



Phase 1 Geoenvironmental Desk Study

Kimberly-Clark, Northfleet – Pulp Storage Area

for

Hyro Energy Ltd

G-22-049A

January 2025

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Executive Summary

Site Location	The proposed Pulp Storage Area lies within the existing Kimberly-Clark paper mill facility, located in Northfleet on the south bank of the River Thames, Kent. The proposed site covers an area of c. 0.51ha. Centred on Approx. OSGR 562734,174513 NGR TQ 627 745 It is understood that Hyro Energy Ltd propose to construct a Paper Pulp Storage Facility comprising a reinforced concrete slab for storage and associated access road and footpaths.
Site Description	The site comprises an irregular area of unkept predominantly grassed land, up to 146m N-S x up to 48m E-W maximum dimensions with an approximate area of 5,073m² (0.51ha) as shown on Drawing No. 05135-RES-PRO-DR-PT-010, Rev.2 presented in Appendix A. Footpath with road on east side. Site is relatively level at between 5.2m (road to east) to 5.5m (grassed area)
Site History	Based on OS Mapping from 1865 to present: The site lies within a former chalk quarry which by the mid 19th Century was occupied by terraced houses and a public house & access road leading to the wharves and docks to the north. From 1950's until c.1990 the site was occupied by a paper mill storage area. The site was then remodelled to the current layout. The adjacent land has been occupied by docks, dockyard and wharves, chalk quarry, limekilns, paper mill, power station and cement works.
Geology	• Superficial drift: BGS records including historic borehole records indicate superficial deposits to underlie the site, primarily comprising made ground with depths in excess of 5m identified immediately to the north. • Solid geology: Chalk strata at shallow depth. • No geologic faults recorded on site. • The site lies within an area with very low risk of ground dissolution of soluble rock. However, bedrock is anticipated to be very close to natural groundwater level and tidal influences may affect the solubility of the chalk.
Environmental	• The site lies 80m south of the River Thames adjacent to a jetty. • Superficial deposits immediately to the north comprise a Secondary Undifferentiated aquifer of high groundwater vulnerability. • Bedrock comprises a Principal Aquifer of high groundwater vulnerability. • No Nitrate Vulnerable Zones within 2000m. • 1 No. licensed surface water abstraction within 2000m, 1010m NW. • 7 No. licensed groundwater abstractions within 500m. None within Pulp Storage Area. 9 No. Source Protection Zones within 500m. The site lies within a Source Protection Zone 2. 14 No. Pollution Incidents within 500m of the site:



	• 1 No. on site dated 2003 relating to firefighting run-off and classified a minor impact to water, land or air. • 2 No. 31m NE both dated 2006 relating biodegradable materials and inert wastes classified as no impact to water and significant impact to land and air. Other incidents do not relate to the site.
Flooding	• Site is designated to be at very low risk of tidal flooding. • The main site area lies within Flood Zone 2 and north east perimeter Flood Zone 3. • High risk of surface water flooding. • Moderate to high risk of groundwater flooding
Contamination	Various previous contaminative land uses have been identified in the general site area which present potentially contaminative processes and are considered to present a moderate to high risk of potential mobile contaminants to the site.
Ground Gas	Proposed development comprises reinforced concrete slab to provide a wood pulp storage area, as such there are no structures where gas can accumulate. • Low risk of ground gas generation. • No radon protective measures are required for buildings in this area.
Drainage	The site is underlain by variable made ground directly overlying the Chalk bedrock which is classified as a Principal Aquifer with an anticipated shallow water table, therefore, it is unlikely that soakaway drainage systems will be suitable.
Recommendations for Ground Investigation	Targeted ground investigation to include: • Exploratory boreholes to allow for in-situ testing and soil sampling, to assess shallow ground conditions and prove the presence or not of buried obstructions/voids. • Geotechnical and chemical laboratory testing of soils and bedrock for contamination/pollution risk assessment and foundation design. • Factual and interpretive report.

The executive summary should not be read or used in isolation and reference should be made to the full report which provides a detailed assessment of the risks potentially affecting the development.



1.0 Introduction

1.1 Commission

GVR Geoservices Ltd (GVR Geo) was appointed by Renewable Energy Systems (RES) Ltd on behalf of Hyro Energy Ltd to undertake a Phase 1 Geoenvironmental Desk Study for the proposed development of a pulp storage area at the Kimberly-Clark paper mill site in Northfleet, Kent, DN11 9AD. The site is on the south bank of the River Thames with a river frontage and in-river berthing docks.

A site location plan is presented as Drawing No. G-22-049A-001 in Appendix A.

1.2 Proposals

It is understood that Hyro Energy Ltd propose to construct a pulp storage area comprising a reinforced concrete slab to receive and store bales of wood pulp. Associated footpaths and access routes are identified on the RES Pulp Storage Hardstanding Infrastructure Layout, Drawing No. 05135-RES-PRO-DR-PT-010, Rev.2 presented in Appendix A.

This report is required to support the planning application for the proposed development and to inform the works of potential land contamination and remedial actions to facilitate the construction works.

1.3 Objectives

The objectives of this report are as follows:

- Conduct a site walkover survey of the land to look for evidence of potential land contamination.
- Assess the land use history and whether the site had previously been used for a purpose that may have given rise to significant ground contamination that could affect the development.
- Provide information on the ground and groundwater conditions, including the potential for underground natural cavities or dissolution features.
- Describe the environmental setting of the site and status of environmental receptors.
- Assess the potential for hazardous ground gas to affect the proposed end use.
- Present the results of a detailed Unexploded Ordnance (UXO) risk assessment.
- Provide a conceptual site model to allow a preliminary environmental risk assessment.
- Inform the need for and scope of further assessment works.



This report presents factual information obtained during this appraisal, an interpretation of the data and recommendations with respect to the proposed development.

1.4 Sources of Information

The study includes a review of the following information sources:

1. Groundsure Insight report which includes but is not restricted to historical OS maps and land use, geology, hydrogeology, hydrology, environmental receptor search data, past and present landfill and waste management, hazardous substances, industrial land use, and sensitive land uses.
2. British Geological Survey (BGS) GeoIndex online search tool.
3. BGS Regional Memoirs, where applicable.
4. Defra MAGIC online map viewer.
5. Detailed UXO Risk Assessment Report prepared by 1st Line Defence Ltd, Report Ref: DA11104a-00, dated 19/5/23.

1.5 Limitations

This report has been prepared for Hyro Energy Ltd and their appointed agents only and should not be relied upon by any third party without the written permission of GVR Geo. If any unauthorised third party comes into possession of this report, they rely on it at their own risk and the authors do not owe them any Duty of Care or Skill. This report is based on and limited to an assessment of the information and ground conditions identified here. GVR Geo is not responsible for ground conditions not revealed during these investigations.



2.0 Site Setting

Grid Reference	Approx. OSGR 562734,174513 NGR TQ 627 745
Area	The site comprises an irregular area of land, up to 146m N-S x up to 48m E-W maximum dimensions with an approximate area of 5,073m ² (0.51ha) as shown on Drawing No. 05135-RES-PRO-DR-PT-010, Rev.2 presented in Appendix A.
Description	The site lies within the curtilage of the Kimberly- Clark papermill on the south bank of the River Thames, Northfleet, Kent. The papermill facility comprises a mixture of industrial buildings/warehouses, office buildings, a boiler house and effluent treatment plant, together with various storage tanks, open storage hardstanding areas and access roads associated with the papermill. The majority of the proposed Pulp Storage Area currently comprises a flat unkept grassed area to the East of two large water tanks. Ground levels vary slightly with the footpath and road to the East at circa 5.4m AOD and the grassed area at between 5.5m and 5.7m AOD. The Eastern side of the proposed site is occupied by a concrete slab footpath with the site boundary lying along a site access road north of Crete Hall Road roundabout which lie to the south of the Pulp Storage Area. A site walkover was carried out on 2nd May 2023, selected photographs from which are presented in Appendix E. In addition to the above, the walkover survey has indicated the following: - Concrete hardstanding abuts the north and south of this currently mainly grassed area, as well as encroaching into the northwest and southwest corners. A number of buried utilities have been identified below the proposed site area, including but not limited to: - Utility trench abuts the western boundary of the main site area: survey identifies 2 No. fire water mains, an electrical cable, and a surface water drain to run within this area. - Water supply pipe crosses site E-W toward northern end of site. - Surface water drain crosses site E-W from access road opposite to E. - Water supply (Fire Hydrant) – E-W across centre of site. - Surface water drain running NE-SW diagonally from mid-point of southern half of site. 11kv electricity cable in SE corner of site. - The utility survey also identifies road traffic sensor cables within the road adjacent to the west of this area which may continue into this area. - A surface water drain runs down the concrete road that lies within the eastern boundary of the proposed development area.



	There is no evidence of recent or current use or storage of chemicals within the proposed Pulp Storage Area.
Adjacent Land Use	Land to the north and northeast comprises a wharf and jetty to the north associated with London Scrap Terminal, with the River Thames beyond. The land to the east is occupied by light industrial buildings and logistics warehousing and area of hardstanding for container storage and vehicle parking. Land associated with Kimberly-Clark papermill lies immediately to the south and west with Crete Hall Road/Granby Road forming the boundary to the west.



3.0 Geoenvironmental Information

Historical maps are included in Appendix B and environmental data is included in Appendix C.

Distances from site given in the Groundsure Report are based on the G-22-049 Kimberly-Clark boundary which have been adjusted based on this current report which is specific to the proposed Pulp Storage Area boundary.

3.1 Historical Land Use

A brief summary of the land use history of the site is presented below which is intended to only describe the changes that have occurred on or adjacent to the site that are relevant to the objectives of this investigation.

It should be noted that the available mapping and Ordnance Survey surveys were, until recently carried out on a cycle of approximately 20 years, so surface mineral extractions and other short-term disturbance of the site may not have been mapped in these intervening periods.

A summary of the land use historical features of the site is shown on Drawing No. G-22-049A-002 presented in Appendix A.

Map Dates	On-Site	Off-Site
1865-1923	Site as a whole appears to lie within former chalk quarries which extended at least 350m S and 150m W. The site comprises N-S trending row of terraced residential properties with back yards to W and road ("Dock Row") to E. From 1897, a Public House is present at southern end of Dock Row. Ground levels shown at north end, centre and southern end of Dock Row range from 25.3' (7.7m), 23' (7m) and 22' (6.7m) AOD respectively (1897/1898 survey).	"Undershore", latterly "The Shore" (road with houses, public houses and wharf and foundry) 30m NNW. Dock, later shown as "Old Dock" adjacent NE corner, abutting eastern boundary at current road junction. Dockyard (incl. engineering shop/smithy (smithery) and foundry) adjacent to E. Dock shown as disused by 1897. Houses, open ground with mineral tramways and brickworks 130m to S. Gardens, later shown as allotment gardens to W with NW-SE trending "Coach Road" to W.
1931-1939	No significant changes on site.	"Old Dock" now infilled. Papermill with travelling cranes on area of hardstanding and new wharf now present in former dockyard and "Old Dock" area to E.



Map Dates	On-Site	Off-Site
1951-c.1990	1951 – Pulp Storage Area: Terraced houses replaced by car park adjacent to Dock Row. Public House (PH) remaining at southern end until 1966. From 1955-66 significant redevelopment as paper mill appears to the east of the area of the proposed development which is shown as a series of E-W trending travelling crane rail lines, presumably with intervening hardstanding.	1951 survey indicates slope down to allotment gardens on west side of car park/PH. From 1955 - Construction of wharves over former tidal flats area (Bowater's Wharf). Expansion of papermill – adjacent to E.
1990-2023	Hardstanding and travelling cranes no longer present – site redeveloped into current layout.	Papermill facilities reduced to NE and concentrated to area south of Crete Hall Road. Papermill to NE replaced by Warehouses

3.2 Geology

Presented below is a summary of the geological conditions at the site based on the historic Ordnance Survey map information and online data available on the BGS website. The BGS information includes the records of 4 historic boreholes undertaken within the NE corner of the wider site in 1972. GVR Geo sank 6 No. windowless sample boreholes to depths of up to 5m depth on the wider site immediately to the northeast during July 2023.

Made Ground	In view of the historical land uses on site including the presence of several phases of construction including houses, hardstanding and overhead crane tracks it is anticipated that made ground will be present below the site from ground level. The presence of “worked ground” is confirmed by one historic borehole record (1972) which indicates made ground with a thickness of up to 2.13m and the recent GVR Geo boreholes 20m to 110m to the west / northwest of this site indicate variations in made ground depths to between 1.7m and in excess of 5m bgl (WS8). Relic obstructions may remain relating to former quarrying/quarry infill and the former housing and papermill yard area. There is also potential for voids relating to basements from former terraced houses and the public house. It should be noted that historic ground levels indicate that the site is currently c. 1.7m lower than the survey of 1897/1898.
Superficial Geology	The BGS GeoIndex online viewer indicates that there are no recorded natural superficial deposits underlying the site. This is likely to be due to the site lying within a former chalk quarry where any superficial deposits would have been removed during extraction of the chalk bedrock.



Solid Geology	The solid geology is recorded by the BGS to comprise the Seaford Chalk Formation. With the exception of recent GVR Geo borehole WS8, all borehole records confirm that Chalk underlies the site to the immediate NW.
Faults	No geologic faults are recorded on or immediately adjacent to the site.
Quarrying And Mineral Extraction	The site and the adjacent land to the E and W lie within a former chalk quarry where chalk extraction took place primarily up until the mid 19th Century associated with the manufacture of cement and extraction of flint. The outlying area to the S, SE and SW has generally been subject to extensive historic chalk quarrying.
Coal Mining	The site does not lie within a Coal Authority defined coal mining reporting area indicating the site is not at risk from historic underground coal extraction activities.

3.3 Hydrology and Hydrogeology

Water Courses	The River Thames is located 80m N of the site.
WFD Surface Water Body Catchment	The site is classified as a coastal catchment (not part of a river water body catchment). Water Body ID 130 – Lower Medway Operational Catchment and Medway Management Catchment.
WFD Surface Water Bodies	River Thames (Thames Middle) Water body ID GB530603911402 recorded immediately N of the site. • Overall rating - Moderate • Chemical rating – Fail • Ecological rating – Moderate • Year - 2019
WFD Groundwater Bodies	The site lies within the North Kent Medway Chalk Aquifer. Water body ID GB40601G500300. • Overall rating - Poor • Chemical rating – Poor • Quantitative – Poor • Year – 2019



Flood Risk	• The site lies within a river and coastal flood plain recorded to be at very low risk of flooding. • There are no recorded historical flood events relating to the site. • There are records of 2 flood defences, north of the site located on the northern boundary associated with the wharf. • The main area of the site lies within a Flood Zone 2 (a 1 in 1000 chance of flooding each year) and the northern perimeter lies within a Flood Zone 3 with a 1 in 200 or greater chance of flooding each year when the presence of flood defences are ignored. • The site is classified as having a high, up to 1 in 30 years, 0.1 – 0.3m risk of surface water flooding. • The site has a variable moderate to high risk of groundwater flooding.
Groundwater Classification	Superficial Geology The nearest superficial aquifer is recorded to be adjacent to the northern site boundary associated with river deposits which are designated as a Secondary Undifferentiated Aquifer. This designation is assigned where it is not possible to attribute category A or B, previously designated as both minor and non-aquifers. Solid Geology The Chalk bedrock is classed as a Principal Aquifer.
Groundwater Vulnerability	• Soil/Surface leaching: intermediate vulnerability • Superficial Geology: high vulnerability • Solid Geology: high vulnerability • Soluble Rock Risk: very significant soluble rocks are likely to be present with a moderate possibility of localised subsidence or dissolution-related degradation of bedrock (3% of site at maximum risk).
Groundwater	• 3 No. groundwater abstractions within 250m; relating to borehole abstractions within 100m, used for boiler feed supply for Kimberly-Clark (borehole names Springhead and Greensand). • A further 4 No. groundwater abstractions within 500m of the site. • 9 No. Source Protection Zones within 500m. The site lies within a Source Protection Zone 2 of the groundwater abstraction boreholes.
Licensed Surface Water Abstractions	1 No licensed surface water abstraction recorded within 2000m, approx. 1010m NW relating to abstraction from River Thames for mineral washing.
Discharge Consents	8 No. licensed discharges to the River Thames within 250m of the site: • 1 No. 90m N unspecified type - now revoked. • 1 No. 120m N cooling water discharge related to the adjacent cement works – now revoked. • 3 No. 235m NW trade discharges relating to the adjacent cement works.



Pollution Incidents	14 No. within 500m of the site: 1 No. on site dated 2003 relating to firefighting run-off and classified a minor impact to water, land or air. 2 No. 31m NE both dated 2006 relating biodegradable materials and inert wastes classified as no impact to water and significant impact to land and air. All other incidents do not relate to the site.
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3.4 Landfill and Waste Management

Landfill Records	1 No. historic landfill record within 500m 1 No. historic landfill immediately south of site shown within Kimberly-Clark curtilage (BGS source, No. 1947) relating to Northfleet Power Station.
Other Waste Transfer, Treatment or Disposal	1 No. licensed waste sites within 500m of the site, 365m E, Red Lion Wharf.

3.5 Industrial Land-use, Environmental Licences, Permits and Registers

Recent/Current Industrial Land Use	There are 21 No. recorded recent industrial land uses with 250m of the site. 10 No. are recorded on or within the surrounding Kimberly-Clark site but not specifically to the Pulp Storage Area and relate to 8 No. storage tanks, an electricity sub-station and an industrial engineering business. 3 No. of the recorded recent land uses between the site and 100m include: - Travelling crane 86m N (Bowater's Wharf). 2 No. electricity substations 63m E & 69m E - Wharf 86m NE (Bowater's Wharf). Beyond 100m of the site a further 8 No. recent/current land uses include; substations, pylons, masts, chalk pits and light industrial businesses.
Recent/current Petrol Stations	None recorded within 500m
Part 2A Designated Contaminated Land	None recorded within 500m
COMAH/Regulated Explosive Sites	None recorded within 500m
Historical IPC Authorisations	2 No. recorded within 500m, both 207m E relating to paper and pulp manufacturing processes by Kimberly-Clark.



Part A (1) and IPPC Authorised Activities	12 No. recorded within 500m, including 3 No. permits for site with 2 No. relating to the disposal of non-hazardous waste involving biological treatment and 1 No. relating to the combustion of fuel. 9 No. 199m E and 207m E relating to paper/board producing processes, combustion of fuel and biological treatments operated by Kimberly-Clark.
Part A(2)/B Licensed polluted release	2 No. within 500m: • 240m SW cement permit. • 291m E quarry processes.
Red List Discharge Consents (potentially harmful discharges to controlled waters)	None recorded within 500m
List 1 and List 2 Dangerous Substances Inventory Sites	4 No. List 1 with 500m. • 140m N mercury, cadmium and pentachlorophenol – Kimberly-Clark. • 3 No. 250m NW cement, mercury and cadmium. 1 No. List 2 within 500m. • 140m N atrazine and simazine, organotin – Kimberly-Clark.

3.6 Radon

The Groundsure report assesses radon risk using data supplied by Public Health England along with BRE Document 'BR 211 - Radon: Guidance on the Protective Measures for New Dwellings' which indicates that the site partly lies within an area where less than 1% of properties are above the action level. On this basis, no radon protective measures are currently required.



3.7 Environmental Receptors

Designated Sites: SSSI, RAMSAR, SAC, SPA, NNR, LNR etc.	7 No. SSSIs within 2000m all relating to the Swanscombe Peninsula all >1300m W.
Other Relevant Environmental Receptors	No designated Green Belts within 2000m.

3.8 Unexploded Ordnance (UXO)

A detailed UXO risk assessment report was commissioned by GVR Geo and undertaken by specialist subconsultants 1st Line Defence to assess the probability of encountering explosive ordnance during the proposed redevelopment of the site using various available national archives and records.

In summary, the report indicates the site to be of Low to Medium risk. The paper mill immediately east suffered several bomb strikes during WWII. On this basis, the report recommends that a UXO Risk Management Plan is undertaken prior to any future intrusive ground works taking place and that any staff involved in such works should receive UXO awareness briefings. The 1st Line Defence Report is presented in Appendix D.



4.0 Conceptual Site Model

4.1 Background

This assessment is designed to meet the requirements for preliminary environmental risk assessment as detailed within the 'Land contamination: risk management' (Environment Agency, 2020) and 'Guidance for the Safe Development of Housing on Land Affected by Contamination' (R&D Publication 66: 2008). The latter guidance is particularly focussed on the development of housing on land affected by contamination. However, the advice is generally applicable to other forms of development and to sites where no development is proposed.

Risk to human health or environmental receptors is based on an assessment of one or more source-pathway-receptor linkages. The contaminant 'source' is any substance which has the potential to cause significant harm to a relevant receptor and the 'pathway' is any route by which the contaminant may travel to impact on a 'receptor'.

The Conceptual Site Model (CSM) summarises the principal contaminant sources, pathways and receptors for this site and the likelihood of the existence of a plausible contaminant linkage. The assessment is based on the proposed end use of 'commercial'.

4.2 Contaminants of Concern

The wider site history, as a former chalk quarry, wharf, iron foundry, embankments, tramways, brickworks and paper mill present potentially significant contaminative land uses. The adjacent land to the east presents a similar contaminative land use and to the west a cement works. Based on these historic land uses the following contaminants of concern may be anticipated:

- Polyaromatic hydrocarbons (PAH), heavy metals, water soluble sulphates.
- Mineral oils and total petroleum hydrocarbons (TPH).
- Phenols and polychlorinated Biphenyls (PCB).
- Asbestos containing materials (ACM).

4.3 Ground Gas Risk

Any made ground, infilled ground and natural alluvial deposits can provide a generally low volume source of ground gas.



4.4 Phase 1 CSM and Preliminary Environmental Risk Assessment

The significance of the potential source-pathway-receptor linkages identified in the CSM is assessed using the following criteria:

Low Risk

Not likely to cause significant harm to human health or controlled waters. Remedial measures are unlikely to be required.

Moderate Risk

Possible significant harm to human health or controlled waters could occur depending on site specific circumstances. Remedial measures may be required.

High Risk

It is likely that significant harm to human health or controlled waters will occur unless appropriate remedial measures are incorporated into the development.

Conceptual Site Model and Preliminary Environmental Risk Assessment

Source	Pathway	Receptor	Contaminant Linkage: Assessed Risk
Human Health			
Potential contaminants within the made ground/alluvium on site: PAHs, mineral oil and TPH, heavy metals, phenols, PCBs, water soluble sulphates and asbestos.	Direct contact and ingestion/inhalation of contaminated soil and dust	Construction workers	Moderate Mitigated by controlled removal of any proven contaminants prior to construction and use of appropriate PPE and good site hygiene practice during construction.
	Direct contact and ingestion/inhalation of contaminated soil and dust	End users	Moderate Mitigated by the provision of an effective ground surface barrier. No further mitigation anticipated.
Off-site sources of soil or groundwater contaminants	Migration of contaminants in the adjacent land via leaching and surface water run-off or groundwater migration on to site and ingestion/inhalation of contaminated soils.	End users	Low Mitigated by the presence of hardstanding providing an effective ground surface barrier. No further mitigation anticipated.
Ground gas migration from infilled ground on site or adjacent land.	Migration through permeable natural strata and made ground and accumulation in confined spaces and inhalation	End users	Low Continuous concrete slab and lack of occupied structures. No further mitigation anticipated



Source	Pathway	Receptor	Contaminant Linkage: Assessed Risk
Controlled Waters			
Contaminants within the made ground or alluvial deposits on site.	Vertical and lateral migration to groundwater.	Principal Aquifer (Chalk strata)	Moderate There is potential for leachable contaminants in the made ground directly overlying the Chalk below the site to be currently impacting this Principal Aquifer. Mitigation may be required in the form of removal of proven mobile or leachable contamination during construction.
		Surface Waters (River Thames)	Moderate There is potential for mobile or leachable contaminants in the made ground to be currently impacting on this sensitive surface water receptor. Mitigation may be required in the form of removal of proven contamination during construction.



5.0 Conclusions and Recommendations

The following assessment should be considered as preliminary until it can be verified by a targeted ground investigation for the proposed development. The investigation will acquire environmental data on the potential contaminants on site and geotechnical data necessary for engineering design.

5.1 Foundation Design and Construction

Targeted ground investigation is required to verify nature, thickness and properties of the made ground, and to prove the presence or not of subsurface obstructions and possible voids relating to former land use (housing/public house (possible basement) and to prove the depth to rockhead.

