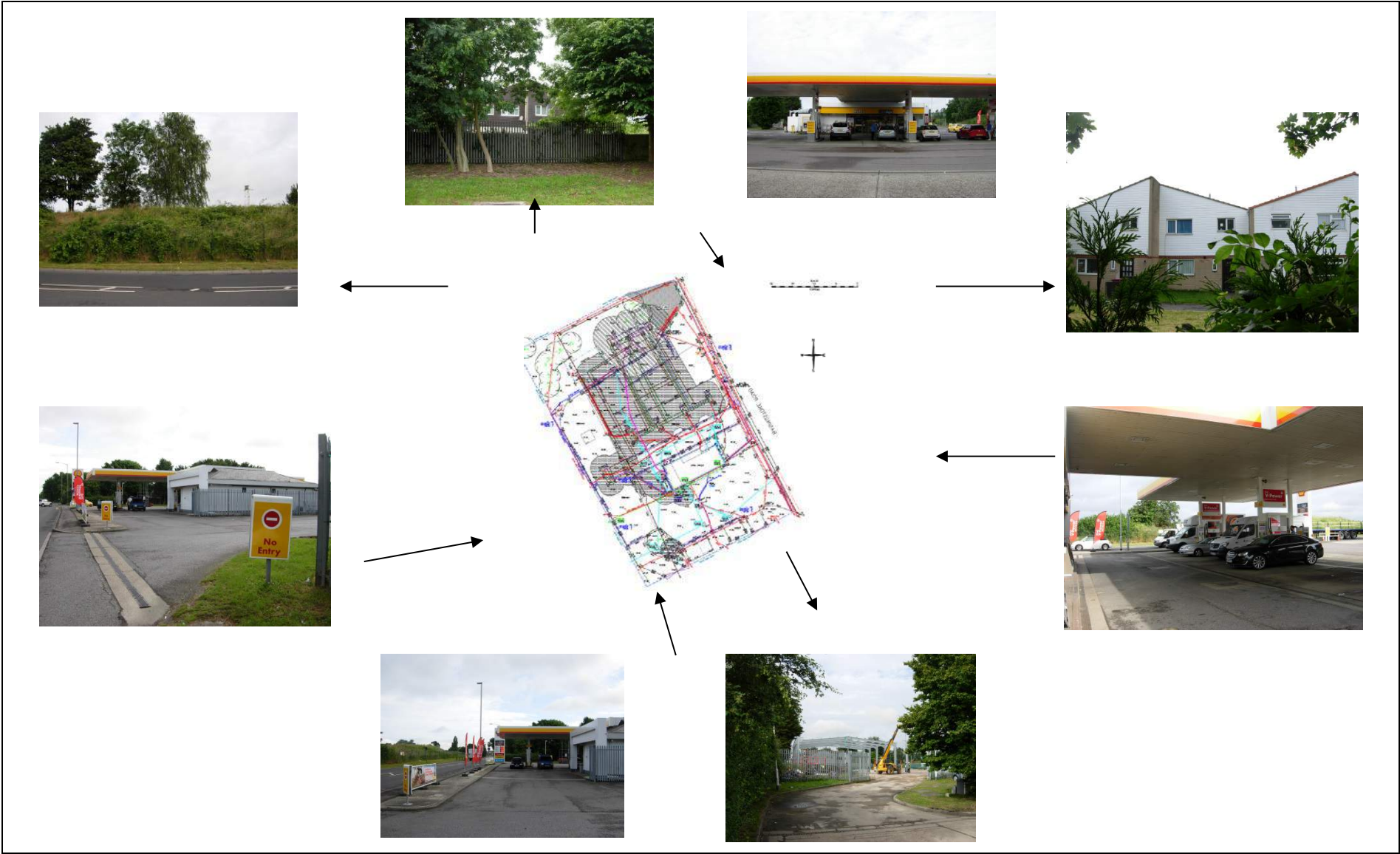
CLIENT
SHELL UK OIL PRODUCTS LTD

PROJECT
SHELL, FAIRFIELD, READING
BERKSHIRE RG2 0TA

DRAWING TITLE
FIGURE 4 –
CONCEPTUAL SITE MODEL

DRAWN LCH/AM	TRACED JT	CHECKED BS	APPROVED EP	DATE JULY 2016
SCALE NTS	DRG NO. 60506034	REV.		

APPENDIX A PHOTOGRAPHS



			
	Photograph No: 1		Description: Site forecourt, aspect is south
			
	Photograph No: 2		Description: LPG Compound in north east part of site



Photograph No: 3

Description: Tank Farm location adjacent to northern boundary



Photograph No: 4

Description: AdBlue above ground tank to the east of the site shop



Photograph No: 5

Description: Offset fill points and vent stack to the north of the forecourt



Photograph No: 6

Description: 3-stage interceptor adjacent to the south east corner of the shop



Photograph No: 7

Description: Area marked on PPG21 as location of second interceptor.



Photograph No: 8

Description: Air and water area adjacent to the tank farm in the north of the site



Photograph No: 9

Description: View of shop front, aspect is south west



Photograph No: 10

Description: Area of trees to the north of the tank farm.

Off-Site Receptors			
			
	Photograph No: 11		Description: Residential properties to the east of the site.
			
	Photograph No: 12		Description: Construction site to the south of the site

	Off-Site Receptors			
				
	Photograph No: 13		Description: Residential properties to the north of the site.	
				
	Photograph No: 14		Description: Open ground to west of site.	

APPENDIX B ENVIROCHECK REPORT

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

87325704_1_1

Customer Reference:

Fairfield

National Grid Reference:

471670, 169260

Slice:

A

Site Area (Ha):

0.39

Search Buffer (m):

1000

Site Details:

Shell Service Station

Basingstoke Road

READING

RG2 0TA

Client Details:

Miss K Mellor

Aecom Infrastructure & Environment UK Ltd

2nd Floor, St Georges House

5 St Georges Road

London

SW19 4DR

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	23
Hazardous Substances	-
Geological	25
Industrial Land Use	27
Sensitive Land Use	45
Data Currency	46
Data Suppliers	52
Useful Contacts	53

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

Report Version v50.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility					n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			1	7
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 2			4	
Integrated Pollution Prevention And Control	pg 3			10	2
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 6			1	4
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 7		Yes		
Pollution Incidents to Controlled Waters	pg 7		1	8	6
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 10			1	18 (*17)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 18	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 18	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			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
Detailed River Network Lines	pg 19		Yes	Yes	n/a
Detailed River Network Offline Drainage	pg 22			Yes	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 23				1
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 23				4
Local Authority Landfill Coverage	pg 23	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 24				1
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 24		1	8	5
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
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 25	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 25	Yes	Yes		Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			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 26	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 26	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 26	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 27	1	7	16	76
Fuel Station Entries	pg 35	1		1	
Points of Interest - Commercial Services	pg 35			3	27
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 38		2	7	36
Points of Interest - Public Infrastructure	pg 41	3		1	3
Points of Interest - Recreational and Environmental	pg 42			6	16
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	pg 45				1
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					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 45	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Scottish Courage Brewing Ltd Property Type: Brewing & Malting Location: The Berkshire Brewery, Imperialway, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CATM.3207 Permit Version: 1 Effective Date: 15th April 1998 Issued Date: 15th April 1998 Revocation Date: 25th April 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Smallmead Ditch Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	427	3	471270 169000
2	Discharge Consents Operator: Scottish Courage Brewing Ltd Property Type: Brewing & Malting Location: Berkshire Brewery, Imperial Way, Reading, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CATM.3206 Permit Version: 1 Effective Date: 15th April 1998 Issued Date: 15th April 1998 Revocation Date: 10th March 2014 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Three Mile Cross Stream Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	559	3	471120 169000
2	Discharge Consents Operator: Scottish Courage Brewing Ltd Property Type: Brewing & Malting Location: Berkshire Brewery, Imperial Way, Reading, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Cntm.1061 Permit Version: 1 Effective Date: 10th September 1993 Issued Date: 10th September 1993 Revocation Date: 1st October 1996 Discharge Type: Miscellaneous Discharges - Mine / Groundwater As Raised Discharge: Freshwater Stream/River Environment: Receiving Water: Three Mile Cross Stream Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	577	3	471100 169000
2	Discharge Consents Operator: Courage Brewery Ltd Property Type: Brewing & Malting Location: Berkshire Brewery, Imperial Way, Reading, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctr.2233 Permit Version: 1 Effective Date: 29th January 1985 Issued Date: 29th January 1985 Revocation Date: 10th September 1993 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Three Mile Cross Stream Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	577	3	471100 169000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Heineken Uk Limited Property Type: Brewing & Malting Location: Scottish Courage Ltd The Berkshire Brewery Imperial Way Reading Rg2 0pn Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cawm.0867 Permit Version: 1 Effective Date: 26th August 2004 Issued Date: 15th November 2004 Revocation Date: 10th January 2011 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: The Smallmead Ditch Status: Revoked under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	705	3	471050 169650
4	Discharge Consents Operator: Scottish Courage Brewing Ltd Property Type: Brewing & Malting Location: The Berkshire Brewery, Imperialway, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Ctwc.1558 Permit Version: 1 Effective Date: 27th March 1987 Issued Date: 27th March 1987 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Smallmead Ditch Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	815	3	470900 169600
5	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Great Lea Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1044 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 19th August 2014 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lea Dairy Stream Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	892	3	471000 168600
5	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Great Lea Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1044 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lea Dairy Stream Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	892	3	471000 168600
6	Integrated Pollution Controls Name: Scottish And Newcastle Uk Ltd Location: Berkshire Brewery, Imperial Way, READING, Berkshire, RG2 0PN Authority: Environment Agency, Thames Region Permit Reference: AU9608 Dated: 6th March 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (W)	328	3	471305 169289

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Integrated Pollution Controls Name: Scottish And Newcastle Uk Ltd Location: Berkshire Brewery, Imperial Way, READING, Berkshire, RG2 0PN Authority: Environment Agency, Thames Region Permit Reference: AA8508 Dated: 29th May 1992 Process Type: IPC new application Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (W)	333	3	471300 169289
6	Integrated Pollution Controls Name: Scottish And Newcastle Uk Ltd Location: Berkshire Brewery, Imperial Way, READING, Berkshire, RG2 0PN Authority: Environment Agency, Thames Region Permit Reference: BD5194 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (W)	334	3	471300 169294
6	Integrated Pollution Controls Name: Courage Ltd Location: Berkshire Brewery, Imperial Way, READING, RG2 0PN Authority: Environment Agency, Thames Region Permit Reference: AG1441 Dated: 3rd August 1992 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Application received by HMIP but is not yet authorisedNot Yet Authorised Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (W)	334	3	471300 169294
7	Integrated Pollution Prevention And Control Name: Heineken Uk Ltd Location: Berkshire Brewery, Reading, Imperial Way, Basingstoke Road,,, Reading, Berkshire, RG2 0PN Authority: Environment Agency - South East Region, West Thames Area Permit Reference: NP3339FS Original Permit Ref: Bp5344ih Effective Date: 25th July 2011 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: N	A12NE (W)	429	3	471212 169338
7	Integrated Pollution Prevention And Control Name: Heineken Uk Ltd Location: Berkshire Brewery, Reading, Imperial Way, Basingstoke Road,,, Reading, Berkshire, RG2 0PN Authority: Environment Agency - South East Region, West Thames Area Permit Reference: NP3539FX Original Permit Ref: Tp3834tj Effective Date: 25th July 2011 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N	A12NE (W)	429	3	471212 169338

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Integrated Pollution Prevention And Control Name: Heineken Uk Ltd Location: Berkshire Brewery, Reading, Imperial Way, Basingstoke Road,,, Reading, Berkshire, RG2 0PN Authority: Environment Agency - South East Region, West Thames Area Permit Reference: TP3834TJ Original Permit Ref: Tp3834tj Effective Date: 15th June 2010 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A12NE (W)	429	3	471212 169338
7	Integrated Pollution Prevention And Control Name: Heineken Uk Ltd Location: Berkshire Brewery, Reading, Imperial Way, Basingstoke Road,,, Reading, Berkshire, RG2 0PN Authority: Environment Agency, Thames Region Permit Reference: TP3834TJ Original Permit Ref: Tp3834tj Effective Date: 15th June 2010 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N	A12NE (W)	429	3	471212 169338
7	Integrated Pollution Prevention And Control Name: Dalkia Utilities Services Plc Location: Berkshire Brewery, Reading, Imperial Way, Basingstoke Road,,, Reading, Berkshire, RG2 0PN Authority: Environment Agency - South East Region, West Thames Area Permit Reference: ZP3339XK Original Permit Ref: Zp3635sb Effective Date: 20th December 2007 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N	A12NE (W)	429	3	471212 169338
7	Integrated Pollution Prevention And Control Name: Dalkia Utilities Services Plc Location: Berkshire Brewery, Imperial Way, Reading, RG2 0PN Authority: Environment Agency, Thames Region Permit Reference: ZP3339XK Original Permit Ref: Zp3635sb Effective Date: 20th December 2007 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A12NE (W)	429	3	471212 169338

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Integrated Pollution Prevention And Control Name: Scottish & Newcastle Uk Limited Location: Berkshire Brewery, Reading, Imperial Way, Basingstoke Road,,, Reading, Berkshire, RG2 0PN Authority: Environment Agency - South East Region, West Thames Area Permit Reference: BP5344IH Original Permit Ref: Bp5344ih Effective Date: 20th February 2006 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: N Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A12NE (W)	429	3	471212 169338
7	Integrated Pollution Prevention And Control Name: Dalkia Utilities Services Plc Location: Berkshire Brewery, Reading, Imperial Way, Basingstoke Road,,, Reading, Berkshire, RG2 0PN Authority: Environment Agency - South East Region, West Thames Area Permit Reference: ZP3635SB Original Permit Ref: Zp3635sb Effective Date: 20th February 2006 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y	A12NE (W)	429	3	471212 169338
7	Integrated Pollution Prevention And Control Name: Scottish & Newcastle Uk Limited Location: Berkshire Brewery, Reading, Imperial Way, Basingstoke Road,,, Reading, Berkshire, RG2 0PN Authority: Environment Agency, Thames Region Permit Reference: Bp5344ih Original Permit Ref: Bp5344ih Effective Date: 20th February 2006 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: N Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A12NE (W)	429	3	471212 169338
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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Integrated Pollution Prevention And Control Name: Heineken Uk Ltd Location: Berkshire Brewery, Reading, Imperial Way, Basingstoke Road,,, Reading, Berkshire, RG2 0PN Authority: Environment Agency, Thames Region Permit Reference: NP3539FX Original Permit Ref: Tp3834tj Effective Date: 25th July 2011 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Located by supplier to within 100m Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A12NE (W)	636	3	471000 169330
8	Integrated Pollution Prevention And Control Name: Heineken Uk Ltd Location: Berkshire Brewery, Reading, Imperial Way, Basingstoke Road,,, Reading, Berkshire, RG2 0PN Authority: Environment Agency, Thames Region Permit Reference: NP3339FS Original Permit Ref: Bp5344ih Effective Date: 25th July 2011 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Located by supplier to within 100m Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: N	A12NE (W)	636	3	471000 169330
9	Local Authority Pollution Prevention and Controls Name: Shell Fairfield Location: 585 Basingstoke Road, READING, Berkshire, RG2 0HZ Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/37/98/P2 Dated: 19th July 1999 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	A18SE (N)	340	4	471792 169617
10	Local Authority Pollution Prevention and Controls Name: Renault Trucks Commercials Ltd Location: Bennet Road, Reading, Berkshire, RG2 0QX Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/20/95/P1 Dated: 25th January 1996 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Permitted Positional Accuracy: Manually positioned to the address or location	A18NW (N)	886	4	471378 170142
11	Local Authority Pollution Prevention and Controls Name: Jewson Ltd Location: 468 Basingstoke Road, READING, Berkshire, RG2 0QQ Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/a/91 Dated: 27th November 1992 Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A18NW (N)	954	4	471617 170256

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Local Authority Pollution Prevention and Controls Name: Fraikin Ltd Location: 34 Bennet Road, READING, Berkshire, RG2 0QX Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PA.R.B/15/93 Dated: 16th November 1992 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	970	4	471131 170114
13	Local Authority Pollution Prevention and Controls Name: Cellulair Location: Bennet Road, READING, Berkshire, RG2 0QT Authority: Reading Borough Council, Environmental Health Department Permit Reference: Epa/Par.B/8/92 Dated: 4th January 1996 Process Type: Local Authority Air Pollution Control Description: PG6/32 Adhesive coating Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	982	4	471214 170176
	Nearest Surface Water Feature	A13SW (SW)	117	-	471554 169142
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Whitley Wood, Whitley, READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: No Pollution Found Incident Date: 10th March 1998 Incident Reference: 38152 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	A13SW (S)	223	3	471600 169000
15	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 28th May 1992 Incident Reference: WE920324 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	A18SW (N)	299	3	471600 169595
15	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 9th May 1992 Incident Reference: WE920278 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	A18SW (N)	304	3	471600 169600
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 2nd June 1994 Incident Reference: WE940179 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	A18SW (N)	348	3	471650 169650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Alongside Lower, READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 12th April 1998 Incident Reference: 38271 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	A18SE (N)	394	3	471700 169695
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 1st June 1998 Incident Reference: 38903 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	A18SE (N)	399	3	471700 169700
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 11th January 1991 Incident Reference: WE910023 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	A18SW (N)	397	3	471605 169695
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 8th October 1990 Incident Reference: WE900584 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	A18SW (N)	397	3	471600 169695
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 12th May 1990 Incident Reference: WE900352 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	A18SW (N)	402	3	471600 169700
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 3rd August 1990 Incident Reference: WE900493 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	A17SE (NW)	751	3	471100 169800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 18th September 1995 Incident Reference: WE950381 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	A17SE (NW)	800	3	471000 169750
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 14th October 1993 Incident Reference: WE930350 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	A12NW (W)	831	3	470800 169300
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 26th October 1993 Incident Reference: WE930363 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	A17SE (NW)	892	3	471000 169900
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 3rd December 1992 Incident Reference: WE920641 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	A17NE (NW)	976	3	471100 170100
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: THREE MILE CROSS Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 27th November 1992 Incident Reference: WE920651 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	A8SW (S)	977	3	471500 168250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Water Abstractions Operator: Akeler Developments Ltd Licence Number: 28/39/22/0601 Permit Version: 1 Location: Reading International Business Park Authority: Environment Agency, Thames Region Abstraction: Business Parks: 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: Reading International Business Park Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th November 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	499	3	471320 168840
26	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 28/39/22/0614 Permit Version: 4 Location: Berkshire Brewery - Point 'A' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	554	3	471130 168990
26	Water Abstractions Operator: Scottish & Newcastle Uk Limited Licence Number: 28/39/22/0614 Permit Version: 3 Location: Berkshire Brewery - Point 'A' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th August 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	554	3	471130 168990
26	Water Abstractions Operator: Scottish & Newcastle Uk Limited Licence Number: 28/39/22/0614 Permit Version: 2 Location: Berkshire Brewery - Point 'A' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st January 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	554	3	471130 168990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Water Abstractions Operator: Scottish Courage Brewing Ltd Licence Number: 28/39/22/0614 Permit Version: 1 Location: Berkshire Brewery - Point 'A' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	554	3	471130 168990
26	Water Abstractions Operator: Courage Ltd Licence Number: 28/39/22/0483 Permit Version: Not Supplied Location: Berkshire Brewery, READING Authority: Environment Agency, Thames Region Abstraction: Brewery Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 9550 Yearly Rate (m3): 3000000 Details: Also Process (2186500) Assessment Of Water (1). Chalk (Undifferentiated); Status: Expired 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	A12SE (SW)	577	3	471100 169000
27	Water Abstractions Operator: Scottish Courage Brewing Ltd Licence Number: 28/39/22/0556 Permit Version: 100 Location: Berkshire Brewery Point 'A' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 9550 Yearly Rate (m3): 3000000 Details: Berkshire Brewery Imperial Way Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	624	3	471100 168900
28	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 28/39/22/0614 Permit Version: 4 Location: Berkshire Brewery - Point 'E' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	662	3	471100 169650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	Water Abstractions Operator: Scottish & Newcastle Uk Limited Licence Number: 28/39/22/0614 Permit Version: 3 Location: Berkshire Brewery - Point 'E' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th August 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	662	3	471100 169650
29	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 28/39/22/0614 Permit Version: 4 Location: Berkshire Brewery - Point 'C' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	750	3	470890 169100
29	Water Abstractions Operator: Scottish & Newcastle Uk Limited Licence Number: 28/39/22/0614 Permit Version: 3 Location: Berkshire Brewery - Point 'C' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th August 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	750	3	470890 169100
29	Water Abstractions Operator: Scottish & Newcastle Uk Limited Licence Number: 28/39/22/0614 Permit Version: 2 Location: Berkshire Brewery - Point 'C' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st January 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	750	3	470890 169100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Water Abstractions Operator: Scottish Courage Brewing Ltd Licence Number: 28/39/22/0614 Permit Version: 1 Location: Berkshire Brewery - Point 'C' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	750	3	470890 169100
30	Water Abstractions Operator: Scottish Courage Brewing Ltd Licence Number: 28/39/22/0556 Permit Version: 100 Location: Berkshire Brewery Point 'C' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Berkshire Brewery Imperial Way Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	839	3	470800 169100
31	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 28/39/22/0614 Permit Version: 4 Location: Berkshire Brewery Point 'D' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	888	3	470740 169220
31	Water Abstractions Operator: Scottish & Newcastle Uk Limited Licence Number: 28/39/22/0614 Permit Version: 3 Location: Berkshire Brewery Point 'D' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th August 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	888	3	470740 169220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Water Abstractions Operator: Scottish & Newcastle Uk Limited Licence Number: 28/39/22/0614 Permit Version: 2 Location: Berkshire Brewery Point 'D' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st January 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	888	3	470740 169220
31	Water Abstractions Operator: Scottish Courage Brewing Ltd Licence Number: 28/39/22/0614 Permit Version: 1 Location: Berkshire Brewery Point 'D' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Berkshire Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	888	3	470740 169220
31	Water Abstractions Operator: Scottish Courage Brewing Ltd Licence Number: 28/39/22/0556 Permit Version: 100 Location: Berkshire Brewery Point 'D' Authority: Environment Agency, Thames Region Abstraction: Breweries/Wine: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Berkshire Brewery Imperial Way Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	929	3	470700 169200
	Water Abstractions Operator: Clean Linen Services Ltd Licence Number: 28/39/22/0612 Permit Version: 1 Location: Darwin Close, Whitley, Reading, Berkshire Authority: Environment Agency, Thames Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Darwin Close Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23SW (N)	1148	3	471360 170410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Clean Linen Services Ltd Licence Number: 28/39/22/0525 Permit Version: 101 Location: Darwin Close, Whitley, Reading Authority: Environment Agency, Thames Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 655 Yearly Rate (m3): 181840 Details: Darwin Close, Whitley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (N)	1156	3	471300 170400
	Water Abstractions Operator: Reading Football Club Plc Licence Number: 28/39/22/0644 Permit Version: 1 Location: Madejski Stadium Complex - 424 Wellpoints Authority: Environment Agency, Thames Region Abstraction: Environmental: Pump & Treat: General Use (Low Loss) Abstraction Type: Water may be abstracted from any point within an area 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: 28th July 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NW (NW)	1185	3	470720 170020
	Water Abstractions Operator: Reading Football Club Plc Licence Number: 28/39/22/0578 Permit Version: 100 Location: Madejski Stadium Wellpoints Authority: Environment Agency, Thames Region Abstraction: Environmental: Pump & Treat: General Use (Low Loss) Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): 518 Yearly Rate (m3): 189734 Details: Madejski Stadium, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SE (NW)	1290	3	470520 169900
	Water Abstractions Operator: Mr D J B Hewison Licence Number: 28/39/22/0166 Permit Version: 100 Location: Hartley Court Farm, Three Mile Cross Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 14 Yearly Rate (m3): 4023 Details: Hartley Court Farm, Three Mile Cross, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st November 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1369	3	470300 168900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: In Force - No Licence Holder Licence Number: 28/39/22/0076 Permit Version: Not Supplied Location: Shinfield, READING, Berkshire Authority: Environment Agency, Thames Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 273 Yearly Rate (m3): 1 Details: Also Staff Welfare And Agric. Annual Aggregated To Another Licence; Status: Expired 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	A10SW (SE)	1531	3	472900 168300
	Water Abstractions Operator: Mr D J B Hewison Licence Number: 28/39/22/0232 Permit Version: 100 Location: Foudry Brook At Hartley Court Farm Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Foudry & Burghfield Brook At Hartley Court Farm, Three Mile Cross Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 10th March 1969 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (SW)	1562	3	470200 168600
	Water Abstractions Operator: University Of Reading Licence Number: 28/39/22/0499 Permit Version: Not Supplied Location: Shinfield, READING Authority: Environment Agency, Thames Region Abstraction: Laboratory Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 455 Yearly Rate (m3): 81830 Details: Additional Purposes - Agriculture (36368) Private Water Supply (1136). Chalk (Undifferentiated) 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	A5NW (SE)	1593	3	472900 168200
	Water Abstractions Operator: The Prudential Assur. Com. Ltd Licence Number: 28/39/22/0276 Permit Version: 101 Location: Smallmead Farm, Pingewood Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 23 Yearly Rate (m3): 8501 Details: Smallmead Farm, Pingewood Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 30th July 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (NW)	1689	3	470090 169930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: University Of Reading Licence Number: 28/39/24/0008 Permit Version: 100 Location: Reading University Horticultural Station Borehole Authority: Environment Agency, Thames Region Abstraction: Schools and Colleges: General Farming & Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 273 Yearly Rate (m3): 863 Details: Reading University Horticultural Station - Agriculture Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 13th May 1968 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SE)	1864	3	473400 168500
	Water Abstractions Operator: University Of Reading Licence Number: 28/39/24/0008 Permit Version: 100 Location: Reading University Horticultural Station Borehole Authority: Environment Agency, Thames Region Abstraction: Schools and Colleges: 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: Reading University Horticultural Station, Shinfield Authorised Start: 01 February Authorised End: 30 September Permit Start Date: 13th May 1968 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SE)	1864	3	473400 168500
	Water Abstractions Operator: University Of Reading Licence Number: 28/39/24/0008 Permit Version: 100 Location: Reading University Horticultural Station Borehole Authority: Environment Agency, Thames Region Abstraction: Schools and Colleges: Spray Irrigation - Spray Irrigation Definition Order Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Reading University Horticultural Station, Shinfield (Glasshouses) Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 13th May 1968 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SE)	1864	3	473400 168500
	Water Abstractions Operator: Wyncote Developments Plc Licence Number: 28/39/22/0555 Permit Version: Not Supplied Location: Rose Kiln Lane, READING, Berkshire Authority: Environment Agency, Thames Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 864 Yearly Rate (m3): 315360 Details: Chalk (Undifferentiated) 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	(N)	1915	3	471400 171200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Kennet Valley Park Ltd Licence Number: 28/39/22/0463 Permit Version: 101 Location: Pingewood Business Estate, Smallmead Road, Reading Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 23 Yearly Rate (m3): 6819 Details: Pingewood Business Park Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(NW)	1969	3	469900 170180
	Water Abstractions Operator: Kennet Valley Park Ltd Licence Number: 28/39/22/0463 Permit Version: 101 Location: Pingewood Business Estate, Smallmead Road, Reading Authority: Environment Agency, Thames Region Abstraction: Household Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Pingewood Business Estate Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(NW)	1969	3	469900 170180
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh D' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct 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: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1982	3	470970 171160
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'D' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct 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 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1982	3	470970 171160
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 39 West London Scale: 1:100,000	A13SW (W)	0	3	471667 169257
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (W)	0	2	471667 169257

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations No Data Available				
	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				
	Flood Defences None				
32	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13SW (SW)	117	3	471554 169142
33	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13SW (SW)	132	3	471533 169141
34	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13SW (SW)	136	3	471528 169141
35	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13SW (SW)	149	3	471511 169140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Kingsley Close Ditch Name: Water Course: 22KC Reference:	A13SW (W)	226	3	471410 169172
37	Detailed River Network Lines River Type: Primary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Currently Undefined Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Kingsley Close Ditch Name: Water Course: 22KC Reference:	A12NE (W)	354	3	471275 169267
38	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12SE (SW)	366	3	471291 169092
39	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NE (W)	413	3	471238 169367
40	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	415	3	471718 169714
41	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12SE (W)	422	3	471204 169236

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Detailed River Network Lines River Type: Primary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Currently Undefined Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Kingsley Close Ditch Name: Water Course: 22KC Reference:	A12NE (W)	426	3	471226 169373
43	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8NW (S)	428	3	471528 168808
44	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Kingsley Close Ditch Name: Water Course: 22KC Reference:	A12NE (W)	432	3	471223 169383
45	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NE (W)	455	3	471192 169367
46	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8NW (S)	465	3	471511 168774
47	Detailed River Network Lines River Type: Primary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Currently Undefined Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Kingsley Close Ditch Name: Water Course: 22KC Reference:	A12NE (NW)	478	3	471218 169483

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	479	3	471554 169769
49	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	490	3	471544 169778
50	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	490	3	471549 169779
51	Detailed River Network Offline Drainage River Type: Secondary River Hydrographic Area: D006	A8NW (S)	480	3	471613 168736
52	Detailed River Network Offline Drainage River Type: Secondary River Hydrographic Area: D006	A8NW (S)	485	3	471565 168738
53	Detailed River Network Offline Drainage River Type: Secondary River Hydrographic Area: D006	A8NW (S)	488	3	471567 168735
54	Detailed River Network Offline Drainage River Type: Secondary River Hydrographic Area: D006	A8NW (S)	488	3	471567 168735
55	Detailed River Network Offline Drainage River Type: Secondary River Hydrographic Area: D006	A8NW (S)	498	3	471607 168717

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	BGS Recorded Landfill Sites Site Name: Smallmead Tip Location: Smallmead Road, READING, Berkshire Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Derived	A17SE (NW)	849	-	471008 169842
57	Licensed Waste Management Facilities (Locations) Licence Number: 100913 Location: 5 - 7 Bennet Road , Reading, Berkshire, RG2 0QX Operator Name: Select Environmental Services Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Clinical Waste Transfer Station Licence Status: Issued Issued: 21st May 2009 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NW (N)	949	3	471463 170230
58	Licensed Waste Management Facilities (Locations) Licence Number: 86039 Location: Smallmead, Bennet road, Reading, Berkshire, RG2 0JL Operator Name: Reading Football Club Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Household, Commercial And Industrial Waste Landfills Licence Status: Closed Issued: 3rd June 1997 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Approximate location provided by supplier	A17NE (NW)	962	3	471000 170000
59	Licensed Waste Management Facilities (Locations) Licence Number: 86204 Location: 6 Darwin Close , Reading, Berkshire, RG2 0SG Operator Name: Reading Borough Council Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Clinical Waste Transfer Stations Licence Status: Issued Issued: 19th October 1998 Last Modified: 30th August 2005 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NE (N)	968	3	471300 170200
59	Licensed Waste Management Facilities (Locations) Licence Number: 86011 Location: 6 Darwin Close , Reading, Berkshire, RG2 0SG Operator Name: Reading Borough Council Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Modified Issued: 29th June 1992 Last Modified: 28th September 2001 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NE (N)	968	3	471300 170200
	Local Authority Landfill Coverage Name: Reading Unitary Council - Has supplied landfill data		0	5	471667 169257

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Wokingham District Council - Has supplied landfill data		575	6	471466 168674
60	Local Authority Recorded Landfill Sites Location: Refuse Tip Reference: Not Supplied Authority: Reading Borough Council, Planning Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A17SE (NW)	845	5	471003 169831
61	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A13NW (NW)	208	-	471544 169473
62	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A13SW (SW)	255	-	471436 169065
63	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A13SE (S)	270	-	471670 168942
64	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A13SE (S)	292	-	471729 168925
65	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A13NW (NW)	305	-	471405 169466
66	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A13SW (W)	306	-	471337 169138
67	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A13NW (NW)	317	-	471361 169407
68	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A12NE (W)	452	-	471176 169262
69	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A12NE (W)	457	-	471203 169400
70	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A18SE (N)	614	-	471727 169913
71	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A9NW (SE)	789	-	472273 168704
72	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A14NE (E)	803	-	472491 169450
73	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A18NW (N)	867	-	471361 170115
74	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A18NW (N)	872	-	471366 170123

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13SW (W)	0	2	471667 169257
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (W)	0	2	471667 169257
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (W)	128	2	471500 169257
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (W)	552	2	471115 169439
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (NW)	563	2	471132 169500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NW (N)	789	2	471361 170032
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NW (SW)	914	2	470853 168750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	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	A13SW (W)	0	2	471667 169257
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	471667 169257
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	471667 169257
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	471667 169257
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	471667 169257
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	471667 169257
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	471667 169257
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	471667 169257

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	Contemporary Trade Directory Entries Name: Shell Fairfield Location: 585 Basingstoke Road, Reading, Berkshire, RG2 0TA Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	0	-	471655 169246
76	Contemporary Trade Directory Entries Name: Frost Electronics Ltd Location: 4a, Woodside Business Park, Whitley Wood Lane, Reading, RG2 8LW Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	156	-	471855 169327
76	Contemporary Trade Directory Entries Name: Communications Solutions Uk Ltd Location: 5, Woodside Business Park, Whitley Wood Lane, Reading, Berkshire, RG2 8LW Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	158	-	471860 169320
77	Contemporary Trade Directory Entries Name: Rhm Location: Imperial Way, Reading, Berkshire, RG2 0QW Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	231	-	471561 169510
78	Contemporary Trade Directory Entries Name: Forward Bird Control Location: 2 Imperial Way, Reading, Berkshire, RG2 0TD Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	235	-	471484 169455
78	Contemporary Trade Directory Entries Name: Forward Bird Control Location: 2 Imperial Way, Reading, Berkshire, RG2 0TD Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	236	-	471486 169458
78	Contemporary Trade Directory Entries Name: Rhm Foodservice Location: Imperial Way, Reading, Berkshire, RG2 0QW Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	237	-	471478 169450
78	Contemporary Trade Directory Entries Name: Kuehne + Nagel Ltd Location: Berkshire Brewery, Imperial Way, Reading, Berkshire, RG2 0PN Classification: Road Haulage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	245	-	471449 169421
79	Contemporary Trade Directory Entries Name: Hutt Electrical Services Location: 35, Whitley Wood Lane, Reading, RG2 8PN Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	251	-	471834 169496
80	Contemporary Trade Directory Entries Name: Home Is Location: Atlantic House, Imperial Way, Reading, RG2 0TD Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	286	-	471454 169498
80	Contemporary Trade Directory Entries Name: Impact Fork Trucks Ltd Location: Atlantic House, Imperial Way, Reading, RG2 0TD Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	289	-	471457 169505

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	Contemporary Trade Directory Entries Name: The Glass Peach Location: Unit C11, Acre Road, Reading, Berkshire, RG2 0SL Classification: Stained Glass Designers & Producers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	347	-	471680 169649
82	Contemporary Trade Directory Entries Name: Motorola Ltd Location: Imperium, Imperial Way, Reading, RG2 0TD Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	356	-	471308 169388
83	Contemporary Trade Directory Entries Name: Whichford Peugeot Location: 569-575, Basingstoke Road, Reading, RG2 0SJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	356	-	471818 169623
83	Contemporary Trade Directory Entries Name: Valley Motor Group Location: 569-575, Basingstoke Road, Reading, RG2 0SJ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	356	-	471818 169623
84	Contemporary Trade Directory Entries Name: Eddie Stobart Ltd Location: Unit 5 Worton Grange Indust Est, Worton Dr, Reading, Berkshire, RG2 0TG Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SW (NW)	385	-	471440 169616
85	Contemporary Trade Directory Entries Name: Fish Out Of Water Location: 165, Whitley Wood Lane, READING, RG2 8PW Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	419	-	472121 169211
86	Contemporary Trade Directory Entries Name: Scottish Courage Brewing Ltd Location: Berkshire Brewery, Imperial Way, Reading, RG2 0PN Classification: Brewers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	429	-	471212 169338
86	Contemporary Trade Directory Entries Name: Hoyers (Uk) Ltd Location: Berkshire Brewery, Imperial Way, Reading, RG2 0PN Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	429	-	471212 169338
87	Contemporary Trade Directory Entries Name: Static Control Components Ltd Location: Unit 30, Worton Drive, Reading, RG2 0TG Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	438	-	471284 169522
87	Contemporary Trade Directory Entries Name: Static Control Components Location: Unit 30, Worton Drive, Reading, Berkshire, RG2 0TG Classification: Printing Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	438	-	471284 169522
88	Contemporary Trade Directory Entries Name: Mmc Ltd Location: Unit 5, Worton Drive, Reading, RG2 0TG Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	459	-	471464 169716
89	Contemporary Trade Directory Entries Name: 3663 First For Foodservice Location: Unit 7, Worton Drive, Reading, RG2 0TG Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	473	-	471364 169669

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	Contemporary Trade Directory Entries Name: Creases Away Location: 33, Copenhagen Close, Reading, RG2 8UH Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	493	-	472143 169049
91	Contemporary Trade Directory Entries Name: Get Fresh Cleaning Services Location: 1 Engineers Court, Whitley Wood Lane, Reading, RG2 8AQ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	503	-	472194 169152
91	Contemporary Trade Directory Entries Name: First Class Cleaners Location: 1 Engineers Court, Whitley Wood Lane, Reading, RG2 8AQ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	503	-	472194 169152
92	Contemporary Trade Directory Entries Name: Red Knight Recovery Location: 3, Wincanton Road, Reading, RG2 8PA Classification: Breakdown and Recovery Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	521	-	472217 169388
93	Contemporary Trade Directory Entries Name: Kuehne & Nagel Ltd Location: Worton Drive, Reading, RG2 0TH Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	547	-	471226 169632
93	Contemporary Trade Directory Entries Name: Kuehne & Nagel Ltd Location: Worton Drive, Reading, Berkshire, RG2 0TH Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	547	-	471226 169632
93	Contemporary Trade Directory Entries Name: Kuehne & Nagel Location: Worton Drive, Reading, RG2 0TH Classification: Freight Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	547	-	471226 169632
93	Contemporary Trade Directory Entries Name: Kuehne & Nagel Location: Worton Drive, Reading, RG2 0TH Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	547	-	471226 169632
93	Contemporary Trade Directory Entries Name: Kuehne & Nagel Ltd Location: Worton Drive, Reading, Berkshire, RG2 0TH Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	547	-	471226 169632
94	Contemporary Trade Directory Entries Name: Reading Pest Removal Location: 87, Blandford Road, READING, RG2 8RR Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	550	-	472175 169568
95	Contemporary Trade Directory Entries Name: Independent Project Analysis Location: Worton Dr, Reading, Berkshire, RG2 0TG Classification: Oil & Gas Exploration Supplies & Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17SE (NW)	589	-	471278 169748
96	Contemporary Trade Directory Entries Name: Fantastic Fascia Location: 86, Ambrook Road, Reading, RG2 8SW Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	607	-	471976 169823

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	Contemporary Trade Directory Entries Name: Jelade Electrical Services Location: 41, Margaret Close, Reading, RG2 8PU Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	618	-	472303 169117
98	Contemporary Trade Directory Entries Name: Paul Layzell Foods Ltd Location: A1, Worton Drive, Reading, RG2 0TG Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	626	-	471204 169729
99	Contemporary Trade Directory Entries Name: P J Print Location: D1, Acre Business Park, Acre Road, Reading, RG2 0SA Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	644	-	471513 169929
99	Contemporary Trade Directory Entries Name: Daily Poppins Location: D3, Acre Business Park, Acre Road, Reading, RG2 0SA Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	648	-	471531 169937
99	Contemporary Trade Directory Entries Name: Beetle Bugs Location: D7, Acre Business Park, Acre Road, Reading, Berkshire, RG2 0SA Classification: Car Customizing Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	654	-	471553 169947
99	Contemporary Trade Directory Entries Name: A D Marsh Location: D8, Acre Business Park, Acre Road, READING, RG2 0SA Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	655	-	471558 169949
99	Contemporary Trade Directory Entries Name: Network Wide Location: C8, Acre Business Park, Acre Road, Reading, Berkshire, RG2 0SA Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	658	-	471490 169938
99	Contemporary Trade Directory Entries Name: Carp - A - Tex Location: C4, Acre Business Park, Acre Road, Reading, RG2 0SA Classification: Carpets & Rugs - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	665	-	471488 169944
99	Contemporary Trade Directory Entries Name: M & W Cleaning Services Ltd Location: B8 Acre Rd Business Pk, Reading, Berkshire, RG2 0SA Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18NW (N)	667	-	471548 169960
99	Contemporary Trade Directory Entries Name: Repro 3 Digital Copy Centre Location: C6, Acre Business Park, Acre Road, Reading, RG2 0SA Classification: Copying & Duplicating Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18NW (N)	675	-	471530 169964
99	Contemporary Trade Directory Entries Name: J R Pridham Services Location: B1-B2, Acre Business Park, Acre Road, READING, RG2 0SA Classification: Electronic Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	675	-	471520 169962
100	Contemporary Trade Directory Entries Name: Maui Jim Location: 9, Falmouth Road, Reading, RG2 8QR Classification: Optical Goods - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	650	-	472303 169019

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	Contemporary Trade Directory Entries Name: Roy Giles Print Ltd Location: 15, Falmouth Road, Reading, RG2 8QR Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	660	-	472320 169034
101	Contemporary Trade Directory Entries Name: Daily Poppins Winchester Location: Unit 2, Acre Road, Reading, RG2 0SU Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	679	-	471390 169924
102	Contemporary Trade Directory Entries Name: Johnstone Location: A3, Acre Business Park, Acre Road, Reading, RG2 0SA Classification: Painting & Decorating Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	681	-	471598 169981
102	Contemporary Trade Directory Entries Name: Finesse Cuisines Location: C1, Acre Business Park, Acre Road, Reading, RG2 0SA Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	681	-	471593 169980
102	Contemporary Trade Directory Entries Name: The Digital Printers Location: A1, Acre Business Park, Acre Road, Reading, Berkshire, RG2 0SA Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	681	-	471587 169979
102	Contemporary Trade Directory Entries Name: Chipsaway Location: A4, Acre Business Park, Acre Road, Reading, RG2 0SA Classification: Car Painters & Sprayers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	681	-	471607 169981
102	Contemporary Trade Directory Entries Name: D1 Autos Location: A5, Acre Business Park, Acre Road, Reading, RG2 0SA Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	682	-	471617 169983
103	Contemporary Trade Directory Entries Name: A P Blake Location: 33, Falmouth Road, Reading, RG2 8QR Classification: Floor Cleaning & Polishing Equipment - Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	697	-	472375 169080
104	Contemporary Trade Directory Entries Name: Rentokil Property Care Location: Unit 2, Acre Road, Reading, RG2 0SU Classification: Damp & Dry Rot Control Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	713	-	471256 169887
105	Contemporary Trade Directory Entries Name: Access Blinds Location: 8, Cooper Close, Reading, RG2 8NZ Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	731	-	472406 169492
106	Contemporary Trade Directory Entries Name: Miller Bros (Electrical) Ltd Location: Reading Gate Retail Park, Acre Rd, Reading, Berkshire, RG2 0SA Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	737	-	471330 169960
107	Contemporary Trade Directory Entries Name: Sportshatch Specialist Location: 38, Hartley Court Road, Three Mile Cross, Reading, RG7 1NS Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	753	-	471164 168640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	Contemporary Trade Directory Entries Name: Diamond Home Support Location: 325, Whitley Wood Lane, Reading, RG2 8PX Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	758	-	472296 168784
109	Contemporary Trade Directory Entries Name: Swiftlink International Ltd Location: 493, Basingstoke Road, Reading, RG2 0JG Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	758	-	471728 170058
110	Contemporary Trade Directory Entries Name: Ambrook Fascias Location: 3, Ambrook Road, Reading, RG2 8SL Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	773	-	472107 169940
111	Contemporary Trade Directory Entries Name: Rentokil Pest Control Location: Acre Rd, Reading, Berkshire, RG2 0SU Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	787	-	471287 169994
112	Contemporary Trade Directory Entries Name: S O S Mobile Tyres Location: 27, Hartland Road, Reading, RG2 8AB Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	791	-	471902 170057
112	Contemporary Trade Directory Entries Name: Press 4u Location: 37, Hartland Road, Reading, RG2 8AB Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	805	-	471935 170060
113	Contemporary Trade Directory Entries Name: C & S Services Location: 3, Hilary Close, Reading, RG2 8TF Classification: Engineering Services Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	796	-	472502 169330
114	Contemporary Trade Directory Entries Name: Rentokil Specialist Hygiene Location: 4, Acre Road, Reading, RG2 0SX Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	811	-	471237 169993
114	Contemporary Trade Directory Entries Name: Busy Lift Moving Systems Location: 4, Acre Road, Reading, Berkshire, RG2 0SU Classification: Lifting Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	811	-	471237 169993
114	Contemporary Trade Directory Entries Name: Active Pcb Solutions Ltd Location: 4, Acre Road, Reading, Berkshire, RG2 0SU Classification: Electronic Equipment - Manufacturers & Assemblers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	811	-	471237 169993
114	Contemporary Trade Directory Entries Name: International Copiers Ltd Location: 4, Acre Road, Reading, RG2 0SU Classification: Office Furniture & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	811	-	471237 169993
115	Contemporary Trade Directory Entries Name: J P L Joinery Location: 4 Acre Rd, Reading, Berkshire, RG2 0SX Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	817	-	471191 169970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	Contemporary Trade Directory Entries Name: St Distronics Location: Unit 5, Bennet Court, Bennet Road, Reading, Berkshire, RG2 0QX Classification: Electronic Component Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	825	-	471462 170103
116	Contemporary Trade Directory Entries Name: S T Electronics Location: Unit 5, Bennet Court, Bennet Road, Reading, Berkshire, RG2 0QX Classification: Electronic Component Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	825	-	471462 170103
116	Contemporary Trade Directory Entries Name: Select Environmental Services Location: Unit 3, Bennet Court, Bennet Road, Reading, RG2 0QX Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	827	-	471427 170095
117	Contemporary Trade Directory Entries Name: Comet Location: Reading Gate Retail Park, Reading, RG2 0QG Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	828	-	471006 169806
117	Contemporary Trade Directory Entries Name: Comet Location: Reading Gate Retail Park, Reading, Berkshire, RG2 0QG Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	828	-	471006 169806
118	Contemporary Trade Directory Entries Name: R M Autos Location: 34, Corinne Close, Reading, RG2 8AA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	839	-	471877 170114
119	Contemporary Trade Directory Entries Name: Combat Cleaning Service Location: 6, MereOak Orchard, Three Mile Cross, Reading, RG7 1NY Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	842	-	471300 168455
120	Contemporary Trade Directory Entries Name: 5 Star Services Location: 27, Brayford Road, Reading, RG2 8LT Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	848	-	472273 169911
121	Contemporary Trade Directory Entries Name: Office Principles Location: 472, Basingstoke Road, Reading, RG2 0QN Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	882	-	471618 170183
121	Contemporary Trade Directory Entries Name: Bradleys Southern Location: 472, Basingstoke Road, Reading, RG2 0QN Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	882	-	471618 170183
122	Contemporary Trade Directory Entries Name: Renault Trucks Location: Bennet Road, Reading, RG2 0QX Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	886	-	471379 170142
123	Contemporary Trade Directory Entries Name: Woods Of Windsor Ltd Location: Acre Road, Reading, RG2 0SU Classification: Perfume Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	893	-	471086 169984

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	Contemporary Trade Directory Entries Name: Lancaster Volvo Reading Location: Bennet Road, Reading, Berkshire, RG2 0QX Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17NE (N)	914	-	471320 170150
124	Contemporary Trade Directory Entries Name: Kuehne & Nagel Location: 20-22, Bennet Road, Reading, Berkshire, RG2 0QX Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	930	-	471287 170154
124	Contemporary Trade Directory Entries Name: Hallmark Vehicle Distribution Centre Location: 20-22, Bennet Road, Reading, Berkshire, RG2 0QX Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	930	-	471287 170154
125	Contemporary Trade Directory Entries Name: Absolute Total Clearance Location: 12, Anson Walk, Reading, RG2 8JU Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	941	-	472626 169482
126	Contemporary Trade Directory Entries Name: Cordwallis Group Location: 40, Bennet Road, Reading, RG2 0QX Classification: Commercial Vehicle Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	946	-	471080 170048
127	Contemporary Trade Directory Entries Name: Jewson Ltd Location: 468, Basingstoke Road, Reading, RG2 0QQ Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	954	-	471617 170256
127	Contemporary Trade Directory Entries Name: Jewson Ltd Location: 468, Basingstoke Road, Reading, RG2 0QQ Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	954	-	471617 170256
128	Contemporary Trade Directory Entries Name: Select Environmental Services Ltd Location: Bennet Road, Reading, RG2 0QX Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	954	-	471487 170241
129	Contemporary Trade Directory Entries Name: B T Fleet Location: Bennet Road, Reading, Berkshire, RG2 0QA Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	963	-	471177 170134
129	Contemporary Trade Directory Entries Name: S B Services Location: Unit 1, 34, Bennet Road, Reading, RG2 0QX Classification: Pneumatic Systems & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	970	-	471132 170114
129	Contemporary Trade Directory Entries Name: Harrier Pneumatics Location: Unit 1, 34, Bennet Road, Reading, Berkshire, RG2 0QX Classification: Pneumatic Engineers Status: Active Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	970	-	471132 170114
129	Contemporary Trade Directory Entries Name: Small Mead Location: 34 Bennet Rd, Reading, Berkshire, RG2 0QX Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	970	-	471132 170114

