

DRAFT

Phase 1 Desk Study

44-46 The Grove - Gravesend



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Non-Technical Summary

What is Proposed?

It is understood that proposed development plans involve the conversion and refurbishment of the large commercial office unit into a residential scheme offering approximately 37 small apartments. Site-wide hardstanding is anticipated with external areas comprising access and parking. The site has an existing undercroft level used for car parking which will be maintained as part of the redevelopment.

What is the Problem?

The following potential sources of contamination have been identified:

- ▶ Onsite – Historical residential and office use, including on-site car parking.
- ▶ Offsite – Many potential sources identified including historical landfills, active petrol filling station (PFS), dry cleaners, railway line, garage, depots, engineering works etc

What is the Result?

In summary, this Phase 1 Desk Study has determined that it is **unlikely** that contamination is present on site in a circumstance which could lead to unacceptable risks to identified receptors. All of the risks attributable to viable pollutant linkages were considered to be **low and very low**.

What are the Next Steps?

This report should be submitted to the local planning authority to support the planning application. A Non-Specialist Watching Brief is always recommended during any ground and construction works.

Report Record

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Client	The Substantia Group Ltd
Report Type	Phase 1 Desk Study
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Author	Maddie Edwards – BSc (Hons)
Reviewer	Claire Munns - BSc(Hons) CSci MEnvSc

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1.0 Introduction

- 1.1 This report presents the findings of a Phase 1 Desk Study - a land contamination assessment that has been prepared in line with best practice guidance and planning policy.

What is a Phase 1 Desk Study?

- 1.2 A Phase 1 Desk Study will determine if potential contamination is present at a site, and importantly, if that contamination poses a risk to future site users or the environment. If the Desk Study finds that the level of risk is unacceptable, you may need to further investigate with a Phase 2 Site Investigation and possibly undertake remediation.
- 1.3 The Phase 1 assessment will consider the historical and current uses of a site and understand it's environmental sensitivity, within a conceptual site model (CSM). The report will provide risk ratings assigned to different components of the CSM and give actionable recommendations. Recommendations may include further investigation of any issues or ways to reduce the risk. If no unacceptable risks are identified, then typically no further environmental assessment is required. Find out more about Phase 1 Desk Studies [here](#).
- 1.4 Understanding and reducing the risks ensures that you have a safe and compliant site. When dealing with planning, the National Planning Policy Framework (NPPF) and associated policies require an appropriate land contamination risk assessment at the initial planning stage, whilst the Land Contamination Risk Management guidance (LCRM) requires a phased, risk-based approach when dealing with land affected by contamination in the UK. A Phase 1 Desk Study is the first part of that iterative investigation process.

The Subject Site

Table 1 Site Details

Address	44-46 The Grove, in Gravesend, Kent, DA12 1DF
Eastings, Northings	564980, 174000
Area	0.13ha

- 1.5 The site currently comprises a large vacant office building with an undercroft car park. The site is located within a mixed residential and commercial area. The site area is shown in Figure 1.

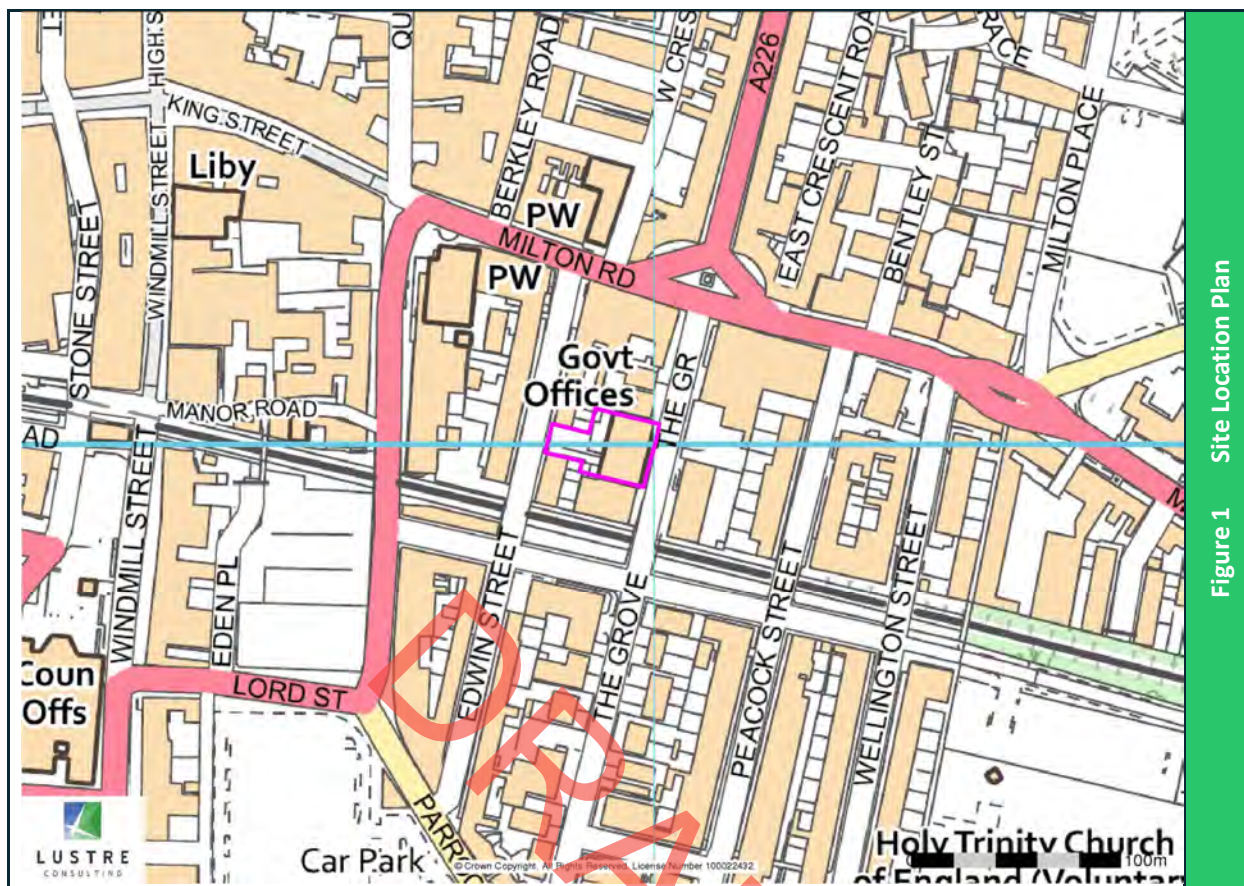


Figure 1 Site Location Plan

The Proposed Development

- 1.6 It is understood that the site is proposed to be redeveloped to provide a **residential scheme**, as illustrated in Figure 2.
- 1.7 Proposed development plans involve the conversion of the large commercial office unit into approximately 37 small residential apartments. The site has an existing undercroft level used as an **underground car park**, which is understood to be maintained and improved as part of the redevelopment. The smaller external car park (at ground level) to the rear entrance (west) of the site will also be maintained. Pedestrian access from The Grove on the eastern side of the site, and vehicular access from Edwin Street on the western side (rear) will be maintained too. **Site-wide hardstanding** is anticipated with no soft landscaped gardens or verges proposed. No additional underground structures are proposed with below ground features limited to foundations and buried services.
- 1.8 Enabling works to permit the development are understood to involve the refurbishment of the site with minor clearance required. It is understood that site levels will remain similar to that present.

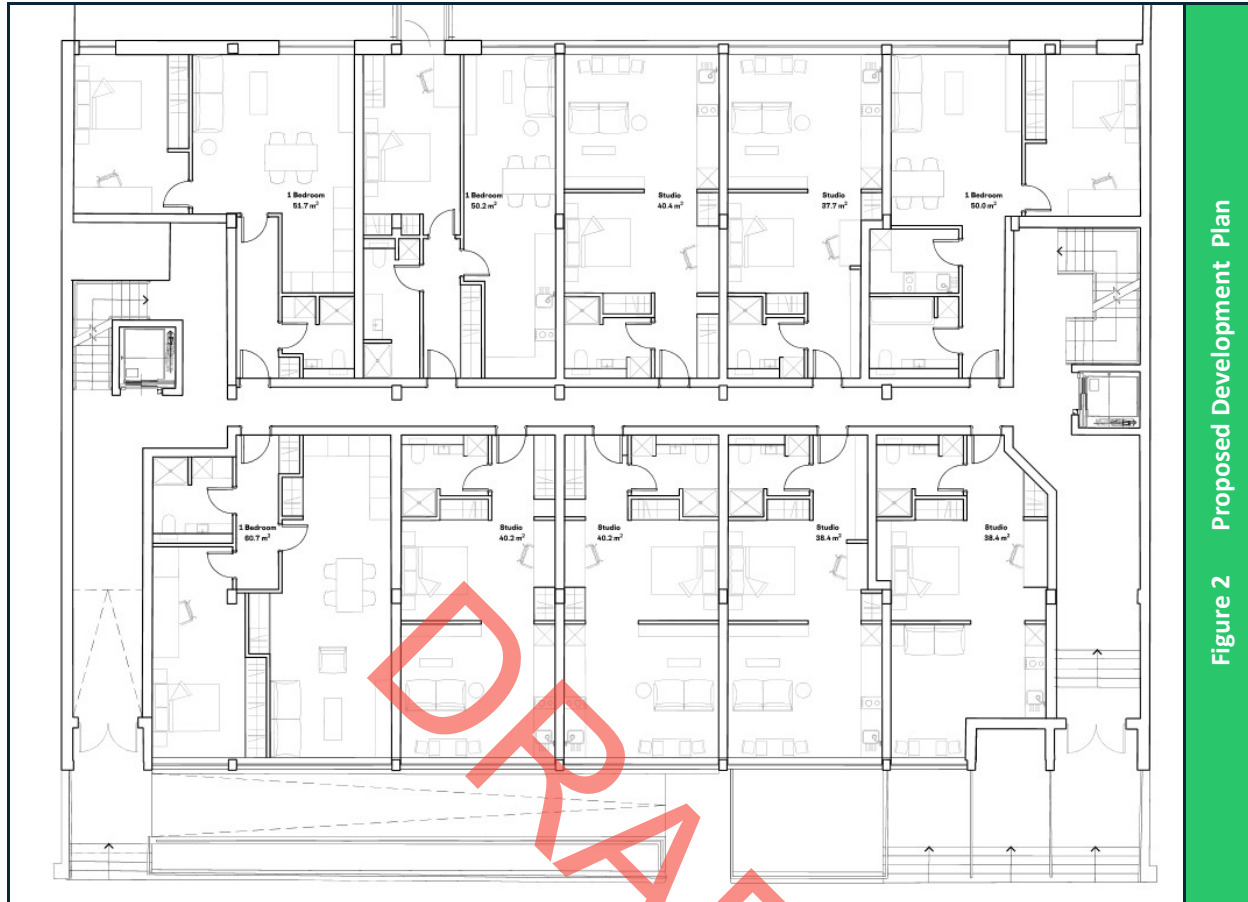


Figure 2 Proposed Development Plan

The Stakes & Objectives

1.9 The scope of works adopted in this Desk Study will address the following potential issues:

- ▶ Potential for contamination from historical site uses and nearby land uses through a review of available historical Ordnance Survey maps (dating back to the mid-1800s) and any existing information and reports relating to the site and surrounding area.
- ▶ Potential for contamination from the current or contemporary site uses by undertaking a site walkover.
- ▶ Sensitive receptors such as groundwater aquifers and geotechnical ground hazards through a review of published geological, hydrogeological and hydrological records.



- ▶ Nearby environmentally sensitive areas such as protected groundwater bodies, surface water features etc through a review of available public information and up-to-date regulatory information from relevant authorities.

1.10 The objective of this report is therefore to determine the contaminative status of the site and to provide a general indication of the likely geoenvironmental issues which may be present. Information on likely geotechnical conditions and hazards is also included.

Report Structure, Limitations & Changes

- 1.11 The report structure generally follows the pollution linkage approach described above. Chapter 2 of the report provides information relating to the "sources" of potential contamination through a study of current and historical land uses, whilst the sensitivity and anthropology information in Chapter 3 relates to the "receptors" and "pathways" components. Report conclusions and recommendations, including a summary of the conceptual site model and risk assessment Appendix, are set out in Chapter 4.
- 1.12 This Phase 1 Desk Study has been undertaken in accordance with our Terms & Conditions. Full details on limitations and reliance are provided in those Terms. Third party information which has been reviewed and used to inform the assessments presented herein, including public records held by various regulatory authorities and environmental database data has been assumed to be true and accurate.
- 1.13 This assessment has been carried out to determine the potential risks posed to future end users, along with other key receptors, based on the current development. Should revisions in the development proposals result in a change any assessment parameters detailed in this report, a re-assessment of the risk should be carried out.

2.0 Land Use

- 2.1 This chapter identifies and provides information on any potential on-site and off-site "sources" of contamination within the source-pathway-receptor model. The chapter includes a review of information obtained from photographic records, publicly recorded information on environmental issues and controls within relevant distances of the site (which may indicate the presence of potential source(s) of contamination, such as licensed landfills), available planning records obtained from regulatory websites and OS historical mapping. A summary of the identified sources and potential contaminants are given at the end of the chapter.

Site Description

- 2.2 A site walkover was undertaken by a qualified consultant from Lustre on 23/09/2024. The property manager was present throughout the site walkover and access was granted to the entirety of the building footprint and all external areas.





Rear façade of building



Open-sided undercroft car park and rear extension

- 2.3 At the time of the walkover, the site comprised a four-storey vacant office block with an undercroft car park. The building occupied approximately 65% of the site footprint with external areas comprising access routes and car parking areas.
- 2.4 The site was accessed via a metal gate on Edwin Street to the west of the building. The gate enclosed a small external car park and a pedestrian entrance through the rear façade of the building. Whilst this small car park matched the elevation of the surrounding ground, a ramp was present to the south-west that sloped down to the larger undercroft parking area. The rear building entrance comprised a small bridge across this underground level with stairs leading up to the first floor.
- 2.5 The building comprised a brick and concrete structure with rows of windows on every floor. There were four floors of **vacant office space** with associated facilities such as toilets, utility cupboards and plant rooms. The first floor had a larger footprint than the other floors due to the presence of a single storey extension to the rear (west) of the building. The building provided one elevator and stairway to the north and another set to the south. Access was granted to a plant room on the roof, which was noted to contain a large water tank and other plant associated with air conditioning, heating systems and elevator mechanisms.
- 2.6 The external small car park on the west side of the site matched the elevation of the surrounding area, however the first floor of the building was slightly elevated above this ground level to accommodate the undercroft parking area present beneath the building. The **undercroft car park** extended around 1.5m below ground level and was enclosed with a brick retaining wall. The undercroft car park was open sided to the east and west. In the north-west corner of the retaining wall, a storage area was observed to contain some wooden pallets. Along the centre of the southern boundary of the site was a small



outbuilding that was also empty. A stack of wooden pallets was observed adjacent to this outbuilding. Concrete posts were present across the undercroft car park, supporting the overhead building.

- 2.7 Hardstanding comprised 100% of the site footprint and constituted bituminous macadam, concrete and small areas of paving. The hardstanding was observed to be in fairly good condition with no widespread damage noted, however overgrown vegetation was observed to be growing around the edges of the hardstanding. This vegetation mainly consisted of urban weeds, including ivy, moss and Buddleia. No invasive species were observed during the site visit; however this does not constitute a specialist invasive species survey. Domestic litter was noted to be scattered around the vegetation near the rear site entrance. No hydrocarbon staining was noted on the bituminous macadam underlying the car park areas.



Typical vacant office space



Plant room on roof



Outbuilding in car park



Underground car park



Observations on Ground Stability & Structural Damage

- 2.8 No evidence of ground stability hazards or structural damage was observed during the site walkover. All of the structures appeared to be in good condition with no significant cracking or damage noted. However, this report does not constitute a structural survey or similar survey.

Bulk Storage of Fuels & Hazardous Material

- 2.9 Lustre has not been made aware of, or observed, any current or former bulk above ground fuel storage areas/ hazardous material storage on site. No evidence of any current underground fuel tanks (e.g. unexplained manhole covers, vents, fill points etc) was noted during the site walkover. The only tank was located in the plant room on the roof and contained water.
- 2.10 Small-scale hazardous material storage was not observed during the walkover.

Asbestos Containing Soils (ACS)

- 2.11 ACM was commonly used in construction and refurbishment projects until their use was prohibited in 1999. Given the age of the buildings present on site (including any refurbishment works), the potential for ACM to be present within the building fabric and curtilage is possible. The only suspected ACM observed during the site visit was the cement board in the ceiling of the basement car park, which was noted to be in good condition.
- 2.12 Soil contamination from asbestos can be caused through inappropriate use and poor care of ACM in the building fabric and curtilage causing cross contamination during historical demolition or renovation works. ACS can also be encountered within infilled land and/or imported sub-base / fill materials associated with previous construction or renovation works (such as the construction of a new hardstanding). The potential for ACS to be present underlying the hardstanding should be considered.

Waste

- 2.13 Given that the site is currently vacant potentially contaminative waste streams are not considered likely. The only waste materials observed onsite were pieces of domestic litter amongst the overgrown weeds and wooden pallets in the external areas.

Drainage

- 2.14 Only sanitary wastewater and surface water run-off (from roof areas and hardstanding) is generated on site. A formal drainage network was observed on site within hardstanding areas as evidenced by



drainage covers and drains. Anecdotal evidence suggests that drainage runs from the building to a main line on The Grove. Lustre has not been made aware of any interceptors within the drainage system. Existing drainage plans were not made available for viewing.

Potential Off-site Sources / Points of Interest

- 2.15 The site was surrounded on all sides by residential dwellings and associated private gardens.
- 2.16 The railway line was observed within close proximity to the site and was noted to be at a significantly lower elevation than the surrounding ground. The railway line was present within a cutting into the land that extended to around 5m in depth.

Further Surveys

- 2.17 Whilst the site walkover discussion may reference observations regarding the presence of features/issues such as invasive species, ACM, site drainage and evidence of structural abnormalities, this report does not constitute specialist surveys on these matters. Should further specialist surveys be carried out in this regard, the findings of these should be reported to Lustre so that we may determine if this has any discernible impact on the findings of this report.

Public Record Information

- 2.18 Information on potentially significant environmental issues and controls at the site and surrounding area may be held on public records by various regulatory authorities. Information referenced in this Chapter has been sourced directly from the regulatory authorities and from the Landmark database (data summarised within relevant distances of the site centre). A copy of the Envirocheck report is attached at Appendix A. A summary of the significant environmental issues and controls in the Envirocheck report is summarised in the following table.

Table 2 Regulatory Information	
Public Record	Features
Environmental Permits and Controls	Three Local Authority Pollution Prevention and Controls have been identified within 250m from the subject site: ▶ 106m E for Clocktower Service Station - Permit is dated 11th January 1998 and relates to PG1/14 Petrol filling station under permit reference: PP1/98/033. ▶ 125m SW for Dappers Dry Cleaners - Permit is dated 12th September 2006 and relates to PG6/46 Dry cleaning under permit reference: PP6/06/55. ▶ 218m W for Railway Dry Cleaners - Permit is dated 20th September 2006 and relates to PG6/46 Dry cleaning under permit reference: PP6/06/57.



Table 2 Regulatory Information

Public Record	Features
	No Integrated Pollution Prevention and Controls have been identified within 250m of the subject site.
Pollution Incidents to Controlled Waters	No pollution incidents to controlled waters have been identified within 250m of the subject site.
Hazardous Substances	There are no hazardous substances (e.g. Control of Major Accident Hazards (COMAH), Notification of Installations Handling Hazardous Substances (NIHHS) or Planning Hazardous Substance Consents) recorded within 250m.
Landfill Sites	Four historical landfill sites have been identified within 1km from the subject site: ▶ 480m SW under licence reference EAHLD19308. The record states that deposited waste included inert waste. ▶ 673m W under licence reference EAHLD19291. The record states that deposited waste included inert waste. ▶ 800m E under licence reference EAHLD19292. The record states that deposited waste included inert and commercial waste. ▶ 927m S under licence reference EAHLD19319. The record states that deposited waste included inert waste. No Local Authority Recorded Landfill Sites, BGS Recorded landfill sites or registered landfill sites have been identified within 1km of the subject site.
Waste Management Facilities	No Licensed or Registered Waste Management / Transfer / Treatment / Disposal Facilities have been identified within 250m of the subject site.
Contemporary Trade Directory Entries	No on-site trade directory entries have been identified from environmental database records. 80 contemporary trade directory entries have been listed within 250m from the subject site. The closest entry is located 22m N for an electrolysis clinic (Electrolysis & Beauty Clinic), which is listed as inactive. Of the 80 entries only 15 are listed as active and pertain to the following trade classifications: garage services, printers, commercial cleaning services, petrol filling station, tyre dealers, gearboxes, domestic cleaning services, pest & vermin control, nuts, bolts and fixings, dry cleaners, car engine turning & diagnostic services, road haulage services, engineers- general and carpet, curtain & upholstery cleaners. The following trade classifications are recorded within 250m but are currently listed as inactive: mot testing centres, laundries & launderettes, recycling centres, boxes & cartons, printers, car dealers, car dealers - used, jewellery manufacturers & repairers, garage services, photographic equipment repairs, cargo handling services, x-ray services, commercial cleaning services, clothing & fabrics - manufacturers, petrol filling stations, carpet, curtain & upholstery cleaners, dry cleaners, gearboxes, engineers - general, tyre dealers, vacuum cleaners - sales & service, medical & dental laboratories, electrical goods sales, manufacturers & wholesalers, damp & dry rot control, pest & vermin control, cleaning services - domestic, medical equipment maintenance & repairs, t-shirts, cycle accessories, manufacturers & wholesalers, car body repairs, pet foods & animal feeds, hardware, vehicle inspection services, builders' tools & equipment manufacturers, road haulage services, office furniture & equipment, tool

**Table 2 Regulatory Information**

Public Record	Features
	design, manufacturers & makers, furniture - repairing & restoring, freight forwarders, engineering services, car breakers & dismantlers.
Petrol Filling Stations (PFS)	A single fuel station entry is listed within 250m from the subject site: ▶ 106m E - Operated by Mfg Clocktower and is listed as open.

Review of Regulatory Information

2.19 A search for 'DA12 1DF' in the online planning records held by Gravesham has revealed multiple previous planning applications for the site. Several pertain to minor works such as installation of an air conditioning unit, installation of antennae and display of a new sign. Applications for more major changes are summarised below:

- ▶ 20210256 (2021) – Application to determine whether Prior Approval is required in respect to proposed change of use of the first floor from Class E (financial and professional services) to 2 residential units (Class C3).
- ▶ 20210291 (2021) - Application to determine whether Prior Approval is required in respect of the proposed change of use of second and third floors from Class E (offices) to 12 residential units (Class C3).
- ▶ 19622494 (1966) – Application for construction of a petrol filling station with retail sales, parking facilities and multi-storey offices above.
- ▶ 19632393 (1963) – Application for construction of a garage forecourt with storage tanks

2.20 Despite applications from the 1960s proposing a petrol filling station or garage on site, there is no evidence that this part of the development went ahead. As such, the site is believed to have only been used for commercial offices since it was built.

2.21 No environmentally pertinent information was identified in the online planning records pertaining to the site, or the immediate surrounding area.

Site History

2.22 The site history has been assessed by reviewing historical Ordnance Survey maps provided by Landmark and aerial photographic imagery from Google Earth. Relevant maps are reproduced in Appendix B. The



historical development of the site and the surrounding area are summarised in the following section. Where features are identified as having a potential impact on the proposed development, an indication of potential contaminants has been provided at the end of the Chapter.

- 2.23 It is noted that the mapping process adopted in generating the historical Ordnance Survey records (mapping intervals/frequency, scale, inclusion/exclusion of features etc), may result in an incomplete account of a site's history. Changes in land use between mapping dates, or small yet potentially contaminative land uses, may not be identified from the records. The following account is therefore based solely on the information provided in the mapping records and the dates listed should be considered as approximate.

Onsite History

- 2.24 The earliest available mapping records of the site are from 1874 and display the site to comprise buildings in the south-east corner and along the western boundary. These buildings likely constitute **residential dwellings**. The rest of the site appears to comprise private gardens (associated with the dwellings) with a communal/public garden space to the north. In 1909 the communal gardens are replaced by a building (presumed residential) along the north-eastern boundary and a small building towards the centre of the site.
- 2.25 By 1972 maps the houses in the south-east corner are replaced by a larger square-shaped building, which remains on site currently. One of the houses along the western boundary of the site has also been removed to accommodate rear access to the new building and associated car park. By 1978 the other houses on the western boundary have also been removed and the site is noted to reflect the current layout. The only other information provided by the historical mapping records is within the 2024 map where the building onsite is labelled as **Government Offices**, reflecting the use of the building as a **job centre** until circa 2023.

Offsite History

- 2.26 The earliest available mapping records of the area from 1874 show the sites surroundings to comprise the well-developed town of Gravesend, with large residential areas extending out in all directions from the site. Environmentally pertinent historical information from the immediate surrounding area (within 250m) has been summarised in the table below.



Off Site Land Use	Distance from site	Date Features Present	Date Features Removed
Railway line	20m S	1874	Present
Electrical Substation	45m SE	1992	Present
Post Office / Sorting office (depot)	50m NE	1874	Present
Laundry	55m S	1936	1972
Assumed residential/commercial use		1972	Present
Stone yard	60m NE	1874	1897
Assumed residential/commercial use		1897	Present
Photographic works / Works	85m SE	1954	1999
Assumed commercial use		1999	Present
Printing works / Works	85m E	1954	1999
Assumed residential/commercial use		1999	Present
Garage / Petrol Filling Station	90m NE	1964	Present
Printing works / Works	125m W	1954	1999
Engineering works and Printing works	125m NE	1954	1999
Garage / MOT test centre		1999	Present
Bentley Street Industrial Estate	140m NE	1986	Present
Timber Yard	150m W	1874	1909
Builders yard		1954	Present
Garage	150m E	1955	1992
Forms part of The Jolly Drayman pub		1992	Present
Workshops / Store	175m E	1954	1984
Depot (including a tank)		1984	1999
Milton Road Business Park		2008	Present
Garage	180m SW	1954	1972
Car Park		1972	Present
Builders Yard	185m SE	1955	1993
Car Park		2024	Present
Builders Yard	190m NE	1954	1986
Private garden		1986	Present
St Georges Burial Ground	200m E	1874	1897
Gardens / Communal space		1897	Present
Workshop and store	200m NE	1954	Present as Works
Depot	200m NE	1993	2003
Car Park		2003	Present
Garage	210m S	1954	1999
Residential		2003	Present
Telephone Exchange	220m E	1964	Present

Summary of Identified Potential Sources of Contamination

- 2.27 This section has assessed both the current and historical uses of the site and surrounding areas, as well as publicly available regulatory information. In accordance with the LCRM guidance, this assessment has allowed potential sources of contamination to be identified.



Discounted Sources

- 2.28 Based on our understanding, it is considered that some potential sources can be discounted at this stage of the assessment. Potential sources of contamination have only been discounted where sufficient evidence has been gathered to indicate that the particular source, for reasons relating to the viability of its presence/significance, need not be considered further.
- 2.29 The following off-site sources of potential contamination have not been considered further in this assessment: stone yard, timber yard and burial ground. These off-site sources have been discounted due to the time elapsed since contaminative operations ceased.
- 2.30 BGS maps displaying records of artificial ground show a zone of 'worked ground' just south of the site where the railway line is located. Although this may indicate infilled ground, the railway line is actually present within a cutting into the land and so 'worked' likely refers to the excavation of this cutting. Infilled land has therefore been discounted as a viable off-site source.

Viable Sources – Onsite

- 2.31 Viable potential sources of contamination which have been carried forward into the conceptual model and risk assessment are set out below.
- 2.32 Historically the site comprised **residential dwellings**, with several houses shown along the western and eastern boundaries in historic maps. Domestic dwellings represent a minor contaminative land use with the potential introduction of contaminants into the subsurface typically through bonfires and spreading of ash in the garden. When these houses were demolished to accommodate the new office block, waste demolition materials may have been retained and spread on site. These waste materials, which may contain asbestos and other contaminants, may be present in the subsoil on site; a layer of **Made Ground** is therefore anticipated. Potential contaminants associated with Made Ground include asbestos, metals, inorganics, PAH and TPH.
- 2.33 The site is believed to only have been used as **commercial office space** since it was built circa 1960s / 1970s. Commercial sites are not often considered potentially significant sources of contamination as they don't typically store or use hazardous or contaminative substances. As such no bulk or small-scale storage of hazardous materials was observed during the site walkover. The site did comprise parking areas including the basement level car park. Minor sporadic leaks of fuels and oils from parked vehicles is expected. The underlying hardstanding, will likely afford some protection to the underlying ground from any such small-scale hydrocarbon releases from parked cars etc. Unless heating oil was used to



heat the building, no point sources of contamination are likely directly associated to the commercial site use.

- 2.34 **Suspected ACM** was observed during the site walkover in the form of cement boarding in the basement ceiling. The deterioration of ACM or the mixing with soils during the spreading of any waste ACM in demolition materials (include any such materials imported to site in the past), may have resulted in asbestos contamination of soils (ACS).

Viable Off-site Sources

- 2.35 The following off-site land uses (taken from mapping records) have been considered further in this assessment as viable potential off-site sources of contamination: **railway line, electrical substations, depots, laundry, engineering works, garages (vehicle servicing), builders yards, workshops and telephone exchange**. A wide range of potential contaminants have been considered including asbestos, metals, inorganics, PAH, TPH, VOCs, phenols, SVOCs, and PCBs.
- 2.36 Potential off-site sources of contamination have been identified within the regulatory database from two permitted operations: 125m SW and 218m W for **dry cleaners**. Sites which have permit controls may store or use potentially contaminative substances that may present a risk of contamination if these substances enter the subsurface and are able to migrate on to the subject site. Potential contaminants may include PAHs, SVOCs, VOCs and TPH.
- 2.37 An **active petrol filling station (PFS)** has been identified from the regulatory database 106m east of the site. The PFS is located within a distance to the site which means that any uncontrolled fuel releases from historical tank leaks etc, may be able to migrate on to the subject site. Potential contaminants include metals, TPH, VOCs and SVOCs.
- 2.38 Based on the data held within the Envirocheck database, **4 historical landfill sites** have been identified within 1km of the subject site, with the closest landfill located circa 480m. Records regarding input dates were not provided so it is unknown when landfilling ceased. Records state that deposited waste at all four sites included inert waste, with the addition of commercial waste at the landfill site 800m east. It is assumed that landfilling ceased less than 60 years ago due to the absence of information, therefore there is potential for ground gases or leachate to still be migrating from the infilled materials that may present a risk to the subject site. A review of mapping records indicate that the historic landfills were all relatively small in size and have mostly been redeveloped into residential or commercial sites. Given these factors, coupled with the landfill sites being approximately 500m to 1km away, the potential for ground gas migration is reduced.



3.0 Sensitivity & Anthropology

Introduction

- 3.1 This chapter provides information relating to on-site and off-site 'pathways' and 'receptors' and includes a review of the geology, hydrogeology, hydrology and ecological setting of the site. A general assessment and review of the site anthropology, such as identified human / built environment receptors, including current and future site occupiers, below ground structures, flora etc is also provided. A summary of identified receptors and site-specific pollutant linkages is given at the end of the chapter. Any pathways (contaminant migration, exposure pathways), which can be discounted in conceptual terms (i.e. considering the unviable nature of the pathway given the proposed development setting or local geology/hydrogeology etc), are discussed at the end of the chapter.

Geology

- 3.2 The 1:50,000 British Geological Survey (BGS) map (Sheet 271)¹ and the BGS website (National Geoscience Information Service)² show the site to be directly underlain by bedrock geology of the **Lewes Nodular Chalk Formation** comprising interbedded soft to medium hard chalks (some grainy) and marls, some griotte chalks. No superficial deposits are displayed on site on BGS maps.
- 3.3 It is noted that ground conditions in the area are variable in terms of superficial deposits and bedrock geologies. Approximately 150m east of the site, a zone of **Head** deposits is present, which typically constitutes a mixture of gravel, clay and sand. Around 50m south of the site an area of the **Thanet Formation** appears to overlie the Lewes Nodular Chalk Formation. The Thanet Formation typically comprises silts and sands. There is the possibility that a relatively thin layer of Head deposits and/or the Thanet Formation may be present onsite overlying the Lewes Nodular Chalk Formation.
- 3.4 Historical mapping records show that the site has undergone periods of construction and subsequent demolition. Any waste demolition materials may have been retained and spread on site; a layer of **Made Ground** is therefore anticipated across the site.
- 3.5 Historical borehole records have been identified relating to boreholes drilled within the general vicinity of the site and surrounding area. The closest historical boreholes were recorded approximately 220m

¹ BGS Solid and Drift Map Sheet 271

² Information from BGS website: www.bgs.ac.uk consulted in month of report issue



east of the site (TQ67SE60). A summary of ground conditions encountered is provided below and a copy of the borehole log is included in Appendix C.

- ▶ Made Ground: Loose to dense brown clayey SILT with many fragments of flint, brick and chalk. Occasional roots and rootlets. Encountered from surface level to 5.30m bgl with chalk fragments observed from 4.40m bgl.
- ▶ Upper Chalk: White fine grained weak CHALK with flint fragments from 5.30m bgl to 7.50m bgl where borehole ended.
- ▶ Groundwater was not encountered during boring.
- ▶ It is possible that the deeper Made Ground actually comprises Head deposits as displayed on BGS maps, as no anthropogenic materials are noted within the stratum between 4.40m bgl and 5.30m bgl.

- 3.6 Another borehole was identified around 620m north-west of the site (TQ67SW15) and provides some information on the underlying aquifer. Made Ground was recorded from surface level to 3.35m bgl and was underlain by Chalk that extended to around 200m bgl. The Gault Formation was recorded between 200m bgl and the base of the borehole at 274m bgl. Groundwater was encountered between 51m bgl and 57m bgl, indicating an aquifer within the chalk.

Ground Hazards

- 3.7 BGS data has also been reviewed to determine potential ground stability hazards which may affect the site. The table below summarises the ground stability hazards anticipated on the subject site based upon the expected ground model.

Table 4 Ground Hazards On-Site	
Hazard Type	Hazard Potential
Coal Mining Affected Area	None
Non-Coal Mining Affected Area	Rare
Potential for Collapsible Ground Stability Hazards	Very Low
Potential for Compressible Ground Stability Hazards	No Hazard
Potential for Ground Dissolution Stability Hazards	Moderate
Potential for Landslide Ground Stability Hazards	No Hazard
Potential for Running Sand Ground Stability Hazards	No Hazard
Potential for Shrinking or Swelling Clay Ground Stability Hazards	No Hazard



- 3.8 The BGS also holds data on non-coal mining areas, natural cavities and radon, and the Coal Authority holds data on coal mining affected areas for the UK. Data collated by Landmark on these matters (sites/features within 1km of the subject site) are presented below.

Table 5 BGS Sites & Radon	
Category	Details
BGS Recorded Mineral Sites	Seven BGS Recorded Mineral Sites have been identified within 1km from the subject site, however all are listed as ceased: ▶ 627m NW at Clifton Road Chalk Mine. Mineral site operated as an underground site extracting soils from the White Chalk Subgroup. ▶ 691m W at Northfleet Chalk Pit. Mineral site operated as an opencast site extracting soils from the White Chalk Subgroup. ▶ 922m W at Northfleet Chalk Pit. Mineral site operated as an opencast site extracting soils from the White Chalk Subgroup. ▶ 944m S at Gravesend Denehole. Mineral site operated as an underground site extracting soils from the White Chalk Subgroup. ▶ 945m SE at Milton Hall Road Denehole. Mineral site operated as an underground site extracting soils from the White Chalk Subgroup. ▶ 955m S at Gravesend Denehole. Mineral site operated as an underground site extracting soils from the White Chalk Subgroup. ▶ 994m SW at Windmill Hill Brick Works. Mineral site operated as an opencast site extracting soils from the Head.
Man-Made Mining Cavities	Five man-made mining cavities have been identified within 1km from the subject site: ▶ 597m NW relating to adit entry chalk mines within the chalk group, ▶ 786m S relating to a denehole within the Lambeth Group, Thanet Sand Formation and Upper Chalk Formation, ▶ 806m W relating to historical lime kilns and chalk excavations in the chalk group, ▶ 881m SE relating to a bell pit within the Thanet Sand Formation and the chalk group. ▶ 996m W relating to historical lime works and potential chalk mining within the chalk group.
Natural Cavities	One natural cavity has been identified within 1km from the subject site: ▶ 280m S relating to solution pipes within the Thanet Sand Formation and Chalk group
Radon Potential - Radon Affected Areas	The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). No radon protective measures are deemed necessary in the construction of new developments.

Hydrogeology

- 3.9 The Groundwater Vulnerability Map of England and the DEFRA website³ have been reviewed to determine the aquifer designations.

³ Information from DEFRA Website: www.magic.defra.gov.uk consulted in month of report issue



- 3.10 The Lewes Nodular Chalk Formation is designated as a **Principal aquifer** which is defined by the Environment Agency as "layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer." Based on the BGS information reviewed, it is considered that the bedrock is relatively permeable, and that shallow groundwater is not anticipated within this geology.
- 3.11 It is noted that the site lies in proximity to a boundary of the Thanet Formation, and therefore this bedrock geology may be present onsite overlying the Lewes Nodular Chalk Formation. The Thanet Formation is designated as a **Secondary A aquifer**. If present, any groundwater present within the Thanet Formation would be expected to be in hydraulic continuity with the underlying Lewes Nodule Chalk Formation.
- 3.12 Head deposits may also be present onsite given the proximity of the site to the boundary. Head deposits are designated as a **Secondary Undifferentiated aquifer**, which is described in the guidance as "an aquifer where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type." Based on the BGS information reviewed, this superficial geology is considered to be relatively impermeable and as such any shallow groundwater held within it is likely to be discontinuous and of low significance.
- 3.13 The Environment Agency has defined Source Protection Zones (SPZs) for groundwater sources used for public drinking water supply.⁴ The site is not located within a SPZ. The closest SPZ is a **Zone I (inner protection zone) located circa 383m south** of the site.
- 3.14 No groundwater discharge consents are recorded within 250m of the site.
- 3.15 Two groundwater abstractions have been listed within 1km from the subject site.
- ▶ 713m south - Operated by Southern Water Services Ltd (Boreholes, Adits And Catchpits At Windmill Hill Ps) and pertains to the abstraction of groundwater for public water supply: potable water supply - direct, under licence no. 9/40/01/0511/G.

⁴ These zones show the risk of contamination from any activities that might cause pollution in the area. The maps show three main zones (inner, outer and total catchment) and a fourth zone of special interest.



- ▶ 779m south - Operated by Southern Water Services Ltd (Windmill Hill Ps, GRAVESEND) and pertains to the abstraction of groundwater for public water supply, under licence no. 01/026.

3.16 Both groundwater abstractions are located at Windmill Hill pumping station and operated by Southern Water for the abstraction of potable water and therefore considered to relate to the same site. In addition, it is also anticipated that the groundwater SPZ located 383m south of the site is in place to protect these potable water abstractions.

Hydrology

- 3.17 The nearest surface water feature has been identified on mapping records around 395m north-east of the site and pertains to a small lake within a public garden. This lake is considered man-made as it only appears on maps from 1999 onwards. It is therefore likely to be lined and as such is not considered to be in hydraulic connectivity with the site.
- 3.18 Other than the **River Thames** that is present around 440m north of the site, no further surface water features have been identified within 500m of the site. Given the high permeability of the underlying bedrock, the River Thames is likely in hydraulic connectivity with the subject site through baseflow. River quality information for the Thames was not available.
- 3.19 No surface water discharge consents are recorded within 250m of the site.
- 3.20 One surface water abstraction is recorded 784m south of the site. It is operated by Southern Water Services Ltd (Windmill Hill Pumping Station) and pertains to the abstraction of pond or lake for sand and gravel washing, under licence no. 1/0511/A/G.

Environmental Statutory Designations

- 3.21 A review of the environmental sensitive receptors' database indicates that the site **is not** located within an ecologically sensitive area. There are no Special Protection Areas, Sites of Special Scientific Interest, Ramsar Sites, Local Nature Reserves, Environmentally Sensitive Areas within 250m of the site.
- 3.22 Two Nitrate Vulnerable Zones are present within 1km of the site:
- ▶ 793m east pertaining to surface water in the coastal streams of the lower Thames
 - ▶ 902m east pertaining to groundwater within the north Kent area



Environmental Sensitivity

- 3.23 The sensitivity of each of the identified receptors is rated depending upon the environmental setting of the site, the likelihood for pollutant linkages to be present and potential consequence of those potential pollutant linkages. The assessment approach adopted is based on guidance set out in the *NHBC R&D 66*⁵ document.
- 3.24 Groundwater within the Lewes Nodular Chalk Formation and Thanet Formation (if present) is considered to have a **Moderately High (M1)** sensitivity, which is described in the guidance as being a "recognised major or minor aquifer, moderately vulnerable, with probable use (either direct or via baseflow to a sensitive watercourse). Within formal protection zone or catchment of authorised abstractions for potable or other high-quality uses. Minor, short-term releases of contaminants may be tolerable." This sensitivity classification has been assigned given the expected high permeability and potential for groundwater storage within this geology, the presence of groundwater abstractions nearby and the proximity of a SPZ Zone 1.
- 3.25 In addition, BGS records suggest that superficial deposits of Head may also be present onsite. Groundwater within the Head Deposits is considered to have a **Low (L1)** sensitivity, which is described in the guidance as being a "permeable strata/minor aquifer near surface, but no apparent use and low vulnerability (may also be a significant aquifer but downgraded by long term/ permanent degradation of water quality). May provide pathway to surface watercourse at distance." This sensitivity classification has been assigned given the limited extent and thickness of the geology anticipated as well as its expected low permeability based on information obtained from BGS records.
- 3.26 Surface water is considered to have a **Moderately High (M1)** sensitivity, which is described in the guidance as being a "site within catchment and reasonable proximity (less than 500m) of a moderate quality watercourse (GQA C/D) or 500-1000m of a high-quality watercourse (GQA A/B). Also where there is potential transmission of pollutants via baseflow with little subsurface attenuation or via an interconnected unclassified drain or stream." This sensitivity classification has been assigned given the proximity of the River Thames (440m) and the potential for baseflow within shallow groundwater.
- 3.27 The sensitivity classifications noted above have been taken into consideration in the development of the conceptual model presented at the rear of this report.

