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

Project Name	44-46 The Grove - Gravesend
Client	The Substantia Group Ltd
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RevA	Sep 2025	ME	Updated site plan

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Contents

1.0 Introduction 4
2.0 Land Use 8
3.0 Sensitivity & Anthropology 19
4.0 Conclusions & Next Steps 27

Figures

Figure 1 Site Location Plan 5
Figure 2 Proposed Development Plan 6
Figure 3 Aerial Imagery 8

Tables

Table 1 Site Details 4
Table 2 Regulatory Information 12
Table 3 Off Site History 16
Table 4 Ground Hazards On-Site 20
Table 5 BGS Sites & Radon 21

Appendices

APPENDIX A: Envirocheck Report
APPENDIX B: Historical Maps
APPENDIX C: Borehole Information

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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.

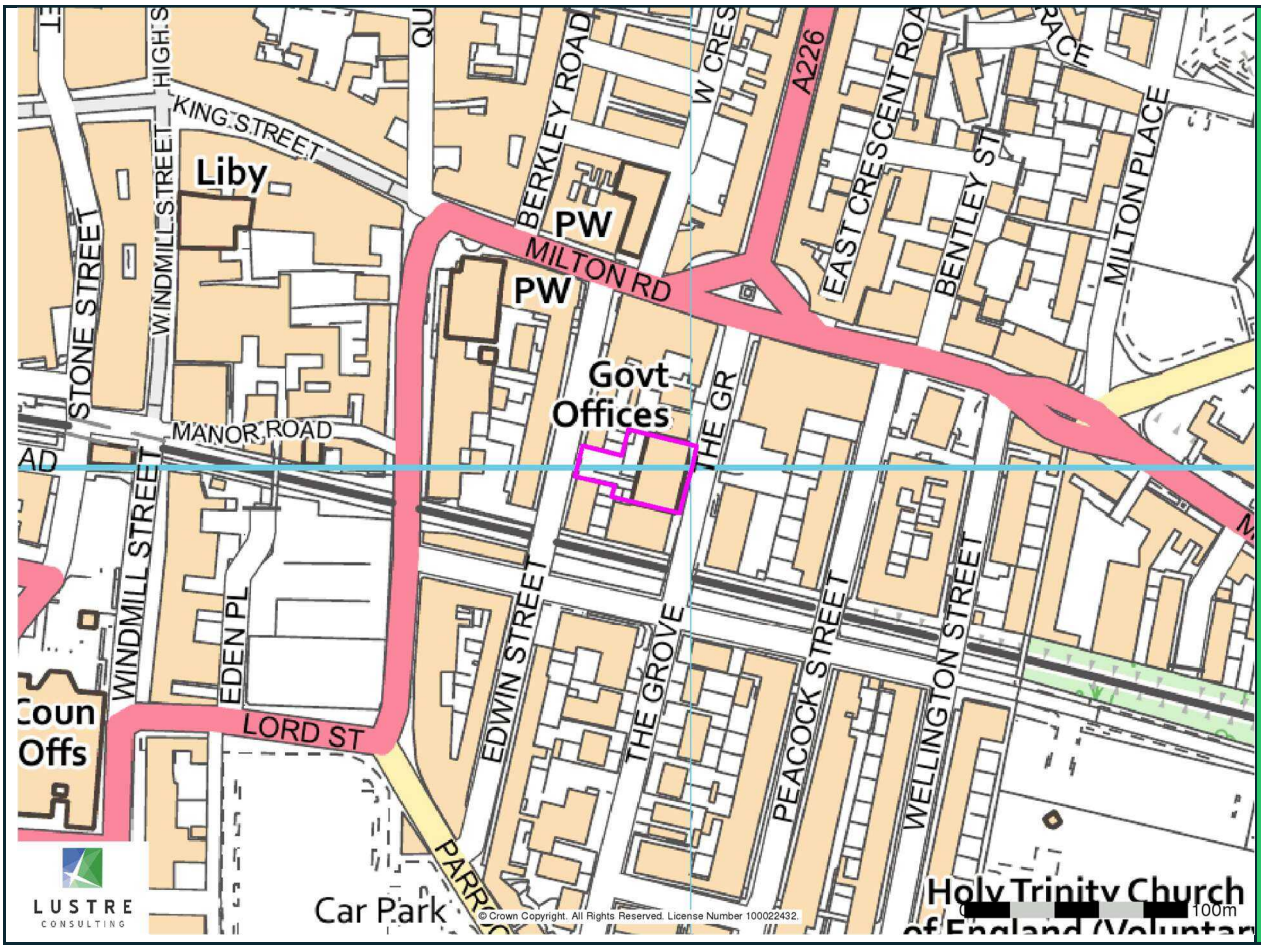

Figure 1 Site Location Plan

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.

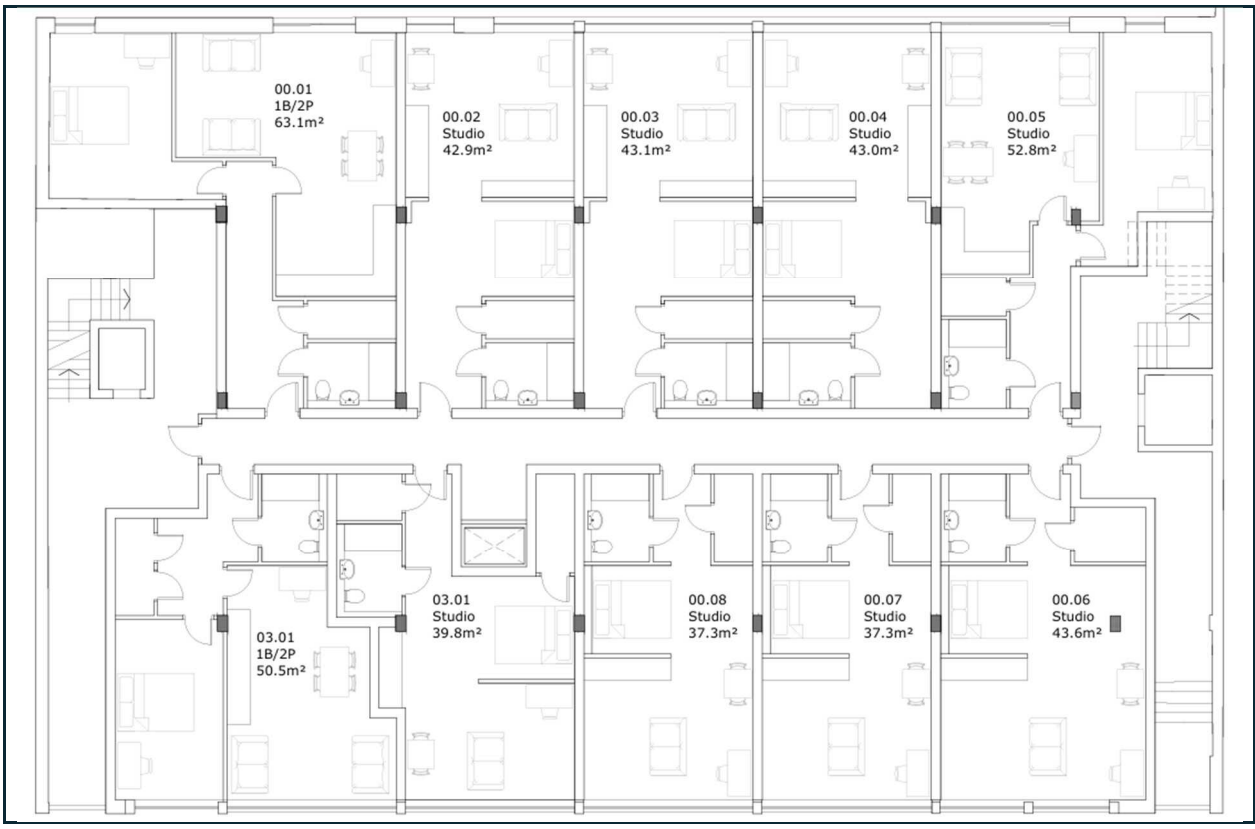

Figure 2 Proposed Development Plan

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.

Figure 3 Aerial Imagery

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.

Table 3 Off Site History

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 website[3] have been reviewed to determine the aquifer designations.

[3] Information from DEFRA Website: www.magic.defra.gov.ukconsulted 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 a 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 I.

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.

Conceptual Site Model

CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT

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44-46 The Grove - Gravesend

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 JUSTIFICATION NOTES
		PATHWAY	RECEPTOR	LIKELIHOOD OF OCCURRENCE	CONSEQUENCE (SEVERITY)	POTENTIAL RISK	
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**	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**	
NATUAL 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 conversionand 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 putresible 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 I.
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 discontinous 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.

44-46 The Grove - Gravesend

LUSTRE CONSULTING

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 JUSTIFICATION NOTES
SOURCE	POTENTIAL CONTAMINANTS	PATHWAY	RECEPTOR	LIKELIHOOD OF OCCURRENCE	CONSEQUENCE (SEVERITY)	POTENTIAL RISK	
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 maintanence 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 discontinous 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 (crica 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 tool[9.] 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 necessary 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 the 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

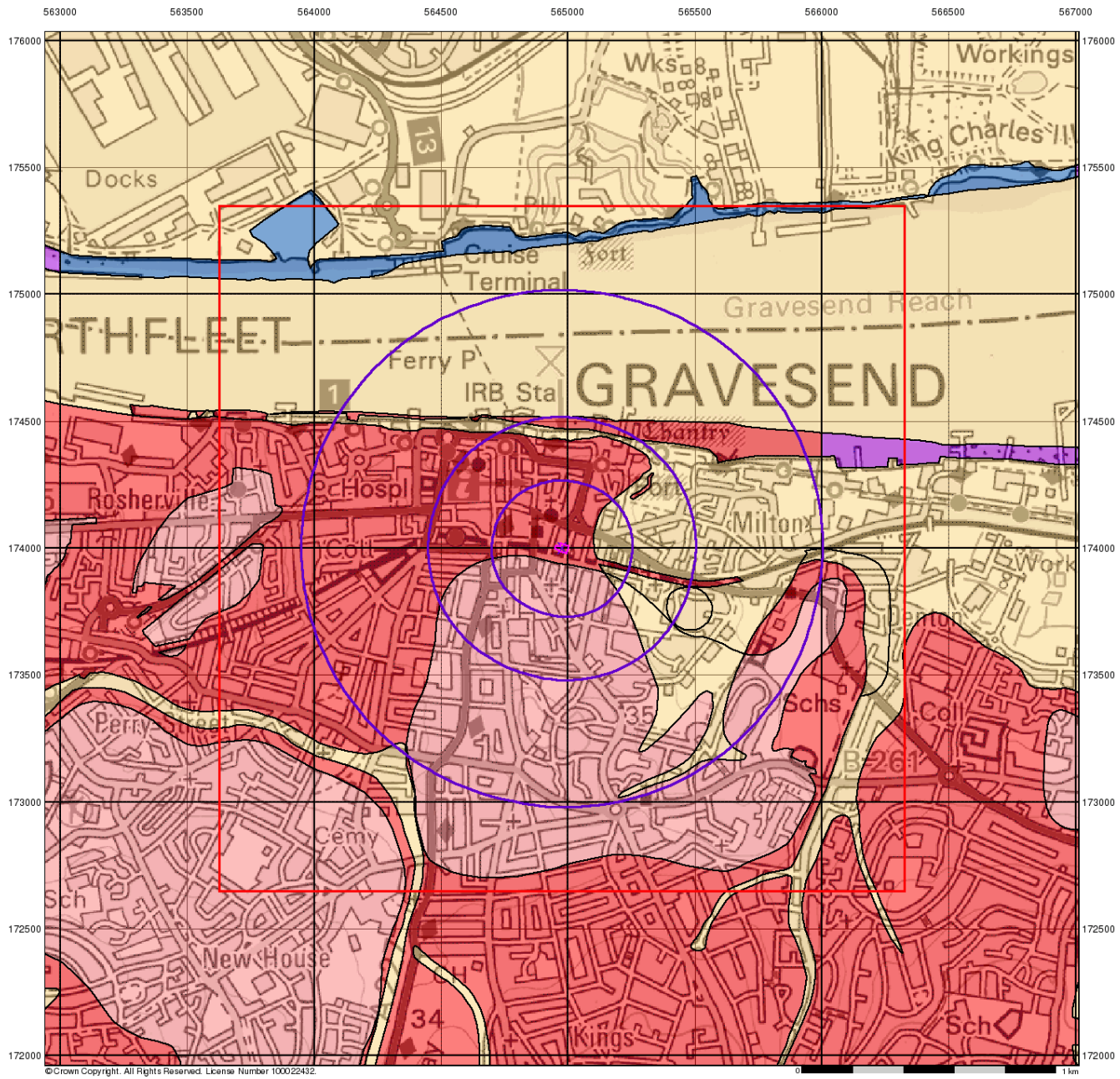
Description of the Classified Risks and Likely Action Required

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.