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	Contemporary Trade Directory Entries Name: Custom Metalcraft Ltd Location: 36, Bennet Road, Reading, Berkshire, RG2 0QX Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	989	-	471107 170121
129	Contemporary Trade Directory Entries Name: Reading Pneumatic Services Ltd Location: 38, Bennet Road, Reading, RG2 0QX Classification: Air Compressors Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	996	-	471093 170120
130	Contemporary Trade Directory Entries Name: R D Cox Location: The Workshop, 306, Old Whitley Wood Lane, Reading, RG2 8QD Classification: Metal Finishing Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	983	-	472507 168696
130	Contemporary Trade Directory Entries Name: Robert D Cox Location: The Workshop, 306, Old Whitley Wood Lane, Reading, RG2 8QD Classification: Blast Cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	983	-	472507 168696
130	Contemporary Trade Directory Entries Name: Cox Location: The Workshop, 306, Old Whitley Wood Lane, Reading, RG2 8QD Classification: Blast Cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	983	-	472507 168696
131	Fuel Station Entries Name: Shell Fairfield Location: Basingstoke Road, Reading, Berkshire, RG2 0TA Brand: SHELL Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A13SW (SW)	0	-	471655 169246
132	Fuel Station Entries Name: Whitley Wood Garage Location: 569-576 Basingstoke Road, Whiteley Wood, READING, Berkshire, RG2 0SJ Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A18SE (N)	356	-	471818 169623
133	Points of Interest - Commercial Services Name: Forward Bird Control - National Location: Atlantic House, Imperial Way, Reading, RG2 0TD Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A13NW (NW)	286	7	471454 169498
134	Points of Interest - Commercial Services Name: Static Control Components Europe Ltd Location: Unit 30, Worton Drive, Reading, RG2 0TG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NE (NW)	438	7	471284 169522
135	Points of Interest - Commercial Services Name: 3663 First for Foodservice Location: Unit 7, Worton Drive, Reading, RG2 0TG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SW (NW)	473	7	471364 169669
136	Points of Interest - Commercial Services Name: Kuehne & Nagel Ltd Location: Worton Drive, Reading, RG2 0TH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SE (NW)	547	7	471226 169632

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	Points of Interest - Commercial Services Name: Kuehne & Nagel Ltd Location: Worton Drive, Reading, RG2 0TH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SE (NW)	547	7	471226 169632
136	Points of Interest - Commercial Services Name: Kuennet & Nagle Location: Worton Drive, Reading, Berkshire, RG2 0TH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SE (NW)	547	7	471226 169632
137	Points of Interest - Commercial Services Name: Reading Pest Removal Location: 87 Blandford Road, Reading, RG2 8RR Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A14NW (NE)	550	7	472175 169568
138	Points of Interest - Commercial Services Name: Keith Toovey Location: 219 Whitley Wood Road, Reading, RG2 8LD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	656	7	472363 169307
138	Points of Interest - Commercial Services Name: Keith Toovey Location: 219 Whitley Wood Road, Reading, RG2 8LD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	656	7	472363 169307
139	Points of Interest - Commercial Services Name: Galloway Motorcycles Location: D10 Acre Business Park, Acre Road, Reading, RG2 0SA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	658	7	471569 169954
139	Points of Interest - Commercial Services Name: Network Wide Location: C8 Acre Business Park, Acre Road, Reading, RG2 0SA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NW (N)	658	7	471490 169938
140	Points of Interest - Commercial Services Name: Jorade Commercial Services Ltd Location: 16 Hartley Court Road, Three Mile Cross, Reading, RG7 1NS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	677	7	471295 168644
141	Points of Interest - Commercial Services Name: Chipsaway Location: A4 Acre Business Park, Acre Road, Reading, RG2 0SA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	681	7	471607 169981
141	Points of Interest - Commercial Services Name: Chipsaway Location: A4 Acre Business Park, Acre Road, Reading, RG2 0SA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	681	7	471607 169981
142	Points of Interest - Commercial Services Name: National Mobile Windscreens Location: 5 Mayfield Trade Centre, Acre Road, Reading, RG2 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	731	7	471142 169816
142	Points of Interest - Commercial Services Name: National Windscreens Location: 4 Mayfield Trade Centre, Acre Road, Reading, RG2 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	738	7	471129 169813

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	Points of Interest - Commercial Services Name: Auto Windshields Location: Unit 1a Mayfield Trade Centre, Acre Road, Reading, RG2 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	799	7	471124 169893
143	Points of Interest - Commercial Services Name: Simms & Sons Metal Work Location: 54 Hartley Court Road, Three Mile Cross, Reading, RG7 1NS Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7NE (SW)	797	7	471087 168648
143	Points of Interest - Commercial Services Name: Simms & Sons Metal Work Location: 54 Hartley Court Road, Three Mile Cross, Reading, RG7 1NS Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7NE (SW)	799	7	471085 168648
144	Points of Interest - Commercial Services Name: Smithsnews Location: 4 Acre Road, Reading, RG2 0SU Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17NE (NW)	811	7	471237 169993
145	Points of Interest - Commercial Services Name: Microtronics Ltd Location: Unit 3 Bennet Court, Bennet Road, Reading, RG2 0QX Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NW (N)	827	7	471427 170095
145	Points of Interest - Commercial Services Name: Renault Trucks Location: Bennet Road, Reading, RG2 0QX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	886	7	471379 170142
145	Points of Interest - Commercial Services Name: Renault Trucks Location: Bennet Road, Reading, RG2 0QX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	886	7	471379 170142
145	Points of Interest - Commercial Services Name: Fenn Motor Works Location: Unit 2 Bennet Court, Bennet Road, Reading, RG2 0QX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	900	7	471421 170169
146	Points of Interest - Commercial Services Name: Kuehne & Nagel Location: 20-22 Bennet Road, Reading, RG2 0QX Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17NE (NW)	930	7	471287 170154
147	Points of Interest - Commercial Services Name: Korks Motorcycles Location: 12 Anson Crescent, Reading, RG2 8JT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	946	7	472636 169458
148	Points of Interest - Commercial Services Name: Terranova Location: Bennet Road, Reading, RG2 0QX Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17NE (NW)	946	7	471080 170048
148	Points of Interest - Commercial Services Name: Fenn Motor Works Location: Unit 2, 34 Bennet Rd, Reading, Berkshire, RG2 0QX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	970	7	471132 170114

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	Points of Interest - Commercial Services Name: L D Distribution UK Ltd Location: 36 Bennet Road, Reading, RG2 0QX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	989	7	471107 170121
149	Points of Interest - Commercial Services Name: B T Fleet Location: Telephone Engineering Centre, Bennet Road, Reading, RG2 0QA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	963	7	471177 170134
150	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	102	7	471543 169176
151	Points of Interest - Manufacturing and Production Name: Woodside Business Park Location: RG2 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	169	7	471873 169312
152	Points of Interest - Manufacturing and Production Name: Mwb Business Exchange Location: Atlantic House, Imperial Way, Reading, RG2 0TD Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A13NW (NW)	286	7	471454 169498
152	Points of Interest - Manufacturing and Production Name: M W B Business Exchange Location: Atlantic House, Imperial Way, Reading, RG2 0TD Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A13NW (NW)	286	7	471454 169498
153	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: RG2 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	353	7	471334 169434
154	Points of Interest - Manufacturing and Production Name: Tanks Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	456	7	471185 169125
154	Points of Interest - Manufacturing and Production Name: Tanks Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	488	7	471163 169086
155	Points of Interest - Manufacturing and Production Name: Worton Grange Industrial Estate Location: RG2 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	471	7	471325 169631
156	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	481	7	471232 169516
157	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	510	7	471524 169793

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	Points of Interest - Manufacturing and Production Name: Tanks Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	549	7	471095 169102
158	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	579	7	471052 169170
158	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	587	7	471046 169160
159	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	572	7	471358 169786
160	Points of Interest - Manufacturing and Production Name: Tanks Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	601	7	471194 169679
160	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A17SE (NW)	608	7	471190 169684
160	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A17SE (NW)	611	7	471183 169681
161	Points of Interest - Manufacturing and Production Name: Acre Business Park Location: RG2 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	668	7	471563 169963
161	Points of Interest - Manufacturing and Production Name: Acre Business Park Location: Acre Rd, Reading, Berkshire, RG2 0SA Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A18NW (N)	676	7	471544 169968
161	Points of Interest - Manufacturing and Production Name: Acre Business Park Location: Acre Road, Reading, RG2 0SA Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A18NW (N)	676	7	471544 169968
162	Points of Interest - Manufacturing and Production Name: Tanks Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	670	7	471027 169529
162	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12NW (W)	710	7	470986 169535

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12NW (W)	711	7	470980 169525
163	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	701	7	471153 169784
164	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	738	7	471429 170003
165	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	739	7	472332 169674
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	A17NE (NW)	801	7	471239 169982
166	Points of Interest - Manufacturing and Production Name: Works Location: RG2 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	801	7	471239 169982
166	Points of Interest - Manufacturing and Production Name: Works Location: RG2 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A17NE (NW)	804	7	471239 169986
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	A17NE (NW)	832	7	471162 169967
166	Points of Interest - Manufacturing and Production Name: Works Location: RG2 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	832	7	471162 169967
167	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	803	7	471519 170093
168	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	A17NE (NW)	858	7	471136 169980
168	Points of Interest - Manufacturing and Production Name: Works Location: RG2 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	884	7	471148 170021

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	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	A18NW (N)	929	7	471468 170211
169	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NW (N)	959	7	471369 170216
169	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NW (N)	962	7	471369 170219
169	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	A18NW (N)	965	7	471390 170228
169	Points of Interest - Manufacturing and Production Name: Tanks Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	965	7	471364 170220
169	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NW (N)	966	7	471369 170223
169	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NW (N)	976	7	471368 170233
169	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	999	7	471334 170246
170	Points of Interest - Manufacturing and Production Name: Tank Location: RG2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	981	7	471594 170281
171	Points of Interest - Manufacturing and Production Name: Green Park (Reading) Location: Adj M4, Reading, RG2 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	1000	7	470634 169338
171	Points of Interest - Manufacturing and Production Name: Green Park (Reading) Turbine Location: RG2 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A11NE (W)	1000	7	470634 169338
172	Points of Interest - Public Infrastructure Name: Shell Fairfield Location: 585 Basingstoke Road, Reading, RG2 0TA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	0	7	471655 169246

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
172	Points of Interest - Public Infrastructure Name: Shell Fairfield Location: Basingstoke Road, Reading, RG2 0TA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	0	7	471655 169246
172	Points of Interest - Public Infrastructure Name: Shell Fairfield Location: Basingstoke Road, Reading, Berkshire, RG2 0TA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	0	7	471655 169246
173	Points of Interest - Public Infrastructure Name: Whitley Wood Road Fire Station Location: Whitley Wood Fire Station 270, Whitley Wood Road, Reading, RG2 8FS Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A13SE (SE)	267	7	471794 168976
174	Points of Interest - Public Infrastructure Name: Select Environmental Services Location: Unit 3 Bennet Court, Bennet Road, Reading, RG2 0QX Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18NW (N)	825	7	471462 170103
175	Points of Interest - Public Infrastructure Name: Select Environmental Services Ltd Location: Bennet Road, Reading, RG2 0QX Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18NW (N)	954	7	471487 170241
175	Points of Interest - Public Infrastructure Name: Select Environmental Services Ltd Location: Bennet Road, Reading, RG2 0QX Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18NW (N)	954	7	471487 170241
176	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	413	7	471829 168830
176	Points of Interest - Recreational and Environmental Name: Play Area Location: The Maying, RG2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8NE (S)	413	7	471829 168831
177	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	480	7	472050 168919
177	Points of Interest - Recreational and Environmental Name: Play Area Location: Woodman Close, RG2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	480	7	472050 168919
177	Points of Interest - Recreational and Environmental Name: Play Area Location: Sandleford Close, RG2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9NW (SE)	494	7	472068 168919
177	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	495	7	472070 168920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	512	7	472106 168944
178	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	562	7	471959 168730
178	Points of Interest - Recreational and Environmental Name: Play Area Location: Harness Close, RG2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8NE (SE)	562	7	471960 168730
179	Points of Interest - Recreational and Environmental Name: Play Area Location: Nr Farmers Close, RG2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	617	7	472006 168694
179	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	621	7	472013 168694
179	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	628	7	472055 168715
179	Points of Interest - Recreational and Environmental Name: Play Area Location: Nr Lexington Grove, RG2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9NW (SE)	666	7	472099 168702
179	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	667	7	472100 168702
180	Points of Interest - Recreational and Environmental Name: Playground Location: Alphington Road, RG2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SE (N)	657	7	471931 169902
180	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	A18SE (N)	658	7	471934 169902
181	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	A19NW (NE)	754	7	472009 169972
181	Points of Interest - Recreational and Environmental Name: Playground Location: Ambrook Road, RG2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	761	7	472008 169981

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
182	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	784	7	472398 168909
182	Points of Interest - Recreational and Environmental Name: Play Area Location: Mylum Close, RG2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9NE (SE)	784	7	472398 168909
182	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	837	7	472411 168822
183	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	848	7	472389 168762

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	Ancient Woodland Name: Not Supplied Reference: 1495221 Area(m ²): 18200.75 Type: Ancient and Semi-Natural Woodland	A14NE (E)	959	8	472666 169276
185	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13NW (N)	0	9	471667 169300

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Reading Borough Council - Environmental Health Department Wokingham District Council - Environmental Health Department Hart District Council - Environmental Health Department South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Basingstoke And Deane Borough Council - Environmental Health	April 2014 February 2013 January 2015 January 2015 November 2014 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	April 2016	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 - West Thames Area Environment Agency - Thames Region	April 2016 April 2016	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Basingstoke And Deane Borough Council - Environmental Health Hart District Council - Environmental Health Department South Oxfordshire District Council - Environmental Health Department Wokingham District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2014 June 2014 June 2014 June 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Basingstoke And Deane Borough Council - Environmental Health Hart District Council - Environmental Health Department South Oxfordshire District Council - Environmental Health Department Wokingham District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2014 June 2014 June 2014 June 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Bi-Annually Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Basingstoke And Deane Borough Council - Environmental Health Hart District Council - Environmental Health Department South Oxfordshire District Council - Environmental Health Department Wokingham District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2014 June 2014 June 2014 June 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - 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
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

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	April 2016 April 2016	Quarterly Quarterly
Water Abstractions Environment Agency - Thames Region	January 2016	Quarterly
Water Industry Act Referrals Environment Agency - Thames Region	April 2016	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	April 2016	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2016	Quarterly
Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
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
Integrated Pollution Control Registered Waste Sites Environment Agency - Thames Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	February 2016 February 2016	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	April 2016 April 2016 April 2016	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Basingstoke And Deane Borough Council - Environmental Health Hampshire County Council - Minerals and Waste Planning Hart District Council - Environmental Services Oxfordshire County Council Reading Borough Council - Planning South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Wokingham District Council - Environmental Health Department	May 2000 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 Not Applicable
Local Authority Recorded Landfill Sites Basingstoke And Deane Borough Council - Environmental Health Hampshire County Council - Minerals and Waste Planning Hart District Council - Environmental Services Oxfordshire County Council Reading Borough Council - Planning South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Wokingham District Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 October 2005	Not Applicable 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 - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	February 2016	Bi-Annually
Explosive Sites Health and Safety Executive	February 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Basingstoke And Deane Borough Council Hampshire County Council - Minerals and Waste Planning Hart District Council - Environmental Services Oxfordshire County Council Reading Borough Council - Planning South Oxfordshire District Council - Planning Department (West) West Berkshire Council Wokingham District Council	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016	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 Basingstoke And Deane Borough Council Hampshire County Council - Minerals and Waste Planning Hart District Council - Environmental Services Oxfordshire County Council Reading Borough Council - Planning South Oxfordshire District Council - Planning Department (West) West Berkshire Council Wokingham District Council	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016	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	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	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	March 2016	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2016	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	March 2016	Quarterly
Points of Interest - Education and Health PointX	March 2016	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2016	Quarterly
Points of Interest - Public Infrastructure PointX	March 2016	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2016	Quarterly
Underground Electrical Cables National Grid	January 2016	Bi-Annually

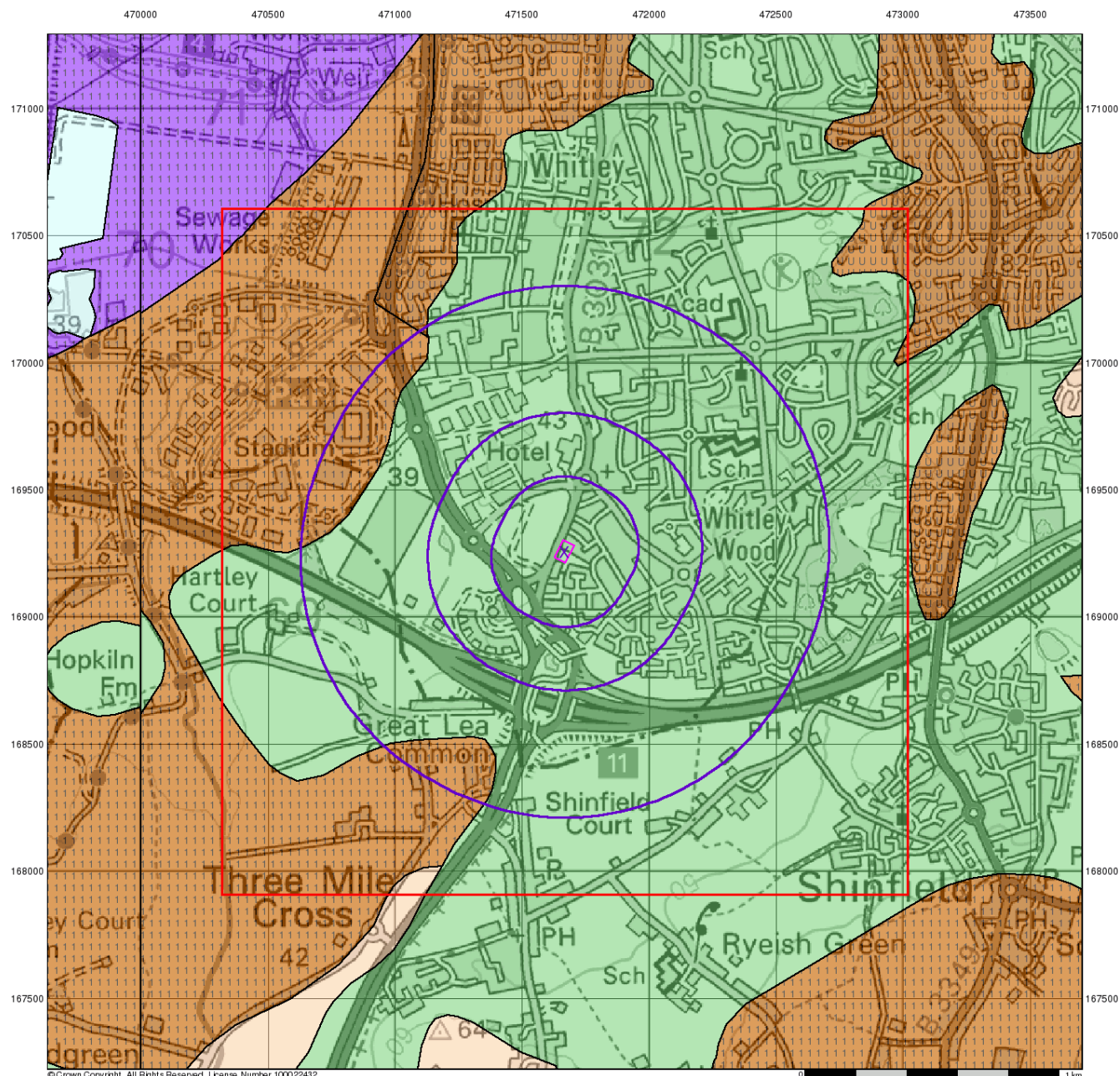
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	June 2015	Bi-Annually
Areas of Adopted Green Belt Basingstoke And Deane Borough Council South Oxfordshire District Council Wokingham District Council	January 2016 January 2016 January 2016	As notified As notified As notified
Areas of Unadopted Green Belt Basingstoke And Deane Borough Council South Oxfordshire District Council Wokingham District Council	November 201 November 201 November 201	As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	April 2016	Bi-Annually
Environmentally Sensitive Areas Natural England	April 2016	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2016	Bi-Annually
Marine Nature Reserves Natural England	April 2016	Bi-Annually
National Nature Reserves Natural England	April 2016	Bi-Annually
National Parks Natural England	March 2016	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	April 2016	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2016	Bi-Annually
Special Areas of Conservation Natural England	April 2016	Bi-Annually
Special Protection Areas Natural England	April 2016	Bi-Annually
World Heritage Sites English Heritage - National Monument Record Centre	September 2015	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 NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
2	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
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Reading Borough Council - Environmental Health Department Civic Centre, Reading, Hampshire, RG1 7DT	Telephone: 0118 939 9099 Fax: 0118 958 9770 Website: www.reading.gov.uk
5	Reading Borough Council - Planning Civic Centre, READING, Hampshire, RG1 7TD	Telephone: 0118 939 0900 Fax: 0118 958 9770 Website: www.reading.gov.uk
6	Wokingham District Council - Environmental Health Department Council Offices, Shute End, Wokingham, Surrey, RG40 1BN	Telephone: 0118 974 6000 Fax: 0118 974 5053 Website: www.wokingham.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	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
10	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	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.



Groundwater Vulnerability

General

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

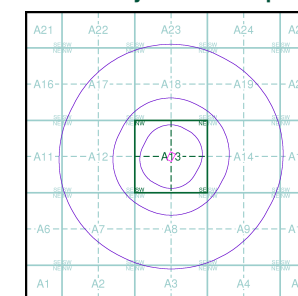
Agency and Hydrological

Geological Classes

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

Soil Classes

Site Sensitivity Context Map - Slice A



Order Details

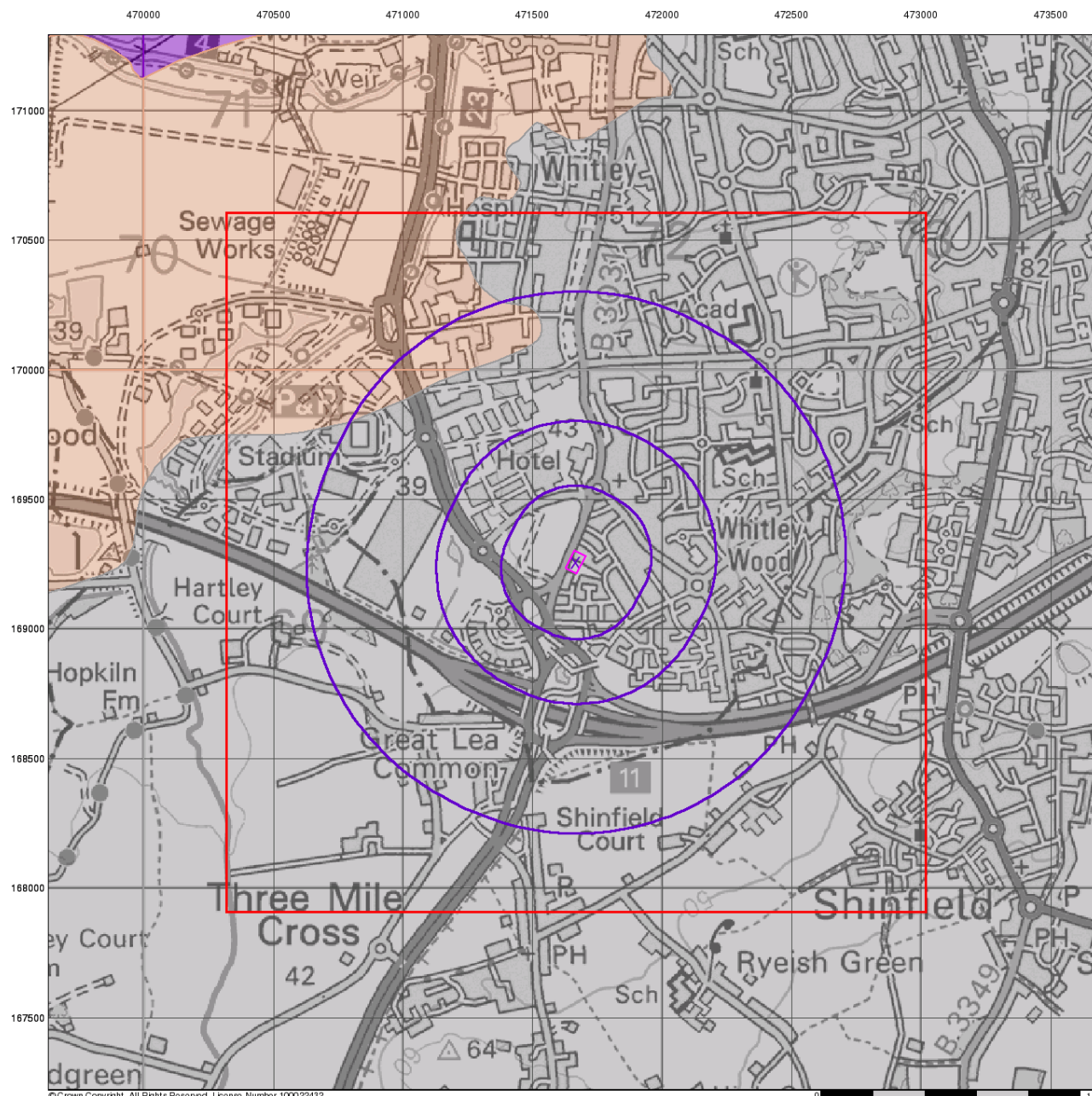
Order Number: 87325704_1_1
 Customer Ref: Fairfield
 National Grid Reference: 471670, 169260
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 1000

Site Details

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Bedrock Aquifer Designation

General

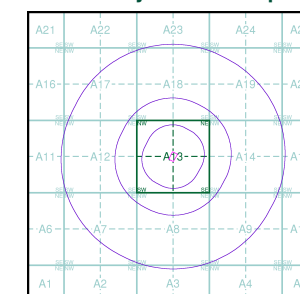
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

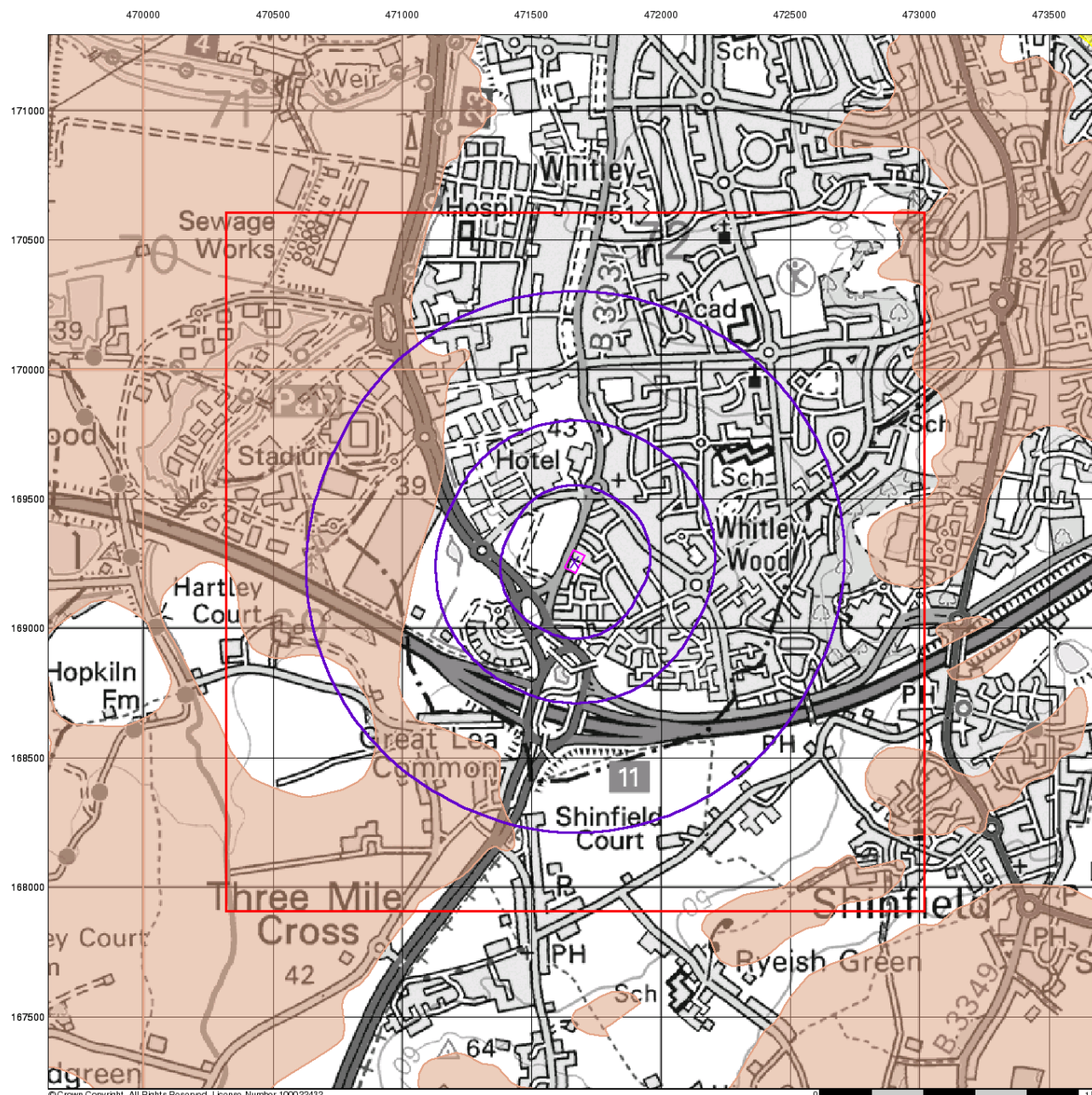
Order Number: 87325704_1_1
 Customer Ref: Fairfield
 National Grid Reference: 471670, 169260
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

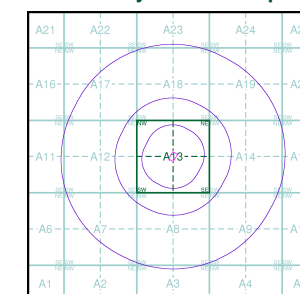
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

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



Order Details

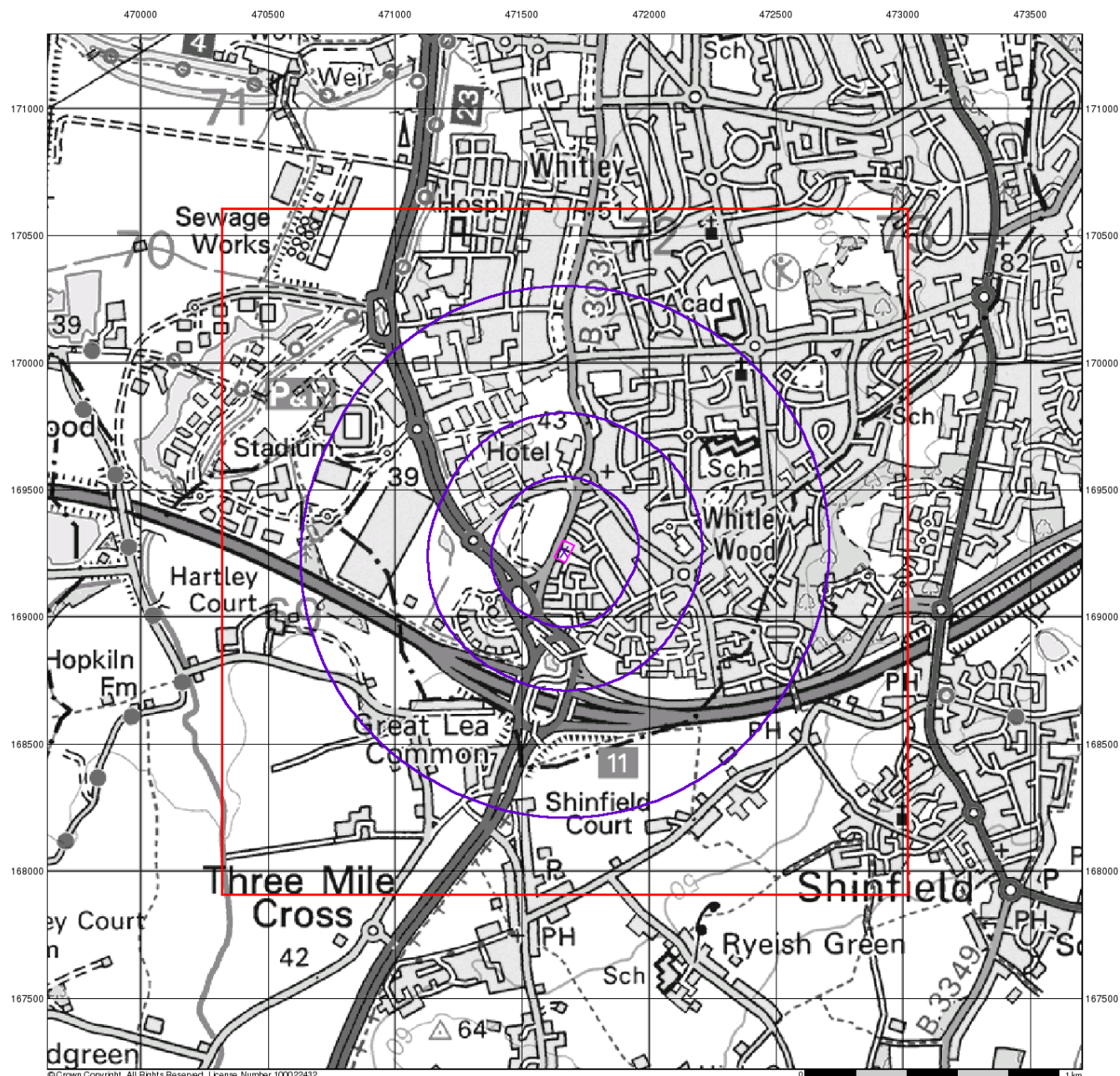
Order Number: 87325704_1_1
 Customer Ref: Fairfield
 National Grid Reference: 471670, 169260
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Source Protection Zones

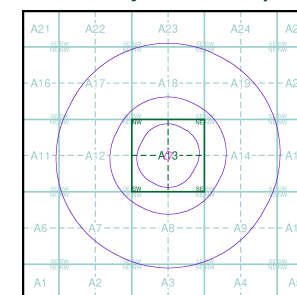
General

- 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



Order Details

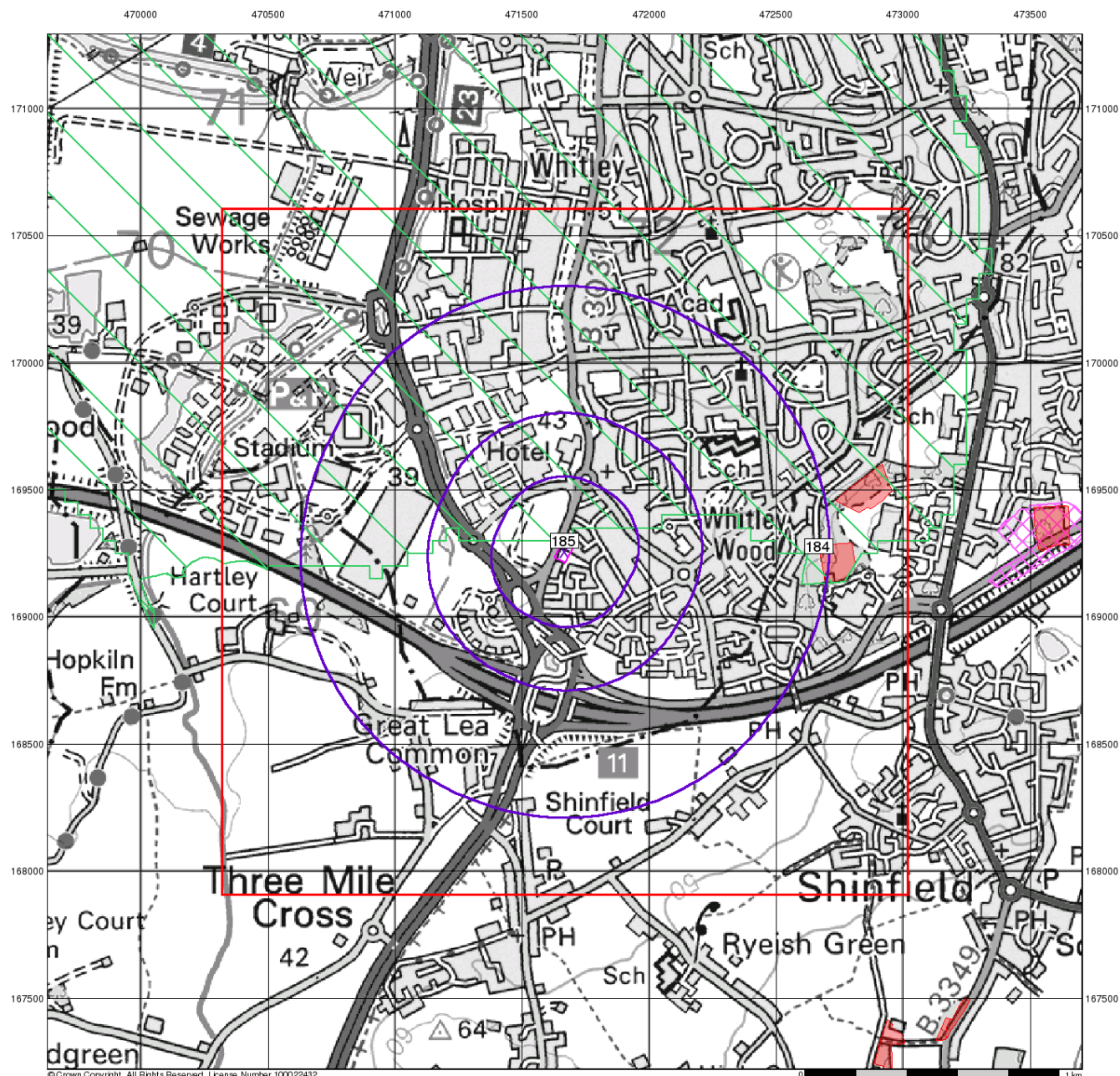
Order Number: 87325704_1_1
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Sensitive Land Uses

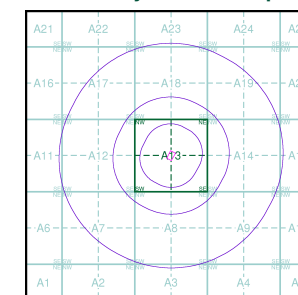
General

- 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



Order Details

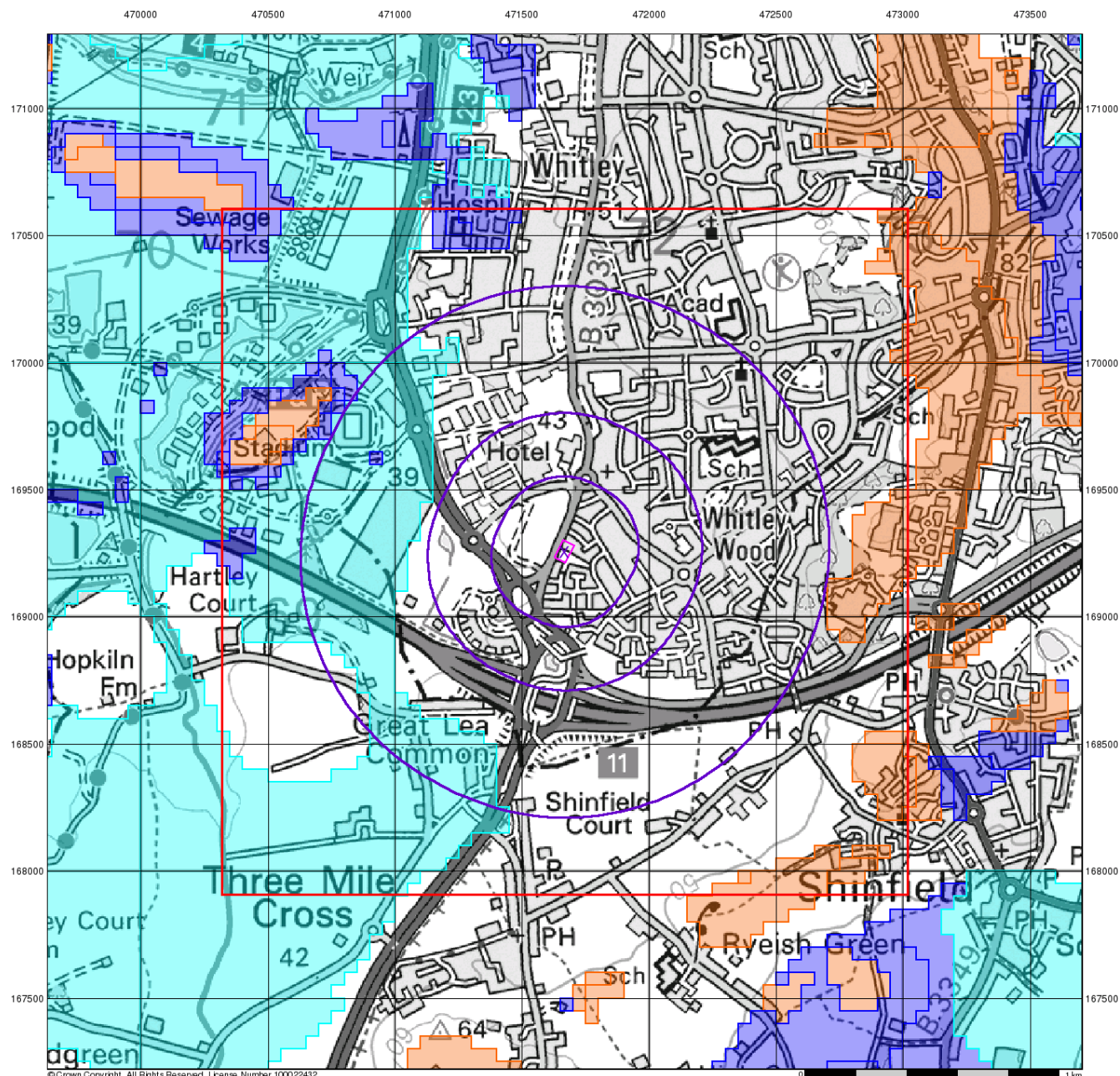
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BGS Flood GFS Data

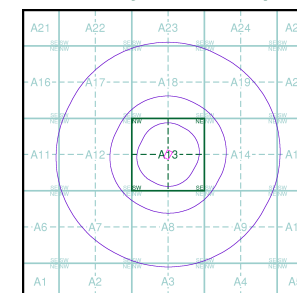
General

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

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 87325704_1_1
 Customer Ref: Fairfield
 National Grid Reference: 471670, 169260
 Slice: A
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 Search Buffer (m): 1000

Site Details

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General

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

Agency and Hydrological

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

Waste

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

Hazardous Substances

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

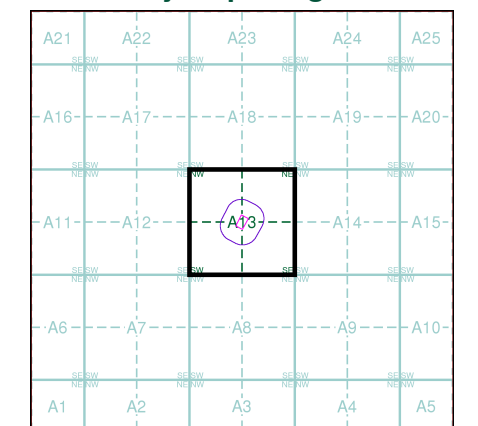
Geological

-  BGS Recorded Mineral Site

Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry

Site Sensitivity Map - Segment A13

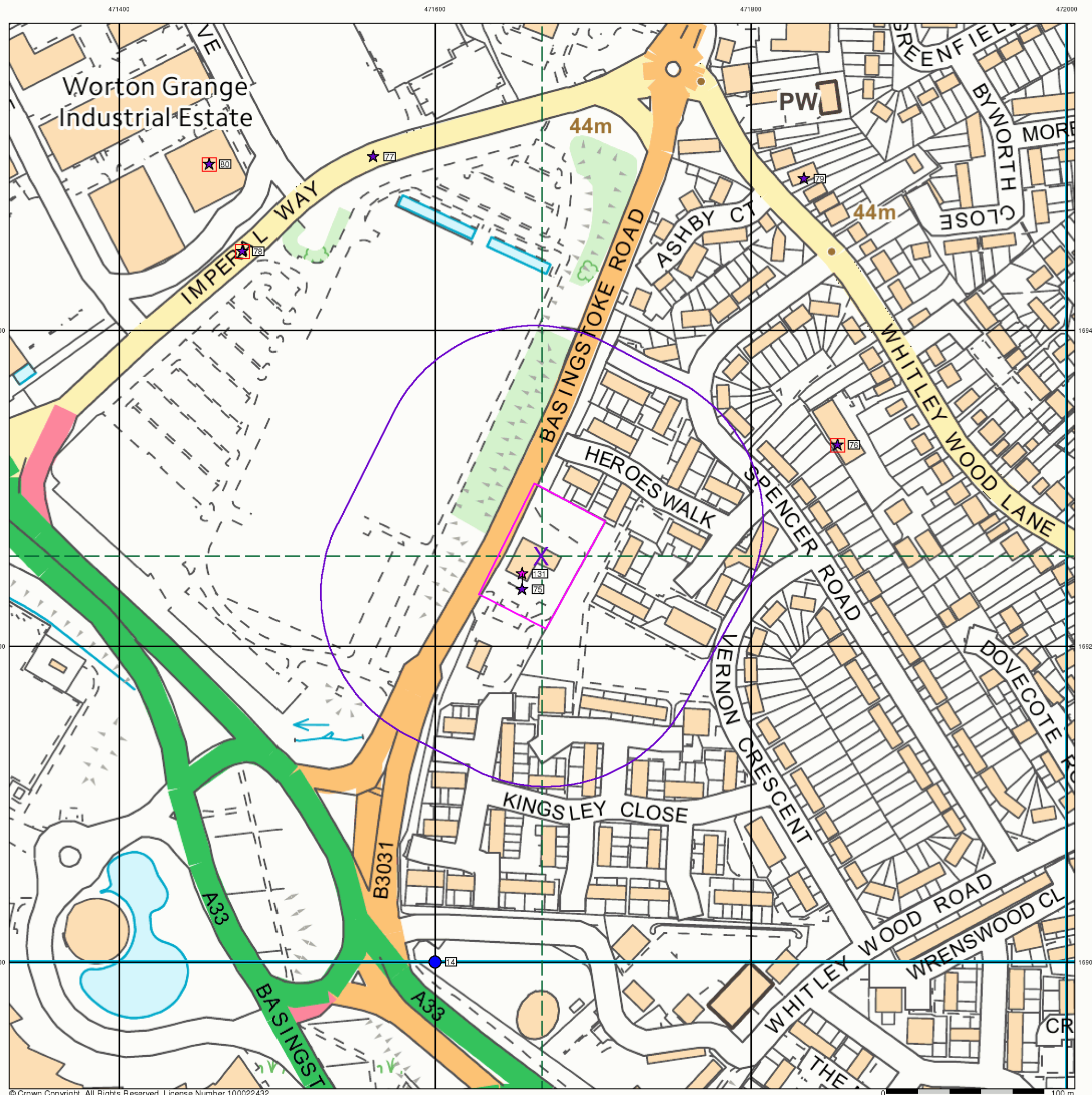


Order Details

Order Number: 87325704_1_1
Customer Ref: Fairfield
National Grid Reference: 471670, 169260
Slice: A
Site Area (Ha): 0.39

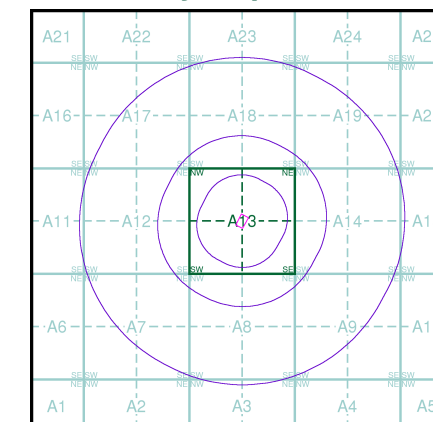
Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A

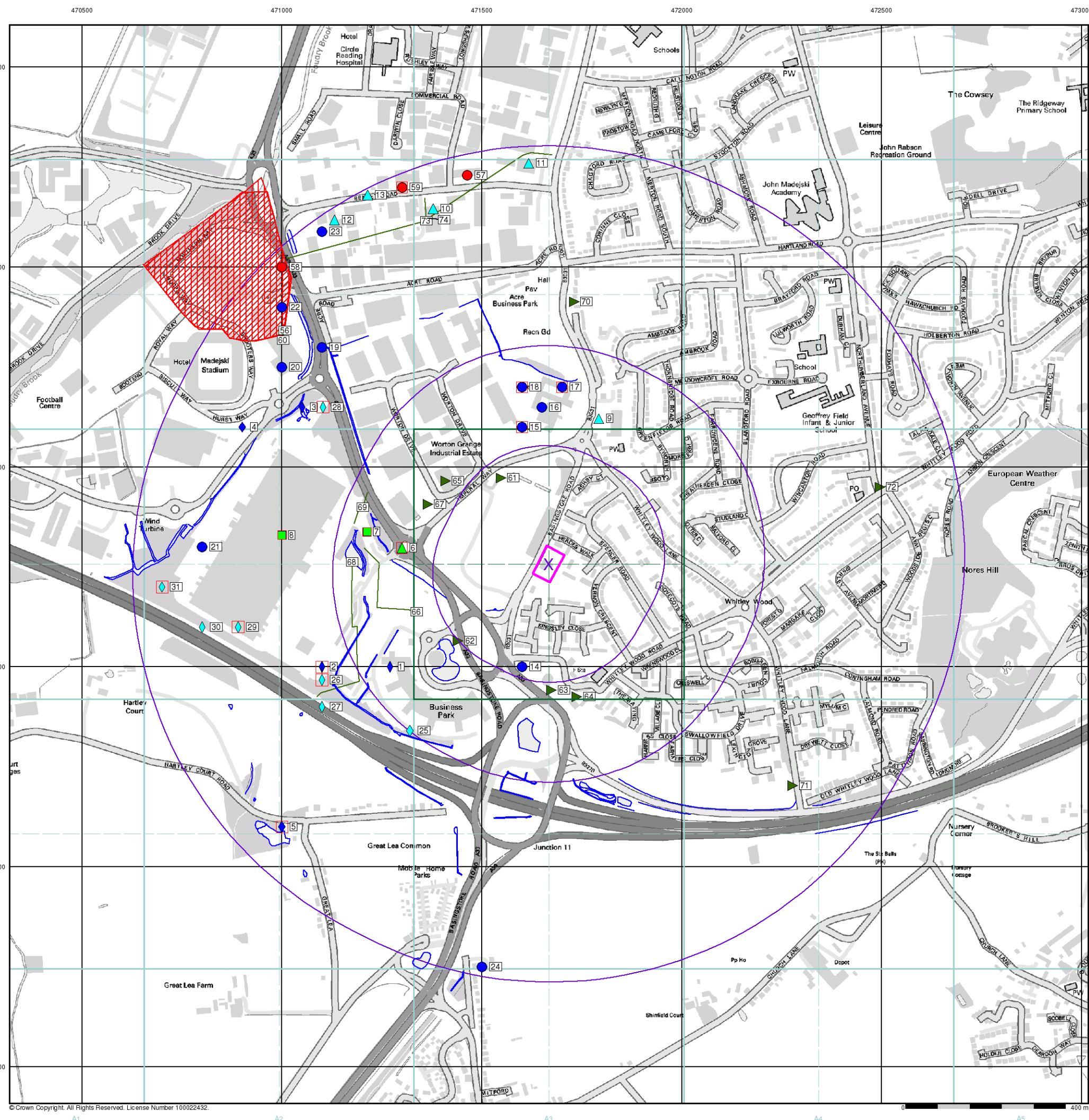


Order Details

Order Number: 87325704_1_1
 Customer Ref: Fairfield
 National Grid Reference: 471670, 169260
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