⁵ Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008



Anthropology

- 3.28 Proposed anthropological receptors at the site are considered to include future residents and visitors. In the short term, construction personnel will also be considered.

Summary of Identified Receptors & Site-Specific Pollutant Linkages

- 3.29 A review of the environmental sensitivity and proposed anthropological use of the site has identified the following **receptors**, as detailed below.

Identified Receptors

- ▶ Residents and visitors,
- ▶ Construction workers,
- ▶ Perched / discontinuous groundwater within Made Ground or Head deposits (if present)
- ▶ Deeper groundwater within the Lewes Nodular Chalk Formation (Principal aquifer) or Thanet Formation (if present on site),
- ▶ Surface water,
- ▶ Adjacent land.

Viable Pathways and Pollution Linkages

- 3.30 A number of **viable migration and exposure pathways** and potential pollutant linkages have been identified, whereby a receptor may be exposed to a source. The viable pollutant linkages have then been used to develop a conceptual model. The following is a summary of **viable**, site specific pathways and pollutant linkages to be considered further:

- ▶ Inhalation of toxic vapours, potentially migrating into above ground structures from organic contaminants within the Made Ground, contaminated groundwater or localised spills / leaks. Potential for vapours to migrate through hardstanding and open ground.
- ▶ Hazardous ground gases, potentially generated by the Made Ground, organic-rich natural soils or off-site sources, may migrate into above ground structures and accumulate within building voids and enclosed spaces (resultant risk of asphyxiation and / or explosion).
- ▶ Shallow soil contamination has the potential to vertically migrate downwards into the underlying natural soils and any perched/shallow groundwater by leaching and infiltration. Both the existing and proposed development feature site-wide hardstanding which will



reduce infiltration potential and leaching rates, resulting in lower mobility of any shallow contamination.

- ▶ Vertical migration downwards via leaching and vertical mixing of shallow and deeper groundwater bodies. It is considered that shallow groundwater within the Head Deposits (if present) may be in hydraulic continuity (albeit limited) with deeper groundwater within the bedrock geology (Chalk). This is due to the variable presence of granular materials within the Head which (where present) may allow for the infiltration and leaching of contaminants.
- ▶ Lateral migration of contaminants to down hydraulic gradient areas in groundwater and runoff to off-site
- ▶ Lateral migration of contaminants to down hydraulic gradient surface water (baseflow) off-site

Non-viable Pathways and Pollution Linkages

3.31 The following site-specific pathways and pollutant linkages are not considered to be viable, and therefore discounted from the conceptual model and risk assessment:

- ▶ It is understood that the proposed development will involve site-wide hardstanding, therefore the following exposure pathways to humans have been discounted: inhalation of contaminated dust, dermal contact, direct ingestion of contaminated soils and indirect ingestion of contaminated soils sorbed to home-grown produce.
- ▶ Flora has been discounted as a receptor given the absence of soft landscaping in the proposed development.
- ▶ The following have been removed as viable receptors as it is understood that redevelopment of the site is limited to refurbishment and so does not involve any ground works or installation of below ground structures: ground workers, below ground structures & foundations and potable water pipes.



4.0 Conclusions & Next Steps

- 4.1 The information presented in the previous chapters have been compiled and used to create a conceptual model and qualitative risk assessment. The CSM and risk assessment is presented at the end of this Chapter.
- 4.2 The risk ratings assigned in the risk table, and summarised below, are based on information obtained through desk-based research, a site walkover and on our experience in assessing risks from similar sites. The proposed end use of the site, anticipated ground conditions, environmental receptors and viable exposure pathways have been considered.

Geoenvironmental Risk Ratings

- 4.3 In summary, this Phase 1 Desk Study has determined that it is unlikely that contamination is present on site in a circumstance which could lead to unacceptable risks to identified receptors. As illustrated in the risk assessment tables, all of the risks attributable to viable pollutant linkages were considered to be **low and very low**.
- 4.4 Onsite sources were limited to minor contaminants associated with former residential and commercial land use as well as Made Ground associated with previous phases of construction and demolition. However, as the proposed development comprises site wide hardstanding this was considered to break any potential contaminant pathways to future site users and therefore all risks were identified to be low or very low.
- 4.5 A number of offsite sources were identified within the vicinity of the site, for example historical landfills, petrol filling station, dry cleaners, railway and garages. However, no viable pathways were identified for any of these sources to impact the site. This was due to the presence of a lower ground floor which comprises a well-ventilated undercroft car park which will mitigate against the accumulation of any ground gases or vapours. In addition, migration of any contaminants in groundwater will be restricted by presence of hardstanding and presence of a significant unsaturated zone. The depth to groundwater anticipated within Lewes Nodular Chalk is circa 50m bgl. Any shallow groundwater within the Head Deposits (if present) is expected to be discontinuous within perched pockets which will limit any potential for lateral migration.
- 4.6 It is important to remember that the qualitative nature of the risk assessment is not absolute. Even if very low and low risks have been assigned to pollutant linkages, the risk cannot be eliminated (i.e. “no



risk”) at this stage of the assessment. Residual risks will remain and should not be disregarded on the basis that the risk is low.

Planning Considerations & Next Steps

- 4.7 It is understood that this report will be submitted to the local planning authority to support the planning application.
- 4.8 Based on the findings of this assessment **no further works or mitigation measures are required** to ensure the proposed development is suitable for use from a land quality perspective.
- 4.9 A **Non-Specialist Watching Brief** is always recommended during any groundworks and the construction phase to identify any visual or olfactory evidence of contamination. Should unforeseen contamination be identified, works in that area should stop and Lustre be contacted to assess the suspected contamination.

Advisory Matters

- 4.10 Aside from land contamination issues that require consideration under the planning regime, the findings of this assessment impact other aspects of building design and construction. These items often require action to ensure that you continue to have a safe and compliant site and include matters such as ground hazards foundation design, waste soil classification etc
- 4.11 A suitable asbestos survey should be undertaken prior to the start of any site refurbishment/demolition works, if not already completed. If encountered, asbestos and asbestos containing materials, should be dealt with in accordance with CAR 2012.

Preliminary Ground Model & Ground Hazard Recommendations

- 4.12 The BGS information shows that the site is underlain by the Lewes Nodular Chalk Formation with no superficial deposits recorded. It is noted, however, that some variation in geology is present within the surrounding area. The site lies close to a boundary of superficial Head deposits and bedrock geology of the Thanet Formation, both of which may therefore extend onsite and overly the Lewes Nodular Chalk. In addition, a layer of Made Ground is anticipated due to previous construction and demolition onsite.
- 4.13 Considering the information from the BGS reviewed as part of this Phase 1, shallow perched groundwater would be anticipated if Head Deposits are identified. In the absence of Head Deposit groundwater would be anticipated to be present at a significant depth within the Lewes Nodular Chalk.



- 4.14 A moderate risk of ground dissolution hazards has been identified onsite. In addition, the environmental database indicates the presence of natural cavities and mining activities within 1km of the site. Consideration of the above risks is recommended by a suitably qualified structural engineer to identify if any further assessments are required to support the proposed development.

Comments on Waste Classification

- 4.15 Separate to the human health and wider environmental risks from potential contamination, the presence of some contaminants can also impact the waste spoil disposal costs. Depending on the chemical composition of any Made Ground, soils may require different disposal routes. Should there be a need for the disposal of soils as part of the development, the waste producer should undertake a waste spoil assessment. This must include an assessment of the hazardous nature of the soil by virtue of any contamination (in accordance with the Waste Framework Directive and the Environment Agency's *Technical Guidance WM3 Hazardous Waste*⁶), and possibly Waste Acceptance Criteria (WAC) testing.

Statutory Designation

- 4.16 The National Planning Policy Framework (NPPF) states that "land should be suitable for its new use and as a minimum, after carrying out remediation (if required), the land should **not** be capable of being determined as contaminated land under Part 2A of the Environmental Protection Act 1990". It is our opinion that, based on the findings of this Phase 1 Desk Study, it is unlikely the site would be designated as statutory contaminated land by the Local Authority under the provision of the published Statutory Guidance. It is advisable however, that any recommendations made in this report are implemented in line with current guidance and good practice.

⁶ Technical guidance WM3: Guidance on the Classification and Assessment of Waste (1st Edition 2015). Environment Agency.

DRAFT

Conceptual Site Model

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ON SITE SOURCE: Shallow Soils Impacted by Current and Historical Site Use

JUSTIFICATION NOTES: A full list of summary notes which provide detail and context to the risk ratings assigned in the table below is given at the end of the table. If specific notes are particularly significant to a certain pollutant linkage, these are referenced in the final column of the table.

CONCEPTUAL SITE MODEL				RISK ASSESSMENT			KEY
SOURCE - Potential contamination from current / historical site uses to impact site. Based on historical mapping records, the following have been identified on site: commercial (office/retail) and residential.	POTENTIAL CONTAMINANTS - asbestos, metals, inorganics, PAH and TPH	PATHWAY	RECEPTOR	LIKELIHOOD OF OCCURRENCE	CONSEQUENCE (SEVERITY)	POTENTIAL RISK	JUSTIFICATION NOTES
		Inhalation of vapours from soils and groundwater	Residents and site visitors	Unlikely	Mild	Very Low	1 to 7
		Inhalation of contaminated dusts, gases and vapours, dermal contact and direct ingestion of contaminated soils	Construction workers	Unlikely	Medium	Low	1 to 8
		Vertical migration downwards via leaching and/or saturation of contaminated soils	Perched groundwater within Made Ground and/or Head deposits (if present)	Low Likelihood	Mild	Low	3 and 9 to 12
		Vertical migration downwards via leaching and vertical mixing with shallow groundwater	Deeper groundwater within Lewes Nodular Chalk Formation (Principal aquifer) and/or Thanet Formation (if present)	Unlikely	Medium	Low	9 to 12
		Lateral migration of contaminants to down hydraulic gradient surface water (baseflow)	Surface water	Unlikely	Medium	Low	11 to 13
		Lateral migration of contaminants to down hydraulic gradient areas in groundwater and runoff	Adjacent land	Unlikely	Medium	Low	7 and 11
		Migration and accumulation of gases within building voids and enclosed spaces	Building and site occupants	Very Unlikely	Severe	Acceptably Low	2 and 3
GROUND HAZARDS		Moderate or above ground stability hazards have been identified on site: ground dissolution				YES	
NATURAL CAVITIES		Potential risk identified based on PBA cavity database information - nearby cavities.				YES	
MINING		Potential risk identified based on the presence of nearby BGS mineral sites.				YES	
RADON		Potential risk identified based on radon mapping.				No	

JUSTIFICATION NOTES

NOTE ID	NOTES
1	It is understood that development proposals for the site involve conversion and refurbishment of the existing office block on the site into residential apartments. The proposed development will comprise approximately 37 apartments with access roads, site wide hardstanding and maintenance of the undercroft car park.
2	An undercroft car parking area is included within the proposed development which will remain open-sided and is therefore considered to be well ventilated which limits the potential for the accumulation of any ground gases and/or vapours. It is understood that no dwellings or small enclosed spaces are proposed on this floor.
3	Historically the site comprised residential dwellings , with several houses shown along the western and eastern boundaries. Domestic dwellings represent a minor contaminative land use with the potential introduction of contaminants into the subsurface typically through bonfires and spreading of ash in the garden. When these houses were demolished to accommodate the new office block, waste demolition materials may have been retained and spread on site. These waste materials, which may contain asbestos and other contaminants, may be present in the subsoil on site; a layer of Made Ground is therefore anticipated. Depending on the thickness, organic and putrescible content of any Made Ground on site, these soils may represent a source of ground gas.
4	The site is believed to only have been used as commercial office space since it was built circa 1960s / 1970s. Commercial sites are not often considered potentially significant sources of contamination as they don't typically store or use hazardous or contaminative substances. As such, no bulk or small-scale storage of hazardous materials was observed during the site walkover. The site did comprise parking areas including the basement level car park . Minor sporadic leaks of fuels and oils from parked vehicles is expected. The underlying hardstanding, will likely afford some protection to the underlying ground from any such small-scale hydrocarbon releases from parked cars etc. Unless heating oil was used to heat the building, no likely point sources of contamination are likely directly associated to the commercial site use.
5	Suspected ACM was observed during the site walkover in the form of cement boards in the ceiling of the basement. It was observed to be in good condition. The deterioration of ACM or the mixing with soils during the spreading of any waste ACM in demolition materials (include any such materials imported to site in the past), may have resulted in asbestos contamination of soils (ACS). The potential for ACS to be present underlying the hardstanding should be considered.
6	Hardstanding comprised around 100% of the site footprint and site-wide hardstanding is set to remain in the proposed development. The hardstanding was observed to be in good condition with no widespread cracking or damage observed. This hardstanding will have reduced infiltration of any contaminants into the shallow soils beneath the site. No hydrocarbon staining was noted on the bituminous macadam underlying the car park areas.
7	Contamination likely minor , with possible sporadic localised areas of higher contamination
8	Construction workers - use of appropriate PPE and awareness of potential hazards through 'toolbox' talks
9	Groundwater within the Lewes Nodular Chalk Formation and Thanet Formation (if present onsite) is considered to have a Moderately High (M1) sensitivity, which is described in the guidance as being a "recognised major or minor aquifer, moderately vulnerable, with probable use (either direct or via baseflow to a sensitive watercourse). Within formal protection zone or catchment of authorised abstractions for potable or other high quality uses. Minor, short-term releases of contaminants may be tolerable." This sensitivity classification has been assigned given the expected permeability and potential for groundwater storage within these geologies, the presence of groundwater abstractions nearby and the proximity of a SPZ Zone 1.
10	Head deposits may be present onsite overlying the Lewes Nodular Chalk Formation (and possibly Thanet Formation). Groundwater within these geologies is considered to have a Low (L1) sensitivity, which is described in the guidance as being a "permeable strata/minor aquifer near surface, but no apparent use and low vulnerability (may also be a significant aquifer but downgraded by long term/ permanent degradation of water quality). May provide pathway to surface watercourse at distance." This sensitivity classification has been assigned given the anticipated absence of significant shallow groundwater within this low permeability geology, the lack of a formal protection zone (e.g. SPZ) onsite and the absence of groundwater abstractions pertaining to this geology.
11	Considering the information from the BGS reviewed as part of this Phase 1, significant shallow groundwater is not anticipated to be present beneath the site. Any groundwater within the shallow soils is likely to be discontinuous and of low value. Given the above, shallow soil contamination is unlikely to readily enter groundwater and migrate off-site.
12	Groundwater within the Lewes Nodular Chalk is anticipated to be present at a significant depth (circa 50m bgl) which reduces the potential for infiltration of contaminants due to an increased unsaturated zone. In addition vertical mixing is considered unlikely between Head Deposit (if present) and Lewes Nodular Chalk noting the depth of deeper groundwater as well as the anticipated low permeability of the Head Deposits.
13	Surface water is considered to have a Moderately High (M1) sensitivity, which is described in the guidance as being a "site within catchment and reasonable proximity (less than 500m) of a moderate quality watercourse (GQA C/D) or 500-1000m of a high-quality watercourse (GQA A/B). Also where there is potential transmission of pollutants via baseflow with little subsurface attenuation or via an interconnected unclassified drain or stream." This sensitivity classification has been assigned given the proximity of the River Thames (440m north) and the potential for baseflow in groundwater.

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OFF-SITE SOURCES

JUSTIFICATION NOTES: A full list of summary notes which provide detail and context to the risk ratings assigned in the table below is given at the end of the table. If specific notes are particularly significant to a certain pollutant linkage, these are referenced in the final column of the table.

CONCEPTUAL SITE MODEL				RISK ASSESSMENT			KEY
SOURCE	POTENTIAL CONTAMINANTS	PATHWAY	RECEPTOR	LIKELIHOOD OF OCCURRENCE	CONSEQUENCE (SEVERITY)	POTENTIAL RISK	JUSTIFICATION NOTES
Off-site landfills	Methane and carbon dioxide (ground gases), leachate.	Inhalation of gases (methane and carbon dioxide)	Site occupants	Unlikely	Medium	Low	1 to 3
		Lateral migration of leachate on to the subject site	On-site groundwater	Unlikely	Medium	Low	3 and 7 to 10
Off-site land uses - railway line, electrical substations, depots, laundry, engineering works, garages (vehicle servicing), builders yards, workshops and telephone exchange.	Asbestos, metals, inorganics, PAH, TPH, VOCs, phenols, SVOCs, PCBs and TPH	Inhalation of vapours from groundwater	Site occupants	Unlikely	Medium	Low	1, 2, 4 and 7 to 10
		Lateral migration of contaminated groundwater on to the subject site	On-site groundwater	Unlikely	Medium	Low	4 and 7 to 10
Off-site PFS	Metals, TPH and VOCs	Inhalation of vapours from groundwater	Site occupants	Unlikely	Medium	Low	1, 2, 5 and 7 to 10
		Lateral migration of contaminated groundwater on to the subject site	On-site groundwater	Unlikely	Medium	Low	5 and 7 to 10
Off-site Permitted installation (dry cleaners)	Metals, inorganics, PAH, TPH, phenols, VOCs and SVOCs	Inhalation of vapours from groundwater	Site occupants	Unlikely	Medium	Low	1, 2, 6 to 10
		Lateral migration of contaminated groundwater on to the subject site	On-site groundwater	Unlikely	Medium	Low	6 to 10

JUSTIFICATION NOTES

NOTE ID	NOTES
1	It is understood that development proposals for the site involve conversion of the existing office block on the site into residential apartments. The proposed development will comprise approximately 37 apartments with access roads, site wide hardstanding and maintenance of the basement level car park.
2	An undercroft car parking area is included within the proposed development which will remain open-sided and is therefore considered to be well ventilated which limits the potential for the accumulation of any ground gases and/or vapours. It is understood that no dwellings or small enclosed spaces are proposed on this floor.
3	Based on the data held within the Envirocheck database, 4 historical landfill sites have been identified within 1km of the subject site, with the closest landfill located circa 480m. Records regarding input dates were not provided so it is unknown when landfilling ceased. Records state that deposited waste at all four sites included inert waste, with the addition of commercial waste at the landfill site 800m east. It is assumed that landfilling ceased less than 60 years ago due to the absence of information, therefore there is potential for ground gases or leachate to still be migrating from the infilled materials that may present a risk to the subject site. A review of mapping records indicate that the historic landfills were all relatively small in size and have mostly been redeveloped into residential or commercial sites. Given these factors, coupled with the landfill sites being approximately 500m to 1km away, the potential for ground gas migration is reduced.
4	The following off-site land uses (taken from mapping records) have been considered further in this assessment as viable potential off-site sources of contamination: railway line, electrical substations, depots, laundry, engineering works, garages (vehicle servicing), builders yards, workshops and telephone exchange.
5	An active petrol filling station (PFS) has been identified from the regulatory database 106m east of the site. The PFS is located within a distance to the site which means that any uncontrolled fuel releases from historical tank leaks etc, may be able to migrate on to the subject site.
6	Potential off-site sources of contamination have been identified within the regulatory database from two permitted operations : 125m SW and 218m W for dry cleaners. Sites which have permit controls may store or use potentially contaminative substances that may present a risk of contamination if these substances enter the subsurface and are able to migrate on to the subject site.
7	Groundwater within the Lewes Nodular Chalk Formation and Thanet Formation (if present onsite) is considered to have a Moderately High (M1) sensitivity, which is described in the guidance as being a "recognised major or minor aquifer, moderately vulnerable, with probable use (either direct or via baseflow to a sensitive watercourse). Within formal protection zone or catchment of authorised abstractions for potable or other high quality uses. Minor, short-term releases of contaminants may be tolerable." This sensitivity classification has been assigned given the expected permeability and potential for groundwater storage within these geologies, the presence of groundwater abstractions nearby and the proximity of a SPZ Zone I.
8	Head deposits may be present onsite overlying the Lewes Nodular Chalk Formation (and possibly Thanet Formation). Groundwater within these geologies is considered to have a Low (L1) sensitivity, which is described in the guidance as being a "permeable strata/minor aquifer near surface, but no apparent use and low vulnerability (may also be a significant aquifer but downgraded by long term/ permanent degradation of water quality). May provide pathway to surface watercourse at distance." This sensitivity classification has been assigned given the anticipated absence of significant shallow groundwater within this low permeability geology, the lack of a formal protection zone (e.g. SPZ) onsite and the absence of groundwater abstractions pertaining to this geology.
9	Considering the information from the BGS reviewed as part of this Phase 1, significant shallow groundwater is not anticipated to be present beneath the site. Any groundwater within the shallow soils is likely to be discontinuous and of low value. Given the above, up gradient sources of off-site shallow soil contamination are unlikely to readily enter groundwater and migrate on-site.
10	Groundwater within the Lewes Nodular Chalk is anticipated to be present at a significant depth (circa 50m bgl) which reduces the potential for infiltration of contaminants due to an increased unsaturated zone. In addition vertical mixing is considered unlikely between Head Deposit (if present) and Lewes Nodular Chalk noting the depth of deeper groundwater as well as the anticipated low permeability of the Head Deposits.

ENVIRONMENTAL RISK ASSESSMENT

Introduction

This section assesses the significance of the environmental issues that have been identified on the site or in the surrounding area. This is achieved by developing an initial conceptual model for the site and undertaking a qualitative risk assessment.

The objective of the conceptual model is to identify potential contaminant “source(s)”, “pathways” and target “receptors” relating to the site and surrounding area. The information obtained is described in detail in the Land Use Chapter and the Sensitivity & Anthropology Chapters. This information is then collated and a qualitative risk assessment^{7,8} undertaken to assess the source-pathway-receptor linkages. The potential for a pollution event to occur is evaluated using a risk classification tool⁹. The level of risk is assigned by considering the likelihood that a pollution event might occur with the consequence of its occurrence. The consequence is essentially a measurement of the severity of a hazard (or source) and sensitivity of the receptor (e.g. aquifer type or end user).

The Table presented overleaf details the various components of the site conceptual model and evaluates the risks associated with each viable potential pollution linkage. Where additional explanation is required, Justification Notes have been given at the end of the Table. The risks associated with each potential pollution linkage are also discussed within the report conclusions.

Methodology

The qualitative risk assessment firstly considers the source of contamination and potential contaminants associated with the source(s) (or hazards). As well as the type of source, the extent, concentration and availability of a contaminant is also assessed.

The effect of a hazard on an identified receptor is largely governed by the sensitivity of a receptor. Receptors may typically include people, buildings, animals, plants and local resources (such as groundwater, surface waters, mines etc). A change in the receptor should be considered if the end-use of the site changes, for example, if a commercial site is to be redeveloped into a residential housing estate as a residential occupier is considered more sensitive than a commercial occupier. The presence of contamination (as a potential hazard) does not necessarily mean that there is a risk. It is the exposure pathway and the quantity of contamination that reaches the receptor which may determine the effect on a receptor (such as the integrity of a barrier between a contamination source and receptor).

The risk classifications for both likelihood and consequence is based on methodology presented in Contaminated Land Risk Assessment, A Guide to Good Practice (CIRIA C552, 2001) and has been developed from procedures outlined in the EA's LCRM. The Department for the Environment Transport and the Regions (DETR), with the EA and Institute of Environment & Health, has also published guidance on risk assessment (Guidelines for Environmental Risk Assessment and Management). The guidance states that the designation of risk is based upon a consideration of both:

⁷ Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008.

⁸ Construction Industry Research and Information Association (CIRIA). Contaminated Land Risk Assessment. A Guide to Good Practice. CIRIA C552 2001.

⁹ Department of the Environment, Transport and the Regions, Environment Agency and Institute of Environmental Health. Guidelines for Environmental Risk Assessment and Management. HMSO July 2000.

- The magnitude of the potential consequence (severity) of risk occurring which takes into account both the potential severity of the hazard and the sensitivity of the receptor; and
- The likelihood of an event occurring (probability) which takes into account both the presence of the hazard and receptor and the integrity of the pathway.

The magnitude of consequence (severity) and likelihood (probability) is defined in the CIRIA guidance, together with examples. The two classifications are then compared (as shown on Table 1) to obtain an estimation of risk for each pollution linkage, ranging from “very high risk” to “very low risk”. A description of the risks and likely actions required is presented in Table 2. The benefit of estimating the risk in this way is that it can be revised after each investigation phase as the conceptual model and corresponding pollution linkages are refined.

Comparison of Consequence VS. Probability

		Consequence			
		Severe	Medium	Mild	Minor
Likelihood	High likelihood	Very high risk	High risk	Moderate risk	Moderate/ low risk
	Likely	High risk	Moderate risk	Moderate/ low risk	Low risk
	Low likelihood	Moderate risk	Moderate/ low risk	Low risk	Very low risk
	Unlikely	Moderate/ low risk	Low risk	Very low risk	Very low Risk

Description of the Classified Risks and Likely Action Required

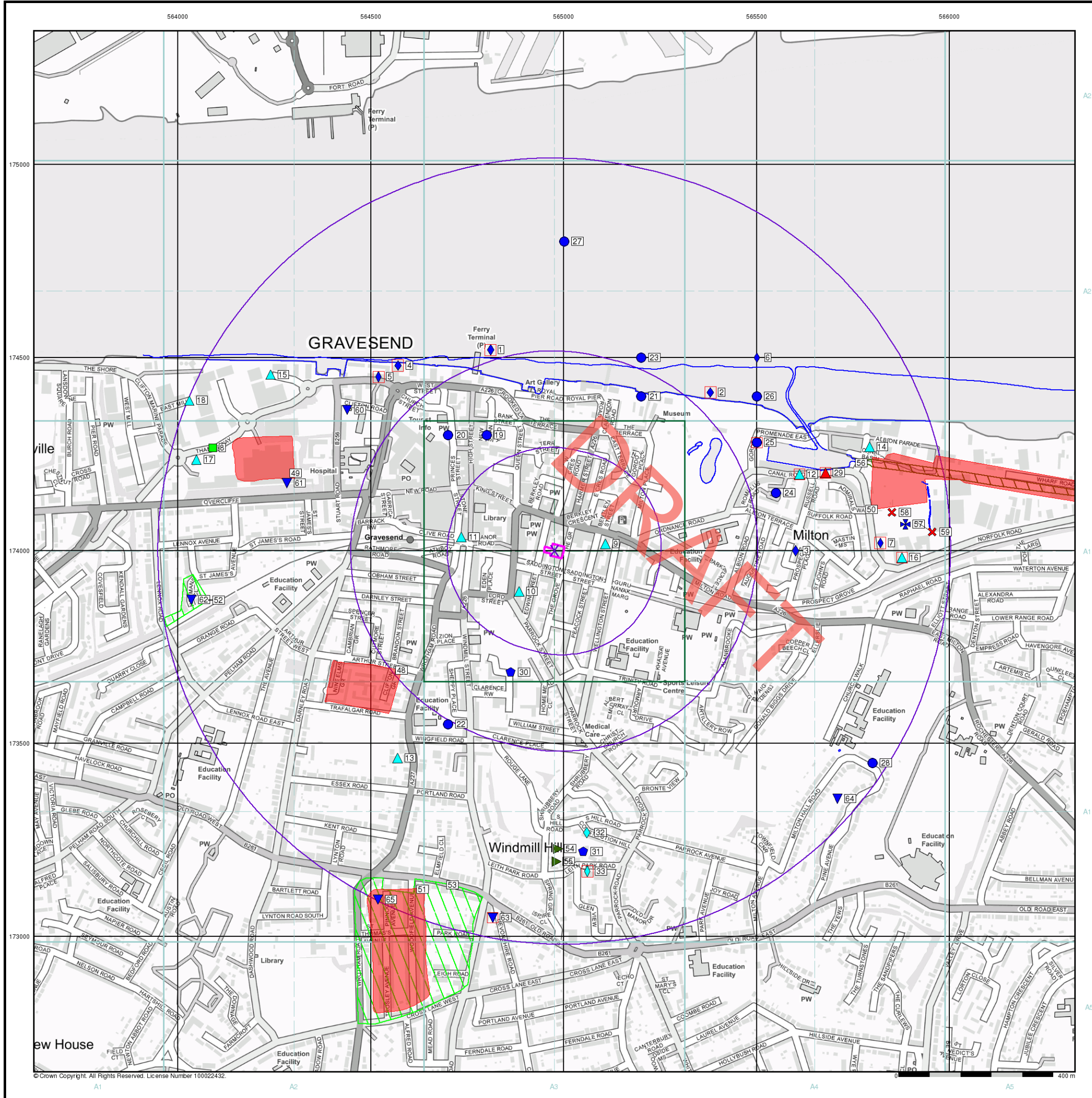
Level of Risk	Description of Classification
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, or there is evidence that severe harm to a designated receptor is currently happening. If this risk is realised, it is likely to result in significant environmental and financial liability to current and/ or future site owners/ occupiers. Urgent investigation (if not already undertaken) and remediation is likely to be required.
High Risk	Harm is likely to arise to a designated receptor from an identified hazard. If risk is realised, it is likely to present a sizeable environmental and financial liability to current and/ or future site owners/ occupiers. Urgent investigation is required, and remediation work may be necessary in the short term and likely over the longer term.
Moderate Risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely the harm would be relatively mild.

	Investigation is normally required to clarify the risk and determine the potential environmental liability. Some remedial works may be required over the longer term.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. Limited investigation may be recommended to clarify the risk, dependant on the sensitivity of the receptor and viewpoint of those of interest. Any remedial works are likely to be fairly limited.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is likely to be mild or minor.

The acceptability of risk will always depend upon the viewpoint of those of interest, whether it is an occupier of a site, a regulator or stakeholder. As a result, it could be that action will be required to deal with a level of risk even if it is classified as very low.

DRAFT

APPENDIX A: Envirocheck Report



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

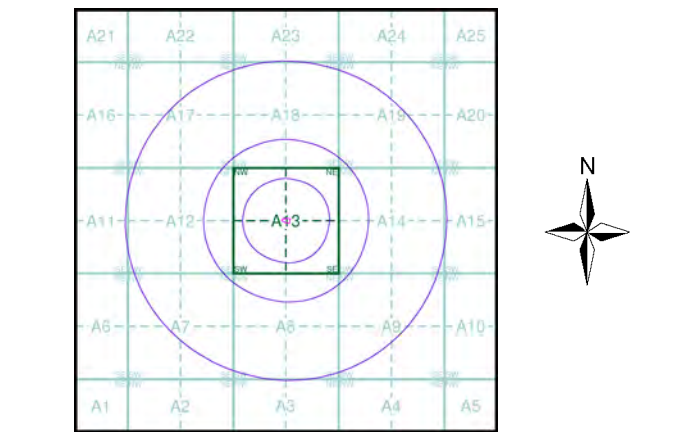
Hazardous Substances

- 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)
- 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

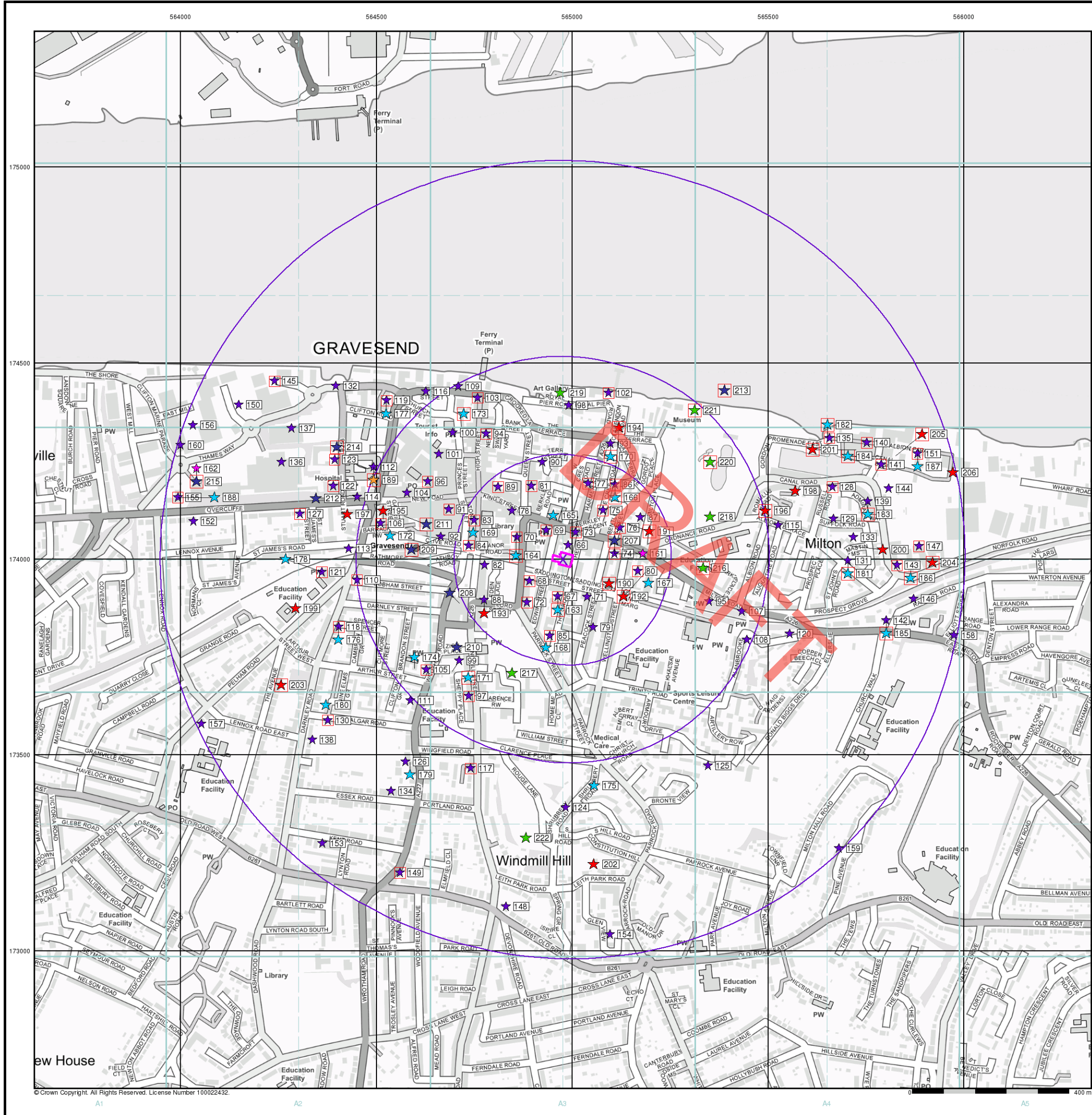


Order Details

Order Number: 357814499_1_1
 Customer Ref: 4749
 National Grid Reference: 564980, 174000
 Slice: A
 Site Area (Ha): 0.13
 Search Buffer (m): 1000

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF



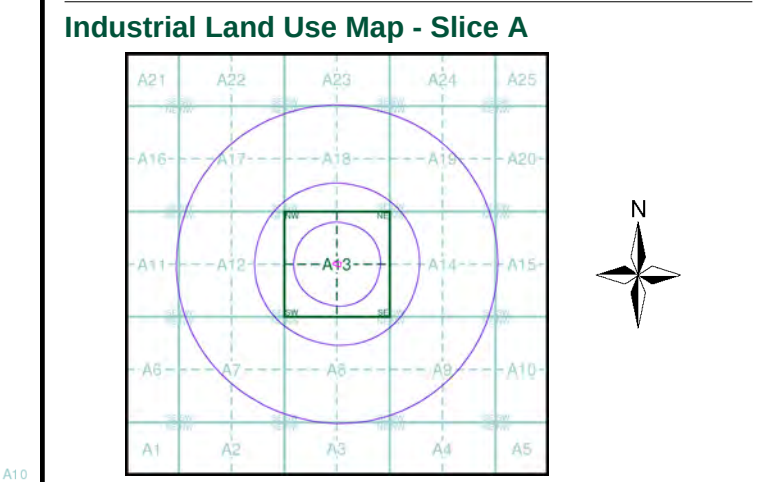
Industrial Land Use Map

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

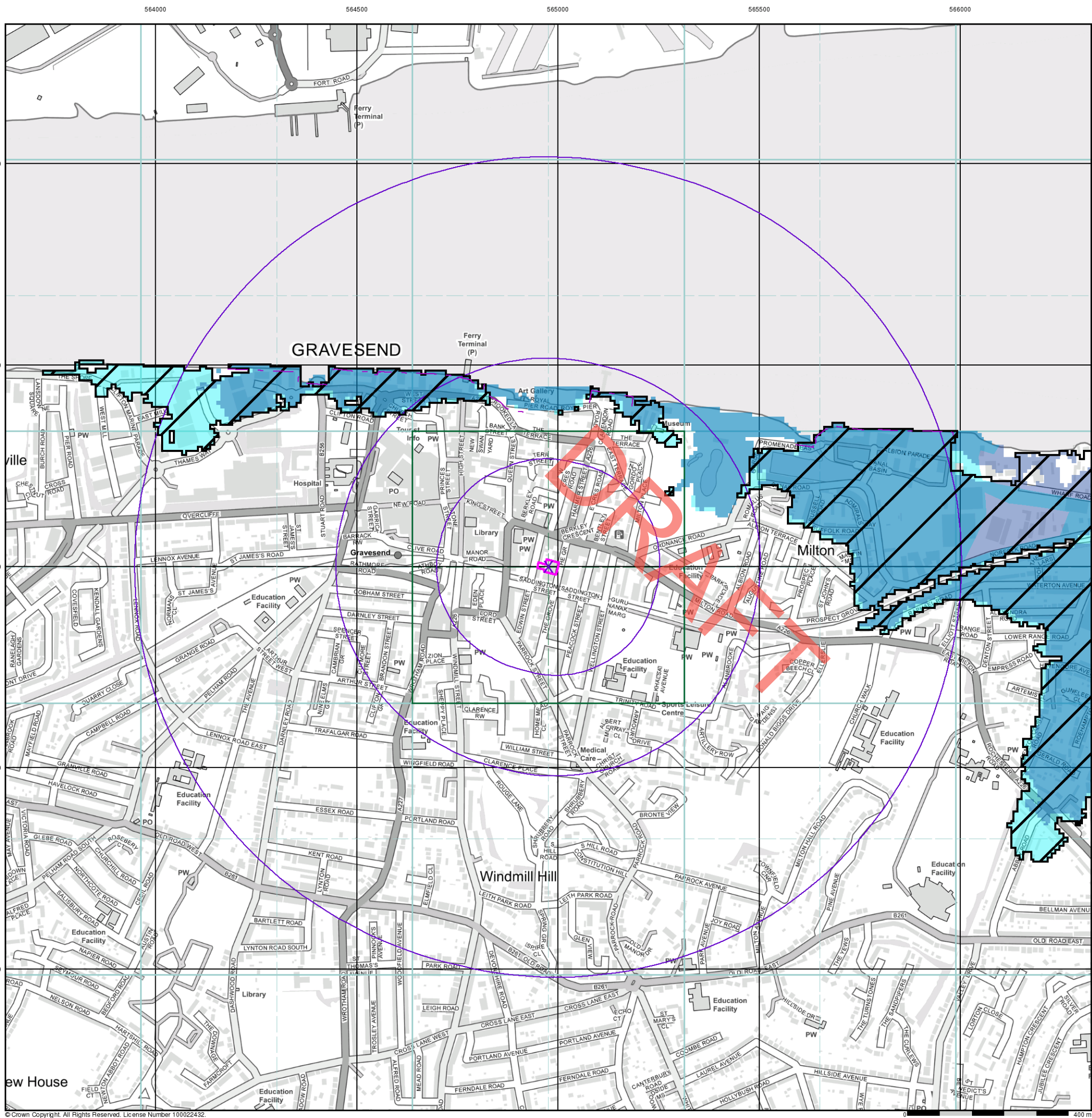


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Customer Ref:	4749
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Site Details

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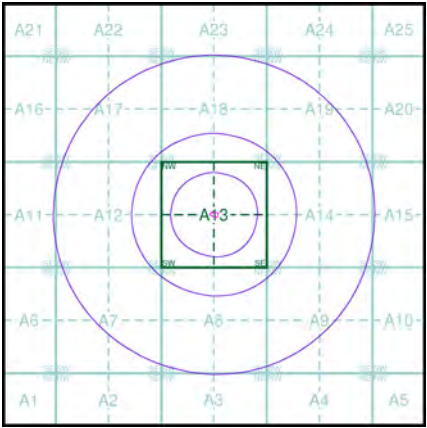
General