APPENDIX A: Envirocheck Report



LUSTRE CONSULTING

Groundwater Vulnerability

General

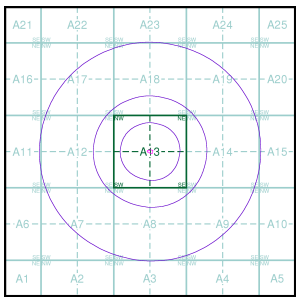
Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer
Soluble Rock

Site Sensitivity Context Map - Slice A



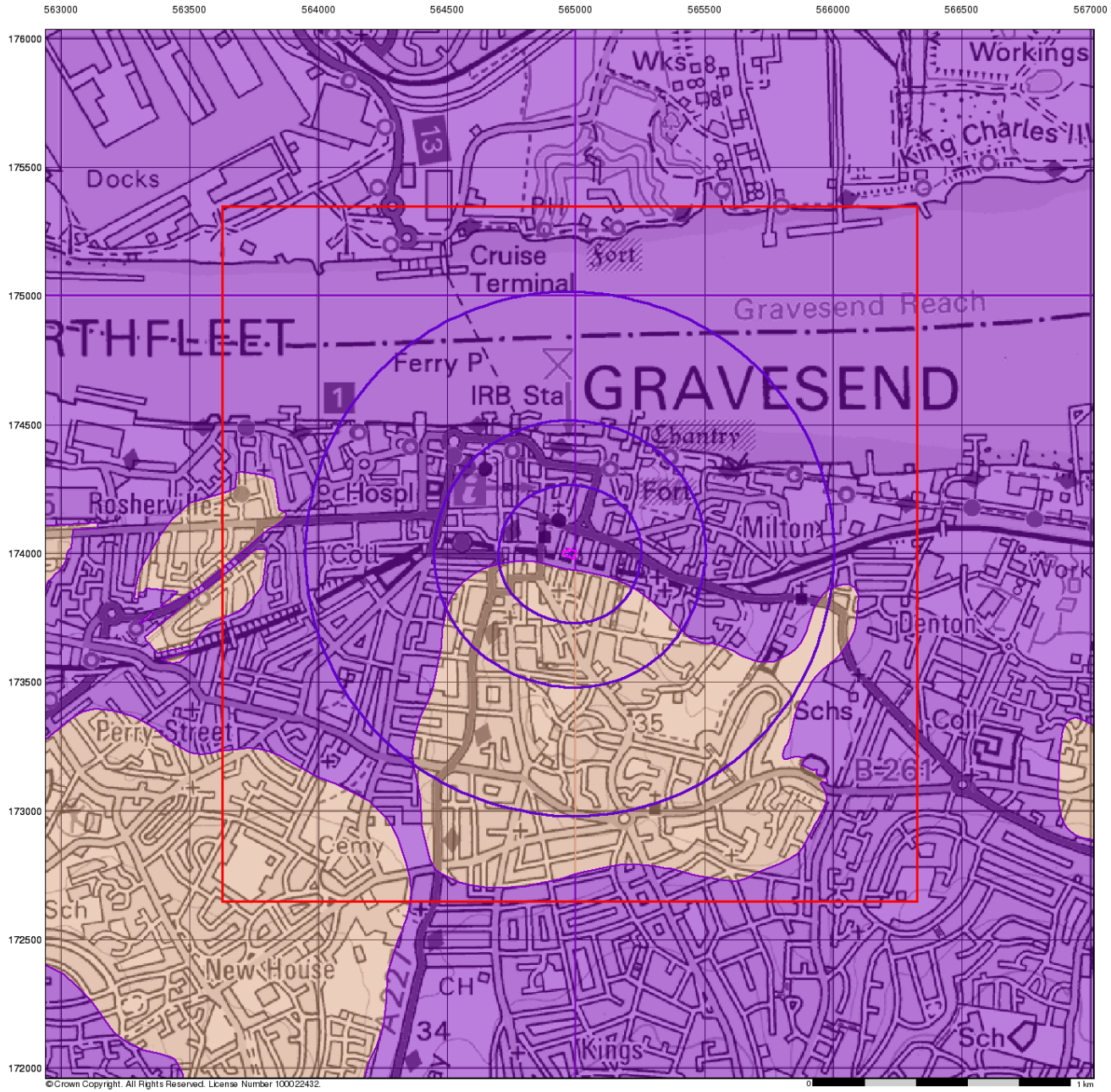
N

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



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0 1 km

LUSTRE CONSULTING

Bedrock Aquifer Designation

General

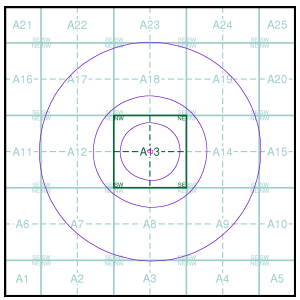
Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

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



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Order Details

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Customer Ref:	4749
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Site Area (Ha):	0.13
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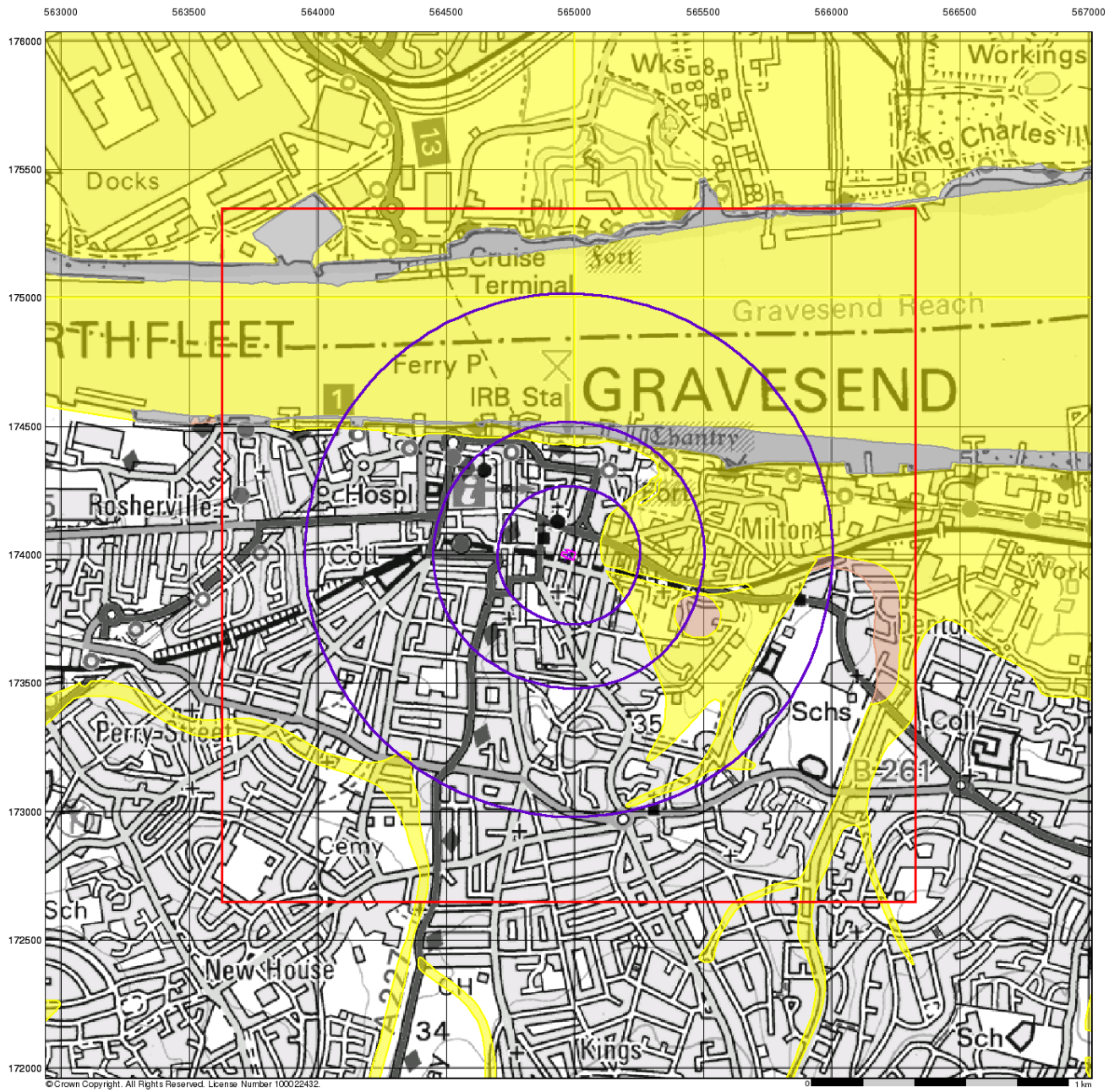
Site Details

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



LUSTRE CONSULTING

Superficial Aquifer Designation

General

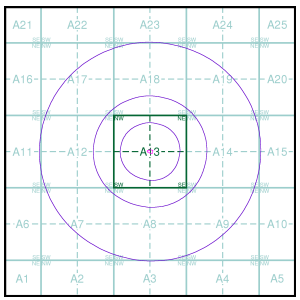
Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



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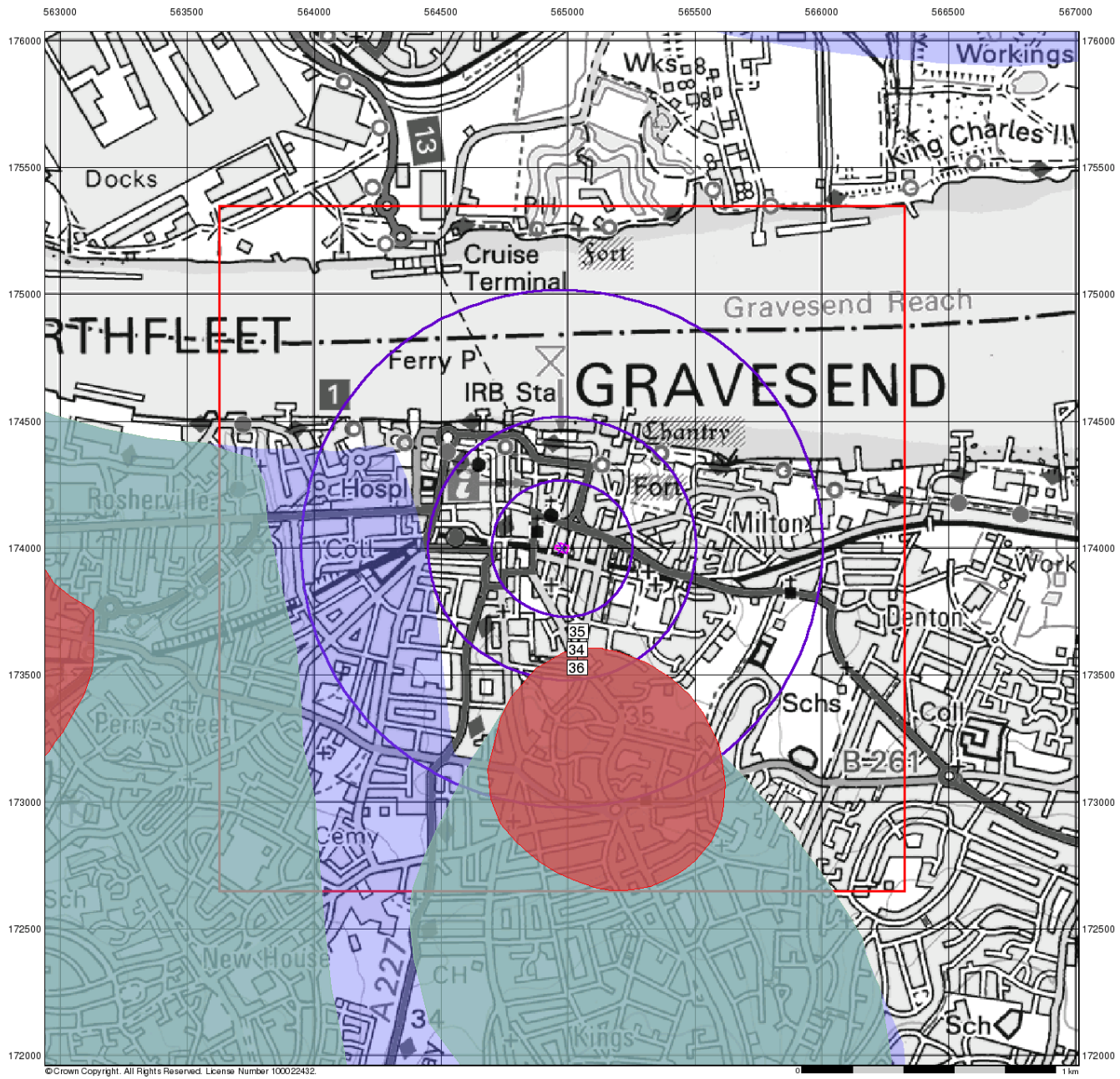
Order Details

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



LUSTRE CONSULTING

Source Protection Zones

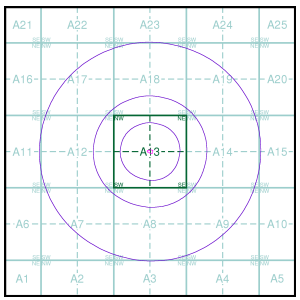
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



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Order Details

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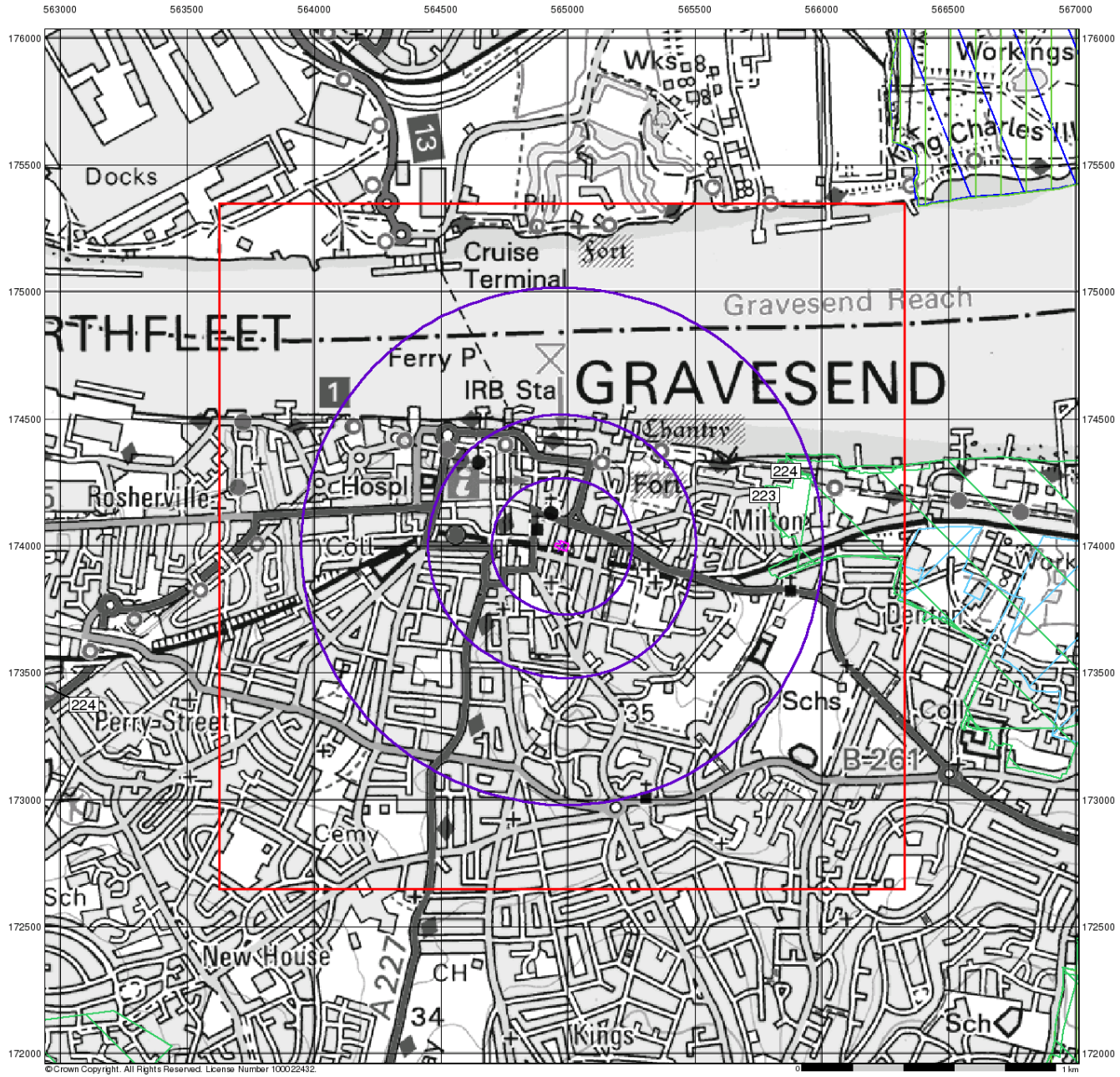
Customer Ref:	4749
National Grid Reference:	564980, 174000
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