Industrial Land Use Map

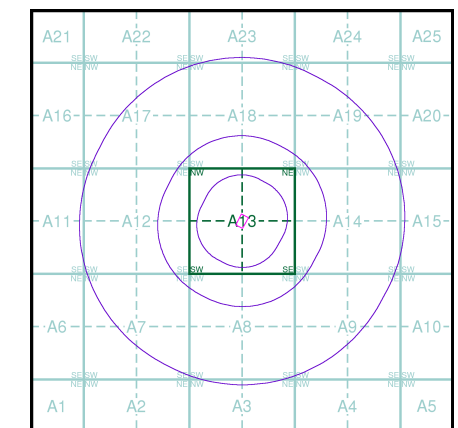
General

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

Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Points of Interest - Commercial Services
-  Points of Interest - Education and Health
-  Points of Interest - Manufacturing and Production
-  Points of Interest - Public Infrastructure
-  Points of Interest - Recreational and Environmental
-  Underground Electrical Cables

Industrial Land Use Map - Slice A

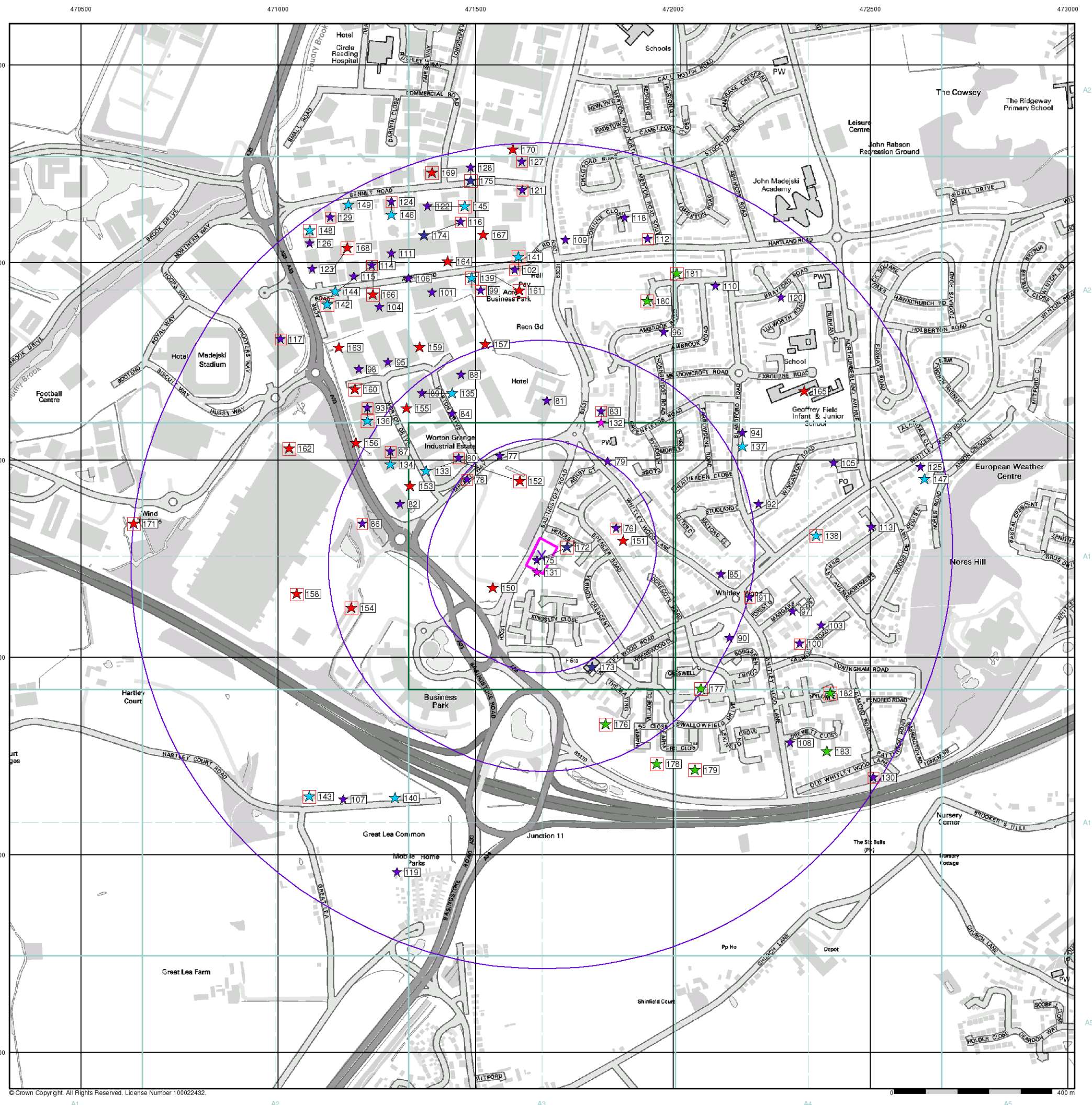


Order Details

Order Number: 87325704_1_1
 Customer Ref: Fairfield
 National Grid Reference: 471670, 169260
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 Site Area (Ha): 0.39
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Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



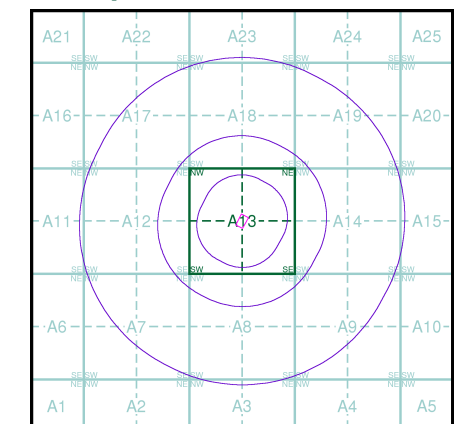
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

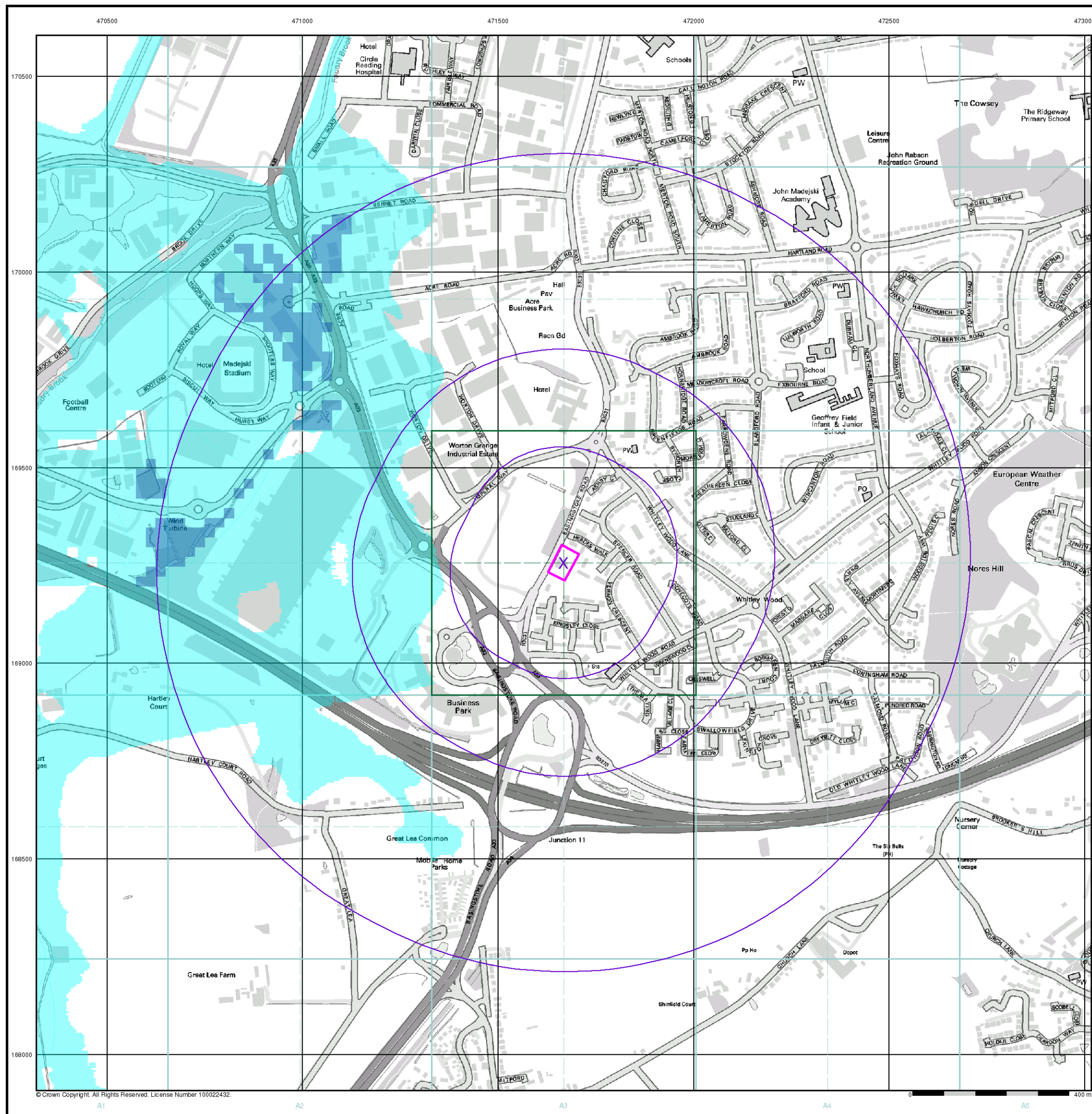


Order Details

Order Number: 87325704_1_1
 Customer Ref: Fairfield
 National Grid Reference: 471670, 169260
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



General

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

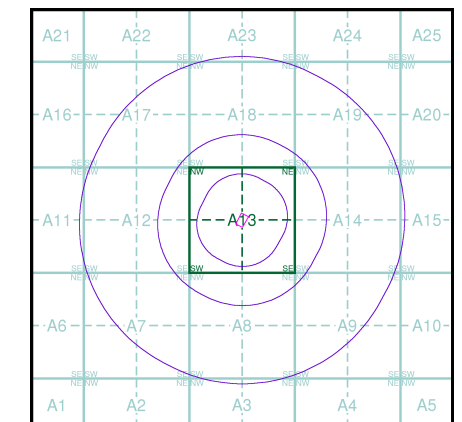
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A

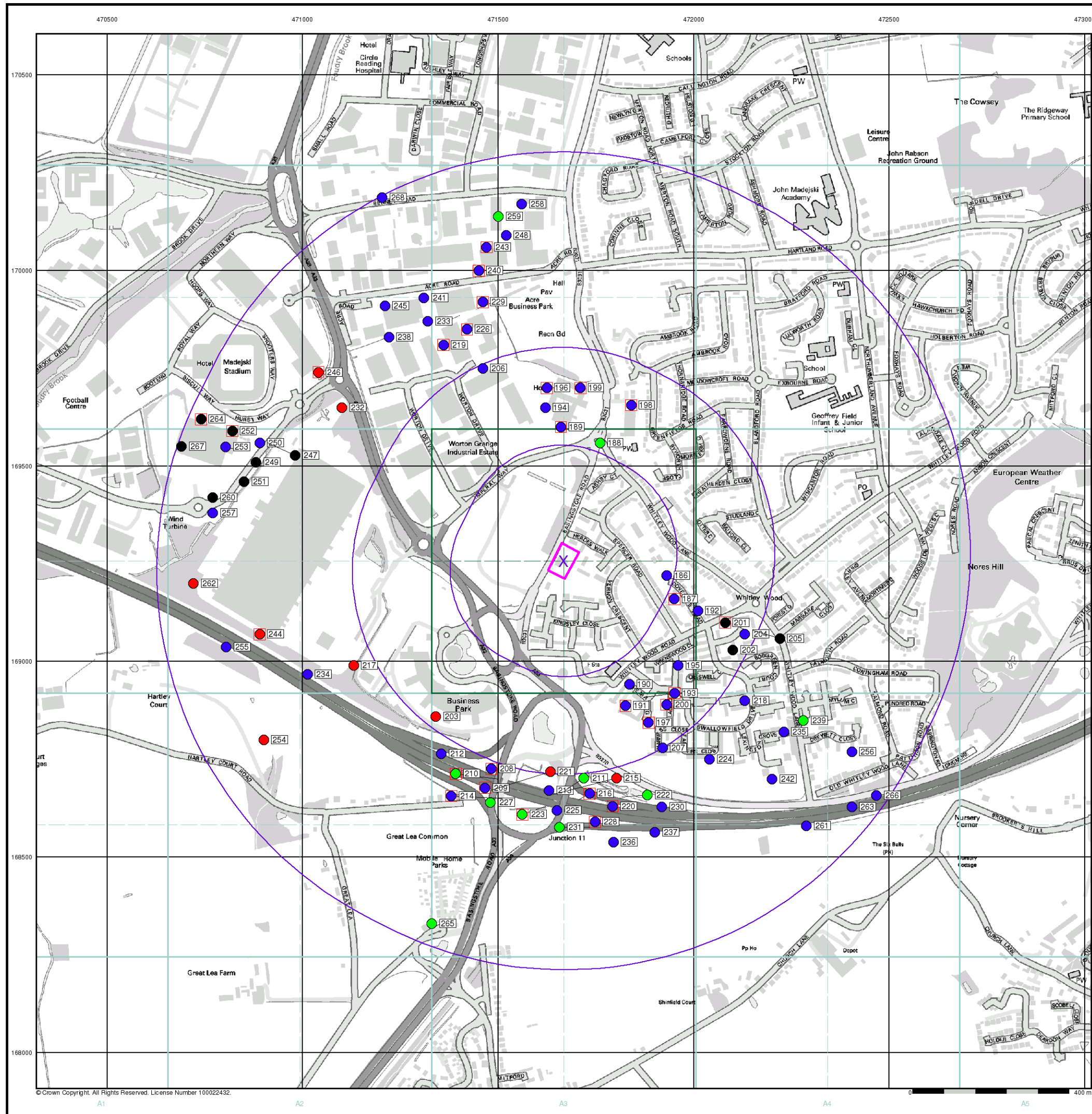


Order Details

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 Customer Ref: Fairfield
 National Grid Reference: 471670, 169260
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



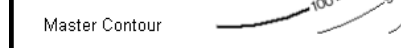
General

-  Specified Site
-  Specified Buffer(s)
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-  Map ID

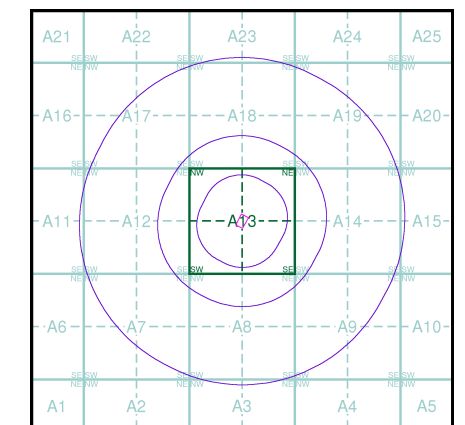
Detailed River Network Data

- | | |
|--|---|
|  Primary River |  Extended Culvert (greater than 50m) |
|  Secondary River |  Underground River (inferred) |
|  Tertiary River |  Underground River (local knowledge) |
|  Canal |  Downstream of High Water Mark |
|  Canal Tunnel |  Downstream of Seaward Extension |
|  Undefined River |  Not assigned River feature |
|  Lake/Reservoir | |
|  Offline Drainage Feature | |

Contours (height in metres)

- Standard Contour   MLW Mean Low Water
- Master Contour   MHW Mean High Water
- Spot Height  167.3

E/NRW Detailed River Network Map - Slice A

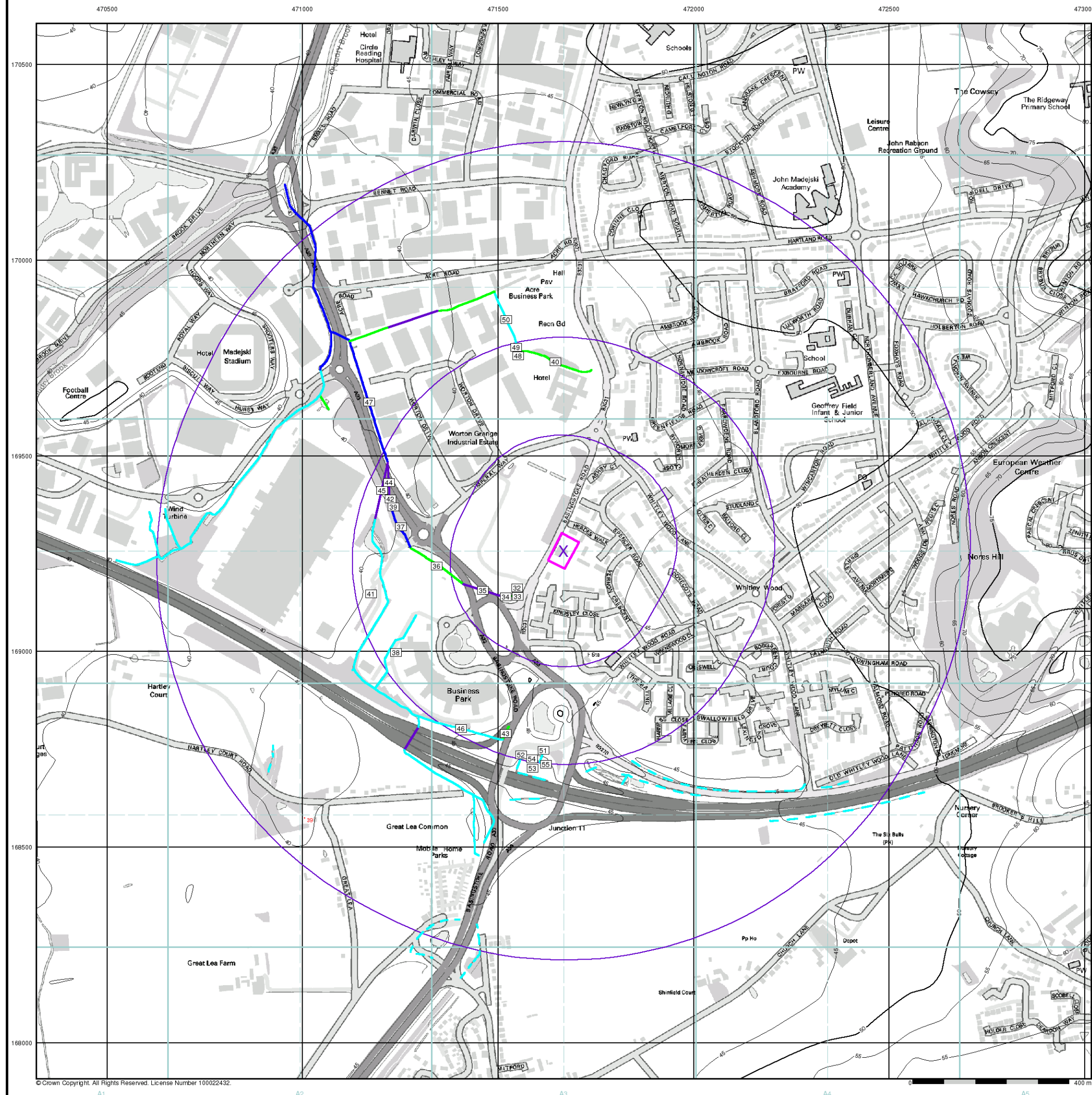


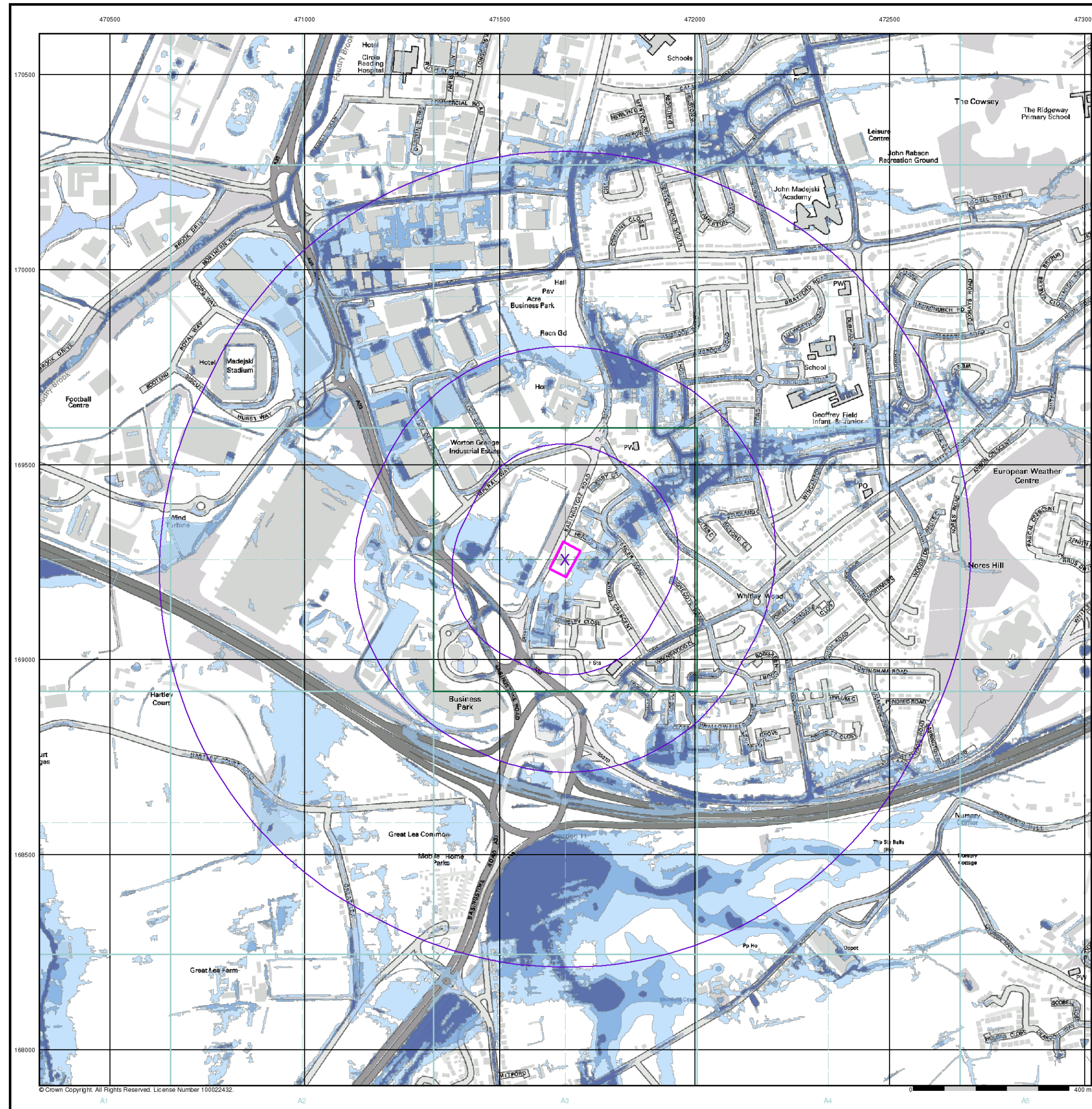
Order Details

Order Number: 87325704_1_1
 Customer Ref: Fairfield
 National Grid Reference: 471670, 169260
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 1000

Site Details

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General

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

Risk of Flooding from Surface Water

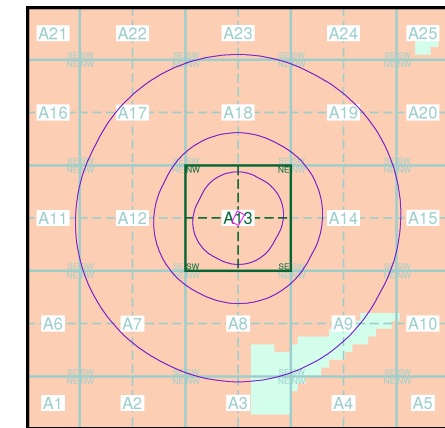
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

E/NRW Suitability Map - Slice A



Order Details

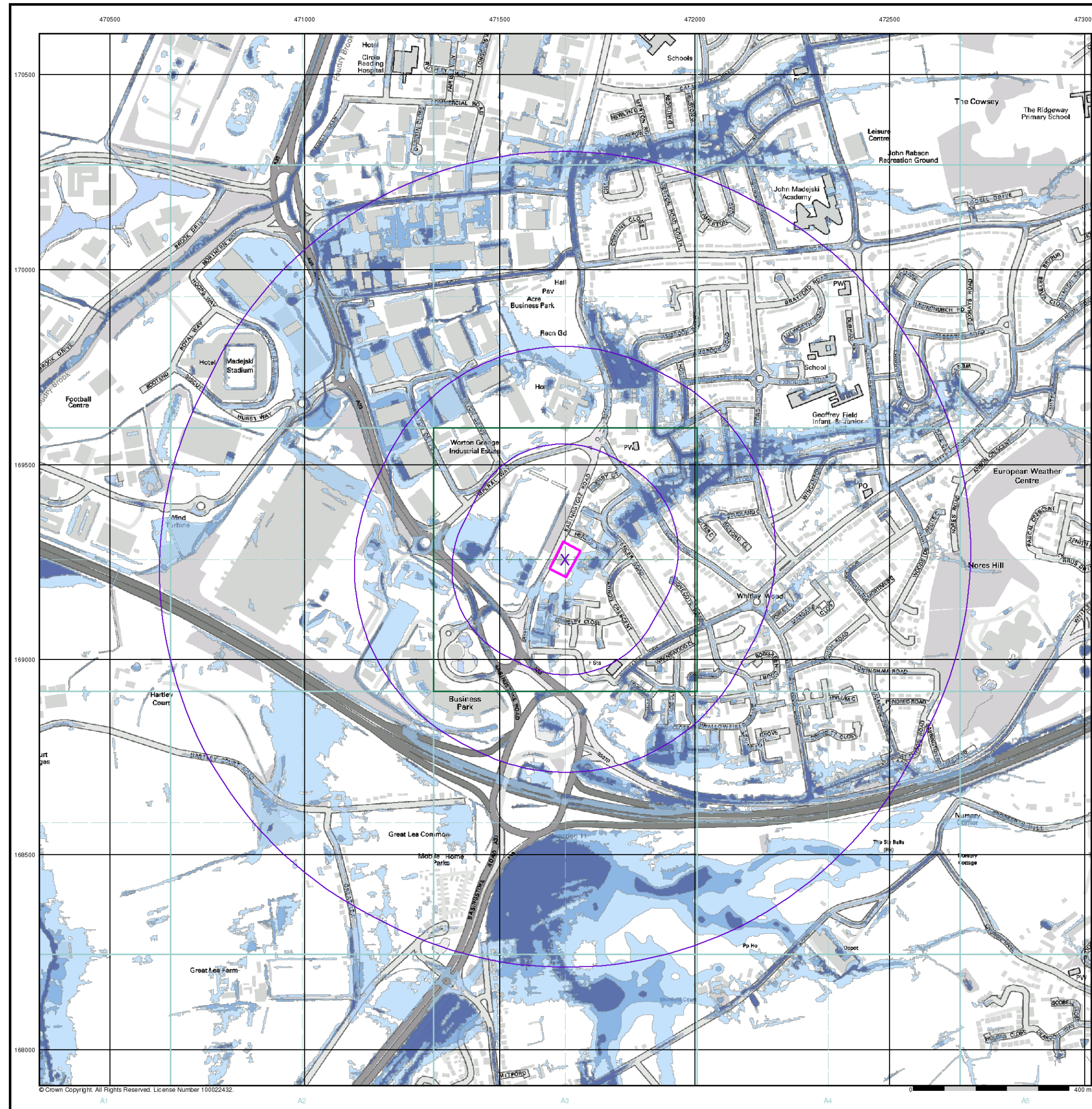
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General

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

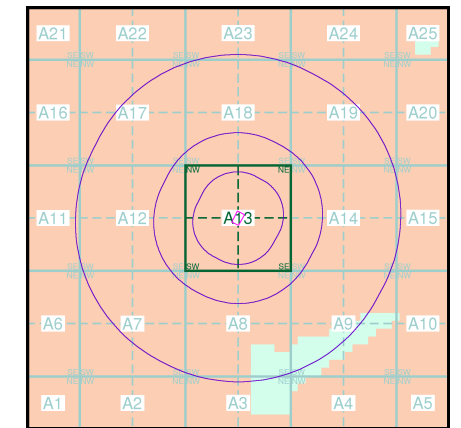
Risk of Flooding from Surface Water

- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

- See the suitability map below
- National to county
 - County to town
 - Town to street
 - Street to parcels of land
 - Property

E/NRW Suitability Map - Slice A



Order Details

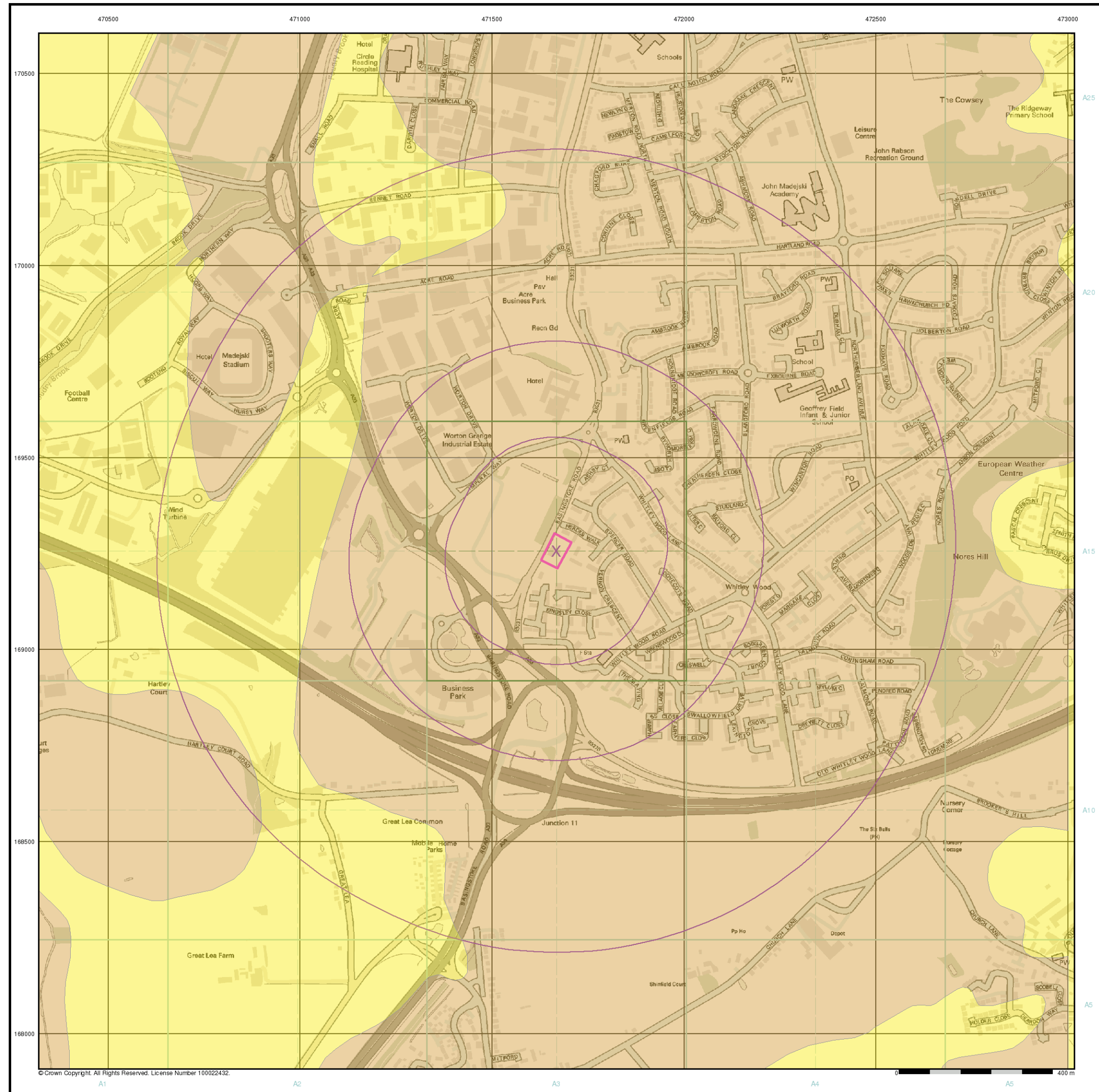
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Customer Ref: Fairfield
National Grid Reference: 471670, 169260
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Tel: 0844 844 9952
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Web: www.envirocheck.co.uk

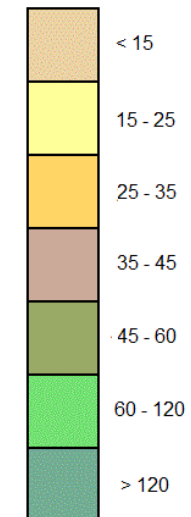


General

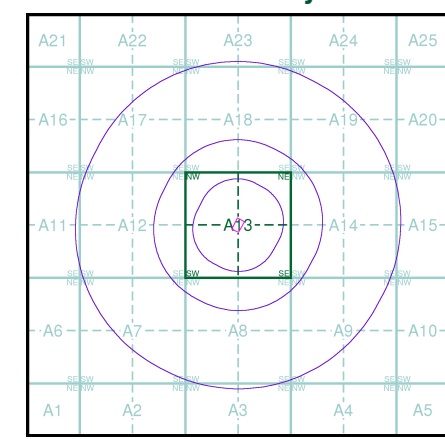
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

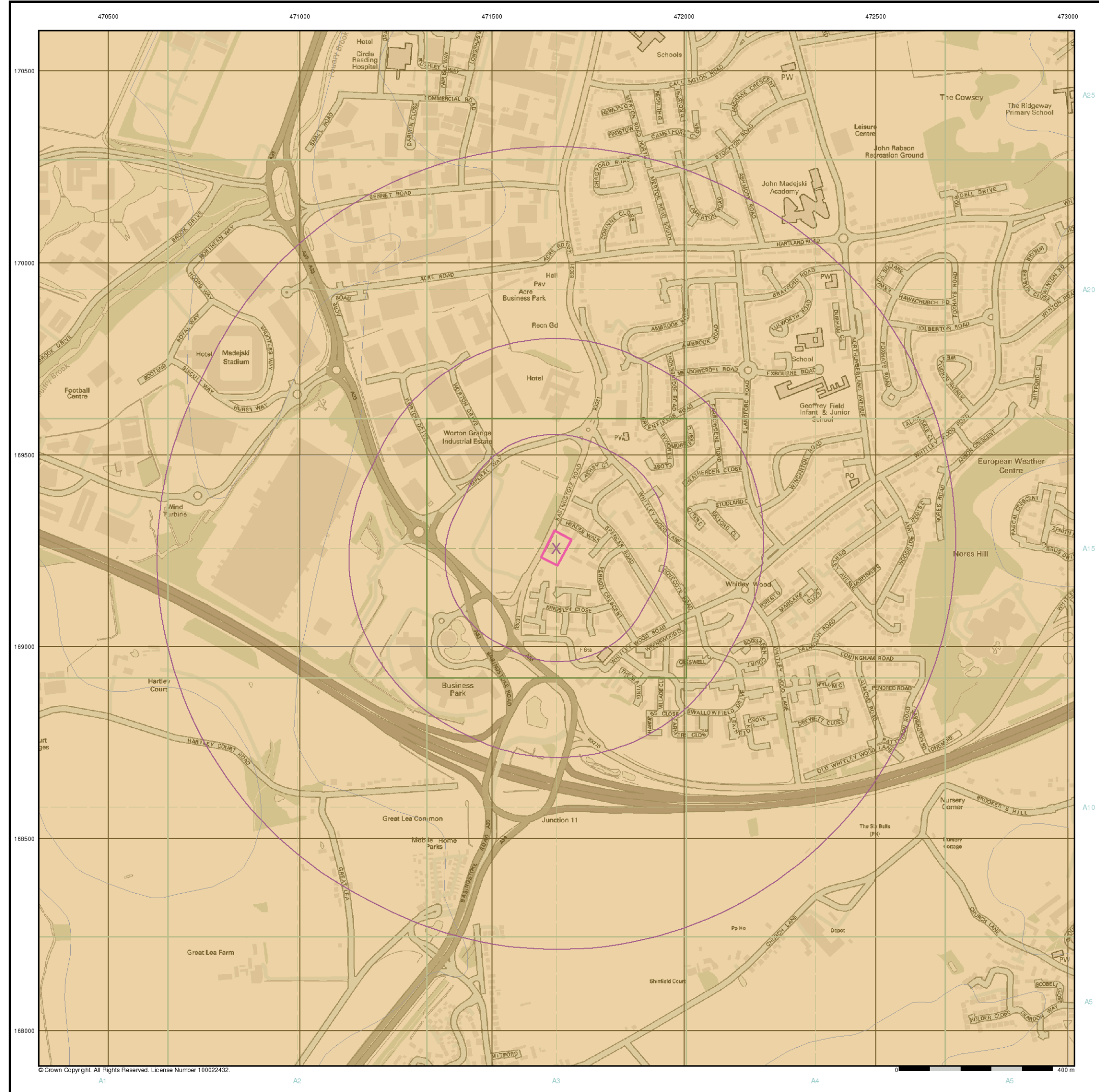
Order Details: 87325704_1_1
Customer Ref: Fairfield
National Grid Reference: 471670, 169260
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



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



General

Specified Site
 Specified Buffer(s)
 Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

	< 1.8
	1.8 - 2.2
	2.2 - 3.0
	> 3.0

Estimated Soil Chemistry Cadmium - Slice A

Order Details

Order Details: 87325704_1_1
 Customer Ref: Fairfield
 National Grid Reference: 471670, 169260
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA

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General

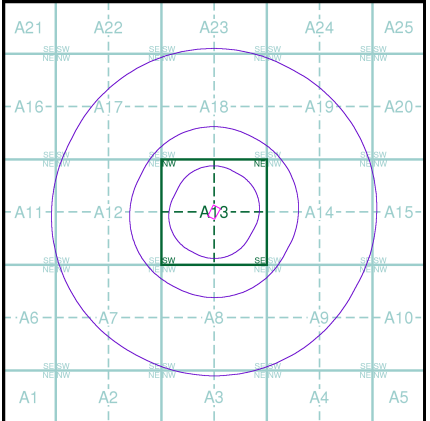
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

	< 20
	20 - 40
	40 - 60
	60 - 90
	90 - 120
	120 - 180
	> 180

Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details:	87325704_1_1
Customer Ref:	Fairfield
National Grid Reference:	471670, 169260
Slice:	A
Site Area (Ha):	0.39
Search Buffer (m):	1000

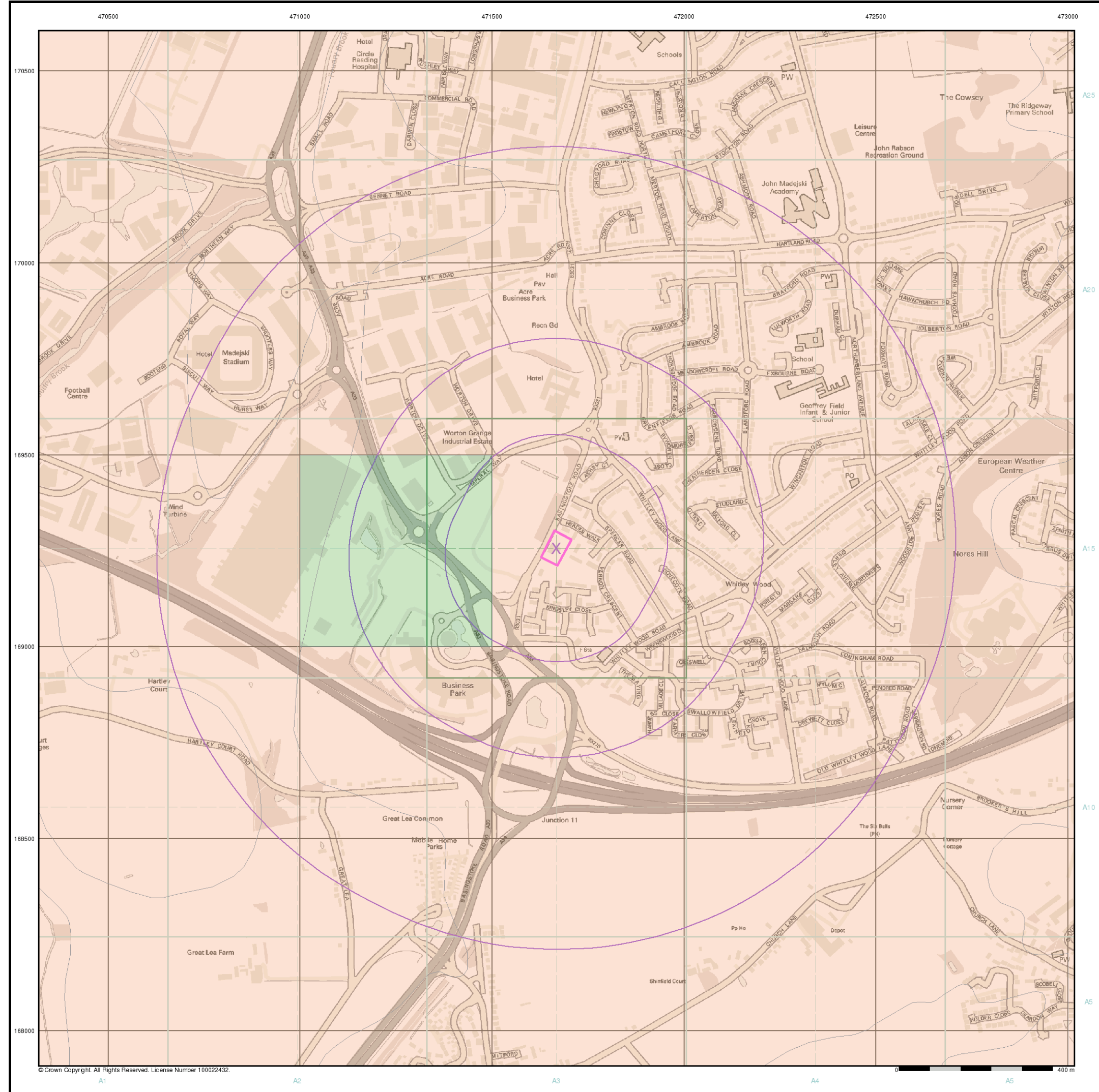
Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



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Web: www.envirocheck.co.uk

A Landmark Information Group Service v49.0 24-May-2016 Page 3 of 5





General

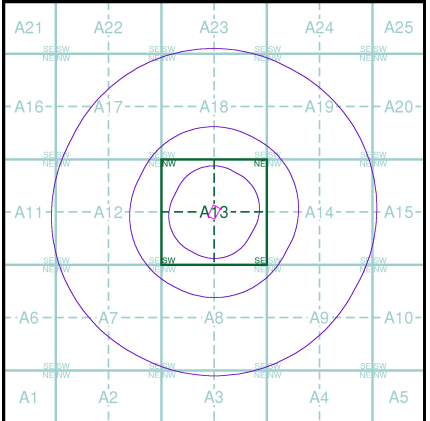
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

	<100 mg/kg
	100 - 200
	200 - 300
	300 - 600
	600 - 1200
	>1200

Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details:	87325704_1_1
Customer Ref:	Fairfield
National Grid Reference:	471670, 169260
Slice:	A
Site Area (Ha):	0.39
Search Buffer (m):	1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



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

A Landmark Information Group Service v49.0 24-May-2016 Page 4 of 5

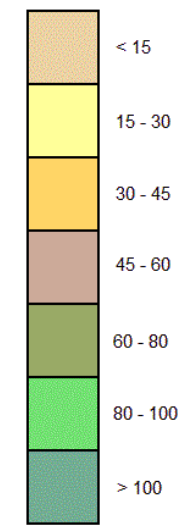


General

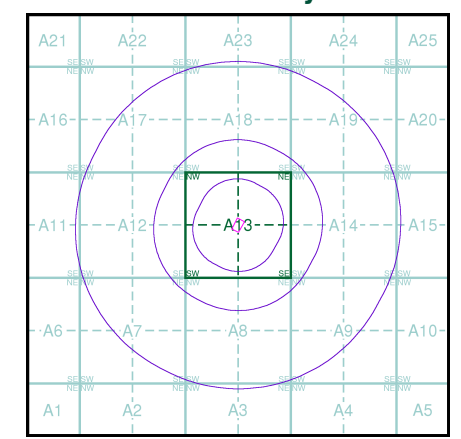
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

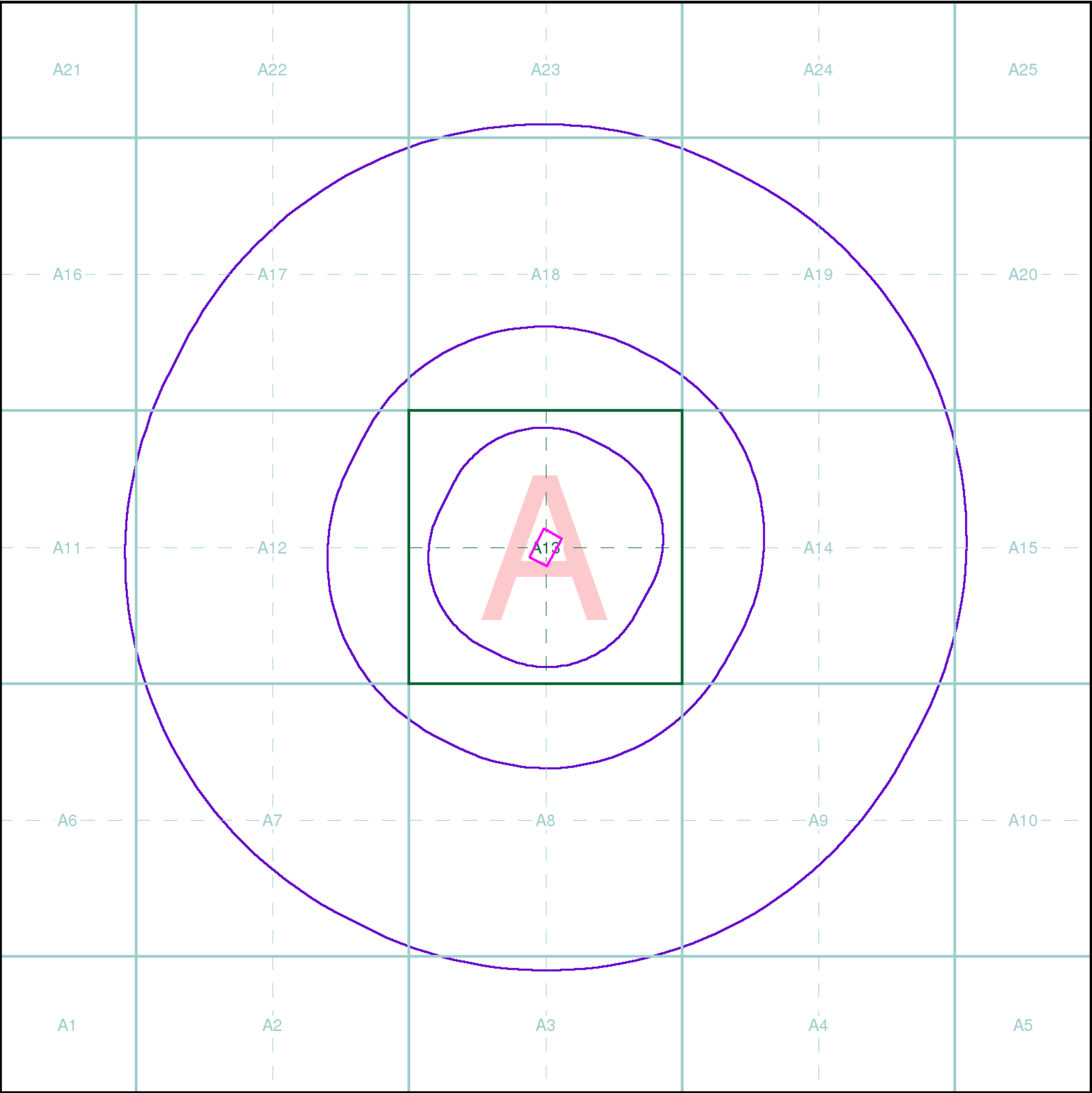
Order Details: 87325704_1_1
Customer Ref: Fairfield
National Grid Reference: 471670, 169260
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