- 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

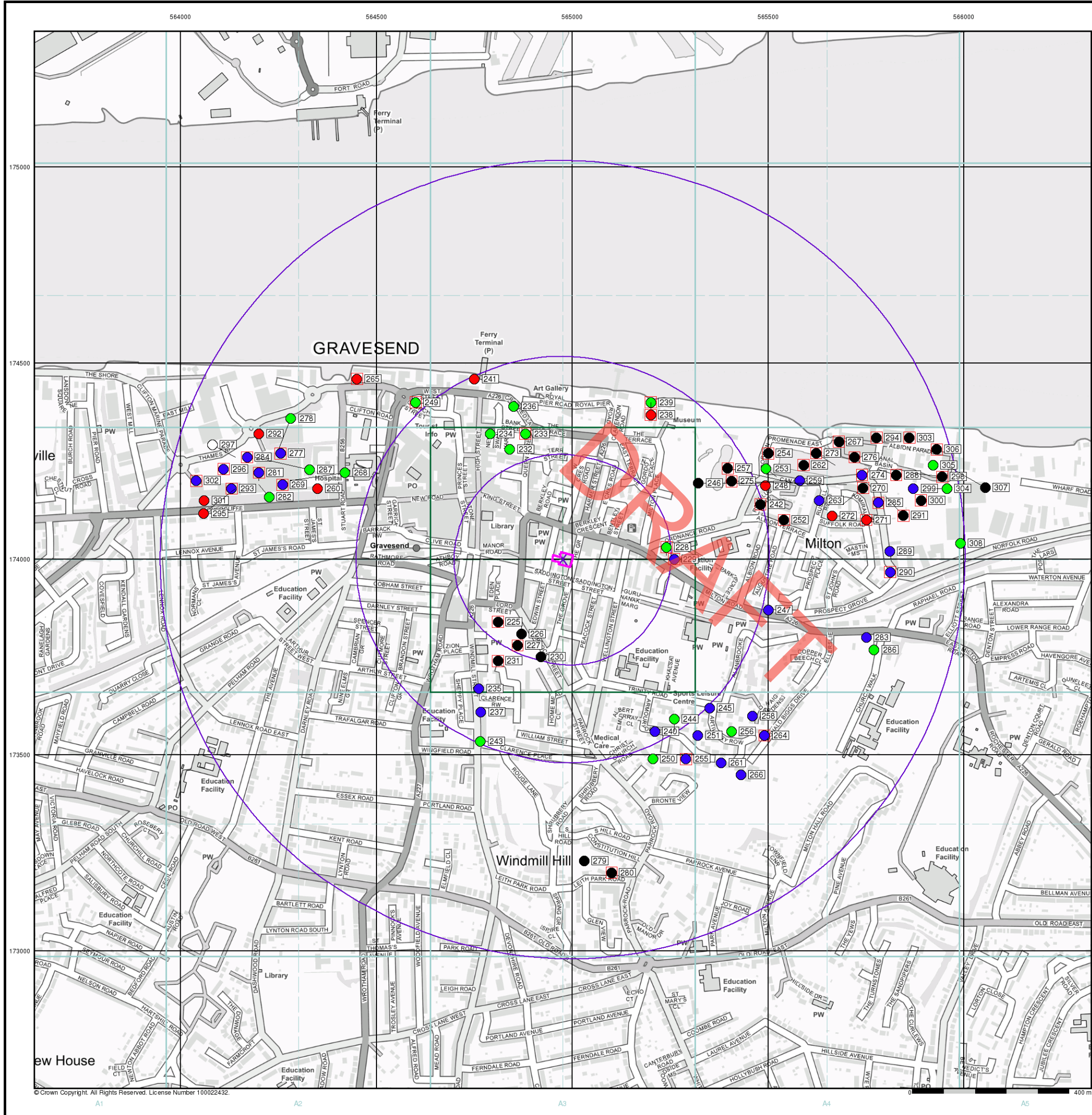
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General

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

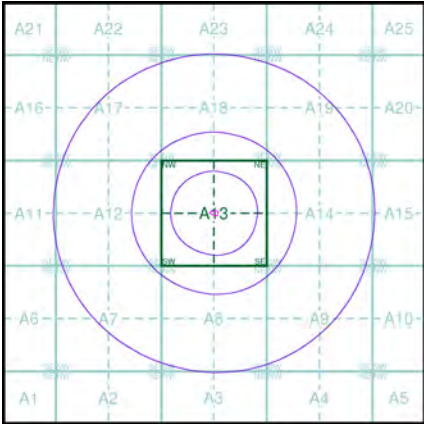
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

Order Number:	357814499_1_1
Customer Ref:	4749
National Grid Reference:	564980, 174000
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

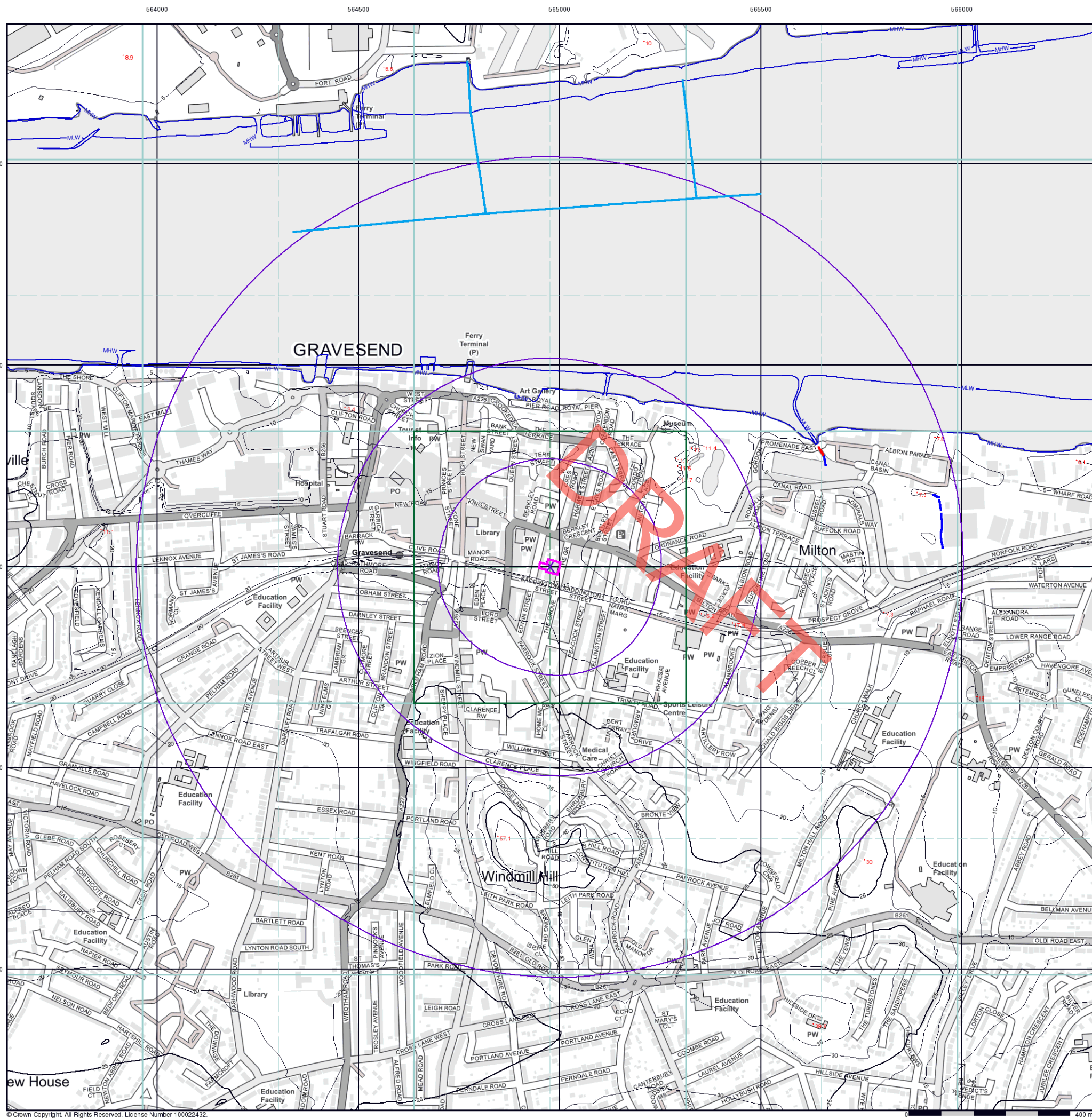
Site Details

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A Landmark Information Group Service v50.0 10-Sep-2024 Page 4 of 6



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General

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

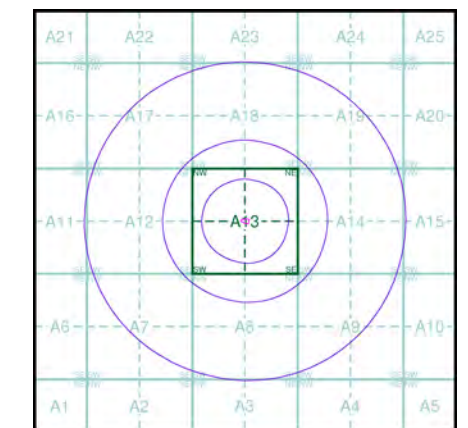
OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour 105 100 95
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

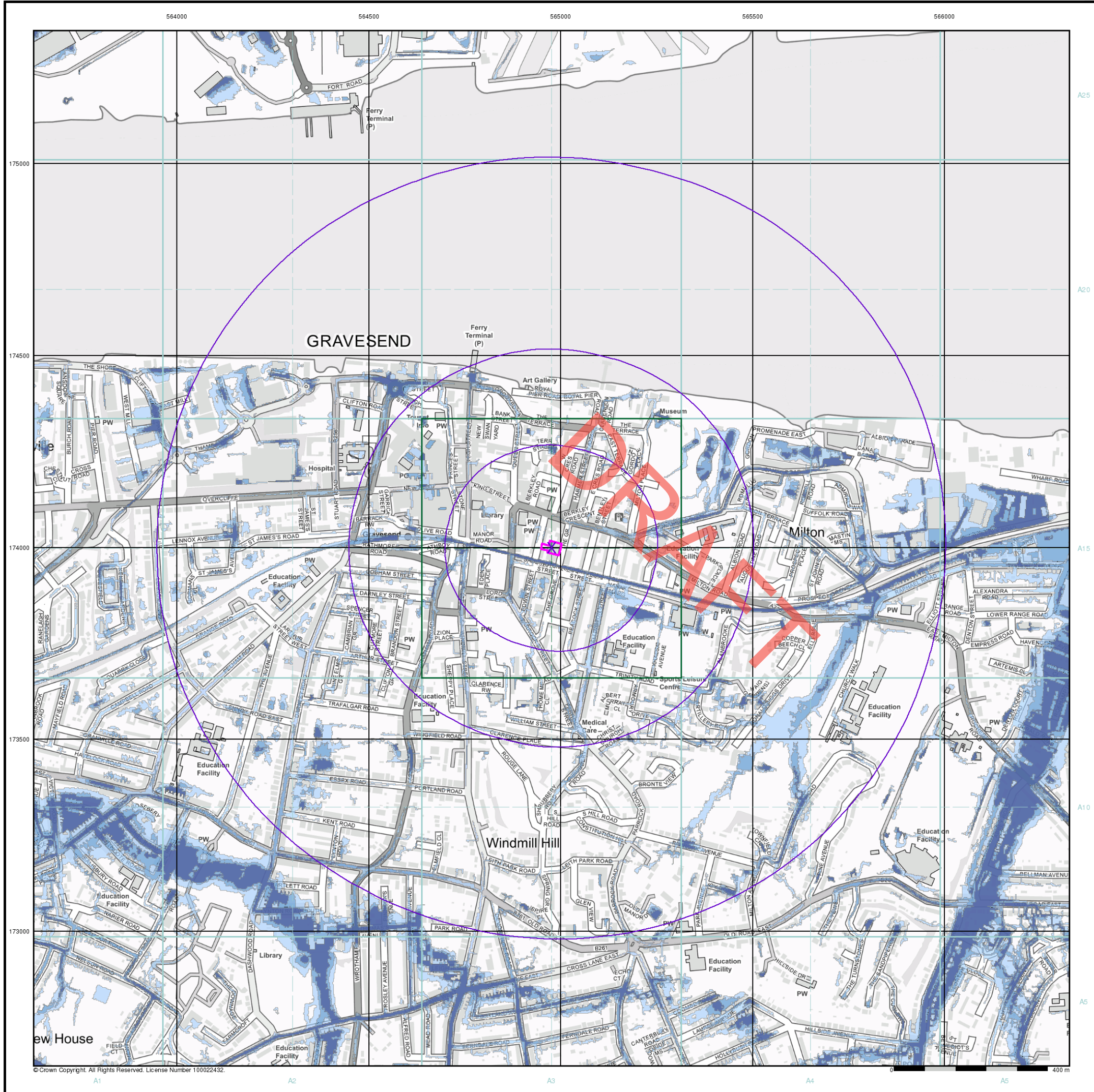
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Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

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General

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

Risk of Flooding from Surface Water

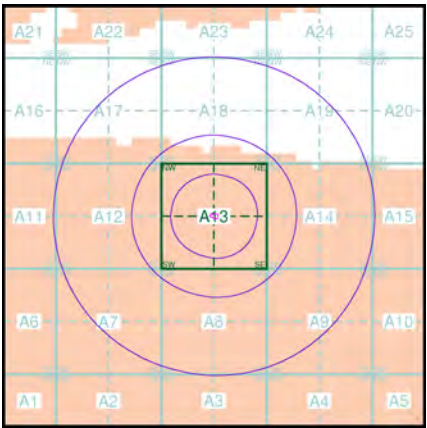
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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

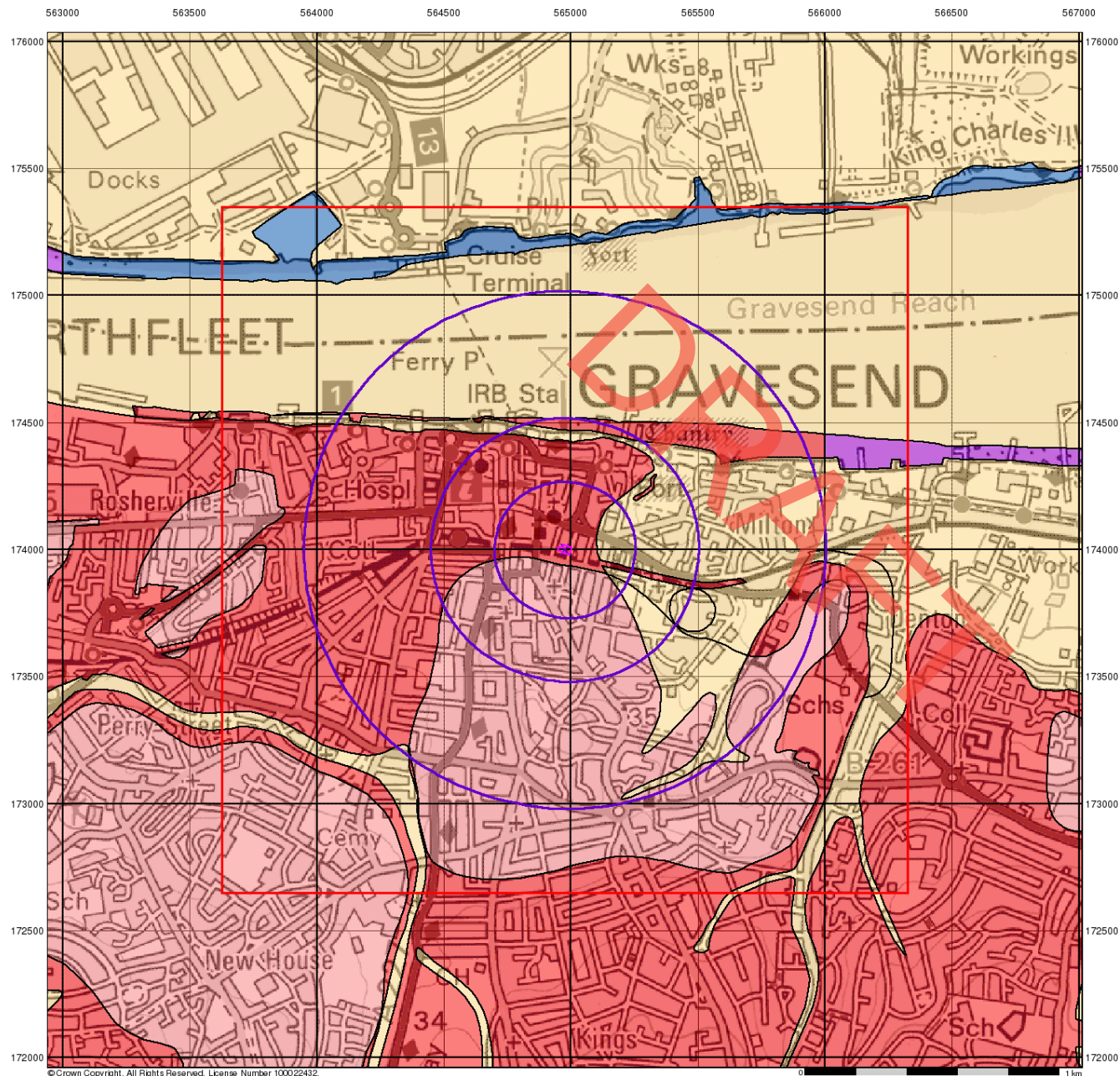
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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

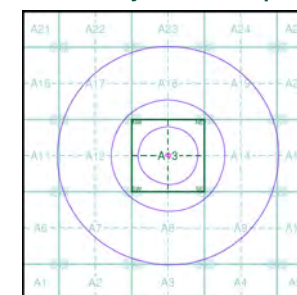
Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

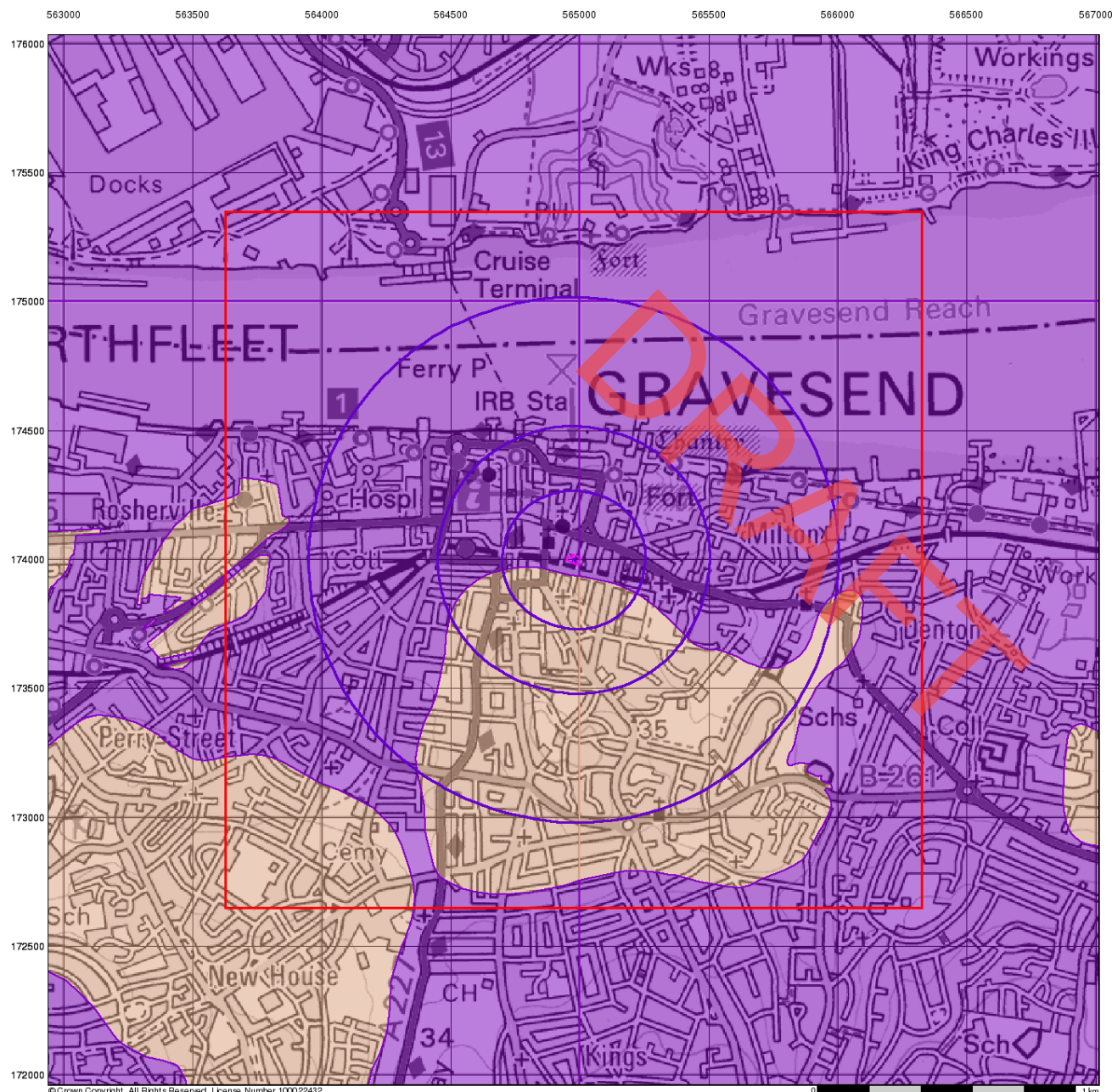
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Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

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0 1 km



Bedrock Aquifer Designation

General

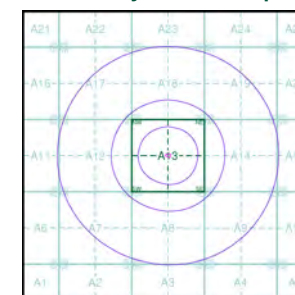
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

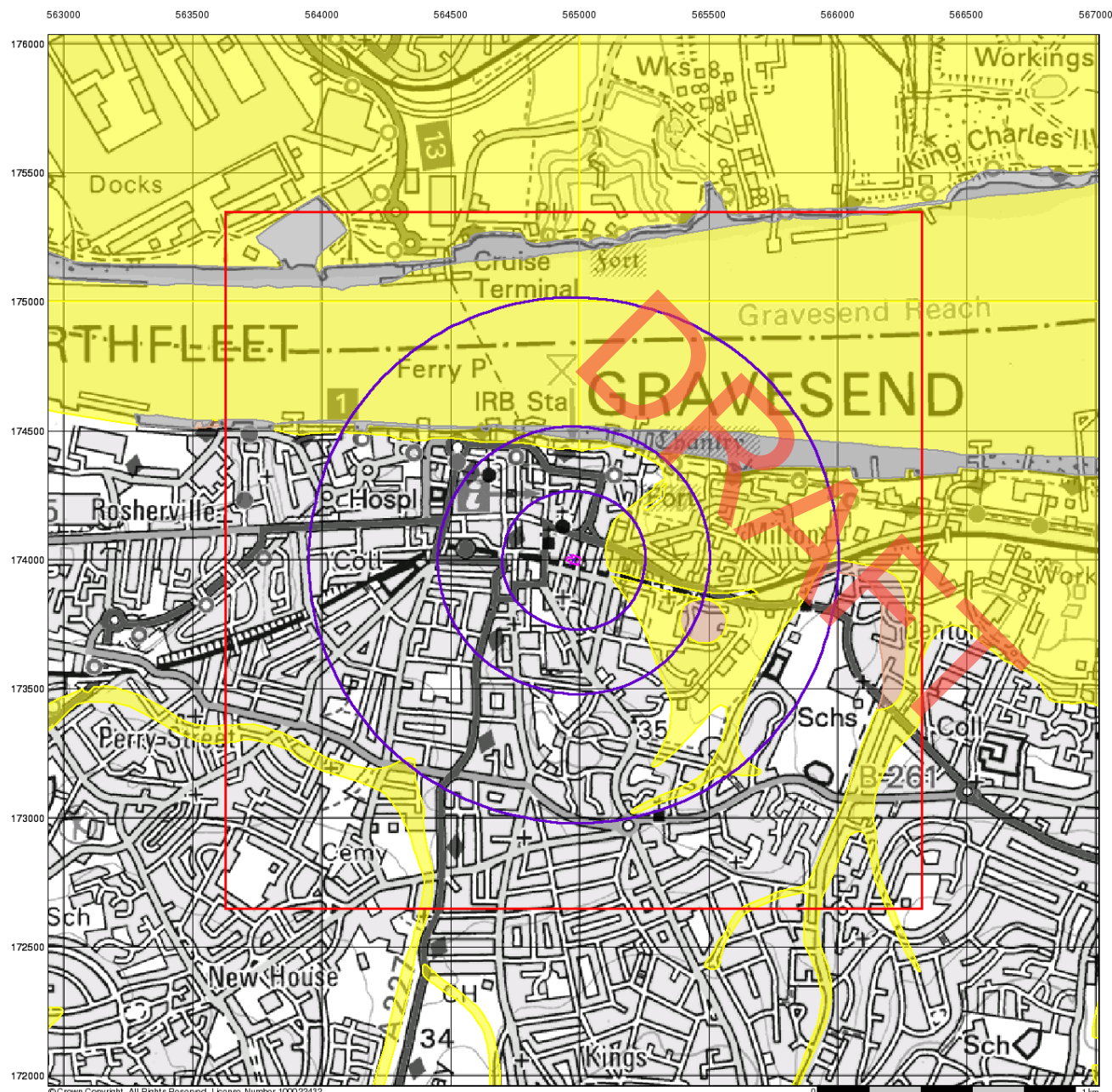
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 National Grid Reference: 564980, 174000
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 Site Area (Ha): 0.13
 Search Buffer (m): 1000

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Superficial Aquifer Designation

General

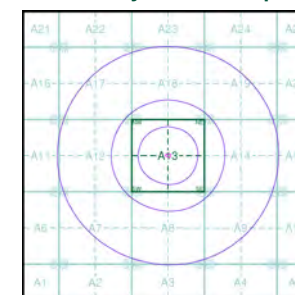
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

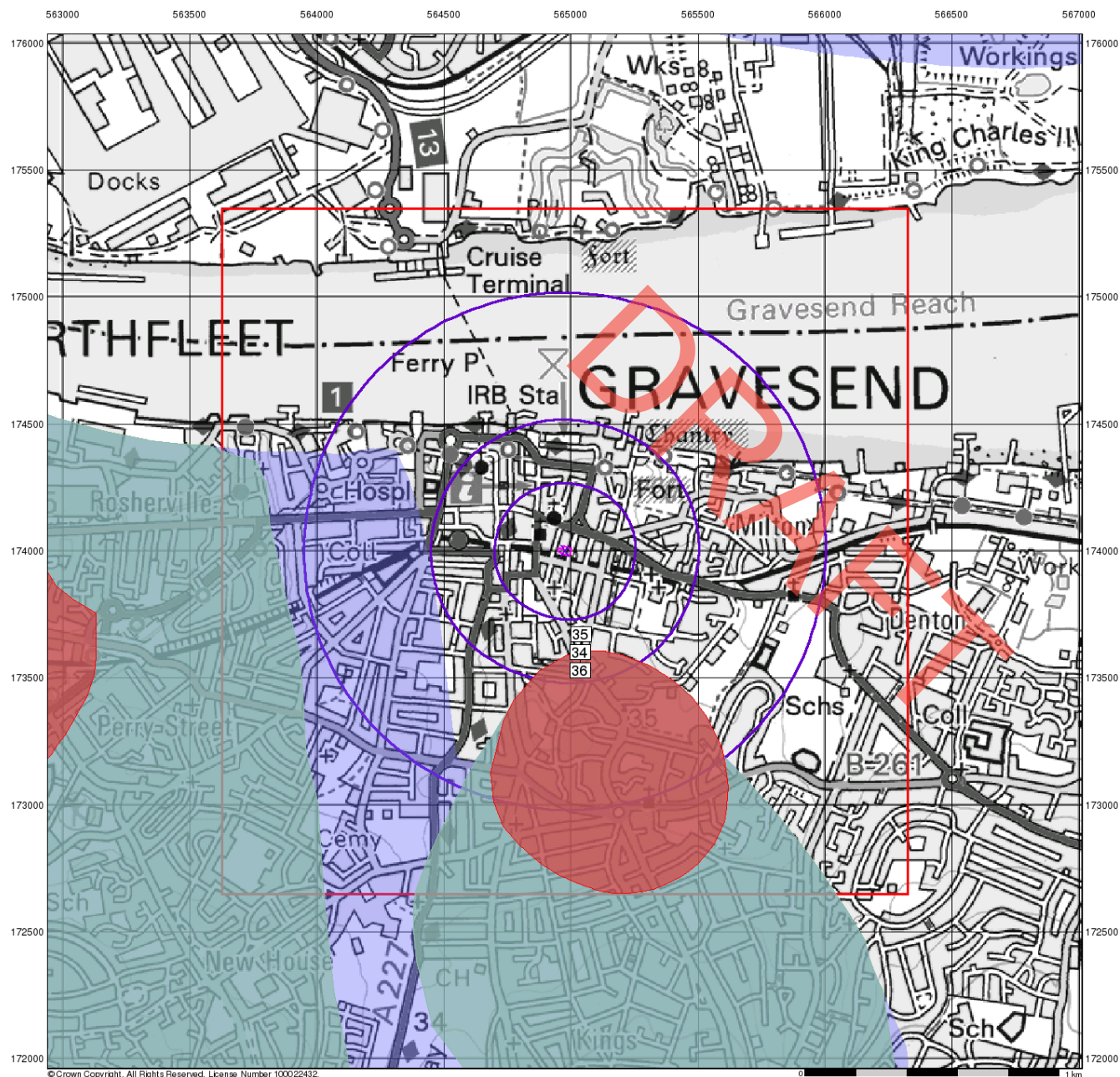
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Source Protection Zones

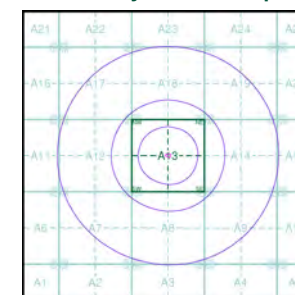
General

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

Site Sensitivity Context Map - Slice A



Order Details

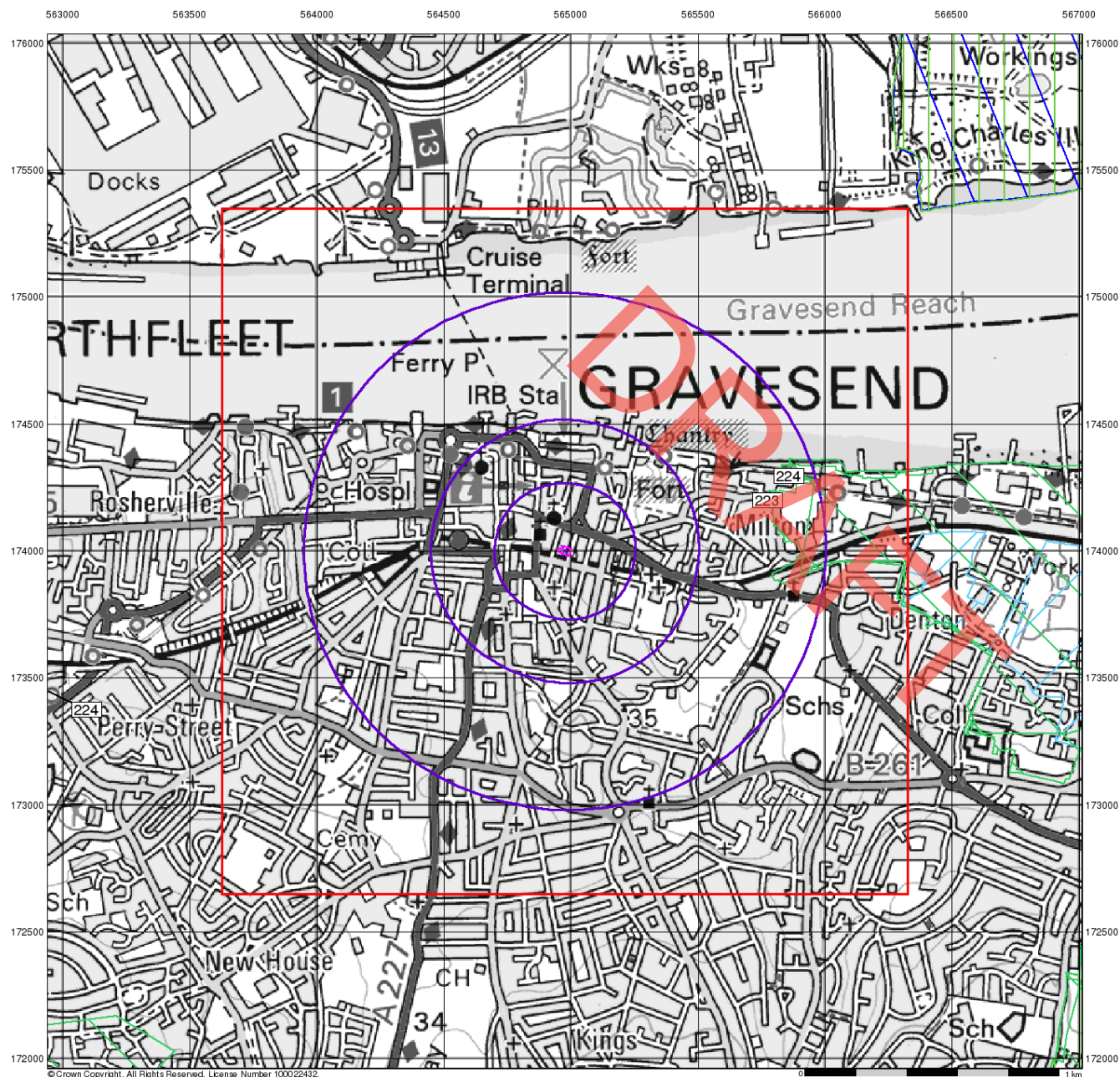
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Sensitive Land Uses

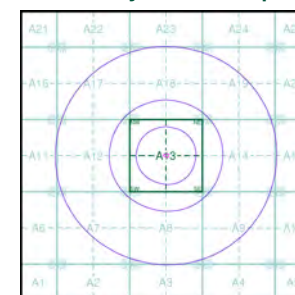
General

- 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

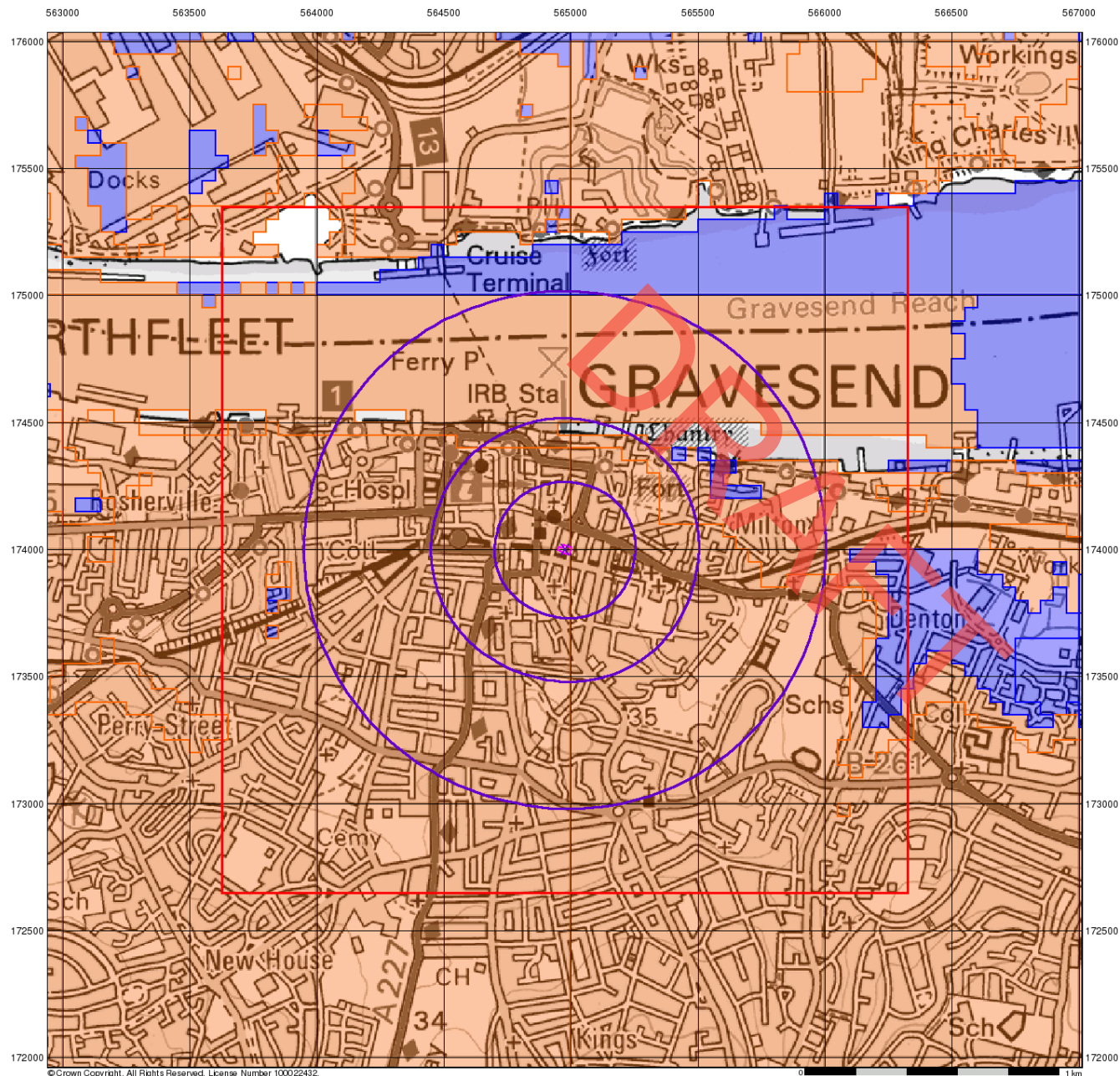
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 National Grid Reference: 564980, 174000
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 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

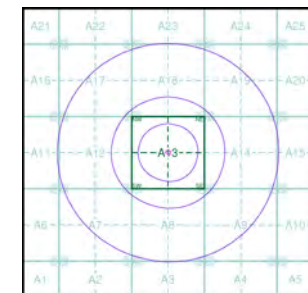
General

- Specified Site
- Specified Buffer(s)
- 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: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

357814499_1_1

Customer Reference:

4749

National Grid Reference:

564980, 174000

Slice:

A

Site Area (Ha):

0.13

Search Buffer (m):

1000

Site Details:

44-46, The Grove

GRAVESEND

DA12 1DF

Client Details:

Mr M Dean

Lustre Consulting Ltd

Units 42 & 43

The Joiners Shop

The Historic Dockyard

Chatham

Kent

ME4 4TZ

DRAFT

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	26
Hazardous Substances	28
Geological	29
Industrial Land Use	35
Sensitive Land Use	68
Data Currency	69
Data Suppliers	76
Useful Contacts	77

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				52
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 14				1
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 14		3		15
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 16			Yes	
Pollution Incidents to Controlled Waters	pg 17			3	8
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 18				2
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 19			1	1
Water Abstractions	pg 19				3 (*9)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 22	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 23	4	n/a	n/a	n/a
Groundwater Vulnerability - Local Information		2	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 23	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 23			3	
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 24				11

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 26			1	3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 26				2
Potentially Infilled Land (Water)	pg 27				3
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)	pg 28				1
Planning Hazardous Substance Consents	pg 28				2
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 29	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 29	Yes		Yes	Yes
BGS Recorded Mineral Sites	pg 30				7
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages	pg 31				Yes
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 32	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 32				5
Natural Cavities	pg 32			1	
Non Coal Mining Areas of Great Britain	pg 33	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 33	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 33	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 33		Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 33		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 34		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 34	Yes	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 35		86	39	112
Fuel Station Entries	pg 55		1		1
Points of Interest - Commercial Services	pg 55		22	12	24
Points of Interest - Education and Health	pg 60				7
Points of Interest - Manufacturing and Production	pg 60		14	1	37
Points of Interest - Public Infrastructure	pg 65		5	8	7
Points of Interest - Recreational and Environmental	pg 66			14	1
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 68				2
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	0	1	565000 173999
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (SE)	0	1	564977 173999
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	359	1	565350 174100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	383	1	564977 174400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	484	1	565000 174500
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: High St Gravesend Outside 70 Cso High Street Gravesend Kent Da11 0bh Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.1319 Permit Version: 3 Effective Date: 27th February 2017 Issued Date: 27th February 2017 Revocation Date: 30th March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: River Thames Estuary Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	519	2	564810 174510
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: High St Gravesend Outside 70 Cso High Street Gravesend Kent Da11 0bh Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.1319 Permit Version: 4 Effective Date: 31st March 2017 Issued Date: 27th February 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: River Thames Estuary Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	519	2	564810 174510
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: High St Gravesend Outside 70 Cso High Street Gravesend Kent Da11 0bh Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.1319 Permit Version: 1 Effective Date: 9th September 2005 Issued Date: 29th September 2005 Revocation Date: 12th April 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: River Thames Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	519	2	564810 174510