Site Details

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

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



LUSTRE CONSULTING

Sensitive Land Uses

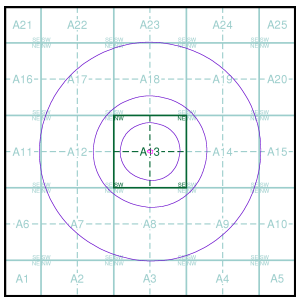
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



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Order Details

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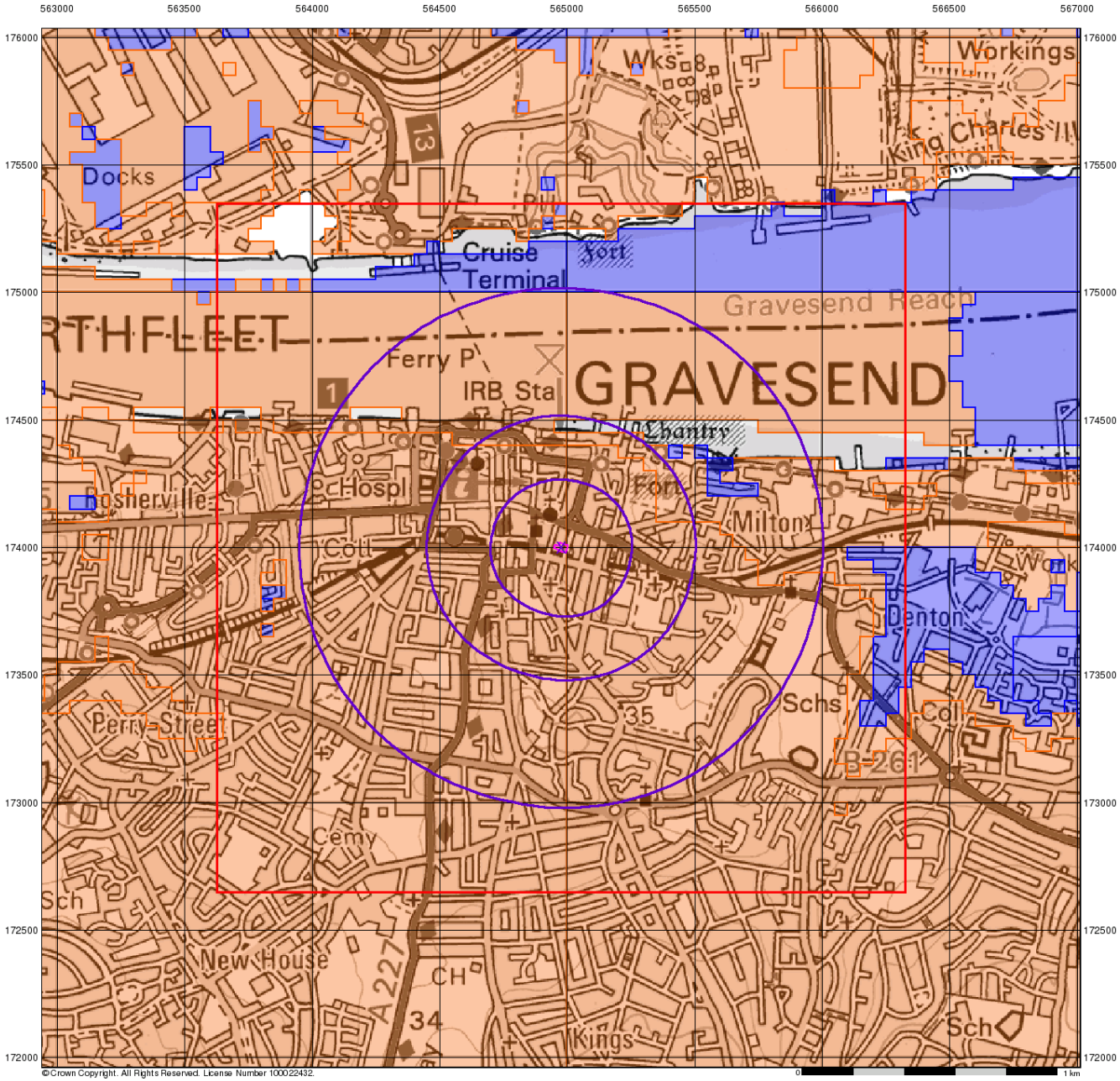
Site Area (Ha):	0.13
Search Buffer (m):	1000

Site Details

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



LUSTRE CONSULTING

BGS Flood GFS Data

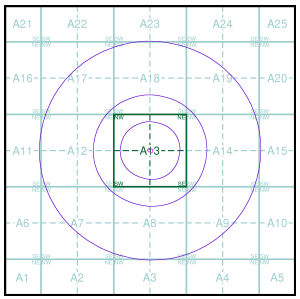
General

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



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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

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

Contents

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

Summary

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

Summary

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					

Summary

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					

Summary

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					

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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Freshwater Stream/River 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Freshwater Stream/River 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Freshwater Stream/River 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Freshwater Stream/River 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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: Cssb.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 Environment: Saline Estuary 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 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 Environment: Saline 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 Environment: Saline 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 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: Discharge Of Other Matter-Surface Water Discharge Environment: Saline Estuary 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 0bs 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 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)	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 0bs 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 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 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 Environment: Saline Estuary 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 Environment: Saline Estuary 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 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)	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 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 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 Environment: Saline Estuary 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 Environment: Land/Soakaway 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 Environment: Land/Soakaway 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 Environment: Land/Soakaway 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 Environment: Land/Soakaway 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 Environment: Land/Soakaway 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

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 Type: Deposited Waste included Inert Waste 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 Type: Deposited Waste included Inert Waste 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 Type: Deposited Waste included Inert and Commercial Waste 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 Type: Deposited Waste included Inert Waste 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

Hazardous Substances

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

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 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	A8SE (S)	668	1	564983 173312
	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	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 Detail: No Details	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 Detail: No Details	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 Detail: Worked Ground	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 Detail: No Details	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 Detail: Worked Ground	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 Detail: No Details	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: Goreray 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 Commercials 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: Iics 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, Fisgard 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 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
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

Sensitive Land Use

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

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

Data Currency

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

Data Currency

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	January 2009	Not Applicable
Environment Agency - Southern Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Eastern Area	August 2024	Quarterly
Environment Agency - South East Region - Kent & South London Area	August 2024	Quarterly
Environment Agency - Southern Region - Kent Area	August 2024	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	August 2024	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Eastern Area	July 2024	Quarterly
Environment Agency - South East Region - Kent & South London Area	July 2024	Quarterly
Environment Agency - Southern Region - Kent Area	July 2024	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	July 2024	Quarterly
Local Authority Landfill Coverage		
Dartford Borough Council - Environmental Health Department	February 2003	Not Applicable
Gravesham Borough Council	February 2003	Not Applicable
Kent County Council - Waste Management Group	February 2003	Not Applicable
Medway Council - Environmental Protection Department	February 2003	Not Applicable
Thurrock Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Dartford Borough Council - Environmental Health Department	October 2018	
Gravesham Borough Council	October 2018	
Kent County Council - Waste Management Group	October 2018	
Medway Council - Environmental Protection Department	October 2018	
Thurrock Borough Council - Environmental Health Department	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	March 2006	Not Applicable
Environment Agency - Southern Region - Kent Area	March 2006	Not Applicable
Environment Agency - Southern Region - Kent and East Sussex	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Eastern Area	April 2018	
Environment Agency - Southern Region - Kent Area	April 2018	
Environment Agency - Southern Region - Kent and East Sussex	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Anglian Region - Eastern Area	June 2015	
Environment Agency - Southern Region - Kent Area	June 2015	
Environment Agency - Southern Region - Kent and East Sussex	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	December 2015	Variable
Medway Council	February 2016	Variable
London Port Health Authority - Environmental Services	January 2008	Annual Rolling Update
Dartford Borough Council	June 2023	Variable
Kent County Council	May 2023	Variable
Gravesham Borough Council	October 2015	Variable
Planning Hazardous Substance Consents		
Thurrock Borough Council - Development Control	December 2015	Variable
Medway Council	February 2016	Variable
London Port Health Authority - Environmental Services	January 2008	Annual Rolling Update
Dartford Borough Council	January 2016	Variable
Kent County Council	January 2016	Variable
Gravesham Borough Council	October 2015	Variable

Data Currency

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

Data Currency

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	

Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	April 2024	Bi-Annually
Areas of Adopted Green Belt		
Dartford Borough Council	July 2024	Quarterly
Gravesham Borough Council	July 2024	Quarterly
Medway Council	July 2024	Quarterly
Thurrock Borough Council - Development Control	July 2024	Quarterly
Areas of Unadopted Green Belt		
Dartford Borough Council	July 2024	Quarterly
Gravesham Borough Council	July 2024	Quarterly
Medway Council	July 2024	Quarterly
Thurrock Borough Council - Development Control	July 2024	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)	April 2016	
Environment Agency - Head Office	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

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA Scottish Environment Protection Agency
The Coal Authority	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	Cyfoeth Naturiol Cymru Natural Resources Wales
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE
Natural England	NATURAL ENGLAND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	Stantec

Useful Contacts

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

Useful Contacts

Contact	Name and Address	Contact Details

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

APPENDIX B: Historical Maps

Historical Mapping Legends

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

Quarry
Gravel Pit
Sand Pit
Clay Pit
Shingle
Refuse Heap
Sloping Masonry
Flat Rock
Marsh
Reeds
Osiers
Rough Pasture
Furze
Wood
Mixed Wood
Brushwood
Orchard
Fir
Ford
Stepping Stones
Ferry
Waterfall
Lock
Trig. Station
507 Altitude at Trig. Station
B.M.325·9 Bench Mark
342 Surface Level
Arrow denotes flow of water
Antiquities (site of)
Cutting
Embankment
Railway crossing Road
Level Crossing
Road crossing Railway
Railway crossing River or Canal
Road over single stream
Road over River or Canal
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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

Inactive Quarry, Chalk Pit or Clay Pit
Active Quarry, Chalk Pit or Clay Pit
Rock
Boulders
Cliff
Slopes
Top
Roofed Building
Glazed Roof Building
Sloping Masonry
Archway
Non-Coniferous Tree (surveyed)
Coniferous Tree (surveyed)
Non-Coniferous Trees (not surveyed)
Coniferous Trees (not surveyed)
Orchard Tree
Scrub
Bracken
Coppice, Osier
Reeds
Marsh, Saltings
Rough Grassland
Heath
Culvert
Direction of water flow
Bench Mark
Antiquity (site of)
Cave Entrance
Triangulation Station
Electricity Pylon
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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

Cliff
Slopes
Top
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Positioned Boulder
Scree
Non-Coniferous Tree (surveyed)
Coniferous Tree (surveyed)
Non-Coniferous Trees (not surveyed)
Coniferous Trees (not surveyed)
Orchard Tree
Scrub
Bracken
Coppice, Osier
Reeds
Marsh, Saltings
Rough Grassland
Heath
Culvert
Direction of water flow
Triangulation Station
Antiquity (site of)
Electricity Transmission Line
Electricity Pylon
BM 231.60m Bench Mark
Buildings with Building Seed
Roofed Building
Glazed Roof Building
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

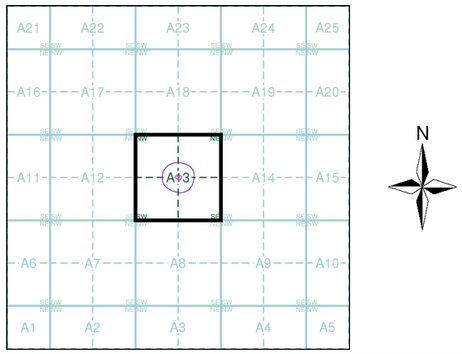
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

LUSTRE CONSULTING

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

Landmark INFORMATION GROUP
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Kent

Published 1874

Source map scale - 1:2,500

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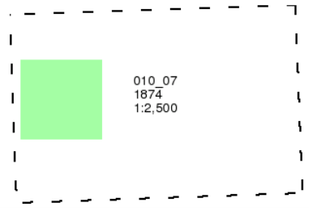
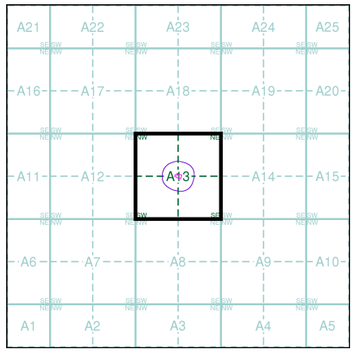
Map Name(s) and Date(s)



Historical Map - Segment A13



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Search Buffer (m):	100

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Published 1897

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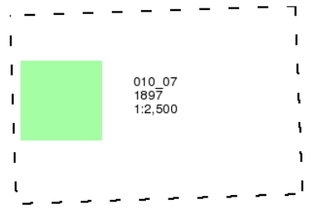
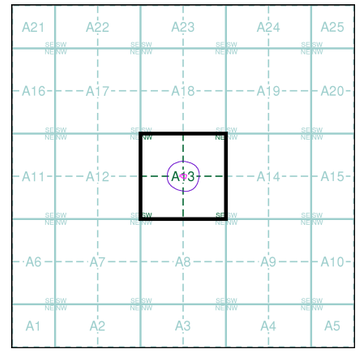
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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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 1909