The depth, strength, density and plasticity of the underlying made ground, any natural superficial deposits and the Chalk bedrock should be determined by sampling and in-situ testing to identify the type and required depth of foundations for the proposed development.

5.2 Contaminants of Concern and Remediation

The presence or not of potential contaminants of concern in the made ground and underlying shallow bedrock should be assessed by targeted investigation, sample analysis and risk assessment to determine if there are identified contaminants that pose a risk of harm to human health/controlled waters/ecosystems.

The results of the chemical testing should be subject to risk assessment using published generic assessment criteria (GACs) for the 'industrial/commercial end use' and following this, soil re-use and/or remediation mitigation measures can be considered, if required.

5.3 Ground Gas

The proposed development comprises the construction of a reinforced concrete slab for temporary storage of wood pulp bales. As such, there is no risk of gas accumulation which would affect the end-users of the site.

Gas monitoring should be conducted when entering cable ducts or other chambers/channels during site surveys in accordance with current best practice.

No radon protective measures are required.

5.4 Drainage

The site comprises an operational paper mill which currently includes surface water drainage. Localised changes to the existing surface water drainage are likely to be required, but as there is likely to be a very shallow water table, soakaway drainage is unlikely to be suitable. Therefore, assessment of soakaway drainage is not recommended.

5.5 Recommendations for Ground Investigation

To establish the environmental risk based on the findings of the CSM, the following ground investigation works are recommended:

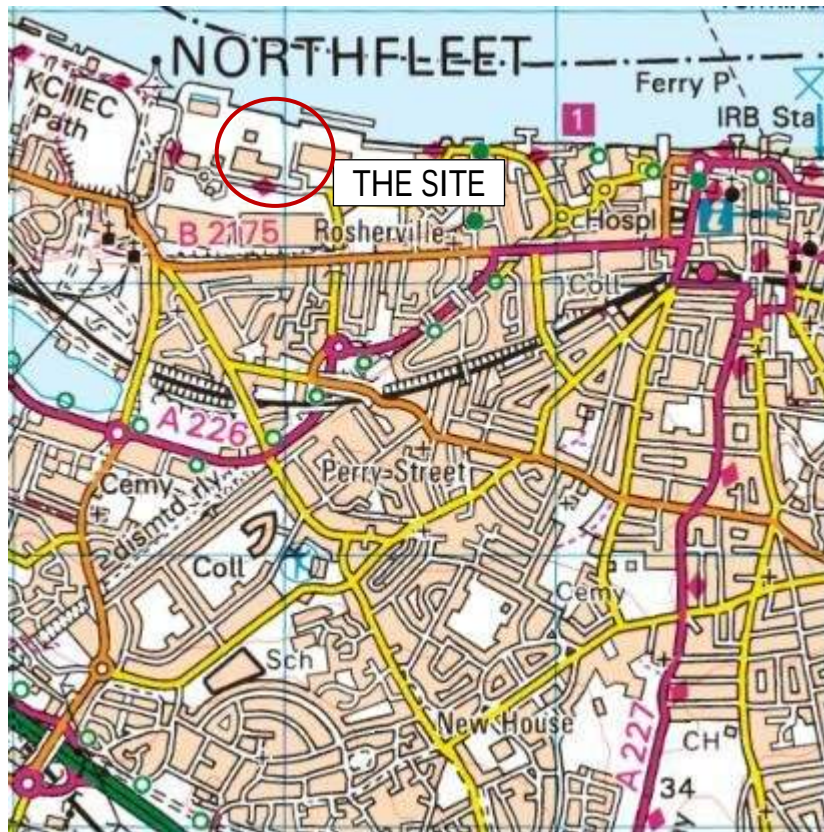


- Exploratory holes extending through the made ground, any natural superficial deposits (if present) and into the Chalk bedrock, to retrieve samples for chemical laboratory testing to determine the presence of potential contaminants of concern.
- Shallow hand excavated trial pits along the line of the proposed new footway to the northeast of the proposed area.
- Geotechnical laboratory testing of soils and bedrock to provide parameters for foundation design.
- Factual and interpretive report, providing recommendations for remedial actions as required to allow the safe development of the site and recommendations for foundations and engineering design.



Appendix A

Drawings



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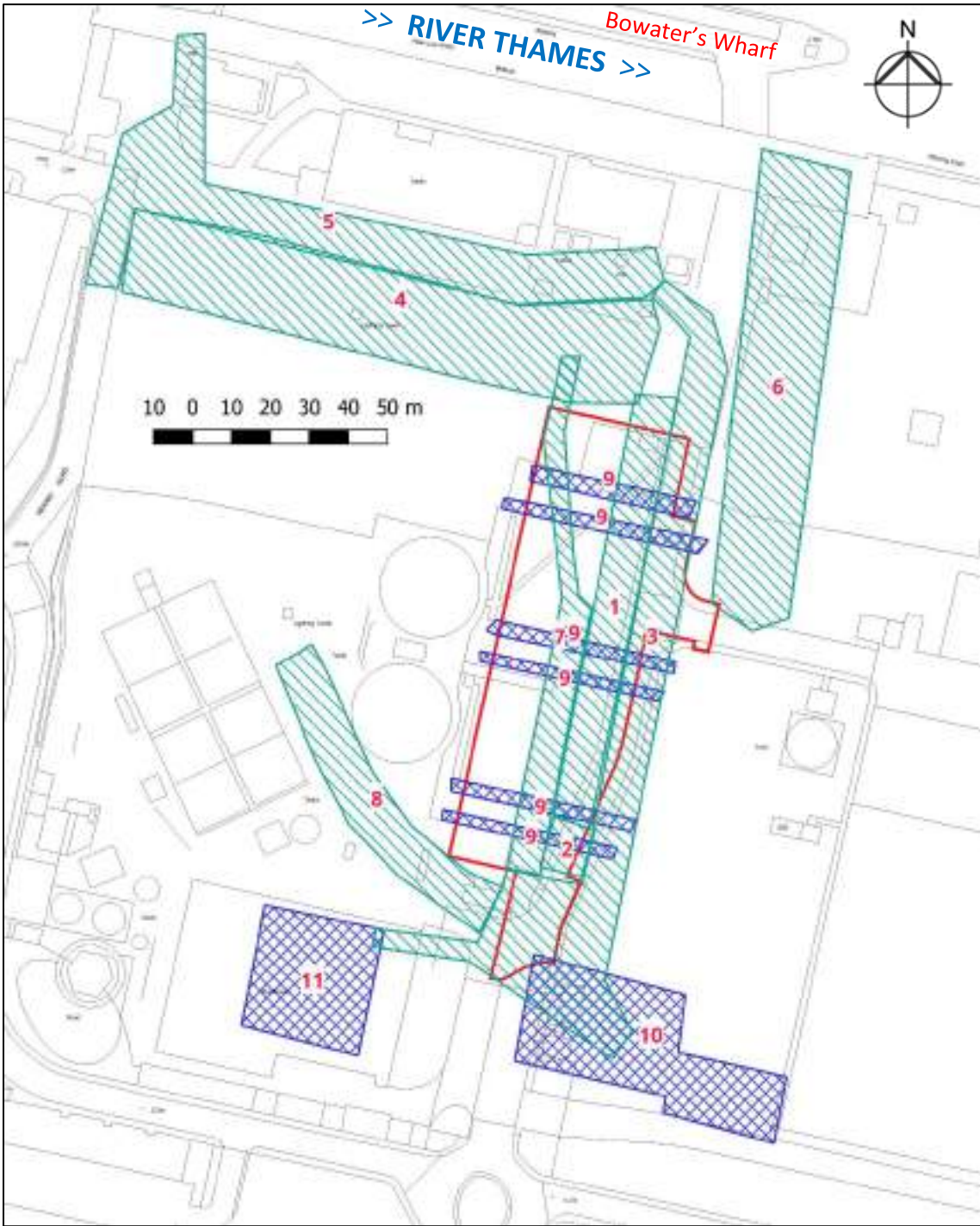
Scale
NTS

Title:
Site Location Plan

Revision
0

Client:
Hyro Energy Ltd

Dwg. No.
G-22-049A-001



KEY:

1863-1950 Site Features (other features added as appropriate with date) – 1907 Survey used
SHOWN IN GREEN

- 1. Dock Row - Houses
- 2. Public House
- 3. Dock Row – Road
- 4. The Shore Dwellings, Public Houses, Post Office & 3A Forge (1898)
- 5. The Shore - Road
- 6. Old Dock – Masonry lined – encroaches on boundary
- 7. Unnamed Road.
- 8. Coach Road – Road

1955-1990 Site Features (Other features added as appropriate with date) – 1973 Survey Used
SHOWN IN BLUE (unless noted otherwise)

- 9. TC. Travelling Crane Tracks on concrete stockyard apron and feeding to Jetty/Bowater's Wharf
- 10. Unnamed building
- 11. Unnamed building

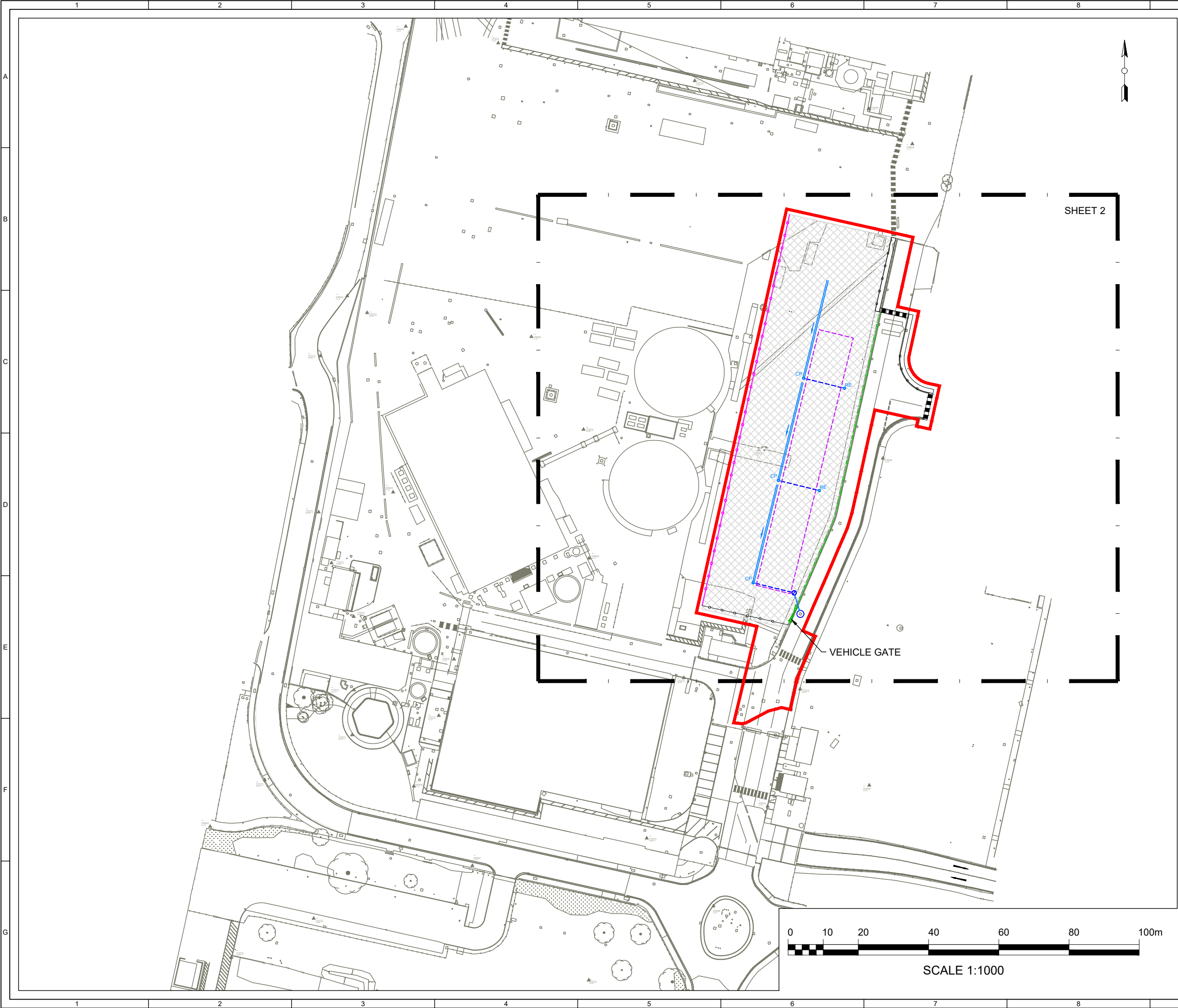
NB: Car park from 1951 survey over extent of Dock Row houses omitted for clarity.

Background mapping shows current arrangement

Site Boundary shown in Red

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Job: G-24-049A Northfleet, Kent	Scale: As Shown
Title: Historic Site Features	Revision: 1
Client: Hyro Energy Ltd	Drawing Number: G-24-049A-002



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2025 LICENCE NUMBER 0100031673.

KEY:

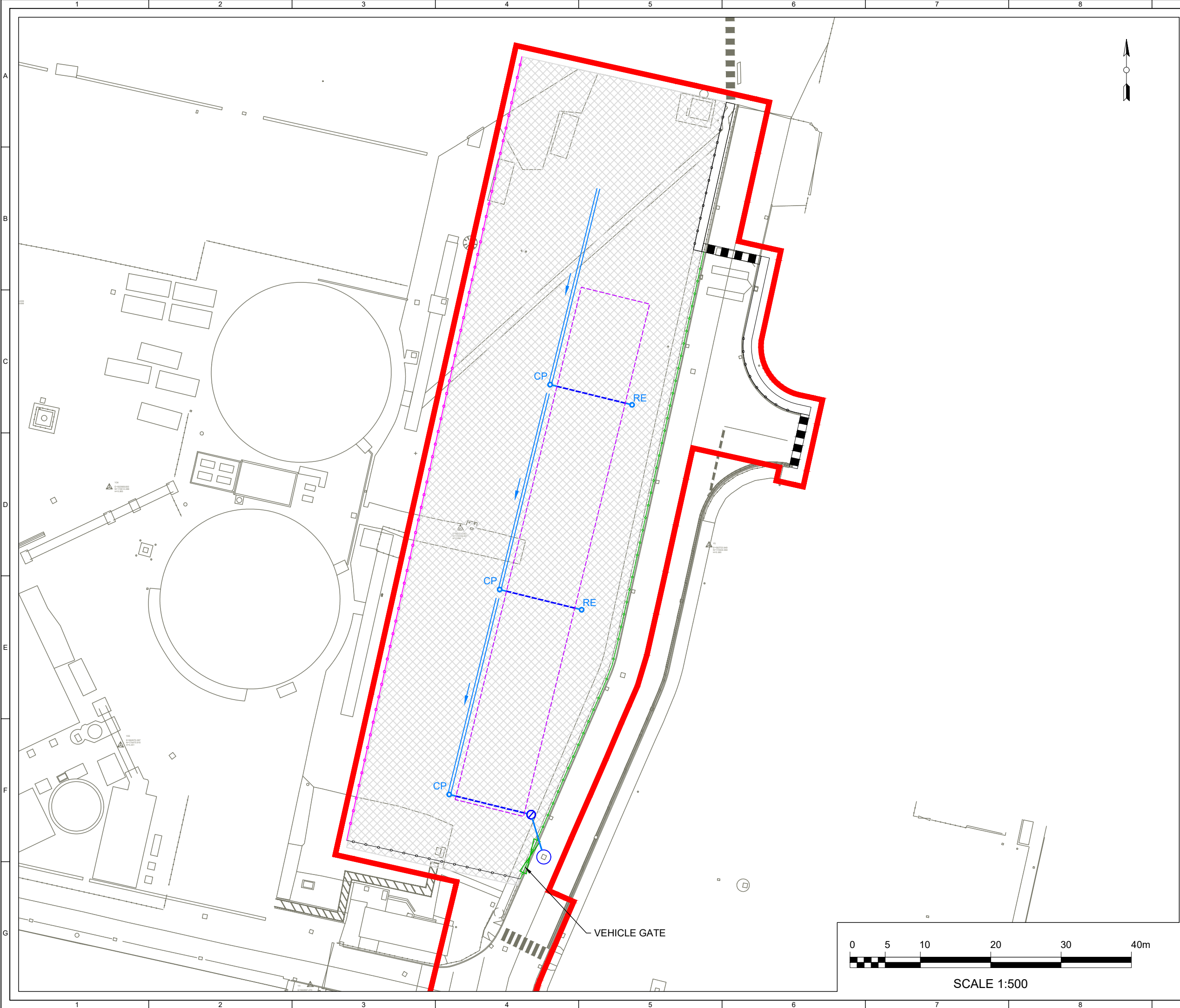
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(0.51 HECTARES) (INSIDE EDGE OF
LINE DENOTES BOUNDARY)

HARDSTANDING KEY

- PULP STORAGE HARDSTANDING
(CONCRETE SLAB)
- VEHICLE BARRIER (A-SAFE BARRIER)
- VEHICLE BARRIER (ARMCO BARRIER)
- PALISADE FENCE
- GATE
- LINEAR CHANNEL DRAIN
- PERFORATED PIPE
- DRAINAGE PIPE
- CATCHPIT
- RODDING EYE
- MANHOLE WITH FLOW CONTROL
- MODULAR ATTENUATION CRATES
- SURFACE WATER DRAINAGE
CONNECTION POINT
- FOOTPATH
- WALKWAY MARKING

SHEET 1 OF 3

2	BM	DC	IB	2025-02-06	UPDATED PROJECT TITLE AND UPDATED VEHICLE BARRIER
1	BM	DC	IB	2025-01-23	FIRST ISSUE
ISSUE	DRAWN	CHKD	APPD	DATE	REVISION NOTES
PURPOSE					COORDINATES
PLANNING					OSGB 1936
SCALE					DATUM
1:1,000 @A3					N/A
LAYOUT DRAWING					T-LAYOUT NO
N/A					N/A
PROJECT TITLE					
NORTHFLEET PULP LAYDOWN AREA					
DRAWING TITLE					
PULP STORAGE HARDSTANDING INFRASTRUCTURE LAYOUT					
RES DRAWING NUMBER					REV
05135-RES-PRO-DR-PT-010					2
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KEY:

DEVELOPMENT BOUNDARY
(0.51 HECTARES) (INSIDE EDGE OF
LINE DENOTES BOUNDARY)

HARDSTANDING KEY

PULP STORAGE HARDSTANDING
(CONCRETE SLAB)

VEHICLE BARRIER (A-SAFE BARRIER)

VEHICLE BARRIER (ARMCO BARRIER)

PALISADE FENCE

GATE

LINEAR CHANNEL DRAIN

PERFORATED PIPE

DRAINAGE PIPE

CP

CATCHPIT

RE

RODDING EYE

MANHOLE WITH FLOW CONTROL

MODULAR ATTENUATION CRATES

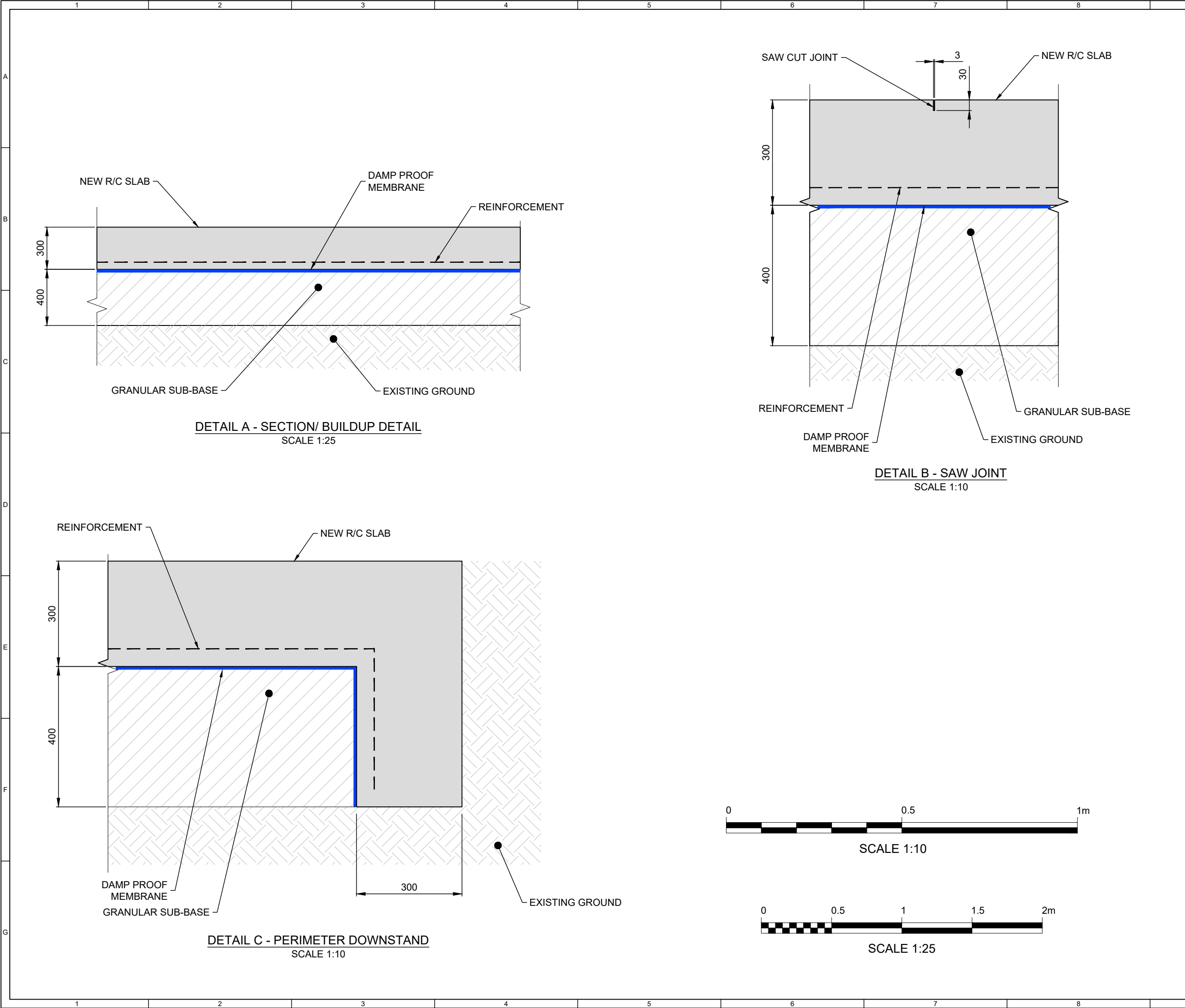
SURFACE WATER DRAINAGE
CONNECTION POINT

FOOTPATH

WALKWAY MARKING

SHEET 2 OF 3

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ISSUE	DRAWN	CHKD	APPD	DATE	REVISION NOTES
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PLANNING					OSGB 1936
SCALE					DATUM
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PROJECT TITLE					
NORTHFLEET PULP LAYDOWN AREA					
DRAWING TITLE					
PULP STORAGE HARDSTANDING INFRASTRUCTURE LAYOUT					
RES DRAWING NUMBER					REV
05135-RES-PRO-DR-PT-010					2
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NOTES:
1. DESIGN SHOWN IS PRELIMINARY AND INDICATIVE.