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Index Map

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

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

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

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details
Miss K Mellor, Aecom Infrastructure & Environment UK Ltd,
2nd Floor, St Georges House, 5 St Georges Road, London,
SW19 4DR

Order Details
Order Number: 87325704_1_1
Customer Ref: Fairfield
National Grid Reference: 471670, 169260
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details
Shell Service Station, Basingstoke Road, READING, RG2 0TA

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

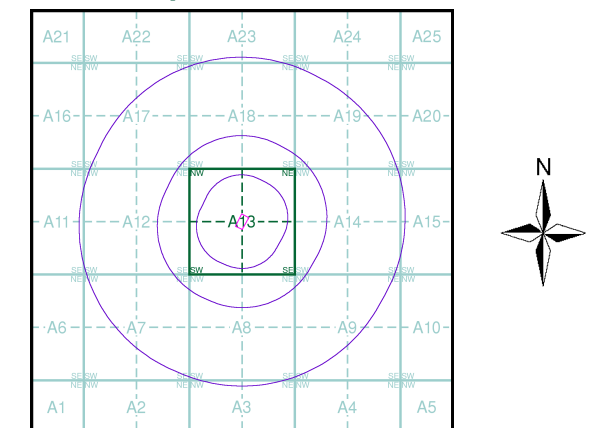
1:10,000 Raster Mapping

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

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Berkshire	1:10,560	1883	3
Berkshire	1:10,560	1900	4
Berkshire	1:10,560	1901	5
Berkshire	1:10,560	1913	6
Berkshire	1:10,560	1938	7
Historical Aerial Photography	1:10,560	1948	8
Ordnance Survey Plan	1:10,000	1961 - 1962	9
Ordnance Survey Plan	1:10,000	1961	10
Ordnance Survey Plan	1:10,000	1971 - 1973	11
Ordnance Survey Plan	1:10,000	1976 - 1979	12
Ordnance Survey Plan	1:10,000	1984	13
Ordnance Survey Plan	1:10,000	1990	14
Reading	1:10,000	1990	15
Ordnance Survey Plan	1:10,000	1995	16
10K Raster Mapping	1:10,000	1999	17
10K Raster Mapping	1:10,000	2006	18
10K Raster Mapping	1:10,000	2011	19

Historical Map - Slice A



Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

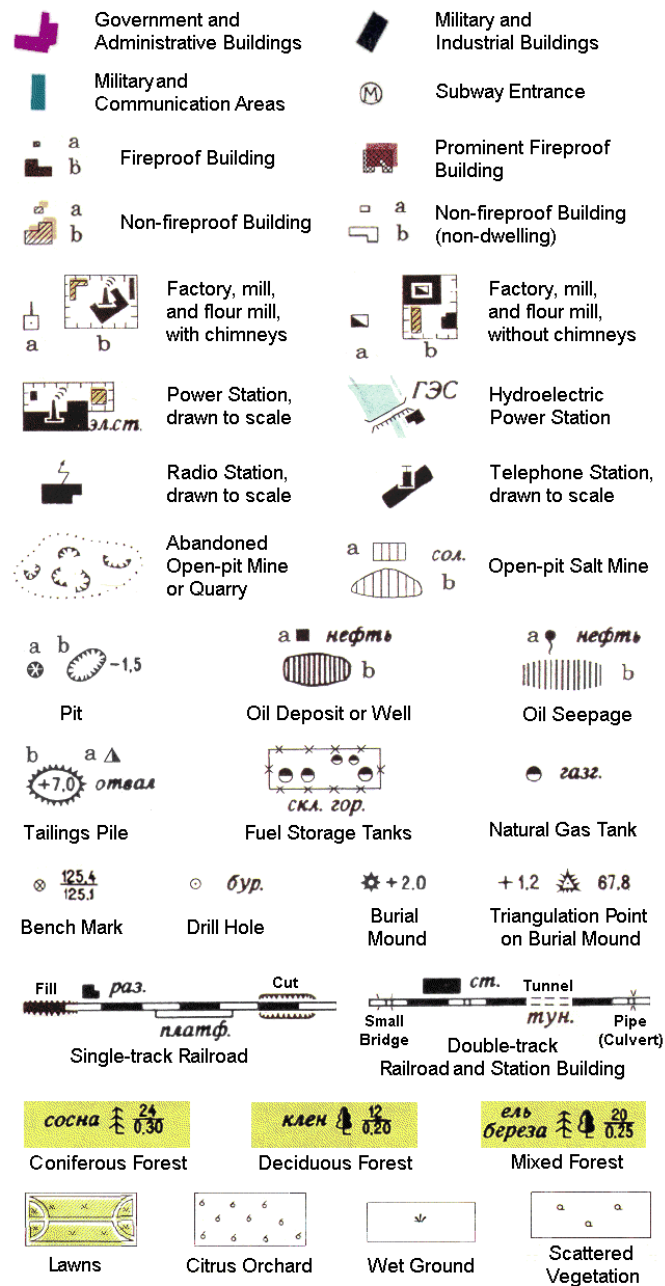
Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA

Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale



243.8 Values for prominent elevations

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

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

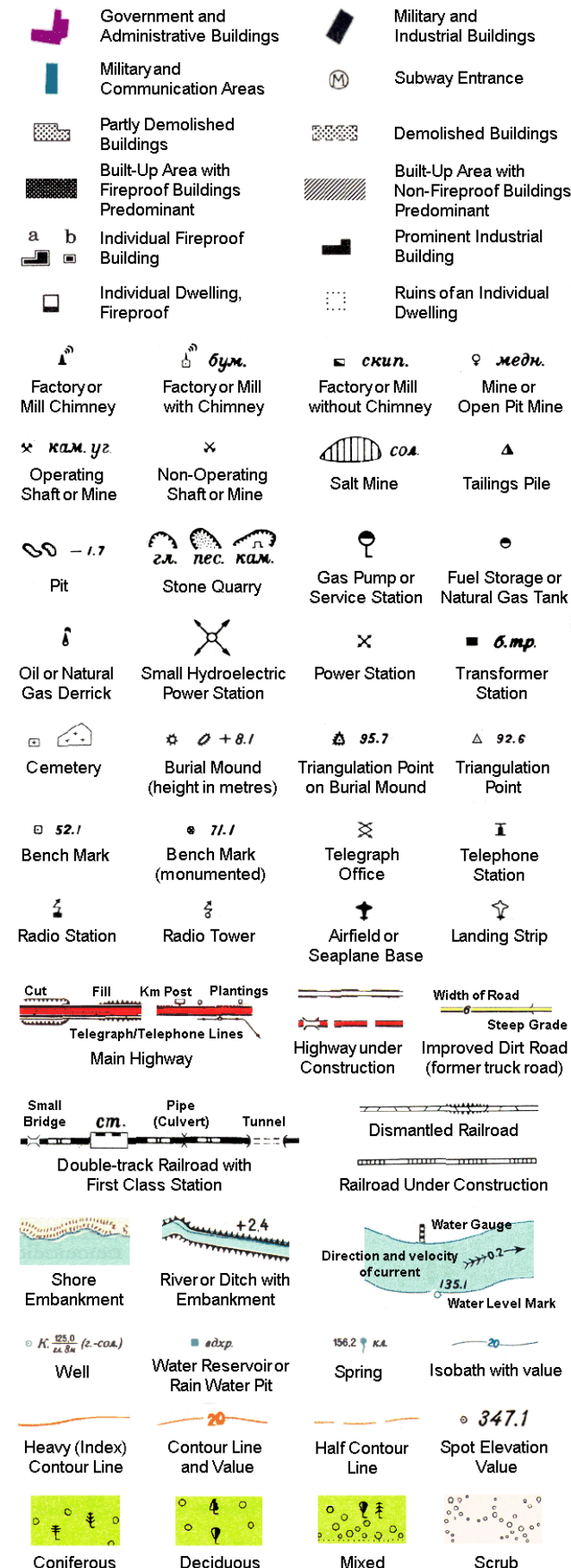
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale



Key to Numbers on Mapping

SU76NW_Reading

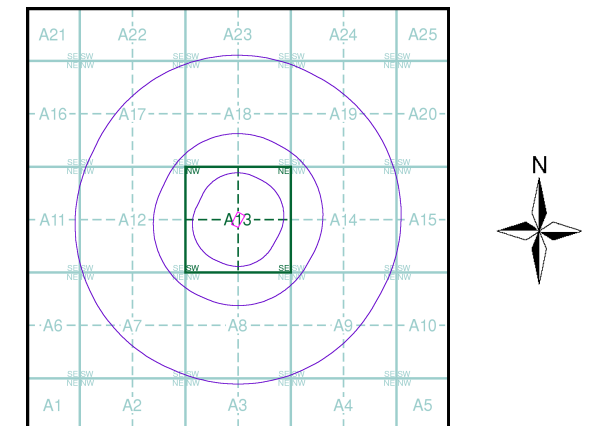
No.	Description
18	Factory (Radio Electronics) And Brewery



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Berkshire	1:10,560	1883	3
Berkshire	1:10,560	1900	4
Berkshire	1:10,560	1901	5
Berkshire	1:10,560	1913	6
Berkshire	1:10,560	1938	7
Historical Aerial Photography	1:10,560	1948	8
Ordnance Survey Plan	1:10,000	1961 - 1962	9
Ordnance Survey Plan	1:10,000	1961	10
Ordnance Survey Plan	1:10,000	1971 - 1973	11
Ordnance Survey Plan	1:10,000	1976 - 1979	12
Ordnance Survey Plan	1:10,000	1984	13
Ordnance Survey Plan	1:10,000	1990	14
Reading	1:10,000	1990	15
Ordnance Survey Plan	1:10,000	1995	16
10K Raster Mapping	1:10,000	1999	17
10K Raster Mapping	1:10,000	2006	18
10K Raster Mapping	1:10,000	2011	19

Russian Map - Slice A



Order Details

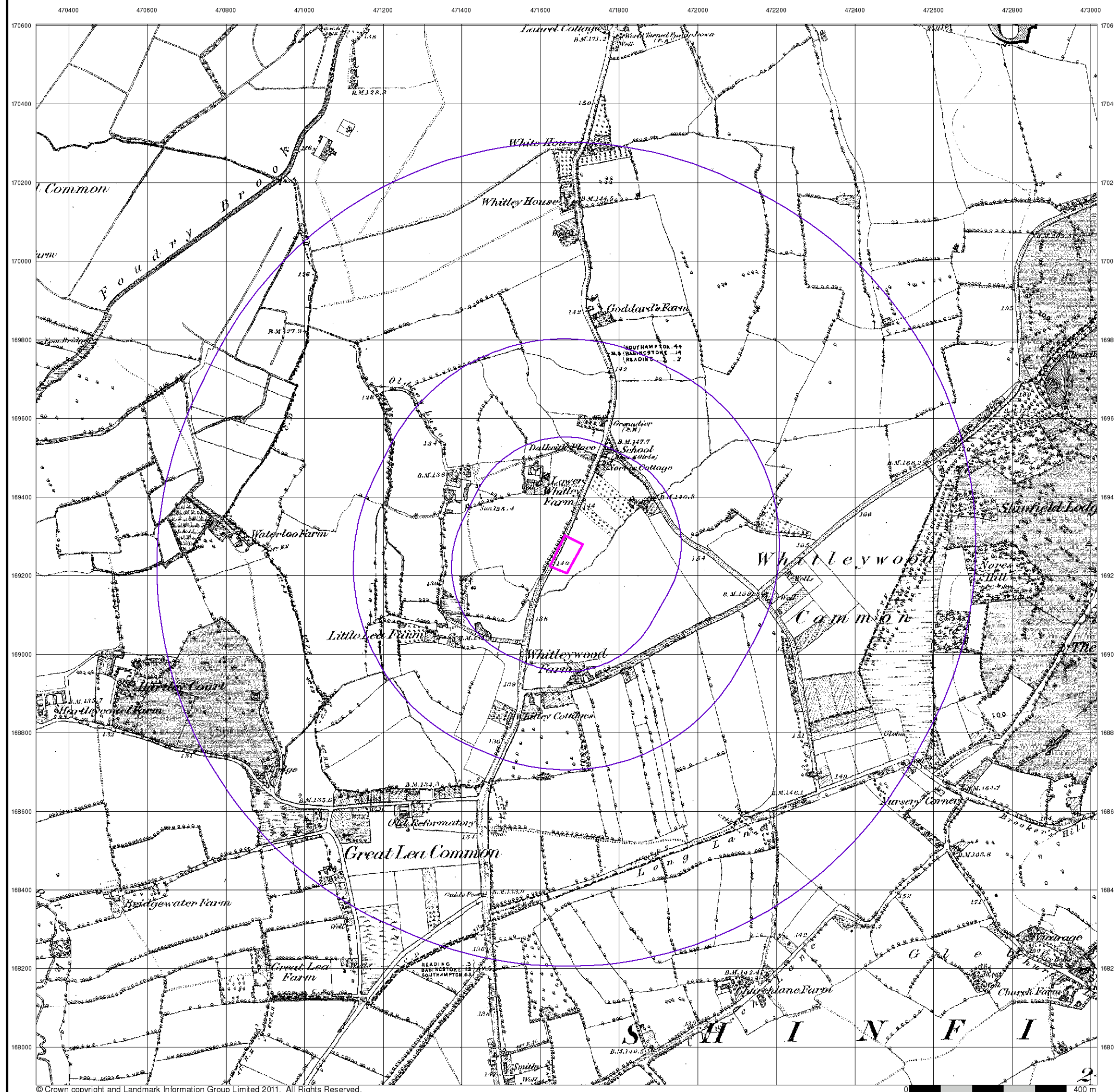
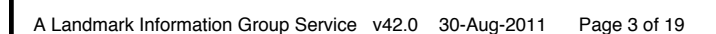
Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



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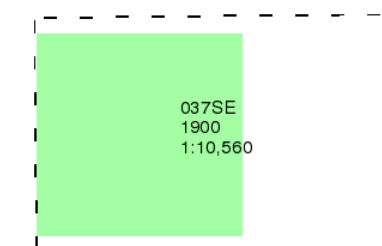
Berkshire

Published 1900

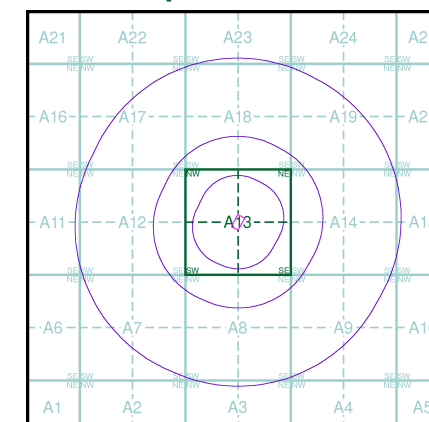
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

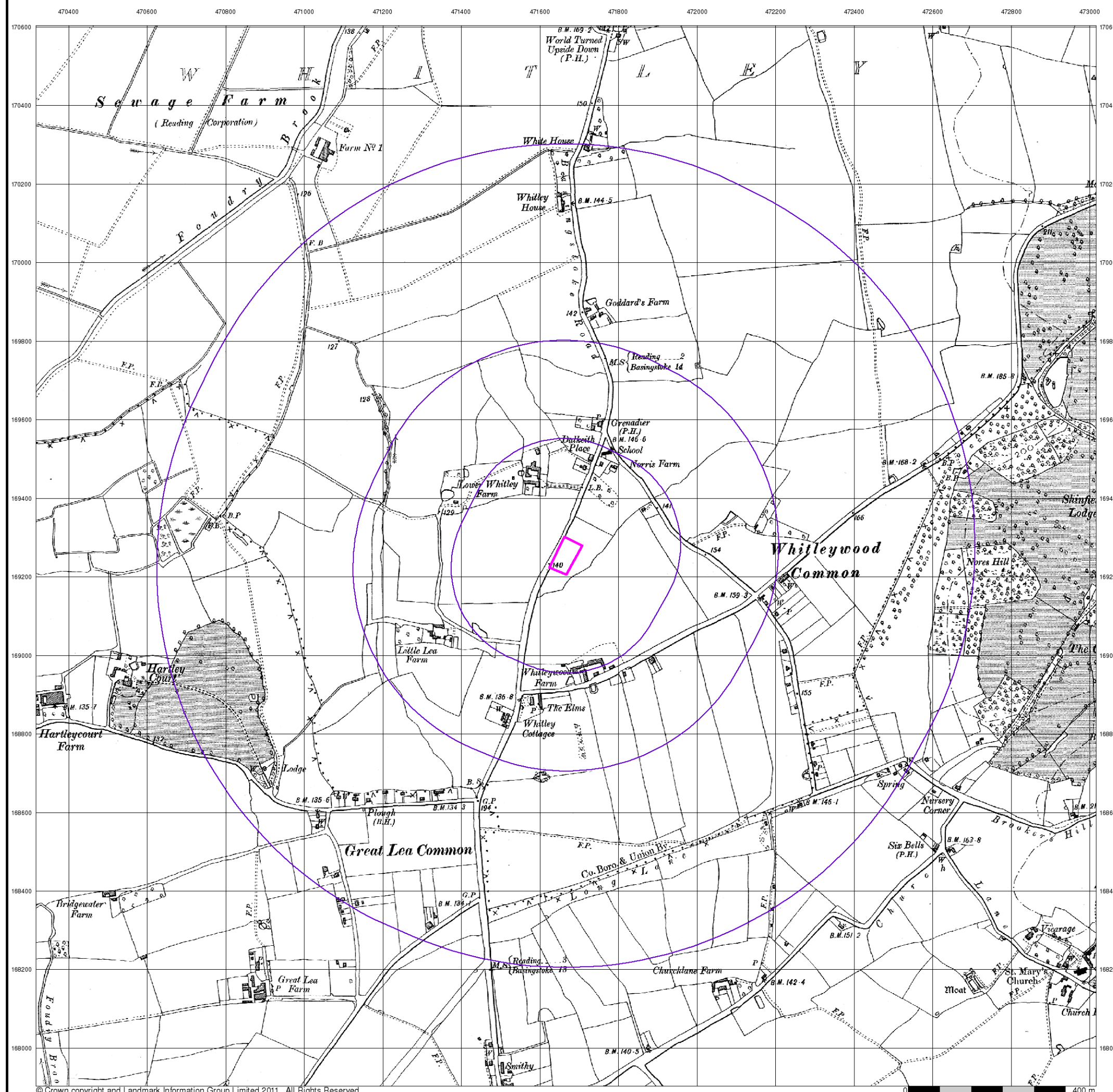


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



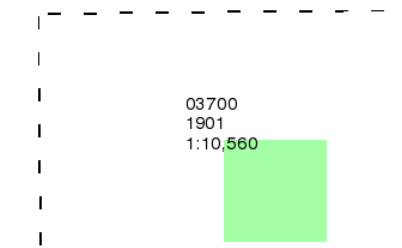
Berkshire

Published 1901

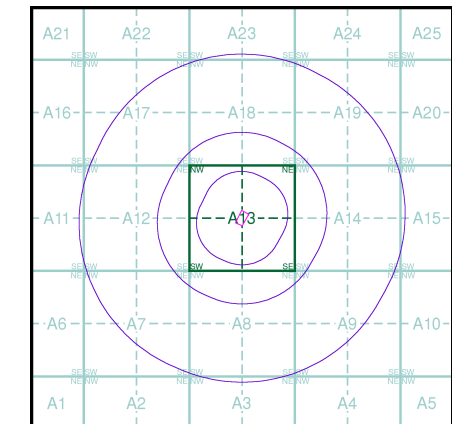
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

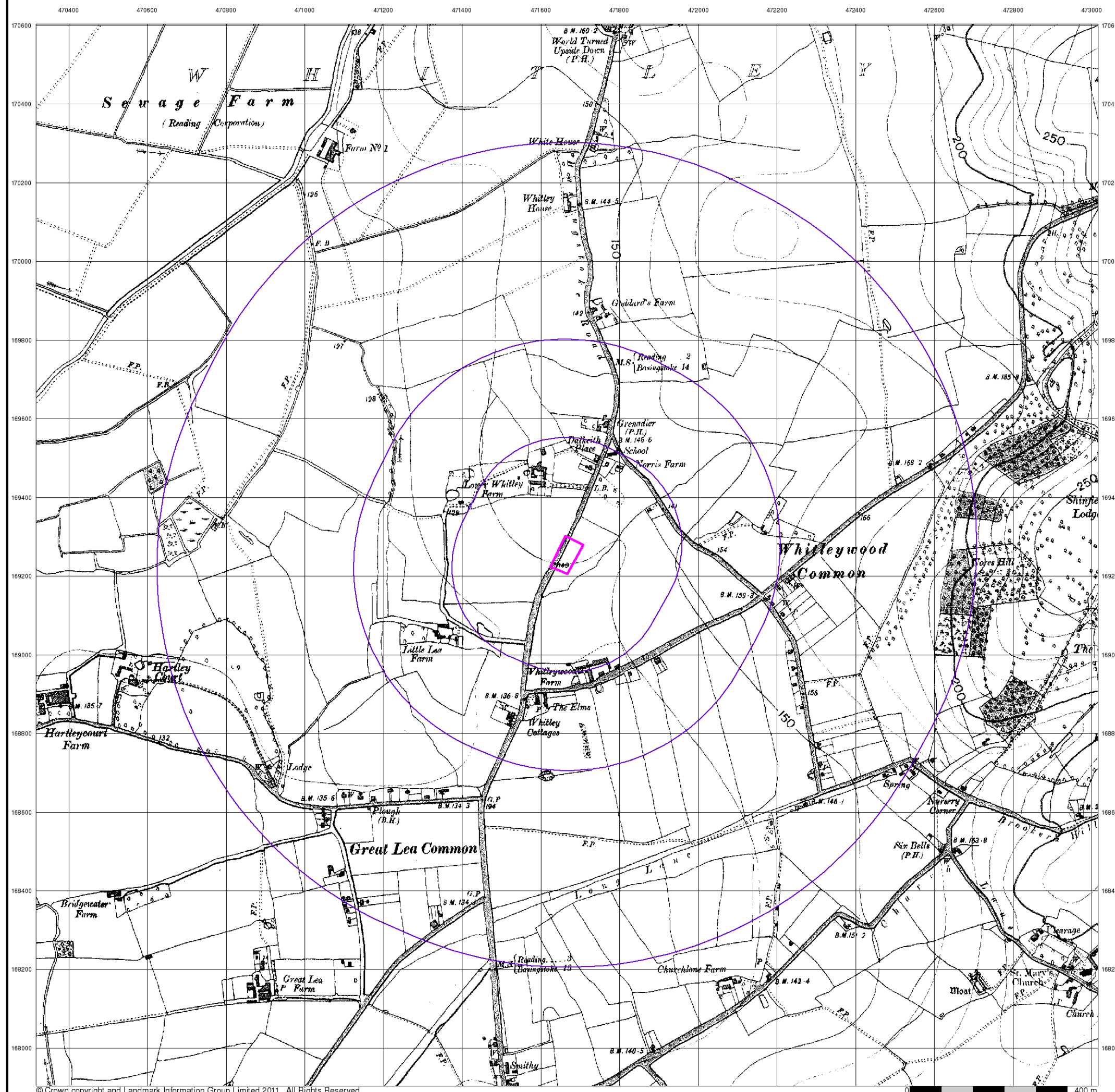


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



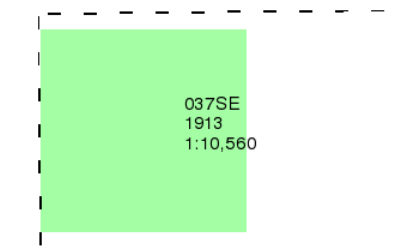
Berkshire

Published 1913

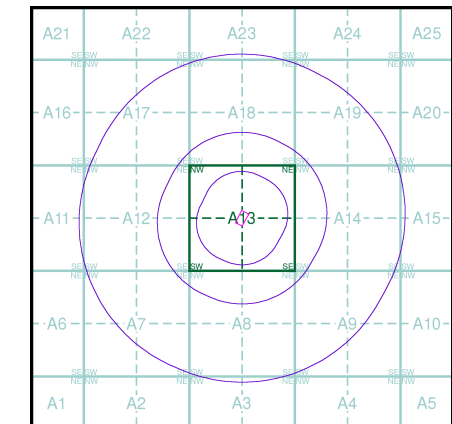
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

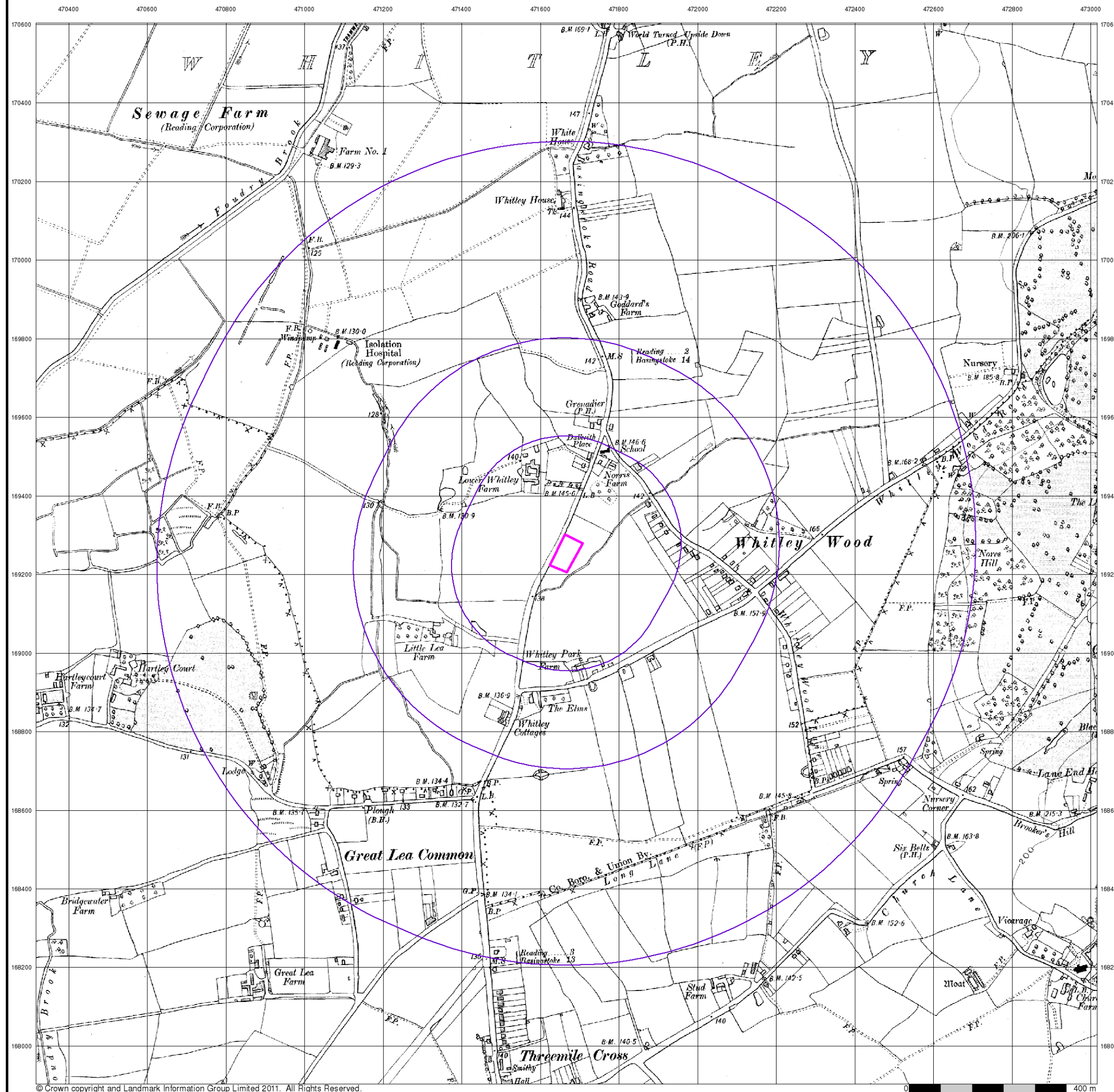


Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



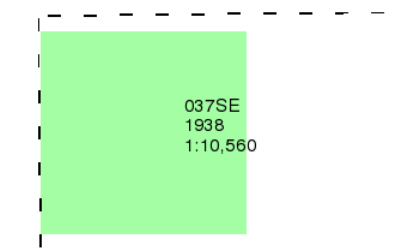
Berkshire

Published 1938

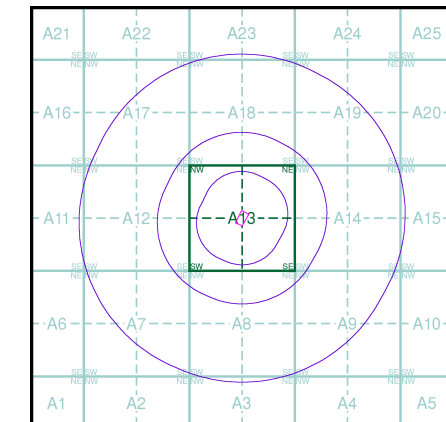
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

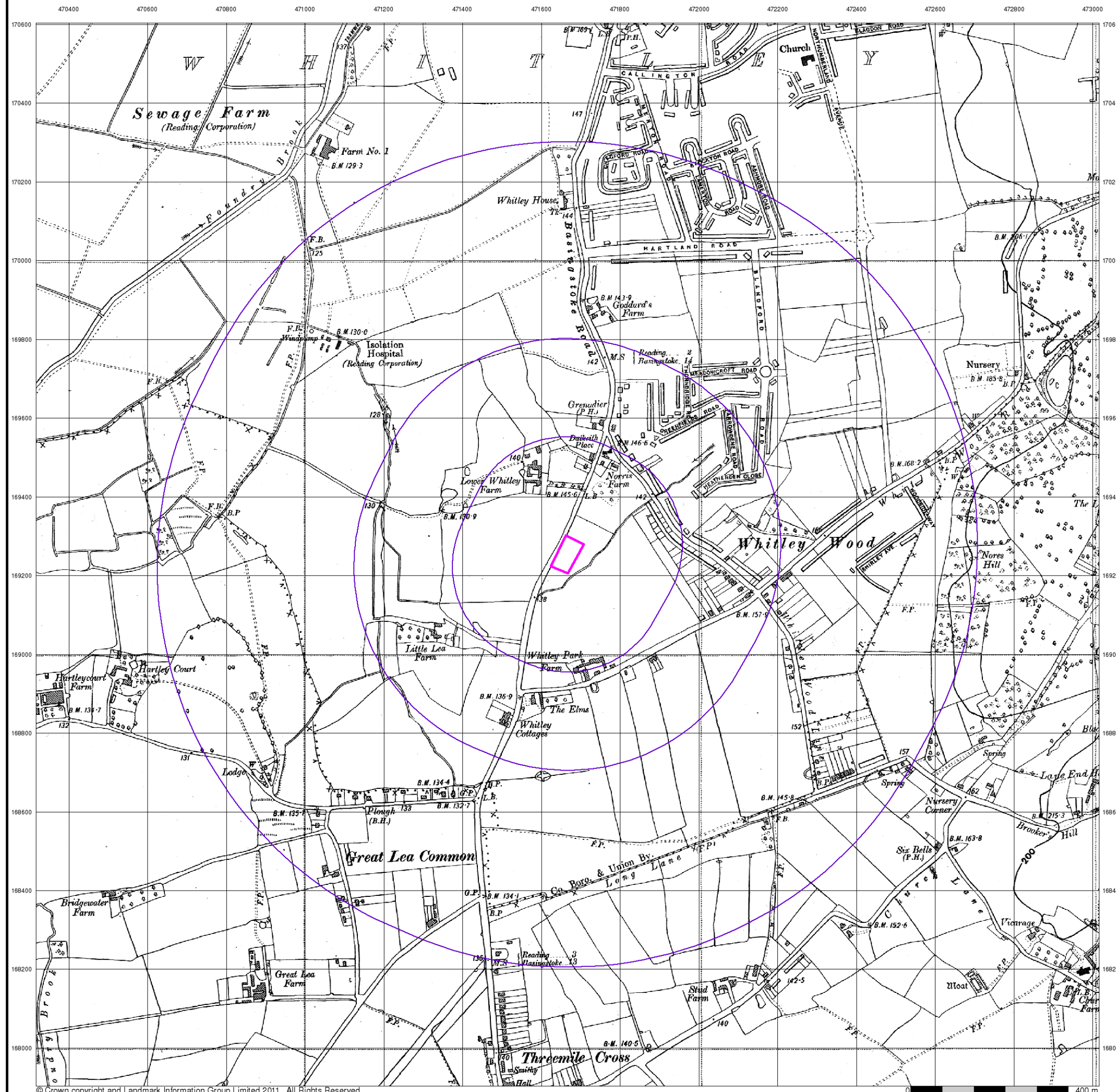


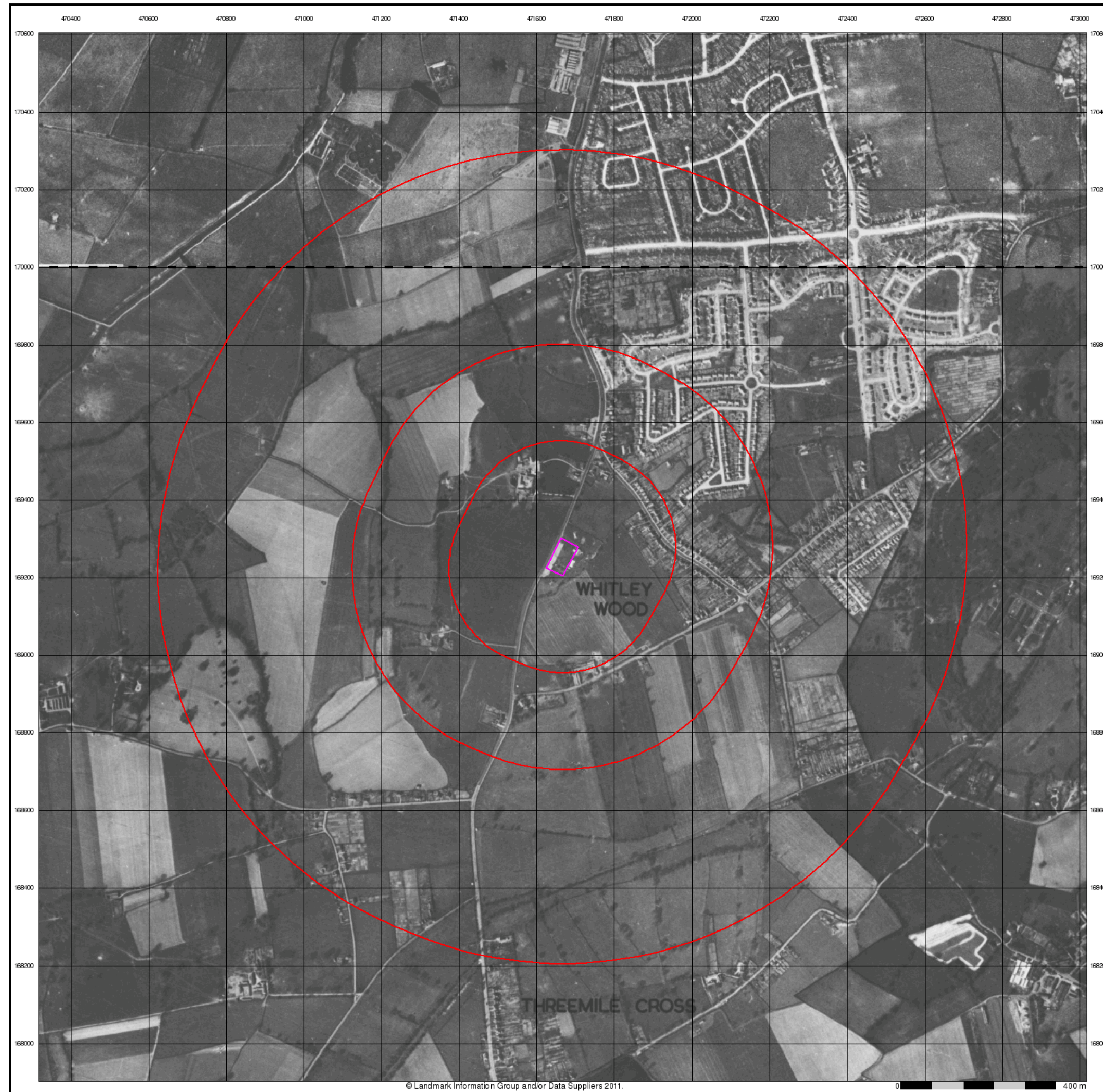
Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA





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Historical Aerial Photography

Published 1948

Source map scale - 1:10,560

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

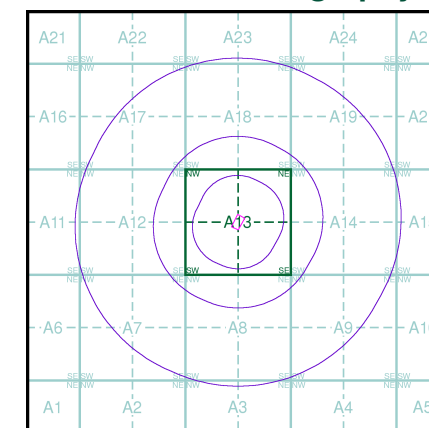
© Landmark Information Group and/or Data Suppliers 2010.

Map Name(s) and Date(s)

SU 77SW
1948
1:10,560

SU 76NW
1948
1:10,560

Historical Aerial Photography - Slice A



LIBRARY
HSILIRB

Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



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

Ordnance Survey Plan

Published 1961 - 1962

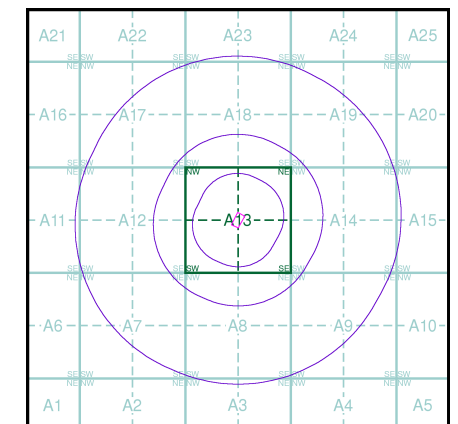
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU77SW	1962	1:10,560
SU76NW	1961	1:10,560

Historical Map - Slice A

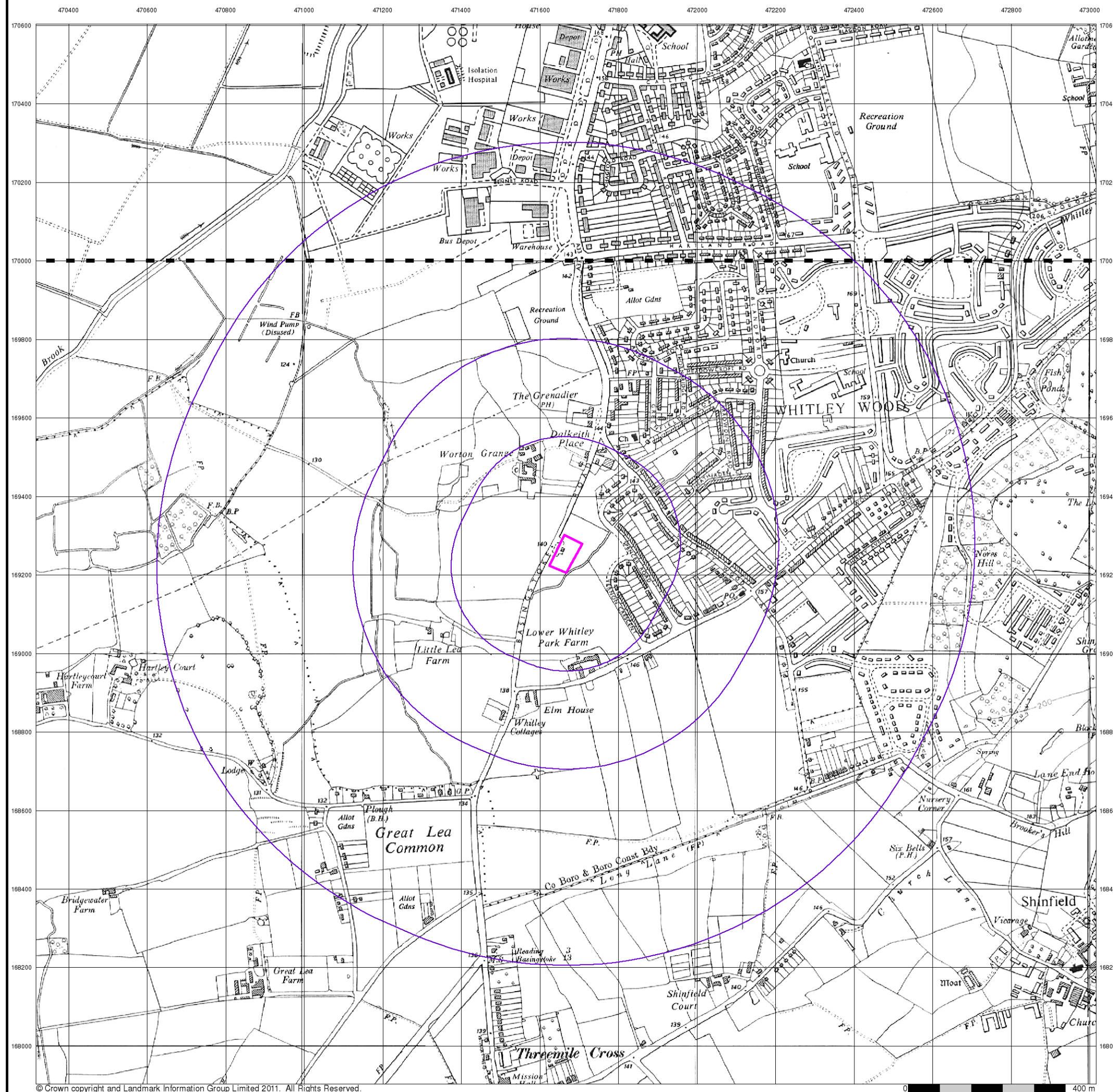


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



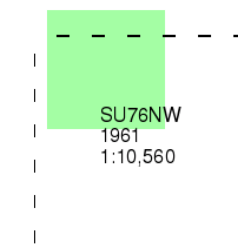
Ordnance Survey Plan

Published 1961

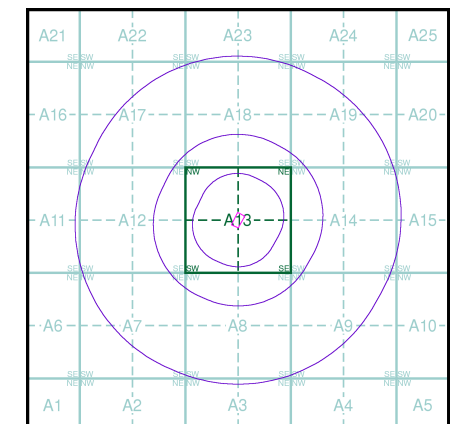
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

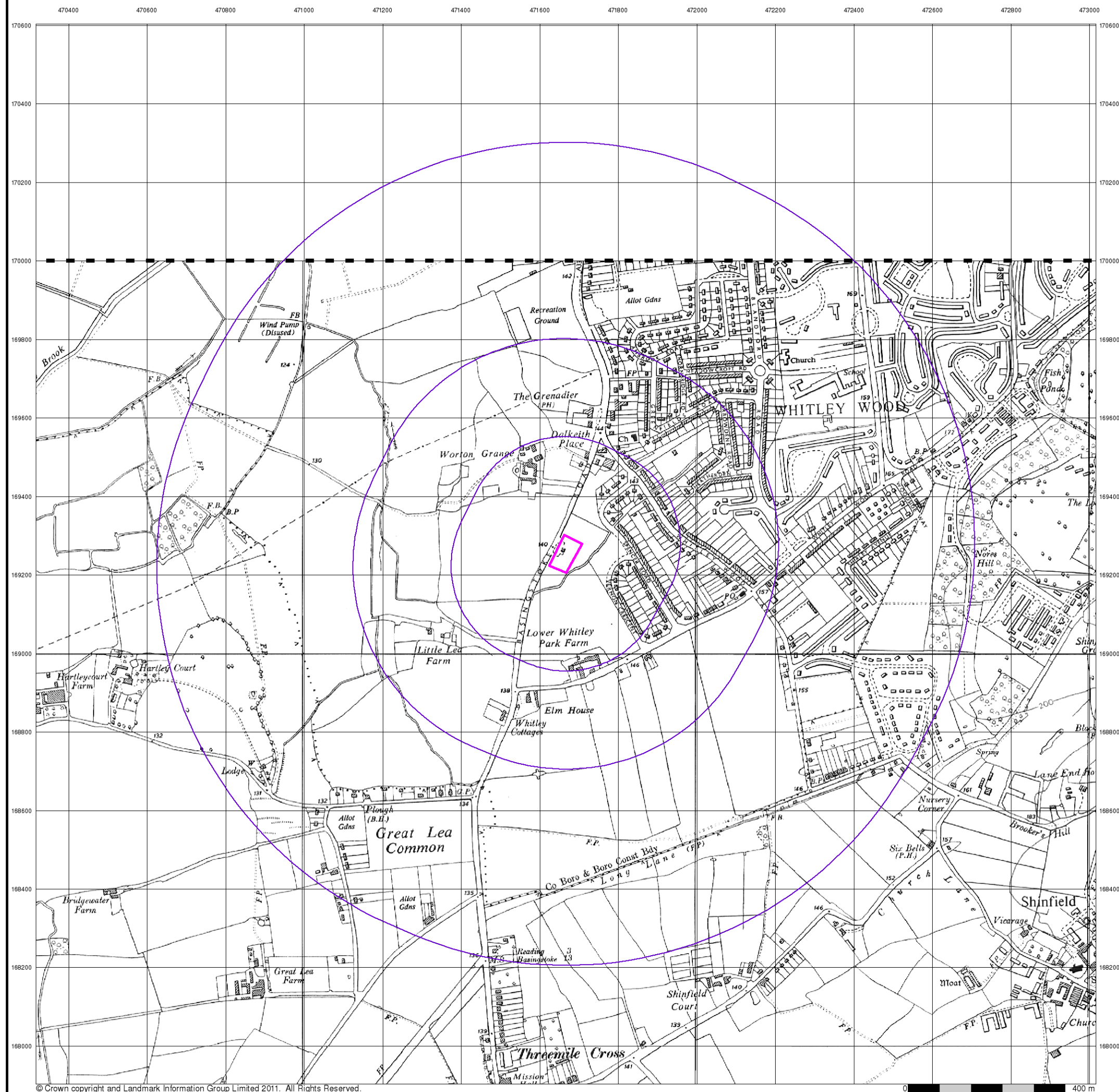


Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



Ordnance Survey Plan

Published 1971 - 1973

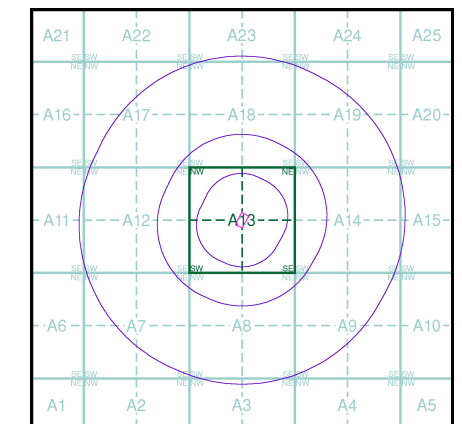
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU77SW	1973	1:10,000
SU76NW	1971	1:10,000