Source map scale - 1:2,500

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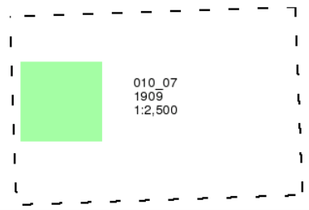
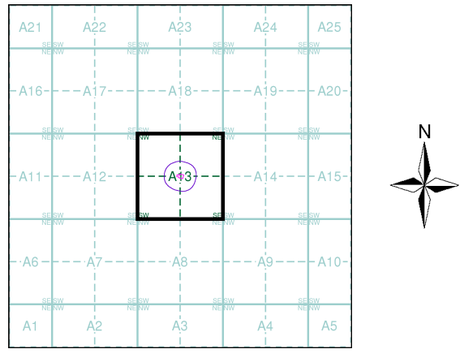
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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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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Published 1936

Source map scale - 1:2,500

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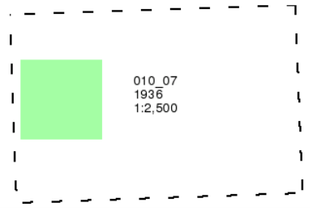
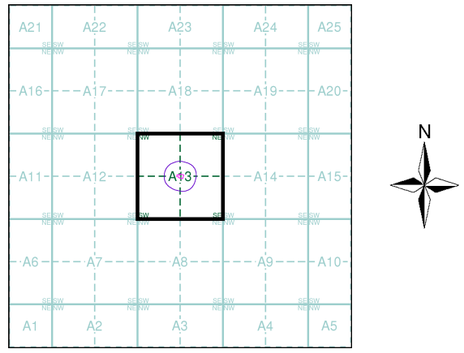
Map Name(s) and Date(s)



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
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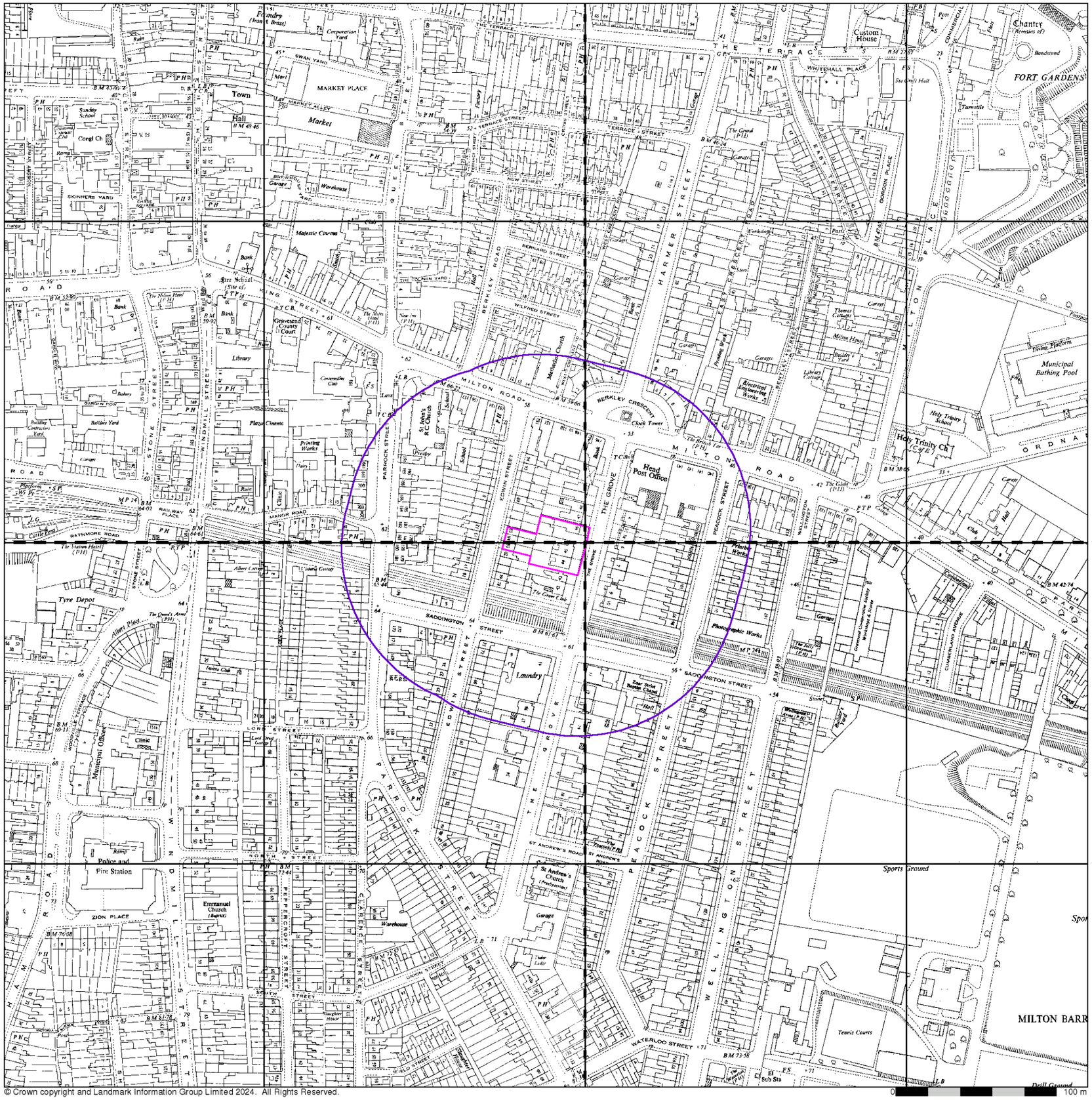
Web: www.envirocheck.co.uk



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LUSTRE CONSULTING

Ordnance Survey Plan

Published 1954

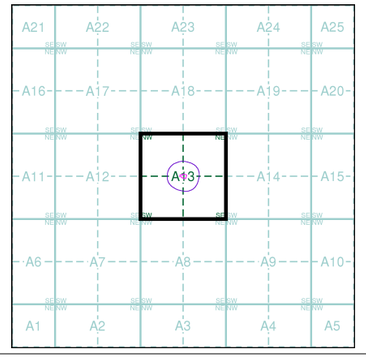
Source map scale - 1:1,250

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)

TQ6474SE 1954 1:1,250	TQ6574SW 1954 1:1,250
TQ6473NE 1954 1:1,250	TQ6573NW 1954 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

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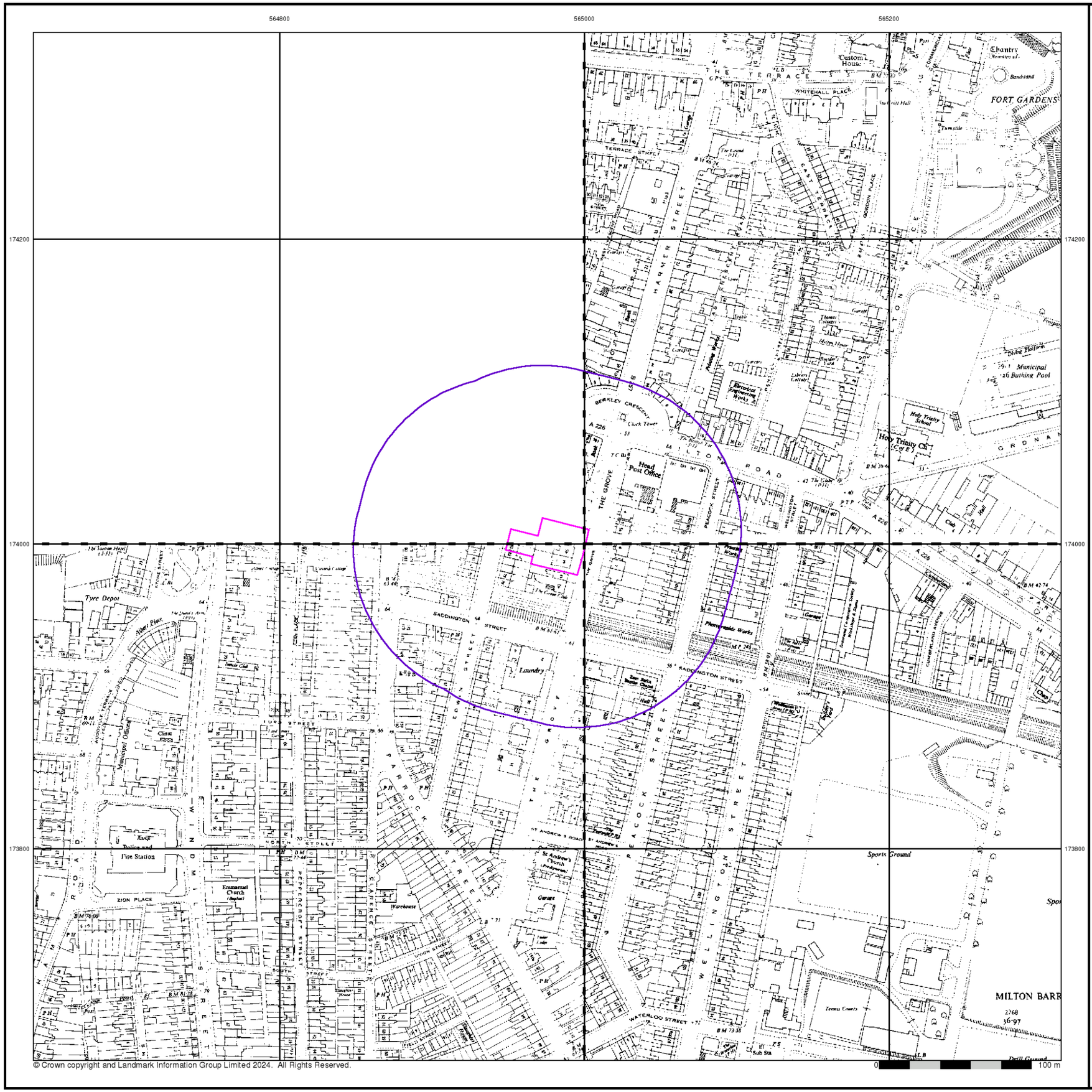

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LUSTRE CONSULTING

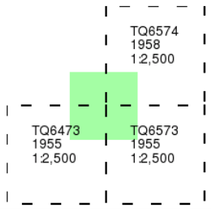
Ordnance Survey Plan

Published 1955 - 1958

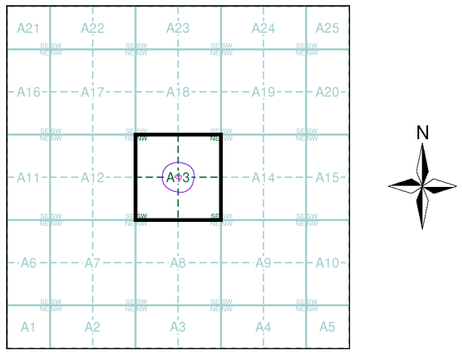
Source map scale - 1:2,500

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

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Site Area (Ha):	0.13
Search Buffer (m):	100

Site Details

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

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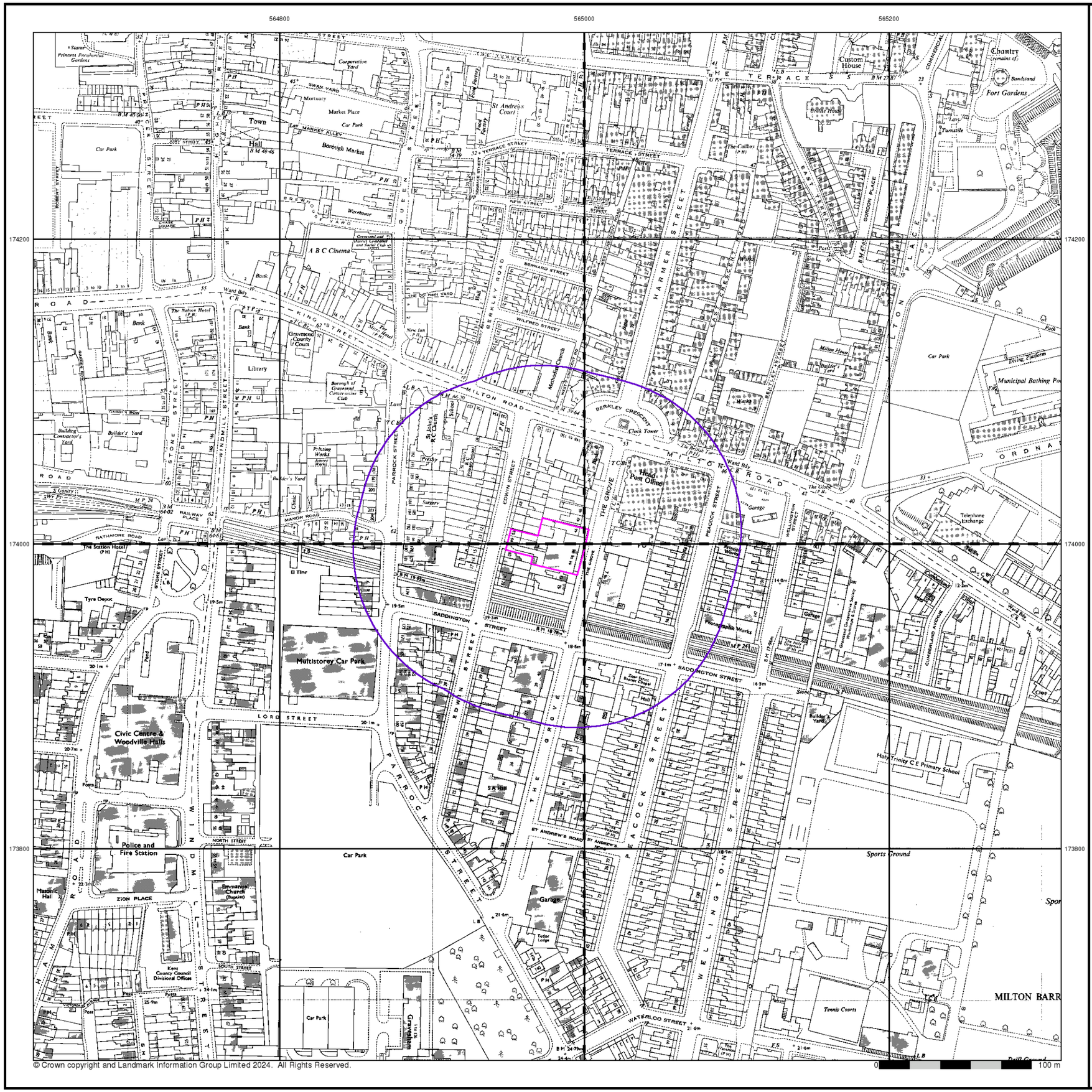