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: High St Gravesend Outside 70 Cso High Street Gravesend Kent Da11 0bh Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.1319 Permit Version: 2 Effective Date: 13th April 2006 Issued Date: 29th September 2005 Revocation Date: 26th February 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: River Thames Estuary Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	519	2	564810 174510
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Old Road West Gravesend Cso Old Road West Gravesend Kent Da11 0lw Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0008 Permit Version: 3 Effective Date: 23rd March 2017 Issued Date: 23rd March 2017 Revocation Date: 30th March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Singlewell Road Gravesend 123 Cso 132 Singlewell Road Gravesend Kent Da11 7pu Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0031 Permit Version: 3 Effective Date: 23rd March 2017 Issued Date: 23rd March 2017 Revocation Date: 30th March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Singlewell Road Gravesend 123 Cso 132 Singlewell Road Gravesend Kent Da11 7pu Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0031 Permit Version: 4 Effective Date: 31st March 2017 Issued Date: 23rd March 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Old Road West Gravesend Cso Old Road West Gravesend Kent Da11 0lw Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0008 Permit Version: 4 Effective Date: 31st March 2017 Issued Date: 23rd March 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cobham Street Gravesend Cso Cobham Street Gravesend Kent Da11 0sd Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0029 Permit Version: 4 Effective Date: 31st March 2017 Issued Date: 27th February 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cobham Street Gravesend Cso Cobham Street Gravesend Kent Da11 0sd Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0029 Permit Version: 3 Effective Date: 27th February 2017 Issued Date: 27th February 2017 Revocation Date: 30th March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cross Lane East Cso Cross Lane East Gravesend Kent Da12 5hd Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0011 Permit Version: 3 Effective Date: 27th February 2017 Issued Date: 27th February 2017 Revocation Date: 30th March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: River Thames - Tidal Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cross Lane East Cso Cross Lane East Gravesend Kent Da12 5hd Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0011 Permit Version: 4 Effective Date: 31st March 2017 Issued Date: 27th February 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: River Thames - Tidal Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Singlewell Road Gravesend 123 Cso 132 Singlewell Road Gravesend Kent Da11 7pu Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0031 Permit Version: 1 Effective Date: 6th September 1999 Issued Date: 28th May 1999 Revocation Date: 6th January 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Singlewell Road Gravesend 123 Cso 132 Singlewell Road Gravesend Kent Da11 7pu Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CASM.0031 Permit Version: 2 Effective Date: 7th January 2000 Issued Date: 28th May 1999 Revocation Date: 22nd March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cso Singlewell Road / Dennis Road Singlewell Road/Dennis Road, Singlewell Road, Gravesend, Kent Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0030 Permit Version: 1 Effective Date: 6th September 1999 Issued Date: 26th May 1999 Revocation Date: 6th January 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cso Singlewell Road / Dennis Road Singlewell Road/Dennis Road, Singlewell Road, Gravesend, Kent Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CASM.0030 Permit Version: 2 Effective Date: 7th January 2000 Issued Date: 26th May 1999 Revocation Date: 31st July 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Tidal River Thames Receiving Water: Tidal River Thames Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cobham Street Gravesend Cso Cobham Street Gravesend Kent Da11 0sd Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0029 Permit Version: 2 Effective Date: 7th January 2000 Issued Date: 10th May 1999 Revocation Date: 26th February 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Tidal River Thames Receiving Water: Tidal River Thames Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cobham Street Gravesend Cso Cobham Street Gravesend Kent Da11 0sd Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CASM.0029 Permit Version: 1 Effective Date: 6th September 1999 Issued Date: 10th May 1999 Revocation Date: 6th January 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Tidal River Thames Receiving Water: Tidal River Thames Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cross Lane East Cso Cross Lane East Gravesend Kent Da12 5hd Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0011 Permit Version: 1 Effective Date: 6th September 1999 Issued Date: 29th April 1999 Revocation Date: 6th January 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Tidal River Thames Receiving Water: Tidal River Thames Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cross Lane East Cso Cross Lane East Gravesend Kent Da12 5hd Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0011 Permit Version: 2 Effective Date: 7th January 2000 Issued Date: 29th April 1999 Revocation Date: 26th February 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: High Street, Gravesend, Kent, Gravesend, , Kent Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0010 Permit Version: 1 Effective Date: 6th September 1999 Issued Date: 26th April 1999 Revocation Date: 6th January 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tidal River Thames Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: High Street, Gravesend, Kent, Gravesend, , Kent Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0010 Permit Version: 2 Effective Date: 7th January 2000 Issued Date: 26th April 1999 Revocation Date: 5th April 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Old Road West Gravesend Cso Old Road West Gravesend Kent Da11 0lw Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0008 Permit Version: 2 Effective Date: 7th January 2000 Issued Date: 23rd April 1999 Revocation Date: 22nd March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Old Road West Gravesend Cso Old Road West Gravesend Kent Da11 0lw Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0008 Permit Version: 1 Effective Date: 6th September 1999 Issued Date: 23rd April 1999 Revocation Date: 6th January 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cross Lane West Gravesend Cso Cross Lane Gravesend Kent Da11 7py Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0005 Permit Version: 1 Effective Date: 6th September 1999 Issued Date: 16th April 1999 Revocation Date: 6th January 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tidal River Thames Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
1	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cross Lane West Gravesend Cso Cross Lane Gravesend Kent Da11 7py Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0005 Permit Version: 2 Effective Date: 7th January 2000 Issued Date: 16th April 1999 Revocation Date: 26th February 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	529	2	564810 174520
2	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Gordon Promenade Cso Gravesend, Gordon Promenade, Gravesend, Kent Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CSSB.0114 Permit Version: 1 Effective Date: 14th October 1987 Issued Date: 14th October 1987 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: River Thames(Tidal) Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	547	2	565380 174405

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Gordon Promenade Storm Overflow, Gravesend Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D00075 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	551	2	565380 174410
2	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milton Road Gravesend Cso Milton Road Gravesend Kent Da12 2rq Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0007 Permit Version: 3 Effective Date: 16th March 2017 Issued Date: 16th March 2017 Revocation Date: 30th March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Tidal River Thames Receiving Water: Tidal River Thames Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	565	2	565390 174420
2	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milton Road Gravesend Cso Milton Road Gravesend Kent Da12 2rq Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0007 Permit Version: 4 Effective Date: 31st March 2017 Issued Date: 16th March 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Tidal River Thames Receiving Water: Tidal River Thames Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	565	2	565390 174420
2	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milton Road Gravesend Cso Milton Road Gravesend Kent Da12 2rq Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0007 Permit Version: 1 Effective Date: 6th September 1999 Issued Date: 21st April 1999 Revocation Date: 6th January 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Tidal River Thames Receiving Water: Tidal River Thames Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	565	2	565390 174420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milton Road Gravesend Cso Milton Road Gravesend Kent Da12 2rq Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Casm.0007 Permit Version: 2 Effective Date: 7th January 2000 Issued Date: 21st April 1999 Revocation Date: 15th March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tidal River Thames Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	565	2	565390 174420
3	Discharge Consents Operator: Cegb Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Scientific Services Department, Suffolk Road, Gravesend, Kent Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctmr.0160 Permit Version: 1 Effective Date: 1st November 1978 Issued Date: 31st July 1974 Revocation Date: 27th September 1993 Discharge Type: Trade Discharges - Cooling Water Discharge: Saline Estuary Environment: Receiving Water: Thames Status: Authorisation revoked Positional Accuracy: Manually corrected supplier location	A14NW (E)	598	2	565600 174000
4	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Town Wharf Cso Gravesend, Town Wharf, Gravesend, Kent Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CSSB.0113 Permit Version: 1 Effective Date: 14th October 1987 Issued Date: 14th October 1987 Revocation Date: 31st August 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: River Thames(Tidal) Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	602	2	564570 174475
4	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Crawley Court Gravesend Cso West Street, Gravesend, -, Kent, Da11 0be Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: D00074 Permit Version: 2 Effective Date: 1st September 2017 Issued Date: 1st September 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Thames Estuary Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	606	2	564570 174480

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Town Wharf Cso Gravesend, Town Wharf, Gravesend, Kent Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Csb.0113 Permit Version: 2 Effective Date: 1st September 2017 Issued Date: 1st September 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: River Thames(Tidal) Receiving Water: River Thames(Tidal) Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	606	2	564570 174480
4	Discharge Consents Operator: Southern Water Services Ltd (K) Property Type: Sewerage Network - Sewers - Water Company Location: Town Wharf Overflow, Gravesend Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D00074 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	606	2	564570 174480
4	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Crawley Court Gravesend Cso West Street, Gravesend, -, Kent, Da11 0be Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: D00074 Permit Version: 1 Effective Date: 14th October 1987 Issued Date: 14th October 1987 Revocation Date: 31st August 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Thames Estuary Receiving Water: Thames Estuary Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	606	2	564570 174480
5	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Town Pier, Gravesend Cso Town Pier, Highstreet, Gravesend, Kent, Da11 0bs Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: D00076 Permit Version: 2 Effective Date: 1st September 2017 Issued Date: 1st September 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Thames Estuary Receiving Water: Thames Estuary Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	617	2	564520 174450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Southern Water Services Limited. + Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Town Pier, Gravesend Cso Town Pier, Highstreet, Gravesend, Kent, Da11 Obs Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: D00076 Permit Version: 2 Effective Date: 1st September 2017 Issued Date: 1st September 2017 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Saline Estuary Environment: Receiving Water: Thames Estuary Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	617	2	564520 174450
5	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Town Pier, Gravesend Cso Town Pier, Highstreet, Gravesend, Kent, Da11 Obs Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D00076 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 31st August 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	617	2	564520 174450
5	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Town Pier, Gravesend Cso Town Pier, Highstreet, Gravesend, Kent, Da11 Obs Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D00076 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 31st August 2017 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	617	2	564520 174450
5	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: High Street Cso - Town Pier High Street, Town Pier, Gravesend, Kent Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CSSB.0116 Permit Version: 1 Effective Date: 14th October 1987 Issued Date: 14th October 1987 Revocation Date: 1st January 1992 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: River Thames(Tidal) Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	617	2	564525 174455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: High Street Cso - Town Pier High Street, Town Pier, Gravesend, Kent Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CSSB.0115 Permit Version: 1 Effective Date: 14th October 1987 Issued Date: 14th October 1987 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: River Thames(Tidal) Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	617	2	564520 174450
5	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Town Pier Storm Overflow, High Street, Gravesend Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D00077 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	624	2	564520 174460
5	Discharge Consents Operator: Southern Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Town Pier Storm Overflow, High Street, Gravesend Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D00077 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	624	2	564520 174460
6	Discharge Consents Operator: The Selective Timber Co Ltd Property Type: WHOLESALE TRADE (NOT MOTOR VEHICLES) Location: Albion Wharf, Gravesend, Kent Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cplr.0069 Permit Version: 1 Effective Date: 14th September 1972 Issued Date: 14th September 1972 Revocation Date: 23rd December 1985 Discharge Type: Unknown Discharge: Saline Estuary Environment: Receiving Water: Thames Status: Authorisation revoked Positional Accuracy: Manually corrected supplier location	A19SW (NE)	699	2	565500 174500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Radacre Ltd. Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Canal Road Ind. Park, Gravesend, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P03509 Permit Version: 1 Effective Date: 19th March 1991 Issued Date: 19th March 1991 Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A14NE (E)	818	2	565820 174020
7	Discharge Consents Operator: Radacre Ltd. Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Canal Road Ind. Park, Gravesend, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P03509 Permit Version: 1 Effective Date: 19th March 1991 Issued Date: 19th March 1991 Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A14NE (E)	828	2	565830 174010
7	Discharge Consents Operator: Radacre Ltd. Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Canal Road Ind. Park, Gravesend, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P03509 Permit Version: 1 Effective Date: 19th March 1991 Issued Date: 19th March 1991 Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A14NE (E)	828	2	565830 174000
7	Discharge Consents Operator: Radacre Ltd. Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Canal Road Ind. Park, Gravesend, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P03509 Permit Version: 1 Effective Date: 19th March 1991 Issued Date: 19th March 1991 Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A14SE (E)	828	2	565830 173980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Radacre Ltd. Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Canal Road Ind. Park, Gravesend, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P03509 Permit Version: 1 Effective Date: 19th March 1991 Issued Date: 19th March 1991 Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A14SE (E)	828	2	565830 173990
8	Integrated Pollution Prevention And Control Name: Blue Circle Industries Plc Location: Northfleet Landfill, Northfleet Landfill Site, Thames Way West, Northfleet, GRAVESEND, Kent, DA11 8HF Authority: Environment Agency, Southern Region Permit Reference: Sp3935sp Original Permit Ref: Sp3935sp Effective Date: Not Supplied Status: Valid Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A12NW (W)	899	2	564091 174266
9	Local Authority Pollution Prevention and Controls Name: Clocktower Service Station Location: 139 Milton Road, GRAVESEND, Kent, DA12 2RQ Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP1/98/033 Dated: 11th January 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A13NE (E)	106	3	565108 174013
10	Local Authority Pollution Prevention and Controls Name: Dappers Dry Cleaners Location: 161 Parrock Street, Gravesend, Da12 1er Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP6/06/55 Dated: 12th September 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	125	3	564884 173890
11	Local Authority Pollution Prevention and Controls Name: Railway Dry Cleaners Location: 6 Railway Place, Gravesend, Da12 1ap Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP6/06/57 Dated: 20th September 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13NW (W)	218	3	564734 174031
12	Local Authority Pollution Prevention and Controls Name: Tropical Blinds Location: Unit 30A, Nuralite Site, Canal Road, HIGHAM, Kent, DA12 2HP Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: Pp6/01/047 Dated: 21st June 2001 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	636	3	565611 174194

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Local Authority Pollution Prevention and Controls Name: Lakeside Coachworks Location: Unit 27-30 Nuralite Site, Canal Road, HIGHAM, Kent, DA12 2HP Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: Pp6/99/045 Dated: 14th August 2000 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	636	3	565611 174194
13	Local Authority Pollution Prevention and Controls Name: Wrotham Road Motoring Centre Location: 119-131 Wrotham Road, Gravesend, Kent, DA11 0QP Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: Pp1/98/043 Dated: 19th March 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A7NE (SW)	659	3	564569 173458
14	Local Authority Pollution Prevention and Controls Name: Volumetric Concrete Ltd Location: Albion Parade, Gravesend, Da12 2rn Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP6/06/063 Dated: 6th February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Located by supplier to within 10m	A14NE (E)	830	3	565792 174265
15	Local Authority Pollution Prevention and Controls Name: Rj Maxwell & Son Ltd Location: The Whitehouse, Clifton Marine Parade, Imperial Business Park, GRAVESEND, Kent, DA11 0DY Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: Pp3/01/049 Dated: 22nd January 2002 Process Type: Local Authority Air Pollution Control Description: PG3/15 Mineral drying and roadstone coating processes Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	838	3	564240 174452
16	Local Authority Pollution Prevention and Controls Name: Lee Demolition Location: Brick Yard, 22a Norfolk Road, Gravesend, Kent, DA12 2RX Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP3/07/064 Dated: 1st July 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Permitted Positional Accuracy: Located by supplier to within 10m	A14SE (E)	874	3	565876 173978
16	Local Authority Pollution Prevention and Controls Name: Lee Demolition Location: The Brick Yard, Gravesham Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP3/07/064 Dated: 14th June 2007 Process Type: Local Authority Air Pollution Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation certificate surrendered by operator Positional Accuracy: Located by supplier to within 10m	A14SE (E)	874	3	565876 173978
16	Local Authority Pollution Prevention and Controls Name: Lee Demolition Location: The Brick Yard, 22a Norfolk Road, Gravesend, Kent, Da12 2rx Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP3/12/074 Dated: 16th February 2012 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation certificate surrendered by operator Positional Accuracy: Manually positioned to the address or location	A14SE (E)	878	3	565880 173990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Local Authority Pollution Prevention and Controls Name: Lee Demolition Location: The Brick Yard, 22a Norfolk Road, Gravesend, Kent, Da12 2rx Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP3/11/073 Dated: 22nd November 2011 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation certificate surrendered by operator Positional Accuracy: Manually positioned to the address or location	A14SE (E)	878	3	565880 173990
16	Local Authority Pollution Prevention and Controls Name: Lee Demolition Location: The Brick Yard, 22a Norfolk Road, Gravesend, Kent, Da12 2rx Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP3/11/071 Dated: 22nd November 2011 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation certificate surrendered by operator Positional Accuracy: Manually positioned to the address or location	A14SE (E)	878	3	565880 173990
16	Local Authority Pollution Prevention and Controls Name: Lee Demolition Location: The Brick Yard, 22a Norfolk Road, Gravesend, Kent, Da12 2rx Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP3/11/072 Dated: 22nd November 2011 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation certificate surrendered by operator Positional Accuracy: Manually positioned to the address or location	A14SE (E)	878	3	565880 173990
16	Local Authority Pollution Prevention and Controls Name: Lee Demolition Location: The Brick Yard, 22a Norfolk Road, Gravesend, Kent, Da12 2rx Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP3/11/070 Dated: 20th April 2011 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation certificate surrendered by operator Positional Accuracy: Manually positioned to the address or location	A14SE (E)	878	3	565880 173990
16	Local Authority Pollution Prevention and Controls Name: Lee Demolition Location: The Brick Yard, 22a Norfolk Road, Gravesend, Kent, Da12 2rx Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP3/11/069 Dated: 20th April 2011 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation certificate surrendered by operator Positional Accuracy: Manually positioned to the address or location	A14SE (E)	878	3	565880 173990
17	Local Authority Pollution Prevention and Controls Name: Asda Petrol Location: Thames Way, Gravesend, Da11 0dq Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP1/10/068 Dated: 1st July 2008 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	A12NW (W)	931	3	564048 174232
18	Local Authority Pollution Prevention and Controls Name: Tvf Thompson (Properties) Ltd Location: Imperial Business Estate, Thamesway Park, Gravesend Authority: Gravesham Borough Council, Environmental Health Department Permit Reference: PP3/92/008 Dated: 8th July 1993 Process Type: Local Authority Air Pollution Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation revoked Positional Accuracy: Manually positioned within the geographical locality	A17SW (W)	996	3	564030 174385
	Nearest Surface Water Feature	A18SW (N)	391	-	564938 174406

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: St Benedicts, GRAVESEND Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Fire water / Foam Note: Fire Chemical (Industrial); Miscellaneous Premises: Other Incident Date: 26th February 1994 Incident Reference: 93T364 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial Chemicals Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	328	2	564800 174300
20	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewage Treatment Works Location: Harmer Street, GRAVESEND Authority: Environment Agency, Southern Region Pollutant: Chemicals - Alkali Note: 5 Litres Sodium Hydrochloride In Drain Incident Date: 30th July 1998 Incident Reference: 197237 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	385	2	564700 174300
21	Pollution Incidents to Controlled Waters Property Type: Chemical industry Location: Armscoat, GRAVESEND Authority: Environment Agency, Southern Region Pollutant: Chemicals - Paints / Dyes Note: Spillage Of Basf Luconite Blue Incident Date: 5th November 1997 Incident Reference: 197016 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 (NE)	438	2	565200 174400
22	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: 36 Wingfield Road, GRAVESEND Authority: Environment Agency, Southern Region Pollutant: No Pollutant Note: Not Supplied Incident Date: 9th July 1999 Incident Reference: 2502 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Plant / Machinery Failure : Fire / Combustion Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	511	2	564700 173550
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: GRAVESEND Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 20th May 1991 Incident Reference: SE910120 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 (NE)	529	2	565200 174500
24	Pollution Incidents to Controlled Waters Property Type: Chemical industry Location: Thames Aluminium, Albion Terrace Authority: Environment Agency, Southern Region Pollutant: Chemicals - Unknown Note: Spillage Of Aluminium Sulphate Incident Date: 22nd December 1993 Incident Reference: 93T306 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial Chemicals Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	565	2	565550 174150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Pollution Incidents to Controlled Waters Property Type: Chemical industry Location: The Alley Stream, Albion Terrace, GRAVESEND Authority: Environment Agency, Southern Region Pollutant: Chemicals - Unknown Note: Aluminium Hydroxide Has Been Poured Into Incident Date: 26th June 1992 Incident Reference: 92T243 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial Chemicals Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	566	2	565500 174280
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Gravesend Canal Basin Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Other Note: Not Supplied Incident Date: 18th September 1996 Incident Reference: SE960496 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	A14NW (NE)	576	2	565500 174300
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: GRAVESEND Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 4th February 1993 Incident Reference: SE930026 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	A19SW (NE)	633	2	565500 174400
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: GRAVESEND Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 24th March 1990 Incident Reference: SE900081 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	785	2	565001 174801
28	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Grammar School For Boys, GRAVESEND Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Spillage Of Diesel Down Drain; Schools/Universities Incident Date: 29th November 1994 Incident Reference: 94T387 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	964	2	565800 173450
29	Registered Radioactive Substances Name: Magnox Electric Ltd Location: Canal Road, GRAVESEND, Kent, DA12 2RS Authority: Environment Agency, Southern Region Permit Reference: AD7591 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Unknown	A14NE (E)	689	2	565667 174193

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Registered Radioactive Substances Name: Magnox Electric Ltd Location: Canal Road, GRAVESEND, Kent, DA12 2RS Authority: Environment Agency, Southern Region Permit Reference: AD7605 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Unknown	A14NE (E)	691	2	565667 174198
30	Substantiated Pollution Incident Register Authority: Environment Agency - South East Region, Kent & South London Area Incident Date: 26th February 2003 Incident Reference: 139622 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Oils - Diesel (Including Agricultural)	A13SW (S)	319	2	564863 173685
31	Substantiated Pollution Incident Register Authority: Environment Agency - South East Region, Kent & South London Area Incident Date: 13th March 2006 Incident Reference: 383446 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals : Solvent Based	A8SE (S)	762	2	565050 173220
32	Water Abstractions Operator: Southern Water Services Ltd Licence Number: 9/40/01/0511/G Permit Version: 100 Location: Boreholes, Adits And Catchpits At Windmill Hill Ps Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct 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: N/A Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	713	2	565060 173270
33	Water Abstractions Operator: Southern Water Services Ltd Licence Number: 01/026 Permit Version: Not Supplied Location: Windmill Hill Ps, GRAVESEND Authority: Environment Agency, Southern Region Abstraction: Public Water Supply Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 7000 Yearly Rate (m3): 2562000 Details: H5 Chalk; Licence Status: Revoked; Lapsed Or Cancelled 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	A8SE (S)	779	2	565001 173201

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	Water Abstractions Operator: Southern Water Services Ltd Licence Number: 1/0511/A/G Permit Version: Not Supplied Location: Windmill Hill Pumping Station Authority: Environment Agency, Southern Region Abstraction: Sand And Gravel Washing Abstraction Type: Not Supplied Source: Pond or Lake Daily Rate (m3): 7000 Yearly Rate (m3): 2562000 Details: Additional Purpose: Public Water Supply 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	A8SE (S)	784	2	565006 173196
	Water Abstractions Operator: Innogy Plc Licence Number: 8/37/56/*T/0091 Permit Version: 1 Location: Intakes On River Thames Authority: Environment Agency, Anglian Region Abstraction: Production Of Energy: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25SW (NE)	1597	2	566020 175240
	Water Abstractions Operator: Shaws Laundries Limited Licence Number: 1/141 Permit Version: Not Supplied Location: Whitehill Road, GRAVESEND Authority: Environment Agency, Southern Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 210 Yearly Rate (m3): 33500 Details: Additional Purpose: Industrial Other 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	A4SW (S)	1612	2	565400 172420
	Water Abstractions Operator: Southern Water Services Ltd Licence Number: 9/40/01/0508/G Permit Version: 100 Location: Point 1, Borehole At Gravesend Sewage Works In Kent. Authority: Environment Agency, Southern Region Abstraction: Other Industrial/Commercial/Public Services: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1668	2	566670 174000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J Clubb Ltd Licence Number: 9/40/01/0498/G Permit Version: 101 Location: Point A, S Drift, Underground Gravel Strata (Thames Ballast) Authority: Environment Agency, Southern Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Formal Variation Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2024 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1928	2	566925 174152
	Water Abstractions Operator: J Clubb Ltd Licence Number: 9/40/01/0498/G Permit Version: 101 Location: Point A, S Drift, Underground Gravel Strata (Thames Ballast) Authority: Environment Agency, Southern Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Formal Variation Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th May 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1928	2	566925 174152
	Water Abstractions Operator: J Clubb Ltd Licence Number: 9/40/01/0498/G Permit Version: 100 Location: Point A, S Drift, Underground Gravel Strata (Thames Ballast) Authority: Environment Agency, Southern Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown Coloured Blue On Licence Map. 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	(E)	1928	2	566925 174152
	Water Abstractions Operator: J Clubb Ltd Licence Number: 9/40/01/0498/G Permit Version: 101 Location: Borehole B, Underground Strata River Terrace Gravels Authority: Environment Agency, Southern Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Formal Variation Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2024 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1932	2	566929 174152

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J Clubb Ltd Licence Number: 9/40/01/0498/G Permit Version: 100 Location: Point A, S Drift, Underground Gravel Strata (Thames Ballast) Authority: Environment Agency, Southern Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown Coloured Blue On Licence Map. 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 100m	(E)	1961	2	566960 174120
	Water Abstractions Operator: Kimberly-Clark Limited Licence Number: 9/40/01/0092/B/Gr Permit Version: 100 Location: Borehole 4, Crete Hall Road, Northfleet. Authority: Environment Agency, Southern Region Abstraction: Paper And Printing: 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: As Shown Coloured Blue On Licence Map. Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 1st July 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1986	2	562980 174260
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Medium	A13NE (SE)	0	4	564977 173999
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Medium	A13NE (E)	0	4	565000 173999

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: No Data	A13NE (E)	0	4	565000 174000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: No Data	A13NE (N)	0	4	564977 174000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	A13NE (SE)	0	4	564977 173999
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	A13NE (E)	0	4	565000 173999
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	A13NE (N)	0	4	564977 174000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	A13NE (E)	0	4	565000 174000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (SE)	0	4	564977 173999
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (E)	0	4	565000 173999
	Superficial Aquifer Designations No Data Available				
34	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A8NE (S)	383	2	565037 173599
35	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A8NE (S)	383	2	565041 173600
36	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A8NE (S)	383	2	565037 173599
	Extreme Flooding from Rivers or Sea without Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
37	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 42.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14NE (E)	699	5	565664 174235
38	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 22.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14NW (NE)	702	5	565643 174295
39	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 524.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Thames Catchment Name: Thames Primacy: 1	A18NW (N)	869	5	564914 174884
40	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 380.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	874	5	564817 174877
41	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 479.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Thames Catchment Name: Thames Primacy: 1	A18NW (N)	874	5	564817 174877
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: False Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14NE (E)	941	5	565929 174178
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 2	A14NE (E)	947	5	565947 174073
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14NE (E)	952	5	565940 174172

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 2	A14NE (E)	953	5	565944 174161
46	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 295.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A19NW (N)	966	5	565340 174914
47	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 159.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Thames Catchment Name: Thames Primacy: 1	A19NW (N)	966	5	565340 174914

DRAFT

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	Historical Landfill Sites Licence Holder: Not Supplied Location: Gravesend, Kent Name: Nine Elms Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19308 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7041 BGS Ref: Not Supplied Other Ref: GR7	A12SE (SW)	480	2	564580 173689
49	Historical Landfill Sites Licence Holder: Not Supplied Location: Gravesend, Kent Name: Asda Site Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19291 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7033 BGS Ref: Not Supplied Other Ref: GR15	A12NE (W)	673	2	564305 174194
50	Historical Landfill Sites Licence Holder: Not Supplied Location: Gravesend, Kent Name: Gas Works - Canal Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19292 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7031 BGS Ref: Not Supplied Other Ref: GR12	A14NE (E)	800	2	565797 174106
51	Historical Landfill Sites Licence Holder: Not Supplied Location: Gravesend, Kent Name: Woodfield Avenue Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19319 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7042 BGS Ref: Not Supplied Other Ref: GR8	A7SE (S)	927	2	564634 173122
	Local Authority Landfill Coverage Name: Gravesham Borough Council - Has no landfill data to supply		0	6	564977 173999
	Local Authority Landfill Coverage Name: Kent County Council - Had landfill data but passed it to the relevant environment agency		0	7	564977 173999
	Local Authority Landfill Coverage Name: Thurrock Unitary Council - Has supplied landfill data		727	8	564956 174744
52	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A12SW (W)	877	-	564081 173872

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A8SW (S)	890	-	564711 173134
54	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1869	A8SE (S)	753	-	564997 173227
55	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A8SE (S)	786	-	564977 173195
56	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A14NE (E)	799	-	565771 174227

DRAFT

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	Notification of Installations Handling Hazardous Substances (NIHHS) Name: Transco Location: Gravesend H S, Suffolk Road, GRAVESEND, Kent, DA12 2FW Status: Not Active Positional Accuracy: Manually positioned to the address or location	A14NE (E)	884	9	565885 174068
58	Planning Hazardous Substance Consents Name: British Gas Plc Location: Gravesend Gas Holder Station, Suffolk Road, GRAVESEND, Kent, DA12 2SW Authority: Gravesham Borough Council Application Ref: Gr/92/0645 Hazardous Substance: Part C, Flammable Substance (Not in Parts A&B), Gas or gases flammable in air, when held as a gas, where amount held is >= 15tonnes Maximum Quantity: 77.58 Application date: 30th October 1992 Decision: Deemed consent granted between June 1992 and November 1992Granted Positional Accuracy: Manually positioned to the address or location	A14NE (E)	852	6	565850 174099
59	Planning Hazardous Substance Consents Name: Transco Plc Location: Gravesend Gas Holder Station, Suffolk Road, Gravesend, Kent Authority: Gravesham Borough Council Application Ref: 20020581 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 39 Application date: 8th July 2002 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location	A14NE (E)	915	6	565915 174073

DRAFT

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13NE (SE)	0	1	564977 173999
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (SE)	0	1	564977 173999
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (N)	0	1	564977 174000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18SE (N)	483	1	564977 174500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (S)	535	1	564859 173463
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (S)	592	1	565044 173390
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NW (S)	617	1	564890 173372

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A8SE (S)	668	1	564983 173312
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A8SE (S)	669	1	565000 173311
60	BGS Recorded Mineral Sites Site Name: Clifton Road Chalk Mine Location: Gravesend, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 220380 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	627	1	564439 174369
61	BGS Recorded Mineral Sites Site Name: Northfleet Chalk Pit Location: Northfleet, Gravesend, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 131031 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A12NW (W)	691	1	564282 174179
62	BGS Recorded Mineral Sites Site Name: Northfleet Chalk Pit Location: Northfleet, Gravesend, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 131046 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A12SW (W)	922	1	564035 173877
63	BGS Recorded Mineral Sites Site Name: Gravesend Denehole Location: Gravesend, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 220785 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A8SW (S)	944	1	564816 173053

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	BGS Recorded Mineral Sites Site Name: Gravesend Denehole Location: Gravesend, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 220379 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A8SW (S)	955	1	564815 173042
64	BGS Recorded Mineral Sites Site Name: Milton Hall Road Denehole Location: Gravesend, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 220394 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	945	1	565709 173361
65	BGS Recorded Mineral Sites Site Name: Windmill Hill Brick Works Location: Gravesend, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 192538 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Head Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	994	1	564518 173100
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum Concentration: 1.00 mg/kg Arsenic Average Concentration: 17.00 mg/kg Arsenic Maximum Concentration: 161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 165.20 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 79.00 mg/kg Chromium Maximum Concentration: 2094.00 mg/kg Lead Minimum Concentration: 11.00 mg/kg Lead Average Concentration: 280.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 2.00 mg/kg Nickel Average Concentration: 28.00 mg/kg Nickel Maximum Concentration: 506.00 mg/kg	A18NW (N)	705	1	564800 174700
	Coal Mining Affected Areas In an area that might not be affected by coal mining				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (N)	0	-	564977 174000
	Man-Made Mining Cavities Easting: 564500 Northing: 174400 Distance: 597 Quadrant Reference: A17 Quadrant Reference: SE Bearing Ref: NW Cavity Type: Adit Entry Chalk Mines Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology No Details Detail:	A17SE (NW)	597	10	564500 174400
	Man-Made Mining Cavities Easting: 564900 Northing: 173200 Distance: 786 Quadrant Reference: A8 Quadrant Reference: SW Bearing Ref: S Cavity Type: Denehole:- vertical shaft having chambers at the base Commodity: Chalk Solid Geology Detail: Lambeth Group, Thanet Sand Formation, Upper Chalk Formation Superficial Geology No Details Detail:	A8SW (S)	786	10	564900 173200
	Man-Made Mining Cavities Easting: 564200 Northing: 174300 Distance: 806 Quadrant Reference: A12 Quadrant Reference: NW Bearing Ref: W Cavity Type: Historical Lime Kilns/Extensive Chalk Excavations-Potential Chalk Mining Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology Worked Ground Detail:	A12NW (W)	806	10	564200 174300
	Man-Made Mining Cavities Easting: 565600 Northing: 173340 Distance: 881 Quadrant Reference: A9 Quadrant Reference: NW Bearing Ref: SE Cavity Type: Bell pit Commodity: Chalk Solid Geology Detail: Thanet Sand Formation, Chalk Group Superficial Geology No Details Detail:	A9NW (SE)	881	10	565600 173340
	Man-Made Mining Cavities Easting: 564000 Northing: 174300 Distance: 996 Quadrant Reference: A12 Quadrant Reference: NW Bearing Ref: W Cavity Type: Historical Lime Works-Potential Chalk Mining Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology Worked Ground Detail:	A12NW (W)	996	10	564000 174300
	Natural Cavities Easting: 565000 Northing: 173700 Distance: 280 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: S Cavity Type: Solution Pipe x 20 Solid Geology Detail: Chalk Group, Thanet Sand Formation Superficial Geology No Details Detail:	A13SE (S)	280	10	565000 173700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	565000 173999
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	564977 173999
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	565000 173999
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	564977 173999
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	564977 173999
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	565000 173999
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	564977 173999
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	565000 173999
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	33	1	564987 174048
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	35	1	565000 174046
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	45	1	564969 173938
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	47	1	565000 173934
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	99	1	565100 174026
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	99	1	565102 174016
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	136	1	565124 173936
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	564977 173999
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	565000 173999
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	45	1	564969 173938
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	47	1	565000 173934
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	565000 173999
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	564977 173999

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	45	1	564969 173938
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	47	1	565000 173934
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	99	1	565102 174016
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	564977 173999
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	565000 173999
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	99	1	565102 174016
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	564977 173999
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	565000 173999
	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	A13NE (SE)	0	1	564977 173999
	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	A13NE (E)	0	1	565000 173999

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	Contemporary Trade Directory Entries Name: Electrolysis & Beauty Clinic Location: 50, The Grove, Gravesend, Kent, DA12 1DP Classification: Electrolysis Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	22	-	564989 174036
67	Contemporary Trade Directory Entries Name: Ted Clark Location: 6a Saddington St, Gravesend, Kent, DA12 1ED Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	48	-	564946 173944
67	Contemporary Trade Directory Entries Name: Clock Tower Car Sales Location: 69, Edwin Street, Gravesend, Kent, DA12 1EL Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	77	-	564936 173917
67	Contemporary Trade Directory Entries Name: Arch Autos Location: 39-41, The Grove, Gravesend, Kent, DA12 1DX Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	82	-	564963 173904
68	Contemporary Trade Directory Entries Name: Auto Cruse Location: 6a Saddington St, Gravesend, Kent, DA12 1ED Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	49	-	564936 173948
68	Contemporary Trade Directory Entries Name: Darren Cruse Car Sales Location: 2, Saddington Street, Gravesend, Kent, DA12 1ED Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	75	-	564899 173941
68	Contemporary Trade Directory Entries Name: Eric Bundock Location: 172, Parrock Street, Gravesend, Kent, DA12 1ER Classification: Jewellery Manufacturers & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	78	-	564891 173944
69	Contemporary Trade Directory Entries Name: Milton Laundry Care Location: 154a, Milton Road, Gravesend, DA12 2RG Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	63	-	564939 174071
69	Contemporary Trade Directory Entries Name: Alpha Mobile Recycling Services Ltd Location: 154-155a, Milton Road, Gravesend, Kent, DA12 2RG Classification: Recycling Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	66	-	564934 174073
70	Contemporary Trade Directory Entries Name: Sendex Location: 187 Parrock St, Gravesend, Kent, DA12 1EN Classification: Boxes & Cartons Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (W)	66	-	564890 174032
70	Contemporary Trade Directory Entries Name: P D C Copyprint Location: 187a, Parrock Street, Gravesend, Kent, DA12 1EN Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	67	-	564890 174033
70	Contemporary Trade Directory Entries Name: Apex One Business Services Ltd Location: 20, Manor Road, Gravesend, DA12 1AA Classification: Cargo Handling Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	95	-	564854 174008

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	Contemporary Trade Directory Entries Name: Rocha Print Location: 198, PARROCK STREET, GRAVESEND, DA12 1EW Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	104	-	564856 174048
70	Contemporary Trade Directory Entries Name: Benning Fashion Ltd Location: A, 197, Parrock Street, Gravesend, Kent, DA12 1EW Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	105	-	564858 174056
70	Contemporary Trade Directory Entries Name: Fromow Services Location: 197, Parrock Street, Gravesend, DA12 1EW Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	105	-	564858 174056
70	Contemporary Trade Directory Entries Name: The Press On The Green Location: Unit 1, The Courtyard 7a, Manor Road, Gravesend, DA12 1AA Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	130	-	564827 174043
70	Contemporary Trade Directory Entries Name: Diamond Direct Supplies Location: 3a, Manor Road, Gravesend, Kent, DA12 1AA Classification: Nuts, Bolts & Fixings Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	149	-	564809 174050
71	Contemporary Trade Directory Entries Name: B & A Cars Location: A, 95, Peacock Street, Gravesend, Kent, DA12 1EG Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	89	-	565038 173903
72	Contemporary Trade Directory Entries Name: Chas Norman Location: 169, Parrock Street, Gravesend, Kent, DA12 1ER Classification: Photographic Equipment Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	92	-	564888 173928
72	Contemporary Trade Directory Entries Name: Dappers Location: 161, Parrock Street, Gravesend, Kent, DA12 1ER Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	125	-	564884 173890
73	Contemporary Trade Directory Entries Name: Xtronics Ltd Location: 5, Berkley Crescent, Gravesend, Kent, DA12 2AH Classification: X-Ray Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	99	-	565013 174109
73	Contemporary Trade Directory Entries Name: At Your Service Location: 41, Harmer Street, Gravesend, Kent, DA12 2AP Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	116	-	565023 174124
74	Contemporary Trade Directory Entries Name: B P Service Station Location: 139, Milton Road, Gravesend, Kent, DA12 2RQ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	106	-	565108 174013
74	Contemporary Trade Directory Entries Name: Clocktower Service Station Location: 139, Milton Road, Gravesend, Kent, DA12 2RQ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	106	-	565108 174013

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	Contemporary Trade Directory Entries Name: Esso Location: 133-139 Milton Road, Gravesend, Kent, DA12 2RG Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	106	-	565108 174013
74	Contemporary Trade Directory Entries Name: United Carpet Cleaning Masters Location: 139c Milton Rd, Gravesend, Kent, DA12 2RG Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NE (E)	110	-	565112 174017
75	Contemporary Trade Directory Entries Name: L & M Motors Location: East Crescent Road, Gravesend, Kent, DA12 2AR Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	137	-	565078 174124
75	Contemporary Trade Directory Entries Name: Clock Tower Tyres Location: Bentley Street Industrial Estate, Bentley Street, Gravesend, DA12 2DH Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	151	-	565099 174126
75	Contemporary Trade Directory Entries Name: Happy Tyres Location: Unit 1,8 Bentley Street, Gravesend, Kent, DA12 2DH Classification: Tyre Dealers Status: Active Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	151	-	565099 174126
75	Contemporary Trade Directory Entries Name: Golden Motors M O T Station & Garage Location: Bentley Street, GRAVESEND, Kent, DA12 2DH Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	156	-	565103 174128
75	Contemporary Trade Directory Entries Name: Greyhound Autos Insurance Approved Repairers Location: 16-18, East Crescent Road, Gravesend, DA12 2AR Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	173	-	565096 174155
76	Contemporary Trade Directory Entries Name: Transmissions Services Location: Unit 1, Bentley Street Industrial Estate, Bentley Street, Gravesend, DA12 2DH Classification: Gearboxes Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	138	-	565122 174079
76	Contemporary Trade Directory Entries Name: Gravesend Transmission Services Kent Location: Unit 1, Bentley Street Industrial Estate, Bentley Street, Gravesend, Kent, DA12 2DH Classification: Gearboxes Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	139	-	565122 174079
76	Contemporary Trade Directory Entries Name: Turk H C Engineering Services Ltd Location: Unit 4a, Bentley Street Industrial Estate, Bentley Street, Gravesend, DA12 2DH Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	146	-	565134 174073
76	Contemporary Trade Directory Entries Name: The Dental Touch Location: Unit 3, Bentley Street Industrial Estate, Bentley Street, Gravesend, Kent, DA12 2DH Classification: Medical & Dental Laboratories Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	153	-	565127 174099

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	Contemporary Trade Directory Entries Name: Nutone Products Uk Location: 32, Harmer Street, Gravesend, Kent, DA12 2AX Classification: Vacuum Cleaners - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	151	-	565057 174150
77	Contemporary Trade Directory Entries Name: Nutone Products (Uk) Location: 32, Harmer Street, Gravesend, Kent, DA12 2AX Classification: Vacuum Cleaners - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	151	-	565057 174150
77	Contemporary Trade Directory Entries Name: Gorera Technical Services Ltd Location: 25, Harmer Street, Gravesend, Kent, DA12 2AP Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (N)	165	-	565037 174171
77	Contemporary Trade Directory Entries Name: Magic Duster Ltd Location: 26, Harmer Street, Gravesend, Kent, DA12 2AX Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	168	-	565063 174166
77	Contemporary Trade Directory Entries Name: Gillbusters Location: Suite B, Harmer House, 5, Harmer Street, Gravesend, Kent, DA12 2AP Classification: Vehicle Inspection Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A13NE (N)	187	-	565040 174193
77	Contemporary Trade Directory Entries Name: Euroguard Pest Control & Prevention Location: Suite G-h, Harmer House, Harmer Street, Gravesend, DA12 2AP Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	222	-	565040 174229
77	Contemporary Trade Directory Entries Name: C Shipping Ltd Location: Suite C, Harmer House, 7, Harmer Street, Gravesend, Kent, DA12 2AP Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	222	-	565040 174229
77	Contemporary Trade Directory Entries Name: C J Norman (Kent) Ltd Location: 3, Harmer Street, Gravesend, Kent, DA12 2AP Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	222	-	565040 174229
77	Contemporary Trade Directory Entries Name: Global Express Lines Uk Ltd Location: Suite D, Harmer House, 7, Harmer Street, Gravesend, Kent, DA12 2AP Classification: Cargo Handling Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	222	-	565040 174229
77	Contemporary Trade Directory Entries Name: Euroguard Technical Services Ltd Location: Suite B, Harmer House, 5, Harmer Street, Gravesend, DA12 2AP Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (N)	222	-	565040 174229
77	Contemporary Trade Directory Entries Name: Euroguard Pest Control Services Location: 5 Harmer St, Gravesend, Kent, DA12 2AP Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (N)	222	-	565040 174229
78	Contemporary Trade Directory Entries Name: A J Hill Electronics Ltd Location: 22, King Street, Gravesend, DA12 2DU Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	156	-	564846 174123