Historical Map - Slice A

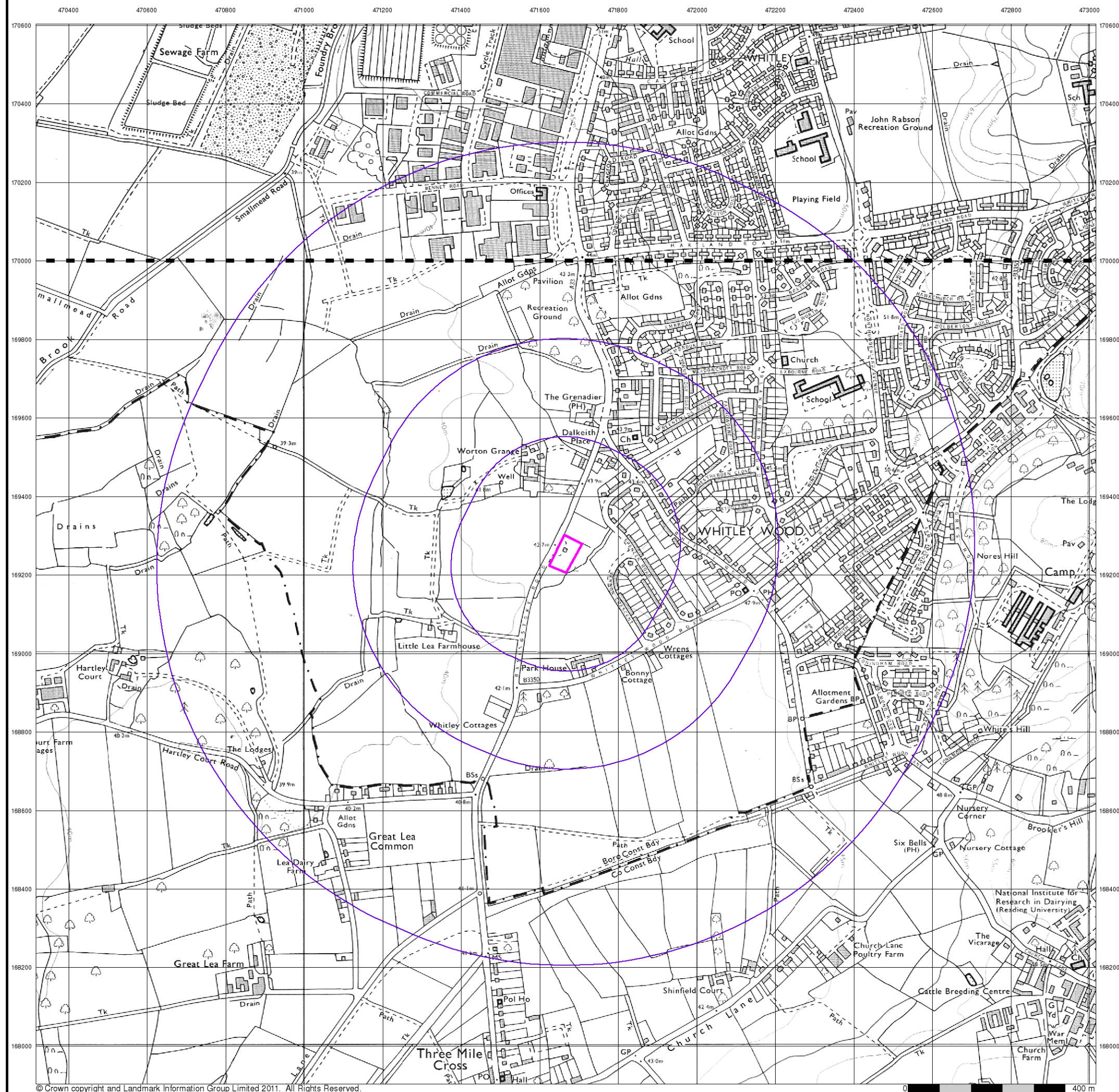


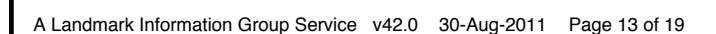
Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA





Ordnance Survey Plan

Published 1990

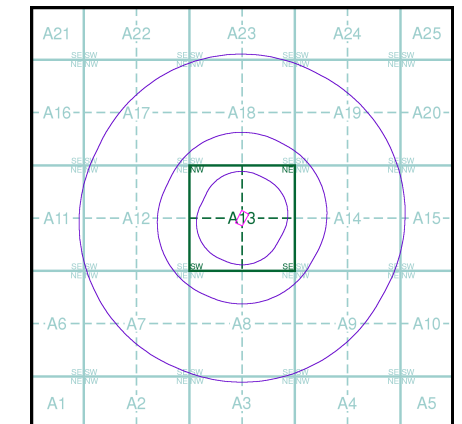
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU77SW	1990	1:10,000
SU76NW	1990	1:10,000

Historical Map - Slice A

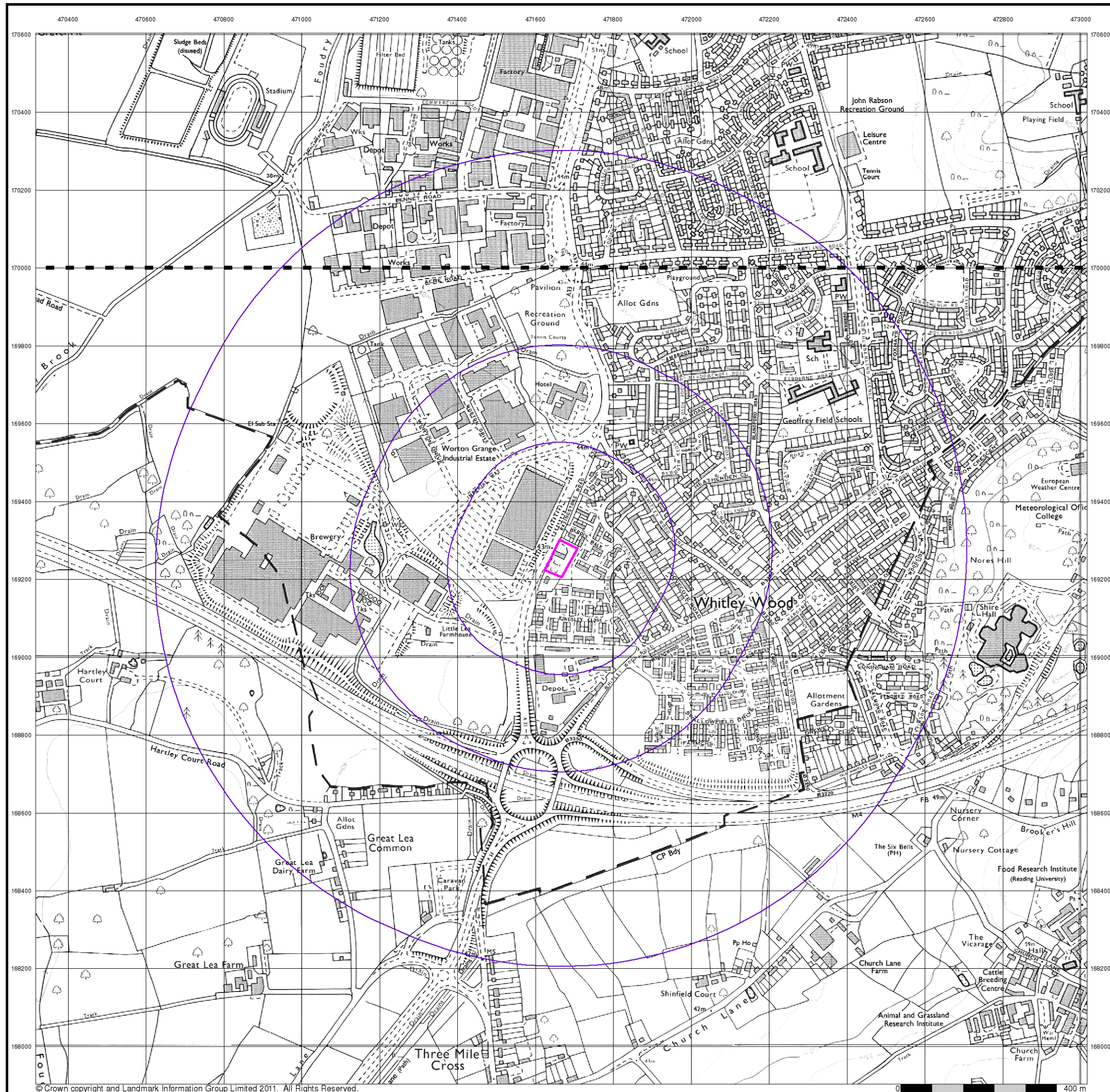


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



Reading

Published 1990

Source map scale - 1:10,000

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

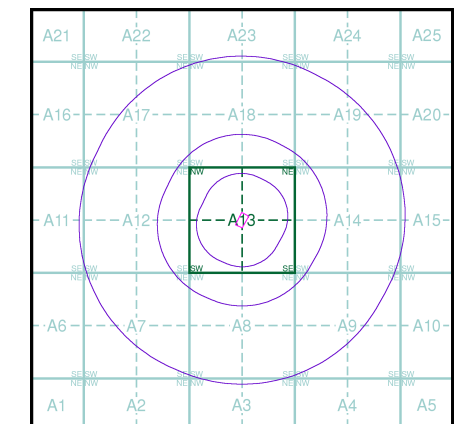
They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that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

Map Name(s) and Date(s)

SU77SW
1990
1:10,000

SU76NW
1990
1:10,000

Russian Map - Slice A



Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



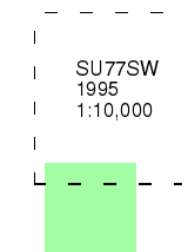
Ordnance Survey Plan

Published 1995

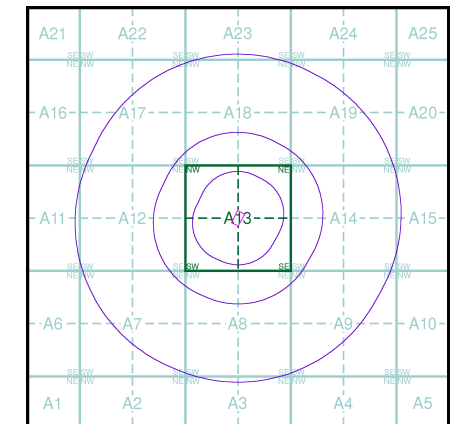
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

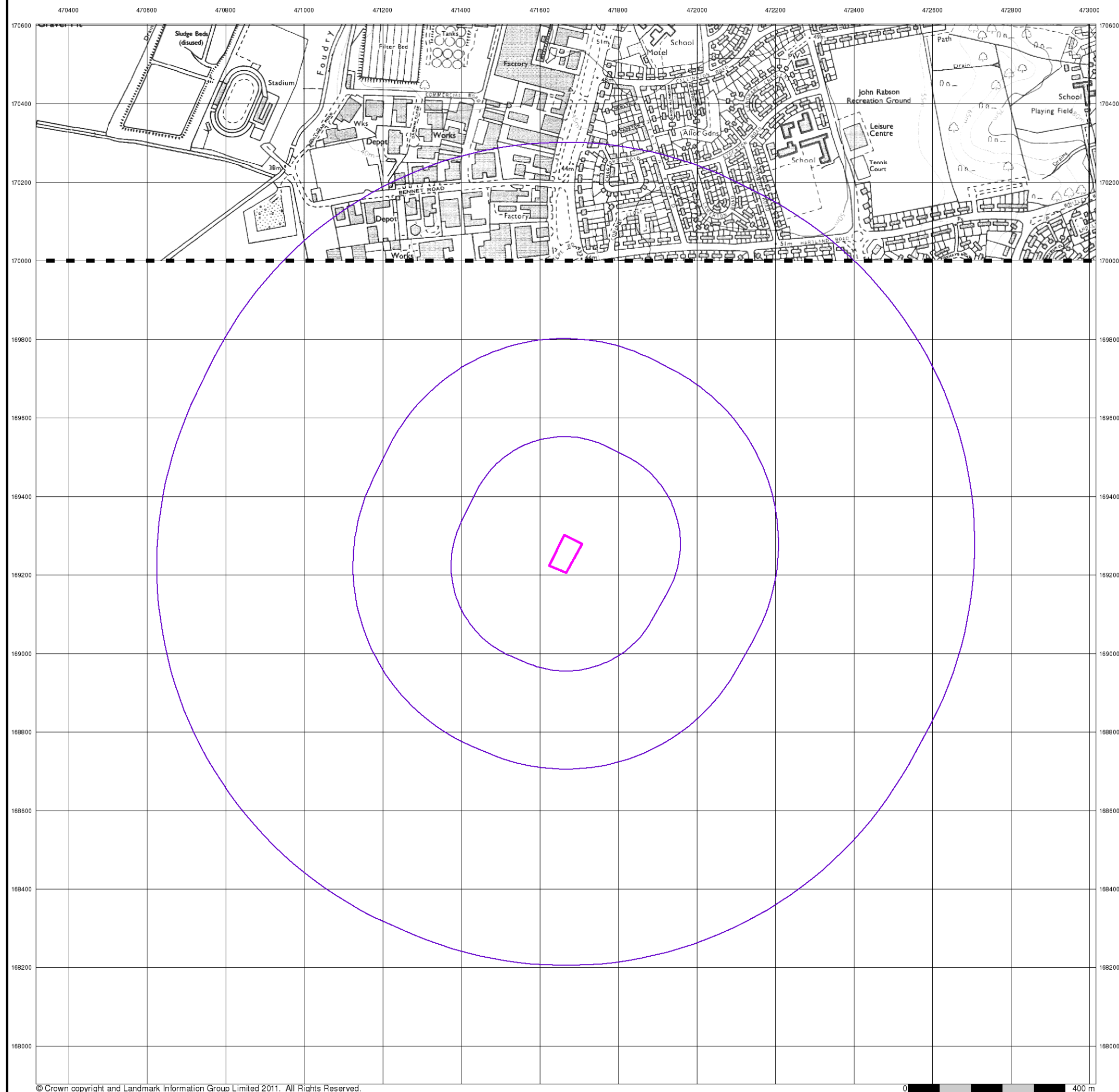


Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



10k Raster Mapping

Published 1999

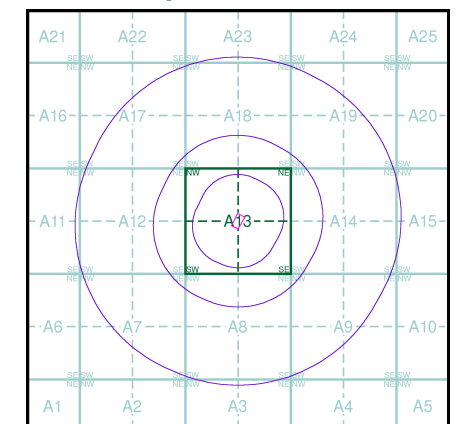
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU77SW
1999
1:10,000
SU76NW
1999
1:10,000

Historical Map - Slice A

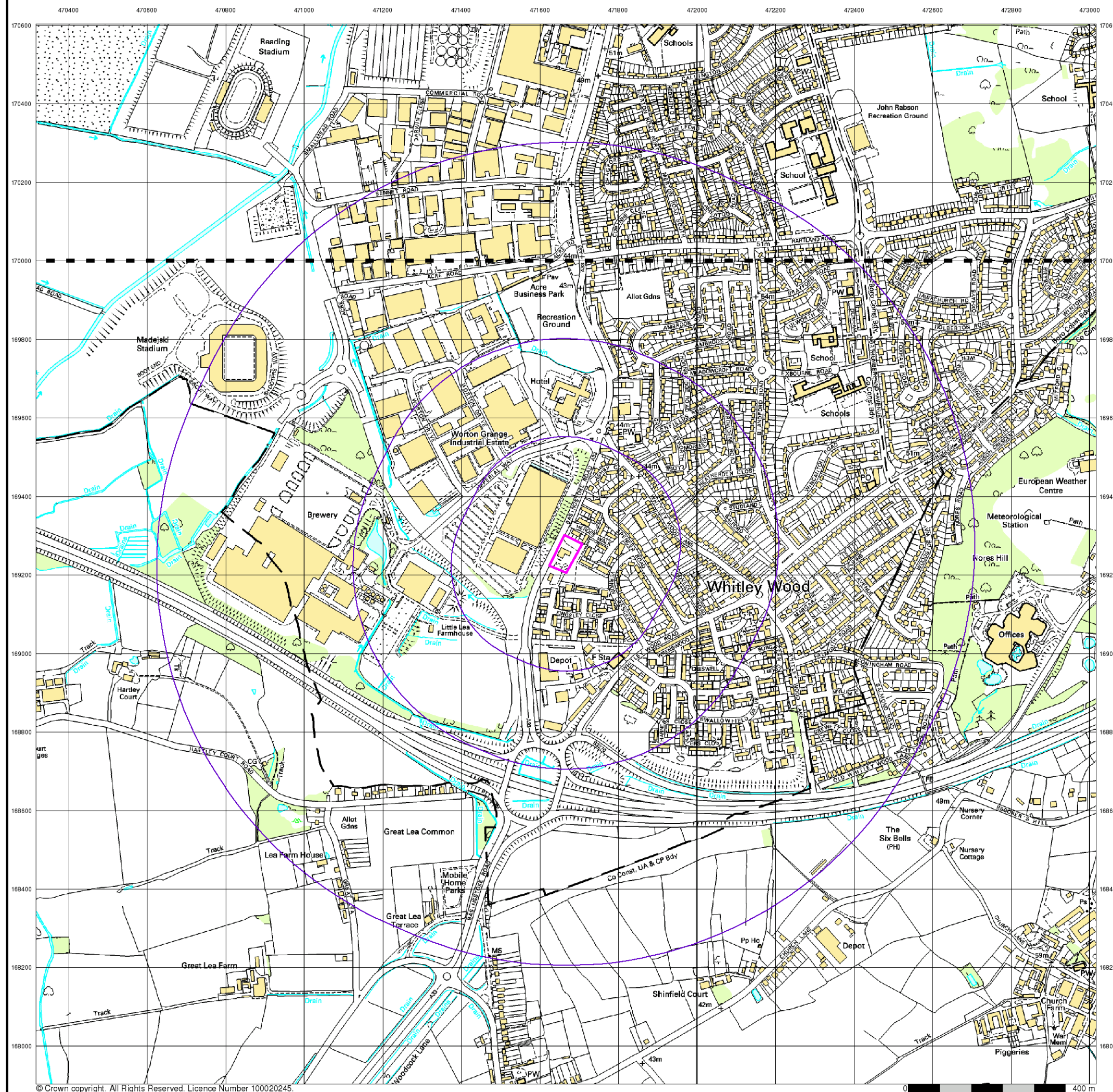


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



10k Raster Mapping

Published 2006

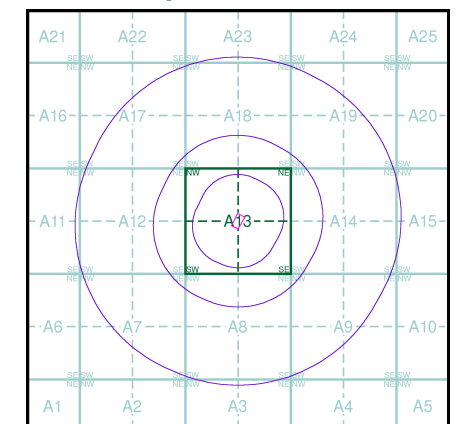
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU77SW
2006
1:10,000
SU76NW
2006
1:10,000

Historical Map - Slice A

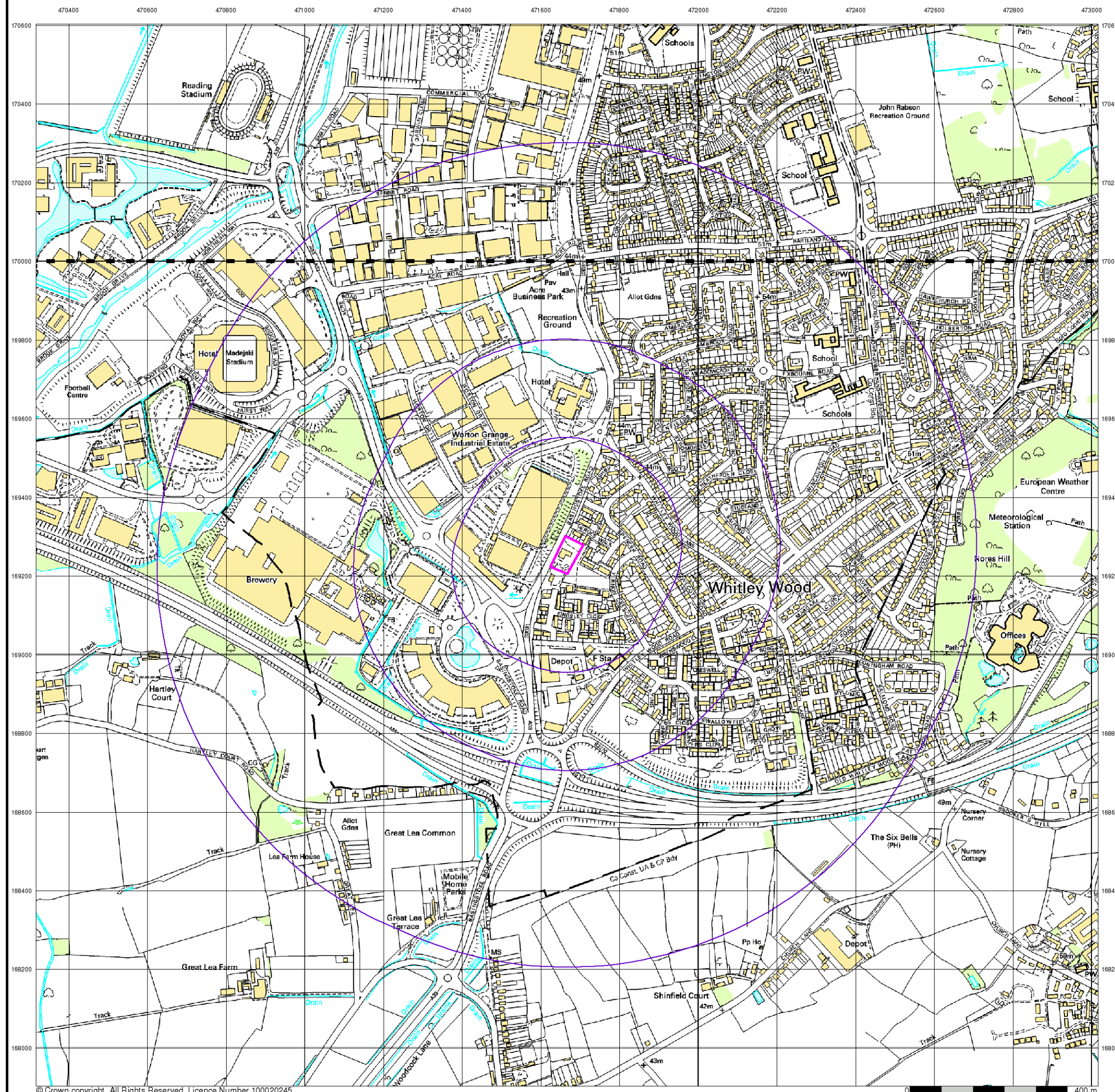


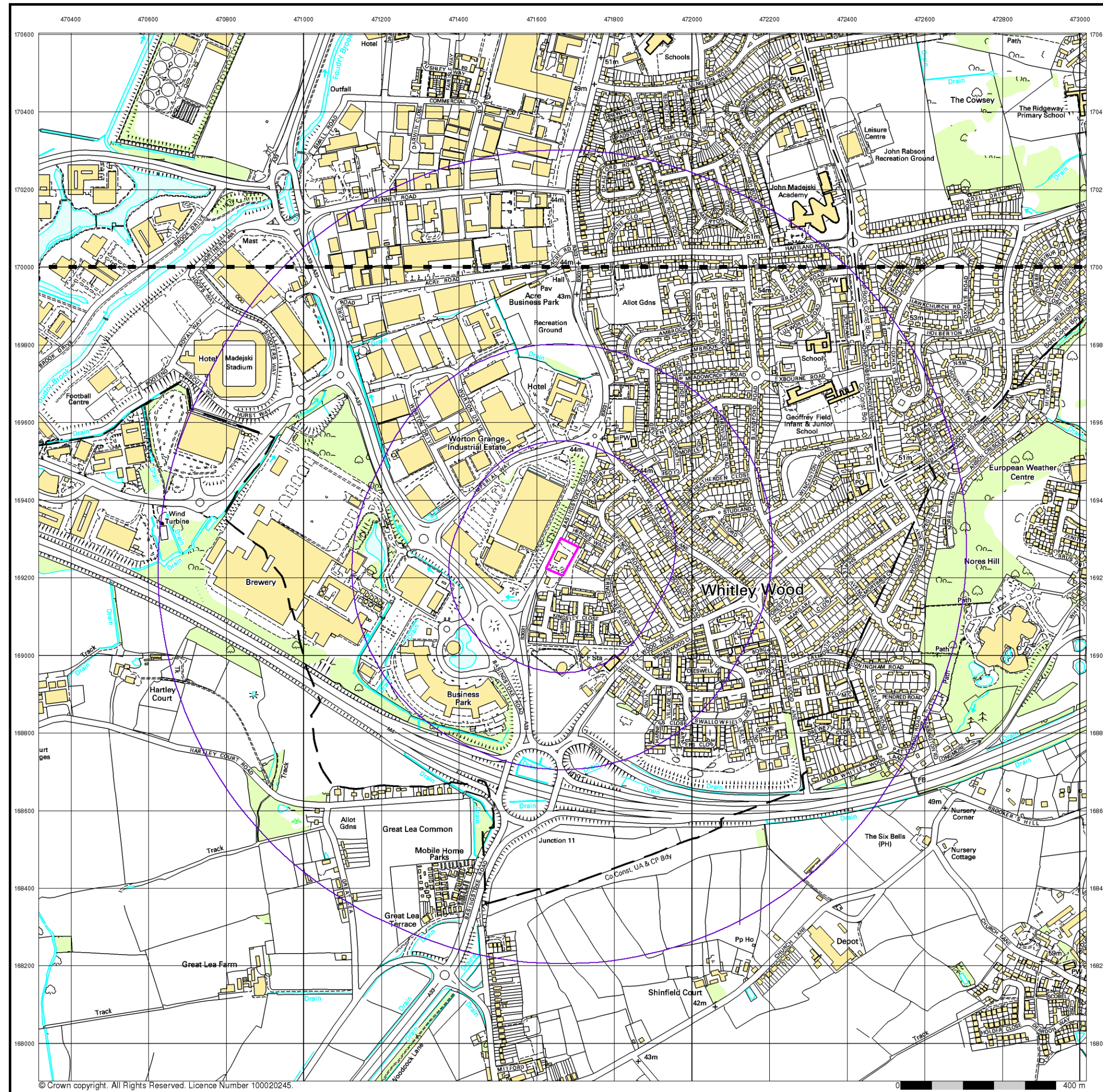
Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA





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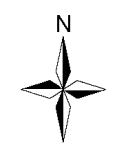
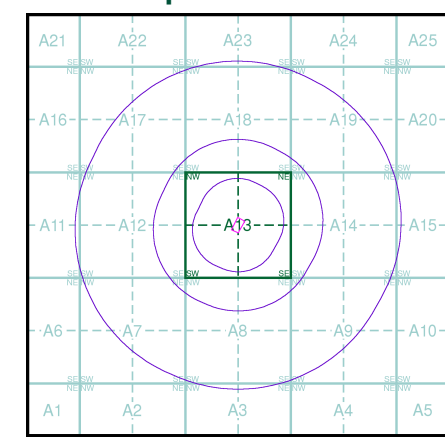
10k Raster Mapping
Published 2011
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU77SW	2011	1:10,000
SU76NW	2011	1:10,000

Historical Map - Slice A



Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

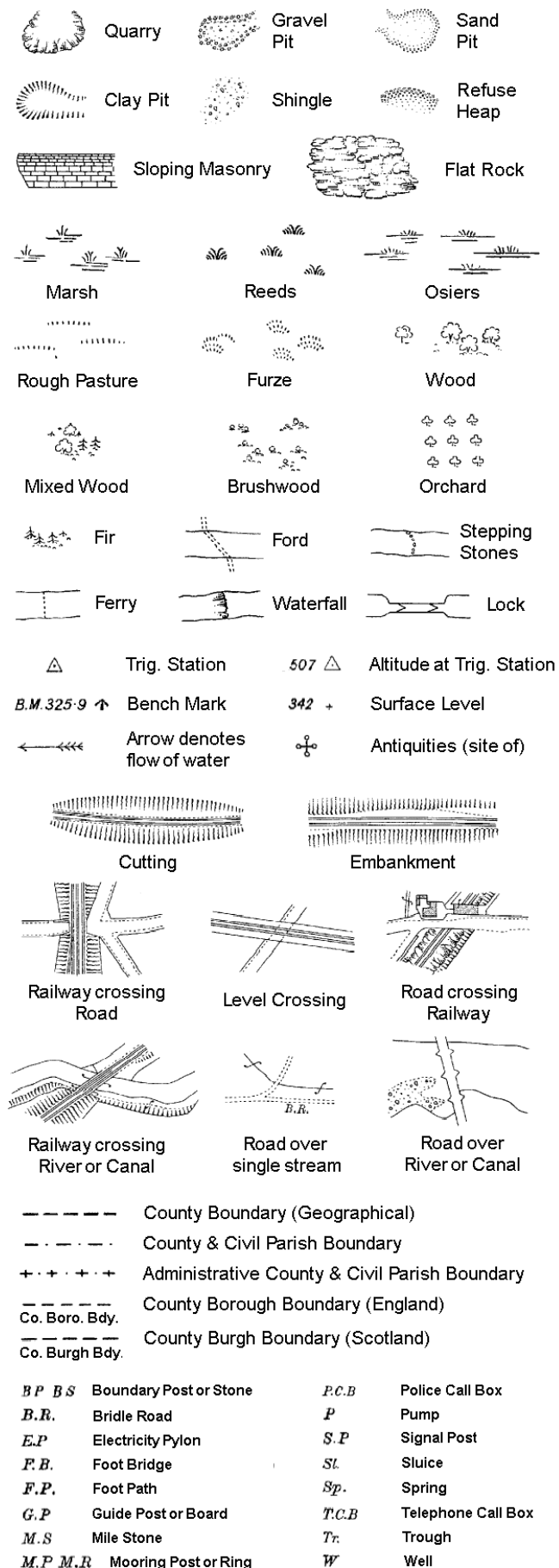
Shell Service Station, Basingstoke Road, READING, RG2 0TA



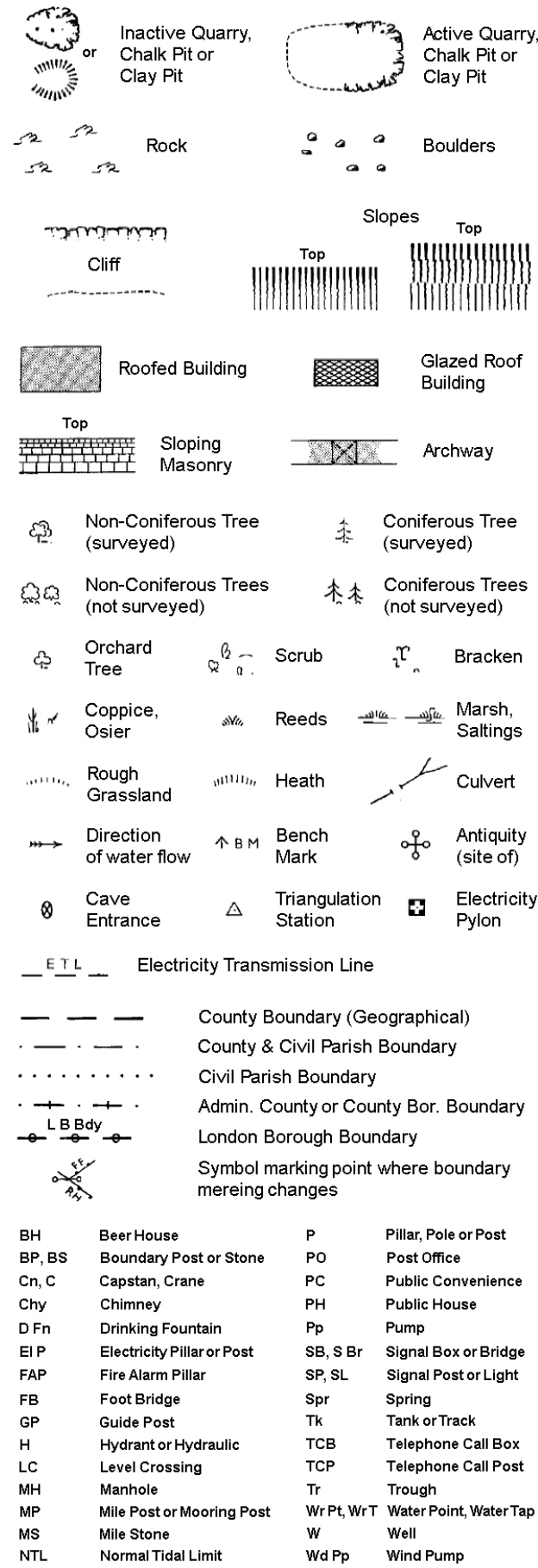
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

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



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



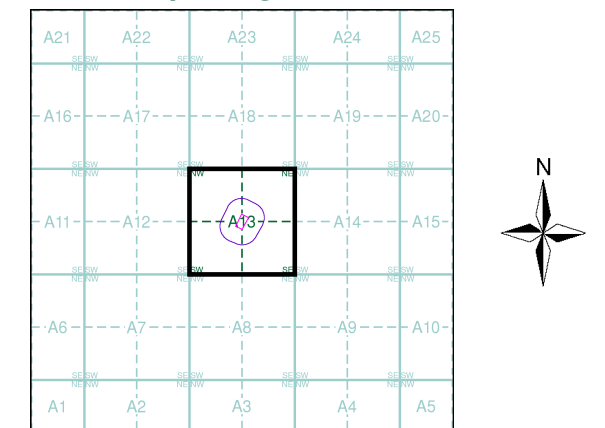
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Berkshire	1:2,500	1878 - 1879	2
Berkshire	1:2,500	1899	3
Berkshire	1:2,500	1911	4
Berkshire	1:2,500	1936 - 1937	5
Ordnance Survey Plan	1:1,250	1958 - 1983	6
Additional SIMs	1:1,250	1958 - 1986	7
Ordnance Survey Plan	1:2,500	1959 - 1966	8
Ordnance Survey Plan	1:1,250	1970 - 1985	9
Additional SIMs	1:2,500	1972	10
Supply of Unpublished Survey Information	1:1,250	1974	11
Supply of Unpublished Survey Information	1:2,500	1974	12
Supply of Unpublished Survey Information	1:2,500	1974	13
Ordnance Survey Plan	1:2,500	1975	14
Additional SIMs	1:1,250	1980 - 1986	15
Additional SIMs	1:2,500	1980	16
Ordnance Survey Plan	1:1,250	1983 - 1986	17
Additional SIMs	1:1,250	1985	18
Large-Scale National Grid Data	1:1,250	1994	19
Large-Scale National Grid Data	1:1,250	1994 - 1997	20
Large-Scale National Grid Data	1:1,250	1997	21

Historical Map - Segment A13



Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



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

Berkshire

Published 1878 - 1879

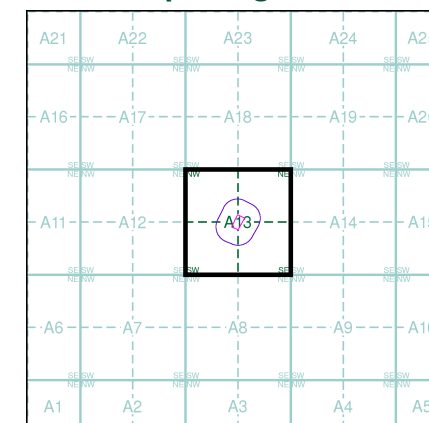
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

037 11
1879
1:2,500
037 15
1878
1:2,500

Historical Map - Segment A13

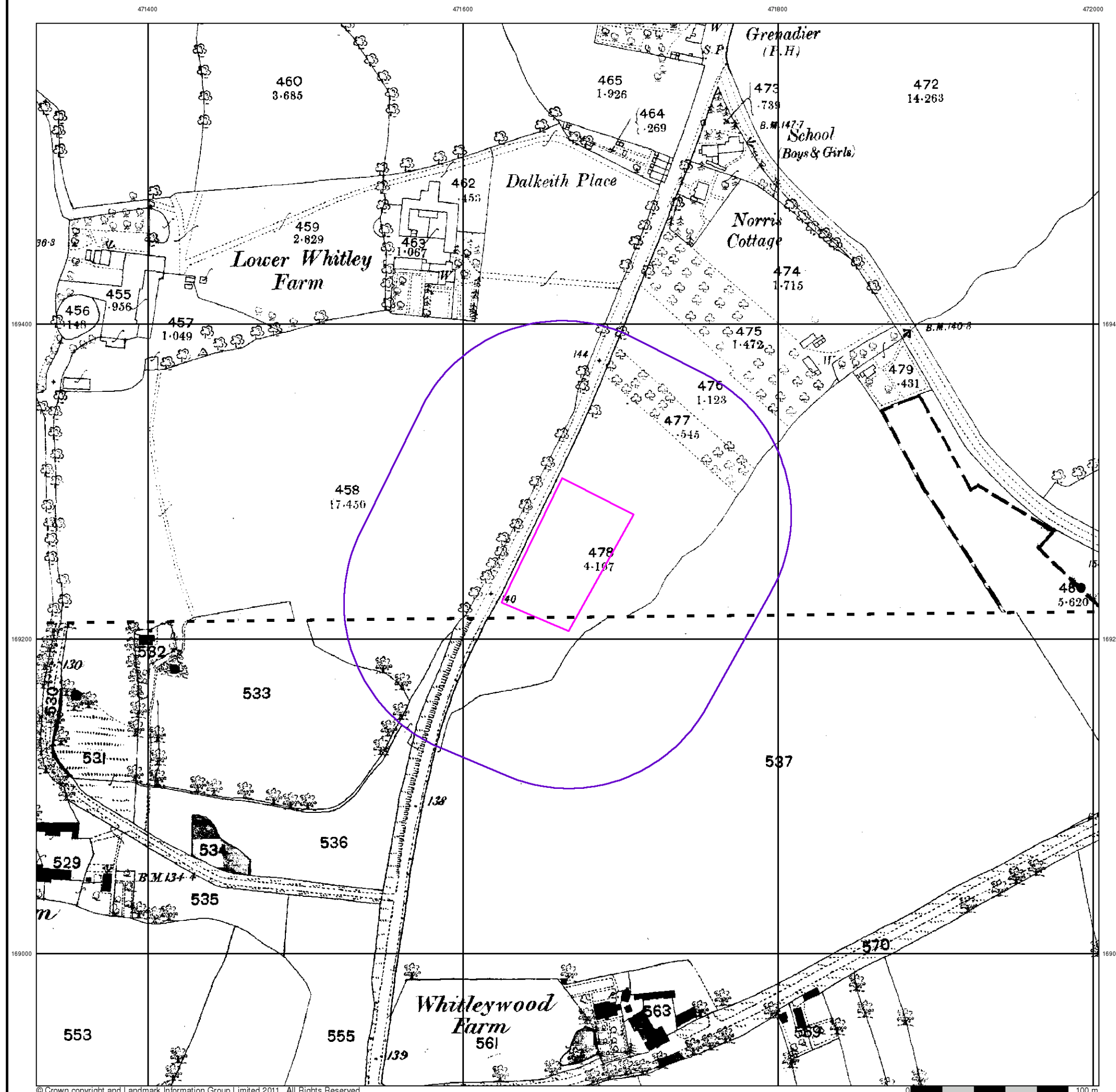


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



Berkshire

Published 1899

Source map scale - 1:2,500

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

Map Name(s) and Date(s)

037 11	1899	1:2,500
037 15	1899	1:2,500

Historical Map - Segment A13

A21	A22	A23	A24	A25
A16	A17	A18	A19	A20
A11	A12	A13	A14	A15
A6	A7	A8	A9	A10
A1	A2	A3	A4	A5

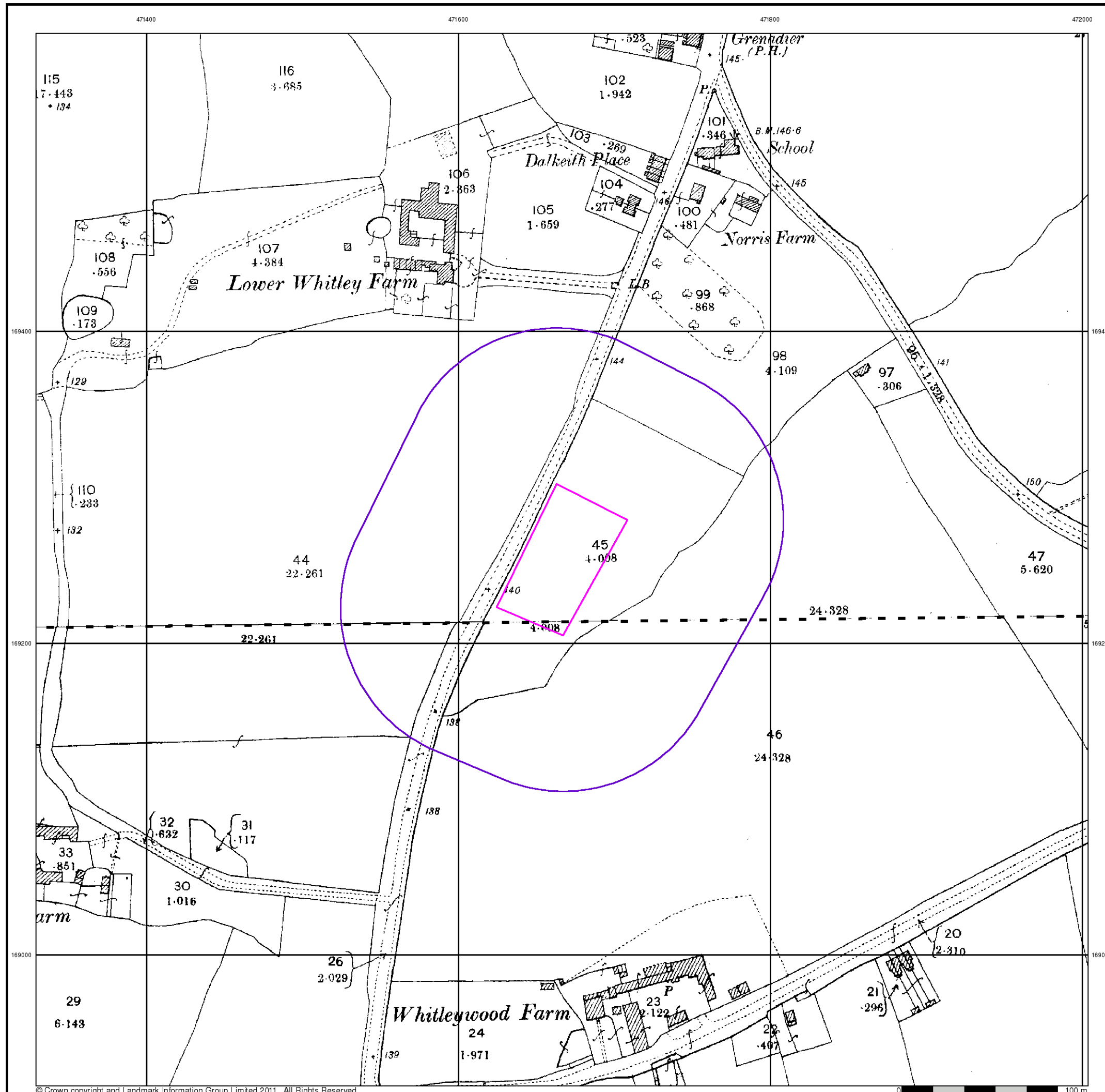


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



Berkshire

Published 1911

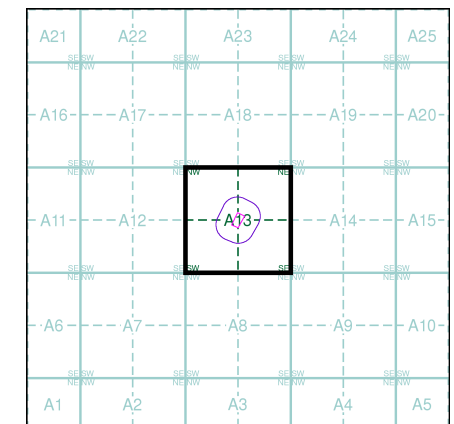
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

037_11	1911	1:2,500
037_15	1911	1:2,500

Historical Map - Segment A13

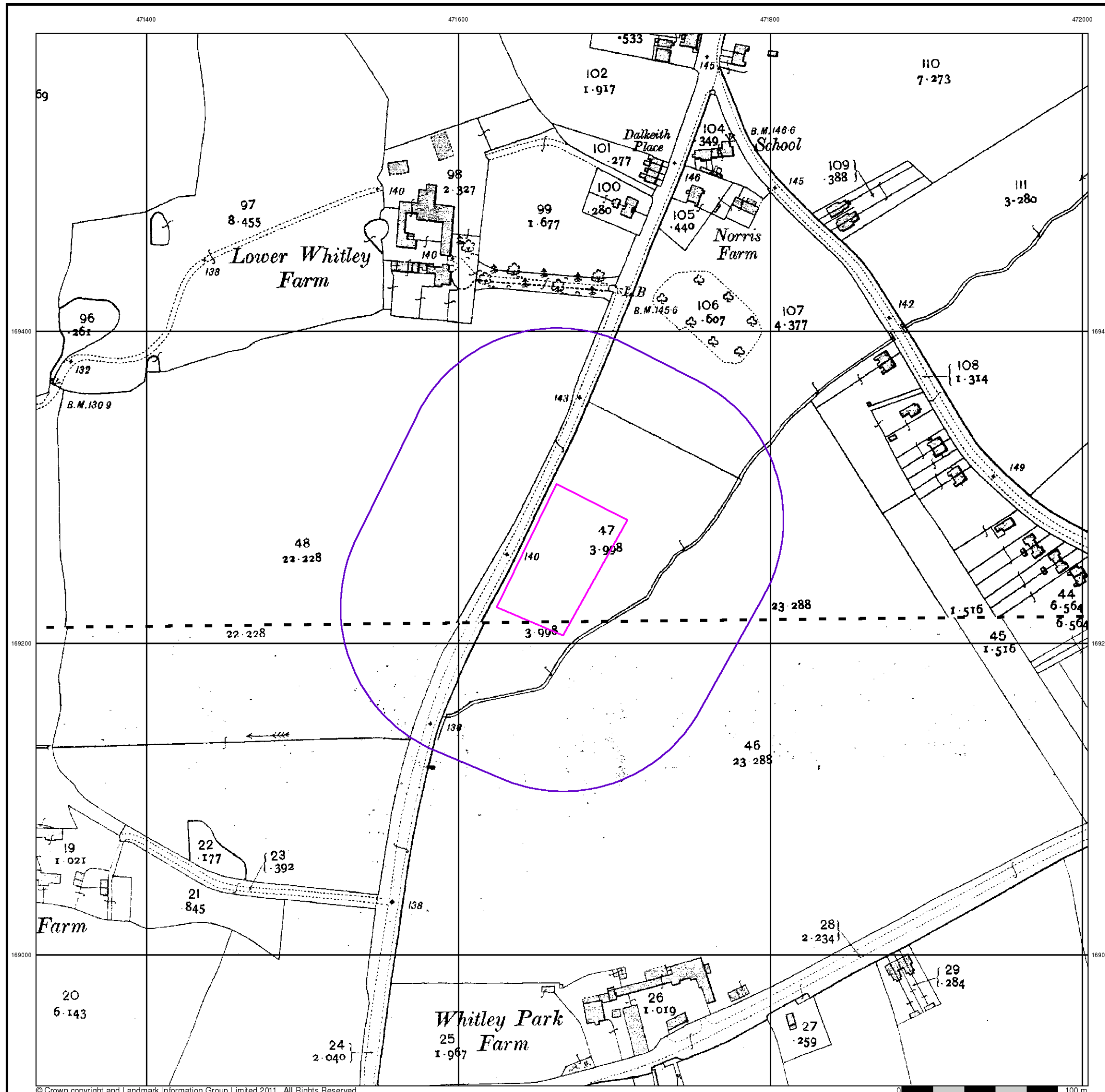


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



Berkshire

Published 1936 - 1937

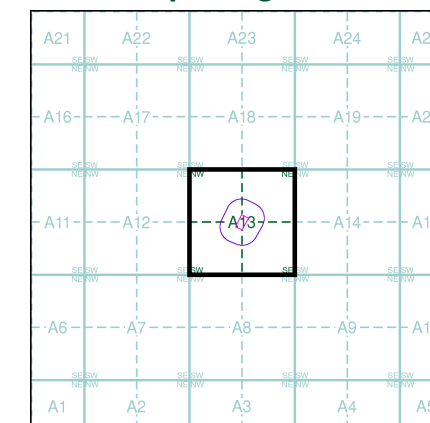
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