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2	BM	DC	IB	2025-02-06	UPDATED PROJECT TITLE AND UPDATED VEHICLE BARRIER
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ISSUE	DRAWN	CHKD	APPD	DATE	REVISION NOTES
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SCALE AS SHOWN @A3					DATUM N/A
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PROJECT TITLE NORTHFLEET PULP LAYDOWN AREA					
DRAWING TITLE PULP STORAGE HARDSTANDING INFRASTRUCTURE LAYOUT					
RES DRAWING NUMBER 05135-RES-PRO-DR-PT-010					REV 2
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Appendix B

Historical Maps



1:1,250 Scale Grid Index



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ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_1_2
Grid Ref: 562379, 174634

Map Name: National Grid

Map date: 1952

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1952 Revised 1952 Edition N/A Copyright N/A Levelled 1952	Surveyed 1952 Revised 1952 Edition N/A Copyright N/A Levelled 1952



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ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_1_2
Grid Ref: 562379, 174634

Map Name: National Grid

Map date: 1953

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A
Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A

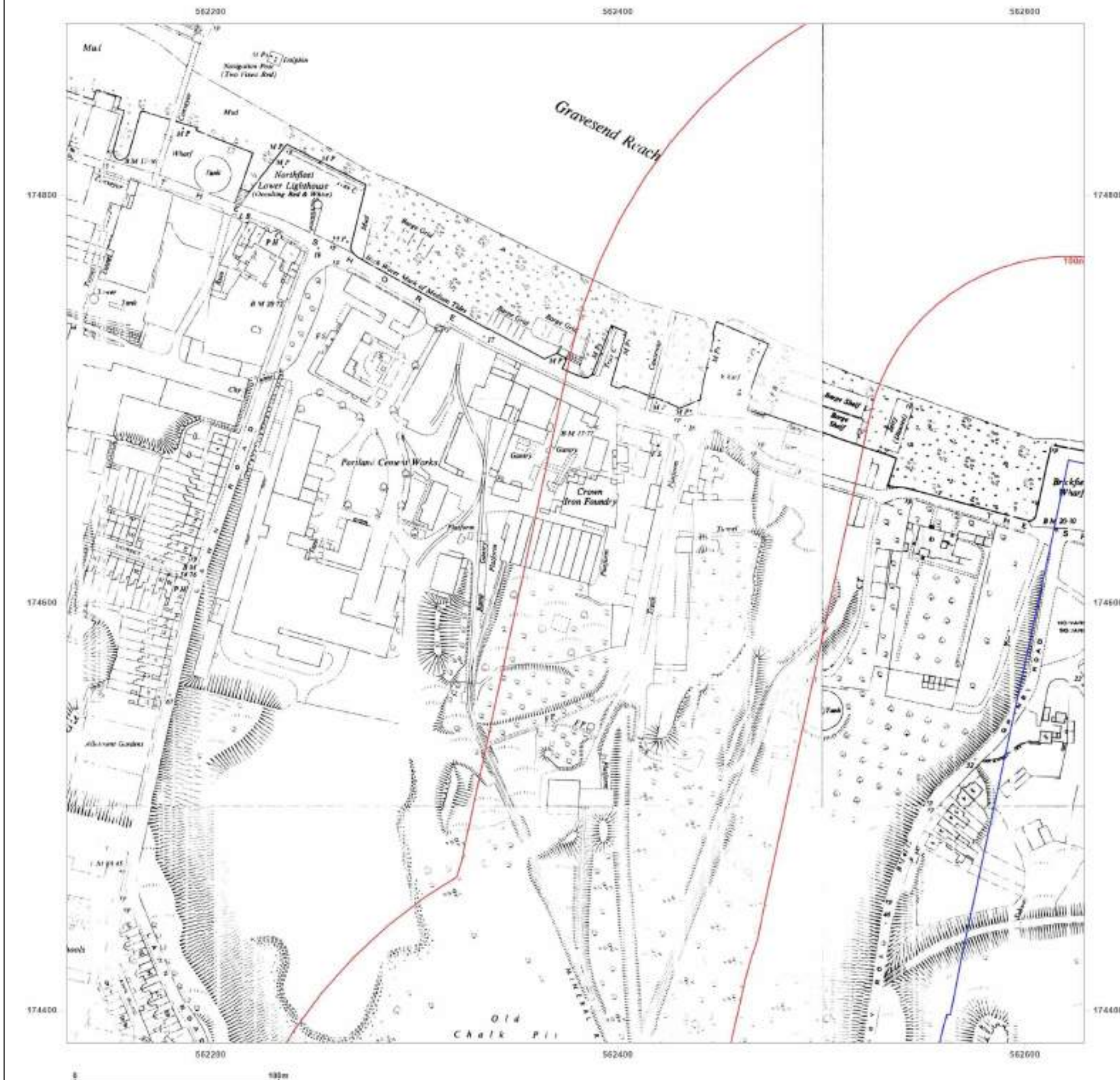


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_1_2
Grid Ref: 562379, 174634

Map Name: National Grid

Map date: 1959-1960

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1952
Revised 1959
Edition N/A
Copyright 1960
Levelled 1952

Surveyed 1959
Revised 1959
Edition N/A
Copyright N/A
Levelled 1952

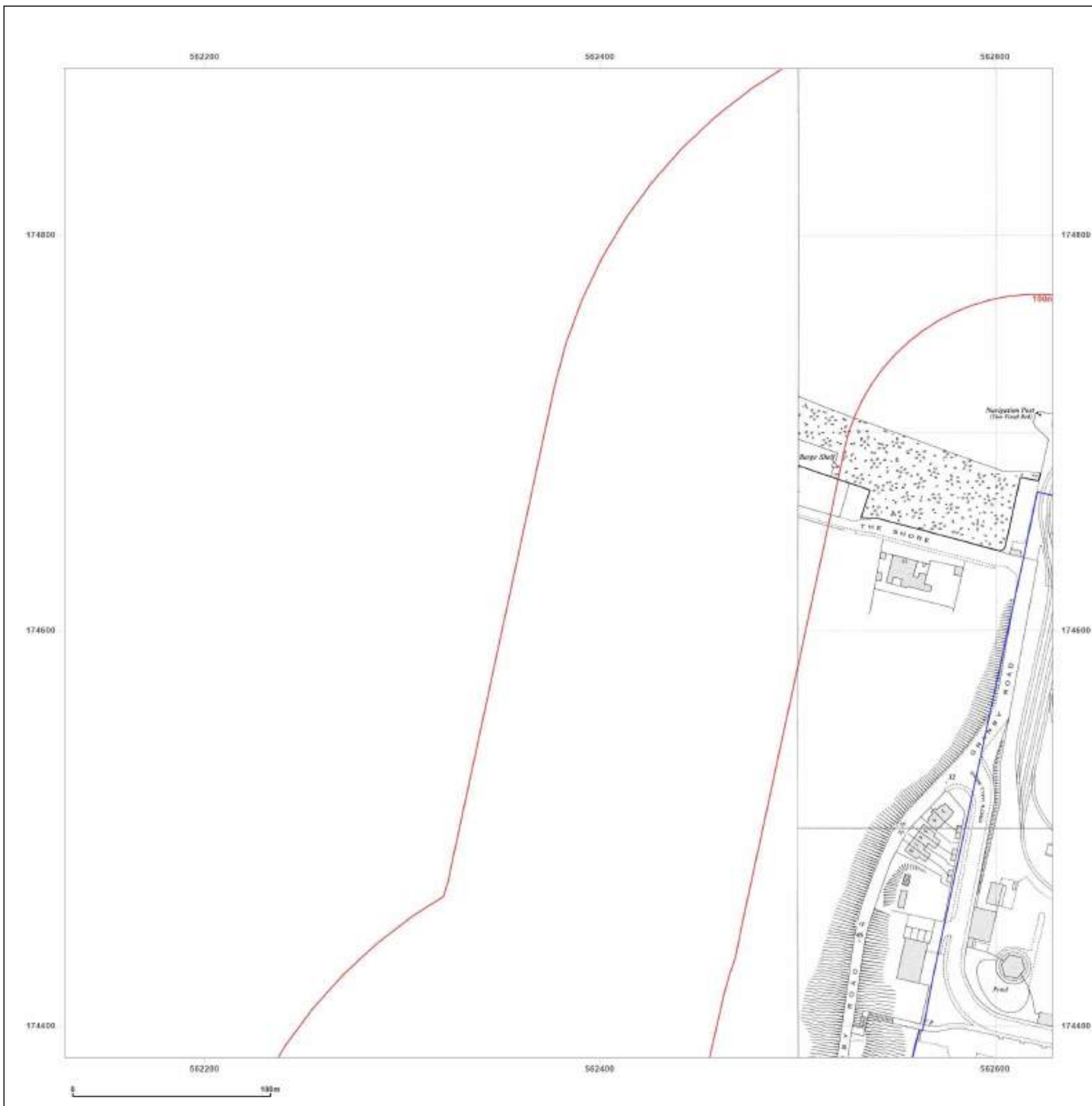


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_1_2
Grid Ref: 562379, 174634

Map Name: National Grid

Map date: 1972-1973

Scale: 1:1,250

Printed at: 1:2,000



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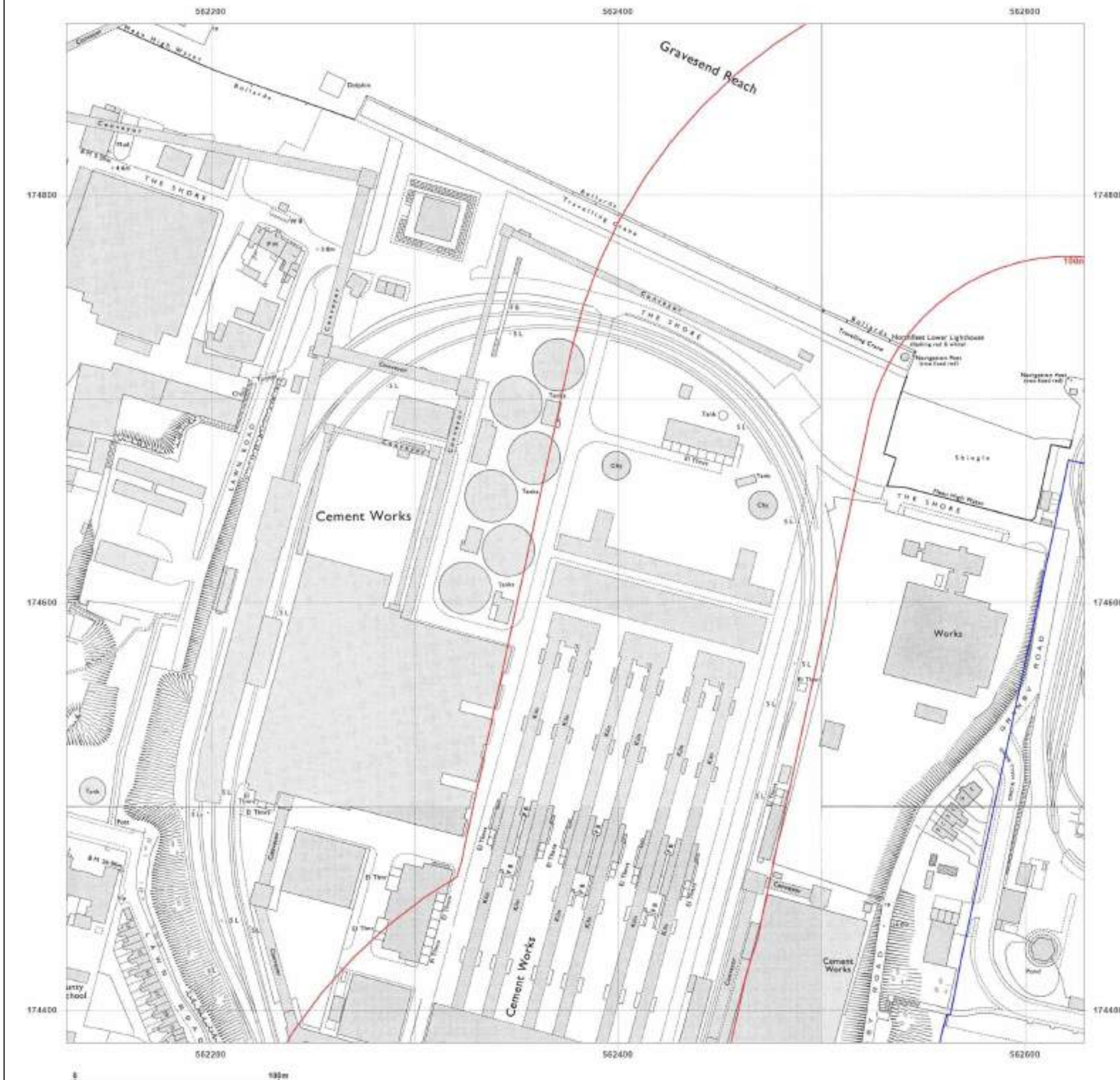


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ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_1_2
Grid Ref: 562379, 174634

Map Name: National Grid

Map date: 1978-1980

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed N/A Revised N/A Edition N/A Copyright 1980 Levelled 1956	Surveyed N/A Revised N/A Edition N/A Copyright 1978 Levelled 1956

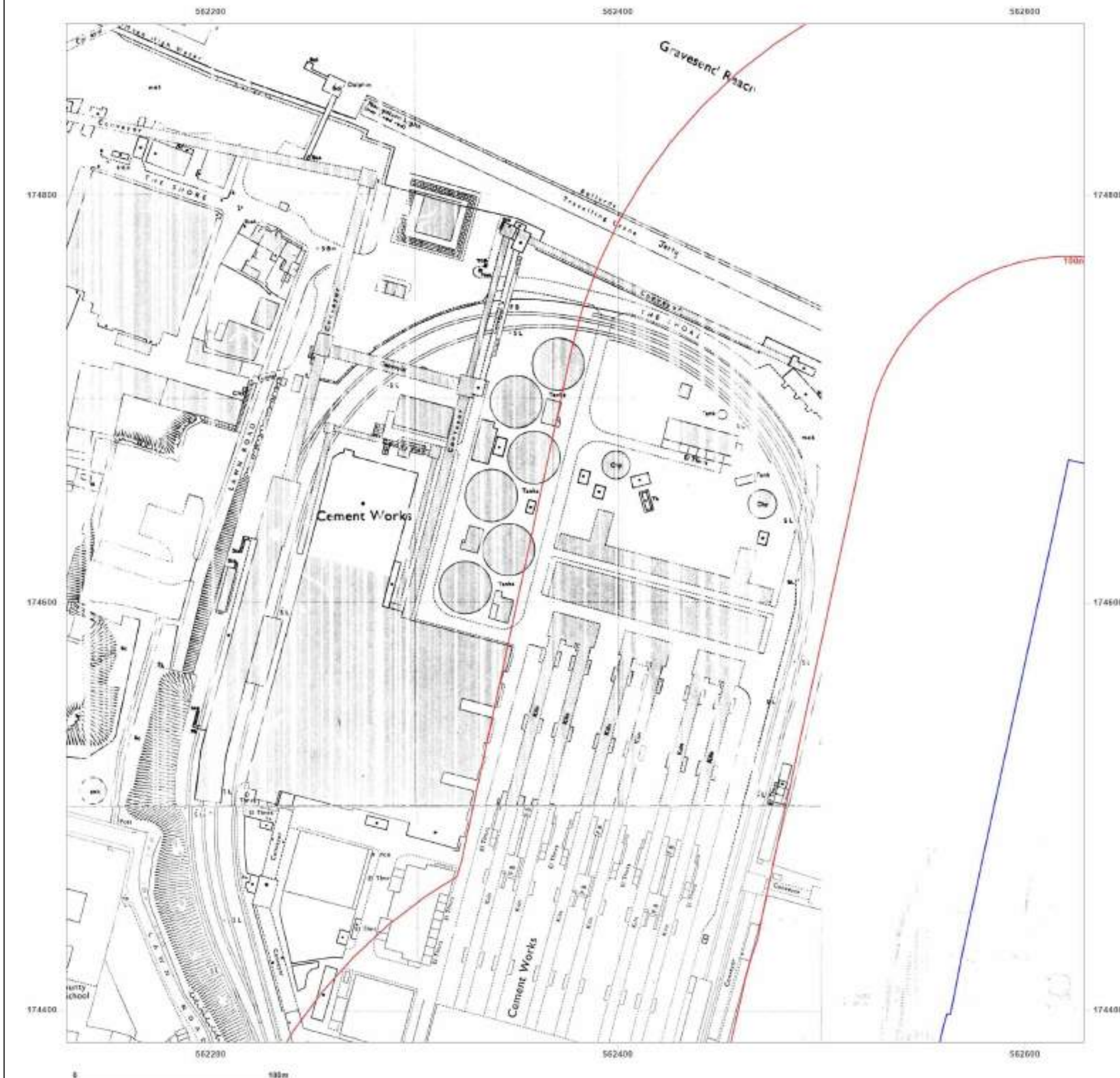


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ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

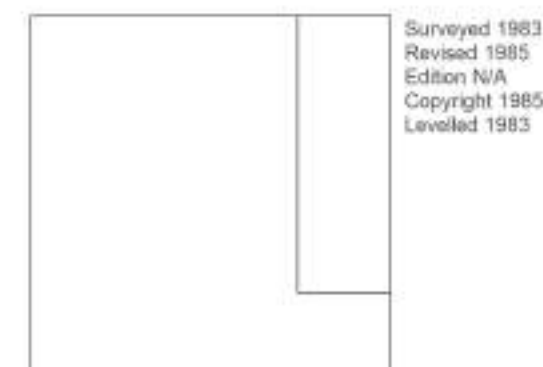
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Grid Ref: 562379, 174634

Map Name: National Grid

Map date: 1985

Scale: 1:1,250

Printed at: 1:2,000



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ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_2
Grid Ref: 562879, 174634

Map Name: National Grid

Map date: 1952

Scale: 1:1,250

Printed at: 1:2,000



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ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_2
Grid Ref: 562879, 174634

Map Name: National Grid

Map date: 1953

Scale: 1:1,250

Printed at: 1:2,000



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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_2
Grid Ref: 562879, 174634

Map Name: National Grid

Map date: 1959-1960

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1959 Revised 1959 Edition N/A Copyright N/A Levelled 1952	



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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_2
Grid Ref: 562879, 174634

Map Name: National Grid

Map date: 1972-1975

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1952
Revised 1973
Edition N/A
Copyright 1973
Levelled 1958

Surveyed 1952
Revised 1975
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Copyright 1975
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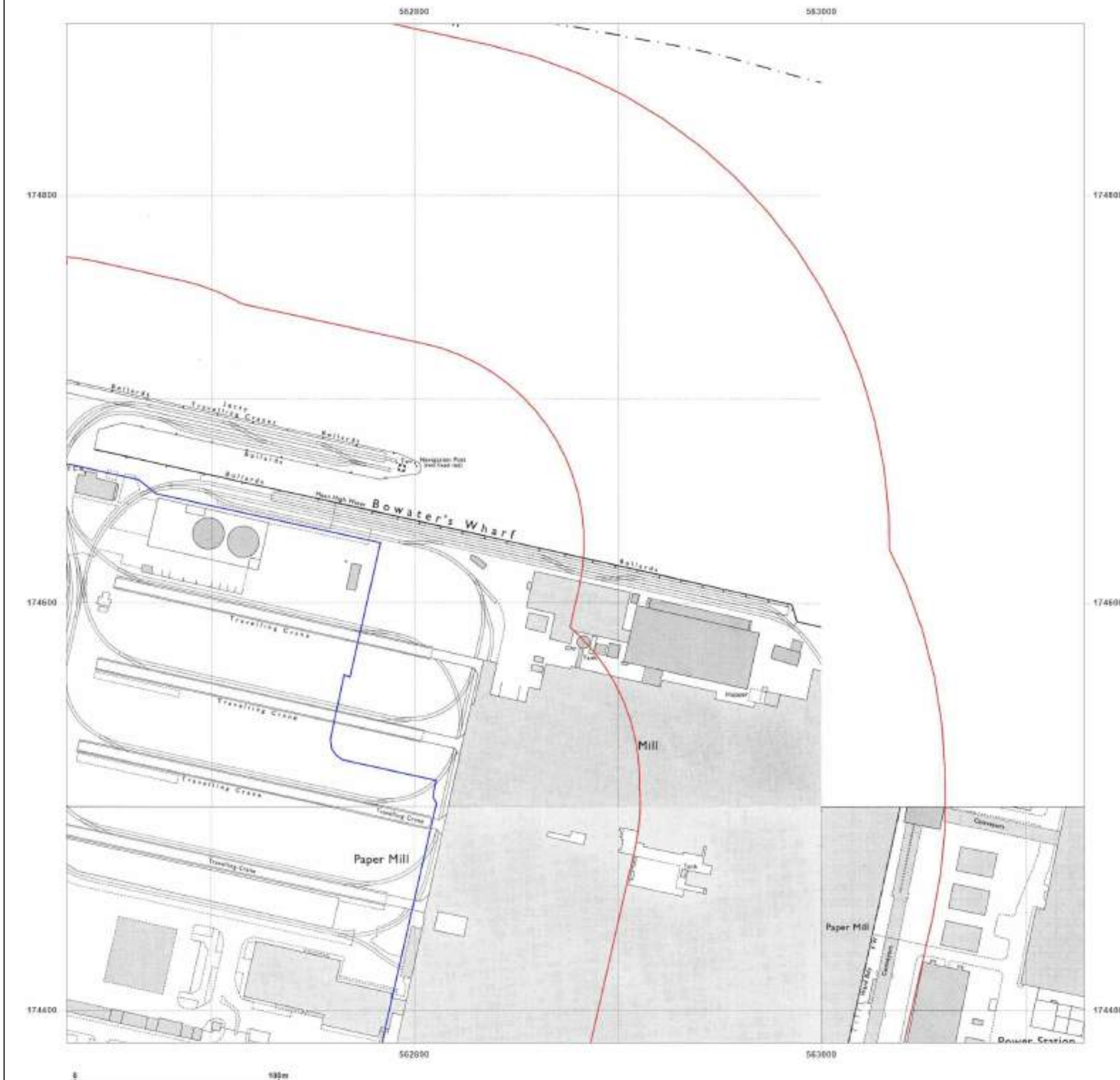


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ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_2
Grid Ref: 562879, 174634

Map Name: National Grid

Map date: 1985

Scale: 1:1,250

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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_2
Grid Ref: 562879, 174634

Map Name: National Grid

Map date: 1993-1995

Scale: 1:1,250

Printed at: 1:2,000



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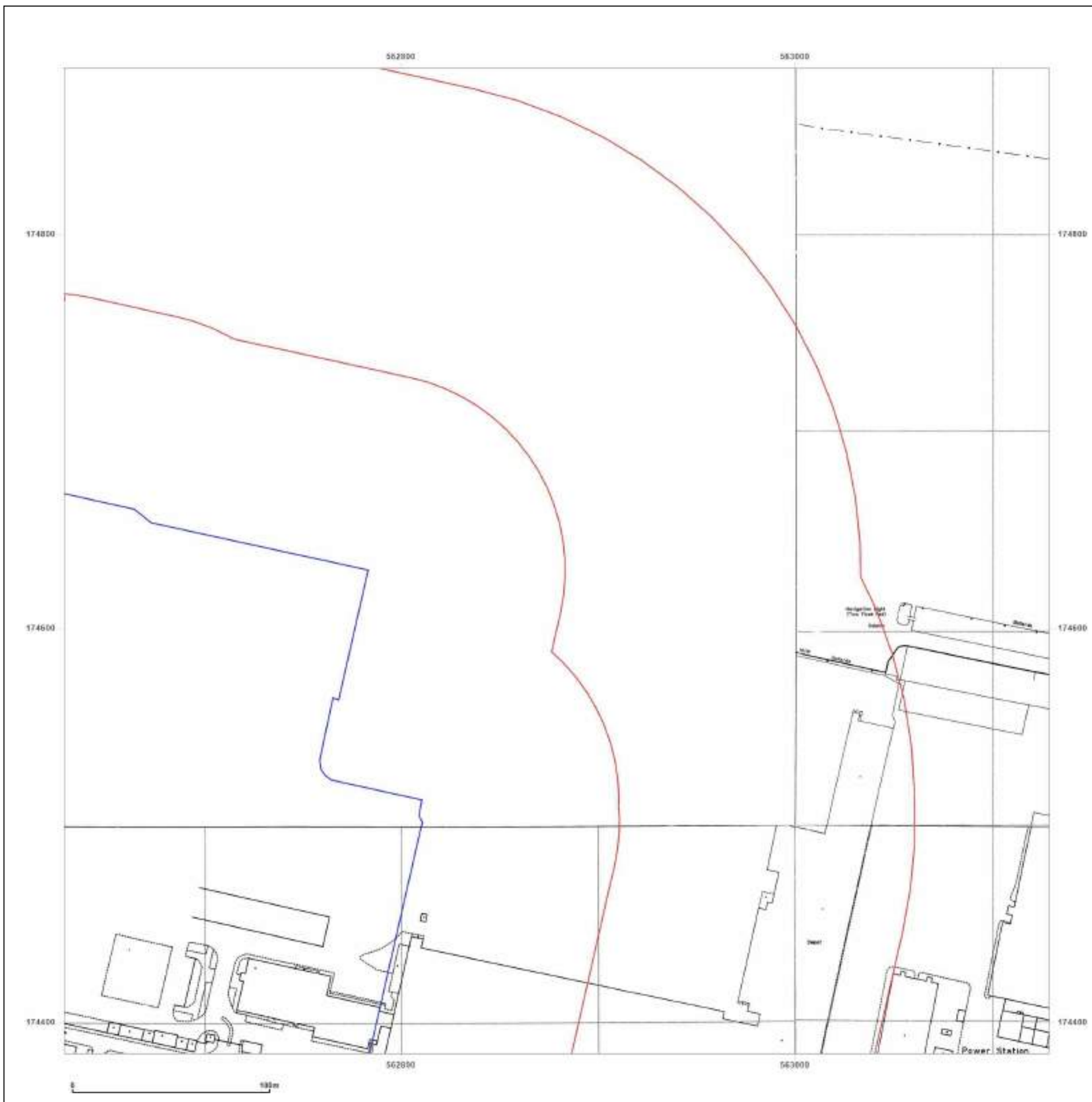