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LUSTRE CONSULTING

Ordnance Survey Plan

Published 1964 - 1972

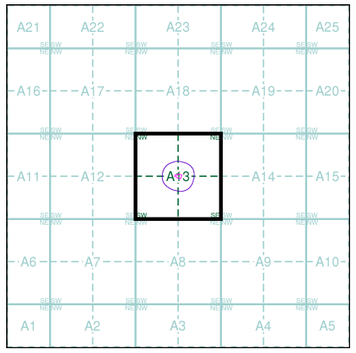
Source map scale - 1:1,250

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)

TQ6474SE 1965 1:1,250	TQ6574SW 1964 1:1,250
TQ6473NE 1972 1:1,250	TQ6573NW 1970 1:1,250

Historical Map - Segment A13



Order Details

Order Number:	357814499_1_1
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Search Buffer (m):	100

Site Details

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LUSTRE CONSULTING

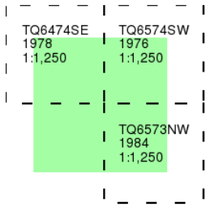
Ordnance Survey Plan

Published 1976 - 1984

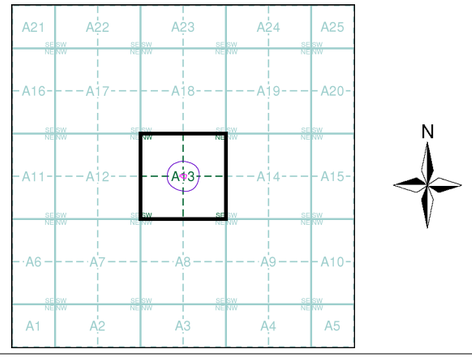
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

Order Number:	357814499_1_1
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Site Details

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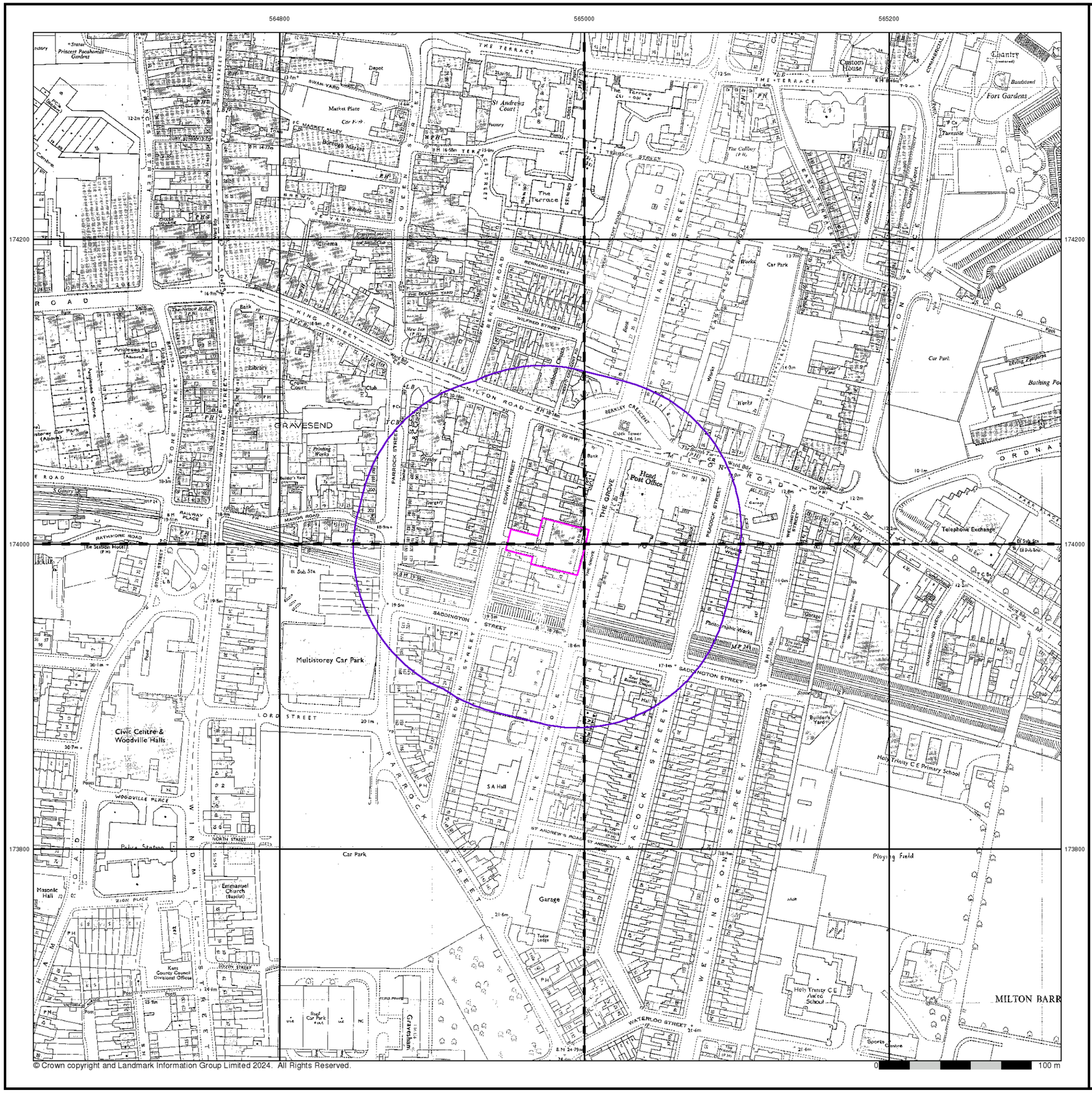

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LUSTRE CONSULTING

Additional SIMs

Published 1978 - 1983

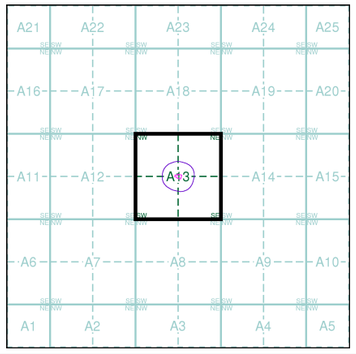
Source map scale - 1:1,250

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)