037 11
1936
1:2,500
037 15
1937
1:2,500

Historical Map - Segment A13

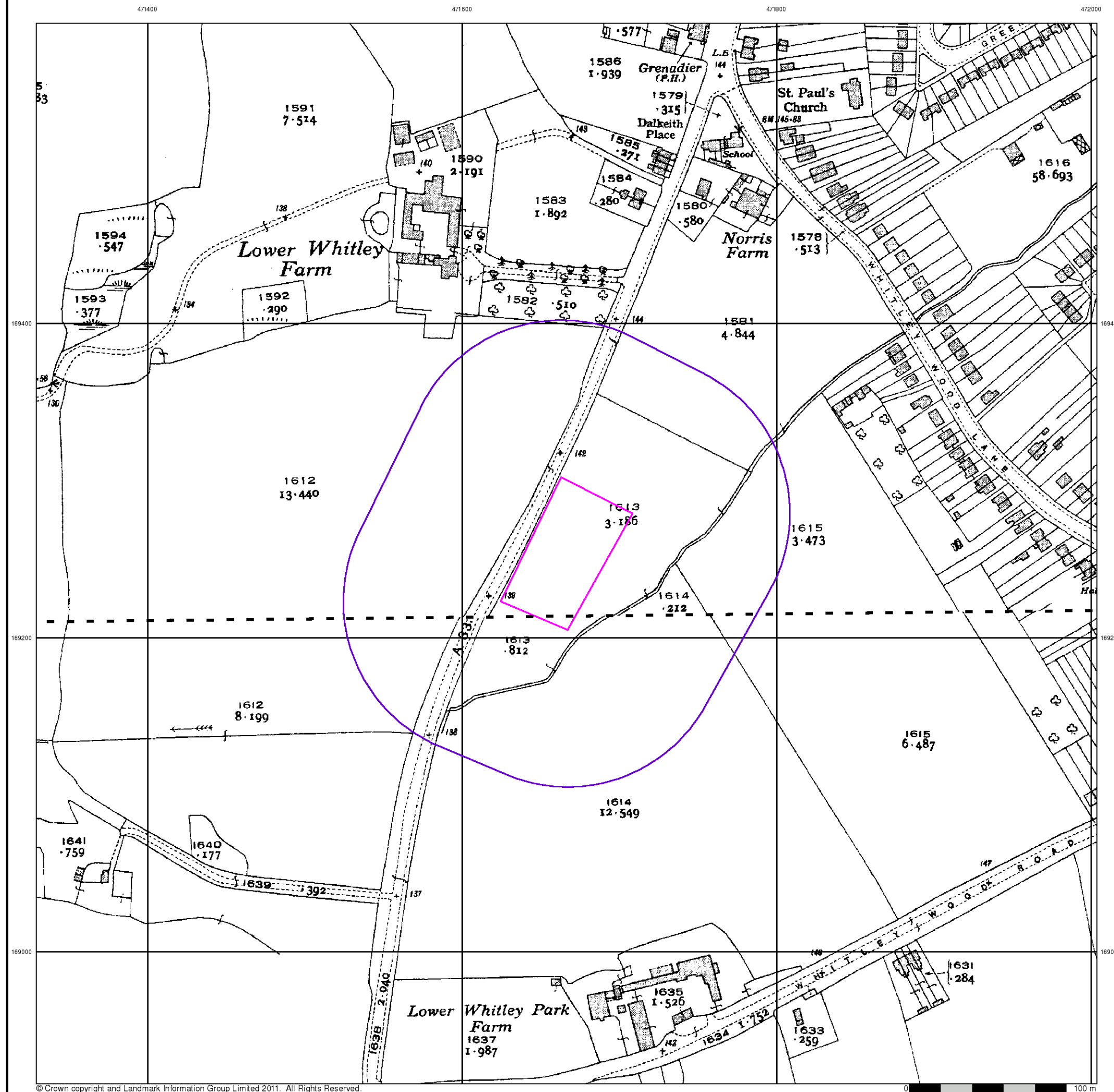


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



Ordnance Survey Plan

Published 1958 - 1983

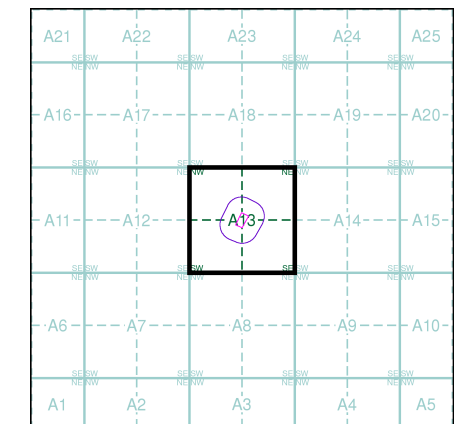
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SU7169NW	SU7169NE	SU7269NW
1958	1958	1959
1:1,250	1:1,250	1:1,250
SU7169SW	SU7169SE	SU7269SW
1958	1958	1959
1:1,250	1:1,250	1:1,250
---	SU7168NE	SU7268NW
---	1980	1983
---	1:1,250	1:1,250

Historical Map - Segment A13

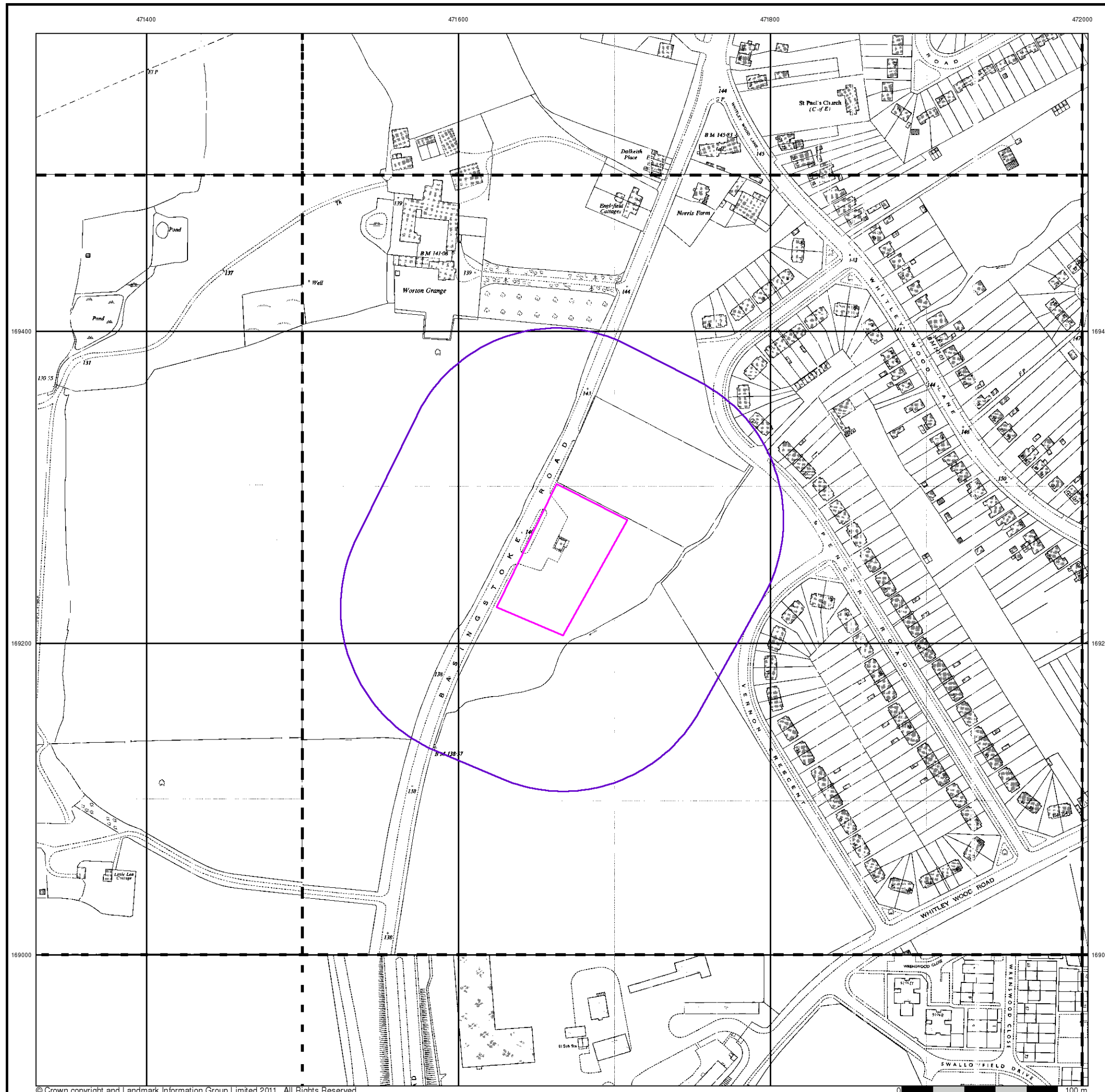


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



Additional SIMs

Published 1958 - 1986

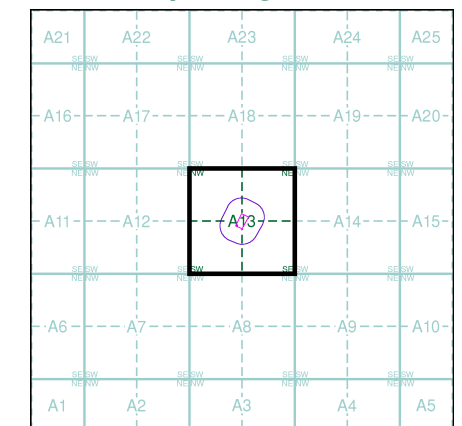
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

5U7169NW	1985	1:1,250
5U7169SW	1958	1:1,250
5U7169SE	1983	1:1,250
5U7269SW	1977	1:1,250
5U7168NE	1986	1:1,250
5U7268NW	1983	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



Ordnance Survey Plan

Published 1959 - 1966

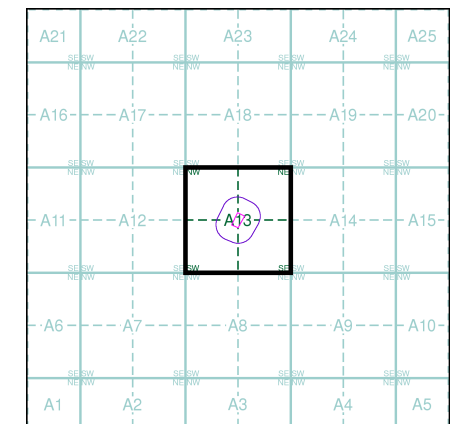
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SU7169 1959 1:2,500	SU7269 1965 1:2,500
SU7168 1965 1:2,500	SU7268 1966 1:2,500

Historical Map - Segment A13

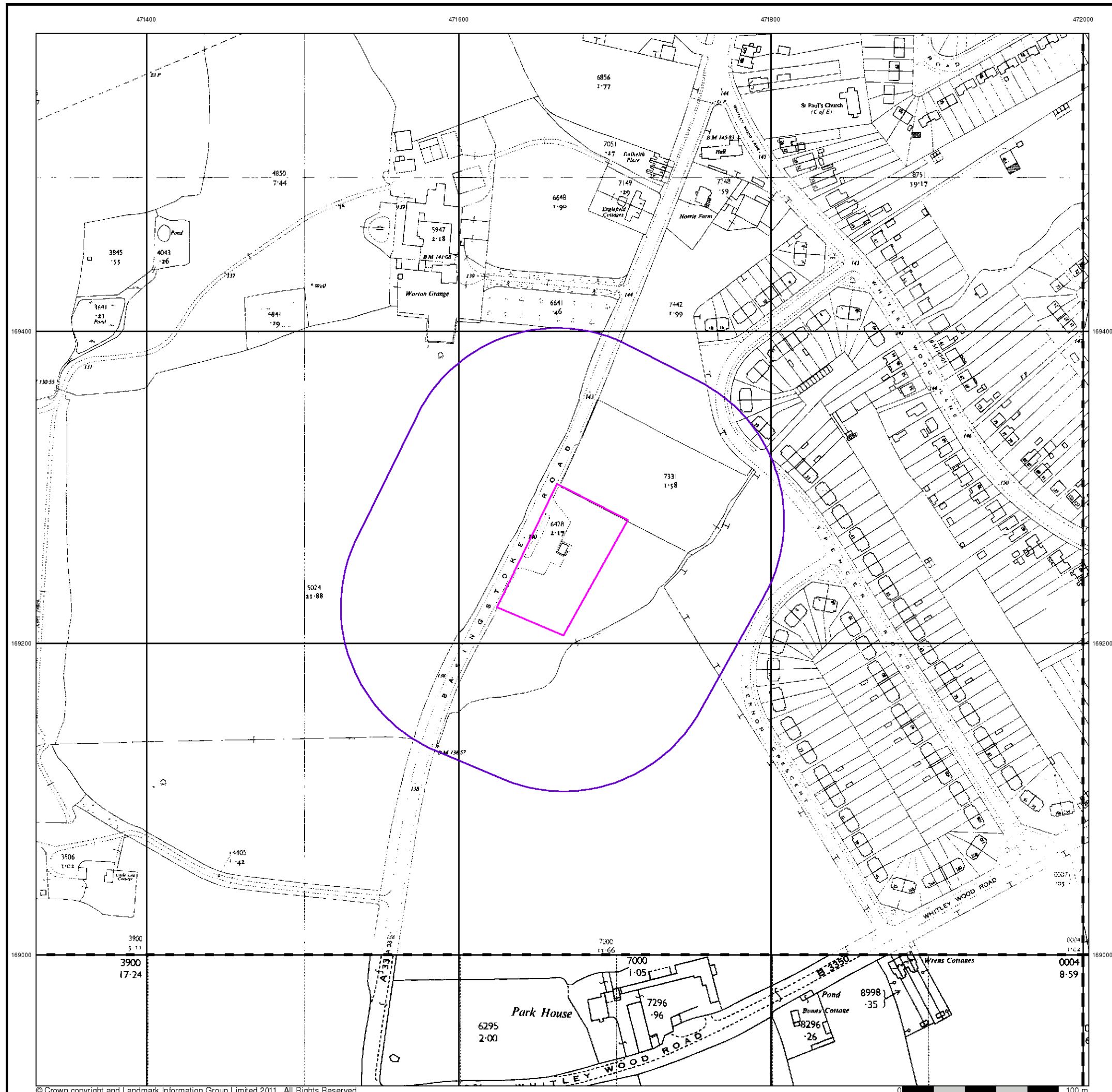


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



Ordnance Survey Plan

Published 1970 - 1985

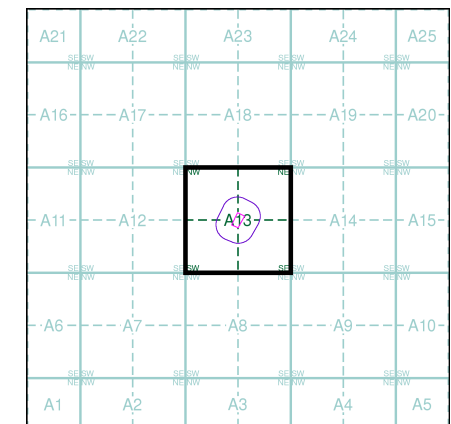
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SU7169NW 1974 1:1,250	SU7169NE 1974 1:1,250	SU7269NW 1970 1:1,250
SU7169SW 1985 1:1,250	SU7169SE 1974 1:1,250	SU7269SW 1970 1:1,250

Historical Map - Segment A13

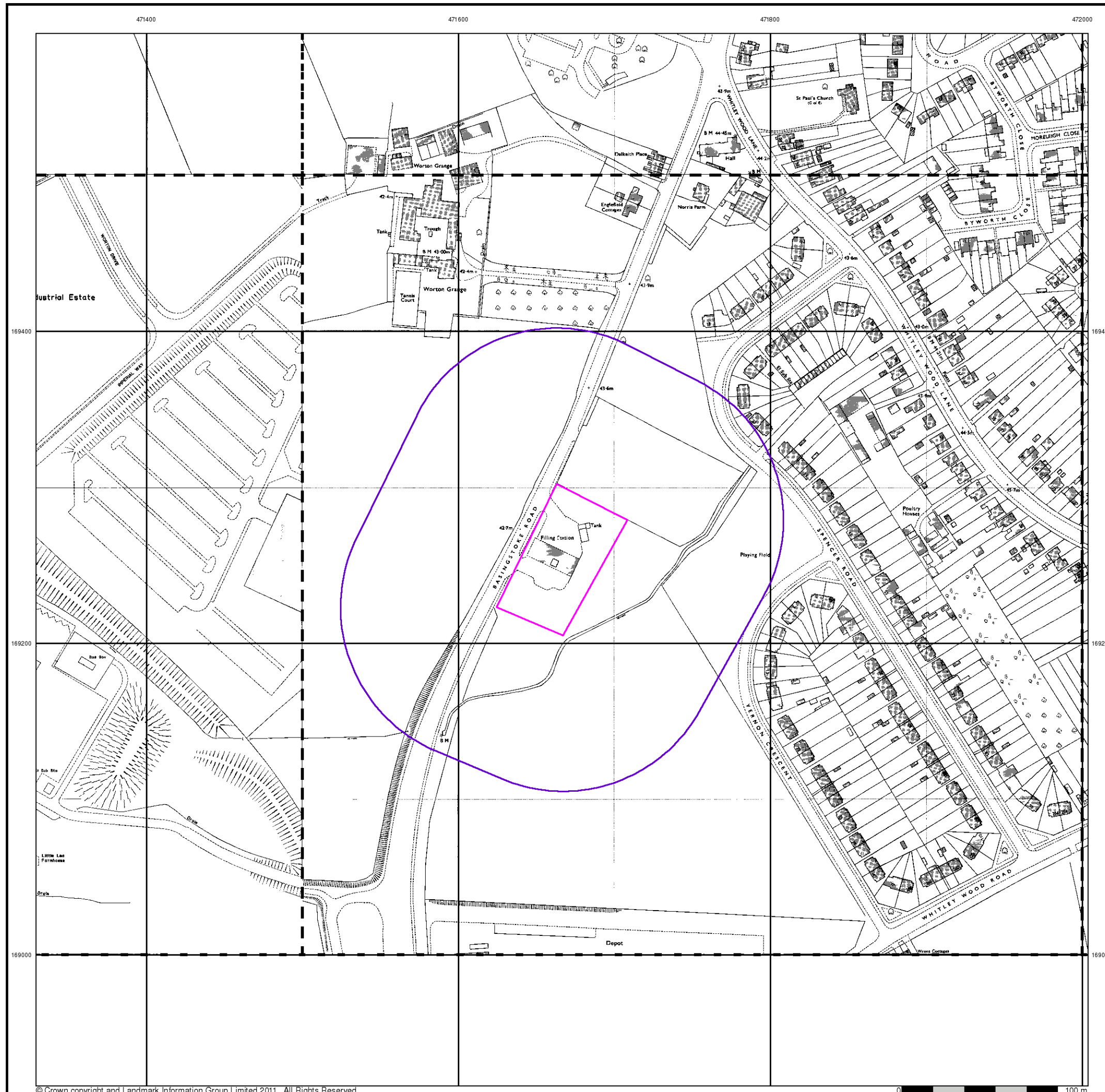


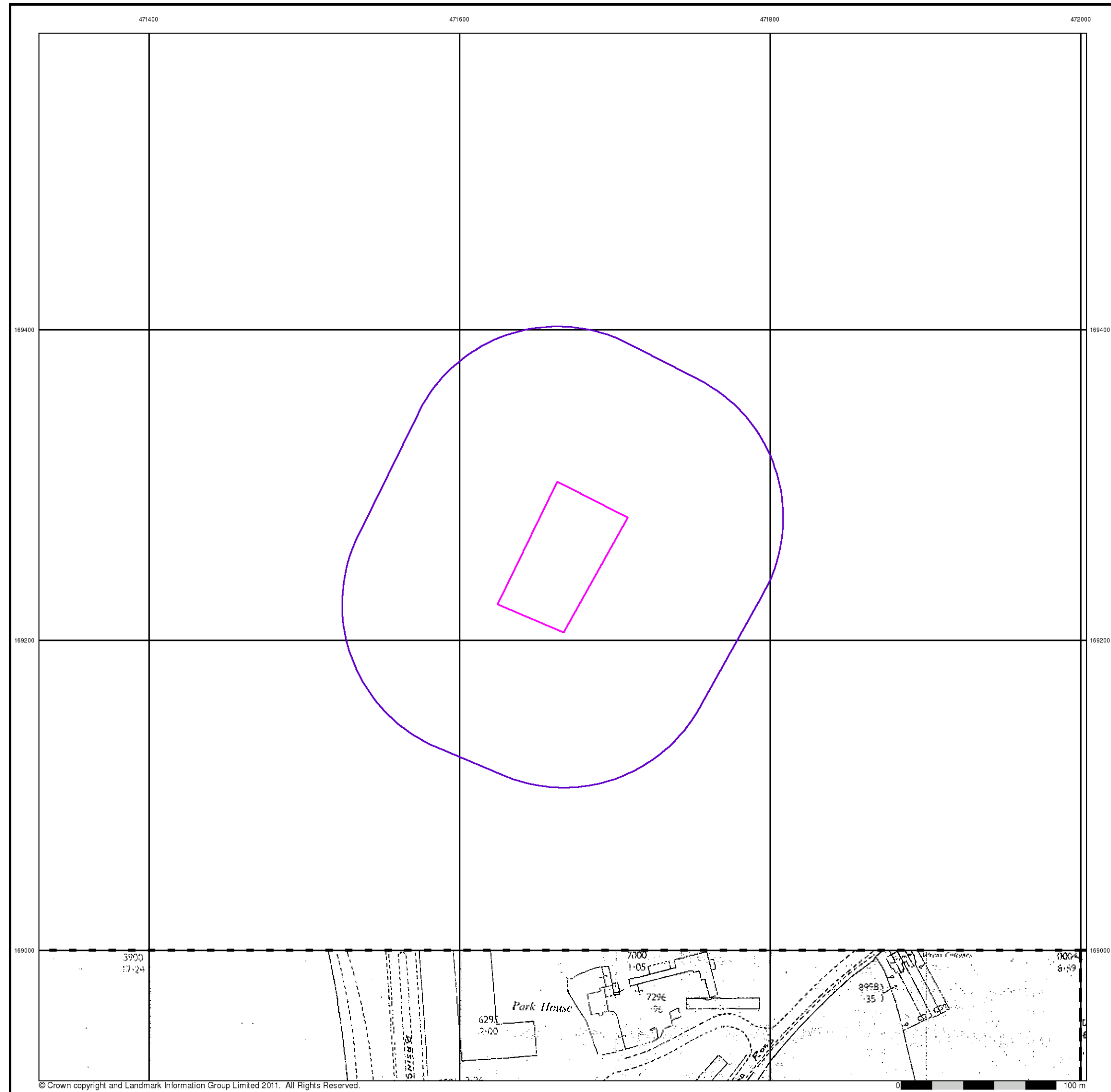
Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA

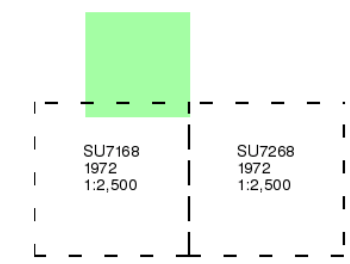




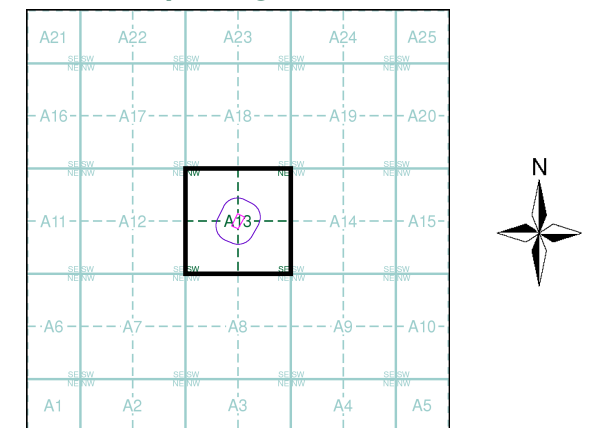
Additional SIMs
Published 1972
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details
Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details
Shell Service Station, Basingstoke Road, READING, RG2 0TA

Supply of Unpublished Survey Information

Published 1974

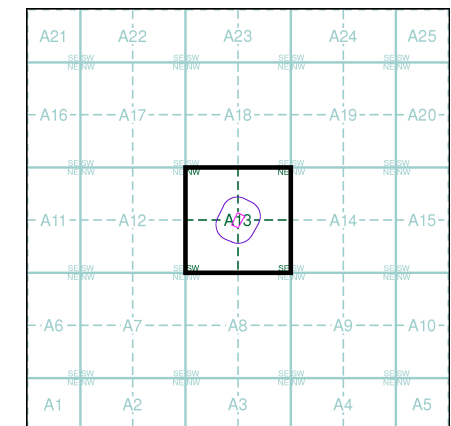
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SU7169NW 1974 1:1,250	SU7169NE 1974 1:1,250	SU7269NW 1974 1:1,250
SU7169SE 1974 1:1,250		

Historical Map - Segment A13



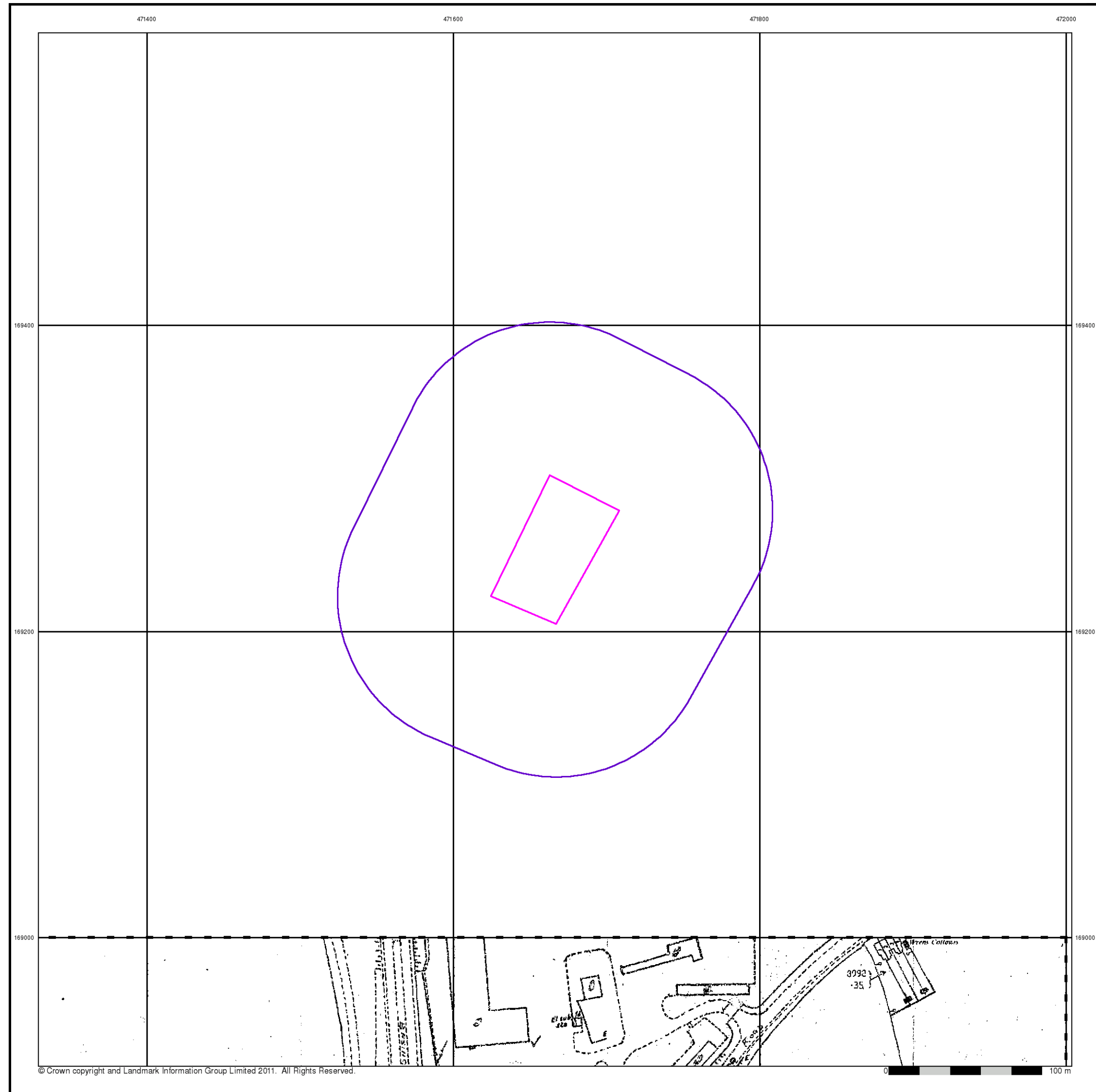
Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA





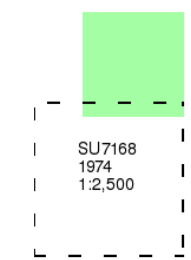
Supply of Unpublished Survey Information

Published 1974

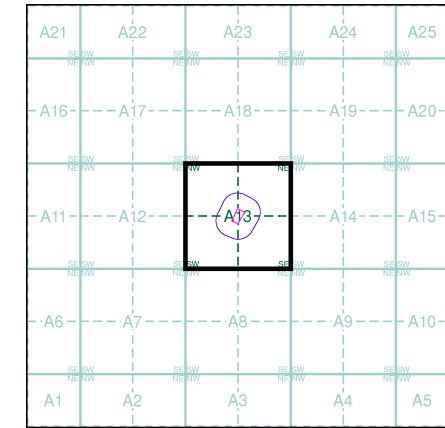
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



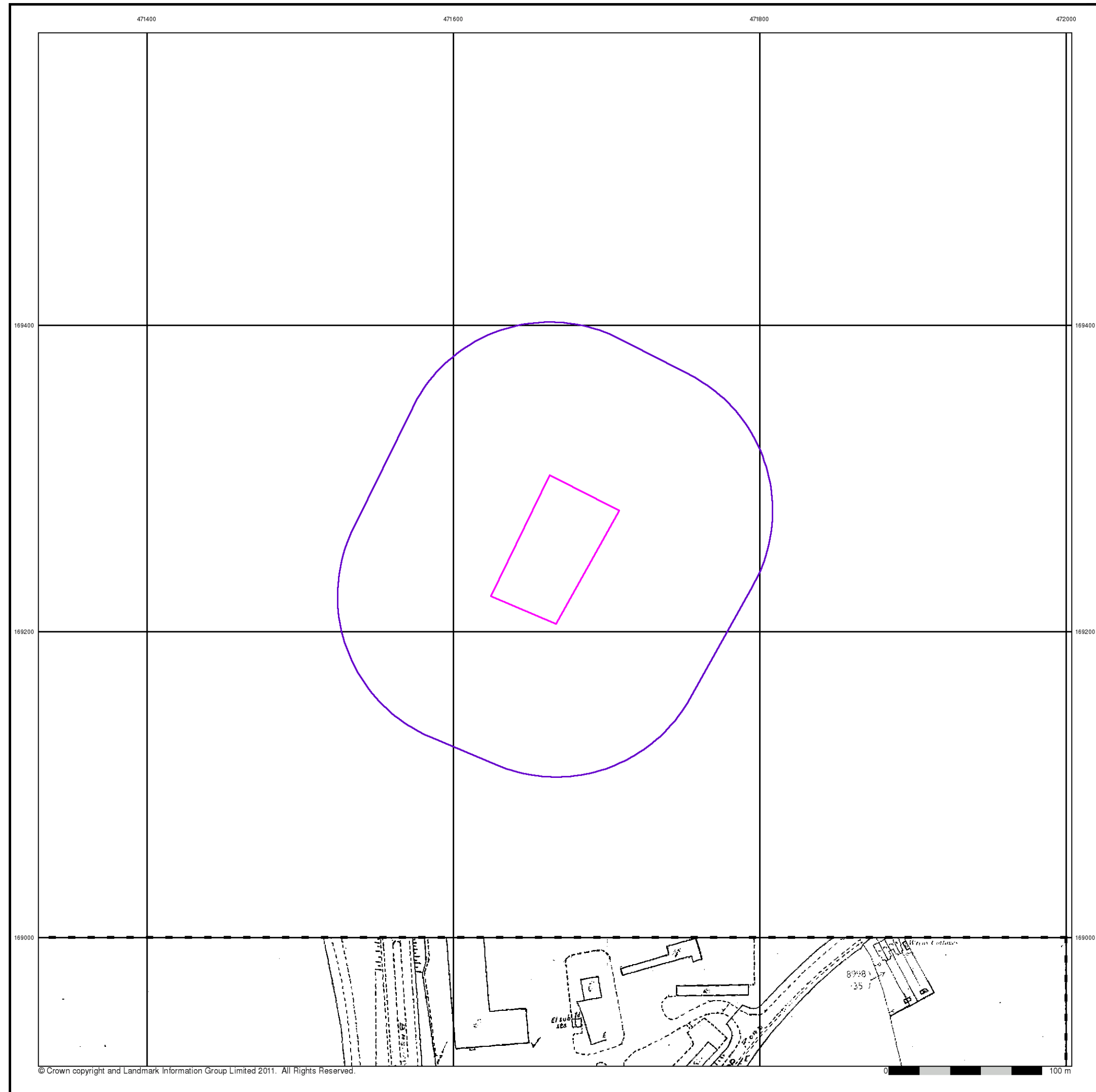
Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

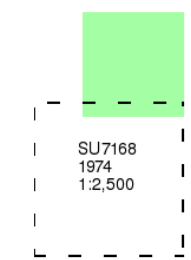
Shell Service Station, Basingstoke Road, READING, RG2 0TA



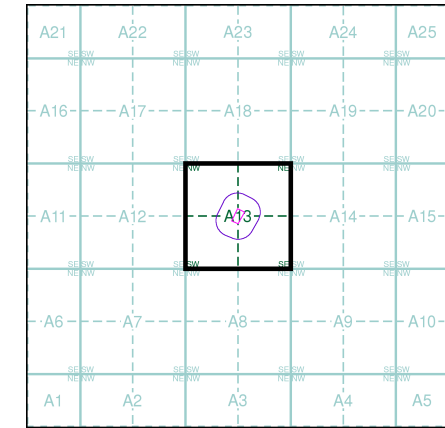


Supply of Unpublished Survey Information
Published 1974
Source map scale - 1:2,500
SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

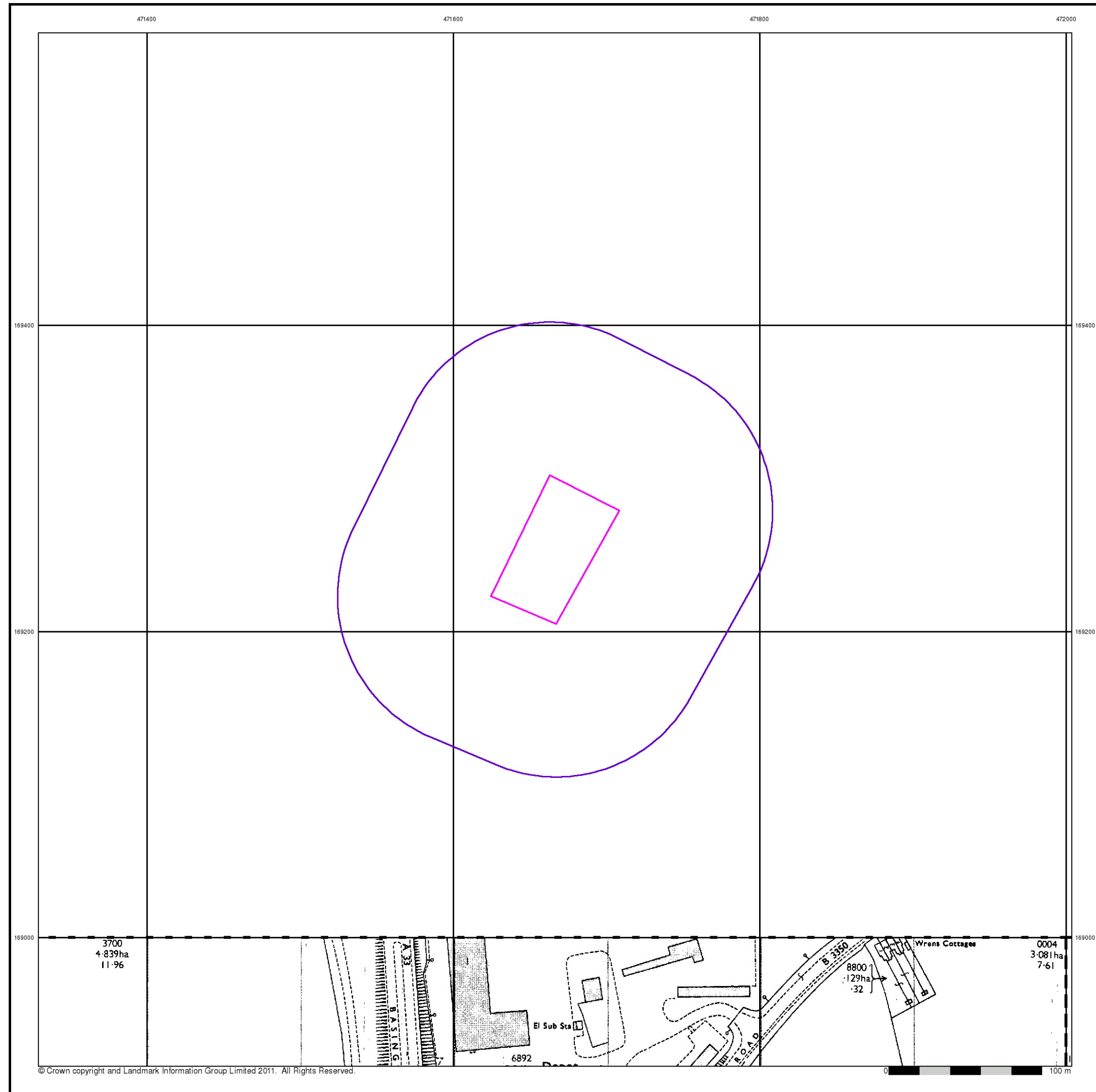


Historical Map - Segment A13



Order Details
Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details
Shell Service Station, Basingstoke Road, READING, RG2 0TA



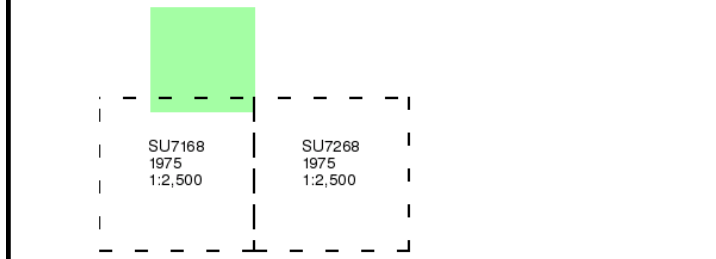
Ordnance Survey Plan

Published 1975

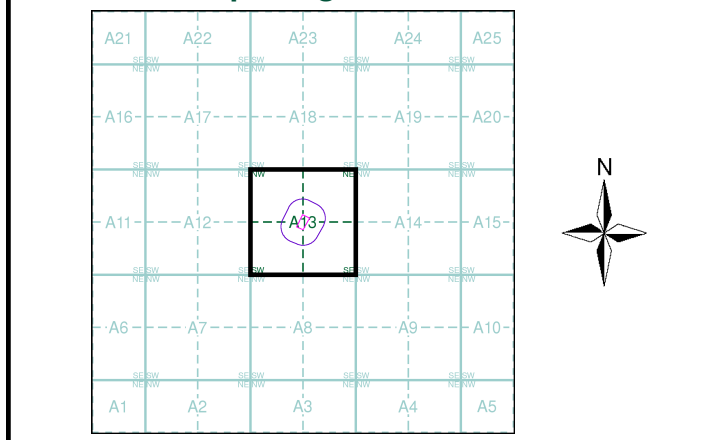
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

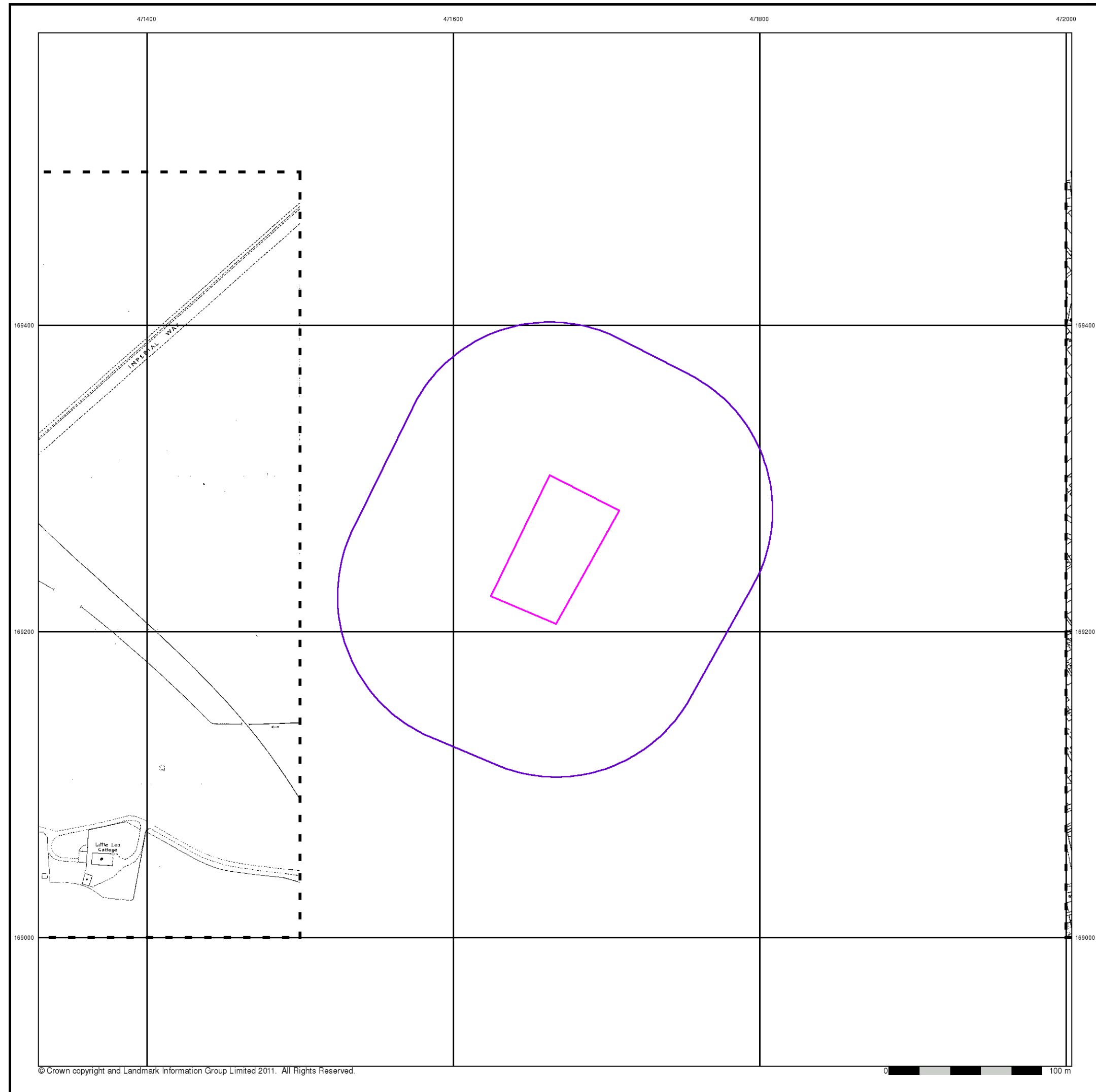


Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



Additional SIMs
Published 1980 - 1986
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

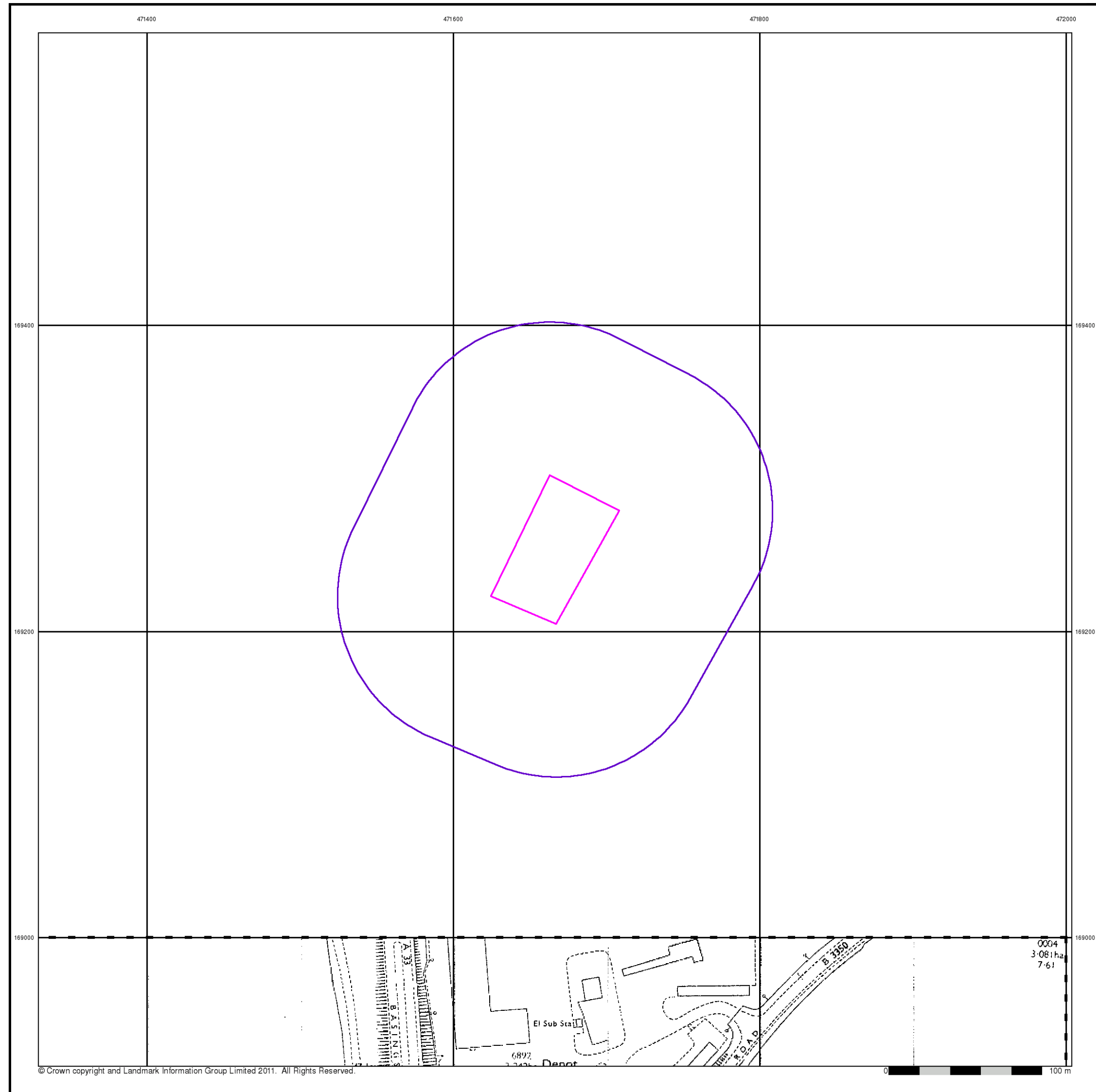
SU7169SW
1980
1:1,250

SU7269SW
1986
1:1,250

Historical Map - Segment A13

Order Details
Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details
Shell Service Station, Basingstoke Road, READING, RG2 0TA





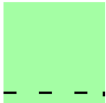
Additional SIMs

Published 1980

Source map scale - 1:2,500

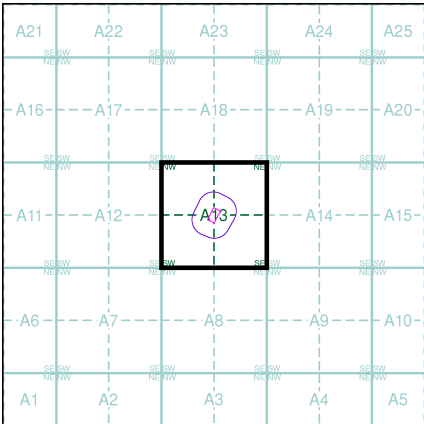
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)



SU7168
1980
1:2,500

Historical Map - Segment A13



Order Details

Order Number:	35900791_2_1
Customer Ref:	Shell Fairfield
National Grid Reference:	471670, 169250
Slice:	A
Site Area (Ha):	0.42
Search Buffer (m):	100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



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Web: www.envirocheck.co.uk

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Ordnance Survey Plan

Published 1983 - 1986

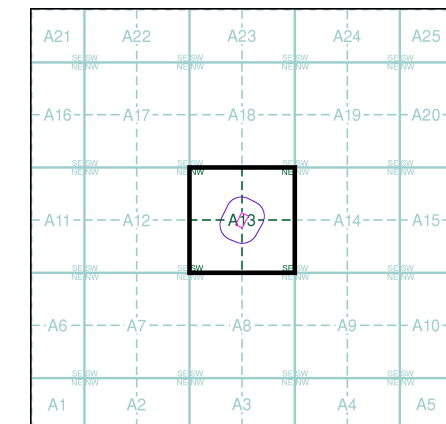
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SU7169NW 1985 1:1,250	SU7169SE 1983 1:1,250	SU7269SW 1986 1:1,250
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Historical Map - Segment A13