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	Contemporary Trade Directory Entries Name: On Target Location: 30, Peacock Street, Gravesend, Kent, DA12 1EF Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	165	-	565053 173826
80	Contemporary Trade Directory Entries Name: Versatile Fixings Ltd Location: Unit 2, Milton Road Business Park, Milton Road, Gravesend, DA12 2PG Classification: Nuts, Bolts & Fixings Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	169	-	565167 173969
80	Contemporary Trade Directory Entries Name: Tagore Fashions Location: Unit 1, Milton Road Business Park, Milton Road, Gravesend, Kent, DA12 2PG Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	169	-	565170 173984
80	Contemporary Trade Directory Entries Name: Health Service Associates Location: Unit 5, Milton Road Business Park, Milton Road, Gravesend, DA12 2PG Classification: Medical Equipment Maintenance & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	170	-	565160 173938
80	Contemporary Trade Directory Entries Name: Gbt Gravesend Budget Tyres Location: Unit 6a, Milton Road Business Park, Milton Rd, Gravesend, Kent, DA12 2PG Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (E)	171	-	565161 173938
80	Contemporary Trade Directory Entries Name: Knp Print Location: 128 Milton Rd, Gravesend, Kent, DA12 2PG Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (E)	188	-	565190 173992
81	Contemporary Trade Directory Entries Name: Sign Stop Location: 8, Queen Street, Gravesend, Kent, DA12 2EE Classification: T-Shirts Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	172	-	564894 174171
81	Contemporary Trade Directory Entries Name: Mad Sales Location: 16, Queen Street, Gravesend, Kent, DA12 2EE Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	185	-	564896 174186
81	Contemporary Trade Directory Entries Name: Promot Designs Location: 16, Queen Street, Gravesend, Kent, DA12 2EE Classification: T-Shirts Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	185	-	564896 174186
81	Contemporary Trade Directory Entries Name: A & S Location: 24 Queen St, Gravesend, Kent, DA12 2EE Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (N)	207	-	564916 174216
81	Contemporary Trade Directory Entries Name: A & S Wholesale Office Furniture Location: 24, Queen Street, Gravesend, Kent, DA12 2EE Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	208	-	564916 174216
81	Contemporary Trade Directory Entries Name: Rising Sun Japanese Car Spares Location: 3, Brewhouse Yard, Gravesend, Kent, DA12 2EJ Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	224	-	564860 174213

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	Contemporary Trade Directory Entries Name: Tri The Bike Shop Location: 18, Windmill Street, Gravesend, Kent, DA12 1AS Classification: Cycle Accessories, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	173	-	564776 173985
83	Contemporary Trade Directory Entries Name: Essentials 4 Pets Location: 3, Windmill Street, Gravesend, Kent, DA12 1AD Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	180	-	564783 174070
83	Contemporary Trade Directory Entries Name: Safeclean & Furniture Professionals Location: 172, Windmill Street, Gravesend, Kent, DA12 1AH Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	221	-	564750 174099
83	Contemporary Trade Directory Entries Name: Furniture Pro Location: 172, Windmill Street, Gravesend, Kent, DA12 1AH Classification: Furniture - Repairing & Restoring Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	221	-	564750 174099
83	Contemporary Trade Directory Entries Name: Amack Ltd Location: 172, Windmill Street, Gravesend, Kent, DA12 1AH Classification: Furniture - Repairing & Restoring Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	221	-	564750 174099
83	Contemporary Trade Directory Entries Name: Furniture Care Co Ltd Location: 172, Windmill Street, Gravesend, Kent, DA12 1AH Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	221	-	564750 174099
83	Contemporary Trade Directory Entries Name: E P Network Location: 10, Stone Street, GRAVESEND, Kent, DA11 0NH Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	225	-	564743 174092
83	Contemporary Trade Directory Entries Name: A & T Heating Services Location: 6, Stone Street, Gravesend, Kent, DA11 0NH Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	236	-	564743 174119
84	Contemporary Trade Directory Entries Name: Abaca Auto Electrics Location: Unit 7 Windmill Street, Gravesend, Kent, DA12 1AD Classification: Car Engine Tuning & Diagnostic Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	181	-	564776 174050
84	Contemporary Trade Directory Entries Name: Nationwide Crash Repair Centres Ltd Location: 167, Windmill Street, Gravesend, Kent, DA12 1AH Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	216	-	564747 174077
84	Contemporary Trade Directory Entries Name: Railway Dry Cleaners Location: 6, Railway Place, Gravesend, Kent, DA12 1AP Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	217	-	564735 174035
85	Contemporary Trade Directory Entries Name: Grove Autos Location: 23, The Grove, Gravesend, Kent, DA12 1DX Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	183	-	564943 173804

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	Contemporary Trade Directory Entries Name: B Battershill Location: 147, Parrock Street, Gravesend, Kent, DA12 1EY Classification: Jewellery Manufacturers & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	185	-	564918 173809
85	Contemporary Trade Directory Entries Name: E K P Ltd Location: 142-143, Parrock Street, Gravesend, Kent, DA12 1EY Classification: Builders' Tools & Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	202	-	564934 173788
85	Contemporary Trade Directory Entries Name: Alatar Logistics Group Ltd Location: 142-143, PARROCK STREET, GRAVESEND, DA12 1EY Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	207	-	564933 173782
86	Contemporary Trade Directory Entries Name: East Crescent Autos Location: East Crescent Road, Gravesend, Kent, DA12 2AR Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	191	-	565106 174169
86	Contemporary Trade Directory Entries Name: Gravesend Engineering Co Ltd Location: East Crescent Road, Gravesend, Kent, DA12 2AR Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	210	-	565110 174190
86	Contemporary Trade Directory Entries Name: Crescent Motors Location: East Crescent Road, Gravesend, Kent, DA12 2AR Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	210	-	565110 174190
86	Contemporary Trade Directory Entries Name: B C Tester Location: East Crescent Road, Gravesend, Kent, DA12 2AR Classification: Tool Design, Manufacturers & Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	210	-	565110 174190
86	Contemporary Trade Directory Entries Name: Tyrewright Location: East Crescent Road, Gravesend, Kent, DA12 2AR Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	210	-	565110 174190
86	Contemporary Trade Directory Entries Name: L A Roberts Location: L A Roberts, East Crescent Road, Gravesend, DA12 2AR Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	211	-	565107 174192
86	Contemporary Trade Directory Entries Name: Fizzers Paints Location: 22-23, East Crescent Road, Gravesend, Kent, DA12 2AR Classification: Painting & Decorating Supplies Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	249	-	565115 174231
87	Contemporary Trade Directory Entries Name: Appledore Packaging Ltd Location: 8, Milton Place, GRAVESEND, Kent, DA12 2BT Classification: Boxes & Cartons Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	196	-	565174 174103
88	Contemporary Trade Directory Entries Name: A Brighter Clean Location: Waterman House, 1, Lord Street, Gravesend, DA12 1AW Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	201	-	564775 173895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	Contemporary Trade Directory Entries Name: Gravesend Fantastic Cleaners Location: 7, King Street, Gravesend, Kent, DA12 2EB Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	225	-	564811 174184
89	Contemporary Trade Directory Entries Name: Gravesend Cleaners Location: 7, King Street, Gravesend, Kent, DA12 2EB Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	225	-	564811 174184
90	Contemporary Trade Directory Entries Name: L Papa & Sons Location: 34, Queen Street, Gravesend, DA12 2EE Classification: Ice Cream Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	235	-	564924 174247
91	Contemporary Trade Directory Entries Name: Wilkinsons Location: 11-16, Thamesgate Shopping Centre, Gravesend, Kent, DA11 0AU Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	258	-	564705 174081
91	Contemporary Trade Directory Entries Name: Mitsui Babcock Energy Services Location: 42, Stone Street, Gravesend, Kent, DA11 0NL Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	291	-	564685 174127
91	Contemporary Trade Directory Entries Name: Brighthouse Location: 5-6, Thamesgate Shopping Centre, Gravesend, DA11 0AU Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	305	-	564659 174090
92	Contemporary Trade Directory Entries Name: Arriva Travel Location: 2, Clive Road, Gravesend, Kent, DA11 0RS Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	290	-	564665 174057
93	Contemporary Trade Directory Entries Name: Acc Shipping Ltd Location: ACC House, 43, The Terrace, Gravesend, Kent, DA12 2BJ Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	301	-	565098 174295
94	Contemporary Trade Directory Entries Name: Wheelie Good Mobility Location: Old Town Hall, High St, Gravesend, Kent, DA11 0AZ Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	315	-	564777 174271
94	Contemporary Trade Directory Entries Name: Millbank Refrigeration Location: 18, High Street, Gravesend, Kent, DA11 0BA Classification: Refrigerators & Freezers - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	354	-	564780 174319
94	Contemporary Trade Directory Entries Name: Yellow Rose Professional Cosmetics Uk Location: 60-61 High Street, Gravesend, Kent, DA11 0BB Classification: Cosmetic Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	354	-	564744 174296
95	Contemporary Trade Directory Entries Name: Hrs Gravesend Location: Milton House, 114, Milton Road, Gravesend, Kent, DA12 2PF Classification: Car Radiator Servicing & Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SW (E)	365	-	565349 173892

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	Contemporary Trade Directory Entries Name: Currys Digital Location: 24, Wakefield Street, St. Georges Centre, Gravesend, Kent, DA11 0TD Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	372	-	564631 174198
96	Contemporary Trade Directory Entries Name: Currys Location: 35-36, Kempthorne Street, St. Georges Centre, Gravesend, Kent, DA11 0TA Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	406	-	564608 174225
97	Contemporary Trade Directory Entries Name: U Cargo Llp Location: Third Floor, Windmill House, Windmill Street, Gravesend, DA12 1BL Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	376	-	564734 173688
97	Contemporary Trade Directory Entries Name: Ringtel Communications Location: 120b, Windmill Street, Gravesend, Kent, DA12 1BL Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	407	-	564736 173650
98	Contemporary Trade Directory Entries Name: Pilot Stations Location: Royal Pier Rd, Gravesend, Kent, DA12 2BD Classification: Ports, Docks & Harbours Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SE (N)	376	-	564991 174392
99	Contemporary Trade Directory Entries Name: Heating & Plumbing Solutions Location: 2, Victoria Avenue, Gravesend, Kent, DA12 1BU Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	381	-	564693 173714
100	Contemporary Trade Directory Entries Name: K Fashions (UK) Ltd Location: 34 Princes St, Gravesend, Kent, DA11 0DN Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	388	-	564723 174322
101	Contemporary Trade Directory Entries Name: Venesta Location: 19-20, Kempthorne Street, St. Georges Centre, Gravesend, DA11 0TA Classification: Bathroom Fixtures - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	391	-	564659 174268
102	Contemporary Trade Directory Entries Name: Pilot Station Location: London River Ho, Royal Pier Rd, Gravesend, Kent, DA12 2BD Classification: Ports, Docks & Harbours Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SE (N)	391	-	565058 174398
102	Contemporary Trade Directory Entries Name: Port Of London Authority Location: London River House, Royal Pier Road, Gravesend, Kent, DA12 2BG Classification: Ports, Docks & Harbours Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	424	-	565092 174424
102	Contemporary Trade Directory Entries Name: Port Of London Authority Location: London River House, Royal Pier Road, Gravesend, Kent, DA12 2BG Classification: Ports, Docks & Harbours Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	424	-	565092 174424
103	Contemporary Trade Directory Entries Name: Economy Drive Car Hire Location: 8-9, High Street, Gravesend, Kent, DA11 0BQ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	409	-	564783 174382

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	Contemporary Trade Directory Entries Name: K P C Location: 76, High Street, Gravesend, Kent, DA11 0BH Classification: Pumps - Sales, Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	414	-	564754 174373
103	Contemporary Trade Directory Entries Name: New Pier Framing Gallery Location: A, 77, High Street, Gravesend, Kent, DA11 0BH Classification: Picture & Picture Frame Renovating & Restoring Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	423	-	564754 174384
103	Contemporary Trade Directory Entries Name: P E P S Photographic Alterations Ltd Location: Heritage House, 79-80, High Street, Gravesend, Kent, DA11 0BH Classification: Photographic Processors Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	432	-	564753 174393
103	Contemporary Trade Directory Entries Name: Car Broker Location: Heritage House, 79-80, High Street, Gravesend, Kent, DA11 0BH Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	433	-	564753 174393
103	Contemporary Trade Directory Entries Name: Y M S Location: Unit 15 Heritage House, 79-80 High St, Gravesend, Kent, DA11 0BH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	437	-	564752 174398
103	Contemporary Trade Directory Entries Name: Formgraphics Ltd Location: 82, High Street, GRAVESEND, Kent, DA11 0BH Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	446	-	564758 174412
103	Contemporary Trade Directory Entries Name: The Office Centre Location: 82, High Street, Gravesend, Kent, DA11 0BH Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	446	-	564758 174412
104	Contemporary Trade Directory Entries Name: Klick Location: 42, Kempthorne Street, St. Georges Centre, Gravesend, Kent, DA11 0TA Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	412	-	564579 174184
105	Contemporary Trade Directory Entries Name: Car & Van Body Repairs Location: 41, Wrotham Road, Gravesend, Kent, DA11 0PN Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	426	-	564628 173717
105	Contemporary Trade Directory Entries Name: Clutch Clinic Location: 41a, Wrotham Road, Gravesend, Kent, DA11 0PN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	426	-	564628 173717
105	Contemporary Trade Directory Entries Name: Gravesend Clutch Clinic Location: A, 43, Wrotham Road, Gravesend, Kent, DA11 0PN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	432	-	564623 173712
105	Contemporary Trade Directory Entries Name: Orange Computers Location: 43, Wrotham Road, Gravesend, Kent, DA11 0PN Classification: Computer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	432	-	564623 173712

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	Contemporary Trade Directory Entries Name: Freeland Electrical Location: 45, Wrotham Road, Gravesend, Kent, DA11 0PN Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	433	-	564627 173707
106	Contemporary Trade Directory Entries Name: Aw Commercial Location: 5, Barrack Row, Gravesend, Kent, DA11 0RT Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (W)	443	-	564516 174091
106	Contemporary Trade Directory Entries Name: Cars Select Location: 4-5, Barrack Row, Gravesend, Kent, DA11 0RT Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	448	-	564511 174091
107	Contemporary Trade Directory Entries Name: Designer Accessories Ltd Location: 109a, Milton Road, Gravesend, Kent, DA12 2PF Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	452	-	565432 173866
108	Contemporary Trade Directory Entries Name: B S K Plumbing & Heating Services Location: 29, Alanbrooke, Gravesend, Kent, DA12 1NA Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	488	-	565446 173794
109	Contemporary Trade Directory Entries Name: Mare'S Autos Ltd Location: FLAT 26, MELBOURNE QUAYS, WEST STREET, GRAVESEND, DA11 0BX Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	495	-	564709 174441
110	Contemporary Trade Directory Entries Name: Eurostar Laundrycare Location: 27, Darnley Road, Gravesend, Kent, DA11 0RZ Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	501	-	564451 173947
110	Contemporary Trade Directory Entries Name: J M V Cars Location: 31A, DARNLEY ROAD, GRAVESEND, DA11 0SD Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	521	-	564436 173905
111	Contemporary Trade Directory Entries Name: Start To Finish (Builders Merchants) Ltd Location: 67-69, Wrotham Road, Gravesend, Kent, DA11 0QD Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	509	-	564587 173639
112	Contemporary Trade Directory Entries Name: Gravesham Community Hospital Location: Bath Street, Gravesend, Kent, DA11 0DG Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	512	-	564493 174235
113	Contemporary Trade Directory Entries Name: Treadwell Location: 1, St. James's Road, Gravesend, Kent, DA11 0HF Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	521	-	564429 174027
114	Contemporary Trade Directory Entries Name: Jewels Tours Location: 56, New Road, Gravesend, Kent, DA11 0AD Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	524	-	564452 174163

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	Contemporary Trade Directory Entries Name: Alcan Chemicals Europe Water Treatment Location: Albion Terr, Gravesend, Kent, DA12 2SJ Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	529	-	565526 174086
116	Contemporary Trade Directory Entries Name: Bodytech Location: Unit 2-3 Clifton Slipways, West St, Gravesend, Kent, DA11 0BW Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	530	-	564627 174428
117	Contemporary Trade Directory Entries Name: Intercal Location: 99, Windmill Street, Gravesend, Kent, DA12 1LE Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	568	-	564741 173466
117	Contemporary Trade Directory Entries Name: Noonan Custom & Vintage Drums Location: 97a, Windmill Street, Gravesend, Kent, DA12 1LE Classification: Musical Instrument - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	591	-	564736 173443
118	Contemporary Trade Directory Entries Name: A B C Car Repairs Location: 45, Darnley Road, Gravesend, Kent, DA11 0SD Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	571	-	564404 173827
118	Contemporary Trade Directory Entries Name: Care Automobile Repair Ltd Location: 45 Darnley Road, Gravesend, Kent, DA11 0SD Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	572	-	564403 173827
119	Contemporary Trade Directory Entries Name: Computertel Ltd Location: 52, Bath Street, GRAVESEND, Kent, DA11 0DF Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	581	-	564526 174404
119	Contemporary Trade Directory Entries Name: Autumn Engineering Co Ltd Location: 58, Bath Street, Gravesend, Kent, DA11 0DF Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	581	-	564526 174404
119	Contemporary Trade Directory Entries Name: R W Transport Ltd Location: 56, Bath Street, Gravesend, Kent, DA11 0DF Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	581	-	564526 174404
120	Contemporary Trade Directory Entries Name: Dukey'S Carpet Upholstery Cleaners Location: 38, Alanbrooke, Gravesend, Kent, DA12 1NA Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	585	-	565555 173809
121	Contemporary Trade Directory Entries Name: Watling Tyre Service Ltd Location: 1-3, Pelham Road, Gravesend, Kent, DA11 0HN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	588	-	564361 173968
121	Contemporary Trade Directory Entries Name: Motorcade Location: 1-3, Pelham Road, Gravesend, Kent, DA11 0HN Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	588	-	564361 173968

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	Contemporary Trade Directory Entries Name: Car Select Of Northfleet Location: 1-3, Pelham Road, Gravesend, Kent, DA11 0HN Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	588	-	564361 173968
121	Contemporary Trade Directory Entries Name: Watling Tyres Location: 1-3, Pelham Road, Gravesend, Kent, DA11 0HN Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	588	-	564361 173968
121	Contemporary Trade Directory Entries Name: Watling Tyre Service Ltd Location: 1-3, PELHAM ROAD, GRAVESEND, DA11 0HN Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	589	-	564361 173967
121	Contemporary Trade Directory Entries Name: Watling Tyres Location: 1-3, PELHAM ROAD, GRAVESEND, DA11 0HN Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	589	-	564361 173967
122	Contemporary Trade Directory Entries Name: Costech Elite Location: 1, Overcliffe, Gravesend, Kent, DA11 0EF Classification: Medical & Dental Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	589	-	564390 174186
122	Contemporary Trade Directory Entries Name: Dental Serve.Net Location: 1, Overcliffe, Gravesend, Kent, DA11 0EF Classification: Medical & Dental Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	589	-	564390 174186
123	Contemporary Trade Directory Entries Name: Discount Builders Merchants Location: Stuart Road, Gravesend, Kent, DA11 0BY Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	610	-	564393 174254
123	Contemporary Trade Directory Entries Name: Bfh Group Ltd Location: Suite 1, Lindfield House, Stuart Road, Gravesend, Kent, DA11 0BZ Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	615	-	564399 174277
123	Contemporary Trade Directory Entries Name: Sterile Technologies Group Location: Lingfield House, Stuart Rd, Gravesend, Kent, DA11 0BZ Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	615	-	564398 174276
123	Contemporary Trade Directory Entries Name: Sterile Technologies Location: Lingfield House, Stuart Rd, Gravesend, Kent, DA11 0BZ Classification: Medical Waste Disposal Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	615	-	564398 174276
124	Contemporary Trade Directory Entries Name: Wolefag Enterprises Ltd Location: 1, Millers Terrace, Shrubbery Road, Gravesend, Kent, DA12 1JW Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	614	-	564983 173366
125	Contemporary Trade Directory Entries Name: L B Construction Location: 96, Armoury Drive, Gravesend, Kent, DA12 1NB Classification: Concrete Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	617	-	565346 173473

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	Contemporary Trade Directory Entries Name: Wrotham Road Body Repairs Location: 115-117, Wrotham Road, Gravesend, Kent, DA11 0QP Classification: Car Customisation & Conversion Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	636	-	564574 173483
127	Contemporary Trade Directory Entries Name: Ilics Ltd Location: 6 Overcliffe, Gravesend, Kent, DA11 0HJ Classification: Industrial Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	655	-	564305 174115
127	Contemporary Trade Directory Entries Name: I I C S Ltd Location: Ground Floor Front 6, St James House, 6-8, Overcliffe, Gravesend, DA11 0HJ Classification: Industrial Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (W)	655	-	564305 174115
127	Contemporary Trade Directory Entries Name: Cablon Machinery Ltd Location: St. James House, 6-8, Overcliffe, Gravesend, Kent, DA11 0EF Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (W)	655	-	564305 174115
128	Contemporary Trade Directory Entries Name: T Peters Roofing Location: Canal Road Industrial Estate, Canal Rd, Gravesend, Kent, DA12 2RS Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	663	-	565639 174196
128	Contemporary Trade Directory Entries Name: Kent International Transport Ltd Location: Canal Road, Gravesend, Kent, DA12 2RS Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	685	-	565664 174184
129	Contemporary Trade Directory Entries Name: Elyon Pest Control Location: 1, Suffolk Road, Gravesend, Kent, DA12 2SW Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	670	-	565666 174102
130	Contemporary Trade Directory Entries Name: Mr Beta Garage Services Location: Nine Elms Grove, Gravesend, Kent, DA11 0QR Classification: Car Breakdown & Recovery Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	685	-	564372 173627
130	Contemporary Trade Directory Entries Name: Mr Beta Garage Services Location: Trafalgar Road, Gravesend, Kent, DA11 0PX Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	703	-	564376 173589
131	Contemporary Trade Directory Entries Name: John Beeney Location: 40, Norfolk Road, Gravesend, Kent, DA12 2RX Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	701	-	565704 173996
132	Contemporary Trade Directory Entries Name: Lay Construction Location: Clifton Slipway, West St, Gravesend, Kent, DA11 0BW Classification: Boatbuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	705	-	564396 174442
133	Contemporary Trade Directory Entries Name: John Laffan Location: Laffans Yard, Suffolk Road, Gravesend, Kent, DA12 2SN Classification: Concrete Reinforcements Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A14NE (E)	717	-	565718 174055

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	Contemporary Trade Directory Entries Name: Homeclean Dartford & Medway Location: 5, Essex Road, Gravesend, DA11 0SL Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	718	-	564538 173408
135	Contemporary Trade Directory Entries Name: Allscaff Location: Former Campbell Works, Albion Parade, Gravesend, DA12 2RN Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (NE)	719	-	565656 174309
135	Contemporary Trade Directory Entries Name: D F Auto Services Location: Lock Entrance Works, Albion Parade, Gravesend, DA12 2RR Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (NE)	719	-	565656 174309
135	Contemporary Trade Directory Entries Name: South East Nut & Bolt Ltd Location: Lock Entrance Works, Albion Parade, Gravesend, DA12 2RR Classification: Nuts, Bolts & Fixings Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (NE)	719	-	565656 174309
135	Contemporary Trade Directory Entries Name: E M Salvage Location: Lock Entrance Works, Albion Parade, Gravesend, DA12 2RR Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (NE)	719	-	565656 174309
135	Contemporary Trade Directory Entries Name: E A & H Sandford Lifting Ltd Location: Lock Entrance Works, Albion Parade, Gravesend, Kent, DA12 2RR Classification: Lifting Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (NE)	720	-	565657 174310
135	Contemporary Trade Directory Entries Name: South East Nut & Bolt Location: Lock Entrance Works, Albion Parade, Gravesend, Kent, DA12 2RR Classification: Nuts, Bolts & Fixings Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (NE)	720	-	565657 174310
135	Contemporary Trade Directory Entries Name: South East Nut & Bolt Location: Albion Pde, Gravesend, Kent, DA12 2RR Classification: Nuts, Bolts & Fixings Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (NE)	742	-	565684 174304
135	Contemporary Trade Directory Entries Name: The Friction Workshop Ltd Location: Albion Parade, Gravesend, Kent, DA12 2RN Classification: Brake & Clutch Manufacturers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A14NE (E)	743	-	565693 174285
136	Contemporary Trade Directory Entries Name: Asda Petrol Location: Imperial Retail Park, Thames Way, Gravesend, Kent, DA11 0DQ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	734	-	564258 174248
137	Contemporary Trade Directory Entries Name: Wickes Gravesend Location: Stuart Road, Gravesend, Kent, DA11 0BZ Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (NW)	744	-	564283 174334
138	Contemporary Trade Directory Entries Name: The Fireplace Ltd Location: Flat, 117a, Darnley Road, Gravesend, Kent, DA11 0SH Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	764	-	564337 173539

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
139	Contemporary Trade Directory Entries Name: A M Trans Location: Flat 78, Fiskard Court, Admirals Way, Gravesend, Kent, DA12 2AW Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	764	-	565754 174148
140	Contemporary Trade Directory Entries Name: Crimson Wing Repair Centre Location: Albion Parade, Gravesend, Kent, DA12 2RN Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NE (E)	799	-	565759 174265
140	Contemporary Trade Directory Entries Name: M & S Autobody Repairs Location: Albion Parade, Gravesend, Kent, DA12 2RW Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	799	-	565748 174297
140	Contemporary Trade Directory Entries Name: Riverside Shotblasting Co Ltd Location: Albion Pde, Gravesend, Kent, DA12 2RN Classification: Blast Cleaning Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	803	-	565752 174297
140	Contemporary Trade Directory Entries Name: Elm Plant Location: Albion Pde, Denton Road/, Gravesend, Kent, DA12 2RN Classification: Oil Fuel Distributors Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	805	-	565754 174298
140	Contemporary Trade Directory Entries Name: Luke'S Tyres Location: ALBION PARADE, GRAVESEND, DA12 2RN Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	807	-	565767 174268
140	Contemporary Trade Directory Entries Name: Saward Tipping Services Ltd Location: Unit 10a, Albion Pde, Gravesend, Kent, DA12 2RN Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	812	-	565762 174296
140	Contemporary Trade Directory Entries Name: M & B Woodworkers Location: Albion Pde, Gravesend, Kent, DA12 2RN Classification: Wood Products, Except Furniture - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	833	-	565786 174292
141	Contemporary Trade Directory Entries Name: J S L Auto Tech Location: Albion Parade, Gravesend, Kent, DA12 2RN Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	812	-	565780 174242
141	Contemporary Trade Directory Entries Name: Diesel Engines Location: Canal Basin, 22 Albion Pde, Gravesend, Kent, DA12 2RN Classification: Engine Rebuilding & Reconditioning Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	819	-	565788 174241
141	Contemporary Trade Directory Entries Name: R P Cars & Commercial Location: Canal Basin, Albion Parade, Gravesend, DA12 2RN Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	829	-	565792 174262
141	Contemporary Trade Directory Entries Name: New Era Location: Albion Parade, GRAVESEND, Kent, DA12 2RN Classification: Oil Companies Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	848	-	565823 174223

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	Contemporary Trade Directory Entries Name: L P Formwork Location: Unit 10 Albion Parade, Gravesend, Kent, DA12 2RN Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	854	-	565817 174265
141	Contemporary Trade Directory Entries Name: Crimson Wing Repair Centre Location: Albion Parade, Gravesend, Kent, DA12 2RN Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	854	-	565817 174265
142	Contemporary Trade Directory Entries Name: G & M Motors Location: 85, Milton Road, Gravesend, Kent, DA12 2PP Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	816	-	565801 173844
143	Contemporary Trade Directory Entries Name: N B Tool Services Location: Unit 13, Canal Industrial Park, Canal Road, Gravesend, Kent, DA12 2PA Classification: Plant & Machinery Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	821	-	565824 173998
143	Contemporary Trade Directory Entries Name: A B Seals Ltd Location: Unit 15, Canal Industrial Park, Canal Road, Gravesend, Kent, DA12 2PA Classification: Seal & Joint Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	827	-	565829 173984
143	Contemporary Trade Directory Entries Name: Precise (Sheet Metal) Ltd Location: Unit 6/7, Canal Industrial Park, Canal Road, Gravesend, Kent, DA12 2PA Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A14SE (E)	841	-	565843 173997
143	Contemporary Trade Directory Entries Name: Thames Hose & Couplings Ltd Location: Unit 1-2, Canal Industrial Park, Canal Road, Gravesend, DA12 2PA Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	857	-	565859 174018
143	Contemporary Trade Directory Entries Name: Norfolk Road M O T Centre Location: Unit 6-8, Canal Industrial Park, Canal Road, Gravesend, DA12 2PA Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	859	-	565861 173990
143	Contemporary Trade Directory Entries Name: Gravesend Sound & Lighting Location: Unit 3, Canal Industrial Park, Canal Road, Gravesend, Kent, DA12 2PA Classification: Lighting Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	860	-	565862 174009
143	Contemporary Trade Directory Entries Name: Gravesend Sound & Lighting Location: Unit 3, Canal Industrial Park, Canal Road, Gravesend, DA12 2PA Classification: Lighting Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	860	-	565862 174009
143	Contemporary Trade Directory Entries Name: T S Autos Location: Unit 9, Canal Industrial Park, Canal Road, Gravesend, Kent, DA12 2PA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	862	-	565864 173971
143	Contemporary Trade Directory Entries Name: H M C Fleet Maintenance Centre Location: Unit 9, Canal Industrial Park, Canal Road, Gravesend, Kent, DA12 2PA Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	862	-	565864 173971

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Contemporary Trade Directory Entries Name: H Y - Scaff Scaffolding Services Location: Yard 5 Nuralite Industrial Centre, Canal Road, Higham, Rochester, Kent, ME3 7JA Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	865	-	565866 173966
143	Contemporary Trade Directory Entries Name: R D S Roadsport Ltd Location: Unit 6a Nuralite Industrial Centre, Canal Road, Higham, Rochester, Kent, ME3 7JA Classification: Car Body Repairs Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	865	-	565866 173966
143	Contemporary Trade Directory Entries Name: Mr Fibre Glass Location: Unit 33m Nuralite Industrial Centre, Canal Road, Higham, Rochester, Kent, ME3 7JA Classification: Glass Fibre Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	865	-	565866 173966
143	Contemporary Trade Directory Entries Name: M L Motorsport Location: Unit 19 Nuralite Industrial Centre, Canal Road, Higham, Rochester, Kent, ME3 7JA Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	865	-	565866 173966
144	Contemporary Trade Directory Entries Name: R P Car & Commercial Location: Canal Basin Office, Albion Parade, Gravesend, Kent, DA12 2RW Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	822	-	565807 174180
145	Contemporary Trade Directory Entries Name: Garri-On-The-Rocks Location: Flat 18, Baltic Wharf, Clifton Marine Parade, Gravesend, DA11 0DD Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	829	-	564264 174471
145	Contemporary Trade Directory Entries Name: C Crawley Ltd Location: Baltic Wharf, Clifton Marine Pde, Gravesend, Kent, DA11 0DY Classification: Ship Builders, Repairs & Fittings Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	829	-	564264 174471
145	Contemporary Trade Directory Entries Name: Appledore Packaging Ltd Location: The White Ho, Clifton Marine Pde, Gravesend, Kent, DA11 0DY Classification: Boxes & Cartons Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	836	-	564244 174454
145	Contemporary Trade Directory Entries Name: Fleet Lifting Location: The White House, Clifton Marine Parade, Gravesend, Kent, DA11 0DY Classification: Crane Hire, Sales & Service Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A17SW (NW)	840	-	564240 174454
145	Contemporary Trade Directory Entries Name: Comet Group Plc Location: Unit B, Imperial Retail Park, Thames Way, Gravesend, Kent, DA11 0DQ Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	850	-	564211 174425
145	Contemporary Trade Directory Entries Name: Comet Group Plc Location: Unit B, Imperial Retail Park, Thames Way, Gravesend, Kent, DA11 0DQ Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	850	-	564211 174425

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	Contemporary Trade Directory Entries Name: Comet Location: Unit B, Imperial Retail Park, Thames Way, Gravesend, Kent, DA11 0DQ Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	850	-	564211 174425
146	Contemporary Trade Directory Entries Name: Mobile Caretaker Services Location: 19, Raphael Road, Gravesend, Kent, DA12 2PN Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	876	-	565871 173899
147	Contemporary Trade Directory Entries Name: Mackey Bowley International Ltd Location: Norfolk Road, Gravesend, Kent, DA12 2PT Classification: Hydraulic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	882	-	565885 174033
147	Contemporary Trade Directory Entries Name: K T M Meats Ltd Location: Norfolk Road, GRAVESEND, Kent, DA12 2PS Classification: Meat - Wholesale Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	931	-	565934 174027
147	Contemporary Trade Directory Entries Name: G E Hydrafab Ltd Location: Norfolk Road, Gravesend, DA12 2PS Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	931	-	565933 174022
148	Contemporary Trade Directory Entries Name: North Fleet Construction Ltd Location: 1, Old Road East, Gravesend, Kent, DA12 1NJ Classification: Concrete Contractors Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SW (S)	883	-	564831 173113
149	Contemporary Trade Directory Entries Name: Spectrum Surveillance Ltd Location: 112-118, Wrotham Road, Gravesend, Kent, DA11 0QH Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	886	-	564561 173199
149	Contemporary Trade Directory Entries Name: 1st Direct Supplies Ltd Location: 112, Wrotham Road, Gravesend, Kent, DA11 0QH Classification: Fasteners & Fixing Devices Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	886	-	564561 173199
149	Contemporary Trade Directory Entries Name: T R M Location: 40, Old Road West, Gravesend, Kent, DA11 0LJ Classification: Meat - Wholesale Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	913	-	564547 173176
150	Contemporary Trade Directory Entries Name: Johnson Location: Care Of Asda, Imperial Retail Pk, Thames Way, Gravesend, Kent, DA11 0DQ Classification: Dry Cleaners Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	891	-	564149 174394
151	Contemporary Trade Directory Entries Name: Allscaff Gb Location: Canal Basin, Albion Parade, Gravesend, Kent, DA12 2RN Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	916	-	565882 174269
151	Contemporary Trade Directory Entries Name: Mac Transport Co Location: Albion Parade, GRAVESEND, Kent, DA12 2RN Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	916	-	565881 174269

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	Contemporary Trade Directory Entries Name: King Lifting Ltd Location: Canal Basin, Albion Parade, Gravesend, Kent, DA12 2RN Classification: Crane Hire, Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	917	-	565892 174231
152	Contemporary Trade Directory Entries Name: Nationwide Location: Flat 1, 26, Overcliffe, Gravesend, Kent, DA11 0EH Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NW (W)	921	-	564033 174096
153	Contemporary Trade Directory Entries Name: Godways Cleaning & Support Services Ltd Location: 47, KENT ROAD, GRAVESEND, DA11 0SZ Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	930	-	564363 173274
154	Contemporary Trade Directory Entries Name: Db Recovery Location: 56, Glen View, Gravesend, Kent, DA12 1LP Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	944	-	565097 173042
155	Contemporary Trade Directory Entries Name: W J King Garages Ltd Location: 40, Overcliffe, Gravesend, DA11 0EJ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	969	-	563993 174157
155	Contemporary Trade Directory Entries Name: W J King Location: 40, Overcliffe, Gravesend, Kent, DA11 0EJ Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned to the address or location	A12NW (W)	969	-	563993 174157
156	Contemporary Trade Directory Entries Name: Ferol (Uk) Location: Unit 4,Imperial Business Est,East Mill, Gravesend, Kent, DA11 0DP Classification: Engineering Machine Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17SW (W)	978	-	564032 174342
157	Contemporary Trade Directory Entries Name: Star Service Stations Location: 68, Pelham Road, Gravesend, Kent, DA11 0JB Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	988	-	564054 173579
158	Contemporary Trade Directory Entries Name: Gaslec Installations Ltd Location: 5, East Milton Road, Gravesend, Kent, DA12 2JL Classification: Gas Appliances - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	992	-	565973 173806
159	Contemporary Trade Directory Entries Name: Claires Cabinets Location: 33, Pine Avenue, Gravesend, Kent, DA12 1QY Classification: Jewellery Manufacturers & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (SE)	993	-	565680 173262
160	Contemporary Trade Directory Entries Name: Leading Edge Packaging Ltd Location: Unit H1 East Mill,Imperial Business Park, Gravesend, Kent, DA11 0DG Classification: Boxes & Cartons Status: Active Positional Accuracy: Manually positioned to the address or location	A12NW (W)	993	-	564000 174291

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	Fuel Station Entries Name: Mfg Clocktower Location: 139, Milton Road Wellington Street, , Gravesend, Kent, DA12 2RG Brand: Esso Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A13NE (E)	106	-	565108 174013
162	Fuel Station Entries Name: Asda Gravesend Automat Location: Thames Way , , Gravesend, Kent, DA11 0DQ Brand: Asda Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A12NW (W)	938	-	564041 174231
163	Points of Interest - Commercial Services Name: Arch Autos Location: 39 The Grove, Gravesend, DA12 1DX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (S)	82	11	564963 173904
163	Points of Interest - Commercial Services Name: Arch Autos Location: 39-41 The Grove, Gravesend, DA12 1DX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (S)	82	11	564963 173904
163	Points of Interest - Commercial Services Name: Peacock Garage Location: 95a Peacock Street, Gravesend, DA12 1EG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	89	11	565038 173903
163	Points of Interest - Commercial Services Name: Peacock's Garage Services Location: 95 Peacock Street, Gravesend, DA12 1EG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	95	11	565038 173896
163	Points of Interest - Commercial Services Name: Ted Clark MOT Centre Location: 28 Edwin Street, Gravesend, DA12 1EL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	96	11	564904 173912
164	Points of Interest - Commercial Services Name: Apex One Business Services Ltd Location: 20 Manor Road, Gravesend, DA12 1AA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NW (W)	96	11	564854 174008
164	Points of Interest - Commercial Services Name: Glas Weld Systems (UK) Ltd Location: 196 Parrock Street, Gravesend, DA12 1EW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	110	11	564856 174062
164	Points of Interest - Commercial Services Name: Abaca Auto Electrics Location: 7 Windmill Street, Gravesend, DA12 1AD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (W)	181	11	564776 174050
165	Points of Interest - Commercial Services Name: Essential Valeting (Mobile) Location: 11 Milton Road, Gravesend, DA12 2RE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13NW (N)	96	11	564952 174111

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
166	Points of Interest - Commercial Services Name: Golden Motors M O T Station & Garage Location: 8 Bentley Street, Gravesend, DA12 2DH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	151	11	565099 174126
166	Points of Interest - Commercial Services Name: Tower Tyres Location: Bentley Street Industrial Estate, Bentley Street, Gravesend, DA12 2DH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	151	11	565099 174126
166	Points of Interest - Commercial Services Name: Greyhound Autos Insurance Approved Repairers Location: 18 East Crescent Road, Gravesend, DA12 2AR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	166	11	565093 174148
166	Points of Interest - Commercial Services Name: L & M Motors Location: 1 East Crescent Road, Gravesend, DA12 2AR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	171	11	565079 174162
166	Points of Interest - Commercial Services Name: Greyhound Autos Location: 16-18 East Crescent Road, Gravesend, DA12 2AR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	174	11	565096 174156
166	Points of Interest - Commercial Services Name: East Crescent Motors Location: East Crescent Road, Gravesend, DA12 2AR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	191	11	565106 174169
166	Points of Interest - Commercial Services Name: Crescent Motors Ltd Location: East Crescent Road, Gravesend, DA12 2AR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	191	11	565106 174169
166	Points of Interest - Commercial Services Name: Crescent Motors Location: East Crescent Road, Gravesend, DA12 2AR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	210	11	565110 174190
167	Points of Interest - Commercial Services Name: Essential Valeting Location: Unit 11 Milton Road Business Park, Milton Road, Gravesend, DA12 2PG Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SE (E)	203	11	565194 173939
168	Points of Interest - Commercial Services Name: Alatar Logistics Group Ltd Location: 142-143 Parrock Street, Gravesend, DA12 1EY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SW (S)	208	11	564932 173782
169	Points of Interest - Commercial Services Name: Nationwide Crash Repair Centres Ltd Location: 167 Windmill Street, Gravesend, DA12 1AH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (W)	216	11	564747 174077
170	Points of Interest - Commercial Services Name: Euroguard Technical Services Ltd Location: Suite B Harmer House 5, Harmer Street, Gravesend, DA12 2AP Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A13NE (N)	222	11	565040 174229