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_1_1
Grid Ref: 562379, 174134

Map Name: National Grid

Map date: 1952

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_1_1
Grid Ref: 562379, 174134

Map Name: National Grid

Map date: 1953

Scale: 1:1,250

Printed at: 1:2,000



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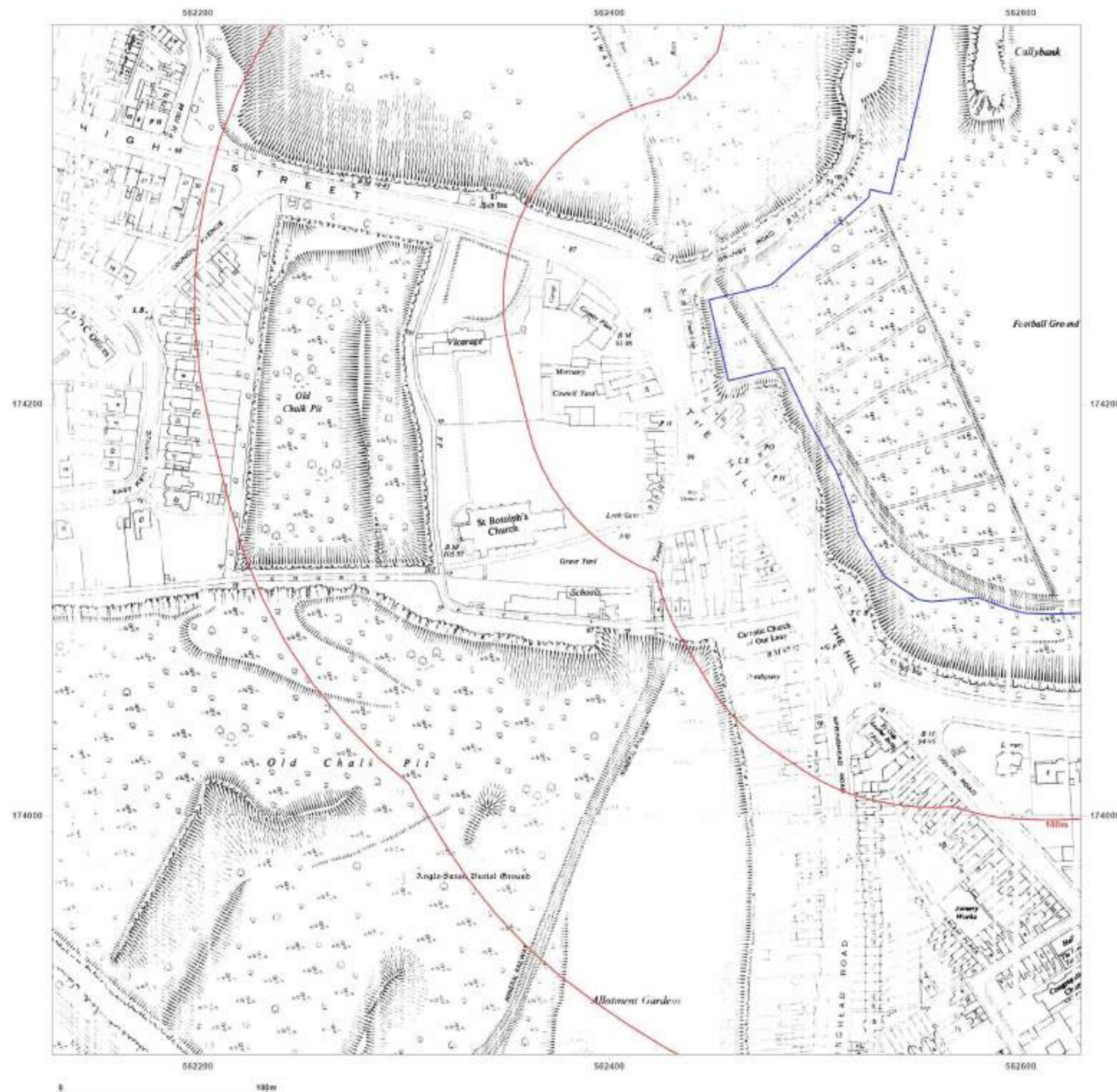


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ROAD, NORTHFLEET,
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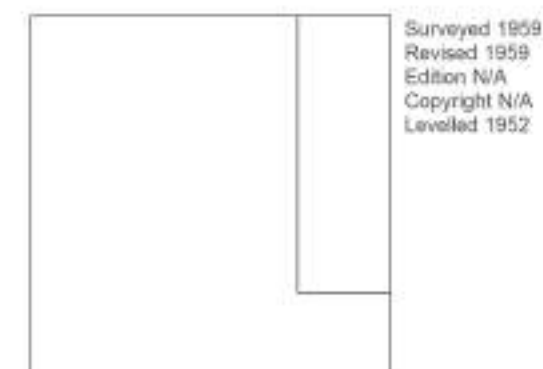
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Grid Ref: 562379, 174134

Map Name: National Grid

Map date: 1959

Scale: 1:1,250

Printed at: 1:2,000



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CRETE HALL ROAD 23M FROM
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ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

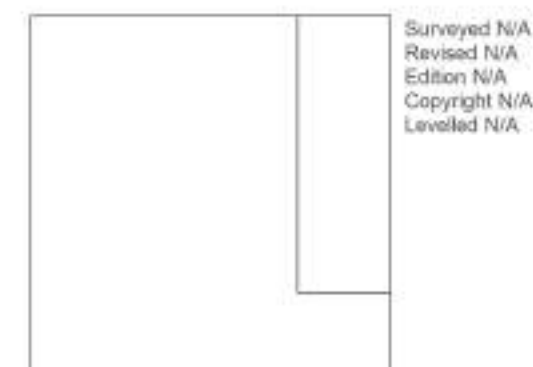
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Map Name: National Grid

Map date: 1960

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

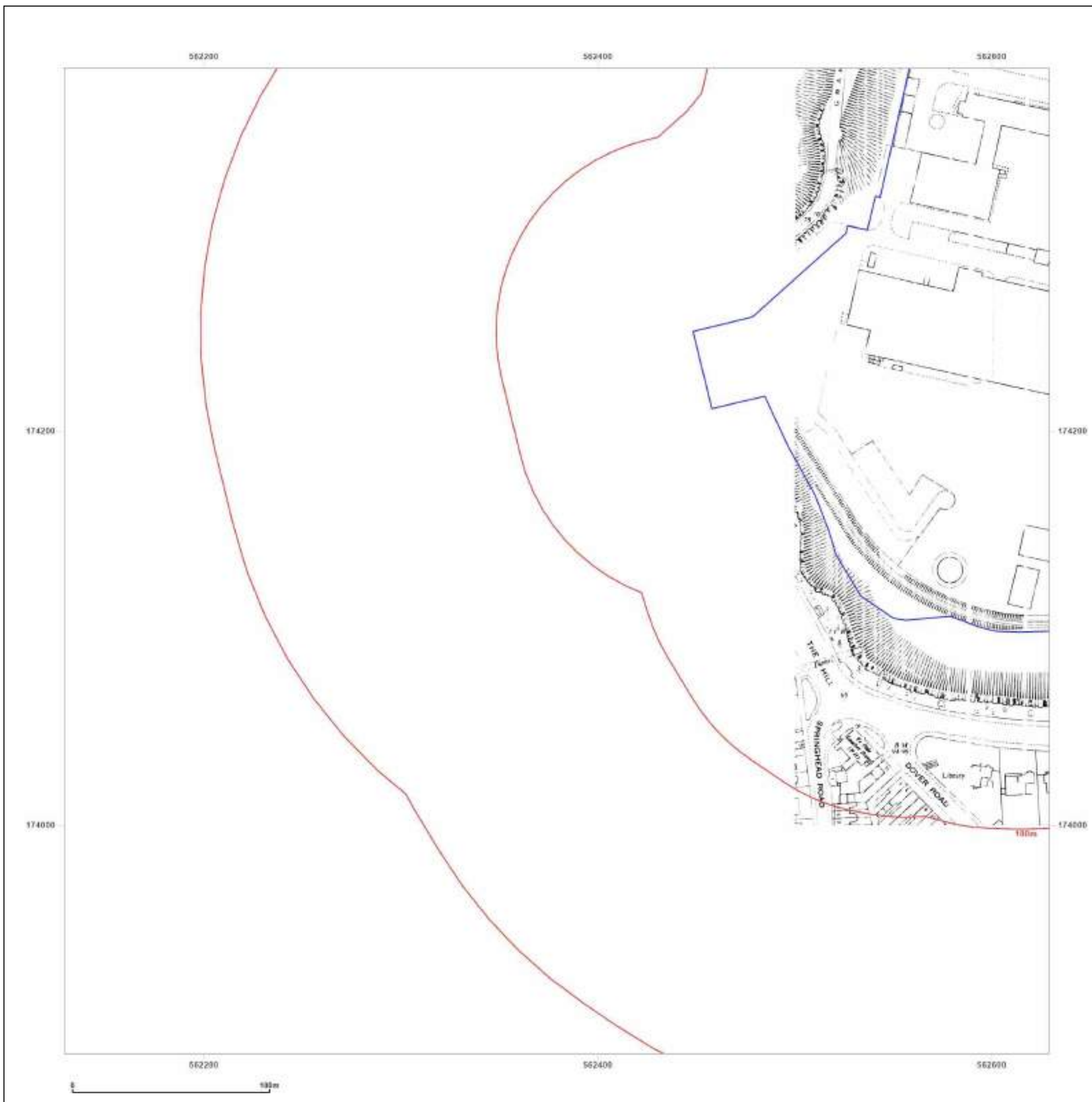


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ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_1_1
Grid Ref: 562379, 174134

Map Name: National Grid

Map date: 1972-1973

Scale: 1:1,250

Printed at: 1:2,000



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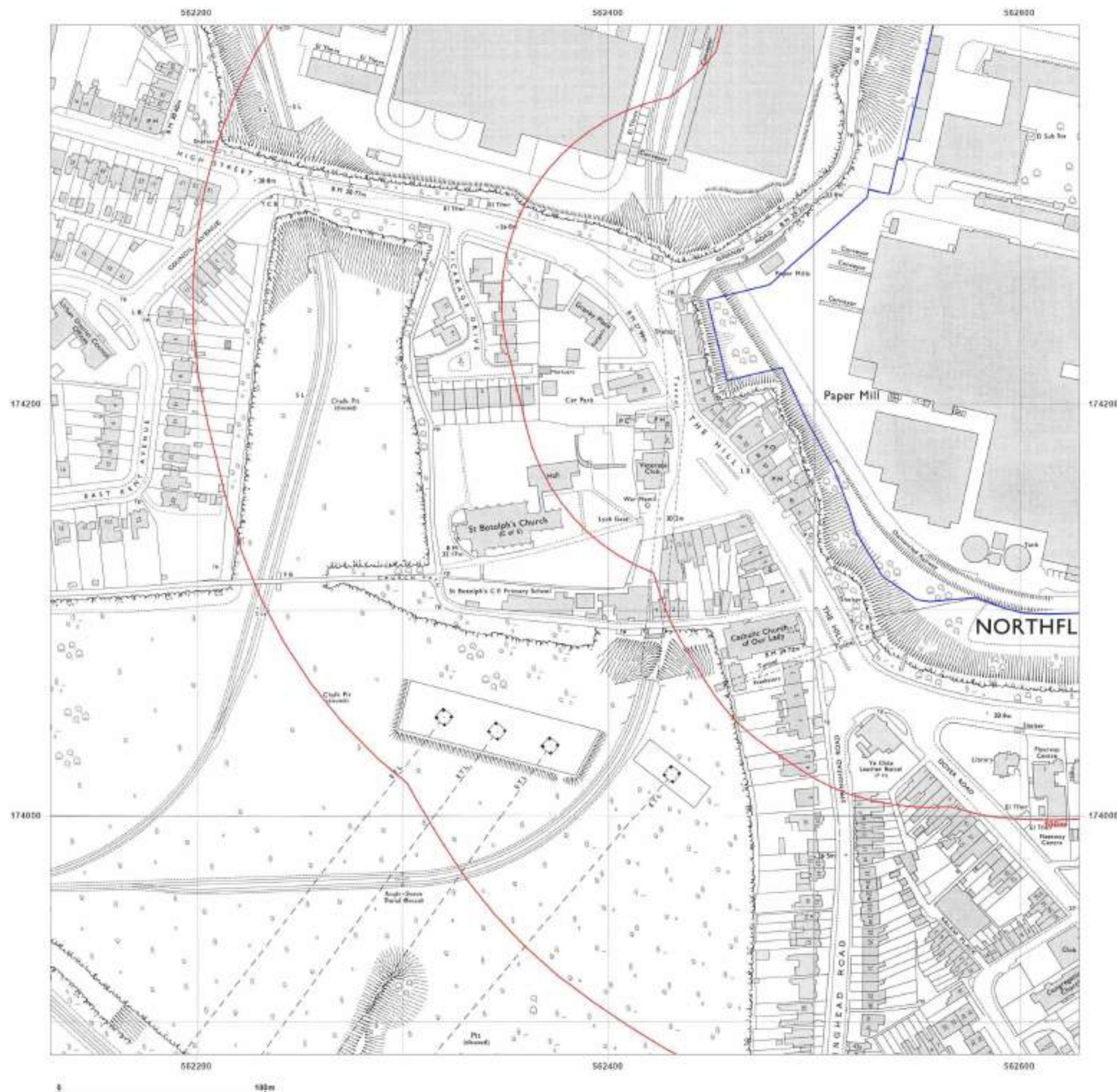


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ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_1_1
Grid Ref: 562379, 174134

Map Name: National Grid

Map date: 1977-1980

Scale: 1:1,250

Printed at: 1:2,000



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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_1_1
Grid Ref: 562379, 174134

Map Name: National Grid

Map date: 1993-1994

Scale: 1:1,250

Printed at: 1:2,000



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Edition N/A
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Levelled N/A

Surveyed 1993
Revised 1993
Edition N/A
Copyright 1993
Levelled N/A

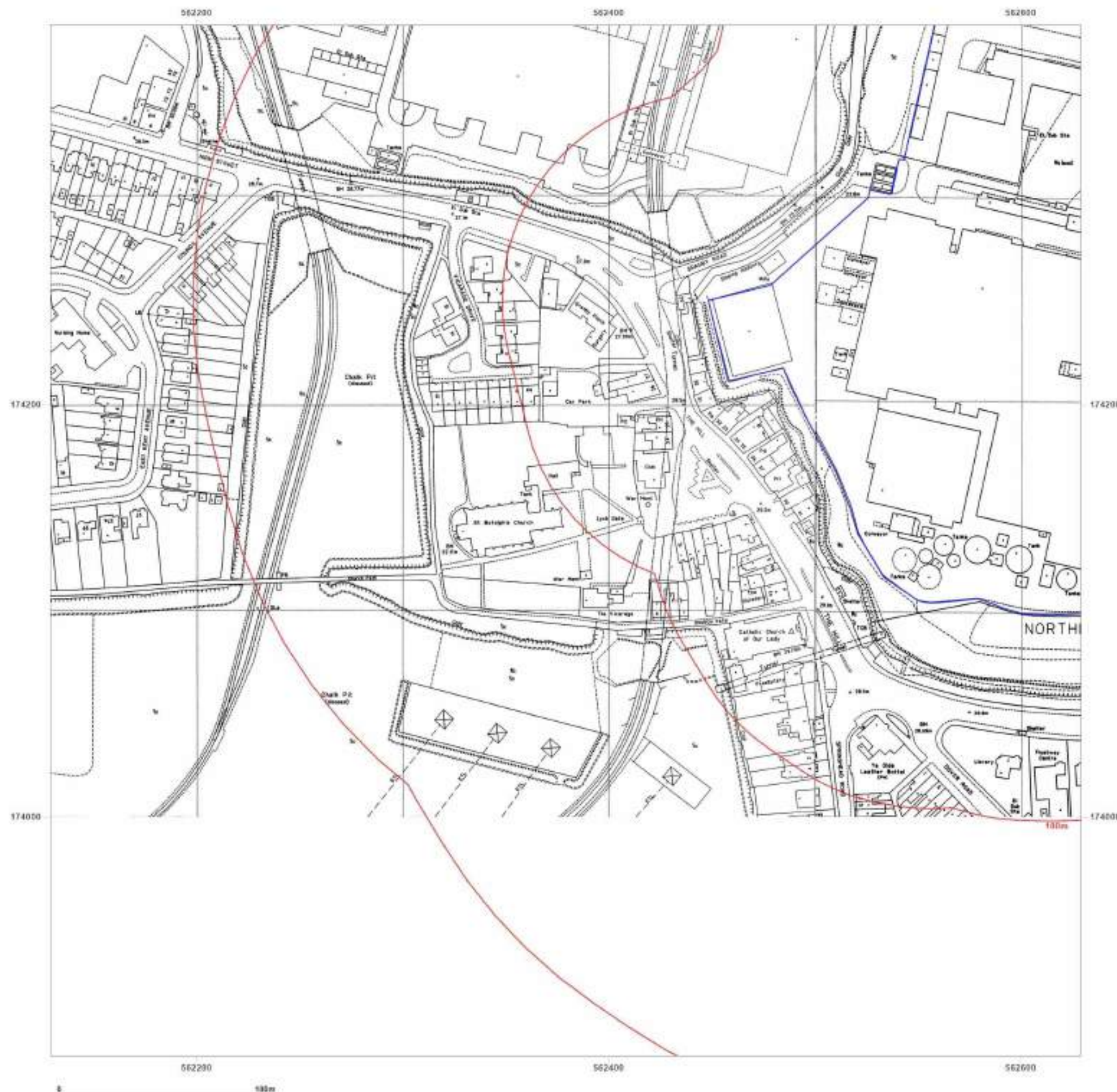


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_1
Grid Ref: 562879, 174134

Map Name: National Grid

Map date: 1952

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_1
Grid Ref: 562879, 174134

Map Name: National Grid

Map date: 1953

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_1
Grid Ref: 562879, 174134

Map Name: National Grid

Map date: 1959-1960

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_1
Grid Ref: 562879, 174134

Map Name: National Grid

Map date: 1960-1965

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_1
Grid Ref: 562879, 174134

Map Name: National Grid

Map date: 1972-1975

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1952 Revised 1973 Edition N/A Copyright 1973 Levelled 1958	Surveyed 1952 Revised 1975 Edition N/A Copyright 1975 Levelled 1958
Surveyed 1952 Revised 1971 Edition N/A Copyright 1972 Levelled 1952	Surveyed 1952 Revised 1971 Edition N/A Copyright 1972 Levelled 1952



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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_1250_2_1
Grid Ref: 562879, 174134

Map Name: National Grid

Map date: 1977-1978

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A Revised N/A Edition N/A Copyright 1978 Levelled 1958	
Surveyed N/A Revised N/A Edition N/A Copyright 1977 Levelled N/A	



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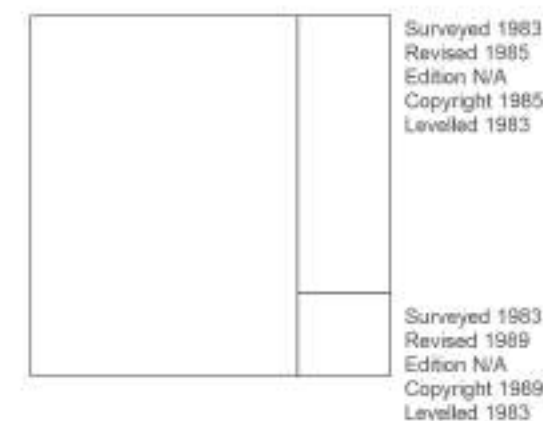
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Grid Ref: 562879, 174134

Map Name: National Grid

Map date: 1985-1989

Scale: 1:1,250

Printed at: 1:2,000

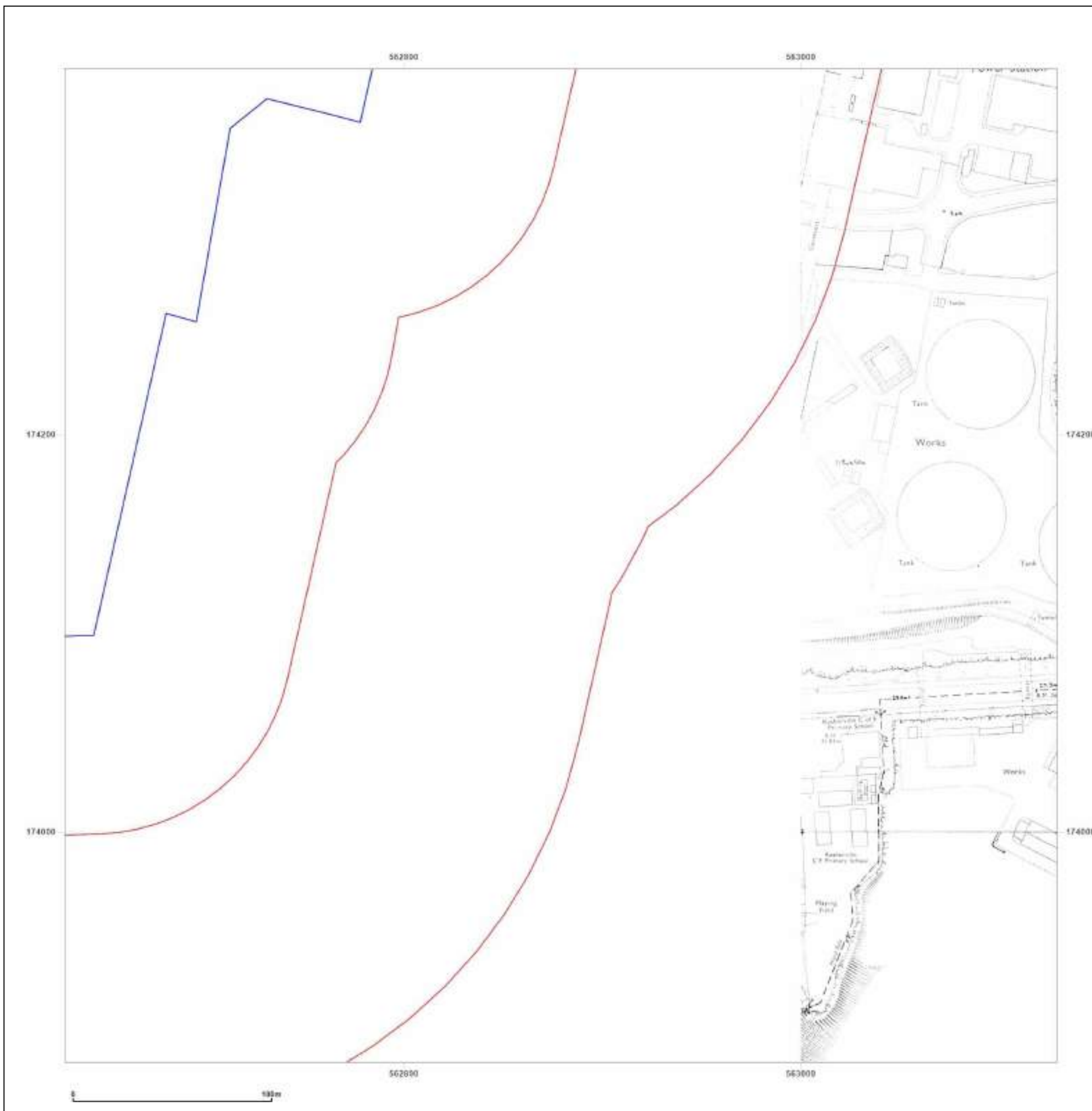


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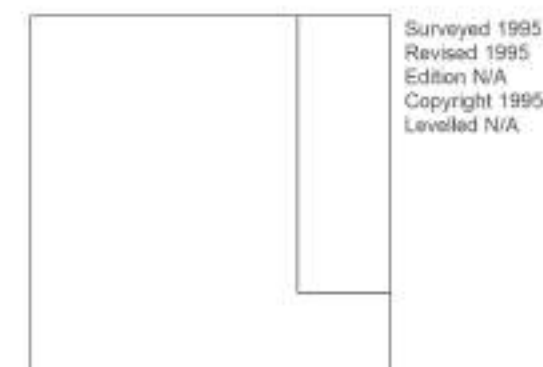
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Grid Ref: 562879, 174134