TQ6474SE 1983 1:1,250	TQ6574SW 1980 1:1,250
TQ6473NE 1978 1:1,250	TQ6573NW 1978 1:1,250

Historical Map - Segment A13



Order Details

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

Site Details

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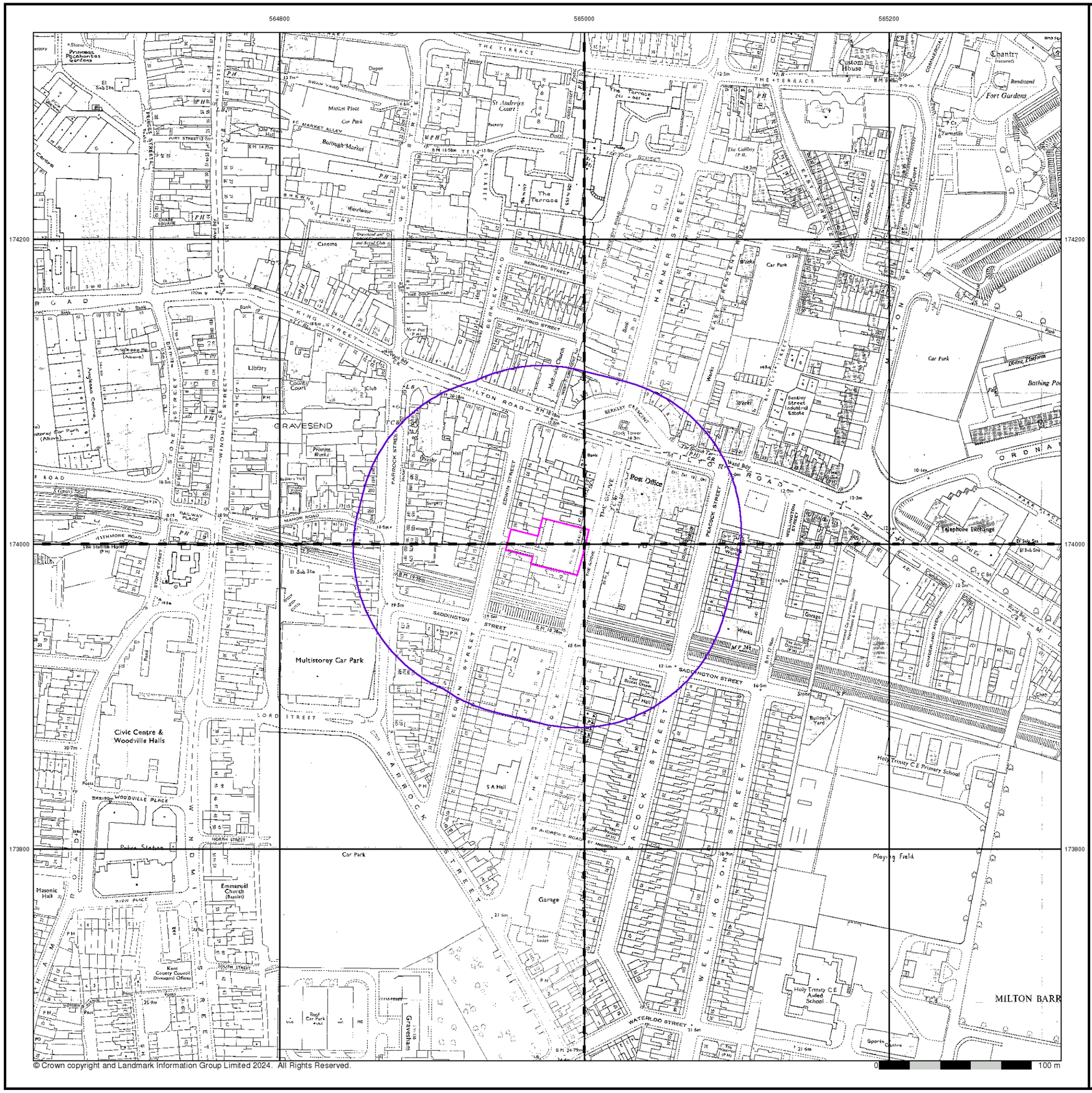
564800
565000
565200
174200
174000
173800
GRAVESEND
Market Place
Car Park
Borough Market
Depot
St Andrews Court
The Terrace
Cinema
Library
County Court
Club
Bank
Post Office
Clock Tower
Multistorey Car Park
Civic Centre & Woodville Halls
Police Station
Masonic Hall
Emmanuel Church (Baptist)
Kent County Council Divisional Offices
Garage
Playing Field
Holy Trinity C E Primary School
Holy Trinity C E Aided School
Sports Centre
Telephone Exchange
Custom House
Chantry
Fort Gardens
Bandstand
Car Park
Dining Platform
Bathing Pool
Berkley Street Industrial Estate
Works
Builder's Yard
S A Hall
Graveham
MILTON BARR
MILTON ROAD
KING STREET
THE TERRACE
HARMER STREET
WELLINGTON STREET
SADDINGTON STREET
WATERLOO STREET
ORDNANCE PLACE
PARROCK STREET
EDWIN STREET
PEACOCK STREET
LORD STREET
WOODVILLE PLACE
NORTH STREET
SOUTH STREET
STONE STREET
WINDMILL STREET
RAILWAY PLACE
HATHMORE ROAD
MANOR ROAD
BERKLEY ROAD
BERNARD STREET
WILFRED STREET
THE DOLPHIN YARD
SWAN YARD
MARKET ALLEY
JURY STREET
ST ANDREW'S ROAD
THE GROVE
PARK PLACE
CONNAUGHT AVENUE
GORDON PLACE
EAST TERRACE
Princess Pocahontas Gardens
Station Hotel (P H)
Sub Sta
Pumping Station
Telephone Exchange
Tel Ex
Turnstile
Bathing Pool
Playing Field
Sports Centre
Garage
Works
Warehouse
Factory
Printing Works
Methodist Church
Roman Catholic Church
Church
Chapel
Hall
Bank
Post Office
Public Conveniences
Car Park
Roof Car Park
Vehicle Lodge
Fire Station (P H)
Gas Works
Sub Sta
Tel Ex
Cemetery
Recreation Ground
Allotments
Cricket Pitch
Tennis Courts
Bowling Green
Bandstand
Fountain
Pond
Weir
Sluice
Footbridge
Pedestrian Bridge
Level Crossing
Railway Station
Tunnel
Cutting
Embankment
Pillar Box
Telephone Kiosk
Fire Alarm
Lamp Post
Post
Posts
Bollards
Stone
Cross
Obelisk
Fingerpost
Milestone
Boundary Stone
Spot Height
Trig Pt
Contours
Footpath
Bridleway
Cycle Track
Public Path
Footway
Steps
Ramp
Tunnel
Cutting
Embankment
Level Crossing
Railway Station
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Embankment
Level Crossing
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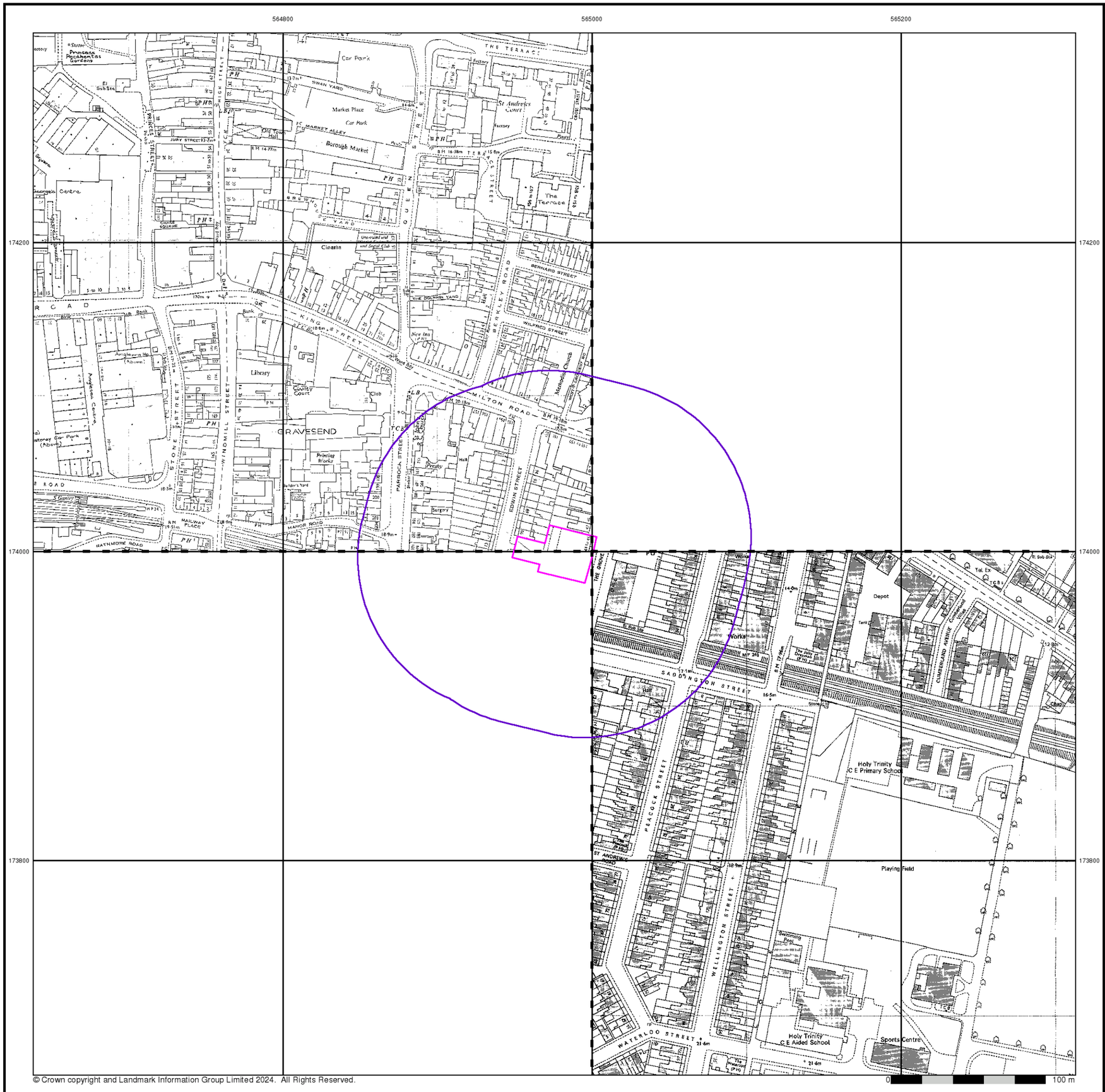
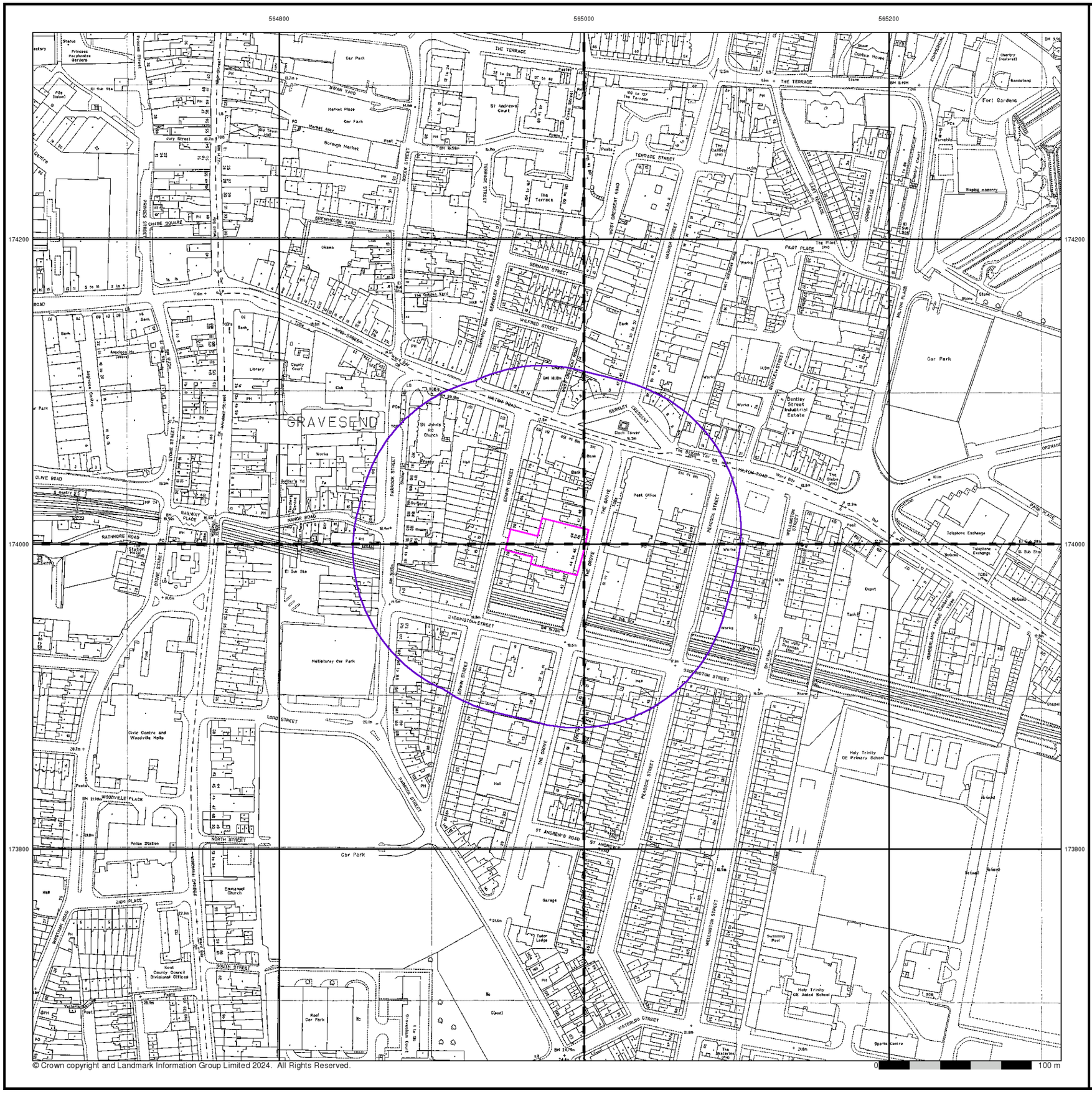
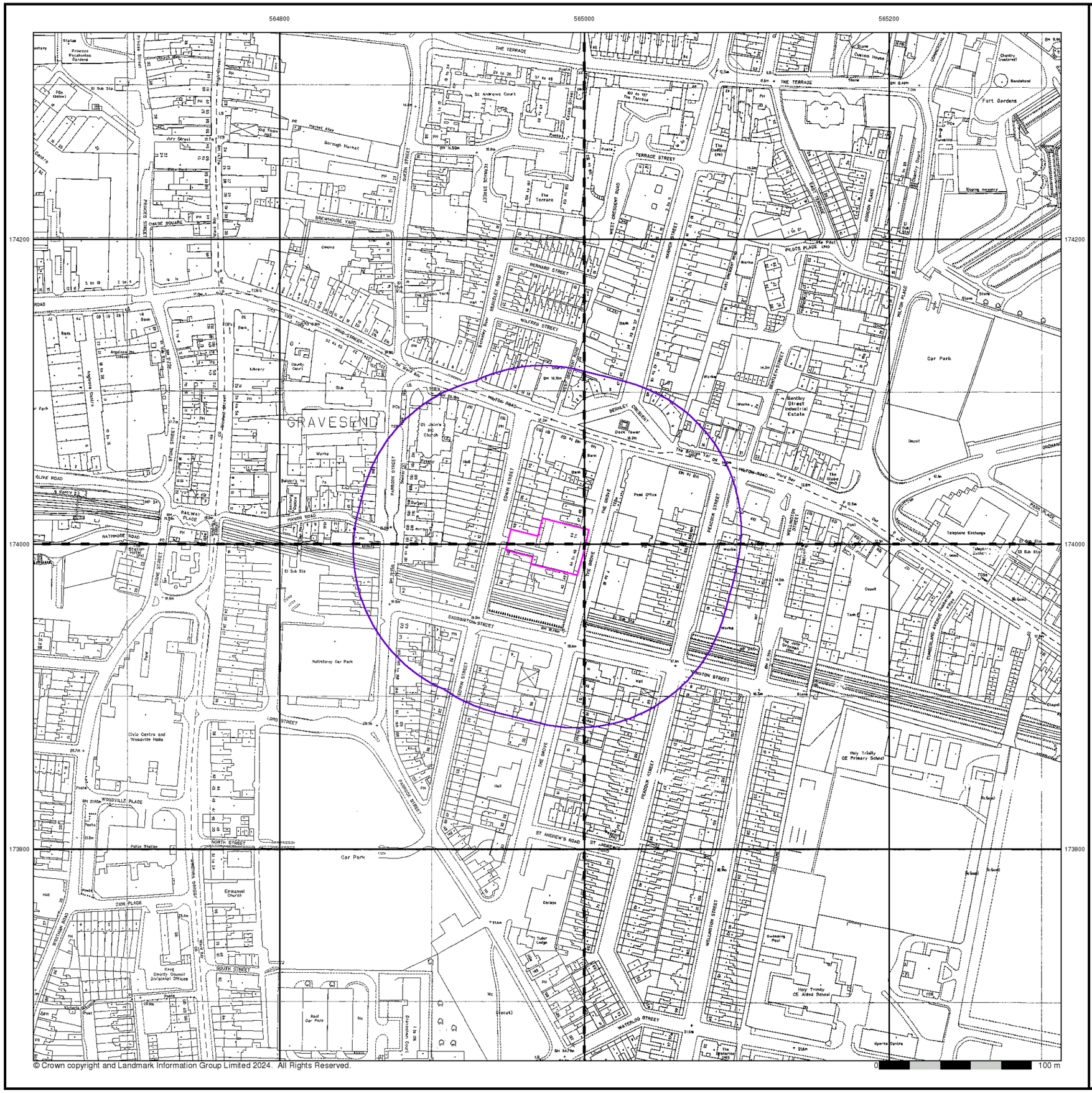
Tunnel
Cutting
Embankment
Level Crossing
Railway Station


564800
565000
565200
174200
174000
173800
Car Park
Market Place
Car Park
Borough Market
St Andrews Court
The Terrace
Cinema
Library
County Court
Club
GRAVESEND
Printing Works
Depot
Works
Holy Trinity C E Primary School
Playing Field
Holy Trinity C E Aided School
Sports Centre
Swimming Pool
Bus Stn
Bank
Princess Pocahontas Gardens
Shopping Centre
Angle Park Centre
Railway Place
Rathmore Road
Manor Road
Stone Street
Windmill Street
King Street
Milton Road
Parrock Street
Edwin Street
Berkeley Road
Bernard Street
Wilfred Street
Peacock Street
Wellington Street
Waterloo Street
Saddington Street
Cumberland Avenue
The Grove
The Terrace
Jury Street
Market Alley
Swan Yard
Brewhouse Yard
Dolphin Yard
Chapel Square
Mainoak Church
Methodist Church
Bergery
Factory
Pond
Tel. Ex
CBS
Sub Stn
Pump
Stairway
Cemetery
Allotments
Playing Field
Car Park (Above)
Angle Park (Above)
Bus Stop
Shelter
Tank
Cattle Grid
Gate
Pillar
Post Box
Telephone Kiosk
Fire Hydrant
Weighing Machine
Sub Stn
Pond
Factory
Bank
Pub
Cinema
Club
Church
Library
Hall
Bergery
Depot
Tank
Cattle Grid
Gate
Pillar
Post Box
Telephone Kiosk
Fire Hydrant
Weighing Machine
Sub Stn
Pump
Stairway
Cemetery
Allotments
Playing Field
Car Park (Above)
Angle Park (Above)
Bus Stop
Shelter


564800
565000
565200
174200
174000
173800
GRAVESEND
THE TERRACE
TERRACE STREET
BERNARD STREET
WILFRED STREET
MILTON ROAD
BERKLEY CRESCENT
PILOT PLACE
WEST CRESCENT ROAD
EAST CRESCENT
HONNER STREET
Car Park
Bentley Street Industrial Estate
Post Office
Telephone Exchange
Depot
Holy Trinity CE Primary School
Holy Trinity CE Aided School
Swimming Pool
Sports Centre
Multistorey Car Park
Civic Centre and Woodville Halls
Police Station
Kent County Council Divisional Offices
Emmanuel Church
Library
County Court
Club
St John's RC Church
St Andrew's Court
The Terrace
Fort Gardens
Clock Tower
Garage
Tudor Lodge
Hall
Bank
Works
Shops
Market Place
Borough Market
Jury Street
CHASE SQUARE
GREENHOUSE YARD
SWAN YARD
QUEEN STREET
ASHBLE TERRACE
BERKLEY ROAD
KING STREET
STONE STREET
CLIVE ROAD
RAILWAY PLACE
RATHMORE ROAD
MANOR ROAD
PARROCK STREET
SWAN STREET
THE GROVE
PEACOCK STREET
WELLINGTON STREET
SADDINGTON STREET
SANDPISTRAL STREET
LORD STREET
WOODVILLE PLACE
NORTH STREET
SOUTH STREET
ZION PLACE
ST ANDREW'S ROAD
WATERLOO STREET
WINDMILL ROAD
WOODWARD STREET
Sloping masonry
Stone
Steps
Posts
Pond
Garden
Tank
Tunnel
Sub Sta
Pumps
Weighbridge
Cemetery Chapel
Cemetery Lodge
Bandstand
Clock Tower
Sculpture
Fountain
Gate
Fence
Wall
Ramp
Footbridge
Pedestrian Crossing
Cycle Stand
Telephone Kiosk
Bus Stop
Bus Station
Bus Shelter
Tennis Court
Cricket Pitch
Playing Field
Allotments
Recreation Ground
Sports Ground
Golf Course
Open Space
Woodland
Scrub
Rough Grass
Marsh
Reed Bed
Water
Weir
Sluice
Lock
Dock
Quay
Pier
Jetty
Slipway
Mast
Tower
Chimney
Pylon
Cliff
Sand
Shingle
Mud
Foreshore
Beach
Dune
Hedge
Tree
Wood
Orchard
Vineyard
Nursery
Glasshouse
Greenhouse
Cold Frame
Polytunnel
Stable
Kennel
Aviary
Pen
Paddock
Manège
Riding School
Equestrian Centre
Stud Farm
Farm
Farmyard
Farmhouse
Farmhouse Hotel
Farmhouse Restaurant
Farmhouse Tea Room
Farmhouse Bed and Breakfast
Farmhouse Guest House
Farmhouse Holiday Cottage
Farmhouse Holiday Bungalow
Farmhouse Holiday Flat
Farmhouse Holiday Chalet
Farmhouse Holiday Caravan
Farmhouse Holiday Camping
Farmhouse Holiday Caravan Park
Farmhouse Holiday Camping Park
Farmhouse Holiday Caravan and Camping Park
Farmhouse Holiday Caravan and Camping Park
Farmhouse Holiday Caravan and