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	Points of Interest - Commercial Services Name: Euroguard Pest Control Location: Suite G-H Harmer House, Harmer Street, Gravesend, DA12 2AP Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A13NE (N)	222	11	565040 174229
170	Points of Interest - Commercial Services Name: ACC Shipping Ltd Location: ACC House 43, The Terrace, Gravesend, DA12 2BJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (N)	301	11	565098 174295
170	Points of Interest - Commercial Services Name: A C C (Shipping) Ltd Location: Acc House 43, The Terrace, Gravesend, DA12 2BJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (N)	301	11	565098 174295
170	Points of Interest - Commercial Services Name: A C C Worldwide Location: Acc House 43, The Terrace, Gravesend, DA12 2BJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (N)	303	11	565099 174296
170	Points of Interest - Commercial Services Name: W E Cox Claims Group Location: Cox House 47, The Terrace, Gravesend, DA12 2DL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (NE)	313	11	565159 174281
171	Points of Interest - Commercial Services Name: Euroguard Technical Services Ltd Location: Windmill House 127-130, Windmill Street, Gravesend, DA12 1BL Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A13SW (SW)	369	11	564734 173697
171	Points of Interest - Commercial Services Name: Euroguard Technical Services Ltd Location: Windmill House 127-130, Windmill Street, Gravesend, DA12 1BL Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A13SW (SW)	369	11	564734 173697
171	Points of Interest - Commercial Services Name: U Cargo LLP Location: Third Floor Windmill House, Windmill Street, Gravesend, DA12 1BL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SW (SW)	376	11	564734 173688
171	Points of Interest - Commercial Services Name: Connect Steel Ltd Location: Windmill House 127-130, Windmill Street, Gravesend, DA12 1BL Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A13SW (SW)	376	11	564734 173689
172	Points of Interest - Commercial Services Name: A W Commercials Location: 5a Barrack Row, Gravesend, DA11 0RT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (W)	421	11	564534 174068
173	Points of Interest - Commercial Services Name: Millennium Auto Glazing Location: 36 White Hart Yard, High Street, Gravesend, DA11 0WH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (NW)	428	11	564723 174371
173	Points of Interest - Commercial Services Name: Millennium Auto Glazing Location: 36 White Hart Yard, High Street, Gravesend, DA11 0WH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (NW)	428	11	564723 174371

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
174	Points of Interest - Commercial Services Name: Clutch Clinic Location: 41a Wrotham Road, Gravesend, DA11 0PN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	446	11	564597 173722
175	Points of Interest - Commercial Services Name: T W Mobile Mechanic Location: 2 Belle Vue Place, Shrubbery Road, Gravesend, DA12 1JW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	561	11	565056 173422
176	Points of Interest - Commercial Services Name: Care Automobile Repair Ltd Location: 45 Darnley Road, Gravesend, DA11 0SD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (W)	572	11	564403 173827
177	Points of Interest - Commercial Services Name: R W Transport Ltd Location: 56 Bath Street, Gravesend, DA11 0DF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SE (NW)	581	11	564525 174404
178	Points of Interest - Commercial Services Name: Watling Tyre Service Ltd Location: 1-3 Pelham Road, Gravesend, DA11 0HN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (W)	588	11	564361 173968
179	Points of Interest - Commercial Services Name: Wrotham Road Body Repairs Location: 115-117 Wrotham Road, Gravesend, Kent, DA11 0QP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	630	11	564586 173482
180	Points of Interest - Commercial Services Name: Mr Beta Garage Location: Nine Elms Grove, Gravesend, DA11 0QR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	685	11	564372 173627
181	Points of Interest - Commercial Services Name: John Beeney Location: 40 Norfolk Road, Gravesend, DA12 2RX Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A14SE (E)	701	11	565704 173996
181	Points of Interest - Commercial Services Name: The M O T Centre Location: 12-15 Norfolk Road, Gravesend, DA12 2RX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	713	11	565713 173953
182	Points of Interest - Commercial Services Name: E M Salvage Location: Lock Entrance Works, Albion Parade, Gravesend, DA12 2RR Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A14NE (NE)	715	11	565651 174310
182	Points of Interest - Commercial Services Name: D F Auto Services Location: Lock Entrance Works, Albion Parade, Gravesend, DA12 Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (NE)	715	11	565651 174310
183	Points of Interest - Commercial Services Name: A M Trans Location: Flat 78 Fisgard Court, Admirals Way, Gravesend, DA12 2AW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (E)	764	11	565754 174148

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	Points of Interest - Commercial Services Name: A & M Transport Ltd Location: Flat 78 Fiscard Court, Admirals Way, Gravesend, DA12 2AW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (E)	764	11	565754 174148
184	Points of Interest - Commercial Services Name: Crimson Wing Repair Centre Location: Albion Parade, Gravesend, DA12 2RN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	803	11	565765 174261
184	Points of Interest - Commercial Services Name: R P Car & Commercial Location: Canal Basin Office, Albion Parade, Gravesend, DA12 2RW Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A14NE (E)	822	11	565807 174180
184	Points of Interest - Commercial Services Name: D F Auto Services Location: Albion Parade, Gravesend, DA12 2RW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	829	11	565792 174262
184	Points of Interest - Commercial Services Name: J S L Auto Tech Location: Albion Parade, Gravesend, DA12 2RN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	841	11	565808 174252
185	Points of Interest - Commercial Services Name: G & M Motors Location: 85 Milton Road, Gravesend, DA12 2PP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	816	11	565801 173844
185	Points of Interest - Commercial Services Name: G & M Motors Location: 85 Milton Road, Gravesend, DA12 2PP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	816	11	565801 173844
186	Points of Interest - Commercial Services Name: Norfolk Road M O T Centre Location: Units 6-7 Canal Industrial Park, Canal Road, Gravesend, DA12 2PA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	859	11	565861 173990
186	Points of Interest - Commercial Services Name: T S Autos Location: Unit 9 Canal Industrial Park, Canal Road, Gravesend, DA12 2PA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	861	11	565863 173971
186	Points of Interest - Commercial Services Name: T S Autos Location: Unit 9 Canal Industrial Park, Canal Road, Gravesend, DA12 2PA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	862	11	565864 173971
186	Points of Interest - Commercial Services Name: H M C Fleet Maintenance Centre Location: Unit 9 Canal Industrial Park, Canal Road, Gravesend, DA12 2PA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	862	11	565864 173971
187	Points of Interest - Commercial Services Name: Mac Transport Co Location: Albion Parade, Gravesend, DA12 2RN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (E)	916	11	565881 174269

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
188	Points of Interest - Commercial Services Name: W J King Garages Ltd Location: 40 Overcliffe, Gravesend, DA11 0EJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	969	11	563993 174157
189	Points of Interest - Education and Health Name: Gravesham Community Hospital Location: Bath Street, Gravesend, DA11 0DG Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	502	11	564502 174231
189	Points of Interest - Education and Health Name: Gravesham Community Hospital Location: Bath Street, Gravesend, DA11 0DG Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	503	11	564501 174231
189	Points of Interest - Education and Health Name: Gravesham Community Hospital Location: Bath Street, Gravesend, DA11 0DG Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	512	11	564492 174234
189	Points of Interest - Education and Health Name: Health Administration Building Location: Bath Street, Gravesend, DA11 0DG Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	512	11	564493 174235
189	Points of Interest - Education and Health Name: Gravesham Community Hospital Location: Bath Street, Gravesend, DA11 0DG Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	512	11	564493 174235
189	Points of Interest - Education and Health Name: Gravesham Community Hospital Location: Bath Street, Gravesend, DA11 0DG Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	512	11	564493 174235
189	Points of Interest - Education and Health Name: Gravesham Community Hospital Location: Bath Street, Gravesend, DA11 0DG Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	512	11	564493 174235
190	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	A13SE (E)	95	11	565096 173996
190	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	98	11	565099 173996
190	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	A13SE (SE)	105	11	565094 173945
191	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	A13NE (NE)	128	11	565082 174110

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	128	11	565082 174110
191	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	A13NE (NE)	131	11	565104 174092
191	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	131	11	565104 174092
191	Points of Interest - Manufacturing and Production Name: Bentley Street Industrial Estate Location: DA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	156	11	565138 174087
191	Points of Interest - Manufacturing and Production Name: Bentley Street Industrial Estate Location: DA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	159	11	565139 174091
192	Points of Interest - Manufacturing and Production Name: Milton Road Business Park Location: DA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	185	11	565183 173971
192	Points of Interest - Manufacturing and Production Name: Milton Road Business Park Location: DA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	188	11	565186 173967
193	Points of Interest - Manufacturing and Production Name: Waterman House Location: Waterman House 1, Lord Street, Gravesend, DA12 1AW Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A13SW (SW)	201	11	564775 173895
194	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	A13NE (NE)	204	11	565107 174185
194	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	204	11	565107 174185
195	Points of Interest - Manufacturing and Production Name: Tank Location: DA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	445	11	564517 174102
196	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	A14NW (E)	504	11	565493 174123

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
196	Points of Interest - Manufacturing and Production Name: Tanks Location: DA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	530	11	565522 174114
196	Points of Interest - Manufacturing and Production Name: Tank Location: DA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	532	11	565521 174128
196	Points of Interest - Manufacturing and Production Name: Tanks Location: DA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	563	11	565550 174139
196	Points of Interest - Manufacturing and Production Name: Tank Location: DA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	572	11	565565 174115
197	Points of Interest - Manufacturing and Production Name: Joynes House Location: Joynes House, New Road, Gravesend, DA11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A12NE (W)	536	11	564426 174114
198	Points of Interest - Manufacturing and Production Name: Tank Location: DA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	590	11	565569 174174
199	Points of Interest - Manufacturing and Production Name: Tank Location: DA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	666	11	564294 173874
200	Points of Interest - Manufacturing and Production Name: Tank Location: DA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	707	11	565709 174034
201	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	A14NE (NE)	737	11	565669 174323
201	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (NE)	737	11	565669 174324
201	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	A14NE (E)	770	11	565724 174279
201	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	771	11	565724 174280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
201	Points of Interest - Manufacturing and Production Name: Tank Location: DA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (NE)	778	11	565713 174326
201	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	A14NE (NE)	804	11	565738 174335
201	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (NE)	804	11	565738 174335
201	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	A14NE (E)	805	11	565762 174276
201	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	805	11	565762 174276
202	Points of Interest - Manufacturing and Production Name: Tank Location: DA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	761	11	565055 173221
203	Points of Interest - Manufacturing and Production Name: Executive Marble Polishing Location: 19 The Avenue, Gravesend, DA11 0NA Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A12SW (SW)	762	11	564256 173679
203	Points of Interest - Manufacturing and Production Name: Executive Bath Marble Polishing Ltd Location: 19 The Avenue, Gravesend, DA11 0NA Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A12SW (SW)	762	11	564256 173679
204	Points of Interest - Manufacturing and Production Name: Canal Road Industrial Park Location: DA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	839	11	565841 173989
204	Points of Interest - Manufacturing and Production Name: Canal Road Industrial Park Location: DA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	840	11	565842 173988
204	Points of Interest - Manufacturing and Production Name: Norfolk Road Industrial Estate Location: DA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	879	11	565881 174036
204	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	890	11	565892 174018

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
204	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	914	11	565916 173992
204	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	A14SE (E)	917	11	565919 173991
204	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	930	11	565932 174020
204	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	938	11	565940 173994
204	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	A14SE (E)	941	11	565943 173993
205	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	A14NE (E)	862	11	565826 174264
205	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	862	11	565826 174264
205	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	863	11	565812 174307
205	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	A14NE (E)	867	11	565816 174308
205	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	A14NE (E)	918	11	565882 174272
205	Points of Interest - Manufacturing and Production Name: Works Location: DA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	922	11	565886 174273
206	Points of Interest - Manufacturing and Production Name: Tank Location: DA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	991	11	565971 174221

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	Points of Interest - Public Infrastructure Name: BP Clocktower Connect Location: 139 Milton Road, Gravesend, DA12 2RQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (E)	106	11	565108 174013
207	Points of Interest - Public Infrastructure Name: BP Service Station Location: 139 Milton Road, Gravesend, DA12 2RQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (E)	106	11	565108 174013
207	Points of Interest - Public Infrastructure Name: Esso Location: 139 Milton Road, Gravesend, DA12 2RQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (E)	106	11	565108 174013
207	Points of Interest - Public Infrastructure Name: Clocktower Connect Location: 139 Milton Road, Gravesend, DA12 2RQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (E)	106	11	565108 174013
207	Points of Interest - Public Infrastructure Name: Clocktower Connect Location: 139 Milton Road, Gravesend, DA12 2RQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (E)	106	11	565108 174013
208	Points of Interest - Public Infrastructure Name: Gravesend Contact Point Civic Centre Location: Civic Centre, Windmill Street, Gravesend, DA12 1AU Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	261	11	564712 173888
209	Points of Interest - Public Infrastructure Name: Arriva Travel Location: 2 Clive Road, Gravesend, DA11 0RS Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A13NW (W)	290	11	564665 174057
209	Points of Interest - Public Infrastructure Name: Arriva Travel Location: 2 Clive Road, Gravesend, DA11 0RS Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A13NW (W)	290	11	564665 174057
210	Points of Interest - Public Infrastructure Name: Gravesend Contact Point Location: Site of Former Police Station, 133, Windmill Street, Gravesend, DA12 1BH Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	329	11	564705 173775
211	Points of Interest - Public Infrastructure Name: Travellers-Fare Gravesend Station Bookstalls Location: Gravesend Railway Station, Rathmore Road, Gravesend, DA11 0HP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (W)	347	11	564603 174018
211	Points of Interest - Public Infrastructure Name: Gravesend Rail Station Location: Clive Road, DA11 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A12NE (W)	349	11	564602 174037
211	Points of Interest - Public Infrastructure Name: Gravesend Station Location: Clive Road, DA11 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A12NE (W)	349	11	564602 174037

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
211	Points of Interest - Public Infrastructure Name: Tesco Petrol Filling Station Location: 72-73 New Road, Gravesend, DA11 0AF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (W)	395	11	564570 174111
212	Points of Interest - Public Infrastructure Name: Jewels Tours Location: 56 New Road, Gravesend, DA11 0AD Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A12NE (W)	524	11	564451 174163
213	Points of Interest - Public Infrastructure Name: Outfall Location: DA12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	571	11	565389 174430
213	Points of Interest - Public Infrastructure Name: Outfall Location: DA12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	574	11	565393 174430
214	Points of Interest - Public Infrastructure Name: Bfh Group Ltd Location: Suite 1 Lindfield House, Stuart Road, Gravesend, DA11 0BZ Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12NE (NW)	615	11	564399 174277
214	Points of Interest - Public Infrastructure Name: Sterile Technologies Group Location: Lingfield House, Stuart Rd, Gravesend, Kent, DA11 0BZ Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12NE (NW)	615	11	564398 174276
215	Points of Interest - Public Infrastructure Name: Asda Gravesend Automat Location: Thames Way, Gravesend, DA11 0DQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NW (W)	938	11	564041 174231
215	Points of Interest - Public Infrastructure Name: Asda Petrol Location: Thames Way, Gravesend, DA11 0DQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NW (W)	938	11	564041 174231
216	Points of Interest - Recreational and Environmental Name: Playground Location: Park Place, DA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SE (E)	301	11	565303 173989
216	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	A13SE (E)	303	11	565305 173988
216	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	A14SW (E)	333	11	565334 173977
216	Points of Interest - Recreational and Environmental Name: Playground Location: Park Place, DA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SW (E)	333	11	565334 173978

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	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	A14SW (E)	375	11	565373 173952
216	Points of Interest - Recreational and Environmental Name: Playground Location: Park Place, DA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SW (E)	376	11	565374 173952
217	Points of Interest - Recreational and Environmental Name: Play Area Location: DA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	303	11	564846 173709
218	Points of Interest - Recreational and Environmental Name: Skatepark Location: DA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	363	11	565352 174108
219	Points of Interest - Recreational and Environmental Name: Picnic Area Location: DA12 Category: Recreational Class Code: Picnic Areas Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	407	11	564969 174424
220	Points of Interest - Recreational and Environmental Name: Playground Location: Khartoum Place, DA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14NW (NE)	418	11	565349 174243
220	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	A14NW (NE)	422	11	565351 174247
220	Points of Interest - Recreational and Environmental Name: Play Area Location: DA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	483	11	565376 174316
221	Points of Interest - Recreational and Environmental Name: Playground Location: Commercial Place, DA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SE (NE)	481	11	565307 174382
221	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 (NE)	483	11	565312 174380
222	Points of Interest - Recreational and Environmental Name: Playground Location: DA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	700	11	564882 173289

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
223	Nitrate Vulnerable Zones Name: Coastal Streams To Lower Thames Nvz Description: Surface Water Source: Environment Agency, Head Office	A14NE (E)	793	4	565773 174197
224	Nitrate Vulnerable Zones Name: North Kent Description: Groundwater Source: Environment Agency, Head Office	A14NE (E)	902	4	565859 174294

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Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Thurrock Borough Council - Environmental Health Department Dartford Borough Council - Environmental Health Department Gravesham Borough Council - Public Health Services Medway Council - Environmental Health	November 2023 October 2017 September 2017 September 2017 September 2017	Annually Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region Environment Agency - Southern Region Environment Agency - Thames Region	July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region Environment Agency - Southern Region	March 2013 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region Environment Agency - Southern Region	January 2009 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region	July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Thurrock Borough Council - Environmental Health Department London Port Health Authority - Environmental Services Medway Council - Environmental Health Gravesham Borough Council - Environmental Health Department Dartford Borough Council - Environmental Health Department	February 2015 January 2023 June 2014 October 2014 September 2014	Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Thurrock Borough Council - Environmental Health Department London Port Health Authority - Environmental Services Medway Council - Environmental Health Gravesham Borough Council - Environmental Health Department Dartford Borough Council - Environmental Health Department	February 2015 January 2023 June 2014 October 2014 September 2014	Not Applicable Annual Rolling Update Not Applicable Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Thurrock Borough Council - Environmental Health Department London Port Health Authority - Environmental Services Medway Council - Environmental Health Gravesham Borough Council - Environmental Health Department Dartford Borough Council - Environmental Health Department	February 2015 January 2023 June 2014 October 2014 September 2014	Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	July 2024	
Pollution Incidents to Controlled Waters Environment Agency - Southern Region Environment Agency - Anglian Region Environment Agency - Thames Region	December 1999 September 1999 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region Environment Agency - Southern Region	July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region Environment Agency - Southern Region	March 2013 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region Environment Agency - Head Office Environment Agency - Southern Region	May 2023 May 2023 May 2023	

Agency & Hydrological	Version	Update Cycle
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Eastern Area Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	April 2024 April 2024 April 2024 April 2024	Quarterly Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Anglian Region Environment Agency - Southern Region	July 2024 July 2024	Quarterly Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region Environment Agency - Southern Region	October 2017 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	July 2024	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	August 2024	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region Environment Agency - Southern Region	January 2009 January 2009	Not Applicable Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Eastern Area Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	August 2024 August 2024 August 2024 August 2024	Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Eastern Area Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Dartford Borough Council - Environmental Health Department Gravesham Borough Council Kent County Council - Waste Management Group Medway Council - Environmental Protection Department Thurrock Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Dartford Borough Council - Environmental Health Department Gravesham Borough Council Kent County Council - Waste Management Group Medway Council - Environmental Protection Department Thurrock Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - Anglian Region - Eastern Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	March 2006 March 2006 March 2006	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Eastern Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	April 2018 April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Eastern Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	June 2015 June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	September 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Thurrock Borough Council - Development Control Medway Council London Port Health Authority - Environmental Services Dartford Borough Council Kent County Council Gravesham Borough Council	December 2015 February 2016 January 2008 June 2023 May 2023 October 2015	Variable Variable Annual Rolling Update Variable Variable Variable
Planning Hazardous Substance Consents Thurrock Borough Council - Development Control Medway Council London Port Health Authority - Environmental Services Dartford Borough Council Kent County Council Gravesham Borough Council	December 2015 February 2016 January 2008 January 2016 January 2016 October 2015	Variable Variable Annual Rolling Update Variable Variable Variable

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Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	December 2015	As notified
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	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	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	June 2024	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines National Grid	October 2021	
Points of Interest - Commercial Services PointX	September 2024	Quarterly
Points of Interest - Education and Health PointX	September 2024	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2024	Quarterly
Points of Interest - Public Infrastructure PointX	September 2024	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2024	Quarterly
Underground Electrical Cables National Grid	January 2024	

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Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2024	Bi-Annually
Areas of Adopted Green Belt Dartford Borough Council Gravesham Borough Council Medway Council Thurrock Borough Council - Development Control	July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Dartford Borough Council Gravesham Borough Council Medway Council Thurrock Borough Council - Development Control	July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	May 2024	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	August 2024	Bi-Annually
Marine Nature Reserves Natural England	August 2024	Bi-Annually
National Nature Reserves Natural England	August 2024	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 April 2024	Bi-Annually
Ramsar Sites Natural England	August 2024	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2024	Bi-Annually
Special Areas of Conservation Natural England	April 2024	Bi-Annually
Special Protection Areas Natural England	April 2024	Bi-Annually

A selection of organisations who provide data within this report

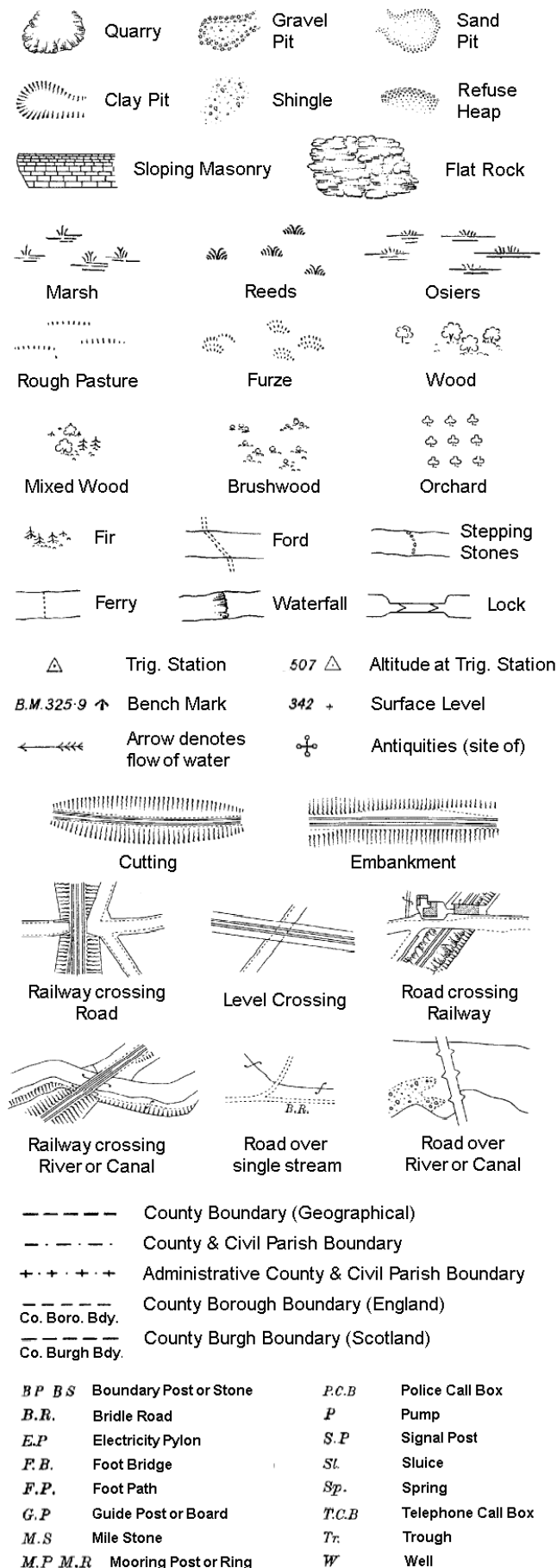
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Gravesham Borough Council - Environmental Health Department Civic Centre, 132 Windmill Street, Gravesend, Kent, DA12 1AU	Telephone: 01474 337241 Fax: 01474 337546 Email: glyn.thomson@gravesham.gov.uk Website: www.gravesham.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Gravesham Borough Council Cygnet House, 132 Windmill Street, Gravesend, Kent, DA12 1AU	Telephone: 01474 564422 Fax: 01474 337546 Website: www.gravesham.gov.uk
7	Kent County Council - Waste Management Group Block H, The Forstal, Beddow Way, Aylesford, Kent, ME20 7BT	Telephone: 01622 605976 Website: www.kent.gov.uk
8	Thurrock Borough Council - Environmental Health Department Civic Offices, New Road, Grays, Essex, RM17 6SL	Telephone: 01375 390000 Fax: 01375 652359 Website: www.thurrock.gov.uk
9	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
10	Stantec UK Ltd Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
11	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
12	Thurrock Borough Council - Development Control Civic Offices, New Road, Grays, Essex, RM17 6SL	Telephone: 01375 390000 Fax: 01375 652359 Website: www.thurrock.gov.uk
13	Gravesham Borough Council Cygnet House, 132 Windmill Street, Gravesend, Kent, DA12 1BQ	Telephone: 01474 564422 Fax: 01474 337546 Website: www.gravesham.gov.uk
14	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

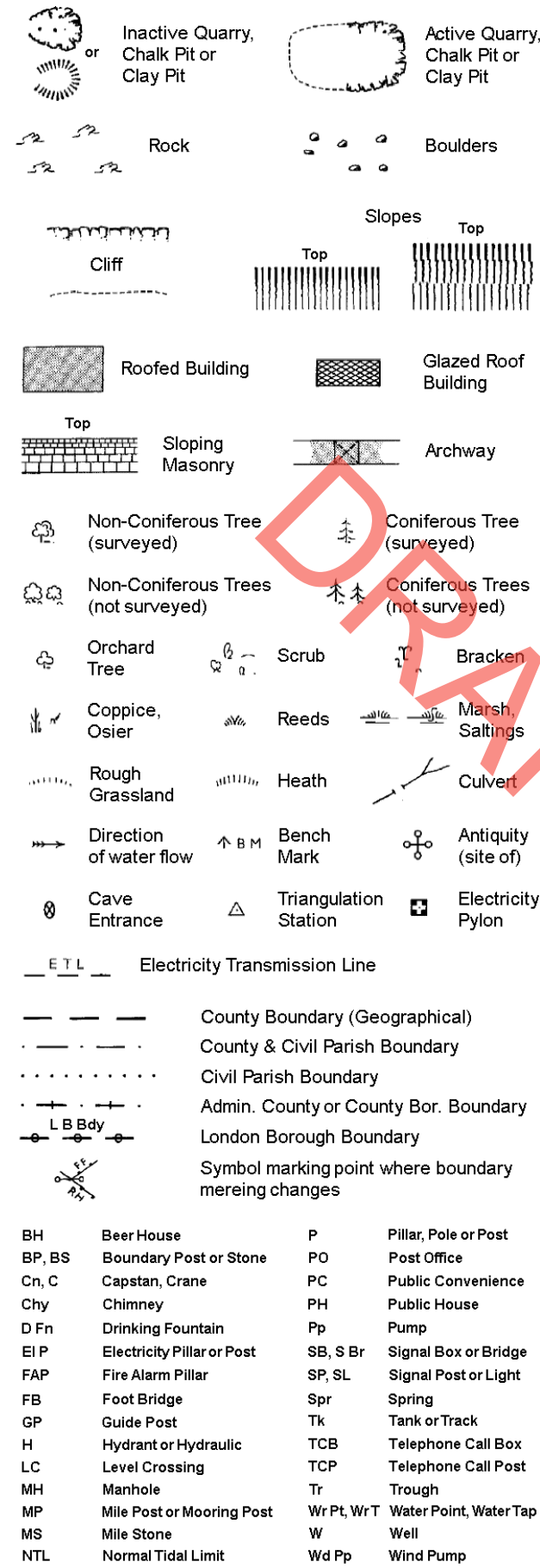
APPENDIX B: Historical Maps

Historical Mapping Legends

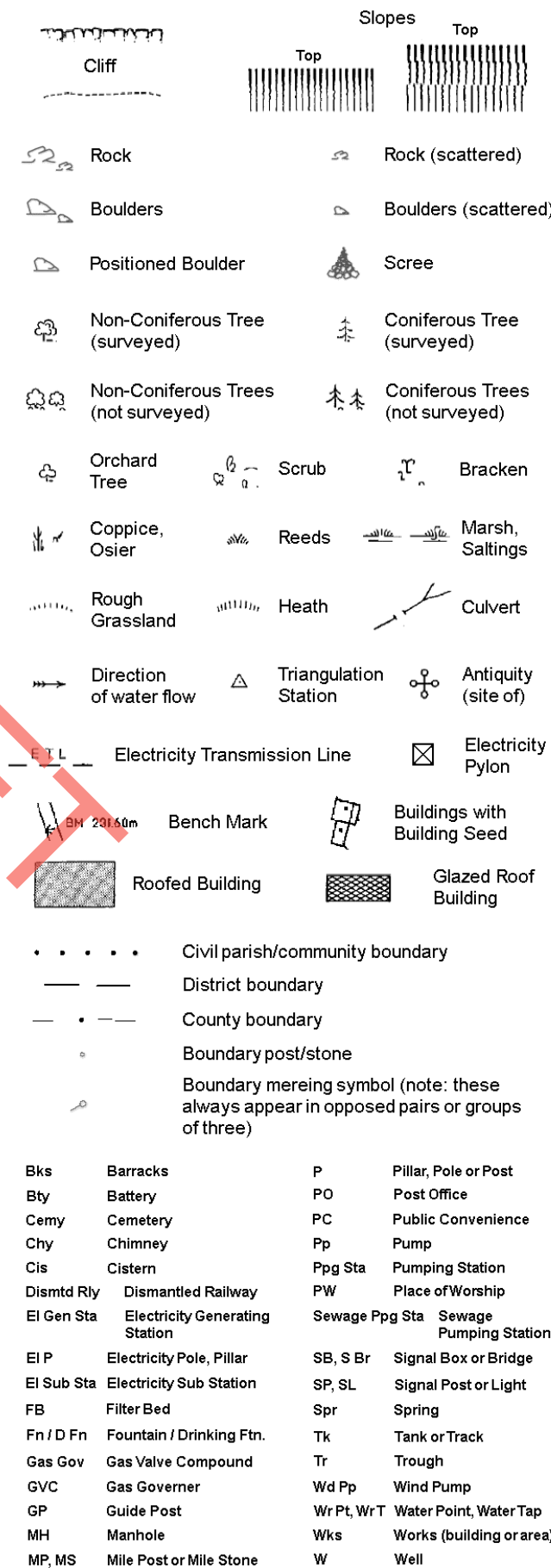
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



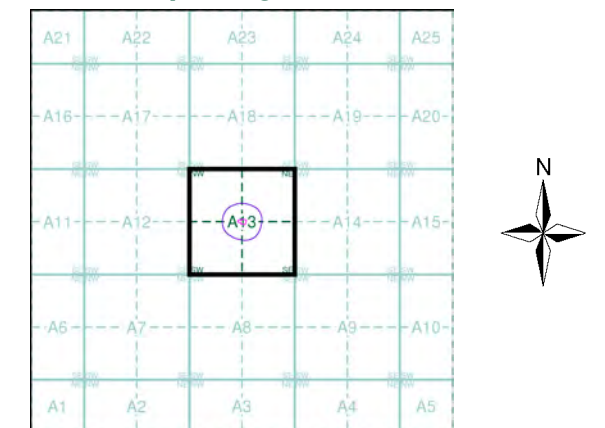
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1874	2
Kent	1:2,500	1897	3
Kent	1:2,500	1909	4
Kent	1:2,500	1936	5
Ordnance Survey Plan	1:1,250	1954	6
Ordnance Survey Plan	1:2,500	1955 - 1958	7
Additional SIMs	1:2,500	1955	8
Ordnance Survey Plan	1:1,250	1964 - 1972	9
Ordnance Survey Plan	1:2,500	1969	10
Ordnance Survey Plan	1:1,250	1976 - 1984	11
Additional SIMs	1:1,250	1978 - 1983	12
Additional SIMs	1:1,250	1981 - 1986	13
Additional SIMs	1:1,250	1991 - 1992	14
Large-Scale National Grid Data	1:1,250	1992 - 1993	15
Large-Scale National Grid Data	1:1,250	1993 - 1994	16
Large-Scale National Grid Data	1:1,250	1996	17
Historical Aerial Photography	1:2,500	1999	18

Historical Map - Segment A13



Order Details

Order Number: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF



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



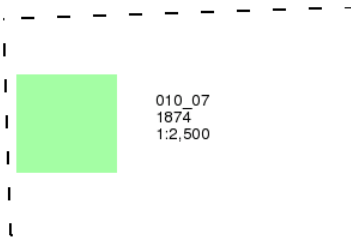
Kent

Published 1874

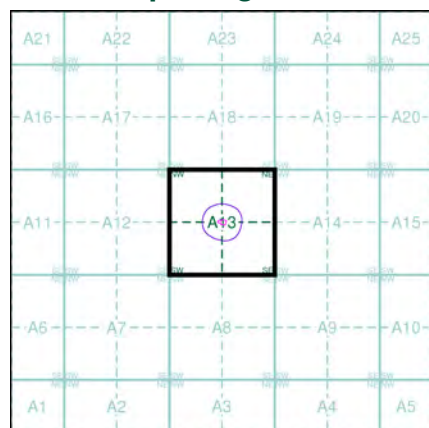
Source map scale - 1:2,500

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: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

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



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CONSULTING

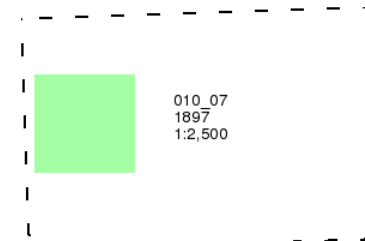
Kent

Published 1897

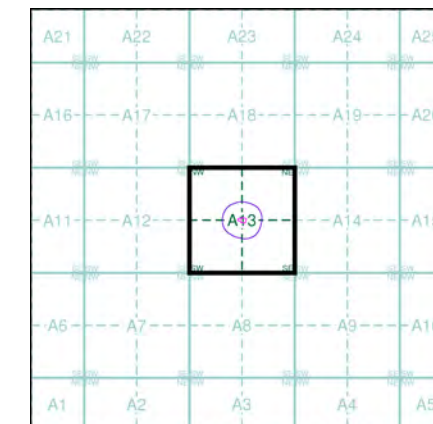
Source map scale - 1:2,500

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: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

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Landmark
INFORMATION GROUP

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



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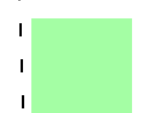
Kent

Published 1909

Source map scale - 1:2,500

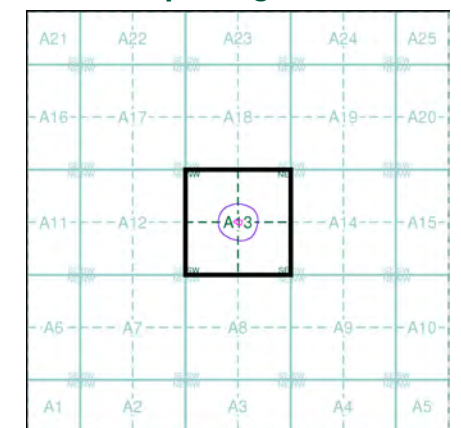
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)



010_07
1909
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

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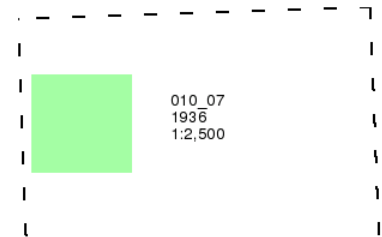
Kent

Published 1936

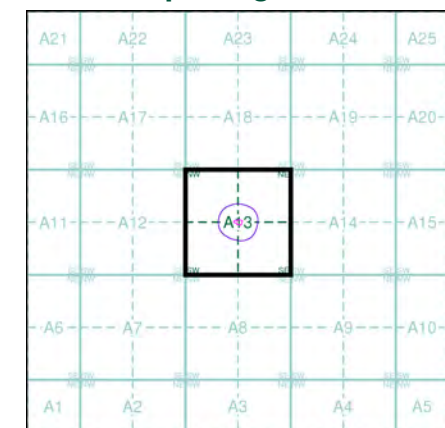
Source map scale - 1:2,500

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

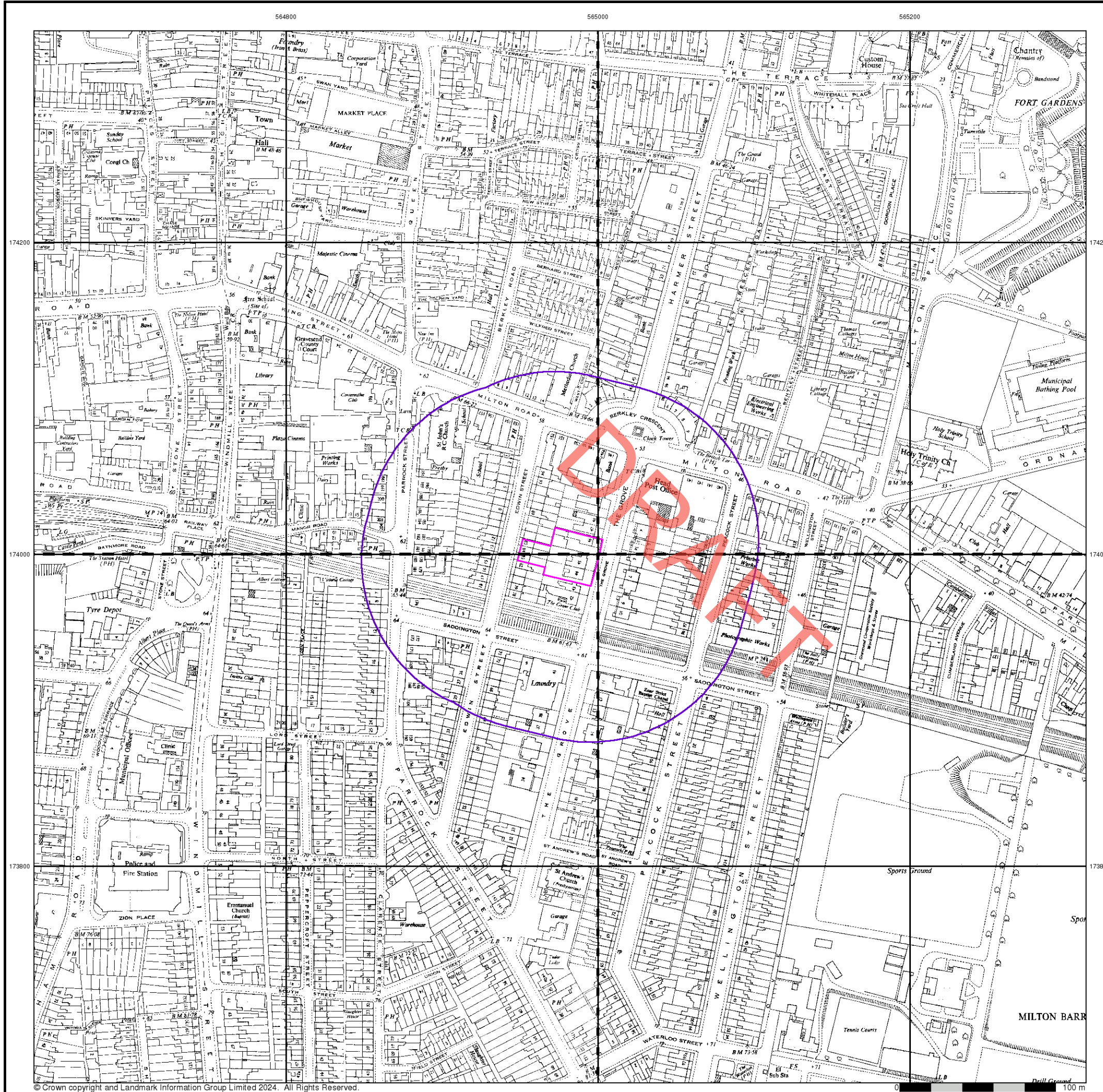
Order Number: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF



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Fax: 0844 844 9951
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Ordnance Survey Plan

Published 1954

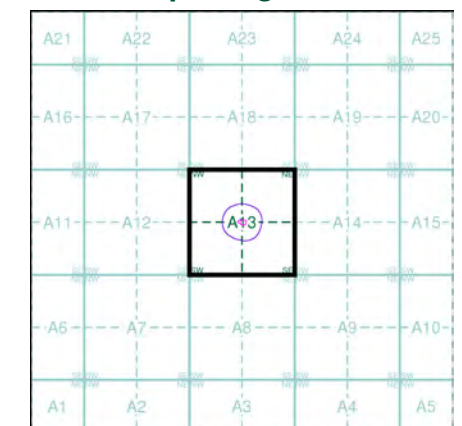
Source map scale - 1:1,250

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)

TQ8474SE	TQ8574SW
1954	1954
1:1,250	1:1,250
TQ8473NE	TQ8573NW
1954	1954
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