Map Name: National Grid

Map date: 1995

Scale: 1:1,250

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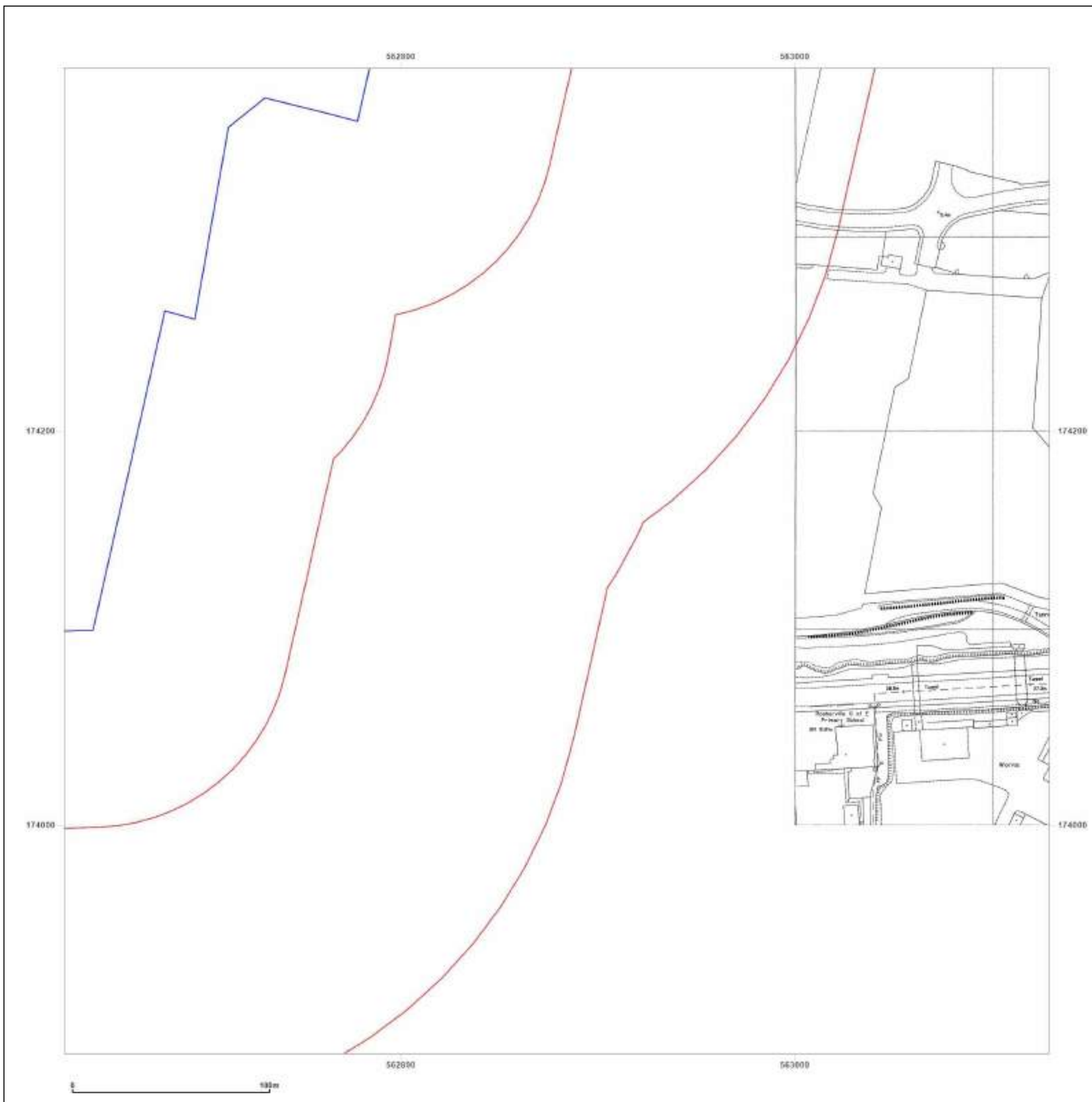


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_Landline_1_1
Grid Ref: 562479, 174234

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_Landline_1_2
Grid Ref: 562479, 174534

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_Landline_2_1
Grid Ref: 562779, 174234

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

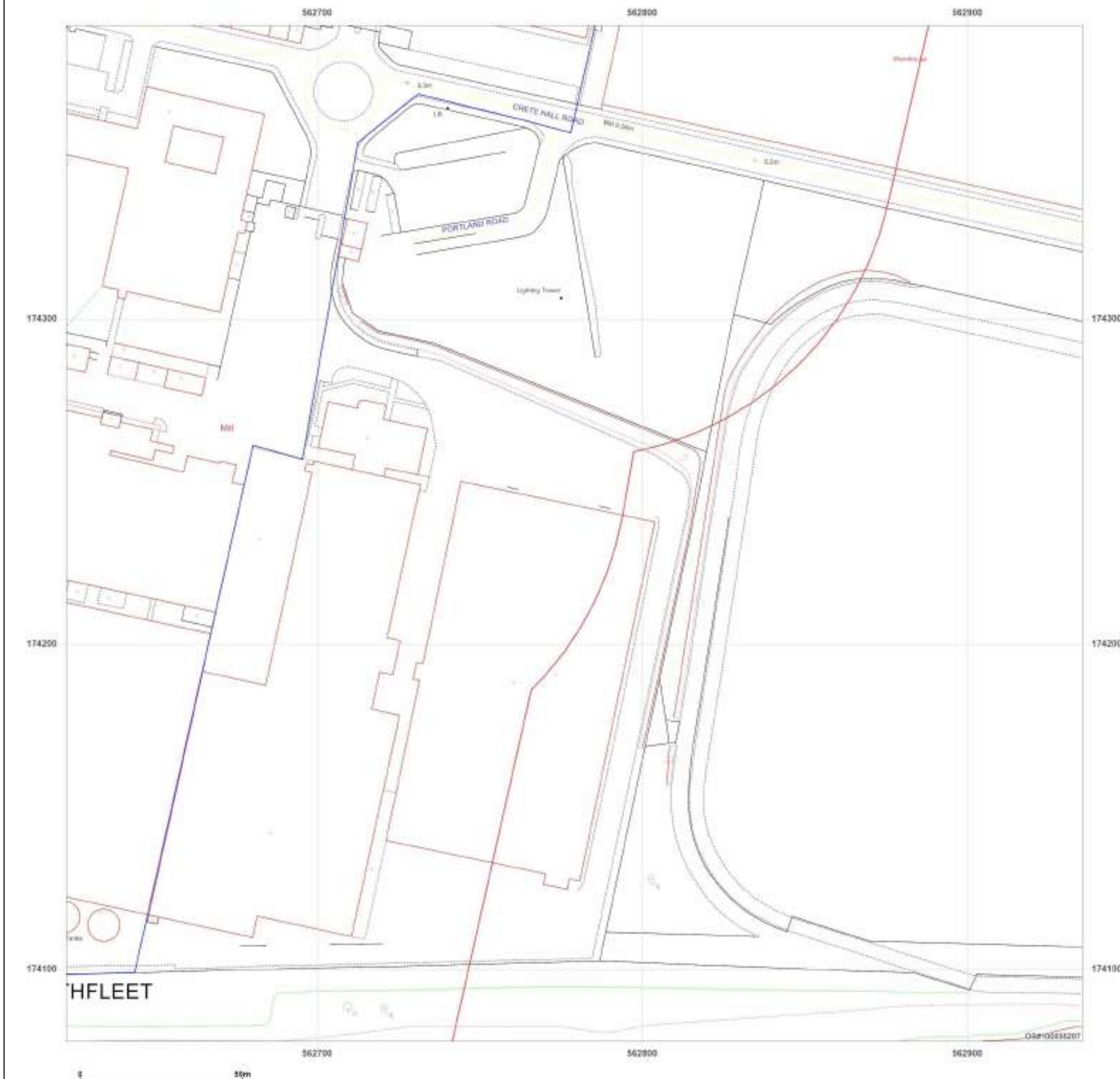


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1:2,500 Scale Grid Index



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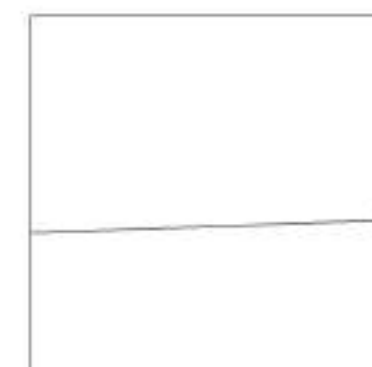
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Report Ref: GS-XIR-LDG-629-O6R_LS_1_2
Grid Ref: 562628, 174696

Map Name: County Series

Map date: 1865

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1865
Revised 1865
Edition N/A
Copyright N/A
Levelled N/A

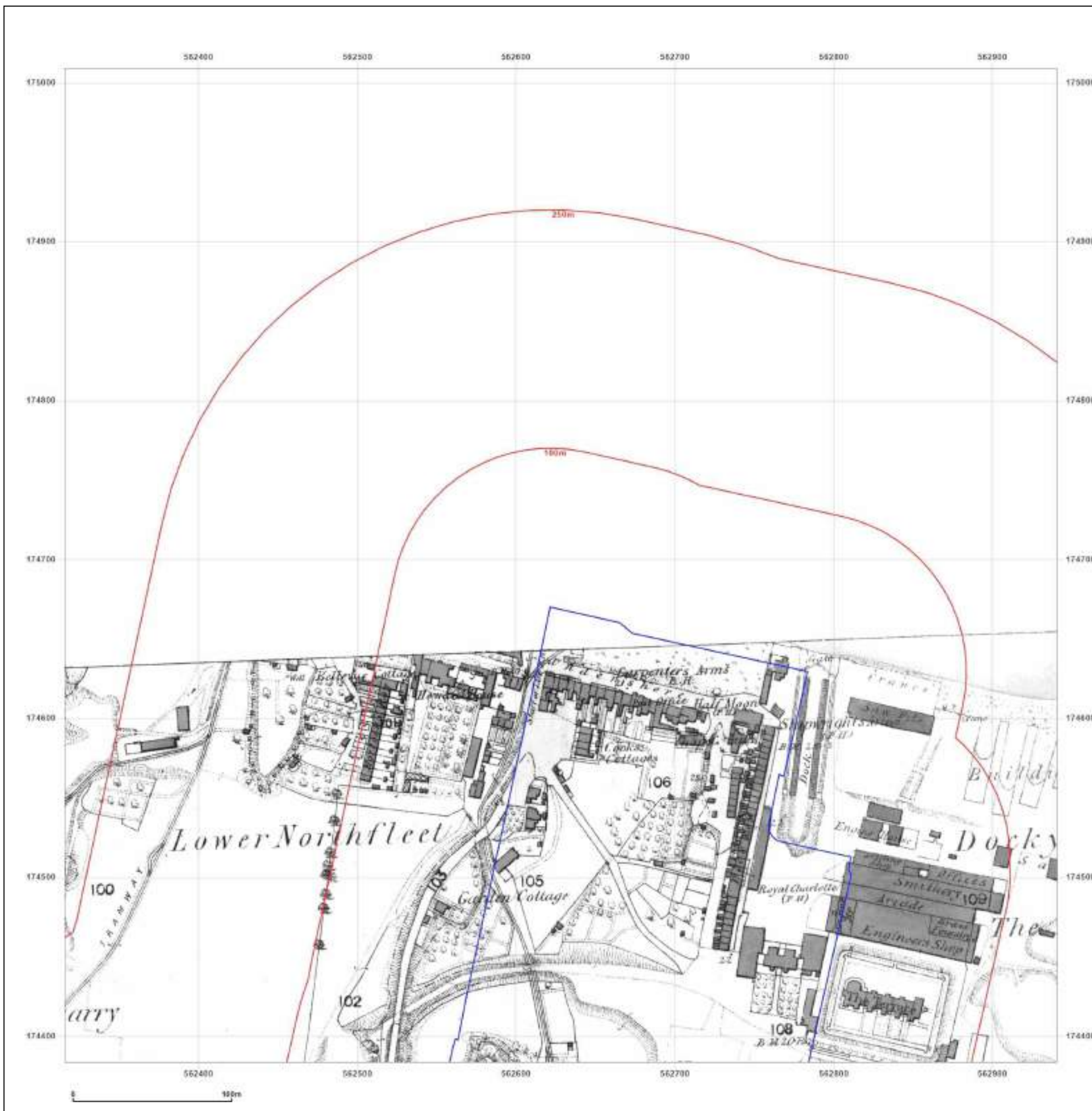


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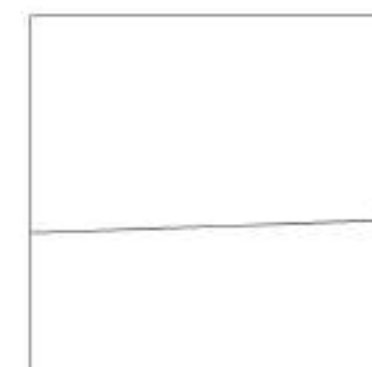
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Report Ref: GS-XIR-LDG-629-O6R_LS_1_2
Grid Ref: 562628, 174696

Map Name: County Series

Map date: 1866

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1866
Revised 1866
Edition N/A
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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_2
Grid Ref: 562628, 174696

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

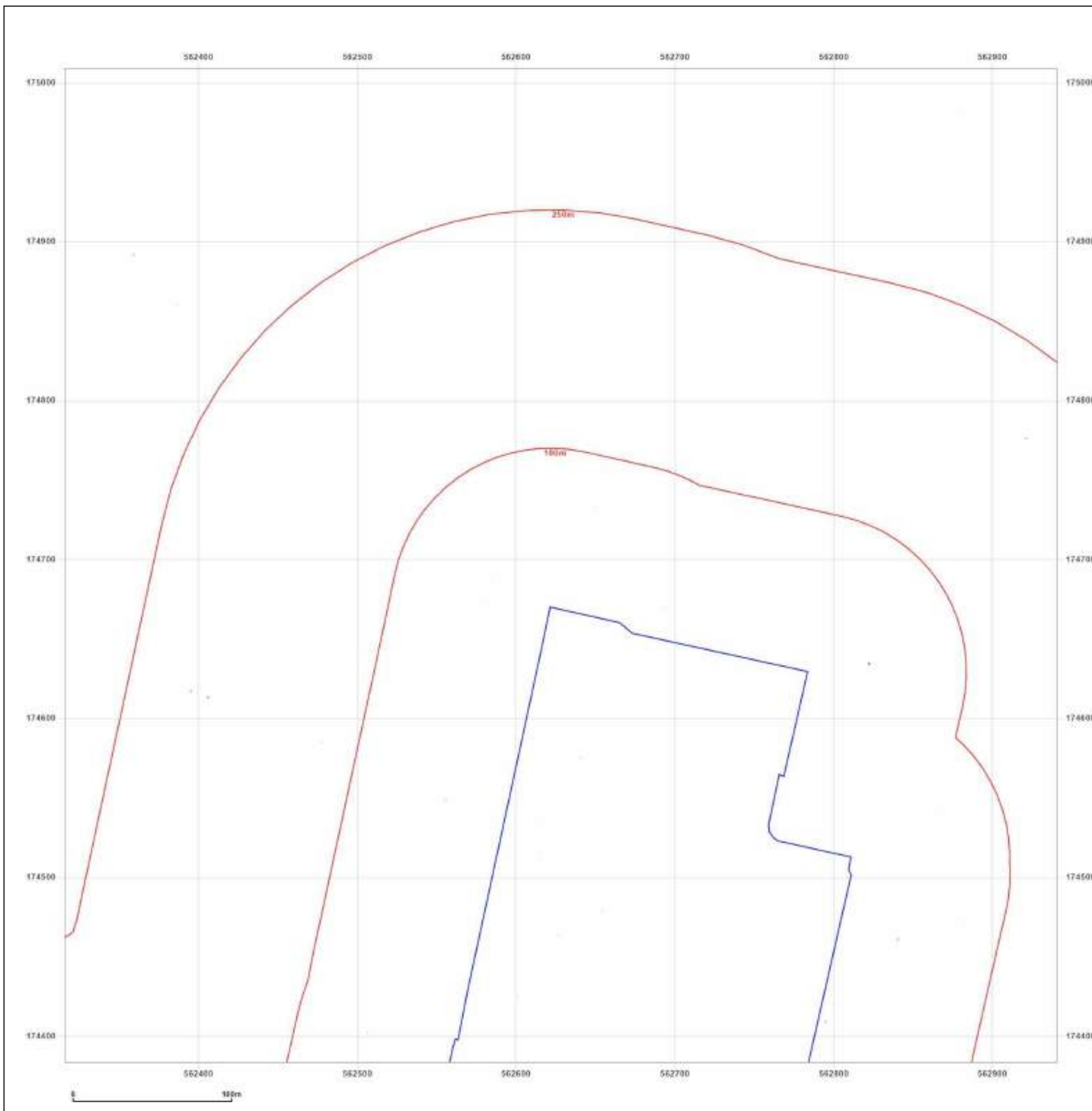


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_2
Grid Ref: 562628, 174696

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

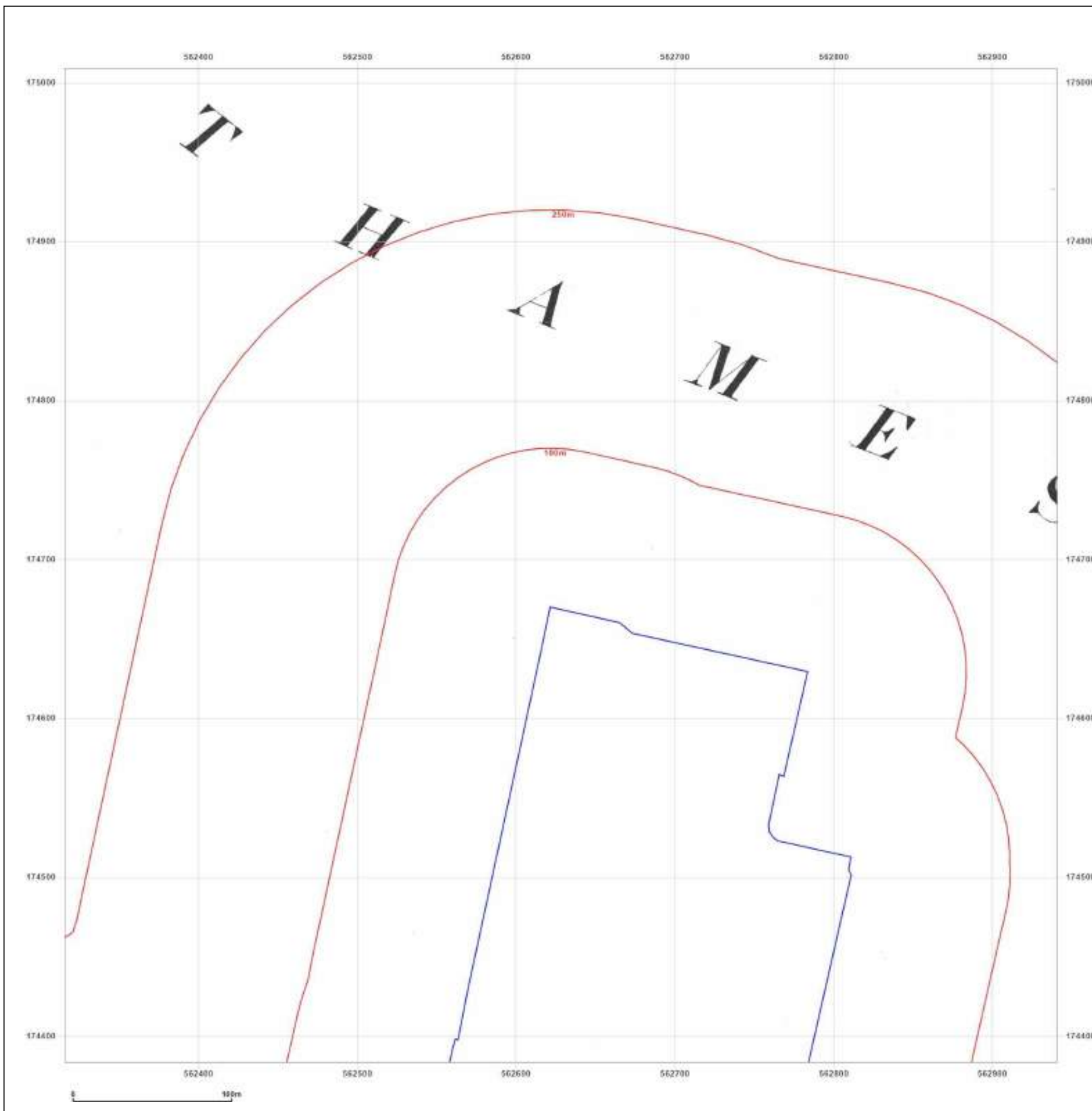


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_2
Grid Ref: 562628, 174696

Map Name: County Series

Map date: 1897-1898

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1898
Revised 1898
Edition N/A
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Levelled N/A

Surveyed 1897
Revised 1897
Edition N/A
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Levelled N/A

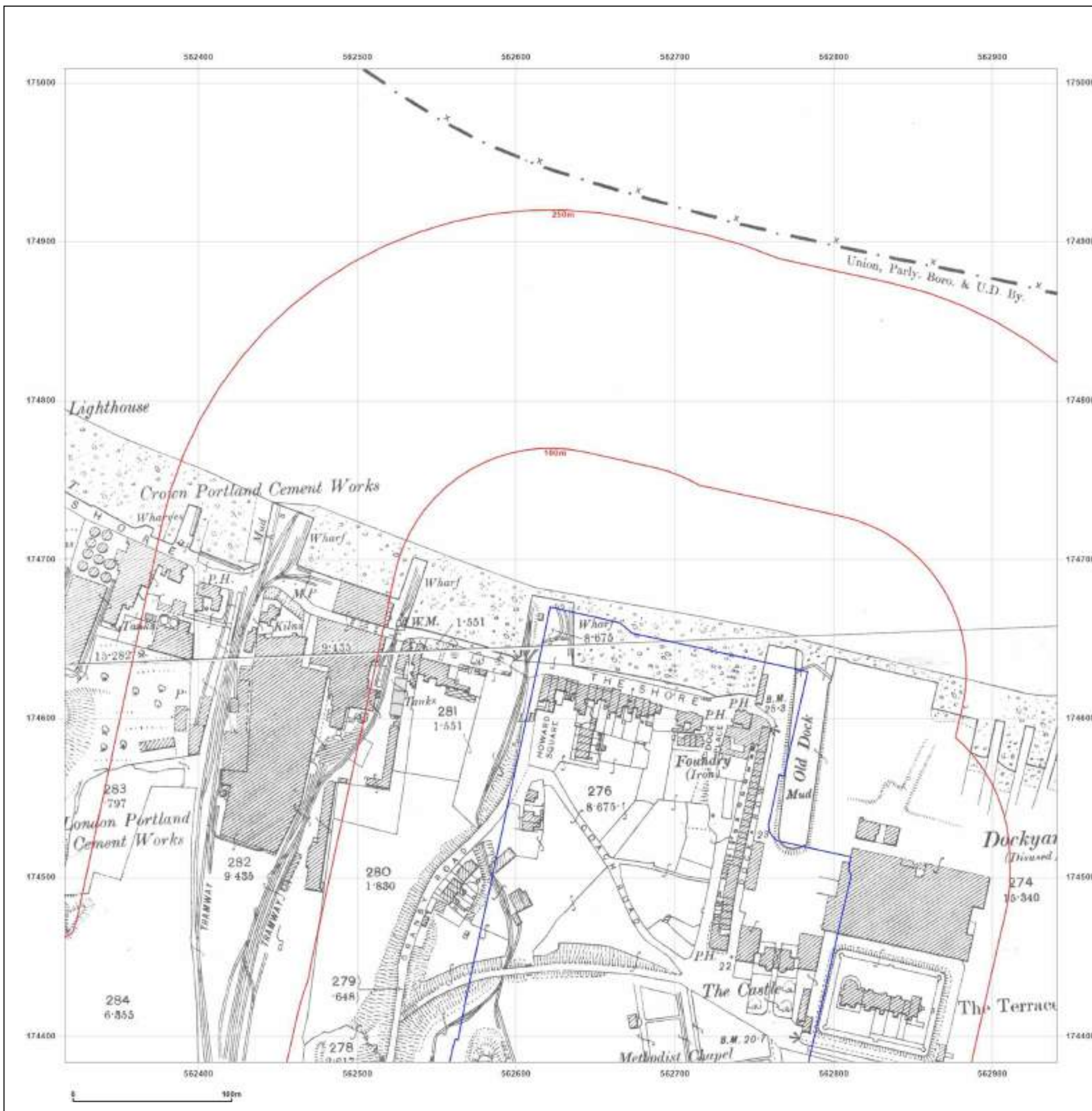


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_2
Grid Ref: 562628, 174696

Map Name: County Series

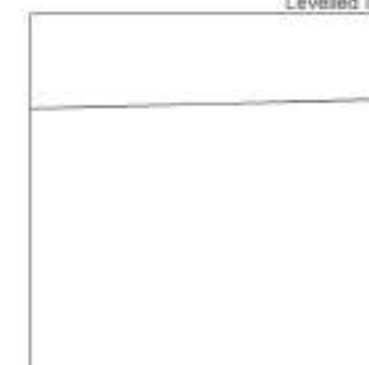
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Surveyed 1920
Revised 1920
Edition N/A
Copyright N/A
Levelled N/A