LUSTRE CONSULTING

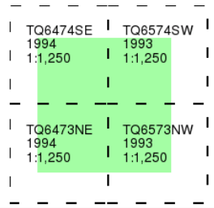
Large-Scale National Grid Data

Published 1993 - 1994

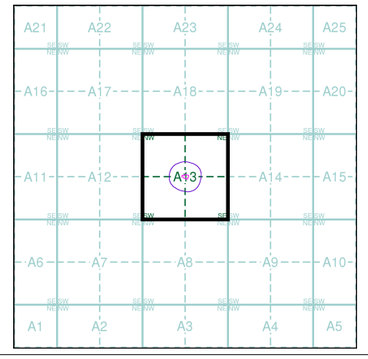
Source map scale - 1:1,250

'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)



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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LUSTRE CONSULTING

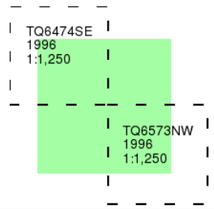
Large-Scale National Grid Data

Published 1996

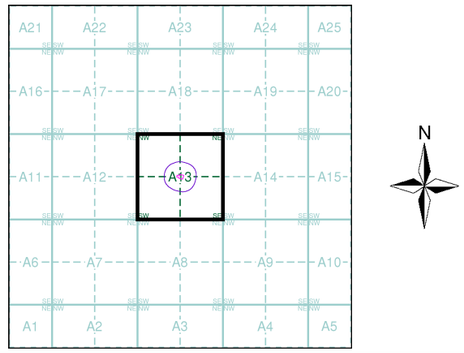
Source map scale - 1:1,250

'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

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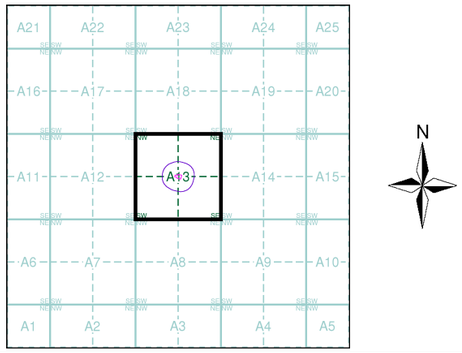
Historical Aerial Photography

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



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Web: www.envirocheck.co.uk

APPENDIX C: Borehole Information

1 ": 271 TQ67SW/13 - 16

ADDITIONAL INFORMATION SHEET

Licence No.

271/134

Date of completion of well catalogue

Date of publication

Additional Sheet No.

DATE	*	ADDITIONAL INFORMATION			INIT.
[illegible]	A	UCk	No details	24 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		Block 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		Chalk & 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 225)	30 250	(76·20)
					MJL

FILMED

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

P.T.O.

Section 6	Pumping test	Observ. well	Re order	I R L	GEOLOGICAL SURVEY, WATER DEPARTMENT

P.S.127 3m 9/63 G.W.B.Ltd. Gp.863

TQ 67SW / 13-16

...NAL INFORMATION SHEET

Licence No. 271/134

...pletion ... catalogue

Date of publication

Additional Sheet No.

DATE	*	ADDITIONAL INFORMATION				INIT.
9/4/71	K	UCK ?MCK 300	No details	300		M. (91·44)
TQ67SW/16	L	Made 5½	Made ground	5½	5½	M (1·68)
			Chalk	2½	8	(2·44)
		UCK ?MCK 294½	" e 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 e flints	200	205	(62·48)
		UCK ?MCK 295	Sticky chalk e flints	27	232	(70·71)
			Hard sticky chalk	68	300	(91·44)
TQ67SW/14D	N	UCK 252	Chalk e flints	252	252	M. (76·81)
TQ67SW/14E	P	UCK 250½	Chalk e flints	29	29	M (8·84)
			Flints	8	37	(11·28)
			Chalk e flints	213½	250½	(76·35)

FILMED

* Insert Well Reference Letter, If More Than One Well At Site

Pumping test	Observ. well	Recorder	E.B. log	

TQ 67 SW | 13 - 16

DATE	•	ADDITIONAL INFORMATION				INIT.
TQ 67SW/14	E	Made 9	Made up ground	9	9	M (2·74)
		UCk 241	Chalk and flints	237	246	(74·98)
			Hard chalk & flints	4	250	(76·20)
	F	Made 5	Pit	5	5	M (1·52)
			Chalk & flints	221	226	(68·88)
		UCk 245	Grey chalk & flints	3	229	(69·80)
			Grey chalk	7	236	(71·93)
			Hard "	14	250	(76·20)
TQ 67SW/15	H	Made 11	Made up ground	11	11	M (3·35)
		UCk 219	Chalk and flints	219	230	(70·10)
		UCk MCk 229	Hard grey chalk	229	459	(139·90)
		LCk 200	Putty chalk	200	659	(200·86)
			Gault - hard grey	168	827	(252·07)
		G	" & stones	26	853	(259·99)
		215	" - hard grey	20	873	(266·09)
			Sand - grey & gault	1	874	(266·40)
Revised Class. A.C.B. 10/8/72		F 24½	Grey sand	24½	898½	(273·86)
	J	UCk 200	No details	200		M. (60·96)
						MJL

FILMED

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

Additional Information Sheet No. ..... Commenced .....

TQ 67SW | 15

RECORD of WELL or BORING

Survey No. 271/134

Contractor: Imperial Paper Mills, Ltd. N.G.R. 6435, 7418

Town, Village, &c. Gravesend. County Kent Six-inch map Kent 10 N.W.

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 of one-inch map Sheet Square

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 7¼ in.

Details of lining tubes (internal diameters preferred) 66' 6" x 14" top 3' 5" B.S.; 113' 0" x 10" top 8⅛" 839' 0" x 8⅝" top 1' 0" B.S.; 104' 0" x 7¼" top 794' 0" B.S.

Water struck at depths of (feet) 170' - 190' ? at lower depths.

Rest-level of water below/above top of well or bore O/F ft. Pumping level – ft. Time of recovery –

Suction at – ft. depth. Yield: (i) on test O/F 2,610 galls. 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, Sutcliff & Gell, Ltd., Southall, Middx. SB 4/321

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

Visited 18/1/50. O.D. = about + 19 ft. (Newlyn.).
Rest Water level: overflows 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. G.B.
Alkalinity as $CaCO_3$: 148 –
Total hardness as $CaCO_3$: 5 –
Conductivity : 310 micromhos/cm³. G.B.

For LeGrand, Sutcliff & Gell, Ltd.

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

Visited 27.9.52.
No yield.
O.D. at 16.5 HKF

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON.

For Survey use only.

Date received.	G.S.M.	M. of H. notified.	Site marked on 1" map.
1/51	6.0		

British Geological Survey
BGS ID: 838294 : BGS Reference: TQ67SW15
British National Grid (27700) : 564350,174180

TQ 67SW 15
N.G.R. 6435.7418

12

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 [illegible] ft O.S. The driller logged [illegible] ft 6 [illegible] sand to the bottom of the borehole. This corresponds to a Folkestone Beds [illegible].

The borehole record has been classified as follows:

Mode	11	11
UCk MCk LCk	648	659
G	215	874
F	24½	898½

* Revised lettering, 1971

A.C.B
10/8/72

DATA Bank

Contact BGS: ngdc@bgs.ac.uk

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)

British Geological Survey
BGS ID: 838294 : BGS Reference: TQ67SW15
British National Grid (27700) : 564350,174180

ADDITIONAL INFORMATION SHEET

Date of completion of well catalogue .....

Date of publication .....

Licence No. TQ67/44 A-J

271/134

Additional Sheet No. .....

DATE	*	ADDITIONAL INFORMATION				INIT.
21/5/71	A	UCk	No details	24	24	
		24				
	B		Loam	1	1	
		UCk	Chalk & flints	200	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	21+	275	
			Very hard chalk	35+	310	
		Since 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	
						MJL

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.

(4130) Wt.34984/P.S.127 5m 9/63 G.W.B.Ltd. Gp.863

Contact BGS: ngdc@bgs.ac.uk

7

DATE	*	ADDITIONAL INFORMATION				INIT.
	E	Made 9	Made up ground	9	9	
		UCk 241	Chalk and flints	237	246	
			Hard chalk & flints	4	250	
	F	Made 5	Pit	5	5	
			Chalk & flints	221	226	
		UCk 245	Grey chalk & flints	3	229	
			Grey chalk	7	236	
			Hard "	14	250	
	H	Made 11	Made up ground	11	11	
		UCk 219	Chalk and flints	219	230	
		UCk MCk 229	Hard grey chalk	229	459	
		LCk 200	Putty chalk	200	659	
			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 24½	Grey sand	24½	898½	
	J	UCk 200	No details	200		
						MJL

FILMED

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

Additional Information Sheet No. ..... Commenced .....

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 7¾. 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.7½ ((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.12½. 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 +4½. 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.5½. 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: 31¾ 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 ? 60,000 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 241. 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. -12½. Yield 17,460 g.p.h. Oct. 1965. R.W.L. -3¾. Yield 15,000 g.p.h. Feb. 1966.

(f) Campbell Pit "C". Trial. Well-top +8. Bore 250. Lining tubes: 31½ x 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. -7¼. 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 -866¼. Lining tubes: 53¼ x 14 in from 4½ down; 869¾ x 8½ in from 2 down; 128½ x 7¼ in from 777¾ down (perforated 896 to 906); 842¼ x 6 in (perforated 881½ to 891½); sandscreen 896 to 906. When bore c.670, R.W.L. -6; bore 882¼, overflowed at +20 at 200 g.p.h.; bore 888¾, overflowed at +30 at 1,200 g.p.h.; bore 891½, overflowed at 2,308 g.p.h., R.W.L. +58; bore 898¼, overflowed at 1,831 g.p.h.; bore 917. Overflowed at ?800 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. -¾. Sept.; +2½. Oct. 1964. ?Silted to 485. R.W.L. -8¾. 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 +19¼. Bore 898½. Lining tubes: 66½ x 14 in from 3½ down; 113 x 10 in from 8¾ down; 839 x 8½ in from 1 down; 104 x 7¼ in from 794 down; sandscreen 20 x 7¼ in. Water struck at -150¾ to -170¾ and below (depth unknown). Overflowed at 2,610 g.p.h. LeGrand, 1930. TQ 6397 7443

Cl 15. 1935. Overflowed at +21. Hardness: total 5. Jan. 1950. R.W.L. -4¼. Sept.; -½. Oct. 1964. ?Silted to 895. ? Lining tubes

British Geological Survey
BGS ID: 838294 : BGS Reference: TQ67SW15
British National Grid (27700) : 564350,174180

RECORD of WELL or BORING

Survey No. 271/134
1" N.S. 271
1" O.S.

(house or farm) Imperial Paper Mills, Ltd. TQ67/44H

Town, Village, &c. Gravesend. County Kent Six-inch map Kent 10N.

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 of one-inch map. Sheet Square

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 7¼ in.

Details of lining tubes (internal diameters preferred) 66' 6" x 14" top 3' 5" B.S.: 113' 0" x 10" top 8' 8" 839' 0" x 8⅝" top 1' 0" B.S.: 104' 0" x 7¼" 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 O/F ft. Pumping level - ft. Time of recovery -

Suction at - ft. depth. Yield: (i) on test O/F 2,610 galls. per hour (ii) normal - gall

Quality (attach copy of analysis if available) Not available.

Made by for Mr. Date of boring 1950

Information from LeGrand, Sutcliff & Gell, Ltd., Southall, Middx. SB 4/321

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

Visited 18/1/50. O.D. = about + 19 ft. (Newlyn.).
Rest Water level: overflows 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. G.B.
Alkalinity as $CaCO_3$: 148 -
Total hardness as $CaCO_3$: 5 -
Conductivity : 310 micromhos/cm³. G.B.

For LeGrand, Sutcliff & Gell, Ltd.

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

7:0:65 Kerr

Visited 27.9.52.
No yield.
O.D. at 16.5 HKF

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

For Survey use only.

Date received.	G.S.M.	M. of H. notified.	Site marked on 1" map.
6/57	6582		

(2473SC) Wt 26030/295 5,000 11/38 H, J, R & L, Ld Gp

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey
BGS ID: 838294 : BGS Reference: TQ67SW15
British National Grid (27700) : 564350,174180

2

TQ67/44H

271/134 IMPERIAL PAPER MILLS, GRAVESEND

(h)* 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, MCk, LCk	648	659
G	215	874
F	24½	898½

* Revised lettering, 1971

R.C.B
10/8/72

DATA Bank

London Salinity Survey - 1967
E.C. 8700
Cl. 3400

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

Contact BGS: ngdc@bgs.ac.uk

271 TQ67/44H

134 H

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

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

Ref. to as Geol. Sur. 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. OD 19.24
893 x 7¼". 7¼" tubes to 893.
Filled in 1966 - "gone saline".
Called No. 4 in 1965.

Following inf. from additional inf. sheet.
Automatic water level recorder installed 6/4/65.

14/6/65	~~B~~ H	Conductivity log to bottom. Attempted to plumb this 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 7¼ in. Exact position of tubes not known.	ASR.
13/7/65 'via phone See WE	H ~~B~~	Fire Station borehole. Intermittent short periods of pumping c. 20 mins. 6,400 g.p.h. Drawdown 110 - 120 ft. Chlorides varied between 10,500 and 10,800 mg/l. The water smelt strongly analagous to nearby Thames! [Chloride of Thames water at high tide found to be 13,827 mg/l.] Pumped for further ½ hour at high tide, gave 4,900 g.p.h. (drawdown not recorded) with chloride of 10,500 mg/l.	ASR pp. DAG.