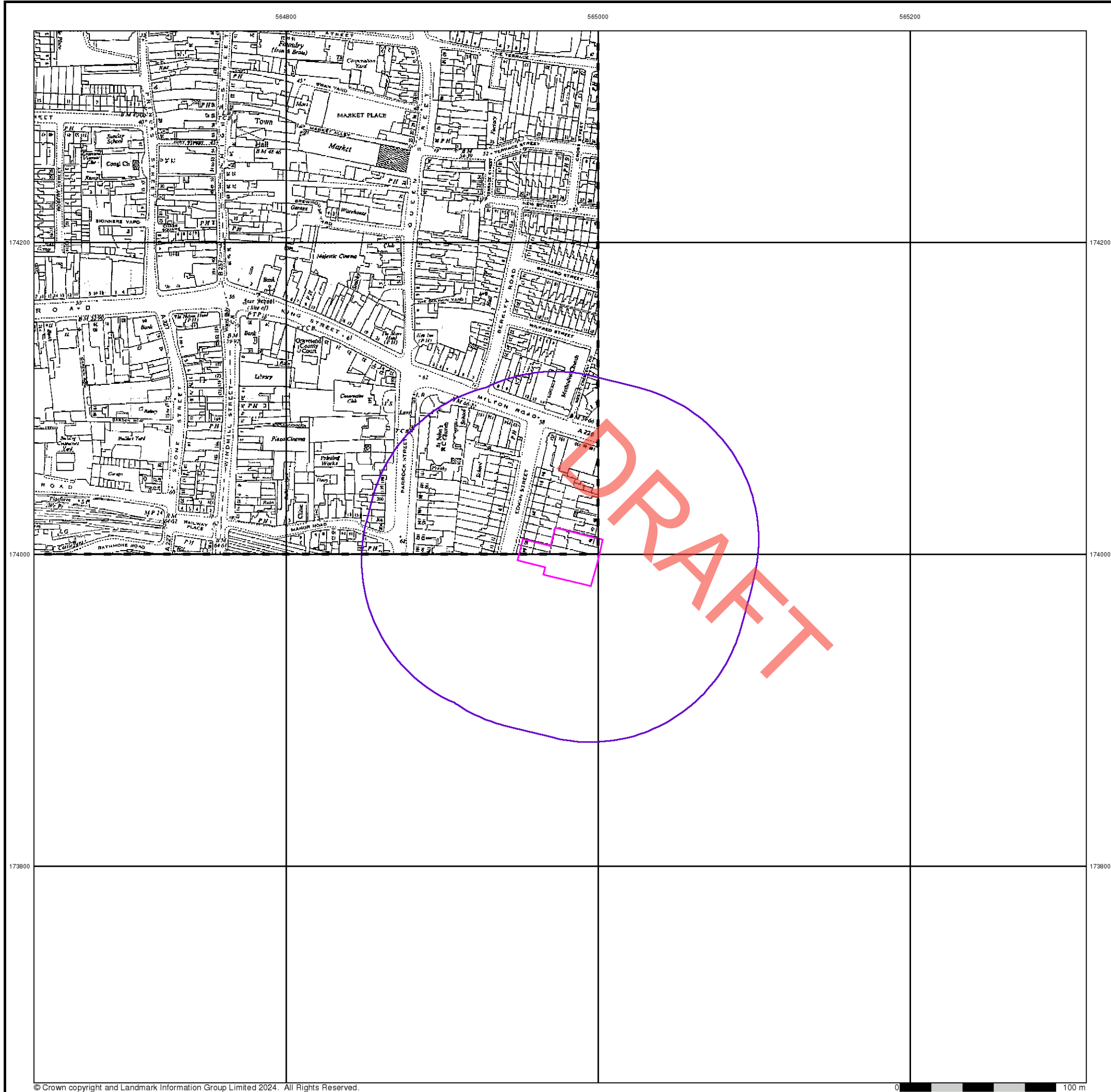
Order Number: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF



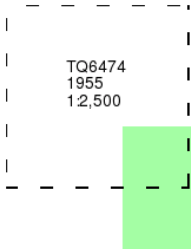
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



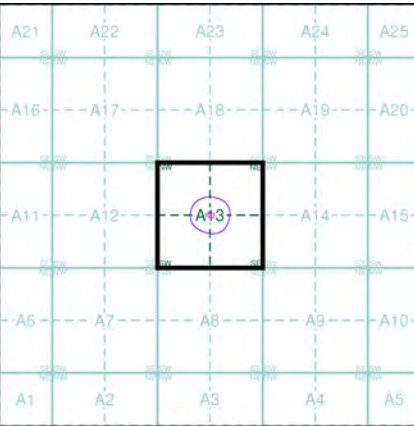
Additional SIMs
Published 1955
Source map scale - 1:2,500

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: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details
44-46, The Grove, GRAVESEND, DA12 1DF



Tel: 0844 844 9952
Fax: 0844 844 9951
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Ordnance Survey Plan

Published 1969

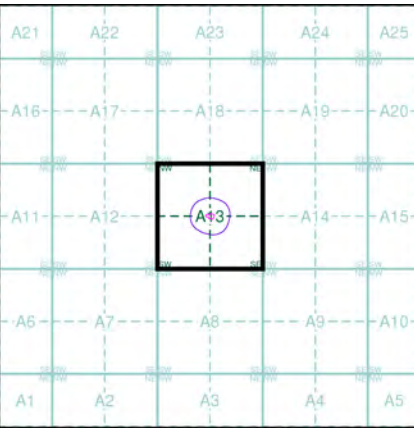
Source map scale - 1:2,500

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)

TQ6474	TQ6574
1969	1969
1:2,500	1:2,500

Historical Map - Segment A13



Order Details

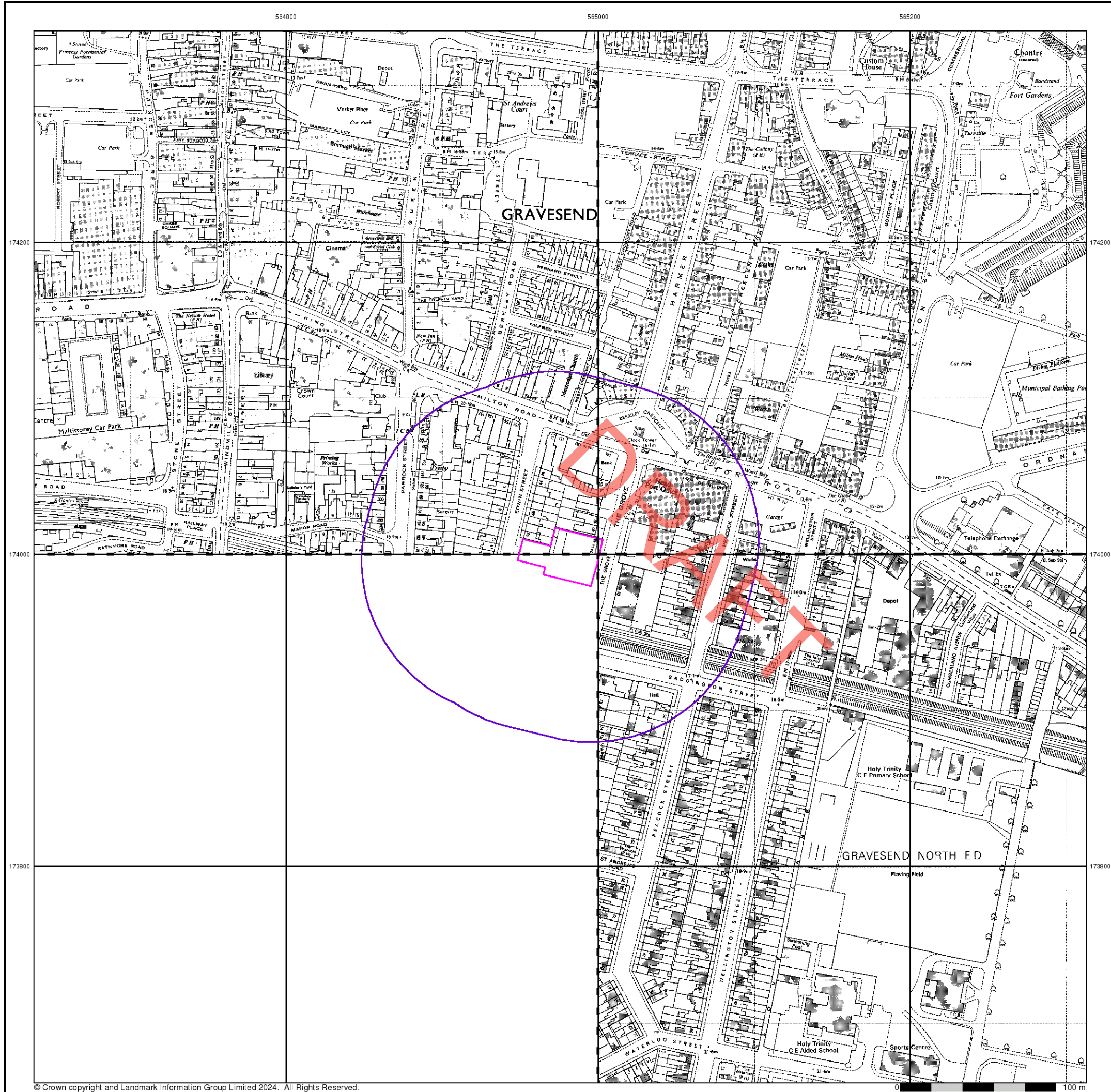
Order Number: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF



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



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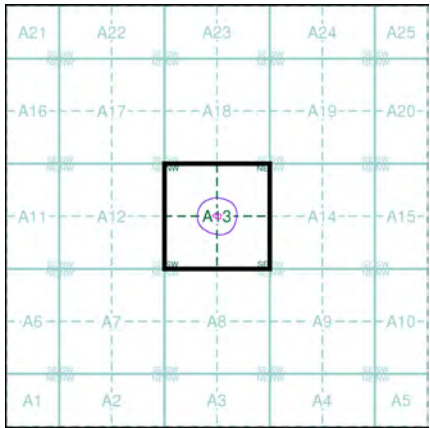
Ordnance Survey Plan
Published 1976 - 1984
Source map scale - 1:1,250

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)

TQ8474SE	TQ8574SW
1978	1976
1:1,250	1:1,250
	TQ8573NW
	1984
	1:1,250

Historical Map - Segment A13



Order Details

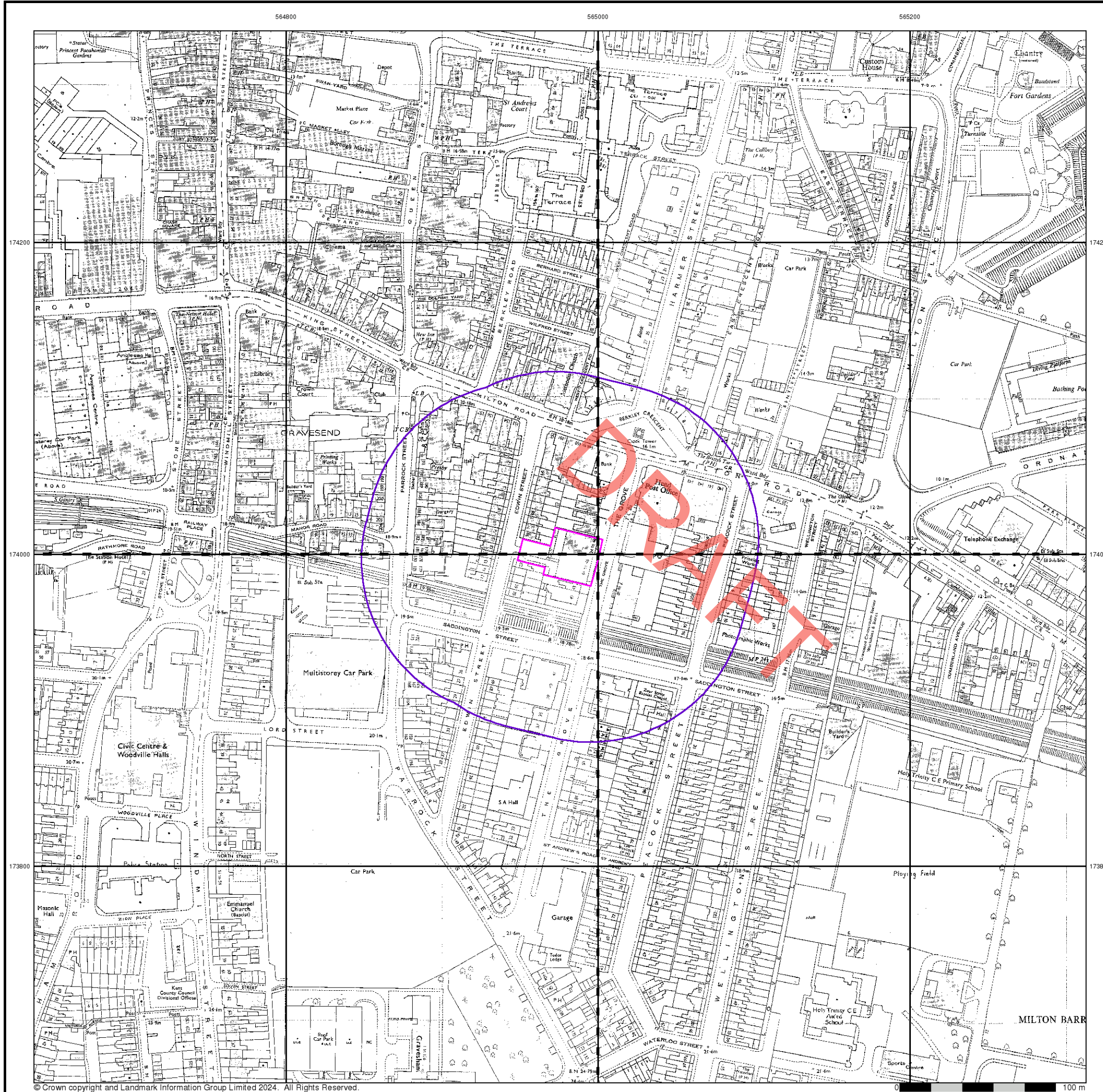
Order Number: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF



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



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Additional SIMs

Published 1978 - 1983

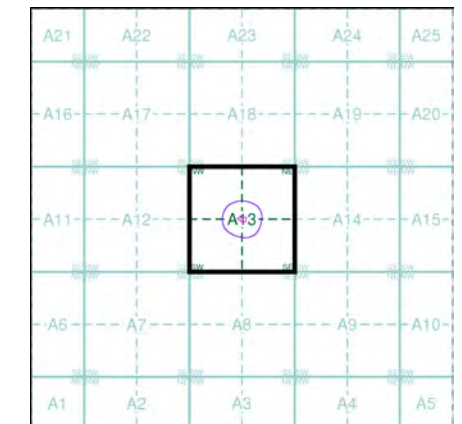
Source map scale - 1:1,250

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)

TQ8474SE	TQ8574SW
1983	1980
1:1,250	1:1,250
TQ8473NE	TQ8573NW
1978	1978
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF



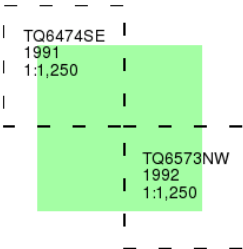
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



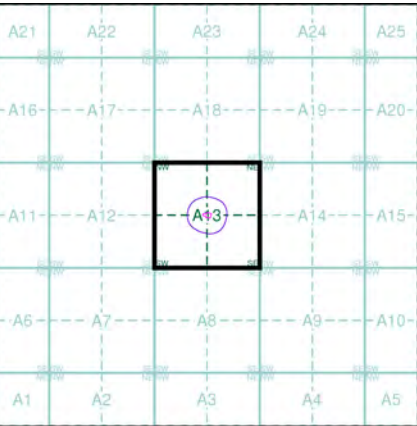
Additional SIMs
Published 1991 - 1992
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

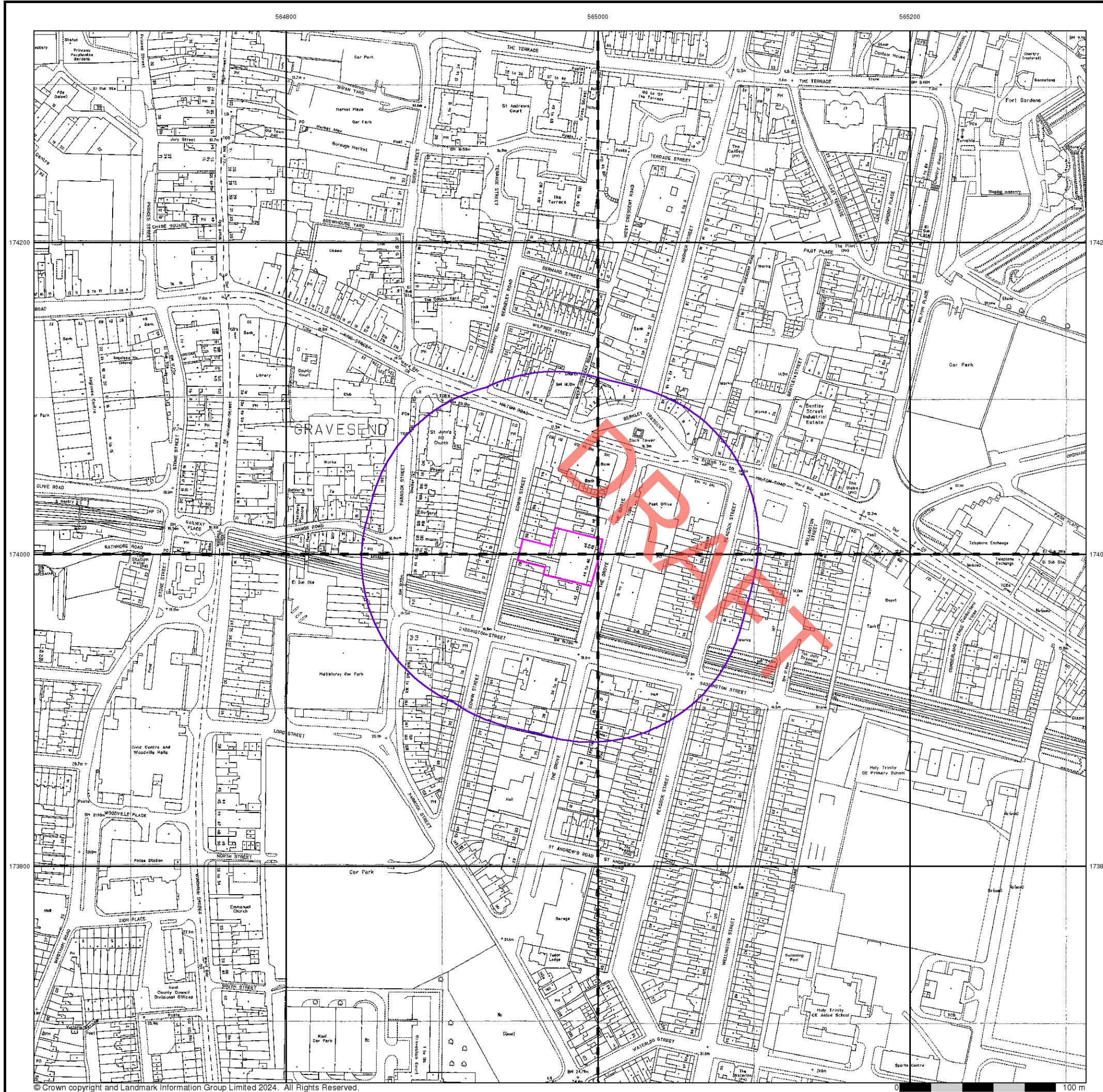
Order Number: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF



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



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Large-Scale National Grid Data

Published 1992 - 1993

Source map scale - 1:1,250

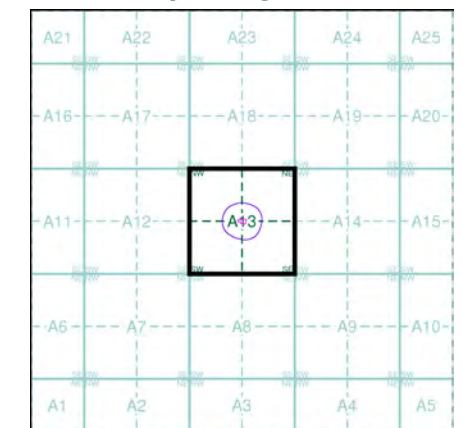
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

TQ8474SE	TQ8574SW
1992	1993
1:1,250	1:1,250

TQ8473NE	TQ8573NW
1992	1993
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

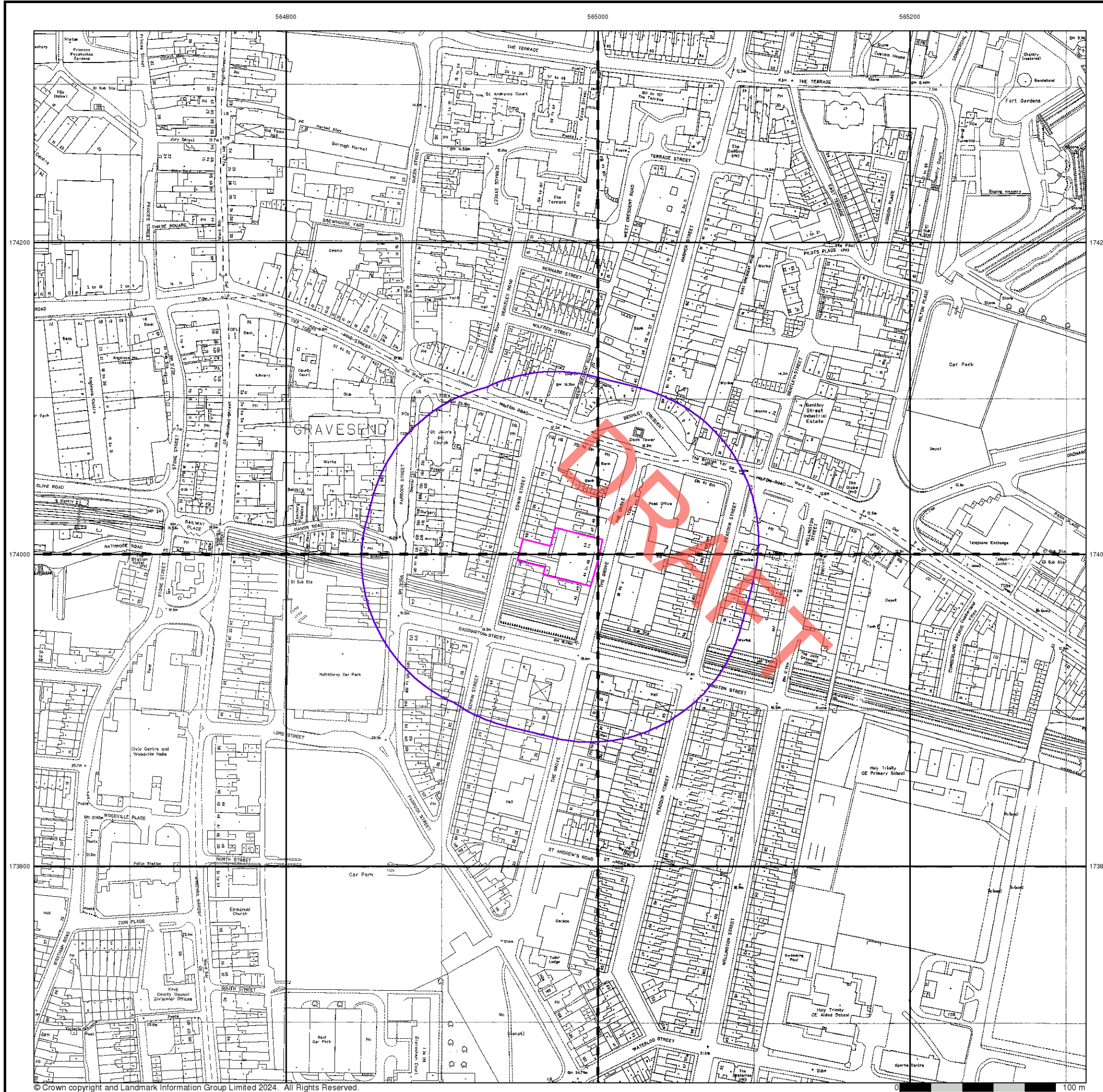
Order Number: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF



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



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Large-Scale National Grid Data

Published 1993 - 1994

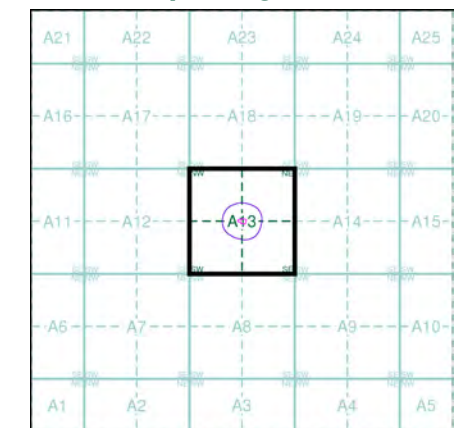
Source map scale - 1:1,250

'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)

TQ8474SE	TQ8574SW
1994	1993
1:1,250	1:1,250
TQ8473NE	TQ8573NW
1994	1993
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

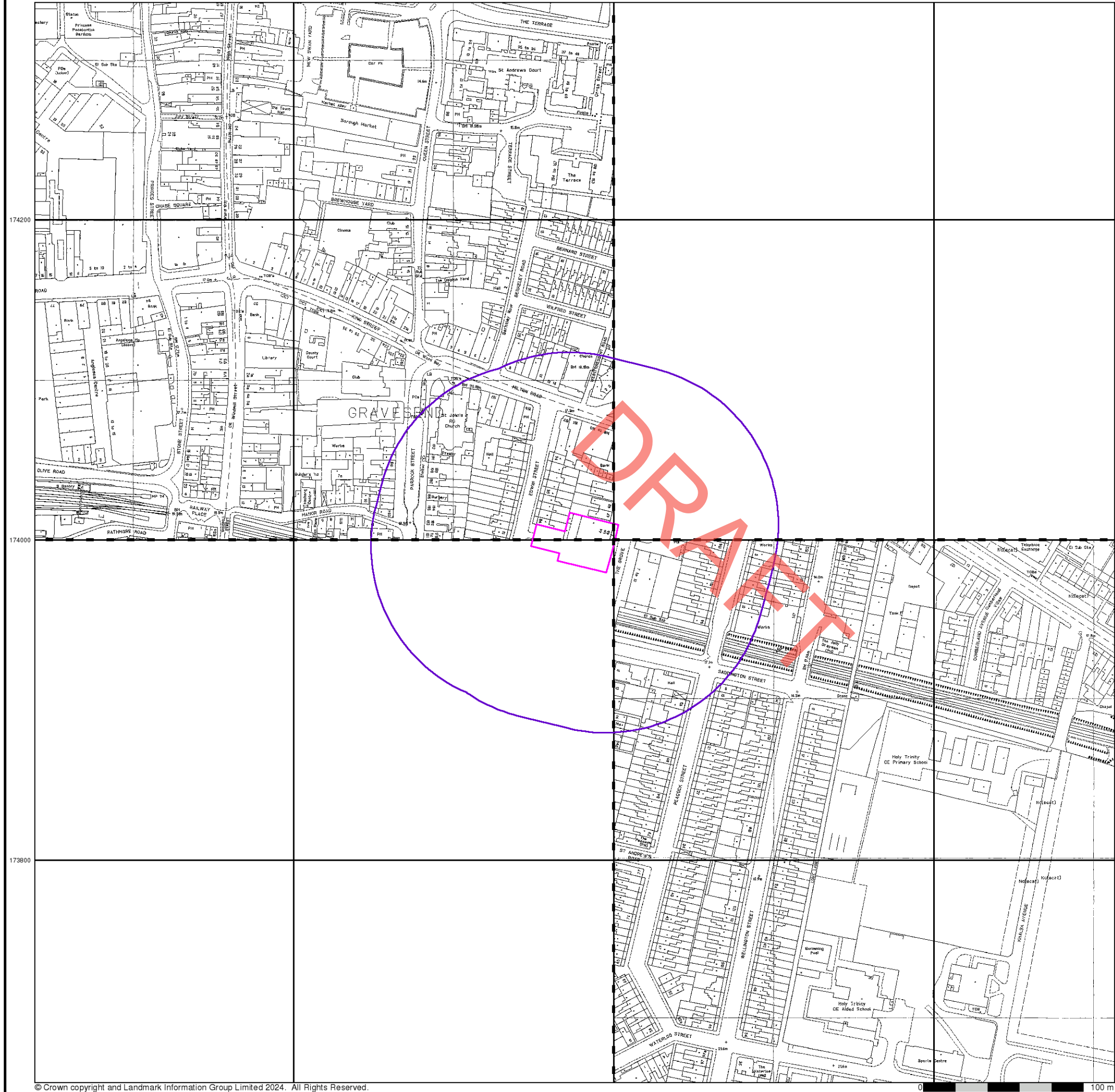
Order Number: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF



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Web: www.envirocheck.co.uk



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LUSTRE
CONSULTING

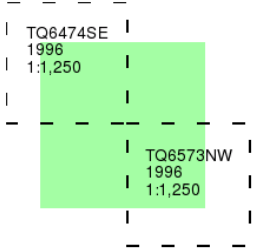
Large-Scale National Grid Data

Published 1996

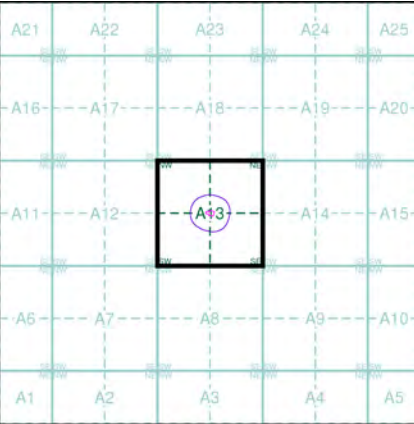
Source map scale - 1:1,250

'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: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF

Landmark
INFORMATION GROUP

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



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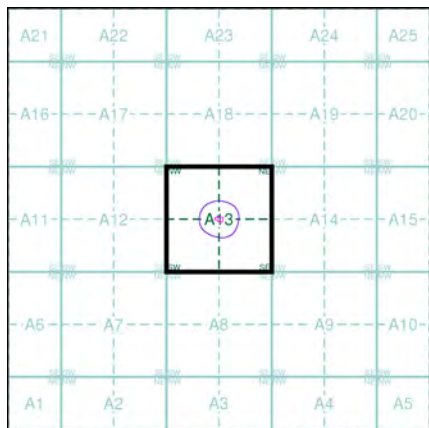
LUSTRE
CONSULTING

Historical Aerial Photography

Published 1999

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number: 357814499_1_1
Customer Ref: 4749
National Grid Reference: 564980, 174000
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

44-46, The Grove, GRAVESEND, DA12 1DF

Landmark
INFORMATION GROUP

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



APPENDIX C: Borehole Information

TQ67SE60

A226 DENTON CORNER TO ORDNANCE ROAD										BOREHOLE S3	
BORING EQUIPMENT			BOREHOLE DIAMETER			LOCATION		SHEET 1 OF 1			
SHELL & AUGER			200mm.			TQ 653 740		GROUND LEVEL METRES A.O.D. 12.31			
						DATE COMMENCED 7. 8. 1985		DATE COMPLETED 7. 8. 1985			
PIEZO DEPTH (m)	DEPTH OF CASING (m)	DEPTH TO WATER (m)	SAMPLES AND INSITU TESTING				LEGEND	DESCRIPTION OF STRATA	ORDNANCE DATUM LEVEL (m)		
			No.	TYPE	BLOWS	DEPTH (m)					
			1	●		0.50	x — — x — x — x — x	Loose - dense brown clayey SILT with many fragments of flint, brick and chalk <100mm. Occasional roots and rootlets.			
			2	●		1.10	— x — x — x — x — x				
			3	●		2.10	x — — x — x — x — x				
			4	●		2.80	x — — x — x — x — x				
			5	●		3.80	x — — x — x — x — x	Medium dense light creamy brown CHALK and SILT with many flints <80mm. Light brown clayey SILT with many chalk and flint fragments <50mm.			
			6	●		4.40	x — — x — x — x — x				
			7	●		5.00	x — — x — x — x — x				
								MADE GROUND			
								White fine grained weak CHALK with flint fragments <100mm.			
			8	●		6.10		UPPER CHALK			
			9	●		7.20					
								BOREHOLE COMPLETED AT 7.50m.			

REMARKS

NO WATER ENCOUNTERED DURING BORING.

SCALE 1:50

KEY

☐ Water struck

☐ Morning water level

☐ Evening water level

● Disturbed Sample

▲ Bulk Disturbed Sample

■ 105mm Undisturbed Sample

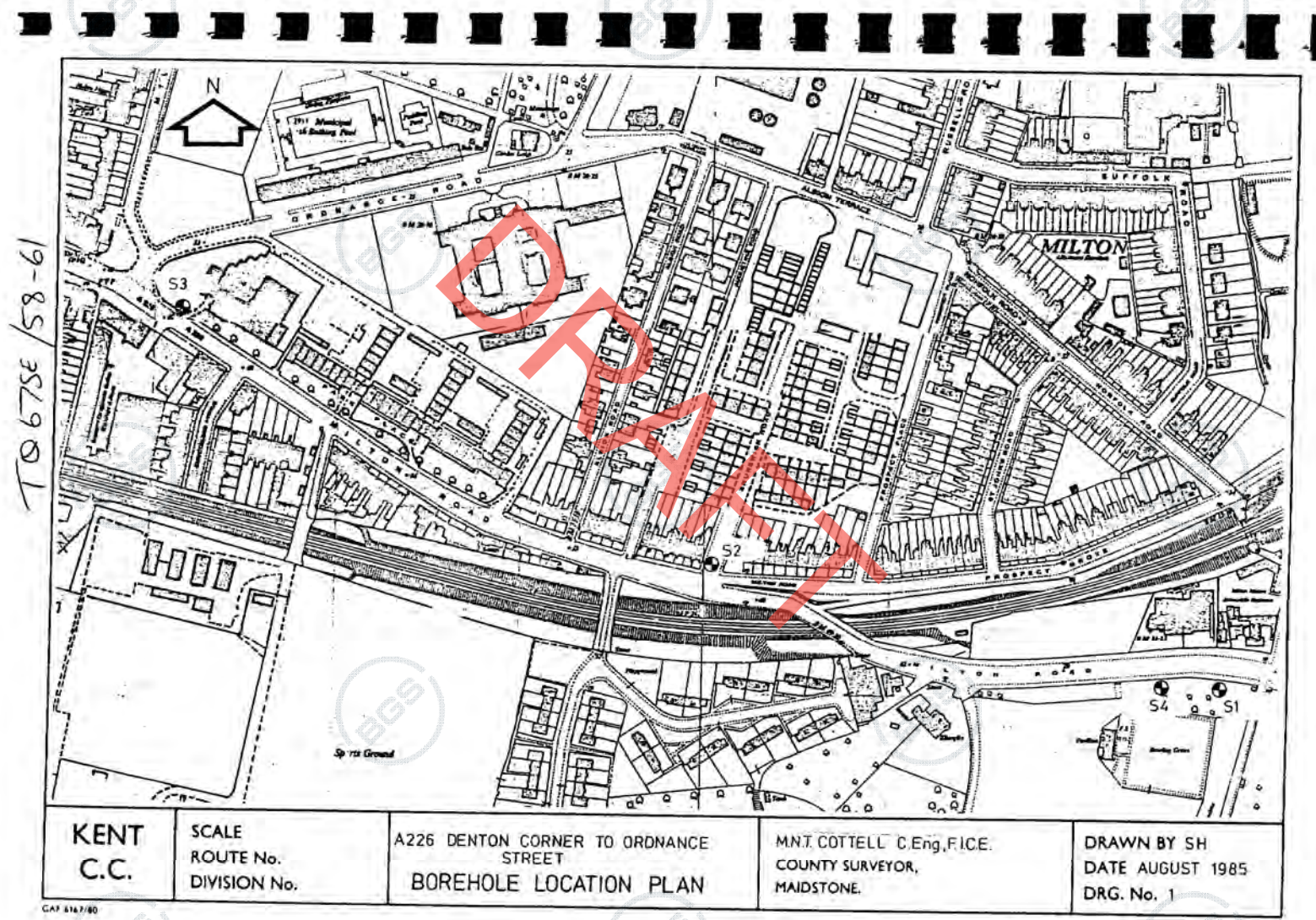
Standard Penetration Test

△ Water Sample

**KENT COUNTY COUNCIL
GEOTECHNICAL GROUP**

**M.N.T.COTTELL C.Eng., F.I.C.E.
COUNTY SURVEYOR
MAIDSTONE**

FIG.



TQ67SE/58-61

A226 GRAVESEND - DENTON CORNER TO ORDNANCE ROADSOAKAWAY SITE INVESTIGATION1. INTRODUCTION

In August, 1985, the Kent County Council's Highways Laboratory was requested by the Highway Engineering Branch to carry out an investigation for three soakaways between Denton Corner and Ordnance Road, Gravesend.

The purpose of the investigation was to determine suitable depths for soakage and to give an indication of likely soakage rates.

This report gives details of the work carried out and the results of the soakage and chemical tests.

2. LOCATION AND TOPOGRAPHY

The proposed soakaways are located adjacent to the A226 to the east of Gravesend's town centre at Ordnance Grid References TQ659738, TQ655739, TQ653740 and TQ658738.

The area is generally low lying with levels rising from 5.80 m A.O.D. at borehole S1 to 14.60 m A.O.D. at borehole S2. The locations of the boreholes are shown on drawing No. 1. The proposed location of boreholes S1 and S4 is at present a flat grassed verge adjoining a sports ground. Borehole S2 was located on a flat grassed area leading to Brunswick Walk.



1":271

TQ67SW/13-16

ADDITIONAL INFORMATION SHEET

Licence No. _____

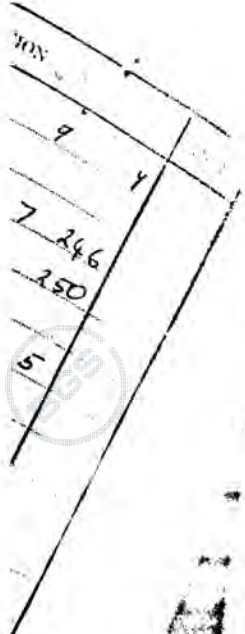
Date of completion
of well catalogue _____

Date of publication _____

271 / 134

Additional Sheet No. _____

DATE	*	ADDITIONAL INFORMATION	INIT.
1957	A	UCK 24 24	M
TQ67SW/13A	B	Loam 1 1 (0.30) UCK) Chalk & flints 200 201 (61.26) ? MCK) " " very hard 41 242 (73.76) 287 " " softer 29 271 (82.60) " " very hard 16 287 (87.48)	M
TQ67SW/13B	C	Black chalk & flints 40 ⁺ 40 (12.19) Sticky " " 42 ⁺ 82 (24.99) UCK) Chalk & flints 138 ⁺ 220 (67.06) ? MCK) Hard band of flints 3 223 (67.97) 300 " chalk & " 31 ⁺ 254 (77.42) Bands of hard & soft chalk 21 ⁺ 275 (83.82) Very hard chalk 35 310 (94.49) since depth is 300 one of these figures is incorrect - not known	
TQ67SW/14A	D	Crude flints - hard 42 42 (12.80) " " " 119 161 (49.07) UCK " " very hard 4 165 (50.29) 250 " " " 54 219 (66.75) " " " very hard 1 220 (67.06) " " " (hard band at 235) 30 250 (76.20)	M/L
FILMED	* INSERT WELL REFERENCE LETTER, IF MORE THAN ONE WELL AT SITE		P.T.O.
Section 6	Pumping test	Observ. well	Re-enter
Geological Survey Well Catalogue			



GENERAL INFORMATION SHEET

Completion
in site catalogue
Date of publication

X

License No.

271 / 134

Additional Sheet No.

DATE	*	ADDITIONAL INFORMATION				INIT.
12/12/71	K	Uck } 300 ?Mck } No details	300			M. (91.44)
TQ67SW/16	L	Made 5 1/2	Made ground	5 1/2	5 1/2	M (1.68)
		Chalk		2 1/2	8	(2.44)
		Uck } ?Mck } " + flints		169	177	(53.95)
		Sticky " "		35	212	(64.62)
		Chalk " "		10	222	(67.67)
		Sticky " "		48	270	(82.30)
		Hard sticky chalk		30	300	(91.44)
TQ67SW/14C	M	Made 5	Made ground	5	5	M (1.52)
		Chalk + flints		200	205	(62.48)
		Uck } ?Mck } Sticky chalk + flints		27	232	(70.71)
		Hard sticky chalk		68	300	(91.44)
		295				M.
TQ67SW/14D	N	Uck 252	Chalk + flints	252	252	(76.81)
TQ67SW/14E	P	Uck 250 1/2	Chalk + flints Flints	29 8	29 37	M (8.84) (11.28)
		Chalk + flints		213 1/2	250 1/2	(76.35)

IN THE WELL REFERENCE LETTER, IF MORE THAN ONE WELL AT SITE

Pumping test

Observe well

Recorder

1. B. 1.2



TQ 67 SW | 13-16

DATE		ADDITIONAL INFORMATION	INIT.
TQ 67 SW/14	E	Made up ground 9 9	M (2.74)
		Uck Chalk and flints 237 246	(74.98)
		241 Hard chalk & flints 4 250	(76.20)
	F	Pit 5 5	M (1.52)
		Uck Chalk & flints 221 226	(68.88)
		245 grey chalk & flints 3 229	(69.80)
		grey chalk 7 236	(71.93)
		Hard " 14 250	(76.20)
TQ 67 SW/15	H	Made up ground 11 11	M (3.35)
		Uck Chalk and flints 219 230	(70.10)
		219	
		Uck } Hard grey chalk 229 459	(139.90)
		Mck } "	
		Lck Putty chalk 200 659	(200.86)
		200	
		Gault - hard grey 168 827	(252.07)
		G " & stones 26 853	(259.96)
		215 " - hard grey 25 873	(266.09)
		Sand - grey & gault 1 874	(266.40)
Revised Class. A.C.B. 10/8/72	F	Grey sand 24 1/2 898 1/2	M (273.86)
	J	Uck No details 200	(60.96)
		200	
FORMED		INSERT WELL REFERENCE LETTER, IF MORE THAN ONE WELL AT SITE	M/L

Additional Information Sheet No.