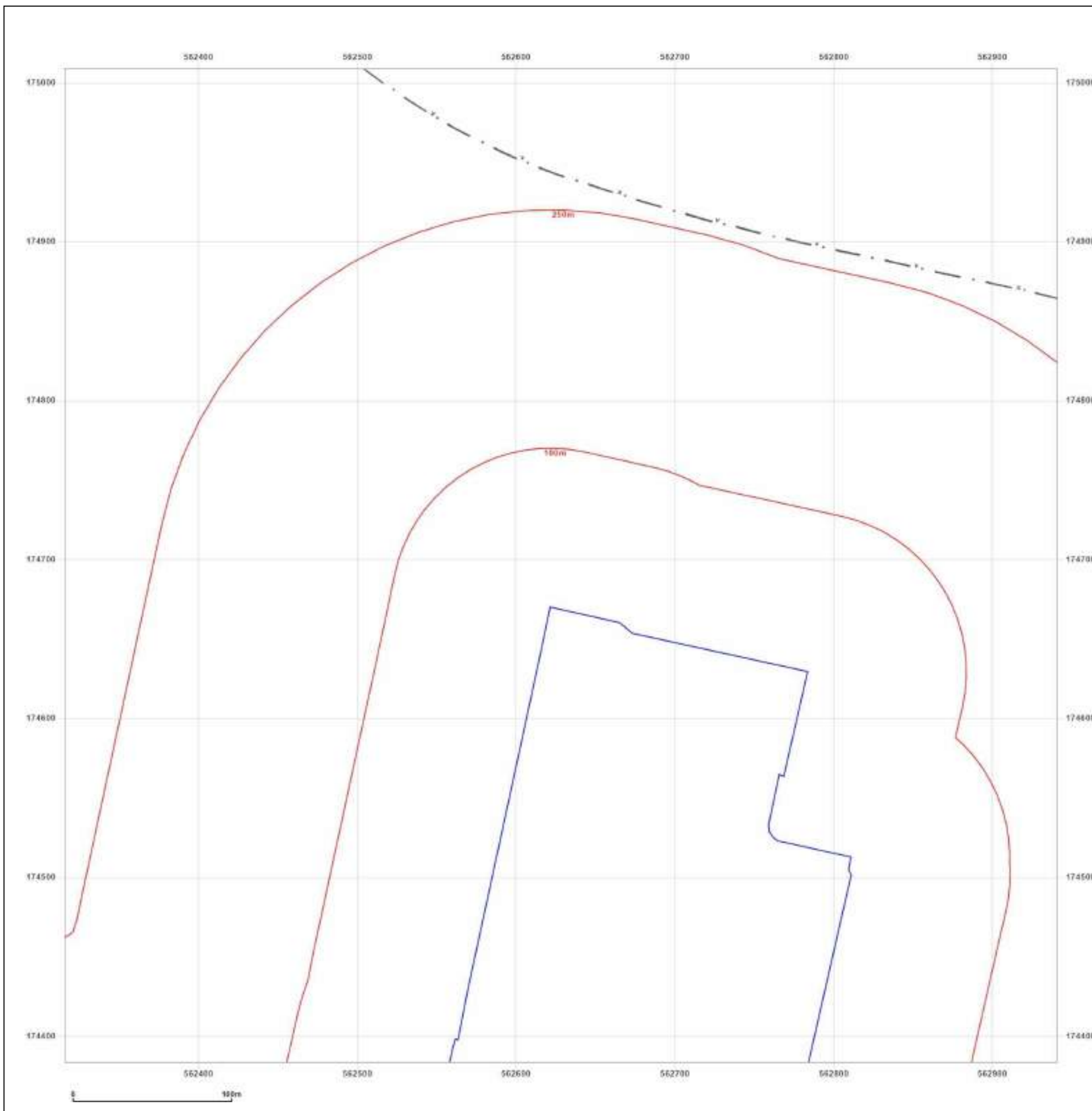


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_2
Grid Ref: 562628, 174696

Map Name: County Series

Map date: 1932-1933

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
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Edition N/A
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Surveyed 1933
Revised 1933
Edition N/A
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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_2
Grid Ref: 562628, 174696

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_2
Grid Ref: 562628, 174696

Map Name: National Grid

Map date: 1951-1954

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1951
Edition N/A
Copyright N/A
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Surveyed 1952
Revised 1952
Edition 1954
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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_1
Grid Ref: 562628, 174071

Map Name: County Series

Map date: 1865

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1865
Revised 1865
Edition N/A
Copyright N/A
Levelled N/A

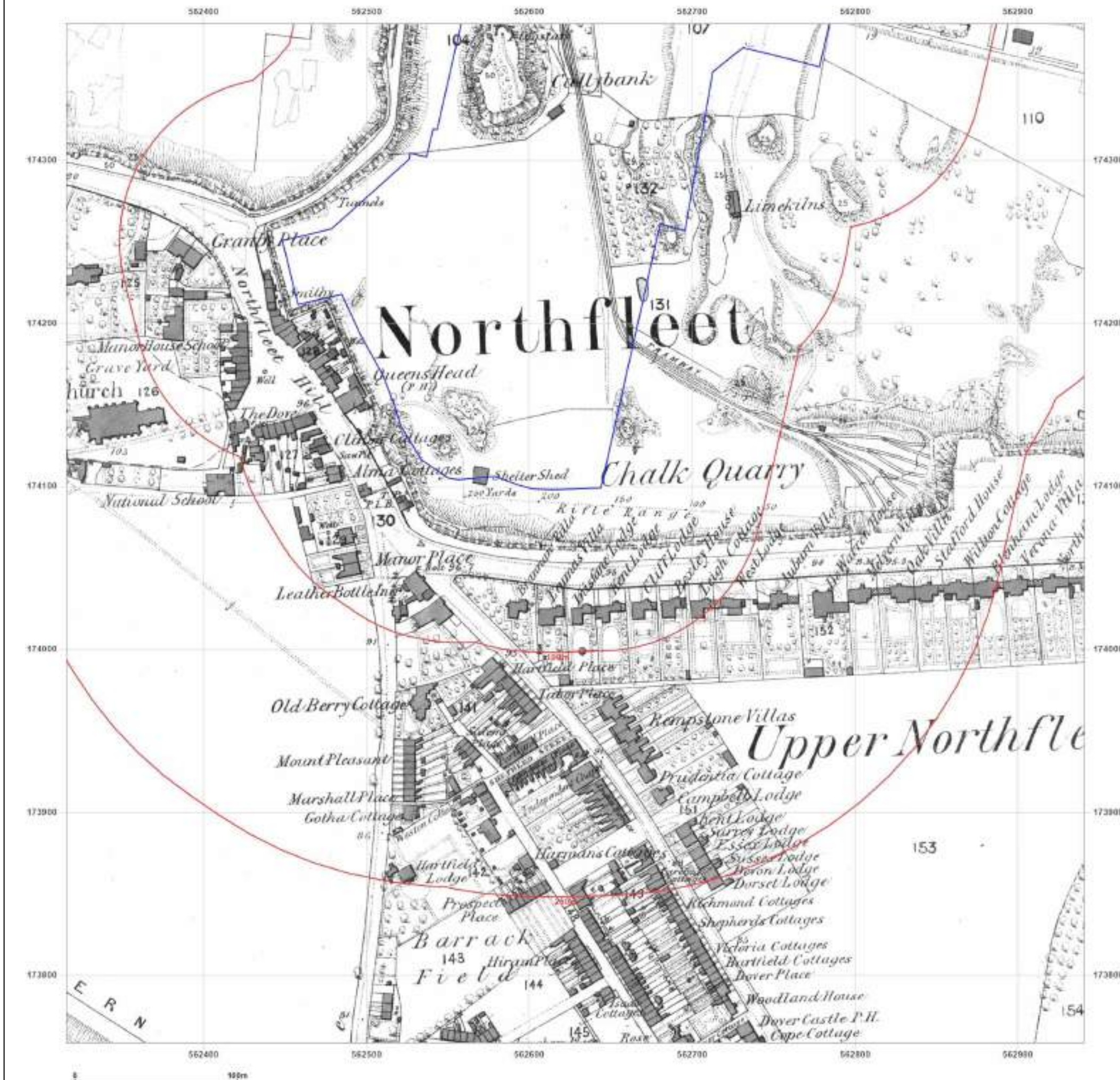


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_1
Grid Ref: 562628, 174071

Map Name: County Series

Map date: 1866

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1866
Revised 1866
Edition N/A
Copyright N/A
Levelled N/A

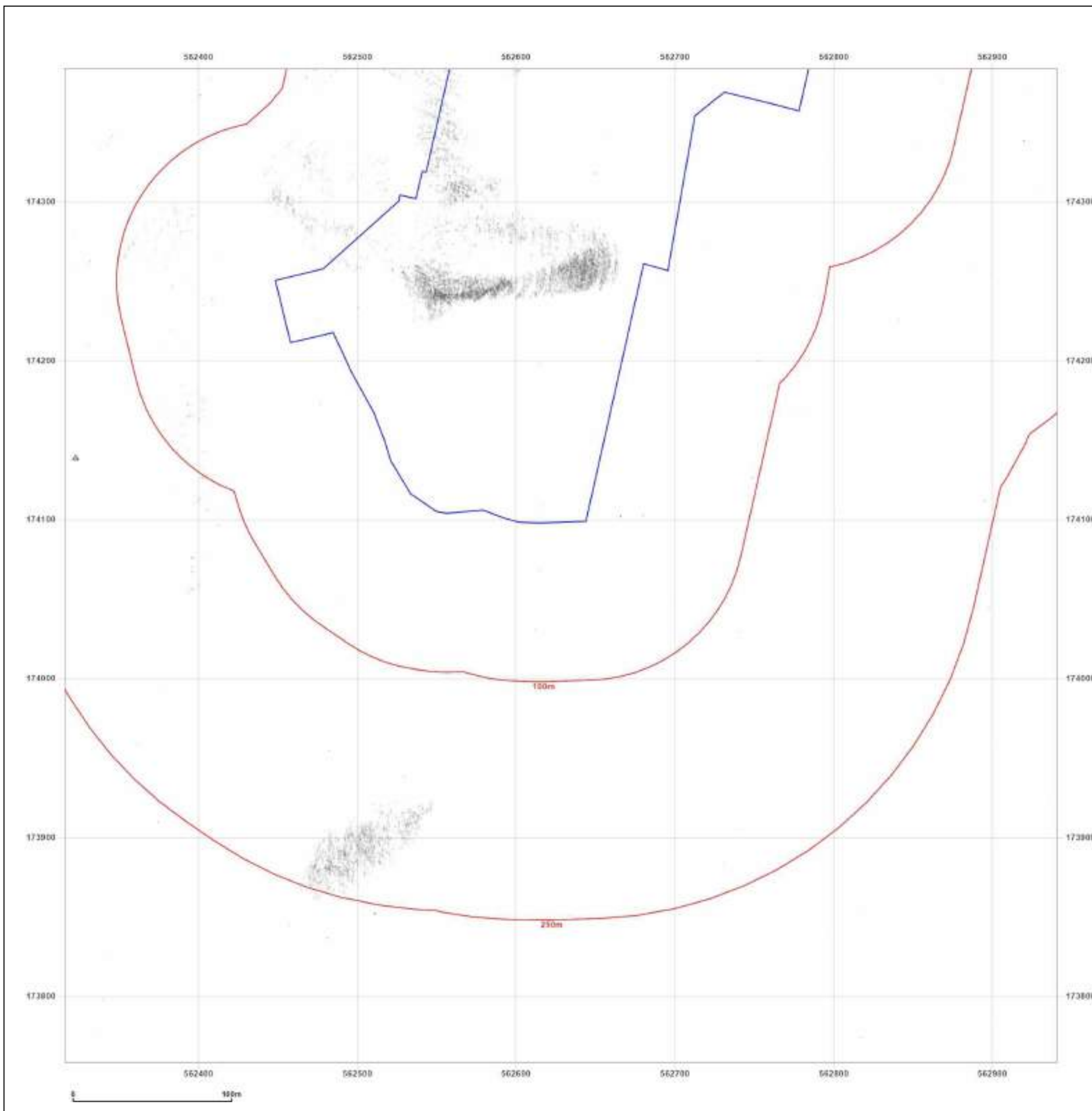


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_1
Grid Ref: 562628, 174071

Map Name: County Series

Map date: 1897

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1897
 Revised 1897
 Edition N/A
 Copyright N/A
 Levelled N/A

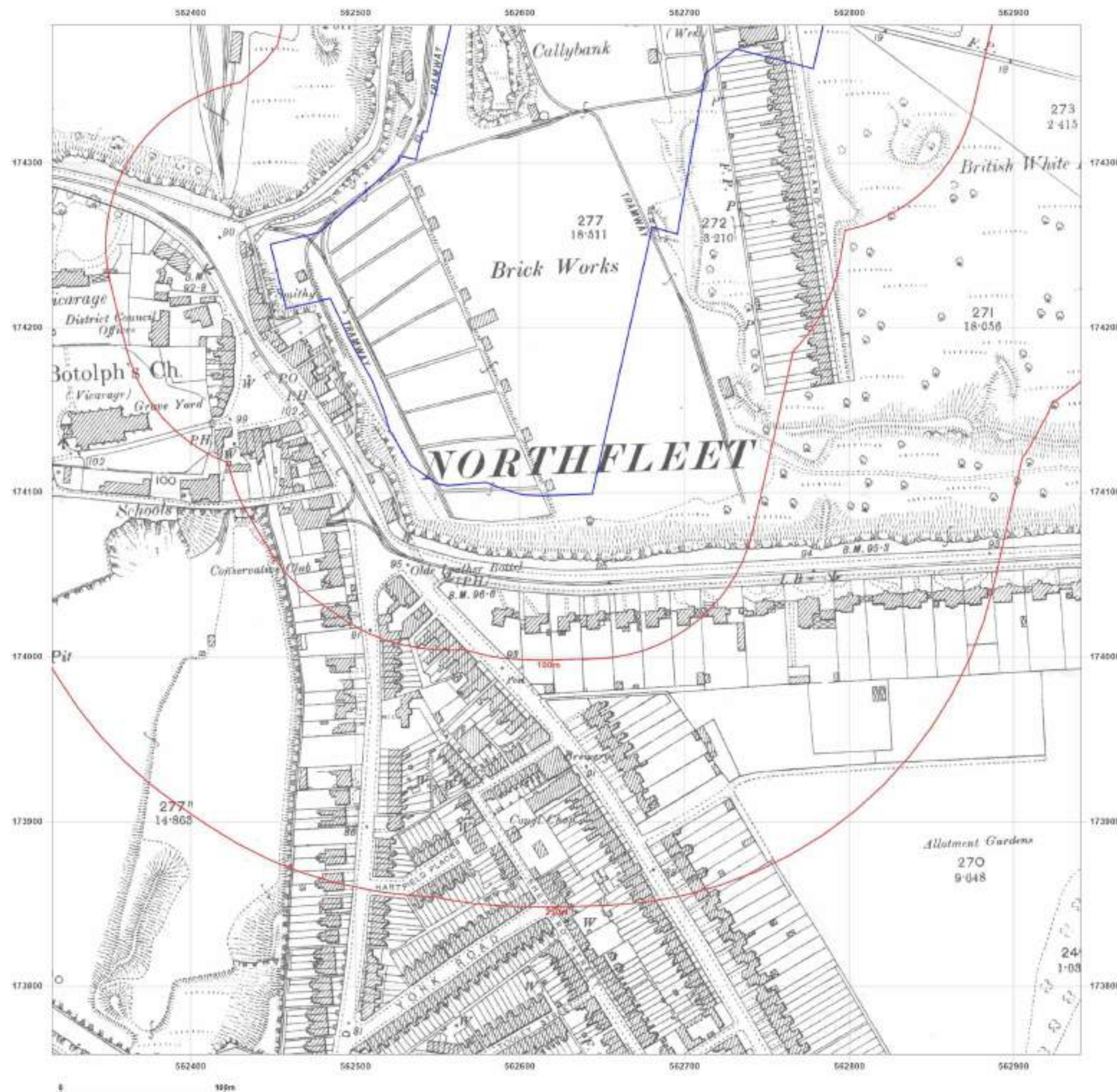


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_1
Grid Ref: 562628, 174071

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
 Revised 1909
 Edition N/A
 Copyright N/A
 Levelled N/A

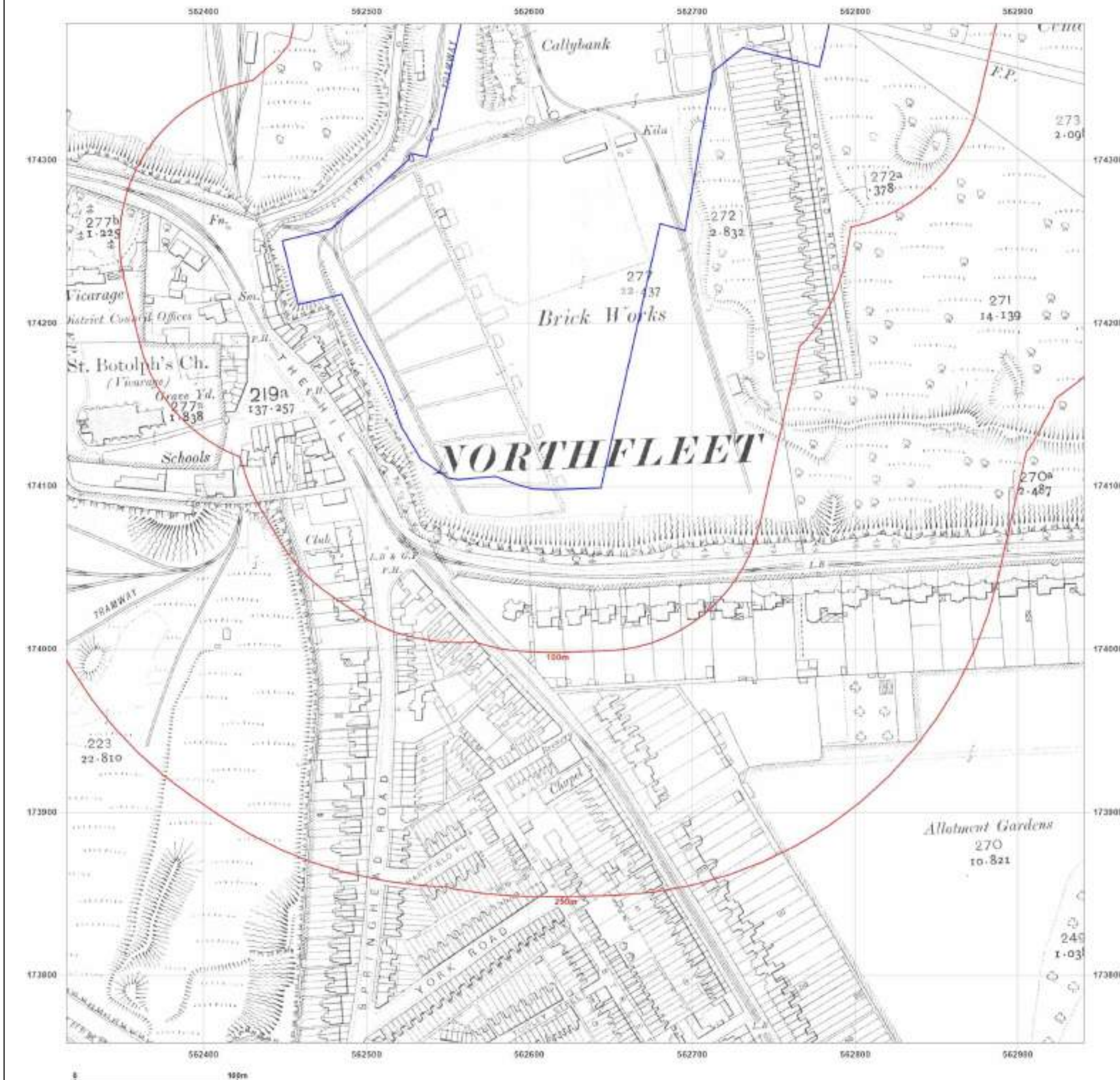


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_1
Grid Ref: 562628, 174071

Map Name: County Series

Map date: 1933

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1933
 Revised 1933
 Edition N/A
 Copyright N/A
 Levelled N/A

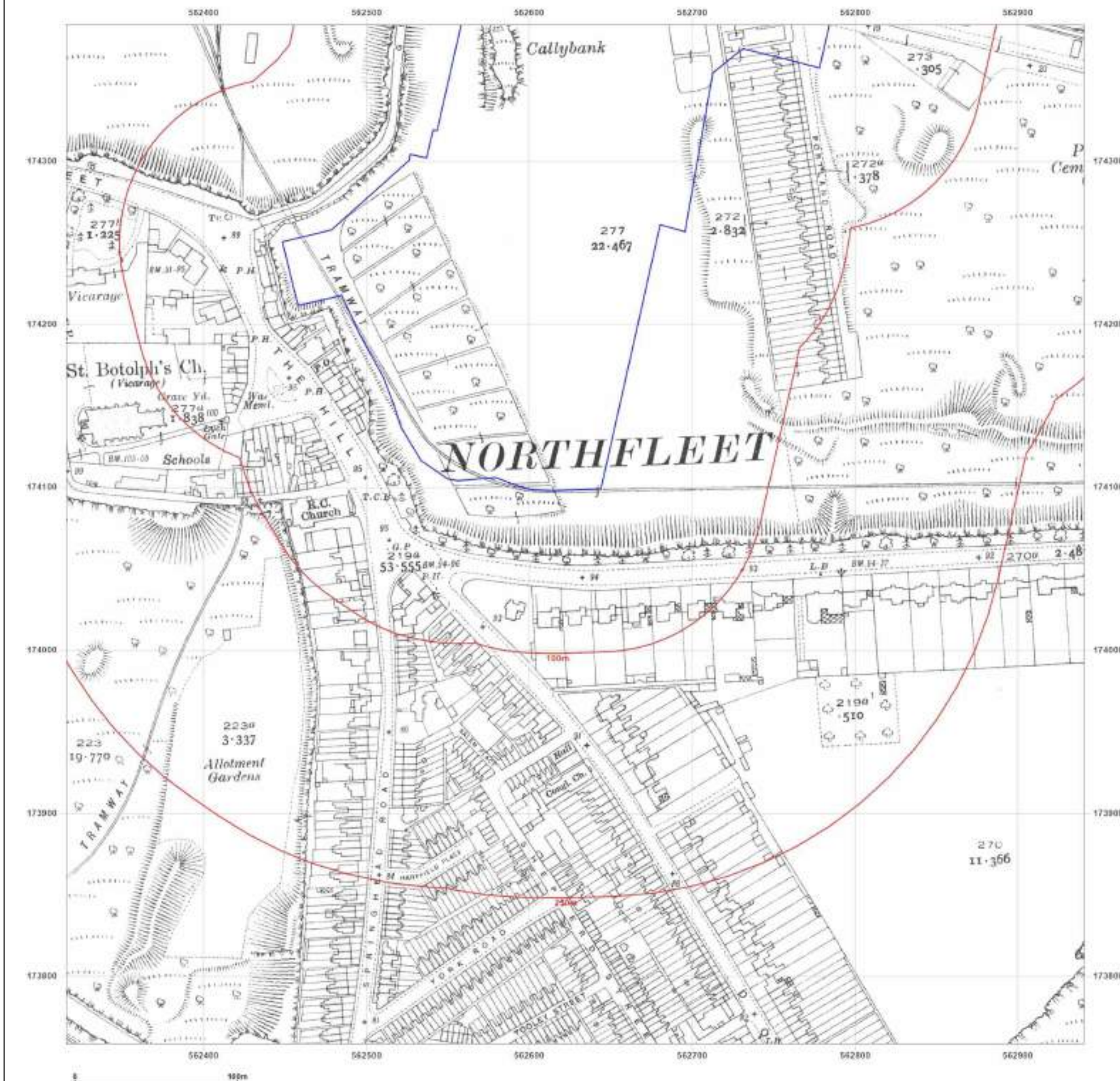


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_1
Grid Ref: 562628, 174071

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
 Revised 1939
 Edition N/A
 Copyright N/A
 Levelled N/A