Inf. from Kent R.A. in W.Q.
High chloride in July 1965 probably due to defective lining tubes which allowed brackish chalk water to enter
Following inf. from Inquiry - cl 15 1935 RWL - 4¼ Sept. - ½ Oct. 1964. MGL 11/4/71

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

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 Reedo.

I.P.M. letter	I.P.M. name	I.P.M.'s identification with IGS record	notes	Old IGS site	IGS new letter	Date
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 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	" " (Mather & 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 information 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

British Geological Survey
BGS ID: 838294 : BGS Reference: TQ67SW15
British National Grid (27700) : 564350,174180

23 13

271/134 TQ67/44 EG H

EG I

REED PAPER GROUP LIMITED

IMPERIAL PAPER MILLS

Standing Water Levels (measured by the Mill).

Campbell Pit (Bore C)

and

Greensand (Bores A & B)

E G H

Boreholes:	Campbell Pit (C)			Carpenters Shop (A)		Fire Station (B)	
Top of Bore (O.D.):	+13.00			(+15.91)*		+19.24	
Date 1964	Feet below top	O.D. End of week	O.D. Start up	Feet below (old) top	O.D.	Feet below top	O.D.
Fri., 23rd Oct.	19'7"	-6.6		14'6"	+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.

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey
BGS ID: 838294 : BGS Reference: TQ67SW15
British National Grid (27700) : 564350,174180

LAB.W.E. 273/65. 14 24

271/134 TQ67/44 EGH

REED PAPER GROUP LIMITED

IMPERIAL PAPER MILLS

Standing Water Levels ⊕

Campbell Pit (Bore C)

and

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 1965	Feet below top	O.D.	Feet below (old) top	O.D.	Feet below top	O.D.
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

⊕ 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 T. Waldmeyer

T. Waldmeyer.

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 838294 : BGS Reference: TQ67SW15
British National Grid (27700) : 564350,174180

TQ 67/44 G/H

271

LE GRAND ADSCO

CIVIL ENGINEERING DIVISION OF
LE GRAND SUTCLIFF & GELL LIMITED

THE GREEN
SOUTHALL, MIDDLESEX.

Copy of report
TABLES & GRAPH TO
D. Gellingham
Stephens
G. King
B. H. Murnet
Mr B. Malone (2)

134

YOUR REF.
OUR REF. WA/P

The Imperial Paper Mills Ltd.,
Gravesend,
KENT.

G

25th October, 1965.

H

Dear Sirs,

PROJECT G.S.1128
TEST PUMPING OF GREENSAND BOREHOLES

We wish to report that we have now completed the work of testing both the Nos. 4 and 7 Greensand Boreholes at your premises, and all plant has been cleared from site.

No. 7 borehole, air lift plant was installed to a depth of 252 ft. from surface. A yield of 1,300 gallons per hour was established from a depth of 168'2" from surface.

No. 4 borehole air lift plant was installed to a depth of 250 ft. from surface. A yield of 4,940 gallons per hour was established from a depth of 129 ft. from surface, but due to high chloride content 10,774 P.P.M. (River Thames 13,827 P.P.M.) it was agreed that no further work should be carried out on this borehole. The hired compressor was disconnected and removed from the borehole.

(G)

As arranged, you continued to air lift test the No. 7 borehole and kept all records until the 19th July, when the air lift plant was removed and a submersible pump installed and preliminary tested by our fitter with an output of 1,400 gallons per hour from a pumping level of 225 ft. from surface.

(F)

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey
BGS ID: 838294 : BGS Reference: TQ67SW15
British National Grid (27700) : 564350,174180

55

TQ67/44G+H

271

/134

G
H

2.

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

From the recovery figures taken by you [illegible] No. 7 borehole, we have prepared a recovery curve [illegible] enclose three copies of each of the following:

Air lift test on No. 4 Borehole.
Air lift test on No. 7 Borehole.
Submersible test on No. 7 Borehole.
Recovery curve on No. 7 Borehole.

We very much regret the delay in submitting our final report, but unfortunately our Mr. Hetherington has been away sick for a lengthy period and has only recently returned to business. He has 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 chlorides 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 foreshore.

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

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 838294 : BGS Reference: TQ67SW15
British National Grid (27700) : 564350,174180

56

271/134 TQ67/44 G2 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.

Contact BGS: ngdc@bgs.ac.uk

58 56

271 TQ67/44H

134

H

[illegible]

[illegible]

Test Pumping from Borehole next Fire Station.

Date 2-7-65

Time Sampled	mls Titrated	Titre mls N/10 AgNo3	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 13,827 ppm Cl.
17.20	10	30.35	10,774	
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 = titres 3550 / vol of samp.

~~3957~~

TQ67/44H

271/134H

LE GRAND, SUTCLIFF & GELL LTD. SOUTHALL, MIDDX.

PUMPING TEST BY AIR LIFT

for Imperial Paper Mills.

SHEET No. 2

DATE 2. 7. 65.

Diameter of Well (Pipe) ... in. (Bottom) ... in.

Depth of Well 250 ft.

Diameter Bearing Surface 12 in.

Depth of Air Inlet ... ft.

Depth of Delivery Pipe Surface ft.

Type of Well (Ver or Rect) 90° Pos

Standing Water Level 83 ft. B.S.

Electric Units Consumed per 8 hrs.

Fuel consumed per 8 hrs.

Air Compressor

Revs. of Compressor

Volume of Air

Amps.

Volts

Date	Time A.M.	Time P.M.	Pressure Gauge Level	Working Pressure lbs/sq. ins.	Working Pressure Bar. ins.	Flow over Weir in Inches	Yield in Gals. per hour	Condition of Water	Remarks
2. 7. 65.		3.15	23'0"	100					56.1 P.P.M. Chloride Content
		3.20			54	5	6,400	Dirty	
		3.25	140'0"		52.5	"	"	"	
		3.45	"		"	"	"	"	10,651 P.P.M. Chloride Content.
		3.50							Stopped pump to carry out adjustments.
		4.45	25'6"	98					
		4.50	140'0"		54.5	5	6,400		10,827 P.P.M. Chloride Content.
		5.00	"		"	"	"		10,774 P.P.M.
		5.10	"		"	"	"		
		5.55	Throttle air volume to borehole						Thames 5.50 High tide 10,827 P.P.M.
		6.00	138'0"		56	4½	4,960		
		6.10	"		"	"	"		10,326 P.P.M. Chloride Content
		6.20	123'0"		"	"	"		Smell like Thames
		6.30	"		"	"	"		Stopped pumping

30 54

Electrical Conductivity Samples

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

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	1600	140	525	500 from 130 – 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	5,700+
		158	"				213	7000
		159	"				214	8400
		160	"				215	8800
		161	"				216	9400
		162	"				217	9600
		163	"				218	9500
		164	"				219	9,900
		165	"				220	9,900
							221	10,000
							222	10,100
							223	"
							224	10,200
							225	10,200+

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9 31/55

Electrical Conductivity Samples

Station No2 bore = Greensand 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		226	10,600					
		227	"					
		228	"					
		229	"					
		230	"					
		245	10,600					
		246	"					
		247	"					
		248	"					
		249	"					
		250	10,900					
		251	11,000					
		252	11,500					
		253	12,000 –					
		254	11,300					
		255	13000					
		256	13500					
		257	13900					
		258	14000					
		259	14000					
		260	14000					

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29 53

Electrical Conductivity Samples

Station No 2 = Greensand 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
4.6.65		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	15,500				830	15,000
		680	15500				835	15,000+
		685	15750				840	15500
		690	15500				845	15500
		695	15500				850	16000
		700	15000—	Break here			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	"					

DS87884/113637 1M 3/61XL

6 28 52

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	15000				610	15,500
		460	15,000				615	15,500
		465	14500				620	15,500
		470	15000				625	15,000
		475	14,500				630	15000
		480	15,000				635	15,000
		485	15,000				640	15000

Note. Results plotted on file.

Electrical Conductivity Samples

Station No. 2 bore = Greensand 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	525
		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	11500
		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	15500+
		155	475+				310	15,000+
		160	500 –				315	15500
		165	500 –				320	15,500
		170	500 –				325	15500
		175	500 –				330	15500

DS87884/113637 1M 3/61XL

British Geological Survey
BGS ID: 838294 : BGS Reference: TQ67SW15
British National Grid (27700) : 564350,174180

THE IMPERIAL PAPER MILLS LIMITED

TECHNICAL SERVICES DEPARTMENT

271/134

TQ67/44

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

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	3,410	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.	3,055	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.	43.7	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

Contact BGS: ngdc@bgs.ac.uk

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 No.	TYPE	BLOWS	DEPTH (m)	LEGEND	DESCRIPTION OF STRATA	ORDNANCE DATUM LEVEL (m)
			1	●		0.50		Loose - dense brown clayey SILT with many fragments of flint, brick and chalk <100mm. Occasional roots and rootlets.	
			2	●		1.10			
			3	●		2.10			(4.40)
			4	●		2.80			
			5	●		3.80			
			6	●		4.40		Medium dense light creamy brown CHALK and SILT with many flints <80mm.	4.40 (0.25)
			7	●		5.00		Light brown clayey SILT with many chalk and flint fragments <50mm.	4.65 (0.65)
								MADE GROUND	5.30
7.8.85			8	●		6.10		White fine grained weak CHALK with flint fragments <100mm.	(2.20)
			9	●		7.20		UPPER CHALK	7.50
								BOREHOLE COMPLETED AT 7.50m.	

REMARKS SCALE 1:50

NO WATER ENCOUNTERED DURING BORING.

KEY

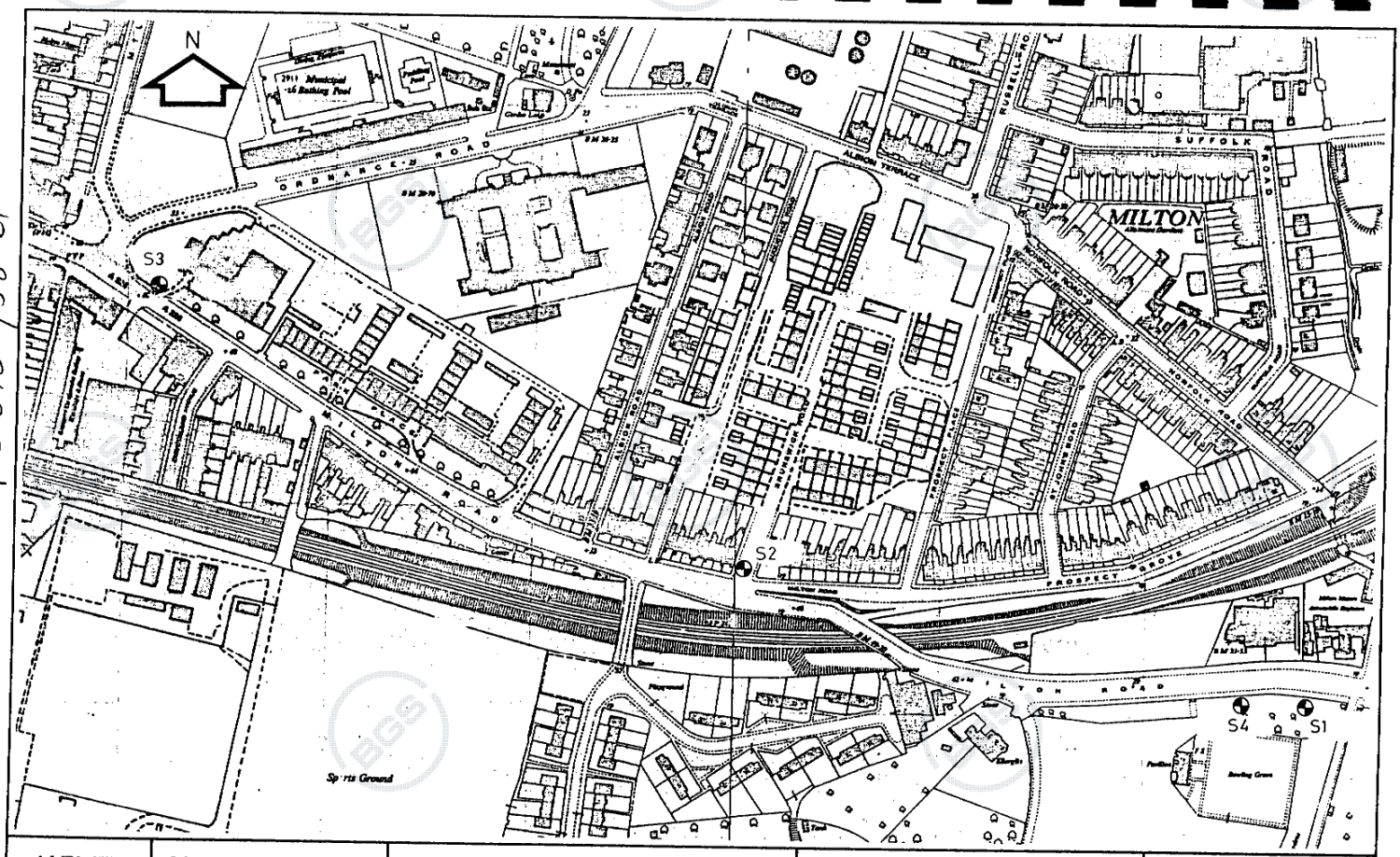
- Water struck
- Morning water level
- Evening water level
- Disturbed Sample
- Bulk Disturbed Sample
- 105mm Undisturbed Sample
- Standard Penetration Test
- Δ Water Sample

KENT COUNTY COUNCIL
GEOTECHNICAL GROUP

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

FIG.

TQ67SE 158-61



KENT C.C.	SCALE ROUTE No. DIVISION No.	A226 DENTON CORNER TO ORDNANCE STREET BOREHOLE LOCATION PLAN	M.N.T. COTTELL C.Eng.,F.I.C.E. COUNTY SURVEYOR, MAIDSTONE.	DRAWN BY SH DATE AUGUST 1985 DRG. No. 1

GAF 6167/80

British Geological Survey
BGS ID: 725604 : BGS Reference: TQ67SE60
British National Grid (27700) : 565220,174010

TQ67SE/58-61

A226 GRAVESEND - DENTON CORNER TO ORDNANCE ROAD

SOAKAWAY SITE INVESTIGATION

1. 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.

Contact BGS: ngdc@bgs.ac.uk

LUSTRE
CONSULTING

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