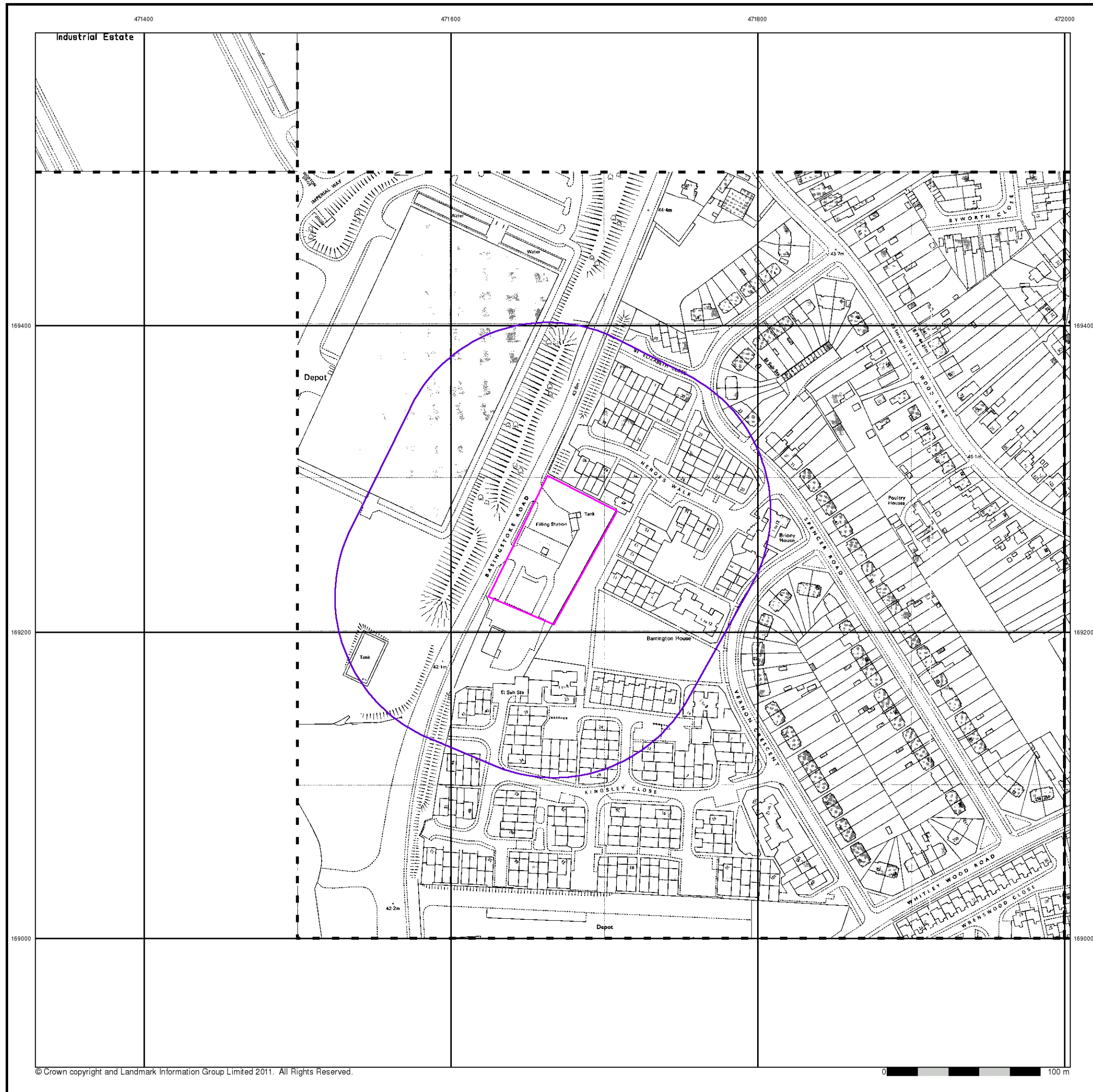


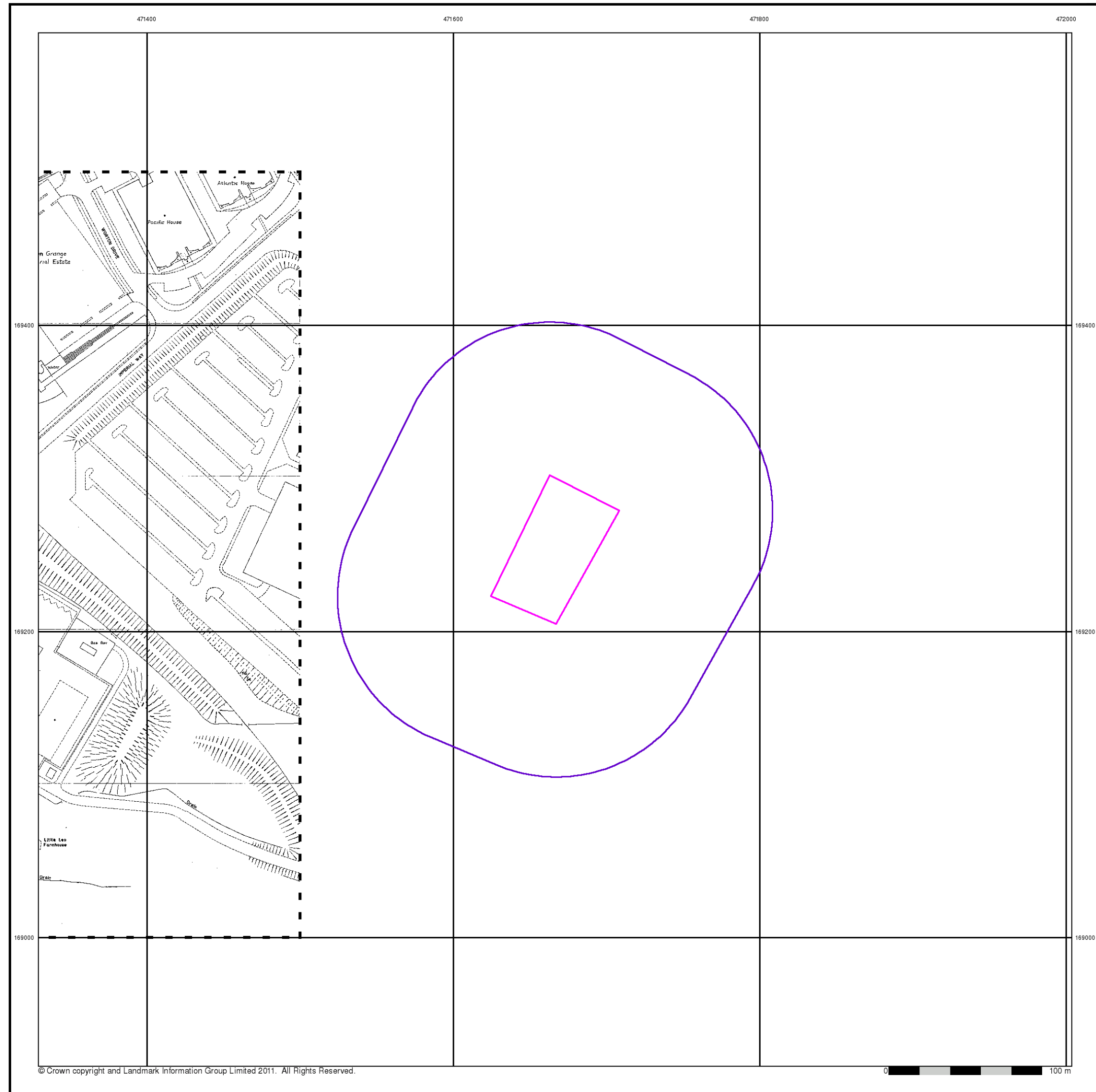
Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA





Additional SIMs
Published 1985
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SU7169SW
1985
1:1,250

Historical Map - Segment A13

Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details
Shell Service Station, Basingstoke Road, READING, RG2 0TA

Large-Scale National Grid Data

Published 1994

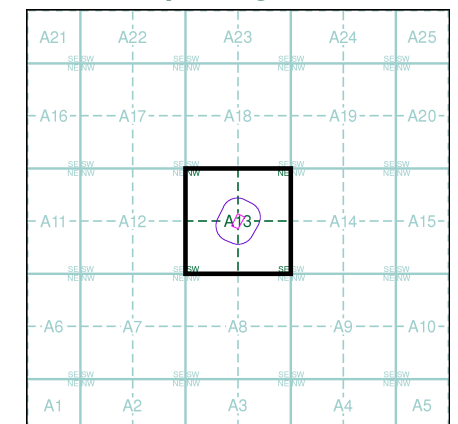
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SU7169NW	SU7169NE	SU7269NW
1994	1994	1994
1:1,250	1:1,250	1:1,250
SU7169SW	SU7169SE	SU7269SW
1994	1994	1994
1:1,250	1:1,250	1:1,250
SU7168NW	SU7168NE	SU7268NW
1994	1994	1994
1:1,250	1:1,250	1:1,250

Historical Map - Segment A13

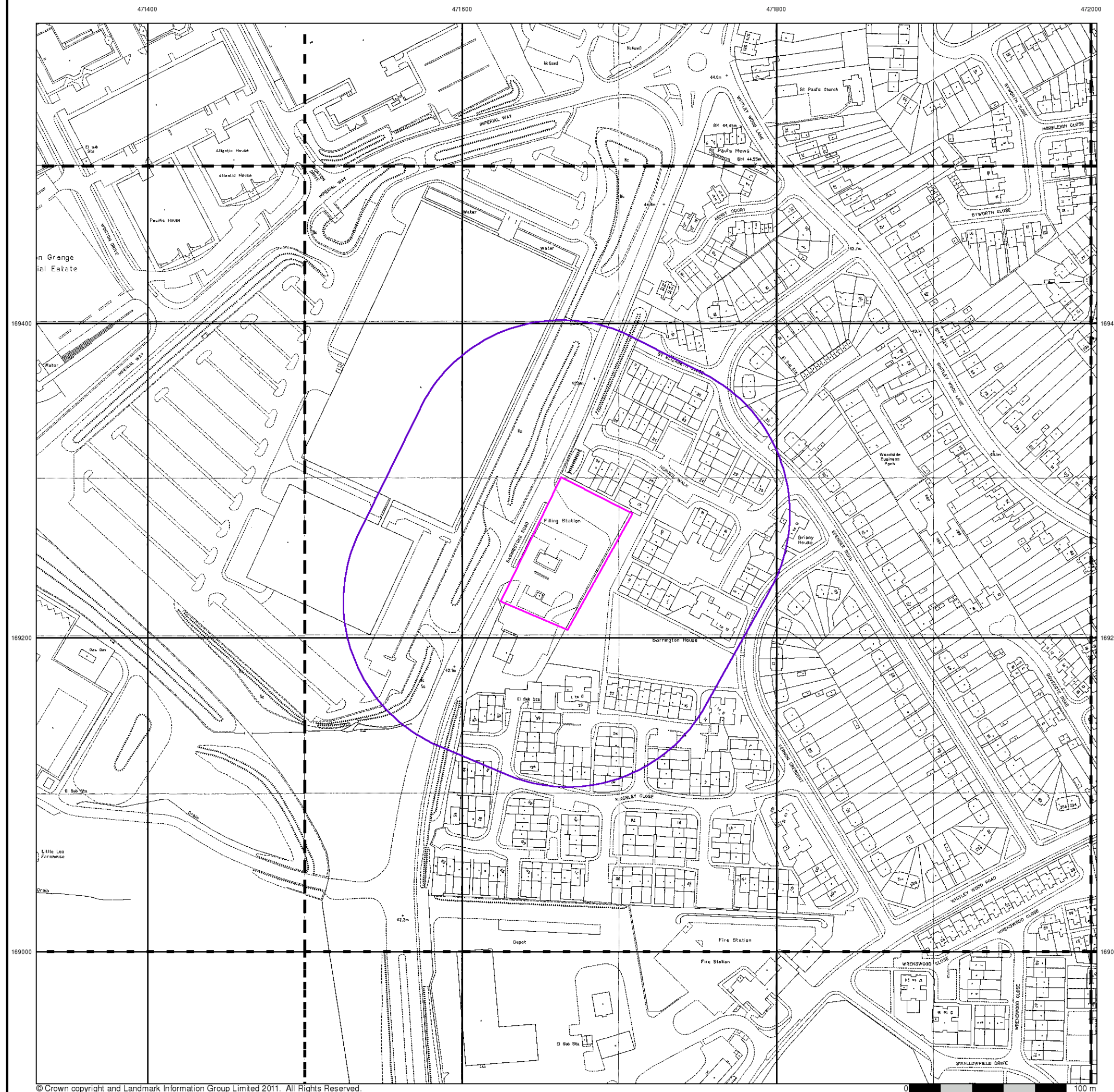


Order Details

Order Number: 35900791_2_1
 Customer Ref: Shell Fairfield
 National Grid Reference: 471670, 169250
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



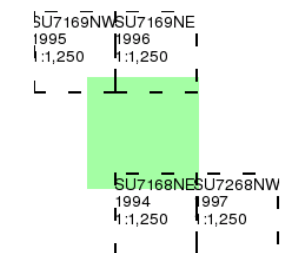
Large-Scale National Grid Data

Published 1994 - 1997

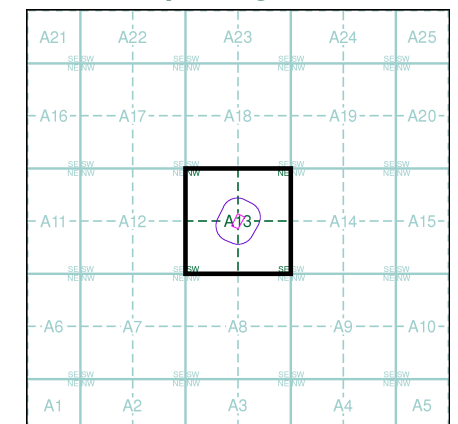
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13

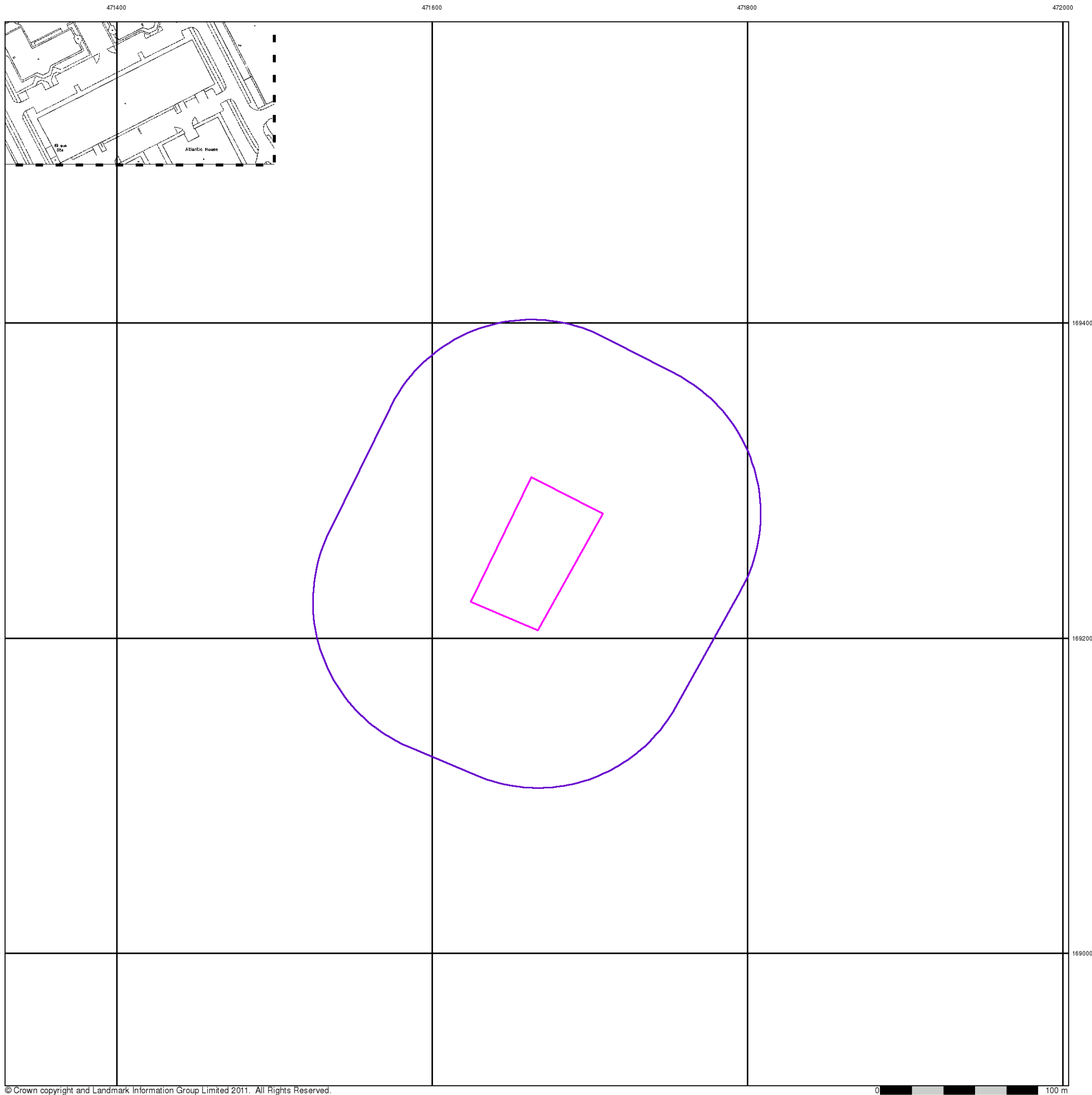


Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



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0 100 m



Large-Scale National Grid Data

Published 1997

Source map scale - 1:1,250

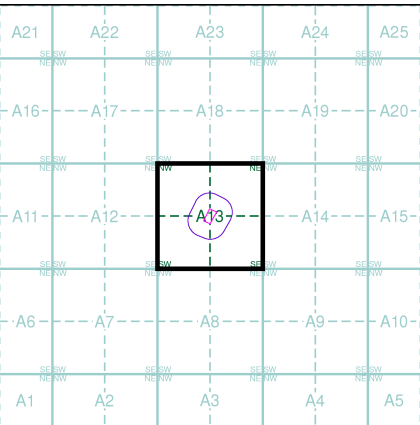
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

SU7169NW
1997
1:1,250



Historical Map - Segment A13



Order Details

Order Number: 35900791_2_1
Customer Ref: Shell Fairfield
National Grid Reference: 471670, 169250
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Shell Service Station, Basingstoke Road, READING, RG2 0TA



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

APPENDIX C PETROLEUM OFFICER RESPONSE

Short, Bethan

From: Parsons, Neil <Neil.Parsons@reading.gov.uk>
Sent: 08 June 2016 15:29
To: Whicher, Alexandra
Subject: Shell Fairfield
Attachments: faifieldplan.pdf

Dear Alex,

I have consulted both our departmental premise database and hardcopy premise file and can state the following with regard to Shell Fairfield site at 585 Basingstoke Road, Reading.

Until August 1998 the enforcement authority responsible for this site, in common with all other petroleum storage sites in Berkshire , was the Royal Berkshire Fire Brigade and all records made up to were made and kept by the Fire Brigade before being transferred to successor authorities upon local government reorganisation in August 1998.

Our earliest record for 585 Basingstoke Road dates back to January 1975 and refers to a change of operator: the operation of the site became the responsibility of City Petroleum on 20th January. The site has been licenced to store petroleum since ,at least ,1975 and is now issued with a certificate as required by the most recent Petroleum Consolidation regulations.

The most recent site plan is dated Dec 2006. According to this plan there are seven tanks on site. The capacities are as follows:

- No.1 35276 lit
- No.2 35276 lit
- No.3 35276lit (Diesel)
- No.4 12550 lit
- No.5 12438 (Diesel)
- No.6 27276
- No.7 27276 (Diesel)

What follows is a summary of works at the site notified to Royal Berkshire Fire Brigade and Reading Borough Council:

Feb 1981: Installation of additional tanks and associated pipework. Tanks tested aboveground prior to installation.

June 1987: 2xc.6000 gallon tanks installed. New and existing tanks all tested.

Sept 1995: All pumps and pump islands and connecting pipework removed and replaced.

May 2000: installation of ATM in shop.

Early 2001: Installation of equipment cabin and antenna.

May 2003: Grade change at site.

Jan 2004: Replacement of suction lines.

Feb 2004: Notification of environmental survey by GeoDelft of Congleton, Cheshire. Results not reported to local authority.

Aug 2004: Installation of new interceptor.

July 2006: General forecourt repairs: replacement of sinking manhole covers and frames.

Feb- March 2007: Refurbishment of site including renewal of HRA surfaces, installation of new tanker stand, installation of new Ventmaster system , concrete repairs, tank refurbishment and relining.

No record of any major spill or other incident is recorded against this site. A number of relatively minor issues have been reported and these are summarised as follows:

Oct 2006: Escaping LPG from main tank.

Oct 2006: Failure of diesel tank (Tank 7). Water discovered inside tank c 31 October though source was unclear. Assumption appears to have been that tank was damaged below ground level. Tank was sealed and taken out of use. Repair carried out 15 November 06. Upon re-inspection the petroleum officer reported that there was a smell of LPG issuing from the tank : no further action recorded.

Sept 2008: complaint received about alleged mixture of diesel and petrol delivered from pump into consumer’s vehicle. Issue investigated by Trading Standards but no conclusion recorded on file.

I could find only one plan on file that I could make a copy of . It dates ,I think , from 2001 and I have attached it above.

I hope that this information is useful to you. Please do not hesitate to contact me if you have any queries.

Yours Sincerely
Neil Parsons
Senior Consumer Protection Officer
Reading Borough Council
Tel: 0118 937 2317



OS Co-ordinates
E N

Sign orientation /

Top of sign m agl

REV	DATE
PROJECT	FAIRFIELD, BASINGSTOKE ROAD, READING, BERKSHIRE. RG2 0HZ.

HSB PARTNERSHIP
Myddelton House
30 Myddelton Square
London EC1R 1TA

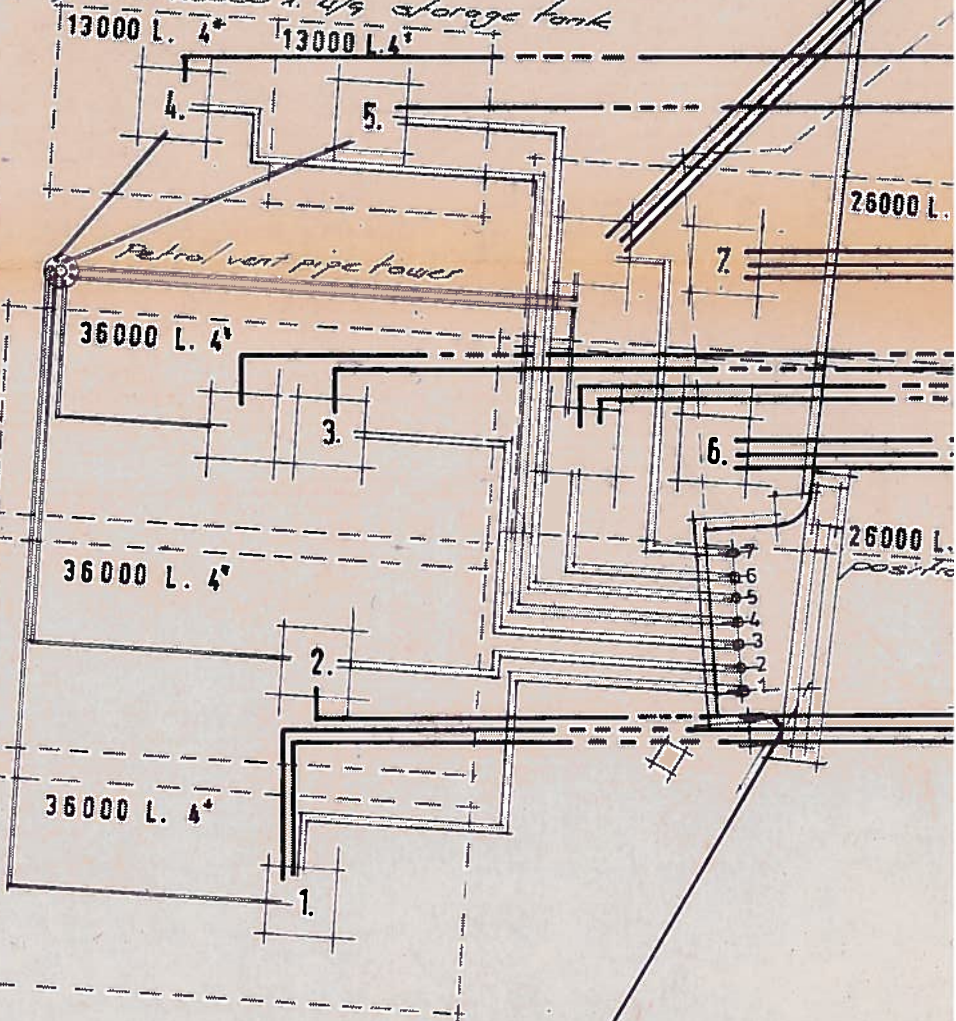
Tel: 020 7833 2468
Fax: 020 7837 3612

DRAWING NO.
SC/HSB/21237/71291/101

selah! 24
canat msc.

position of new 26000 l. 4/9 storage tank

position of existing 4/9 storage tanks to be retained



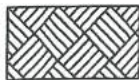
APPENDIX D GEODELFT , RSK, URS & BGS LOGS

Key to Legends used on Borehole and Probehole Logs

Strata Legends



Asphalt



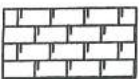
Bedrock



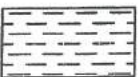
Boulders & Cobbles



Breccia



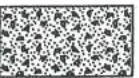
Chalk



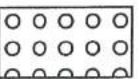
BSI Clay



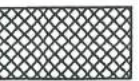
Coal



Concrete



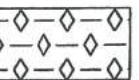
Conglomerate



Fill
(Madeground)



BSI Gravel



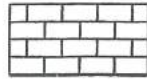
Gypsum



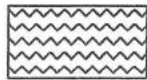
Fine-grained
Igneous rock



Medium-grained
Igneous rock



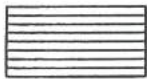
Limestone



Fine-grained
Metamorphic
Rock



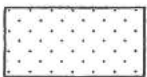
Medium-grained
Metamorphic
Rock



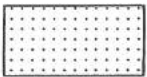
Mudstone



BSI Peat



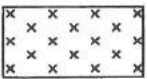
BSI Sand



Sandstone



Shale



BSI Silt



Siltstone

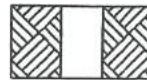


Topsoil

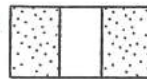
Installation Legends



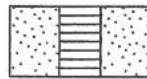
Bentonite Seal



Cement



Filter Pack
(10mm pea gravel)



Slotted pipe



Backfill
(arising)

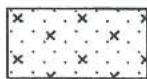


Water Strike



Water Rise

NOTE: Composite soil types
will be signified by combined
symbols, e.g.



Silty sand

BOREHOLE LOG

Project Shell Fairfield				Client SUKOP		BOREHOLE No BH1/034
Project No. C2336.SG034	Date 12-02-04 12-02-04	Ground Level (m)	Co-Ordinates () E N		Diameter (mm) 150	
Method Comp 130		Contractor Global Probing & Sampling		Logged By DH	Scale 1:50	Sheet 1 of 1

SAMPLES & TESTS			Water	STRATA					Instrument/ Backfill
Depth	Type No	Field Test Results		Reduced Level	Depth (Thick- ness)	DESCRIPTION	Legend		
0.50	D			0.12	Tarmacadam surface				
			0.30	MADEGROUND : Wet grey/ dark grey angular to subangular fine to coarse gravel with some sand matrix (Hardcore).					
			0.45	MADEGROUND : Dark grey/ green grey clay with some angular to subangular fine to medium gravel of brick and hardcore.					
			0.60	MADE GROUND : Dark grey/ black Sand with some angular to subangular fine to coarse gravel of hardcore, ash and brick.					
1.00-1.45	SPT	N=8		(0.60)	Soft to firm dark green/ dark grey slightly sandy clayey SILT with little subangular to subrounded fine to meddium gravel of flint.				
1.00		V=1.4		1.20	Firm / locally grey occasionally slightly sandy CLAY.				
1.50-2.00	U100	H=<10							
2.00-2.45	SPT	N=10			2.00 Becoming firm to stiff clay with little subangular to subrounded fine to medium gravel.				
2.00		V=1.3			2.50 Becoming stiff clay				
		H=<10							
3.00	J	V=0.8							
		H=<10							
3.50-4.00	U100					3.40 - 3.50 Mudstone layer.			
4.00-4.45	SPT	N=15		(5.80)					
4.00		V=0.8							
		H=<10							
4.65					4.65 Stiff to very stiff dark grey slightly silty Clay.				
5.00-5.18	U	V=1.2							
		H=<10							
6.00-6.45	SPT	N=21			6.00 Becoming very stiff slightly silty clay with rare mudstone.				
6.00		V=0.9							
		H=<10							
7.00-7.18	U	V=1.0		7.00					
		H=<10							
7.20-7.65	SPT	V=1.0							
7.20		H=<10							
		N=21							
		H=<10							

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing	Water Strike	Water Rise	From	To	Time (hhmm)	From	To	
											No ground water encountered during drilling.

Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD



Project No: 310413

Boring Method: TP	Ground Level (mASD):	Record of : TP1
Date: 24/01/2007 - 24/01/2007	-	1 of 1
Driller: Bayliss	Top of Casing Elevation (mASD):	Scale, 1:50
Logged By: SP	NOT DETERMINED	

Samples Depth	Tests (m) and Field Records	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
		20 40 60 80	0.0	MADE GROUND: Concrete		
			0.20			
			(0.70)	MADE GROUND: loose to moderately compact grey silty gravel. Gravel is fine to coarse sub-angular brick and concrete.		
			0.90			
			1.0			
			(0.65)	Firm light grey and brown CLAY with occasional sandy lenses.		
			1.55	End of Borehole at 1.55 m		
			2.0			
			3.0			
			4.0			
			5.0			
			6.0			
			7.0			
			8.0			
			9.0			
			10.0			

General Remarks: Borehole terminated at 1.55m, hand dug and backfilled with clean arisings. RSK GROUP PLC. Green Farm Business Park, Latteridge Green. Folly Road, Bristol. BS37 9TS. 12:45:25 - 11/06/2007	Water Strikes		Chiselling			Borehole and Casing Details			
						Borehole		Casing	
	Strike ↴	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
	No Groundwater Encountered								

Boring Method: TP

Date: 24/01/2007 - 24/01/2007

Driller: Bayliss

Logged By: SP

Ground Level (mASD):

50.000m

Top of Casing Elevation (mASD):

NOT DETERMINED

Record of : TP2

1 of 1

Scale, 1:50

Samples Depth	Tests (m) and Field Records	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
		20 40 60 80	0.0	MADE GROUND: Brick paving.		
			49.80 0.20			
			49.70 0.30	CONCRETE		
			49.20 0.80	MADE GROUND: Loose to moderately compact red slightly clayey gravelly sand. Gravel is fine to coarse sub-angular brick. Black staining and Hydrocarbon odour at 0.8m bgl.		
			1.0			
			2.0	End of Borehole at 0.80 m		
			3.0			
			4.0			
			5.0			
			6.0			
			7.0			
			8.0			
			9.0			
			10.0			

General Remarks:

General Remarks:
Borehole terminated at 0.80m, hand dug and backfilled with clean arisings. Black staining and hydrocarbon odour at 0.80m bgl.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ↘	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
No Groundwater Encountered								

Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD

Project No: 310413



Boring Method: TP	Ground Level (mASD):	Record of : TP3
Date: 24/01/2007 - 24/01/2007	50.000m	1 of 1
Driller: Bayliss	Top of Casing Elevation (mASD):	Scale, 1:50
Logged By: SP	NOT DETERMINED	

Samples Depth	Tests (m) and Field Records	20	40	60	80	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
						49.80	0.20	MADE GROUND: Brick paving.		
							(0.60)	MADE GROUND: Loose to moderately compact red very sandy gravel. Gravel is fine to coarse sub-rounded to sub-angular limestone (type 1). Black staining and strong hydrocarbon odour ar 0.8m bgl.		
						49.20	0.80			
						48.80	1.20	Firm grey CLAY.		
								End of Borehole at 1.20 m		
							2.0			
							3.0			
							4.0			
							5.0			
							6.0			
							7.0			
							8.0			
							9.0			
							10.0			

General Remarks: Borehole terminated at 1.20m, hand dug and backfilled with clean arisings. Black staining and strong hydrocarbon odour at 0.80m bgl.	Water Strikes		Chiselling			Borehole and Casing Details			
						Borehole		Casing	
	Strike ↗	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
	No Groundwater Encountered								

RSK GROUP PLC.
Green Farm Business Park, Latteridge Green.
Folly Road, Bristol. BS37 9TS.

12:45:48 - 11/06/2007

Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD

Project No: 310413



Boring Method: TP	Ground Level (mASD):	Record of : TP4
Date: 29/01/2007 - 29/01/2007	-	1 of 1
Driller: Bayliss	Top of Casing Elevation (mASD):	Scale, 1:50
Logged By: SP	NOT DETERMINED	

Samples Depth	Tests (m) and Field Records	20	40	60	80	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
							0.0	MADE GROUND: Brick paving		
							0.20			
							0.50	MADE GROUND: Loose to moderately compact light brown gravelly sand. Gravel is fine to coarse sub-angular to sub-rounded chert, limestone and brick.		
							(1.00)1.0			
							1.50	Firm light grey CLAY		
								End of Borehole at 1.50 m		
							2.0			
							3.0			
							4.0			
							5.0			
							6.0			
							7.0			
							8.0			
							9.0			
							10.0			

General Remarks: Borehole terminated at 1.50m, hand dug and backfilled with clean arisings.	Water Strikes		Chiselling			Borehole and Casing Details			
						Borehole		Casing	
	Strike ↗	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
	No Groundwater Encountered								

Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD

Project No: 310413



Boring Method: TP	Ground Level (mASD):	Record of : TP5
Date: 24/01/2007 - 24/01/2007	50.000m	1 of 1
Driller: Bayliss	Top of Casing Elevation (mASD):	Scale, 1:50
Logged By: SP	NOT DETERMINED	

Samples Depth	Tests (m) and Field Records	20	40	60	80	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
						49.90	0.10	TARMACADAM		
						49.60	0.40	MADE GROUND: Loose to moderately compact light grey very sandy gravel. Gravel is fine to coarse sub-angular brick and concrete.		
						(1.10)	1.0			
						48.50	1.50	Firm light grey CLAY.		
								End of Borehole at 1.50 m		
							2.0			
							3.0			
							4.0			
							5.0			
							6.0			
							7.0			
							8.0			
							9.0			
							10.0			

General Remarks: Borehole terminated at 1.50m, hand dug and backfilled with clean arisings.	Water Strikes		Chiselling			Borehole and Casing Details			
						Borehole		Casing	
	Strike ↗	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
	No Groundwater Encountered								

Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD



Project No: 310413

Boring Method: TP	Ground Level (mASD):	Record of : TP6
Date: 24/01/2007 - 24/01/2007	50.000m	1 of 1
Driller: Bayliss	Top of Casing Elevation (mASD):	Scale, 1:50
Logged By: SP	NOT DETERMINED	

Samples Depth	Tests (m) and Field Records	20	40	60	80	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
							0.0	MADE GROUND: Grass over soft very gravelly clay. Gravel is fine to medium sub-angular to sub-rounded chert, brick and concrete.		
						49.50	0.50			
						49.00	1.00	Firm light brown laminated CLAY, with occasional sand lenses.		
								End of Borehole at 1.00 m		
							2.0			
							3.0			
							4.0			
							5.0			
							6.0			
							7.0			
							8.0			
							9.0			
							10.0			

General Remarks: Borehole terminated at 1.00m, hand dug and backfilled with clean arisings.	Water Strikes		Chiselling			Borehole and Casing Details			
						Borehole		Casing	
	Strike ↗	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
	No Groundwater Encountered								

Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD

Project No: 310413



Boring Method: TP	Ground Level (mASD):	Record of : TP7
Date: 24/01/2007 - 24/01/2007	-	1 of 1
Driller: Bayliss	Top of Casing Elevation (mASD):	Scale, 1:50
Logged By: SP	NOT DETERMINED	

Samples Depth	Tests (m) and Field Records	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
		20 40 60 80	0.0	MADE GROUND: Brick paving.		
			0.20			
			0.55	MADE GROUND: Gravel of brick. (MOT type/subgrade material)		
			1.00	MADE GROUND: Firm grey gravelly clay. Gravel is fine to medium sub-angular brick.		
			1.00	End of Borehole at 1.00 m		
			2.0			
			3.0			
			4.0			
			5.0			
			6.0			
			7.0			
			8.0			
			9.0			
			10.0			

General Remarks: Borehole terminated at 1.00m, hand dug and backfilled with clean arisings.	Water Strikes		Chiselling			Borehole and Casing Details			
						Borehole		Casing	
	Strike ↗	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
RSK GROUP PLC. Green Farm Business Park, Latteridge Green. Folly Road, Bristol. BS37 9TS.				No Groundwater Encountered					
				12:46:31 - 11/06/2007					

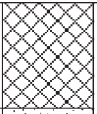
Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD



Project No: 310413

Boring Method: TP	Ground Level (mASD):	Record of : TP8
Date: 24/01/2007 - 24/01/2007	-	1 of 1
Driller: Bayliss	Top of Casing Elevation (mASD):	Scale, 1:50
Logged By: SP	NOT DETERMINED	

Samples Depth	Tests (m) and Field Records	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
		20 40 60 80	0.0 (0.70) 0.70 0.80 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0	MADE GROUND: Loose to moderately compact light brown sandy gravel (MOT type 1 fill). Loose to moderately compact black sandy slight gravelly SAND. Strong hydrocarbon odour. End of Borehole at 0.80 m		

General Remarks: Borehole terminated at 0.80m, hand dug and backfilled with clean arisings. Black stained layer with hydrocarbon odour at 0.80m bgl.	Water Strikes		Chiselling			Borehole and Casing Details			
						Borehole		Casing	
	Strike ↗	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
No Groundwater Encountered									

Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD

Project No: 310413



Boring Method: WS

Date: 29/01/2007 - 29/01/2007

Driller: Ardabus

Logged By: AF

Ground Level (mASD):

50.000m

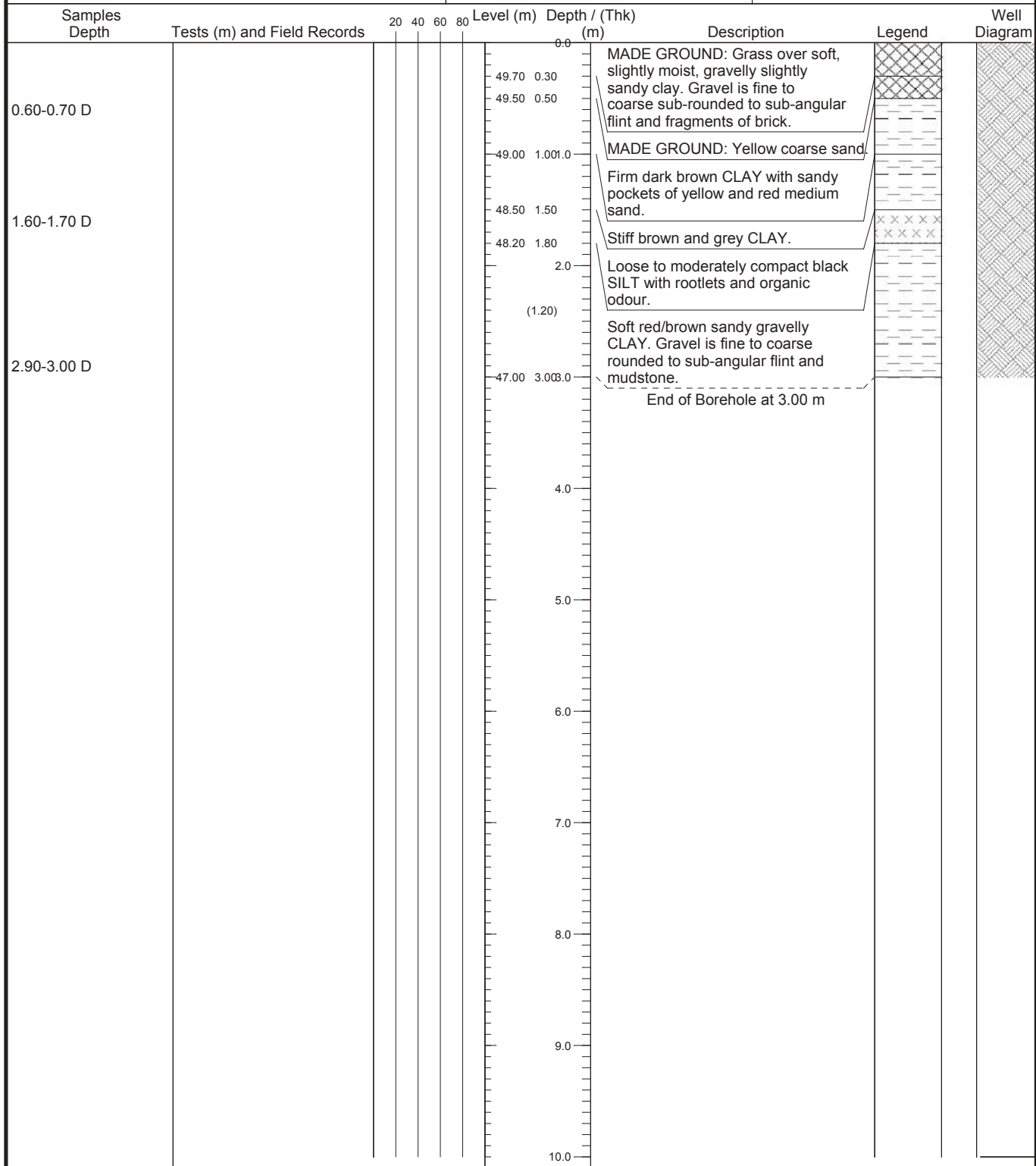
Top of Casing Elevation (mASD):

NOT DETERMINED

Record of : BH1

1 of 1

Scale, 1:50

**General Remarks:**

Borehole terminated at 3.0m bgl, hand dug and backfilled with clean arisings.

Water Strikes**Chiselling****Borehole and Casing Details****Borehole****Casing**Strike
▽Level
▼From:
(m)To:
(m)Time:
(hr's)Depth
(m)Diam.
(mm)Depth
(m)Diam.
(mm)RSK GROUP PLC.
Green Farm Business Park, Latteridge Green.
Folly Road, Bristol. BS37 9TS.

09:00:47 - 13/06/2007

Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD

Project No: 310413



Boring Method: WS

Date: 29/01/2007 - 29/01/2007

Driller: Ardabus

Logged By: AF

Ground Level (mASD):

-

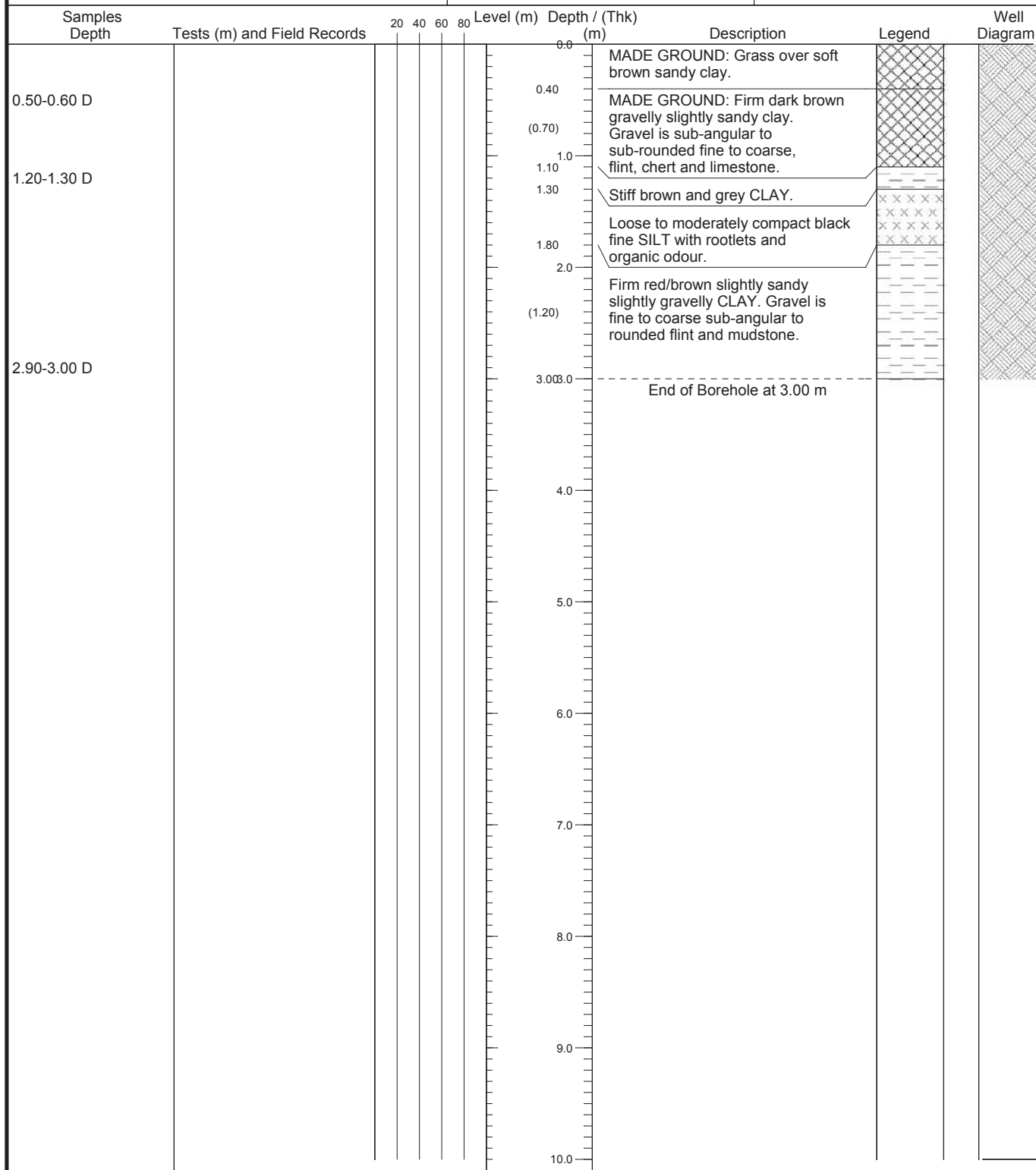
Top of Casing Elevation (mASD):

NOT DETERMINED

Record of : BH2

1 of 1

Scale, 1:50

**General Remarks:**

Borehole terminated at 3.0m bgl, hand dug and backfilled with clean arisings.

Water Strikes**Chiselling****Borehole and Casing Details****Borehole****Casing**Strike
▽Level
▼From:
(m)To:
(m)Time:
(hr's)Depth
(m)Diam.
(mm)Depth
(m)Diam.
(mm)

Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD

Project No: 310413



Boring Method: WS

Date: 29/01/2007 - 29/01/2007

Driller: Ardabus

Logged By: AF

Ground Level (mASD):

-

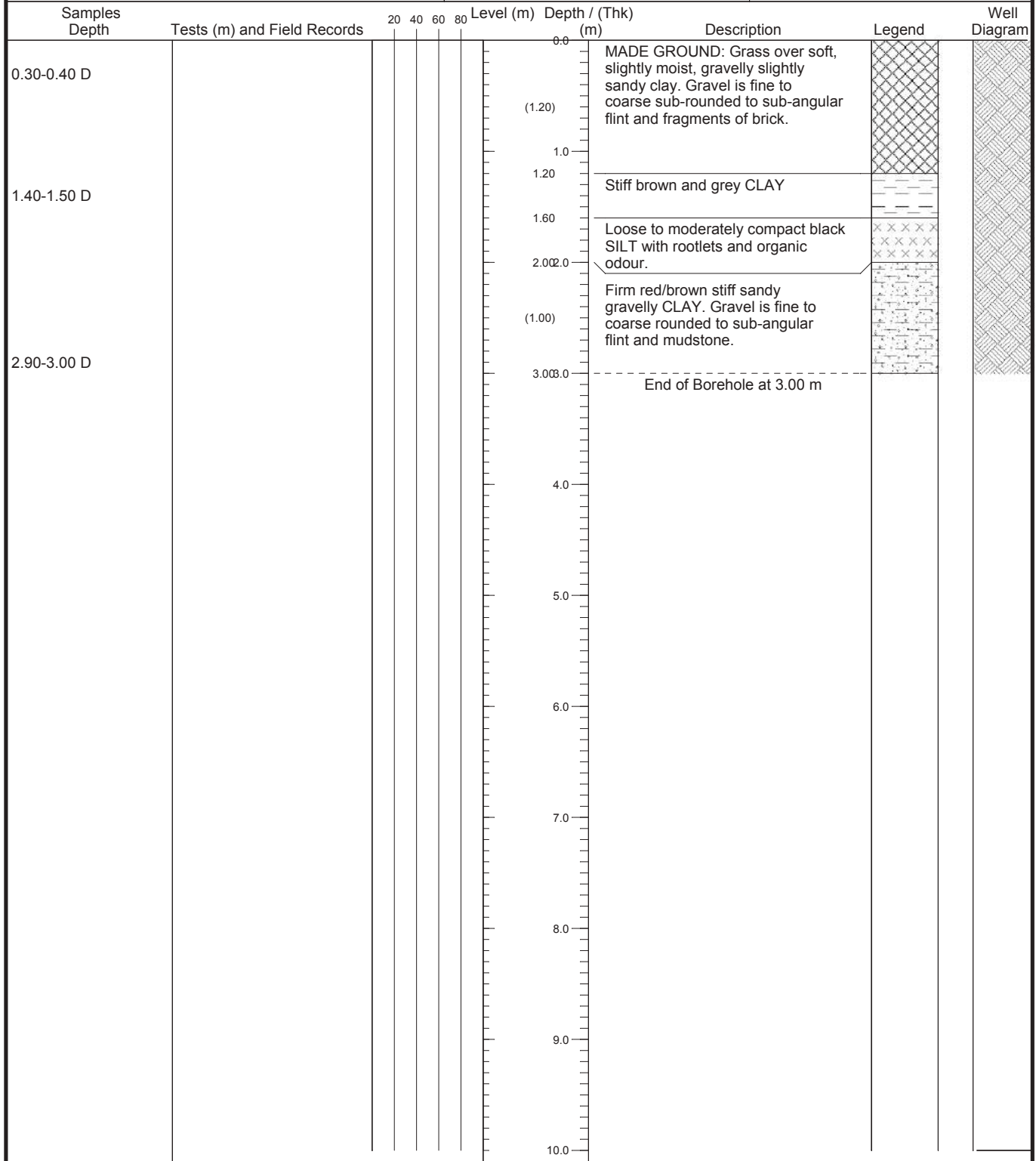
Top of Casing Elevation (mASD):

NOT DETERMINED

Record of : BH3

1 of 1

Scale, 1:50

**General Remarks:**

Borehole terminated at 3.0m bgl, hand dug and backfilled with clean arisings.

Water Strikes**Chiselling****Borehole and Casing Details****Borehole****Casing**Strike
▽Level
▼From:
(m)To:
(m)Time:
(hr's)Depth
(m)Diam.
(mm)Depth
(m)Diam.
(mm)RSK GROUP PLC.
Green Farm Business Park, Latteridge Green.
Folly Road, Bristol. BS37 9TS.