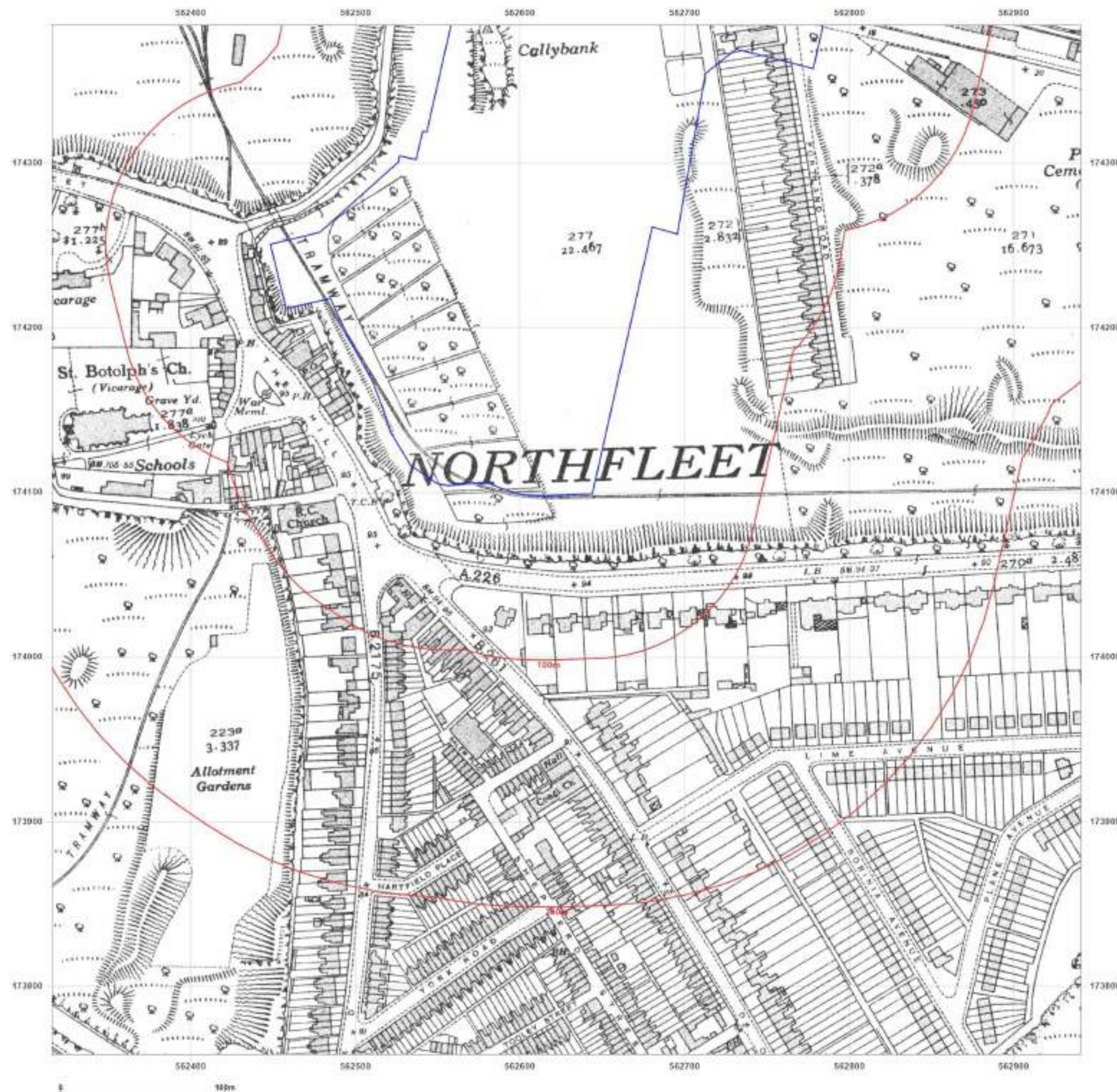


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R_LS_1_1
Grid Ref: 562628, 174071

Map Name: National Grid

Map date: 1954

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
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Edition 1954
Copyright N/A
Levelled 1952

Surveyed 1952
Revised 1952
Edition 1954
Copyright N/A
Levelled 1952



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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

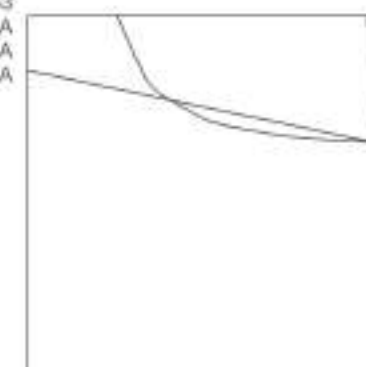
Map date: 1863

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1863
Revised 1863
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1863
Revised 1863
Edition N/A
Copyright N/A
Levelled N/A

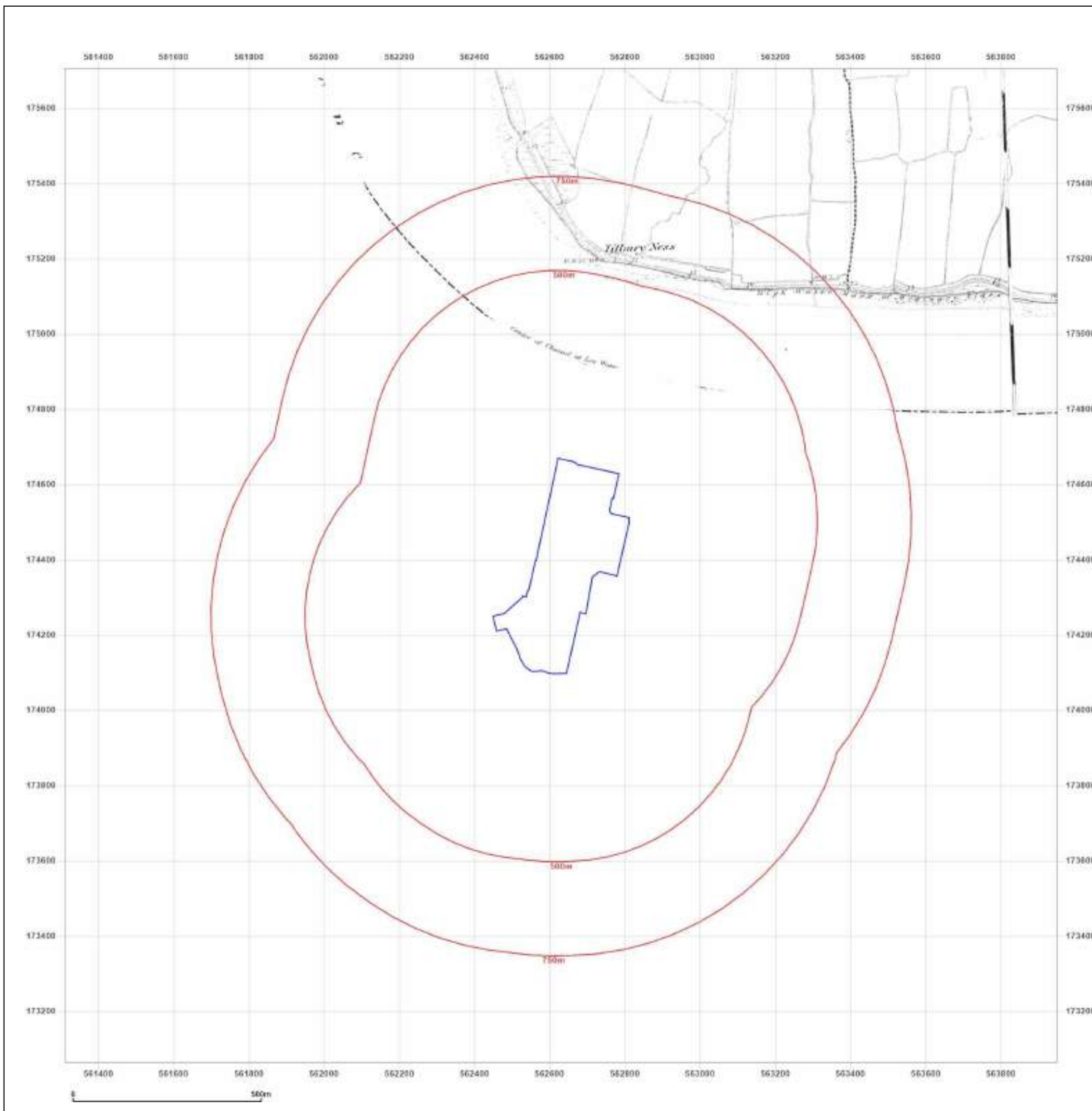


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

Map date: 1865

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1865
Revised 1885
Edition N/A
Copyright N/A
Levelled N/A

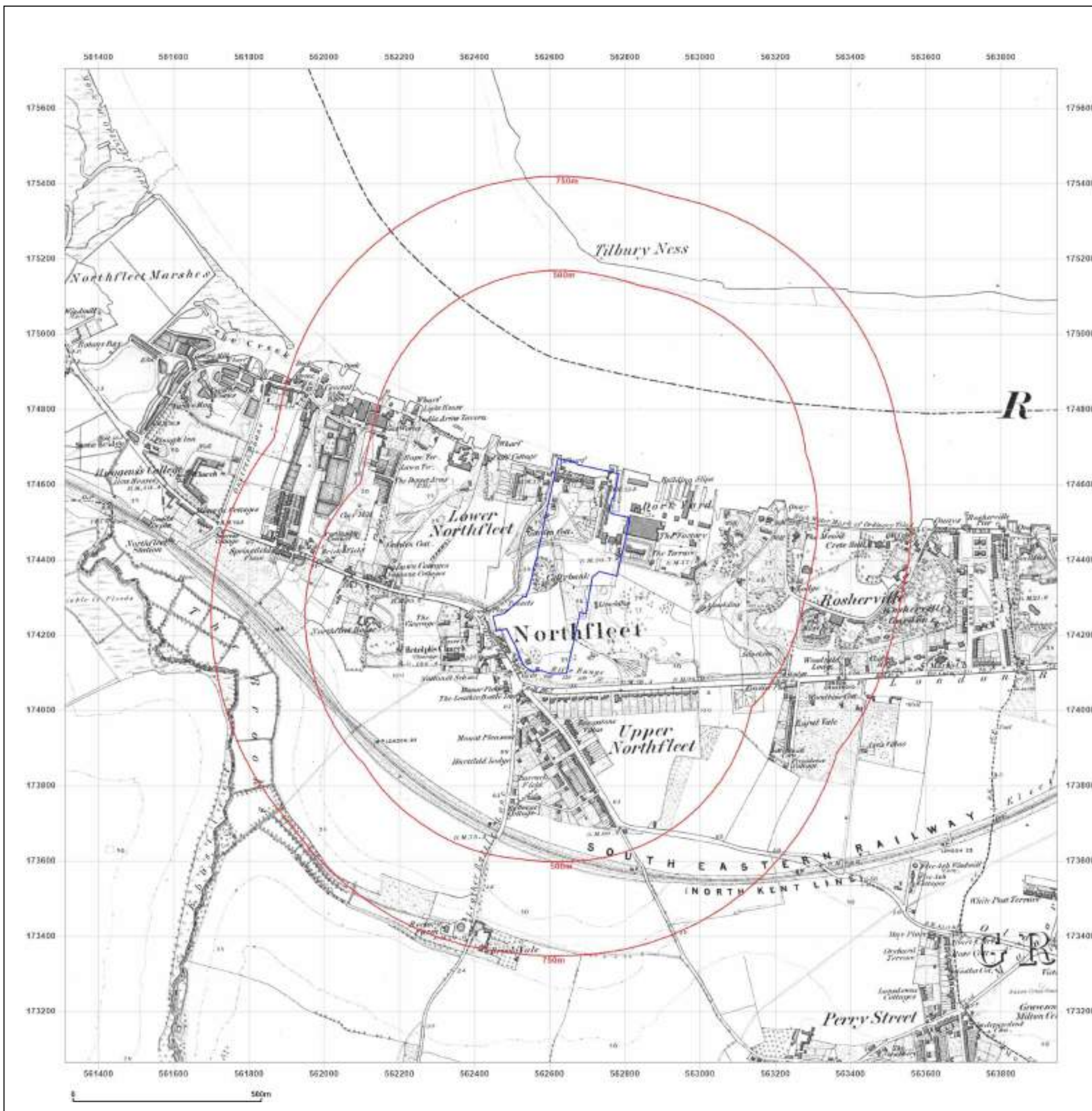


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

Map date: 1895

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1864
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

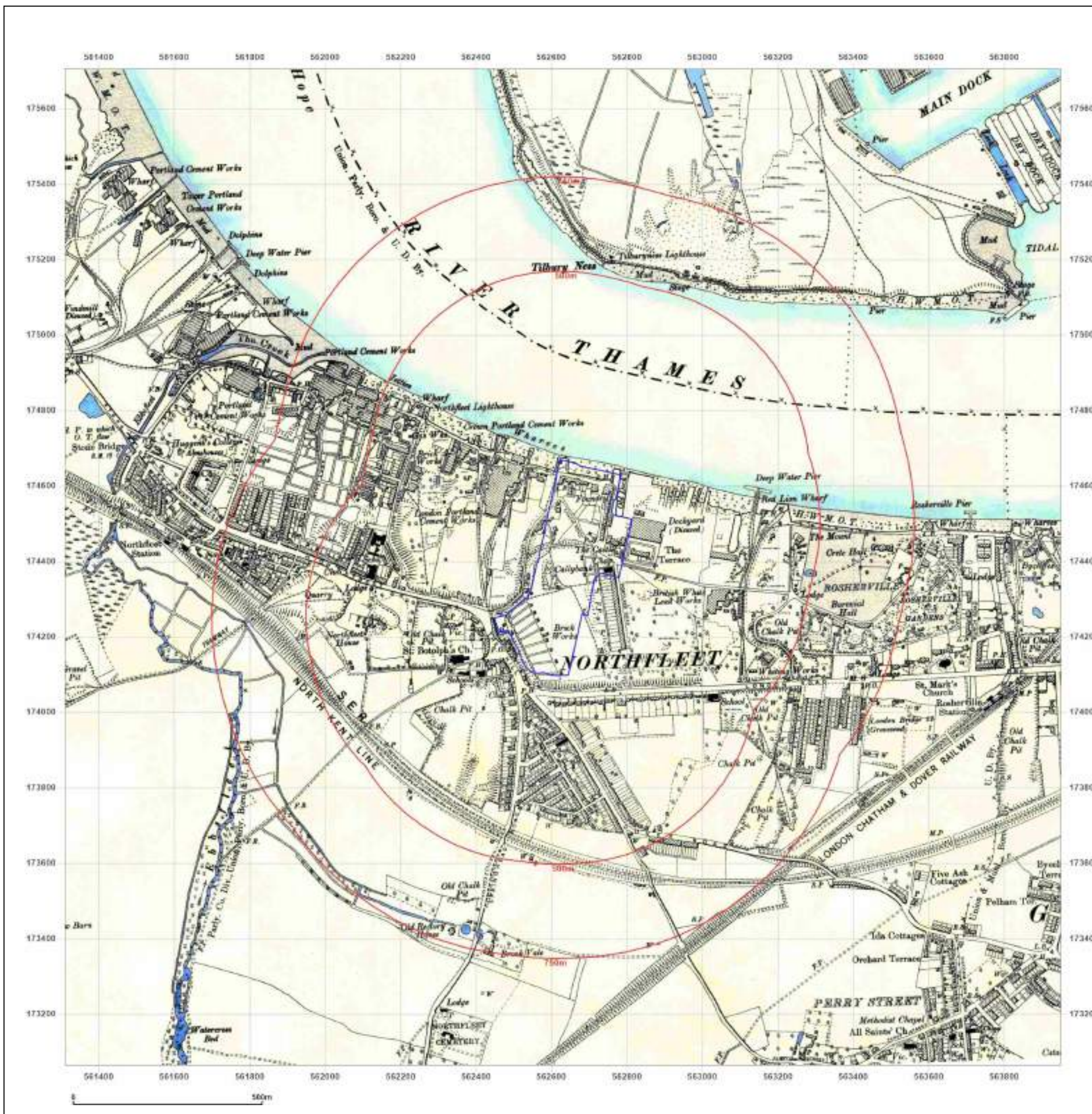


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

Map date: 1895

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1864
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1868
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

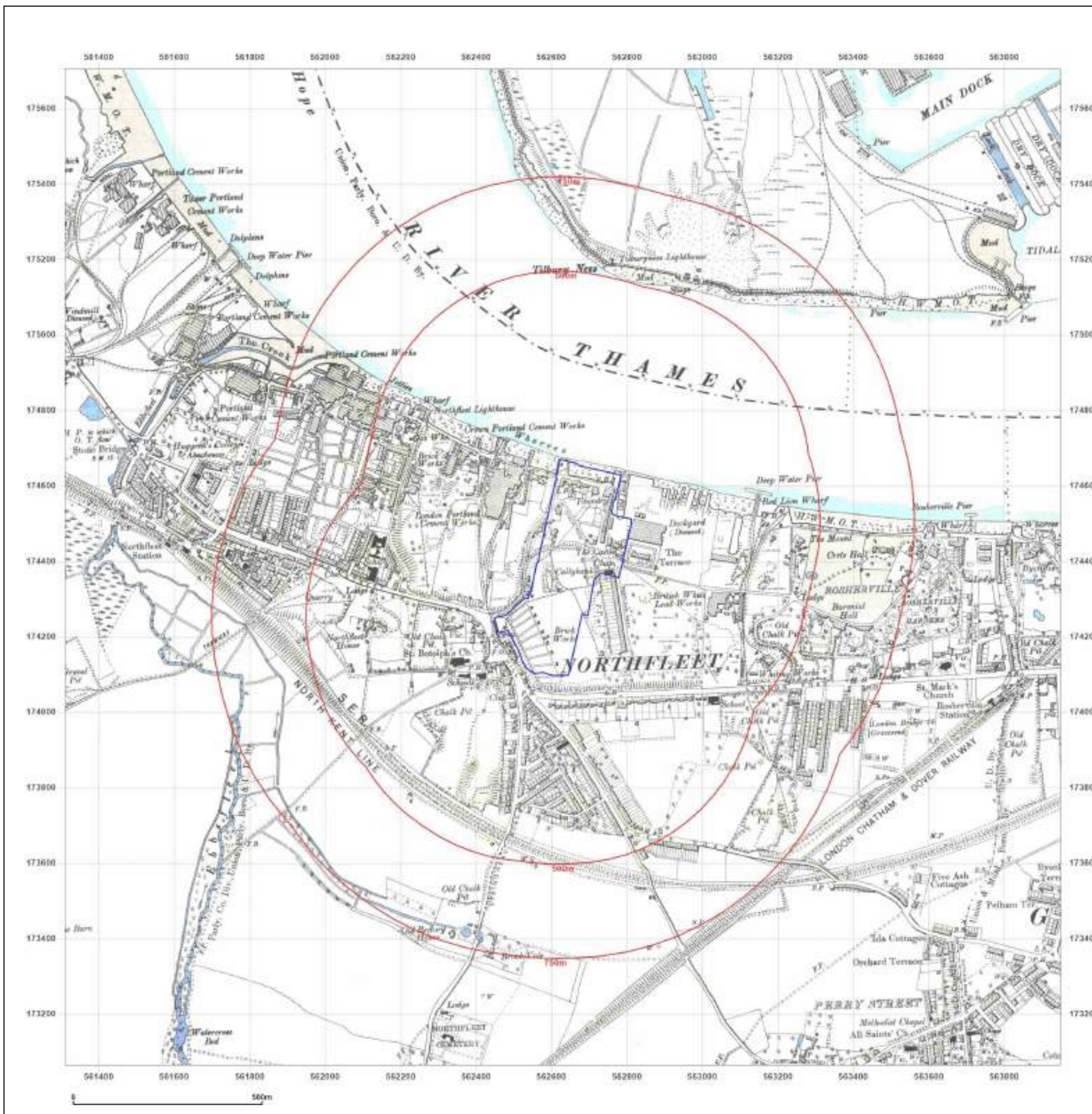


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

Map date: 1895-1898

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1866
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1862
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

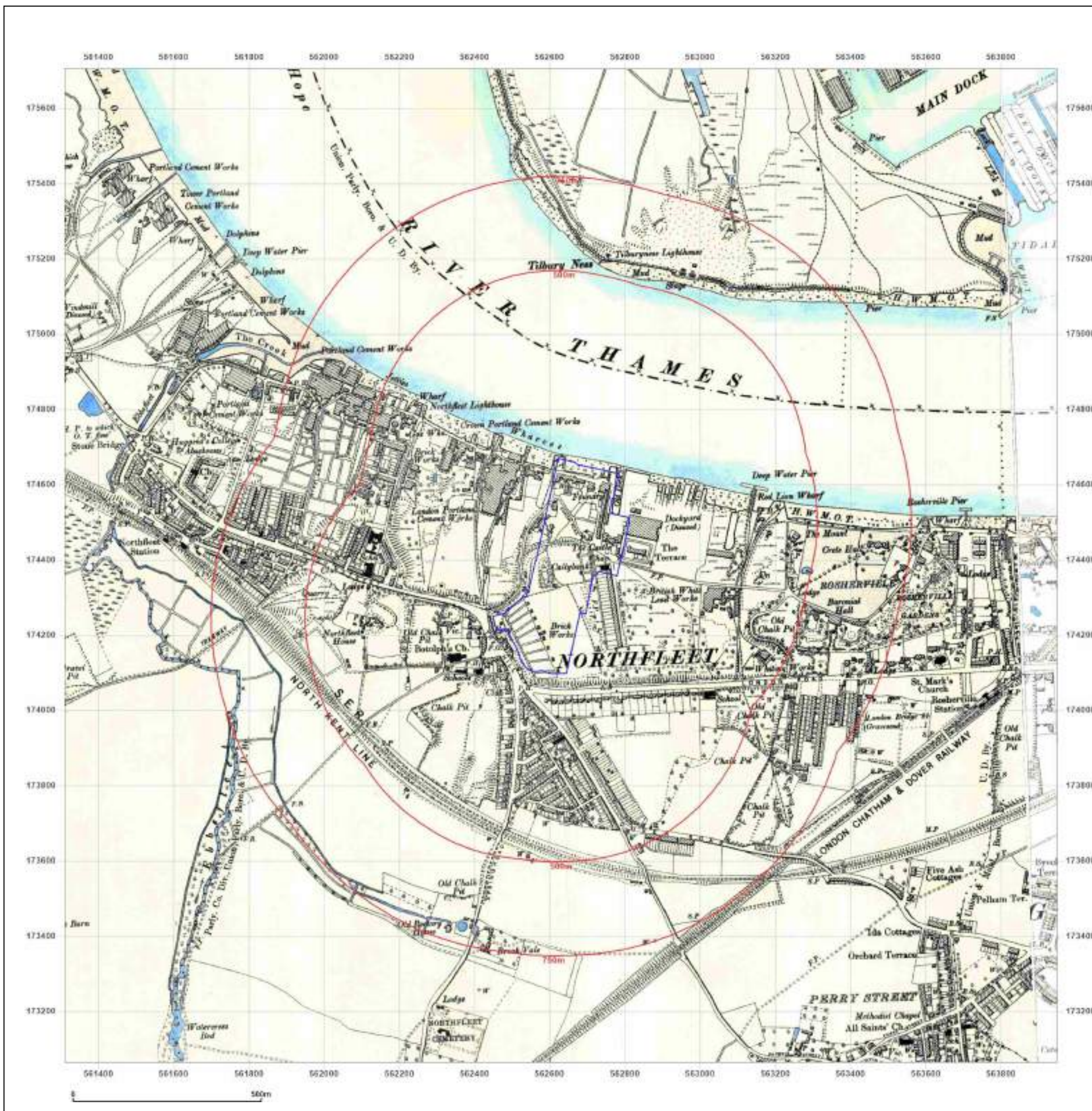


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

Map date: 1895-1899

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1864
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1866
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