Commenced



TQ 67SW 15
RECORD of WELL or BORING

Survey No. 271
Town, Village, & Gravesend. County Kent Sheet marked 102
Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other objects shown on maps) At Works of the Imperial Paper Mills, Ltd., Gravesend. one-inch map
Surface level of ground 50 ft. above Ordnance Datum. Well or Bore commenced at ft. below surface level of ground.
Sunk ft. diameter ft. Bored 898 ft.; diameter of boring: at top 14 in., at bottom 12 in.
Details of lining tubes (internal diameters preferred) 66' 6" x 14" top 3' 5" B.S. 113' 0" x 10" top 8' 9" 839' 0" x 8" top 1' 0" B.S. 104' 0" x 7 1/2" top 794' 0" B.S.
Water struck at depths of (feet) 170' - 190' ? at lower depths.
Rest-level of water below top of well or bore 0 ft. Pumping level ft. Time of recovery
Suction at ft. depth. Yield: (i) on test 0 ft. 2.61 c.gals. per hour (ii) normal - gall
Quality (attach copy of analysis if available) Not available.
Made by for Mr. Date of boring 1930
Information from LeGrand, Sutcliffe & Gell, Ltd., Southall, Middx. SB 4/321

GEOLOGICAL
CLASSIFICATION.

NATURE OF STRATA.
(and any additional remarks)

		FEET.		INCHES.	
		Feet.	Inches.	Feet.	Inches.
U.K. or	Made up ground	11	-	11	-
Ir. Chalk	Chalk & Flints	219	-	230	-
	Hard Grey Chalk	229	-	459	-
	Putty Chalk	200	-	659	-
	Gault (hard grey)	168	-	827	-
Gault	Gault & Stones	26	-	853	-
2 -	Gault (hard grey)	20	-	873	-
	Sand - grey & Gault	1	-	874	-
Lower Grs.	Grey Sand	24	6	898	6
100		898	6	898	6

Visited 18/1/50. O.D. about +19 ft. (dawn).
Rest Water level: one flow at +21 ft. O.D.
Yield cannot be determined without use of a v-notch, etc.
Analysis 18/1/50: chloride as Cl 15 ppm. J.B.
Alkalinity as CaCO₃ 148 -
Total hardness as CaCO₃ 5 -
conductivity 310 micromhos/cm.
J.B.

For LeGrand, Sutcliffe & Gell, Ltd.

Letter (9509/30) Nov. 13th 1939: out of commission yield having fallen off

Visited 29.9.52.
No yield.
O.D. at 16.5 Ht.

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH AMPTON.

For Survey use only.

Date received	G.S.M.	M. of H.	Site marked on 1" map.
1/5/50	605	notified	

TQ 67SW 15
N.G. No. 6435.7418

17

271/134 IMPERIAL PAPER MILLS, GRAVESEND

(A)* No.2 Greensand Bore (1930)

(H) Classification

After passing through a normal Chalk and Gault succession, the borehole enters the Lower Greensand at 11 ft 6 in. The Gault is 6 ft 6 in. thick and sand to the bottom of the borehole. This corresponds to a Folkestone Beds lithology.

The borehole record has been classified as follows:

Mode	11	11
Uck	648	659
Mck		
Lck		
G	215	874
F	24½	898½

* Revised letters, 1971

A.C. B
10/8/72

DATA Bank



NGRC
BOREHOLE RECORDS
ADJUSTMENT FORM

QUARTER SHEET TQ 67 SW.

BH REGISTRATION NUMBER 497 - 560

RECORDS ENTERED AND HELD BY WALLINGFORD

BH REGISTRATION NUMBER(S)



ADDITIONAL INFORMATION SHEET

Date of completion
of well catalogue

Date of publication

Licence No.

271 / 134
TQ67/44
A-J

Additional Sheet No.

DATE	*	ADDITIONAL INFORMATION	INIT.
24/5/71	A	Uck No details 24 24 24	
	B	Loam 1 1 Uck } Chalk & flints 100 201 ? Mck } " " very hard 41 242 287 " " softer 29 271 " " very hard 16 287	
	C	Block chalk & flints 40 ⁺ 40 Sticky " " 42 ⁺ 82 Uck } Chalk & flints 138 ⁺ 220 ? Mck } Hard band of flints 3 223 300 " chalk 31 ⁺ 254 Bands of hard & soft chalk 31 ⁺ 275 Very hard chalk 35 ⁺ 210 None depth is 300 one of these figures is incorrect - not known which	
	D	Chalk & flints - hard 42 42 " " 119 161 Uck " " very hard 4 165 250 " " 54 219 " " very hard 1 220 " " (hard band at 225) 30 250	mgh

FILMED

* INSERT WELL REFERENCE LETTER, IF MORE THAN ONE WELL AT SITE

P.T.O.

Section 6

Pumping test

Observ. well

Recorder

E.R. log

GEOLOGICAL SURVEY,
WATER DEPARTMENT
SOUTH KENSINGTON,
LONDON, S.W.7.

7

DATE		ADDITIONAL INFORMATION	INIT.
	E	Made up ground 9 9	
		Uck Chalk and flints 237 246	
		241 Hard chalk & flints 4 250	
	F	Made up ground 5 5	
		Chalk & flints 221 226	
		Uck Grey chalk & flints 3 229	
		245 Grey chalk 7 236	
		Hard " 14 250	
	H	Made up ground 11 11	
		Uck Chalk and flints 219 230	
		219	
		Uck } Hard grey chalk 229 459	
		Mck } 229	
		Uck Putty chalk 200 659	
		200	
		Gault-hard grey 168 827	
		G " & stones 26 853	
		215 " - hard grey 20 873	
		Sand-grey & gault 1 874	
Revised Class. ACB. 10/8/72	F	Grey sand 24 1/2 898 1/2	
	J	Uck No details 200	
		200	
FILMED		INSERT WELL REFERENCE LETTER, IF MORE THAN ONE WELL AT SITE	M/L

TQ67/44 A-P

271/134 Imperial Paper Mills Ltd., Gravesend

(a) Mather and Platt, Campbell Pit. (Standby). Surface +c.16.

Shaft c.24 x 7 $\frac{3}{4}$. Infiltration trenches: (i) 75 x 3 E.N.E., floor 24 down rising; (ii) 180 x 3 W.S.W., floor 24 down then 110 x 3 S.W., floor 24 down. Isler, before 1927. TQ 6387 7369

R.W.L. -c.1. 1950; -c.7 $\frac{1}{2}$ ((e) pumping). May 1958.

(b) South Pump, West Mill. (Disused). Surface +c.18. Well-top +c.6. Bore 287. Lining tubes: 30 x 16 in from 3 down. R.W.L. +c.2.

P.W.L. -c.12 $\frac{1}{2}$. Yield 40,000 g.p.h. (test). LeGrand, 1908. TQ 6390 7417

Cl 1,250. June 1927; 2,500-7,400. 1932; c.3,500. 1933-36.

(c) East Pump, West Mill. (Filled in). Surface +c.18. Well-top +c.6. Bore 300. Lining tubes: 30 x 16 in from 5 down. R.W.L. -c.4.

LeGrand, 1912. TQ 6390 7421

Cl c.6,000. 1933-36.

(b) and (c) Yield 90,000 g.p.h. Apr. 1940.

(d) Ashton Frost-Stuart Road. (Standby). Surface +18. Well-top +4 $\frac{1}{2}$. Bore 250. Lining tubes: 40 x 18 in from 2 down. LeGrand, 1915.

Yield 60,000 g.p.h. 1919. Cl 930. Mar. 1921; 4,000. 1927; 8,600. Dec. 1933; 6,800. Nov. 1936. R.W.L. +c.5 $\frac{1}{2}$. Jan. 1950. Yield 26,000 g.p.h. Cl 3,500. Oct. 1964. TQ 6436 7418

(e) No. 3 Campbell Pit (Allen Pump). Surface +c.19. Well-top +13. Bore 250. Lining tubes: 31 $\frac{3}{4}$ x 36 in from well-top. Water struck at -22, -26, -52 and -89. R.W.L. +0. P.W.L. -75. Suction -c.137. Yield 30,000 g.p.h. (test). LeGrand, July 1929. TQ 6389 7370

Cl c.40. Oct. 1934; 57. Nov. 1936. R.W.L. -c.1. P.W.L. -72. Yield 750,000 g.p.h. Nov. 1939; 36,000 g.p.h. (max.). Date unknown. Hardness: NC. 80, C. 285. Feb. R.W.L. +5. P.W.L. -7. Yield 25,000 g.p.h. Oct. 1948. Hardness: total 333. Cl 40. Jan. 1950. P.W.L. -24. Yield 18,200 g.p.h. Oct. 1956. Cl 49. Jan.; 36. June. Yield 36,000 g.p.h. Oct. 1963. Silted to 24.1. P.W.L. -22. Yield 17,000 g.p.h. Jan.;

TQ67/44A-P

20,000 g.p.h. Cl 46. Oct. 1964. P.W.L. $-12\frac{1}{2}$. Yield 17,460 g.p.h.
Oct. 1965. R.W.L. $-3\frac{3}{4}$. Yield 15,000 g.p.h. Feb. 1966.

(f) Campbell Pit "C". Trial. Well-top +8. Bore 250. Lining tubes: $31\frac{1}{2} \times 36$ in from 1 above. Water struck at -50, -136 to -144 and at -163. R.W.L. +c.5. P.W.L. -92. Yield 11,000 g.p.h. falling to 10,630 g.p.h. (test). LeGrand, 1929.

Silted to 190. R.W.L. -12. ((e) pumping). Jan. 1964. R.W.L. $-7\frac{1}{4}$.
Nov. 1966. Cleaned out to 248. Re-lined: 50 x 30 in from surface. Jan.
Acid treated. Dec. 1967. TQ 6381 7365

(g) No. 1 Greensand Bore (A). Carpenters Shop. (Disused).
Surface +16. Shaft 5; rest bore. Depth 917. Water struck at -14 and -866 $\frac{1}{4}$. Lining tubes: $53\frac{1}{4} \times 14$ in from $4\frac{1}{2}$ down; $869\frac{3}{4} \times 8\frac{1}{2}$ in from 2 down; $128\frac{1}{2} \times 7\frac{1}{4}$ in from $777\frac{3}{4}$ down (perforated 896 to 906); $842\frac{1}{4} \times 6$ in (perforated 881 $\frac{1}{2}$ to 891 $\frac{1}{2}$); sandscreen 896 to 906. When bore c.670, R.W.L. -6; bore 882 $\frac{1}{4}$, overflowed at +20 at 200 g.p.h.; bore 888 $\frac{3}{4}$, overflowed at +30 at 1,200 g.p.h.; bore 891 $\frac{1}{2}$, overflowed at 2,308 g.p.h., R.W.L. +58; bore 898 $\frac{1}{4}$, overflowed at 1,831 g.p.h.; bore 917. Overflowed at 7800 g.p.h. Yield 3,900 g.p.h. LeGrand, Mar. 1930.

Cl 23. 1935. Yield 1,000 g.p.h. Nov. 1939. R.W.L. $-\frac{3}{4}$. Sept.; $+2\frac{1}{2}$. Oct. 1964. ?Silted to 485. R.W.L. $-8\frac{3}{4}$. P.W.L. -c.221. Recovered to -126 in 10 min., to -76 in 20 min., to ~~-38 in 40 min.~~ and to ~~-22~~ in 80 min. Suction -280. Yield c. 2,000 g.p.h. (14 d. test). Air lift and electric pump. Cl 21 rising to c.100. July 1965. TQ 6404 7444

(h) No. 2 Greensand Bore (B). Fire Station. (Filled in). Surface +19 $\frac{1}{4}$. Bore 898 $\frac{1}{2}$. Lining tubes: $66\frac{1}{2} \times 14$ in from $3\frac{1}{2}$ down; 113×10 in from $8\frac{3}{4}$ down; $839 \times 8\frac{1}{2}$ in from 1 down; $10\frac{1}{4} \times 7\frac{1}{4}$ in from 79 $\frac{1}{4}$ down; sandscreen $20 \times 7\frac{1}{4}$ in. Water struck at $-150\frac{3}{4}$ to $-170\frac{3}{4}$ and below (depth unknown). Overflowed at 2,610 g.p.h. LeGrand, 1930. TQ 6397 7443

Cl 15. 1935. Overflowed at +2 $\frac{1}{2}$. Hardness: total 5. Jan. 1950.
R.W.L. $-4\frac{1}{4}$. Sept.; $-\frac{1}{2}$. Oct. 1964. ?Silted to 895. ? Lining tubes



RECORD of WELL or BORING

Survey No. 271/134
P.N.S. 271/134
O.S. 10M.
Town, Village, &c. Gravesend County Kent Six-inch map Kent 10M.
Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps) At works of the Imperial Paper Mills, Ltd., Gravesend. Popular Edition (Sheet of one-inch map, South)
Surface level of ground 17.4 ft. above Ordnance Datum. Well or Bore commenced at 17.4 ft. below surface level of ground.
Sunk 17.4 ft., diameter 14 in. Bored 898 ft.; diameter of boring: at top 14 in., at bottom 14 in.
Details of lining tubes (internal diameters in inches) 66' 6" x 14" top 3' 5" B.S.: 113' 0" x 10" top 6' 8" B.S.: 104' 0" x 7 1/2" top 794' 0" B.S.
Water struck at depths of (feet) 170' - 190' ? at lower depths.
Rest-level of water below top of well or bore 0/F ft. Pumping level 0/F ft. Time of recovery 0/F ft. depth. Yield: (i) on test 0/F 2,610 galls. per hour (ii) normal 0/F galls.
Quality (attach copy of analysis if available) Not available.
Made by LeGrand, Sutcliffe & Gell, Ltd. for Mr. Southall Date of boring 1930
Information from LeGrand, Sutcliffe & Gell, Ltd., Southall, Middx. SB 4/521

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA. (and any additional remarks)	THICKNESS.		DEPTH.	
		Feet.	Inches.	Feet.	Inches.
U.M. or Lr. Chalk	Made up ground	11	-	11	-
	Chalk & Flints	219	-	230	-
	Hard Grey Chalk	229	-	459	-
Gault	Putty Chalk	200	-	659	-
	Gault (hard grey)	168	-	827	-
	Gault & Stones	26	-	853	-
Lower Grs. Sand	Gault (hard grey)	20	-	873	-
	Sand - grey & Gault	1	-	874	-
	Grey Sand	24	6	898	6
		898	6	898	6

Drilled 18/1/30. O.D. + above + 19 ft. (Newlyn).
Rock water level: overflows at +21 ft. O.D.
Yield cannot be determined without use of a V-notch, etc.
Analysis 18/1/30: Chloride as Cl : 15 ppm.
Alkalinity as CaCO₃ : 148 -
Total hardness as CaCO₃ : 5 -
Conductivity : 310 micromhos/cm.
J.B.

For LeGrand, Sutcliffe & Gell, Ltd.

Letter (9509/30) Nov. 13th 1939: out of commission yield
having fallen off

Visited 29.9.52.
No yield.
O.D. at 16.5 Hwt.

2

TQ67/44H

271/134 IMPERIAL PAPER MILLS, GRAVESEND

(A)* No.2 Greensand Bore (1930)

(H) Classification

After passing through a normal Chalk and Gault succession, the borehole entered the Lower Greensand at 874 ft b.s. The driller logged 24 ft 6 in of grey sand to the bottom of the borehole. This corresponds to a Folkestone Beds lithofacies.

The borehole record has been classified as follows:

Mode	11	11
Uck	648	659
Mck		
Lck		
G	215	874
F	24½	898½

* Revised lettering, 1971

A.C. B
10/8/72

DATA Bank

London Solvency Survey - 1967

E.C. 8700

Cl. 3400

See confidential file for
analysis pp. Sw. 31/8/67

271 TQ67/44 H
34 H

No. 2 Greensand Bore B (I.P.M. ref.)

Inf. from I.P.M. in Report & Hearing by M.H. & L.G. Inspector
27/10/64

Ref. to as Geol. Surv. Bore G - Fire Station

Le Grand. 1930. Artesian. Yield decreased - may have not been
used as from 1935. No submersible used.
cl 15 July 1964.

Inf. from plan. O.D. 19-24
893 x 7 1/4". 7 1/4" tubes to 893.
Filled in 1966 - "gone saline".

Called No. 4 in 1965.

Following inf. from additional inf. sheet -

14/6/65	H	Automatic water level recorder installed 6/14/65. Conductivity log to bottom. Attempted to plumb the hole. It was obviously deep and no change in weight could be felt to full length of plumb line (885 ft). At 895 it is possible that some weight went off the conductivity line. Additional inf. from drawing office: Sand screen (perforated tubes) 20 x 7 1/4 in. Exact position of tubes not known. ASR.
13/7/65	H	Fire Station borehole. Intermittent short periods of pumping c. 20 mins. 6,400 g.p.l. Drawdown 110-120 ft. Chlorides varied between 10,500 and 10,800 mg/l. The water smelt strongly analogous to nearby Thames! [Chloride of Thames water at high tide found to be 13,827 mg/l.] Pumped for further 1/2 hour at high tide, gave 4,900 g.p.l. (drawdown not recorded) with chloride of 10,500 mg/l. ASR pp. DAB.

Inf. from Kent R.A. in W.Q.
High chloride in July 1965 probably due to defective
lining tubes which allowed brackish Chalkwater to enter
Following inf. from inquiry - cl 15 1935 NWL-4 1/4 Sept.
- 1/2 Oct. 1964. mg/L 17/4/71

The revised abstract has been made in accordance with the cross-reference system given below which has been given by Kent R.A. + agreed by Reeds.

271 / 134 A-P
TQ67/44
A-P

<u>I.P.M.</u> <u>letter</u>	<u>I.P.M.</u> <u>name</u>	<u>I.P.M.'s</u> <u>identification with</u> <u>IGS</u> <u>record</u>	<u>notes</u>	<u>Old</u> <u>IGS</u> <u>site</u>	<u>IGS</u> <u>new</u> <u>letter</u>	<u>Date</u>
A	Greensand No. 1 (called No. 7 in 1965)	F		F	G	1930
B	Greensand No. 2 (called No. 4 in 1965)	G		G	H	1930
A (only Lennox on plan)	Lennox Pit				P	
B(")	" "				N	
C	Campbell Pit	E	attached to site of I.P.M.'s D. Record stamped D	M	F	1929
D	" " (Kather & Platt)		not registered but referred to and site taken for that of our erstwhile E	E	A	before 1927 probably from beginning of factory
E	Campbell Pit No. 3 (Allen pump)	D		D	E	1929
F	West Mill Sulzer	H	inf. written on A. Record stamped H was for our site C	B	K	1938
	West Mill South pump	A	had incorrect additional infor- mation added to it	A	B	1908
	West Mill East pump	B	its additional inf. had been assigned to H	C	C	1912
G	South Pit No. 1 Sulzer	J → K		K	L	1955
H	" " No. 2 Sulzer	K → L		L	M	1955
I	" " No. 3 Sulzer	I → J		J	J	1937
J	Ashton & Frost- Stuart Road	C		H	D	1915

REED PAPER GROUP LIMITED

IMPERIAL PAPER MILLS

Standing Water Levels (measured by the Mill).

Campbell Pit (Bore C)

and

E Greensand (Bores A & B)

Borehole:	Campbell Pit (C)			Carpenters Shop (A)		Fire Station (B)	
Top of Bore O.D.:	+13.00			+15.91*		+19.24	
Date	Feet below top	O.D. End of week	O.D. Start up	Feet below top (old)	O.D.	Feet below top	O.D.
1964							
Fri. 23rd Oct.	19'7"	-6.6		14'5"	+1.4	21'2"	-2.0
Mon. 26th "	19'1"		-6.1	14'3"	+1.6	22'5"	-3.2
Fri. 30th "	20'6"	-7.5		15'11"	+0.0	26'2"	-7.0
Mon. 2nd Nov.	19'7"		-6.6	16'10"	-0.9	22'0"	-2.8
Fri. 6th "	20'5"	-7.4		15'11"	+0.0	22'11"	-3.7
Mon. 9th "	19'5"		-6.4	16'2"	-0.3	23'1"	-3.9
Fri. 13th "	21'2"	-8.2		16'4"	-0.4	25'0"	-5.8
Mon. 16th "	19'6"		-6.5	15'10"	+0.1	22'4"	-3.1
Fri. 20th "	20'5"	-7.4		17'3"	-1.4	23'5"	-4.2
Mon. 23rd "	18'0"		-5.0	16'8"	-0.8	22'4"	-3.1
Fri. 27th "	19'8"	-6.7		17'4"	-1.4	22'11"	-3.7
Mon. 30th "	19'3"		-6.3	17'0"	-1.1	20'5"	-1.2
Mon. 7th Dec.	19'2"		-6.2	17'10"	-1.9	21'10"	-2.6
Mon. 14th "	19'3"		-6.3	18'3"	-2.4	20'4"	-1.1
Mon. 21st "	20'2"		-7.2	21'0"	-5.1	25'3"	-6.1
Mon. 28th "	13'10"		-0.8	14'9"	+1.1	16'7"	+2.6
1965							
Mon. 4th Jan.	18'8"		-5.7	20'0"	-4.1	20'2"	-1.0
Mon. 11th "	18'2"		-5.2	20'5"	-4.5	23'10"	-4.6
Mon. 18th "	18'11"		-5.9	17'5"	-1.5	21'3"	-2.1

* top of pipe now 22" higher.

Note: Abstraction rate increased to 22,000 g.p.h. 3.12.64

" reduced to 20,000 g.p.h. 12.1.65

For previous results see Table LAB.W.E. 238/64.

TW/DB.
20.1.65.

T. Waldmeyer.
T. Waldmeyer.



LAB. W.E. 273/65.

REED PAPER GROUP LIMITED

IMPERIAL PAPER MILLS

Standing Water Levels ^①

Campbell Pit (Bore C)

and

Greensand (Bores A & B)

271/134
TQ67/44
EGH

Borehole:	Campbell Pit (C)		Carpenters Shop (A)		Fire Station (B)	
Top of Bore (O.D.):	+13.00		(+15.91)*		+19.24	
Date	Feet below top	O.D.	Feet below (old) top	O.D.	Feet below top	O.D.
1965						
Mon. 25th January	18'3"	-5.3	20'8"	-4.8	21'4"	-2.1
" 1st February	18'6"	-5.5	20'10"	-4.9	21'8"	-2.5
" 8th "	17'10"	-4.8	22'10"	-6.9	21'4"	-2.1
" 15th "	18'8"	-5.7	22'7"	-6.7	21'2"	-2.0
" 22nd "	17'3"	-4.3	23'9"	-7.9	22'0"	-2.8
" 1st March	19'7"	-6.6	23'5"	-7.5	22'2"	-3.0
" 8th "	17'11"	-4.9	23'6"	-7.6	24'0"	-4.8
" 15th "	18'9"	-5.8	23'4"	-7.4	21'9"	-2.6
" 22nd "	17'2"	-4.2	24'9"	-8.9	21'9"	-2.6
" 29th "	16'8"	-3.7	25'3"	-9.4	21'3"	-2.1

① Measured by the Mill on Mondays after start-up.

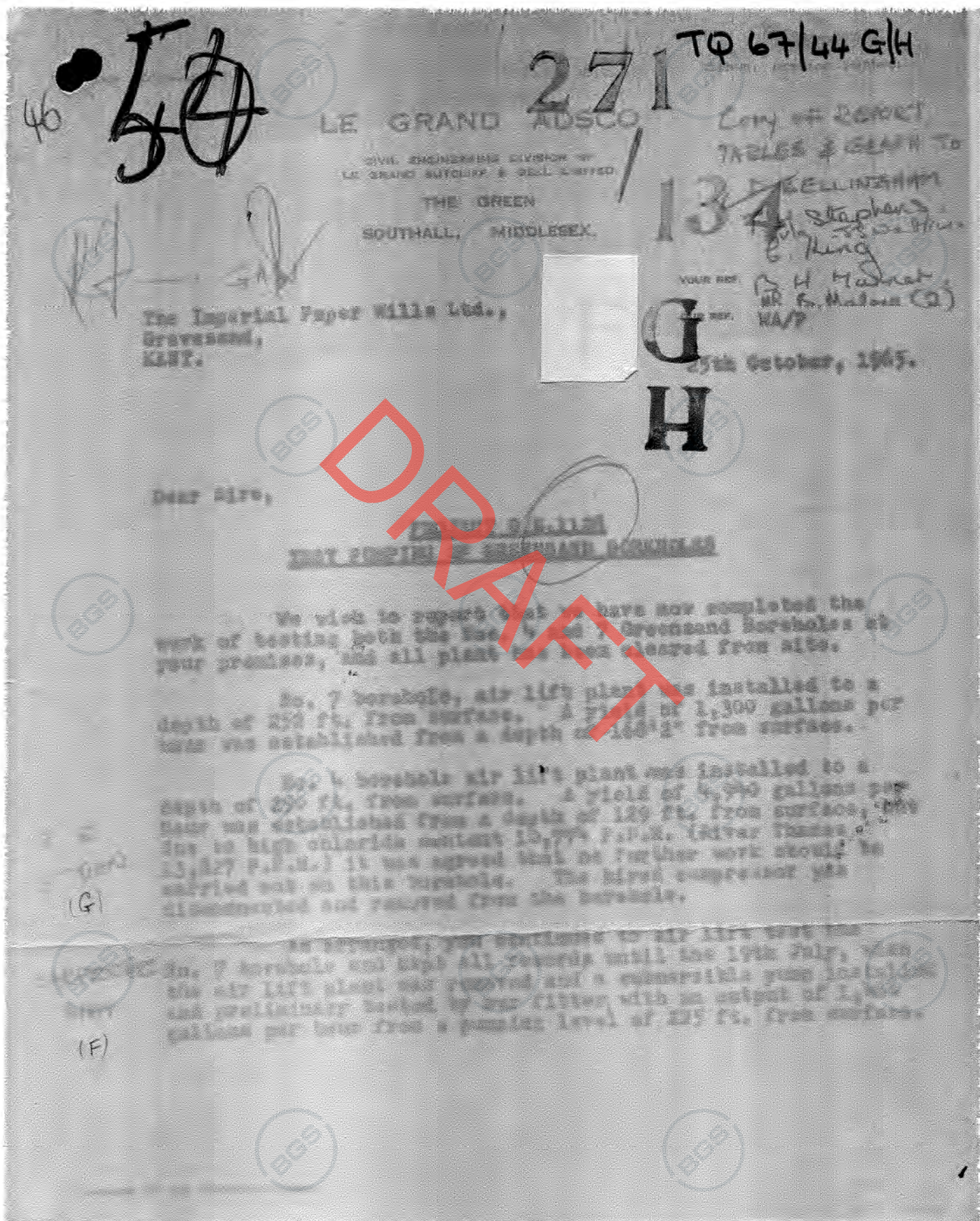
* Top of pipe now 22" higher.

Note: Abstraction rate reduced to 18,000 g.p.h. 4.3.65. (Campbell Pit).

For previous results see Table LAB.W.E.261/65.

TW/DB.
1. 4. 65.

pp J. Waldmeyer B.
T. Waldmeyer.



TQ67/44G.H

271

134

G
H

The pump was then left for you to carry out experimental testing until the 10th August, when all tackle was withdrawn from the borehole and cleared from site, except for the balance of plant which had returned to Northall. This was cleared from site 27th September.

From the recovery figures taken by you on No. 7 borehole, we have prepared a recovery curve enclosing three copies of each of the following:

- 1. Air lift test on No. 4 Borehole.
- 2. Air lift test on No. 7 Borehole.
- 3. Recovery test on No. 7 Borehole.
- 4. Recovery test on No. 7 Borehole.

We very much regret the delay in submitting our final report, but unfortunately our Mr. Hetherington has been away since for a lengthy period and has only recently returned to business. He now had opportunity to study the recovery curve, and we are pleased to offer his final conclusions and recommendations.

The recovery curve indicates that a good supply of water should be available, but unfortunately there has been an increase in salinity with an increase in pumping rate. Whether the increase in salinity is due to perforation of the lining in the Chalk or to contamination from No. 7 borehole, it is difficult to say.

The specific capacity of the borehole is low, but this is probably due to incrustation and does not necessarily indicate a reduction in the quantity of water available in the formation.

The evidence from the tests is not conclusive in establishing that a supply of up to 10,000 gallons per hour can be obtained from a new borehole properly constructed, but it is considered likely that such a supply can be obtained.

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271 / TQ67/44G+
134 H

Both boreholes should be sealed as soon as possible so as to ensure that no contamination of the Greensand water can take place through infiltration of poor quality water from the Chalk.

We trust that the information given will assist you in your final survey of your water problems.

Yours faithfully,
LE GRAND ADSCO.

W. Adams.

DRAFT

G
H

58⁵⁶

271
TQ67/44H
134
H

Test Pumping from Porahala near Fire Station.

Date 2-7-65

Time Sampled	mls Titrated	Titre mls N/10 AgNO ₃	ppm. Cl	Remarks
15.15	100	1.6	56.8	Start up.
15.45	10	30	10,650	Fairly clear sample
16.40	10	30.5	10,827	Cloudy sample with black pptd. solid
17.15	10	30.35	10,774	Sea-water is
17.20	10	30.35	10,774	13,827 ppm Cl.
17.35	10	30	10,650	Flow reduced
18.05	10	29.65	10,526	
18.30	10	29.75	10,561	Pump shut.

Results.

ppm Cl = $\frac{\text{titres} \times 5550}{\text{vol. of sample}}$



57 **TQ67/44H**

LE GRAND, BUTCLIFF & SELL, LTD. SOUTHALE, MIDDX.

PUMPING TEST BY AIR LIFT

Imperial Paper Mills.

SHEET No. 2 of 2

DATE 2. 7. 65.

271 **134H**

Type of Well (Use or Add) 90° Well

Existing Water Level 43 A.R.S.

Revs. of Compressor

Volume of Air

Amperage

Volts

Time	Pumping Water Temp	Water Level	Flow rate (G.P.M.)	Yield in Galls. per hour	Condition of Water	Remarks
7.45	3-15	23' 0"	100			56.1 P.P.M. Chloride Content
8.00	3-20	23' 0"	95	5,400	Dirty	
8.30	3-30	24' 0"	82.5			10,451 P.P.M. Chloride Content.
8.45						Stopped pump to carry out adjustments.
8.50						
9.45	3-45	24' 0"	85	5,400		10,827 P.P.M. Chloride Content.
10.00	3-50	24' 0"	82.5	5,400		10,774 P.P.M.
10.10						
10.55						Thames 5.50 High tide
11.00						11,827 P.P.M.
11.05	3-55	24' 0"	85	5,400		
11.10						10,526 P.P.M. Chloride Content
11.30	3-50	23' 0"				Small like Thames
11.35						Stopped pumping



Electrical Conductivity Samples

Station.....No. 2. 602.....271/134 (g).....

Sampling point.....Shelf datum.....

Meter No.445.....

271 TQ 67/44H
134H

Date	Time	Depth	Electrical Conductivity	Notes	Date	Time	Depth	Electrical Conductivity
14.6.65	1600	140	525	500 from 120 - 140			190 195	550 600
		141	"				196	610
		142	"				197	625
		143	"				198	640
		144	"				199	650 +
		145	"				200	690
		146	"				201	730
		147	"				202	800
		148	"				203	825
		149	"				204	900
		150	"				205	1050
		151	"				206	1150
		152	"				207	1450
		153	"				208	1750
		154	"				209	2400
		155	"				210	3250
		156	"				211	4250
		157	"				212	5700 +
		158	"				213	7000
		159	"				214	8400
		160	"				215	8800
		161	"				216	9400
		162	"				217	9600
		163	"				218	9500
		164	"				219	9900
		165	"				220	9900
							221	10,000
							222	10,100
							223	11
							224	10200
							225	10200 +

DSB7884/113637 IM 3/61XL

9

55

Electrical Conductivity Samples

Station No. 2 bore = Greensand B

Sampling point Shelf datum

Meter No. 445

271 / ТФ67/44Н
134 Н

[illegible]



2953

Electrical Conductivity Samples

Station No 2 = Bensard B 271/134 (g)

Sampling point Shelf datum

Meter No. 445

271 TQ67/44H
134 H

Date	Time	Depth	Electrical Conductivity	Notes	Date	Time	Depth	Electrical Conductivity
14.6.65		645	15,500				800	15750
		650	15,000+				805	16000
		655	16000				810	16000
		660	15500				815	16000
		665	15500				820	15000
		670	15500				825	15500
		675	15500				830	15,000
		680	15500				835	15,000+
		685	15750				840	15500
		690	15500				845	15500
		695	15500				850	16000
		700	15000 -	Break lens			855	15750
		705	16000				860	"
		710	16,000	Total Solids			865	"
		715	16000	probably c. 1,000			870	"
		720	16000	-1100 mg/l			875	"
		725	16000				880	15500
		730	15500				885	15500
		735	15,500				890	15500
		740	15750				895	15,000+
		745	15500				900	14500
		750	15500					
		755	15,750					
		760	15,750					
		765	"					
		770	"					
		775	"					
		780	"					
		785	"					
		790	"					
		795	"					

DSB7884/113637 IM 3/61XL



Electrical Conductivity Samples

Station... No. 2. bore... = Greensand B

Sampling point... Shelf datum

Meter No. 445

271 TQ67/44H
134H

Date	Time	Depth	Electrical Conductivity	Notes	Date	Time	Depth	Electrical Conductivity
14.6.65		335	15,500				490	15,000
		340	15,500				495	15,000
		345	15,500				500	15,000
		350	15,500				505	15,500
		355	15,500				510	15,500
		360	15,000				515	15,000
		365	15,000 +				520	15,000
		370	"				525	15,000
		375	15,500				530	15,000
		380	15,500				535	15,000
		385	15,000				540	15,000
		390	15,000				545	15,000
		395	14,500				550	15,000 -
		400	14,500				555	15,000
		405	15,500				560	15,500
		410	15,000 +				565	15,500
		415	15,000 +				570	15,000
		420	15,000 +				575	15,000
		425	15,000				580	15,000 +
		430	15,000				585	15,500
		435	15,000				590	15,000
		440	15,000				595	15,000
		445	15,000				600	15,000
		450	15,000				605	15,500
		455	15,000				610	15,500
		460	15,000				615	15,500
		465	14,500				620	15,500
		470	15,000				625	15,000
		475	14,500				630	15,000
		480	15,000				635	15,000
		485	15,000				640	15,000



5 *Note. Results plotted on file.*
Electrical Conductivity Samples
Station... *No. 2 bore = Green sand bore B*
Sampling point... *Shelf datum*
Meter No. *445*

271 TQ67/44H
134 H

Date	Time	Depth	Electrical Conductivity	Notes	Date	Time	Depth	Electrical Conductivity
14.6.65	1453	25	390				180	500 -
		30	380				185	500
		35	375				190	500
		40	375				195	595
		45	375				200	560
		50	375				205	700
		55	375				210	1600
		60	375				215	8500
		65	375				220	11,000
		70	375				225	11,500
		75	380+				230	11,500
		80	390				235	11,500
		85	390				240	11,500
		90	400				245	11,500
		95	400				250	11,500
		100	410				255	13,500
		105	425				260	15,000
		110	425				265	15,000+
		115	425				270	15,000+
		120	440				275	15,500
		125	450				280	15,500
		130	450				285	15,500
		135	460				290	15,000
		140	460+				295	15,000+
		145	475				300	15,000+
		150	475+				305	15,500+
		155	475+				310	15,000+
		160	500 -				315	15,500
		165	500 -				320	15,500
		170	500 -				325	15,500
		175	500 -				330	15,500

DSB7884/113637 IM 3/61XL

THE IMPERIAL PAPER MILLS LIMITED

TECHNICAL SERVICES DEPARTMENT

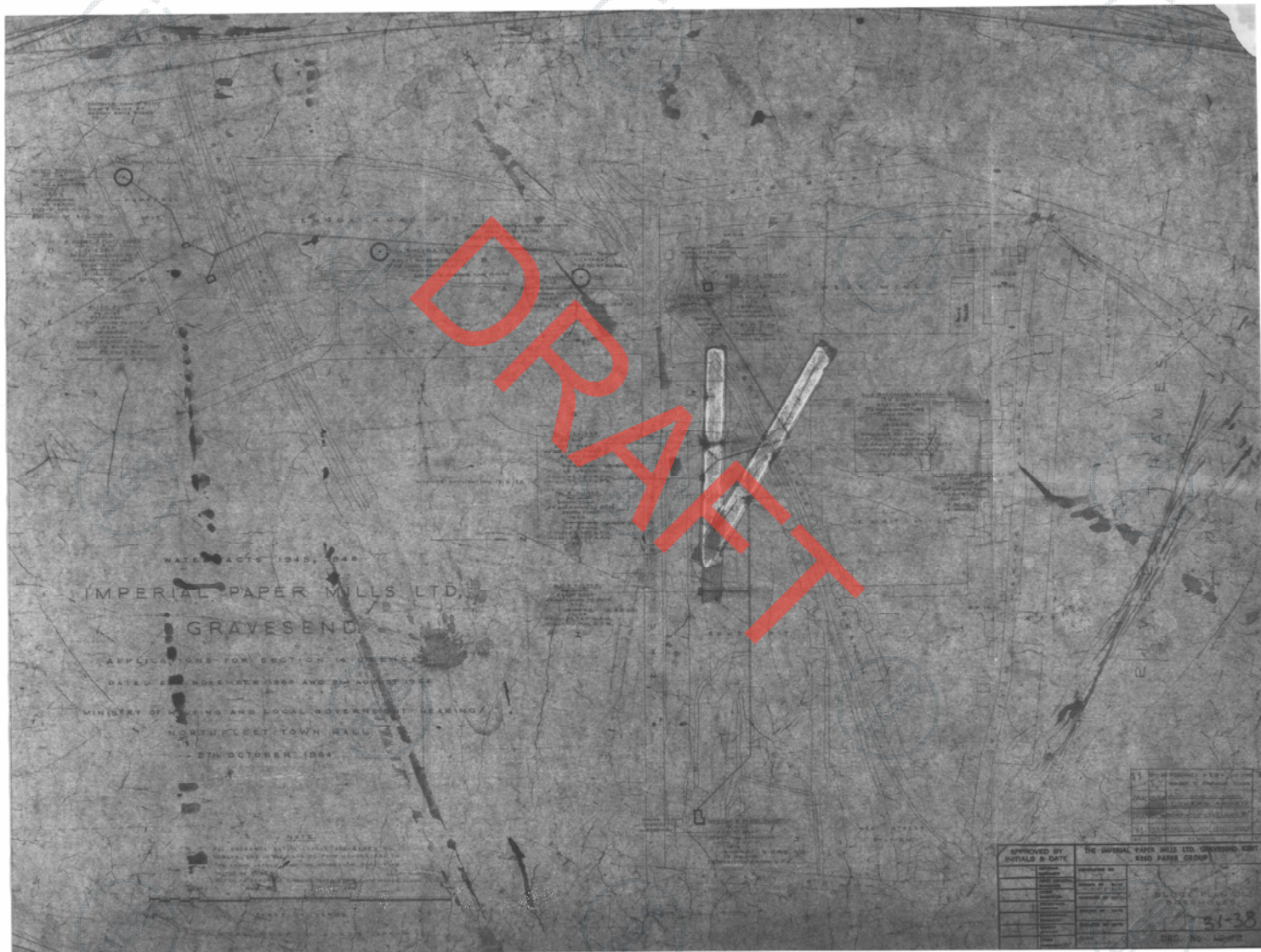
Chloride Content of Well Waters, w/c 12th June, 1967

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TQ67/44

Well	Observation	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	Mean
1	Time								
	Chloride p.p.m. Cl.								
	Pressure, ft. water								
	Depth, feet								
	Flow g.p.h.								
2	Time	7.0am	12.0 noon	7.0am	10.30am	6.30am	7.0am	7.0am	
	Chloride p.p.m. Cl.	3,195	3,265	3,195	3,195	3,480	3,430	3,265	3,286
	Pressure, ft. water	105	105	105	105	105	105	105	
	Depth, feet								
	Flow g.p.h.	54,000	54,000	54,000	54,000	54,000	54,000	54,000	
	Total Flow g.p.h.								*
3	Time	6.30am	12.0 noon	7.0am	10.30am	6.30am	7.0am	7.0am	
	Chloride p.p.m. Cl.	5,055	2,840	3,335	2,840	2,910	2,840	2,830	2,951
	Pressure, ft. water	120	120	120	120	120	120	120	
	Depth, ft.								
	Flow g.p.h.	96,000	96,000	96,000	96,000	96,000	96,000	96,000	
West Mill	Time	7.0am	12.0 noon	4.0pm	10.0am	7.30am		10.0am	
	Chloride p.p.m. Cl.	4,970	5,680	5,465	5,395	5,325		5,395	5,372
	Pressure, ft. water	55	50	55	50	55		55	
	Depth, feet								
	Flow g.p.h.	36,000	30,000	36,000	30,000	36,000		36,000	
Campbell Pit C.	Time								
	Chloride p.p.m. Cl.								
	Pressure ft. water								
	Depth								
	Flow g.p.h.								
Campbell Pit E.	Time	4.45pm	3.45pm	3.0pm	4.0pm	4.30pm	10.0am	10.0am	
	Chloride p.p.m. Cl.	41.7	42.6	43.5	42.6	43.5	42.6	43.5	42.9
	Pressure ft. water	120	120	120	120	120	120	120	
	Depth	19' 11"	20' 4"	20' 11"	21' 2"	21' 3"	21' 2"	20' 0"	
	Flow g.p.h.								

Mr. S.H. Letley (2)
Mr. T.M. Stephens
Mr. D.C. Bellingham
Mr. G.A. Grubb
Mr. J. Travis
Mr. R.C. Faint (2)
Mr. D. Morton
Mr. I.E. Goodhew





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LUSTRE
CONSULTING

Unit 42 & 43, Joiners Shop, The Historic Dockyard, Chatham,
Kent. ME4 4TZ

e: info@lustreconsulting.com | t: 01634 757 705

www.lustreconsulting.com