09:01:48 - 13/06/2007

Client: SHELL (UK) OIL PRODUCTS LIMITED																																																																																																																																																						
Site: FAIRFIELD																																																																																																																																																						
Project No: 310413																																																																																																																																																						
Boring Method: WS					Ground Level (mASD):					Record of : BH4																																																																																																																																												
Date: 29/01/2007 - 29/01/2007					50.000m					1 of 1																																																																																																																																												
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<table><tr><td>Samples Depth</td><td>Tests (m) and Field Records</td><td>20</td><td>40</td><td>60</td><td>80</td><td>Level (m)</td><td>Depth / (Thk) (m)</td><td>Description</td><td>Legend</td><td>Well Diagram</td></tr><tr><td rowspan="3">0.70-0.80 D</td><td rowspan="3"></td><td rowspan="3"></td><td rowspan="3"></td><td rowspan="3"></td><td rowspan="3"></td><td>0.0</td><td></td><td>TARMACADAM</td><td></td><td rowspan="3"></td></tr><tr><td>49.75 0.25</td><td>MADE GROUND: Comprising sands and gravels (type 1 fill).</td><td rowspan="2"></td></tr><tr><td>49.50 0.50</td><td>MADE GROUND: Slightly sandy slightly gravelly clay.</td></tr><tr><td rowspan="3">1.40-1.50 D</td><td rowspan="3"></td><td rowspan="3"></td><td rowspan="3"></td><td rowspan="3"></td><td rowspan="3"></td><td>(0.60)</td><td></td><td></td><td></td><td rowspan="3"></td></tr><tr><td>48.90 1.10</td><td>Loose to moderately compact black SILT with occasional rootlets and organic odour.</td><td rowspan="2"></td></tr><tr><td>48.50 1.50</td><td>Stiff grey and light brown and occasionally orange slightly sandy CLAY.</td></tr><tr><td rowspan="3">2.90-3.00 D</td><td rowspan="3"></td><td rowspan="3"></td><td rowspan="3"></td><td rowspan="3"></td><td rowspan="3"></td><td>2.0</td><td></td><td></td><td></td><td rowspan="3"></td></tr><tr><td>(1.50)</td><td></td><td></td><td></td></tr><tr><td>47.00 3.00</td><td>End of Borehole at 3.00 m</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>4.0</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>5.0</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>6.0</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>7.0</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>8.0</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>9.0</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>10.0</td><td></td><td></td><td></td><td></td></tr></table>												Samples Depth	Tests (m) and Field Records	20	40	60	80	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram	0.70-0.80 D						0.0		TARMACADAM			49.75 0.25	MADE GROUND: Comprising sands and gravels (type 1 fill).		49.50 0.50	MADE GROUND: Slightly sandy slightly gravelly clay.	1.40-1.50 D						(0.60)					48.90 1.10	Loose to moderately compact black SILT with occasional rootlets and organic odour.		48.50 1.50	Stiff grey and light brown and occasionally orange slightly sandy CLAY.	2.90-3.00 D						2.0					(1.50)				47.00 3.00	End of Borehole at 3.00 m									4.0											5.0											6.0											7.0											8.0											9.0											10.0				
Samples Depth	Tests (m) and Field Records	20	40	60	80	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram																																																																																																																																												
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						49.50 0.50	MADE GROUND: Slightly sandy slightly gravelly clay.																																																																																																																																															
1.40-1.50 D						(0.60)																																																																																																																																																
						48.90 1.10	Loose to moderately compact black SILT with occasional rootlets and organic odour.																																																																																																																																															
						48.50 1.50	Stiff grey and light brown and occasionally orange slightly sandy CLAY.																																																																																																																																															
2.90-3.00 D						2.0																																																																																																																																																
						(1.50)																																																																																																																																																
						47.00 3.00	End of Borehole at 3.00 m																																																																																																																																															
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General Remarks: Borehole terminated at 3.0m bgl, hand dug and backfilled with clean arisings.						Water Strikes		Chiselling			Borehole and Casing Details																																																																																																																																											
											Borehole		Casing																																																																																																																																									
						Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)																																																																																																																																								
RSK GROUP PLC. Green Farm Business Park, Latteridge Green. Folly Road, Bristol. BS37 9TS.						No Groundwater Encountered																																																																																																																																																
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Client: SHELL (UK) OIL PRODUCTS LIMITED																																																																																																																																																										
Site: FAIRFIELD																																																																																																																																																										
Project No: 310413																																																																																																																																																										
Boring Method: WS					Ground Level (mASD):					Record of : BH5 1 of 1 Scale, 1:50																																																																																																																																																
Date: 29/01/2007 - 29/01/2007					-																																																																																																																																																					
Driller: Ardabus					Top of Casing Elevation (mASD):																																																																																																																																																					
Logged By: AF					NOT DETERMINED																																																																																																																																																					
<table><tr><td>Samples Depth</td><td>Tests (m) and Field Records</td><td>20</td><td>40</td><td>60</td><td>80</td><td>Level (m)</td><td>Depth / (Thk) (m)</td><td>Description</td><td>Legend</td><td>Well Diagram</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.0</td><td>TARMACADAM</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.30</td><td>End of Borehole at 0.30 m</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1.0</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2.0</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>3.0</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>4.0</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>5.0</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>6.0</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>7.0</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>8.0</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>9.0</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>10.0</td><td></td><td></td><td></td></tr></table>												Samples Depth	Tests (m) and Field Records	20	40	60	80	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram								0.0	TARMACADAM										0.30	End of Borehole at 0.30 m										1.0											2.0											3.0											4.0											5.0											6.0											7.0											8.0											9.0											10.0			
Samples Depth	Tests (m) and Field Records	20	40	60	80	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram																																																																																																																																																
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							0.30	End of Borehole at 0.30 m																																																																																																																																																		
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General Remarks: Borehole terminated at 0.3m bgl upon encountering concrete. Hole was backfilled and made safe.						Water Strikes		Chiselling			Borehole and Casing Details																																																																																																																																															
											Borehole		Casing																																																																																																																																													
						Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)																																																																																																																																												
RSK GROUP PLC. Green Farm Business Park, Latteridge Green. Folly Road, Bristol. BS37 9TS.						No Groundwater Encountered																																																																																																																																																				
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Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD

Project No: 310413



Boring Method: WS

Date: 29/01/2007 - 29/01/2007

Driller: Ardabus

Logged By: AF

Ground Level (mASD):

-

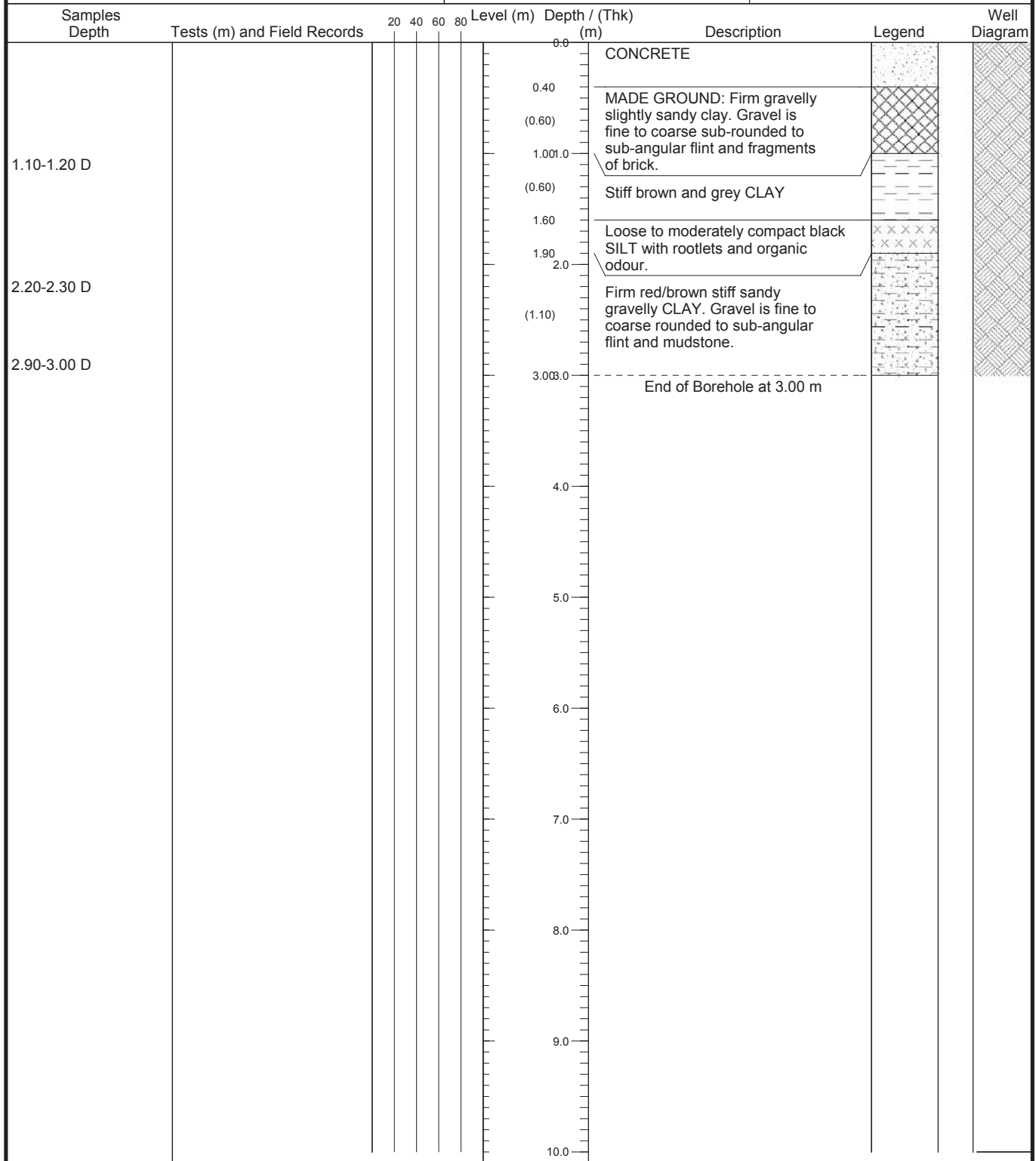
Top of Casing Elevation (mASD):

NOT DETERMINED

Record of : BH5B

1 of 1

Scale, 1:50

**General Remarks:**

Borehole terminated at 3.0m bgl, hand dug and backfilled with clean arisings.

Water Strikes**Chiselling****Borehole and Casing Details****Borehole****Casing**Strike
▽Level
▼From:
(m)To:
(m)Time:
(hr's)Depth
(m)Diam.
(mm)Depth
(m)Diam.
(mm)

Client: SHELL (UK) OIL PRODUCTS LIMITED										RSK GROUP PLC										
Site: FAIRFIELD																				
Project No: 310413																				
Boring Method: WS					Ground Level (mASD):					Record of : BH6										
Date: 29/01/2007 - 29/01/2007					50.000m															
Driller: Ardabus					Top of Casing Elevation (mASD):															
Logged By: AF					NOT DETERMINED															
Samples Depth		Tests (m) and Field Records		20 40 60 80		Level (m) Depth / (Thk) (m)		Description		Legend		Well Diagram								
0.40-0.50 D						0.0		TARMACADAM												
						49.70 0.30		MADE GROUND: Soft grey and black slightly sandy clay.												
						49.20 0.80		MADE GROUND: Firm grey and black clay with strong hydrocarbon odour.												
1.40-1.50 D						1.0														
						48.70 1.30		MADE GROUND: Firm black stained sandy clay.												
						(0.60)														
						48.10 1.90		Stiff red/brown sandy gravelly CLAY. Gravel is fine to coarse rounded to sub-angular flint and mudstone.												
						(1.10)														
2.90-3.00 D						2.0														
						47.00 3.00		End of Borehole at 3.00 m												
						3.0														
						4.0														
						5.0														
						6.0														
						7.0														
						8.0														
						9.0														
						10.0														
General Remarks: Borehole was terminated at 3.0m bgl, hand dug and backfilled with clean arisings. Black staining and a strong hydrocarbon odour were noted between 0.8 and 1.9m bgl.										Water Strikes		Chiselling			Borehole and Casing Details					
															Borehole		Casing			
										Strike	Level	From:	To:	Time:	Depth	Diam.	Depth	Diam.		
										▽	▼	(m)	(m)	(hr's)	(m)	(mm)	(m)	(mm)		
No Groundwater Encountered																				
RSK GROUP PLC. Green Farm Business Park, Latteridge Green. Folly Road, Bristol. BS37 9TS.										12:24:22 - 12/06/2007										

Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD

Project No: 310413



Boring Method: WS

Date: 29/01/2007 - 29/01/2007

Driller: Ardabus

Logged By: AF

Ground Level (mASD):

-

Top of Casing Elevation (mASD):

NOT DETERMINED

Record of : BH7

1 of 1

Scale, 1:50

Samples Depth	Tests (m) and Field Records	20	40	60	80	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
							0.0	TARMACADAM		
							0.30	MADE GROUND: Soft grey and brown sandy clay.		
							0.80	MADE GROUND: Firm brown gravelly sandy clay. Gravel is medium and coarse sub-angular brick.		
1.40-1.50 D							1.0			
							1.30	Stiff red/brown sandy gravelly CLAY. Gravel is fine to coarse rounded to sub-angular flint and mudstone.		
							2.0			
							(1.70)			
2.90-3.00 D							3.00	End of Borehole at 3.00 m		
							4.0			
							5.0			
							6.0			
							7.0			
							8.0			
							9.0			
							10.0			

General Remarks:

Borehole terminated at 3.0m bgl, hand dug and backfilled with clean arisings.

Water Strikes**Chiselling****Borehole and Casing Details****Borehole****Casing**Strike
▽Level
▼From:
(m)To:
(m)Time:
(hr's)Depth
(m)Diam.
(mm)Depth
(m)Diam.
(mm)RSK GROUP PLC.
Green Farm Business Park, Latteridge Green.
Folly Road, Bristol. BS37 9TS.

09:03:14 - 13/06/2007

Client: SHELL (UK) OIL PRODUCTS LIMITED										RSK GROUP PLC			
Site: FAIRFIELD													
Project No: 310413													
Boring Method: WS					Ground Level (mASD):					Record of : BH8			
Date: 29/01/2007 - 29/01/2007					50.000m								
Driller: Ardabus					Top of Casing Elevation (mASD):								
Logged By: AF					NOT DETERMINED								
Samples Depth		Tests (m) and Field Records		20 40 60 80		Level (m) Depth / (Thk) (m)		Description		Legend		Well Diagram	
1.10-1.20 D						0.0		CONCRETE					
						49.70 0.30		MADE GROUND: Firm dark brown gravelly sandy clay. Gravel is sub-angular to sub-rounded fine to coarse flint and brick.					
						(0.90)							
						1.0							
						48.80 1.20							
						48.50 1.50		Loose to moderately compact black SILT with rootlets and organic odour.					
						2.0		Stiff grey and brown CLAY with occasional yellow and red pockets of coarse sand.					
						3.0							
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Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD

Project No: 310413



Boring Method: WS

Date: 29/01/2007 - 29/01/2007

Driller: Ardabus

Logged By: AF

Ground Level (mASD):

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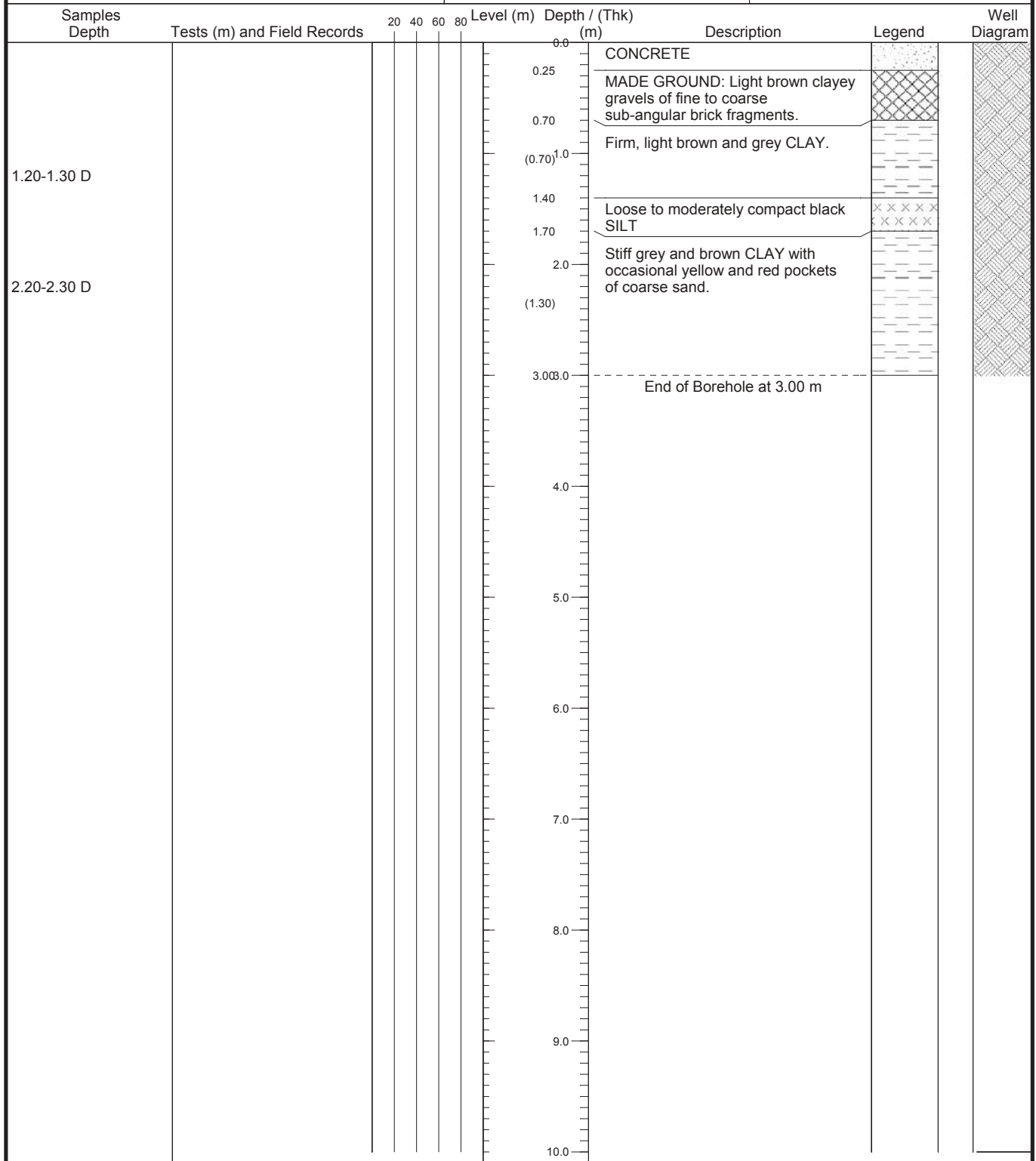
Top of Casing Elevation (mASD):

NOT DETERMINED

Record of : BH9

1 of 1

Scale, 1:50

**General Remarks:**

Borehole terminated at 3.0m bgl, hand dug and backfilled with clean arisings.

Water Strikes**Chiselling****Borehole and Casing Details****Borehole****Casing**Strike
▽Level
▼From:
(m)To:
(m)Time:
(hr's)Depth
(m)Diam.
(mm)Depth
(m)Diam.
(mm)RSK GROUP PLC.
Green Farm Business Park, Latteridge Green.
Folly Road, Bristol. BS37 9TS.

09:03:44 - 13/06/2007

Client: SHELL (UK) OIL PRODUCTS LIMITED										RSK GROUP PLC				
Site: FAIRFIELD														
Project No: 310413														
Boring Method: WS					Ground Level (mASD):					Record of : BH10				
Date: 29/01/2007 - 29/01/2007					-									
Driller: Ardabus					Top of Casing Elevation (mASD):									
Logged By: AF					NOT DETERMINED					Scale, 1:50				
Samples Depth	Tests (m) and Field Records	20	40	60	80	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram				
1.00-1.10 D						0.0		CONCRETE						
						0.25		MADE GROUND: Light brown fine to coarse gravels of sub-angular brick and occasional pockets of firm brown clay.						
						0.70		Firm, light brown and grey CLAY.						
2.00-2.10 D						(0.70)1.0								
						1.40		Loose to moderately compact black SILT.						
						1.70		Stiff grey and brown CLAY with occasional pockets of yellow and red coarse sand.						
2.90-3.00 D						2.0								
						(1.30)								
						3.00		End of Borehole at 3.00 m						
						3.00								
						4.0								
						5.0								
						6.0								
						7.0								
						8.0								
						9.0								
						10.0								
General Remarks: Borehole terminated at 3.0m bgl, hand dug and backfilled with clean arisings.						Water Strikes		Chiselling			Borehole and Casing Details			
											Borehole		Casing	
						Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
RSK GROUP PLC. Green Farm Business Park, Latteridge Green. Folly Road, Bristol. BS37 9TS.						No Groundwater Encountered								
12:25:11 - 12/06/2007														

Client: SHELL (UK) OIL PRODUCTS LIMITED

Site: FAIRFIELD

Project No: 310413



Boring Method: WS

Date: 29/01/2007 - 29/01/2007

Driller: Ardabus

Logged By: AF

Ground Level (mASD):

-

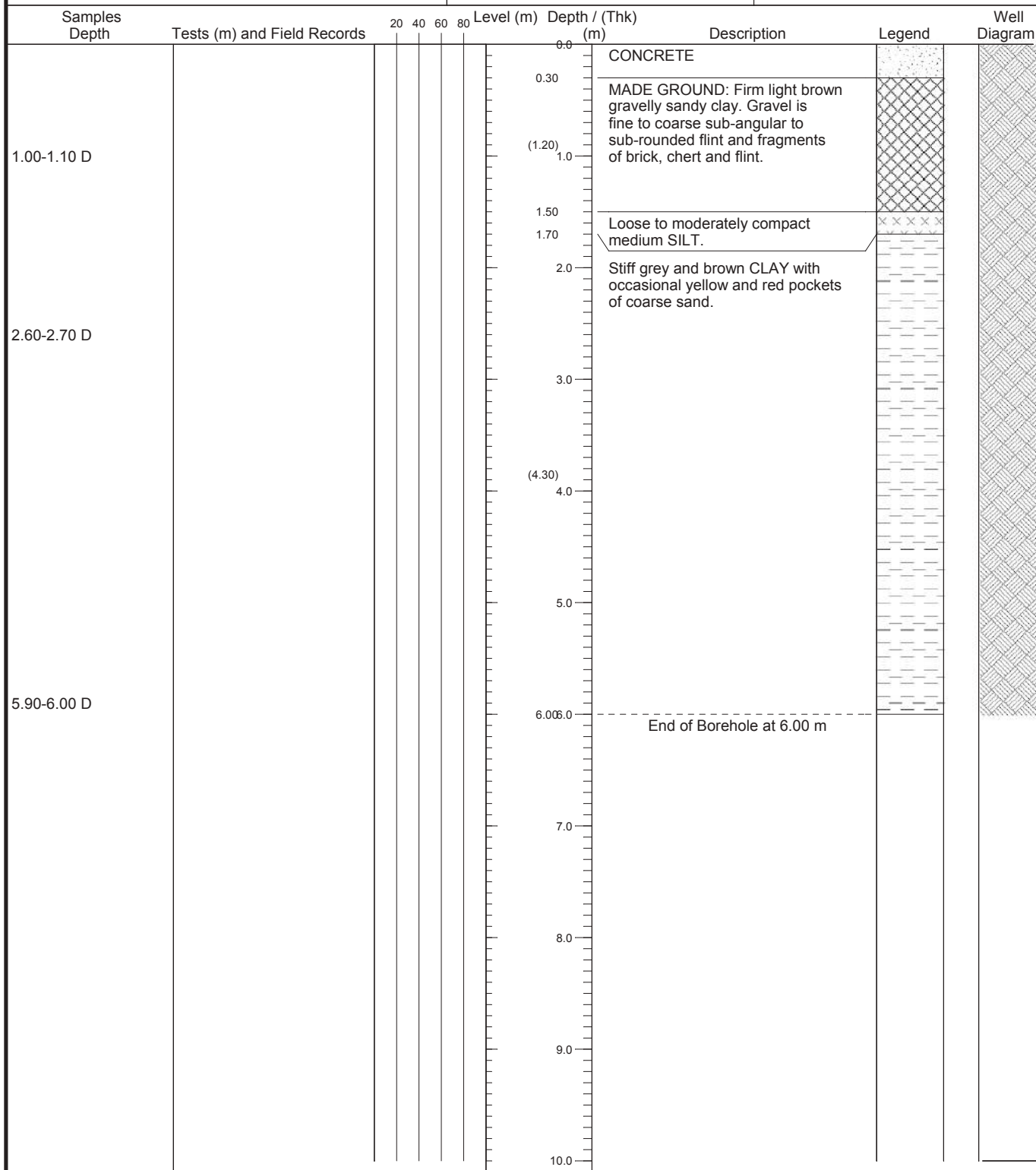
Top of Casing Elevation (mASD):

NOT DETERMINED

Record of : BH11

1 of 1

Scale, 1:50

**General Remarks:**

Borehole terminated at 6.0m bgl, hand dug and backfilled with clean arisings.

Water Strikes**Chiselling****Borehole and Casing Details****Borehole****Casing**Strike
▽Level
▼From:
(m)To:
(m)Time:
(hr's)Depth
(m)Diam.
(mm)Depth
(m)Diam.
(mm)

EXPLORATORY HOLE LOG

Project Name and Site Location Shell Fairfield, 585 Basingstoke Road, Reading, RG2 0TA			Client Shell Oil Products UK		BOREHOLE No BH101
Job No 46370032	Date Start Date 26-09-11 End Date 27-09-11	Ground Level (m)	Co-Ordinates ()		
Contractor ADP Group Ltd.		Method / Plant Used Vac-ex/Hollow Stem Auger		Sheet 1 of 1	

Depth	Sample / Test Details	PID (ppm)	Water	STRATA			COMMENTS	Installation / Backfill
				Legend	Depth (Thickness)	DESCRIPTION		
					(0.30) 0.30	CONCRETE.		
0.5	BH101_0.6	0.4			0.45	MADEGROUND: Orange/brown gravelly sand with occasional cobbles of concrete. Sands are coarse, gravels are fine to coarse and angular to rounded (fill material).	Dry, NVO Slight black staining, moist.	
1.0		1.8			(0.45) 0.90	MADEGROUND: Soft, dark grey clay with frequent gravels and red brick fragments. Gravels are fine to medium and angular to rounded.	Dry, NVO	
1.5	BH101_1.5-1.8 BH101_1.5-2.5 N7/240mm	2.3			(0.30) 1.20	Firm, dark brown CLAY with rare fine, angular gravels.	Moist, NVO	
2.0		0.8				Soft, dark brown CLAY with frequent grey/blue mottles. Clay is highly plastic and not friable (LONDON CLAY).		
2.5	BH101_2.5	1.6			(2.80)	Grey sandy gravel lens present at 2.0m bgl. Sands are coarse, gravels are fine to medium and angular.		
3.0	BH101_3.0-3.3 N7/240mm					Grey sandy gravel lens present at 2.0m bgl. Sands are coarse, gravels are fine to medium and angular.		
3.5	BH101_3.3	1.3						
4.0		0.2			4.00	Borehole terminated at 4.0m bgl: target depth reached.		

WELL INSTALLATION DETAILS ☒ Cement seal ☐ Backfilled with on-site soils.		LEGEND Concrete Made Ground Clay Groundwater Table Water Strike bgl = Below Ground Level		GENERAL REMARKS NVO = No visual or olfactory evidence of contamination Borehole backfilled with bentonite and arisings.	
SAMPLE TYPE DETAILS ☒ Environmental Sample ☒ Standard Penetration Test ☒ Bulk disturbed sample ☒ Small Disturbed Sample					
Logged By		HH		Approved By	JL

EXPLORATORY HOLE LOG

Project Name and Site Location Shell Fairfield, 585 Basingstoke Road, Reading, RG2 0TA			Client Shell Oil Products UK		BOREHOLE No BH102
Job No 46370032	Date Start Date 26-09-11 End Date 28-09-11	Ground Level (m)	Co-Ordinates ()		
Contractor ADP Group Ltd.		Method / Plant Used Vac-ex/Hollow Stem Auger			Sheet 1 of 1

Depth	Sample / Test Details	PID (ppm)	Water	STRATA			COMMENTS	Installation / Backfill
				Legend	Depth (Thickness)	DESCRIPTION		
0.5	BH102_0.65	0.4			0.20	TARMAC.	Moist, NVO	
1.0		0.1			(1.30)	MADEGROUND: Soft dark brown clay with frequent gravels of red brick and concrete. Gravels are fine to medium and angular to rounded. Occasional yellow/brown sand pockets present.		
1.5	BH102_1.5-1.8 N8/240mm	0.1			1.50	Gravels becoming coarse at 1.0m bgl.	Wet, NVO	
2.0	BH102_2.0	0.6			1.70	Soft dark grey SILT/CLAY with frequent fine, angular to rounded gravels.	Moist, NVO	
2.5	BH102_2.5	0.1			(1.60)	Soft, medium brown CLAY with occasional fine, angular gravels. Clay is highly plastic and not friable (LONDON CLAY).		
3.0		<0.1			3.30	Gravels absent from 2.0m bgl. Rare, blue/grey mottles present.	Dry, NVO	
3.5		<0.1			(1.00)	Pockets of coarse, orange/brown sand present from 3.0m bgl.		
4.0	BH102_3.8-4.3	<0.1			4.30	Stiff medium brown CLAY with frequent blue/grey mottles and occasional fine to coarse, round to sub-rounded gravels. Clay is highly plastic and not friable (LONDON CLAY).	Dry, NVO	
4.5	BH102_4.5-4.8 N17/240mm	<0.1			4.40		Dry, NVO	
5.0		<0.1			4.60		Dry, NVO	
5.5		<0.1			5.20		Dry, NVO	
6.0		<0.1				Gravels absent from 3.9m bgl.		
6.5		<0.1				Stiff, orange/grey CLAY with frequent fine to coarse, angular gravels of mudstone (LONDON CLAY).		
7.0		<0.1				Stiff grey/brown CLAY with rare grey/blue mottles. Clay is highly plastic and not friable (LONDON CLAY).		
7.5	BH102_7.5-7.8 N21/240mm	<0.1				Very stiff, medium brown CLAY with frequent orange/brown mottles. Clay is highly plastic and not friable (LONDON CLAY).		
8.0		<0.1				Very stiff, grey CLAY. Clay is highly plastic and not friable (LONDON CLAY).		
8.5		<0.1			(6.80)	Gravels of coarse, angular grey mudstone present at 6.0m - 6.1m bgl.		
9.0		<0.1						
9.5		<0.1						
10.0		<0.1						
10.5		<0.1				Grey sandy gravel present from 10.1m to 10.2m bgl. Gravels are fine to medium and angular to sub-rounded. Sands are coarse.		
11.0		<0.1						
11.5		<0.1						
12.0		<0.1			12.00	Borehole terminated at 12.0m bgl: maximum depth reached.		

WELL INSTALLATION DETAILS		LEGEND		GENERAL REMARKS	
 Tarmac Backfill  Bentonite Fill		 Tarmac  SILT/CLAY  Made Ground  Clay			
SAMPLE TYPE DETAILS		 Groundwater Table  Water Strike NVO - No Visual or Olfactory Evidence of Contamination bgl = Below Ground Level			
 Environmental Sample  Standard Penetration Test  Bulk disturbed sample					
		Logged By	HH	Approved By	JL

EXPLORATORY HOLE LOG

Project Name and Site Location Shell Fairfield, 585 Basingstoke Road, Reading, RG2 0TA			Client Shell Oil Products UK		BOREHOLE No BH103
Job No 46370032	Date Start Date 26-09-11 End Date 27-09-11	Ground Level (m)	Co-Ordinates ()		
Contractor ADP Group Ltd.		Method / Plant Used Vac-ex/Hollow Stem Auger			Sheet 1 of 1

Depth	Sample / Test Details	PID (ppm)	Water	STRATA			
				Legend	Depth (Thickness)	DESCRIPTION	COMMENTS
0.5	BH103_0.45	<0.1			0.10	Grass over TOPSOIL; dark brown silty sand. Sands are fine.	Dry, NVO
					(0.30)	MADEGROUND: Dark grey sandy gravel. Sands are coarse, gravels are fine and angular to rounded (fill material).	Dry, NVO
					0.40		
					(0.80)	MADEGROUND: Soft, medium brown clay with frequent fine to medium, angular to rounded gravels and red brick fragments.	Moist, NVO
1.0		<0.1			1.20	Red brick cobbles present at 1.1m bgl.	
1.5	BH103_1.5	<0.1				Firm, orange/brown CLAY with frequent grey/blue mottles and rare, coarse, sub-angular to rounded gravels. Clay is highly plastic and not friable (LONDON CLAY).	Moist, NVO
2.0					(1.80)		
2.5	BH103_2.5-2.8	<0.1					
3.0	BH103_3.0-3.5	<0.1			3.00	Soft, dark grey sandy gravelly CLAY. Sands are coarse, gravels are fine to medium and angular to rounded.	Moist, NVO
3.5					(0.30)	Stiff orange/brown CLAY with frequent grey/blue mottles. Clay is highly plastic and not friable (LONDON CLAY).	Dry, NVO
					3.30		
4.0	BH103_4.0 BH103_4.0-4.3	<0.1			(1.00)		
					4.30	Borehole terminated at 4.3m bgl: target depth reached.	

WELL INSTALLATION DETAILS Tarmac Backfill Backfilled with on-site soils.		LEGEND Topsoil Made Ground Clay Sandy gravelly CLAY		GENERAL REMARKS NVO = No visual or olfactory evidence of contamination Borehole backfilled with bentonite and arisings.	
SAMPLE TYPE DETAILS Environmental Sample Standard Penetration Test Bulk disturbed sample		NVO - No Visual or Olfactory Evidence of Contamination Groundwater Table Water Strike bgl = Below Ground Level			
		Logged By	HH	Approved By	JL

EXPLORATORY HOLE LOG

Project Name and Site Location Shell Fairfield, 585 Basingstoke Road, Reading, RG2 0TA		Client Shell Oil Products UK		BOREHOLE No BH104
Job No 46370032	Date Start Date 26-09-11 End Date 27-09-11	Ground Level (m)	Co-Ordinates ()	
Contractor ADP Group Ltd.		Method / Plant Used Vac-ex/Hollow Stem Auger		Sheet 1 of 1

Depth	Sample / Test Details	PID (ppm)	Water	STRATA			Installation / Backfill
				Legend	Depth (Thickness)	DESCRIPTION	
					0.15	TARMAC.	
					0.30	MADEGROUND: Orange/brown sand and gravel. Sands are coarse, gravels are angular to rounded and fine to coarse (fill material).	
0.5	BH105_0.5	0.1			(0.50)	MADEGROUND: Soft dark grey clay with occasional gravels and red brick fragments. Gravels are fine to coarse and angular to rounded.	
					0.80	Firm, dark brown CLAY with rare fine to medium, angular to rounded gravels.	
1.0		0.3			(0.40)	Firm dark brown CLAY with rare fine to medium, angular to rounded gravels. Clay is highly plastic and not friable (LONDON CLAY).	
1.5	BH105_1.5 BH105_1.5-1.8	0.2			(0.90)	Firm dark brown CLAY with rare fine to medium, angular to rounded gravels. Clay is highly plastic and not friable (LONDON CLAY). Gravels absent from 1.5m bgl.	
2.0	BH105_2.0-3.0	0.3			2.10	Soft, dark grey gravelly CLAY. Gravels are fine and angular to sub-rounded. Occasional pockets of fine, dark brown sand present.	
2.5					(0.30) 2.40	Stiff, orange/brown CLAY with frequent grey/blue mottles. Clay is highly plastic and not friable (LONDON CLAY).	
3.0	BH105_3.0-3.3	<0.1			(1.90)	Rare angular, coarse gravel present from 3.8m to 4.0m bgl.	
3.5	BH105_3.3						
4.0	BH105_4.1-4.4	<0.1			4.30	Borehole terminated at 4.3m bgl: target depth reached.	

WELL INSTALLATION DETAILS Tarmac Backfill Backfilled with on-site soils.		LEGEND Tarmac Made Ground Clay Gravelly Clay Groundwater Table Water Strike bgl = Below Ground Level		GENERAL REMARKS NVO = No visual or olfactory evidence of contamination Borehole backfilled with bentonite and arisings.
SAMPLE TYPE DETAILS Environmental Sample Standard Penetration Test Bulk disturbed sample				
Logged By		HH		Approved By
				JL

EXPLORATORY HOLE LOG

Project Name and Site Location Shell Fairfield, 585 Basingstoke Road, Reading, RG2 0TA			Client Shell Oil Products UK		BOREHOLE No BH105
Job No 46370032	Date Start Date 26-09-11 End Date 27-09-11	Ground Level (m)	Co-Ordinates ()		
Contractor ADP Group Ltd.		Method / Plant Used Vac-ex/Hollow Stem Auger		Sheet 1 of 1	

Depth	Sample / Test Details	PID (ppm)	Water	STRATA			
				Legend	Depth (Thickness)	DESCRIPTION	COMMENTS
0.5	BH105_0.5	0.4			0.25	CONCRETE.	
					0.40	MADEGROUND: Red brick cobbles.	
					(0.40)	MADEGROUND: Soft dark grey clay with frequent medium to coarse and angular to sub-angular gravels and red brick fragments.	Moist, NVO
					0.80	Dark brown SILT.	Moist, NVO
1.0		0.7			(0.40)		
1.5	BH105_1.5 BH105_1.5-1.8 N7/240mm	1.9				Soft medium brown CLAY with occasional grey mottles. Clay is highly plastic and not friable (LONDON CLAY).	Dry, NVO
2.0	BH105_2.0-3.0	0.6			(1.80)	Occasional fine to medium, angular to rounded gravels present from 1.7m bgl. Becoming stiff from 1.8m bgl. Band of coarse, grey sand present from 2.0m - 2.1m bgl.	
2.5		0.4					
3.0	BH105_3.0-3.3 N18/240mm				3.00		
3.5	BH105_3.3	0.3			(1.40)	Stiff grey CLAY with frequent grey/blue mottles and occasional pockets of coarse yellow/brown sand. Clay is highly friable and not plastic (LONDON CLAY).	Dry, NVO
4.0	BH105_4.1-4.4 N18/240mm	0.3			4.40		
						Borehole terminated at 4.4m bgl: target depth reached.	

WELL INSTALLATION DETAILS ☒ Cement seal ☐ Backfilled with on-site soils.		LEGEND Concrete Made Ground Silt Clay Groundwater Table Water Strike bgl = Below Ground Level		GENERAL REMARKS NVO = No visual or olfactory evidence of contamination Borehole backfilled with bentonite and arisings.	
SAMPLE TYPE DETAILS ☒ Environmental Sample ☒ Standard Penetration Test ☒ Bulk disturbed sample					
Logged By		HH		Approved By	JL

RECORD OF WELL A		For Institute use only Licence No.
At <u>WORTON GRANGE</u> <u>BREWERY</u>		<u>SU76/77A</u>
Town or Village		<u>SU76NW/64</u>
County		
EXACT SITE OF WELL	Six-inch National Grid sheet and reference	<u>SU 7113 6899</u>
	For <u>COURAGE, READING</u>	
	State whether owner, tenant, builder, contractor, consultant, etc.:	
	Address (if different from above)	
*DELETE AS NECESSARY	Level of ground surface above sea level (O.D.)	ft (<u>40.38</u> m)
	If well top is not at ground level state how far above:*	ft (..... m)
	SHAFT.....ft (.....m); diameter.....ft (.....m);	
	HEADINGS (please attach details—dimensions and directions)	
TEST CONDITIONS	BORE.....ft (<u>150.5</u> m); diameter: at top.....in (<u>535</u> mm);	
	at bottom.....in (.....mm)	
	Full details of permanent lining tubes (position, length, inner and outer diameters, plain slotted etc.):	
	<u>44.75m x 535 mm of plain steel from surface</u>	
NORMAL CONDITIONS	Water struck at depths of	ft (.....m) below well top
	Rest level of water.....ft (<u>6.2</u> m) above* below well top. Suction at.....ft (.....m)	
	Yield on.....hours* test pumping at.....galls per (.....l/s) with	
	depression to.....ft (.....m) below well top. Recovery to rest level inmins*	
LOG OF STRATA OVERLEAF	Capacity of pump.....g.p.h. (.....l/s)	
	Date of measurements... <u>19.6.84</u>	
	DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:	
	Make and/or type	Motive power.....
LOG OF STRATA OVERLEAF	Capacity.....galls (.....m ³) per hour. Suction at	ft (.....m)
	below well top. Amount pumped.....galls (.....m ³) per day. Estimated	
	consumptiongalls (.....m ³) per week	
	Well made by <u>G. STOW & CO</u>	Date of sinking.....
ADDITIONAL NOTES ANALYSIS (please attach copy if available)		
AQUIFER : UPPER CHALK		
Received from <u>TWA</u>		
Date <u>16.1.85</u>		
Observation well.....		
Recorder.....		
ER log		
Site marked on		
1" map.....		
6" map—Grid Sheet.....		
(use symbol)		
Copy to.....		
Date.....		

INSTITUTE OF GEOLOGICAL SCIENCES
HYDROGEOLOGY UNIT
EXHIBITION ROAD
LONDON SW7 2DE

IGS 2494 10 000 7/79

GEORGE STOW CO. LTD.**Waterworks Engineers****READING ROAD – HENLEY-on-THAMES. OXON.****RECORD OF WELL (SHAFT OR BOREHOLE)**

DATE COMPLETED20.6.84.....

268/598
268/ SU76NW/64**All depths to be measured below Ground Level**

Work carried out for Courage Breweries Ltd. 7.11.3. - 1.8.98

Locality (Exact Site) The Berkshire Brewery (off M4, Nr. Reading)

Level of Ground Surface above Sea Level (O.D.) 40.38 m.

Depth of Shaft m. Diameter mm.

Depth of Bore 150.5 m. Diameter: At Top 675 mm. At Bottom 525 mm.

Details of Permanent Lining Tubes

Diameter		Length Inserted		Top At	above m below	Ground Level
		mm.	m.			
525	mm.	44.75	m.	Plain		
				Slotted		
"				"		"
"				"		"
"				"		"
"				"		"
"				"		"
"				"		"

Water Struck at depth of (in m.)

Rest Level of Water below Ground Level 6.2 m.

Yield on Test Hours test. Pumping 48.00 litres per sec. 53.7 Date 1.7.84

Pump Water level 62.8 m. below Ground Level.

Time of Recovery.....

Remarks

See back for Strata Record.

For Institute use only

GEOLOGICAL
CLASSIFICATION

NATURE OF STRATA

If measurements start below ground surface, state how far.

THICKNESS

DEPTH

Feet

Inches

Metres

Feet

Inches

Metres

MADE GROUND

0.8

0.8

LONDON CLAY

11.2

12.0

READING BEDS

26.2

38.2

UPPER CHALK

100.8

139.0

MIDDLE CHALK

11.0

150.0

CHALK ROCK VERY OBVIOUS

131 - 139 m

NB. READING BEDS MAY

START c. 15 - 16m

APPENDIX E PPG21 DRAINAGE DRAWING

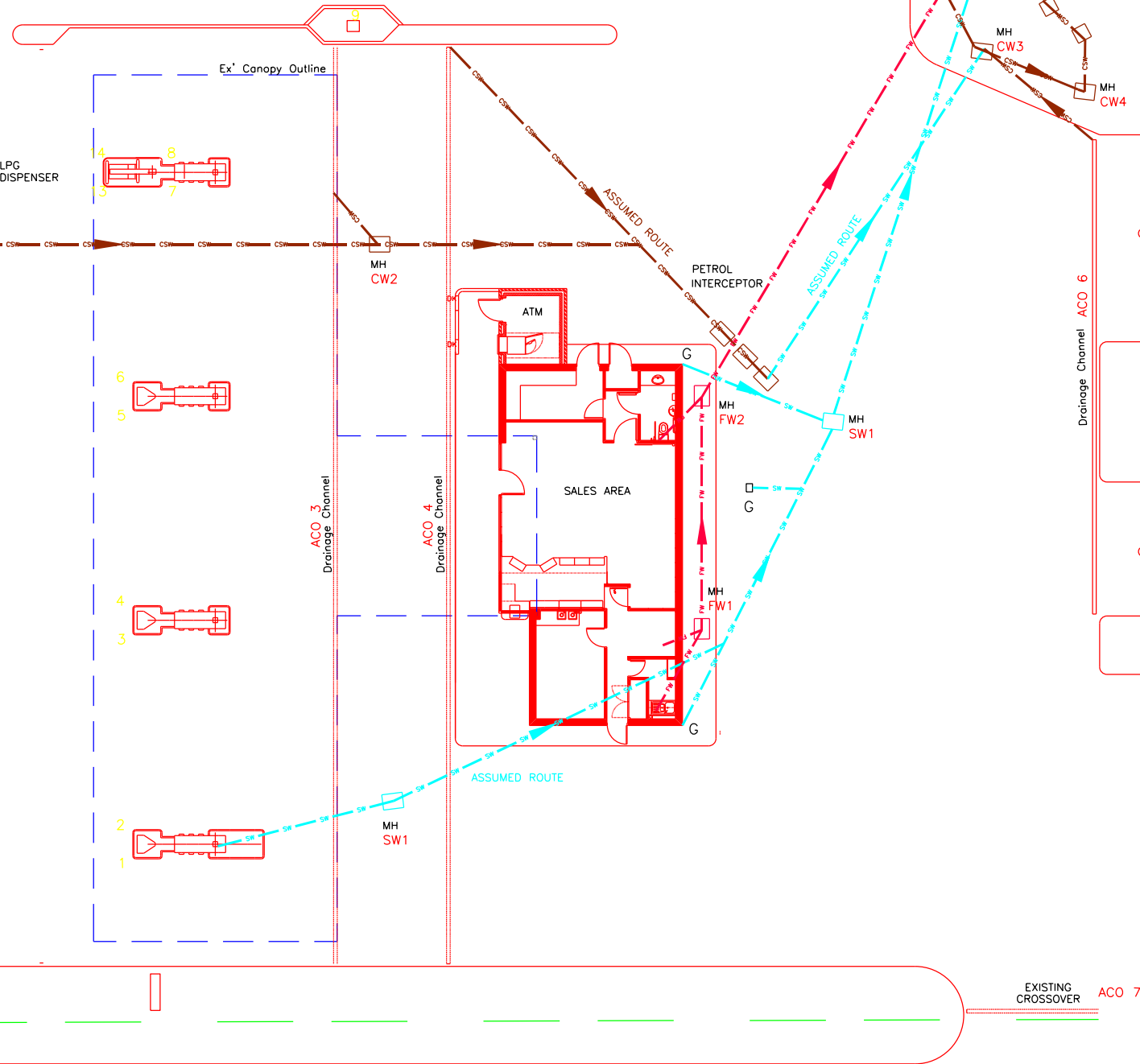
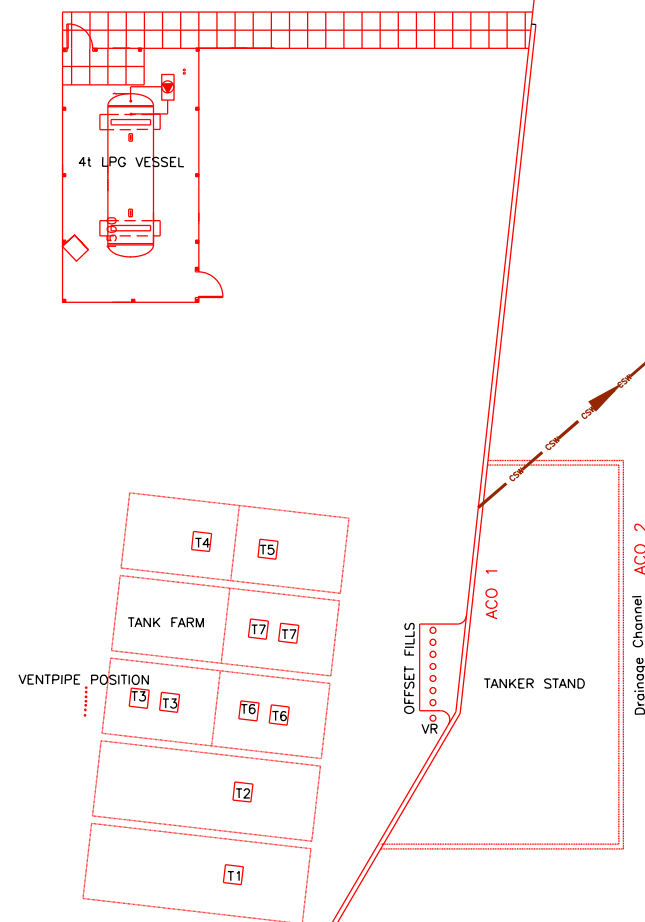
DRAINAGE DRAWING DETAILS SHOWN
TO COMPLY WITH PPG21 REGULATIONS

- MH Manhole
MW Monitoring Well
SU Drainage Channel Sump Unit
Gulley
Storm Water Sewer (Blue)
Storm Water Sewer(Brown)
Foul Water Sewer (Red))

BROWN SW DRAIN
SURFACE WATER DRAIN
FOUL WATER DRAIN
COMBINED WATER DRAIN

DRAINAGE DESCRIPTION

There are three separate drainage systems on this site.
1 x Foul, 2 x Surface water.
One surface system takes canopy and roof drainage and discharges into a combined sewer
The second surface system takes all forecourt drainage through 2 No three stage interceptors and discharges into same combined sewer
The foul system takes all toilet waste to a combined sewer



SCALE (METRES)
0 5 10 15 20 25 30

THIS DRAWING IS BASED
ON INFORMATION SUPPLIED

REV	DATE
PROJECT :	FAIRFIELD SERVICE STATION 585 BASINGSTOKE ROAD, BERKSHIRE. RG2 0HZ.
TITLE :	SITE DRAINAGE PLAN-S
 SHELL UK RETAIL PO BOX 430 STAINES TW18 3ZB UNITED KINGDOM	
DRAWN BY :	GKY-PREMIER-GROUP
DATE :	DEC2010
CAD FILE :	E:\ARCHIVE\FAIRFIELD\DRAWINGS\
DWG No :	10019023
SURVEY	001