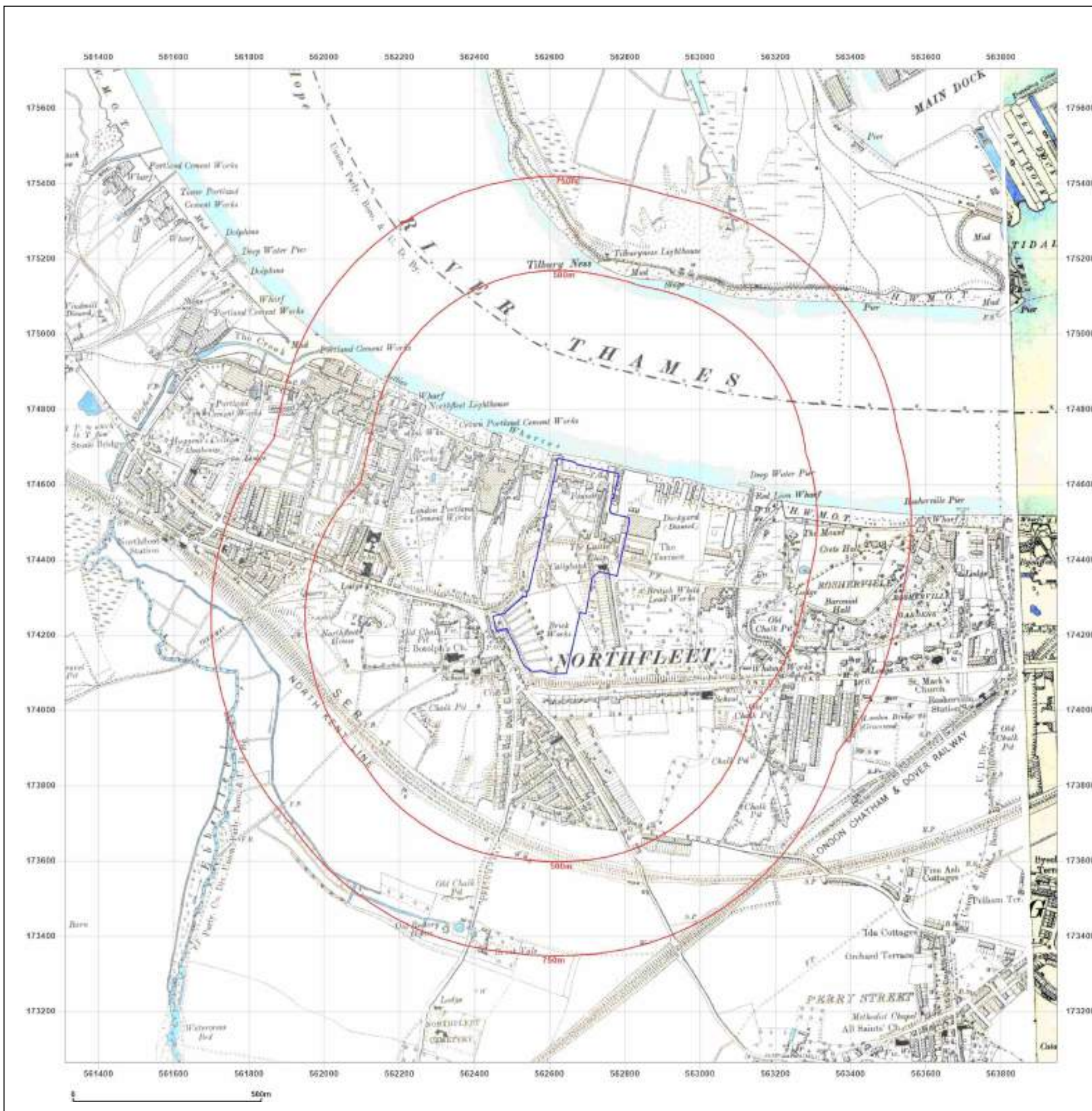


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

Map date: 1907

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1864
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1864
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

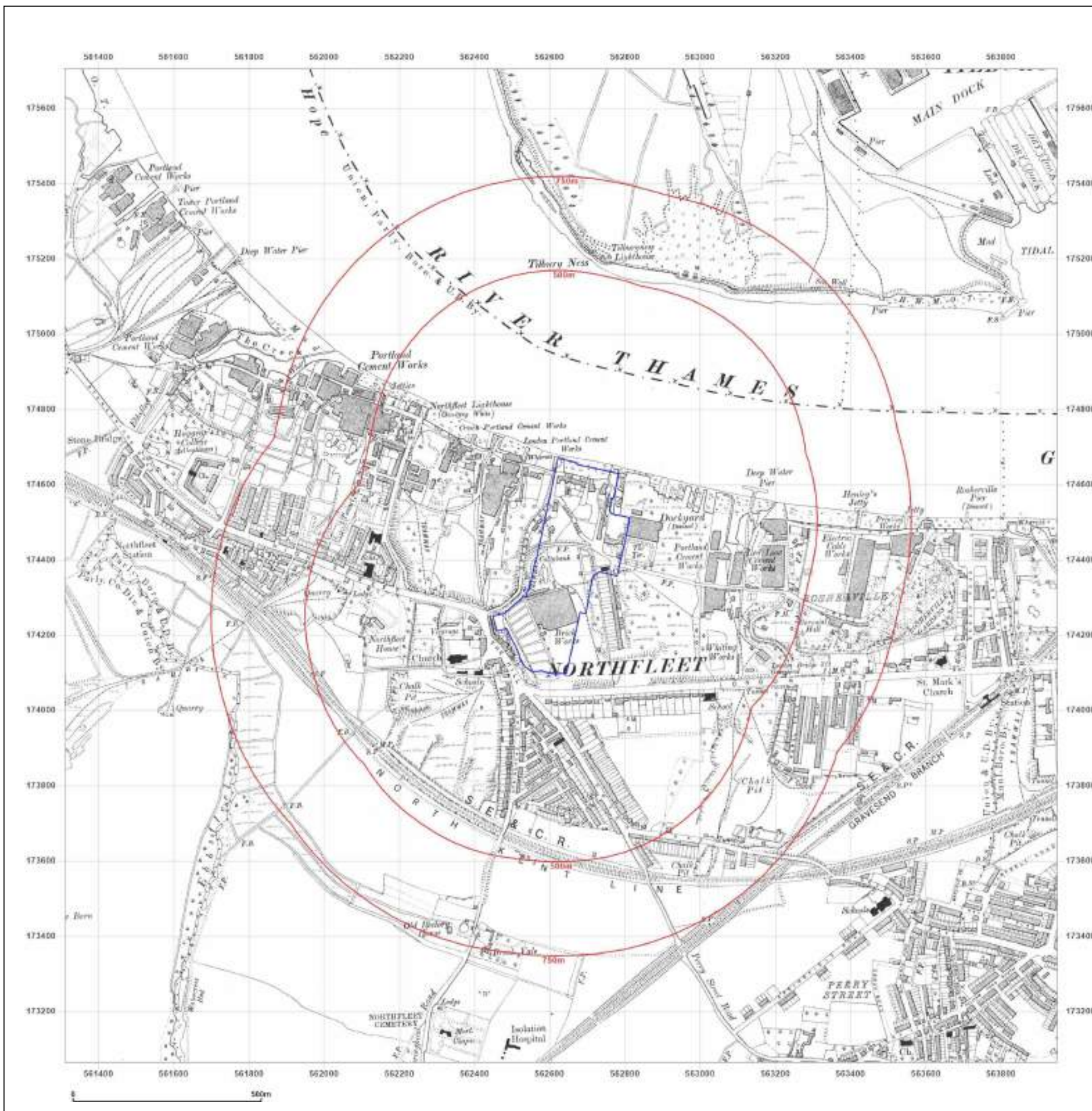


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

Map date: 1923

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1864
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A

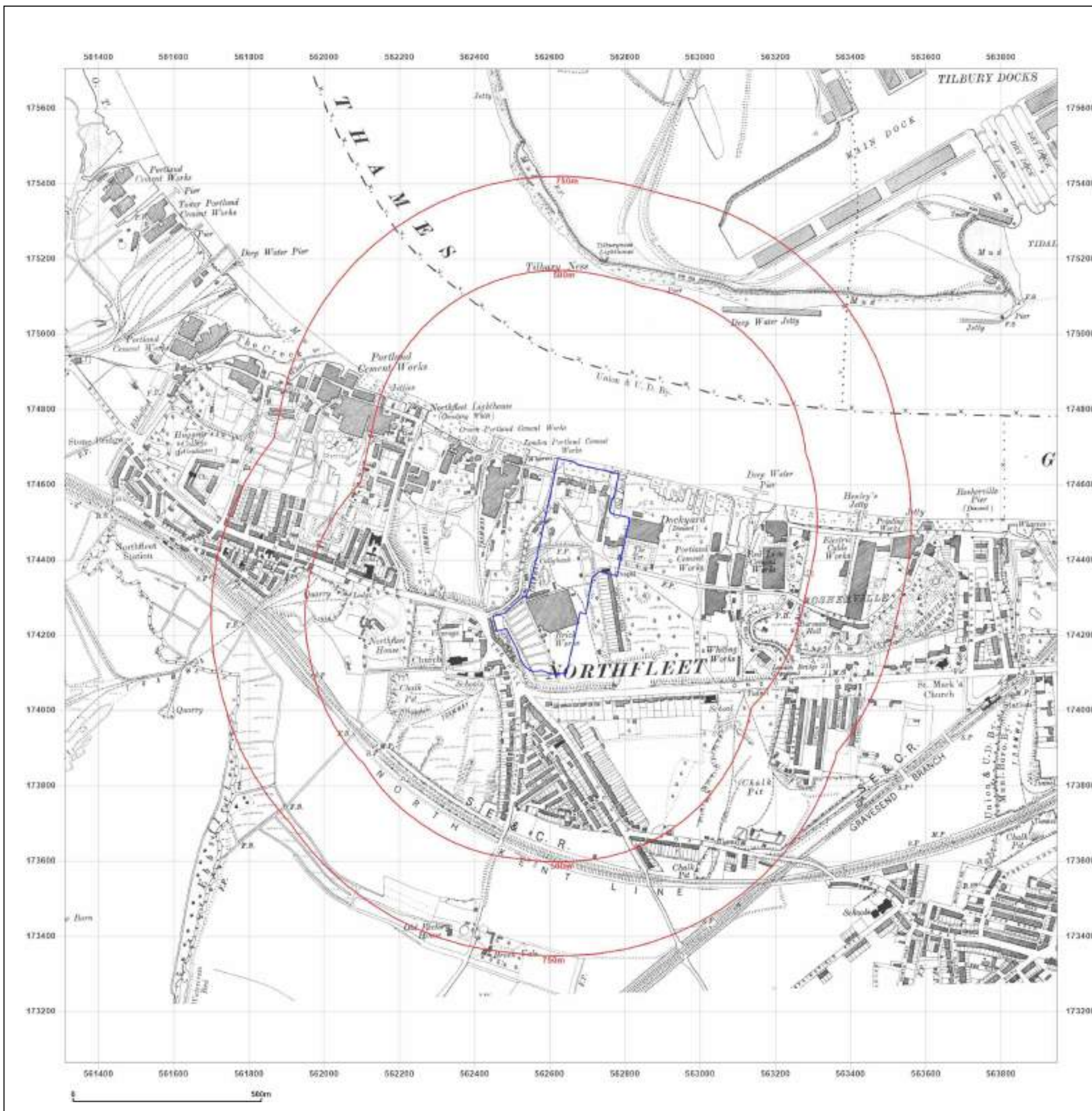


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

Map date: 1931-1932

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1864
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1864
Revised 1931
Edition N/A
Copyright N/A
Levelled N/A

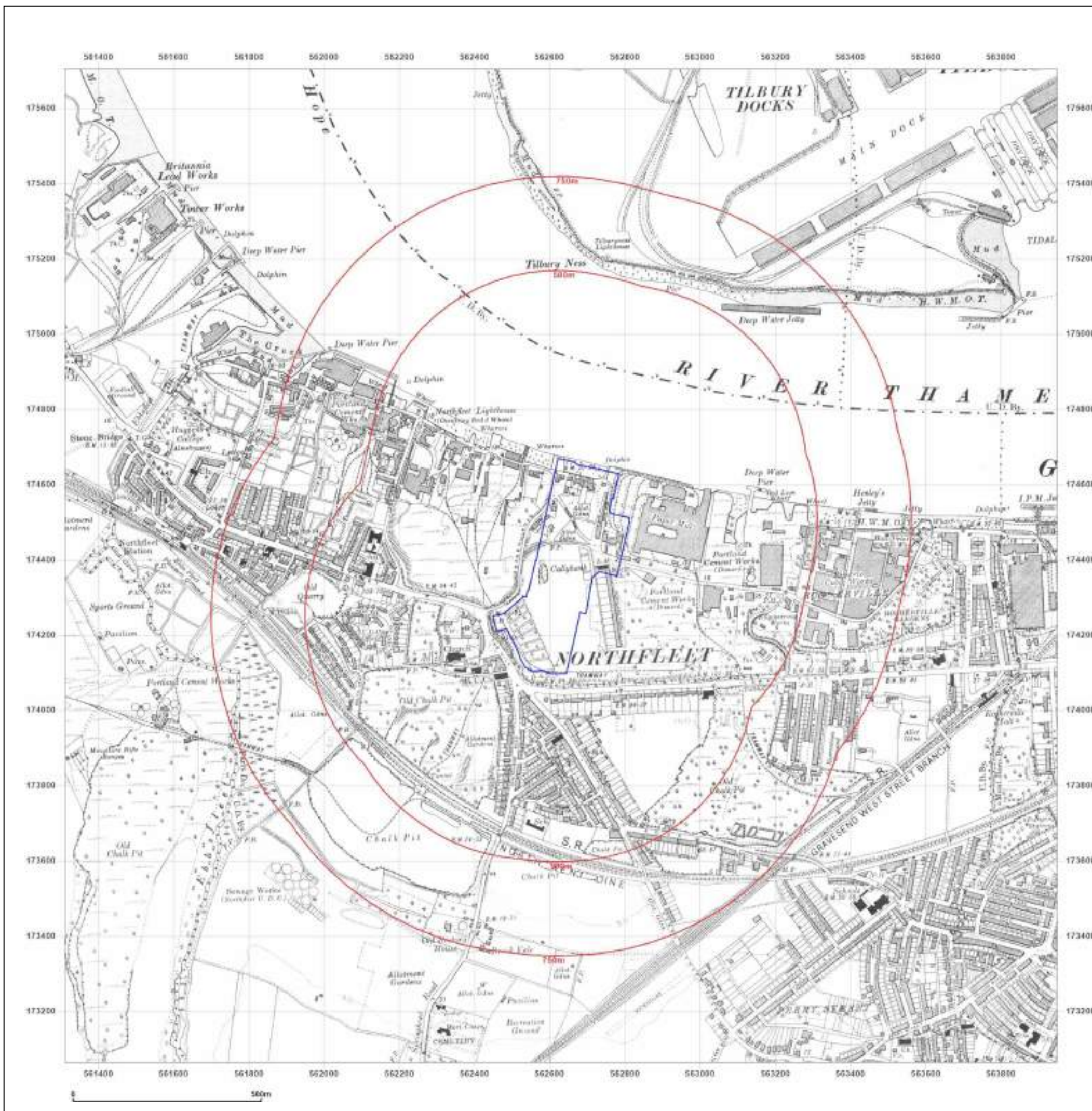


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1864
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

Surveyed 1864
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

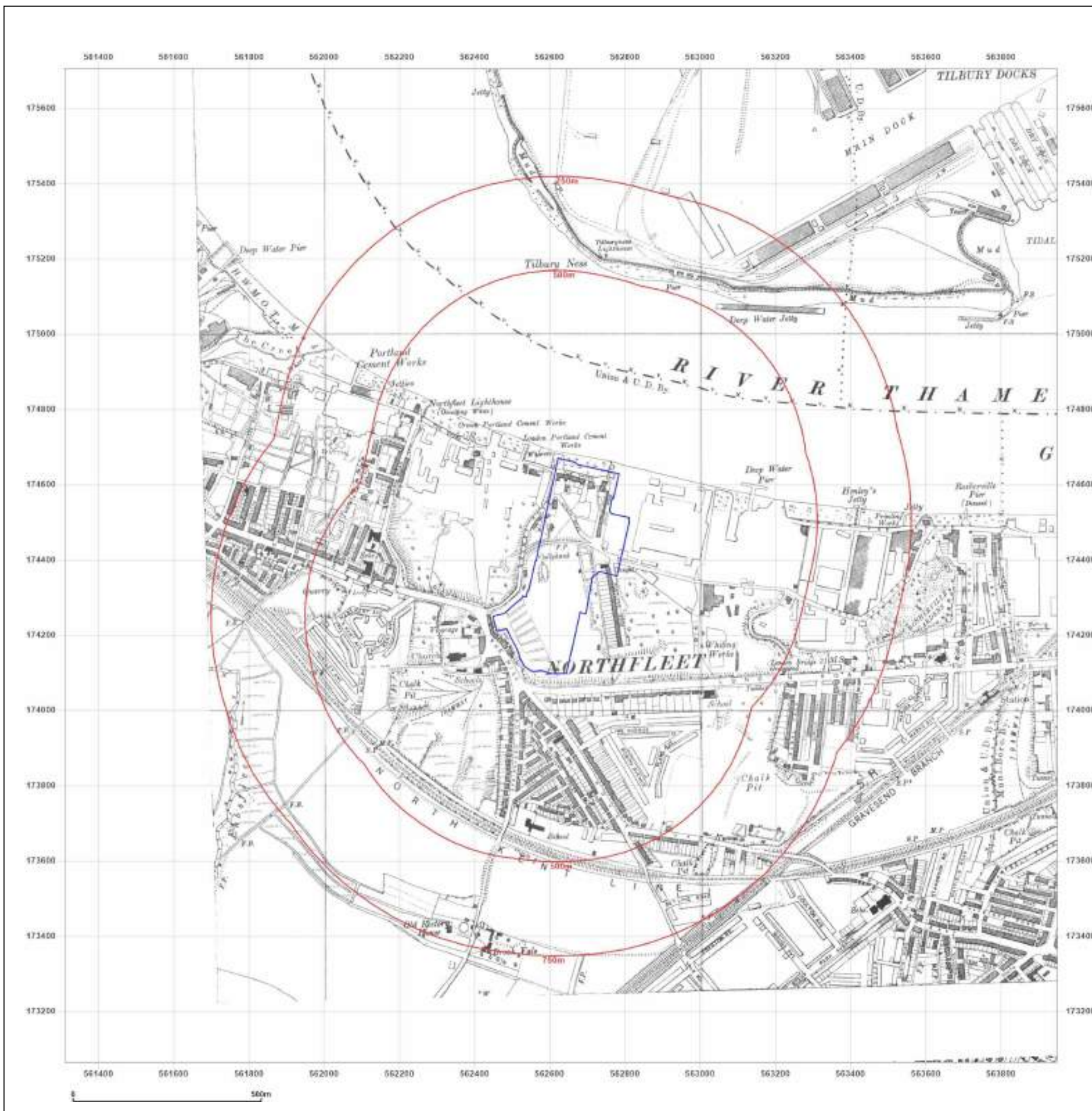


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1864
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

Surveyed 1864
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

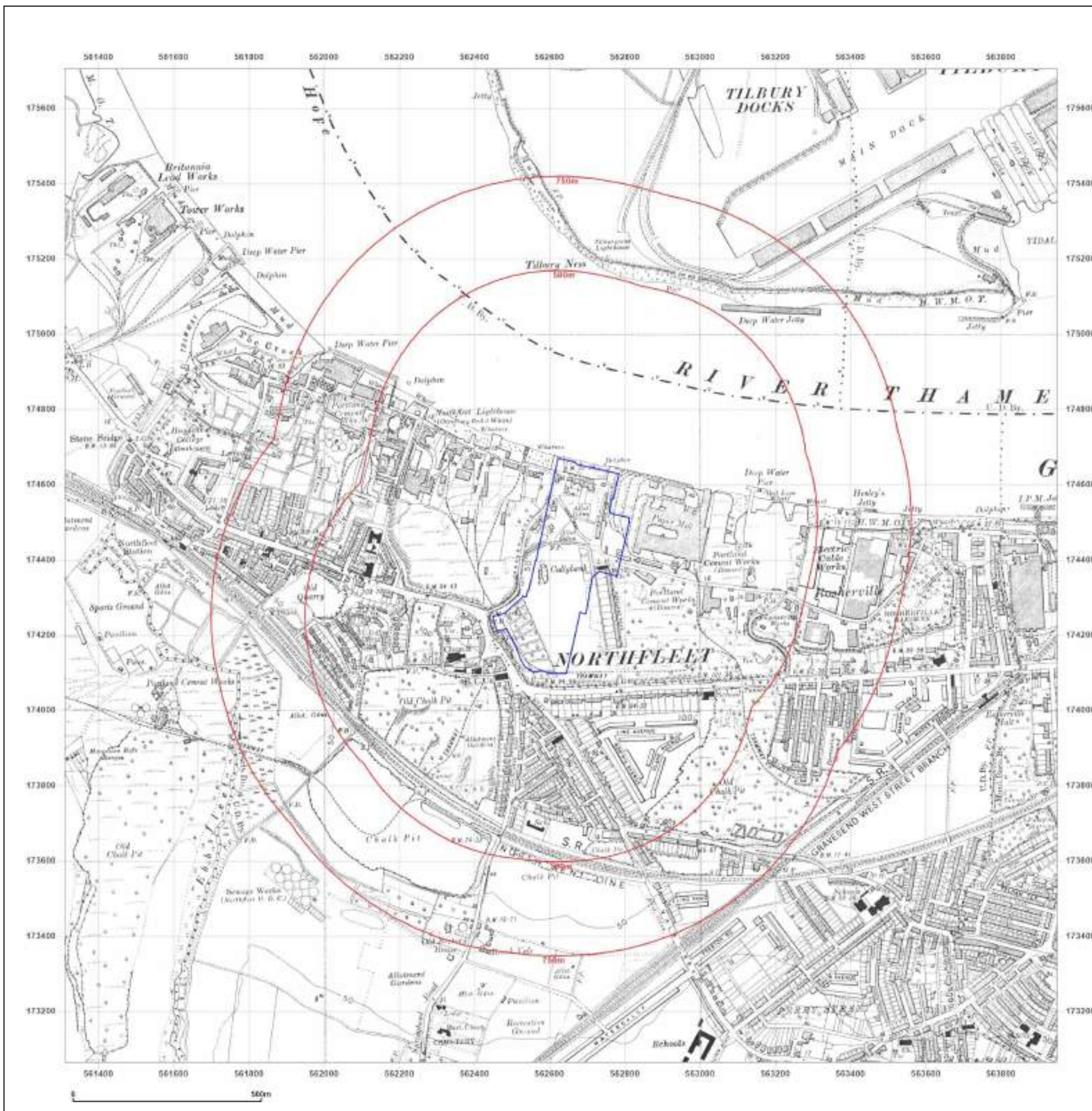


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Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: County Series

Map date: 1946

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1864
Revised 1946
Edition N/A
Copyright N/A
Levelled N/A

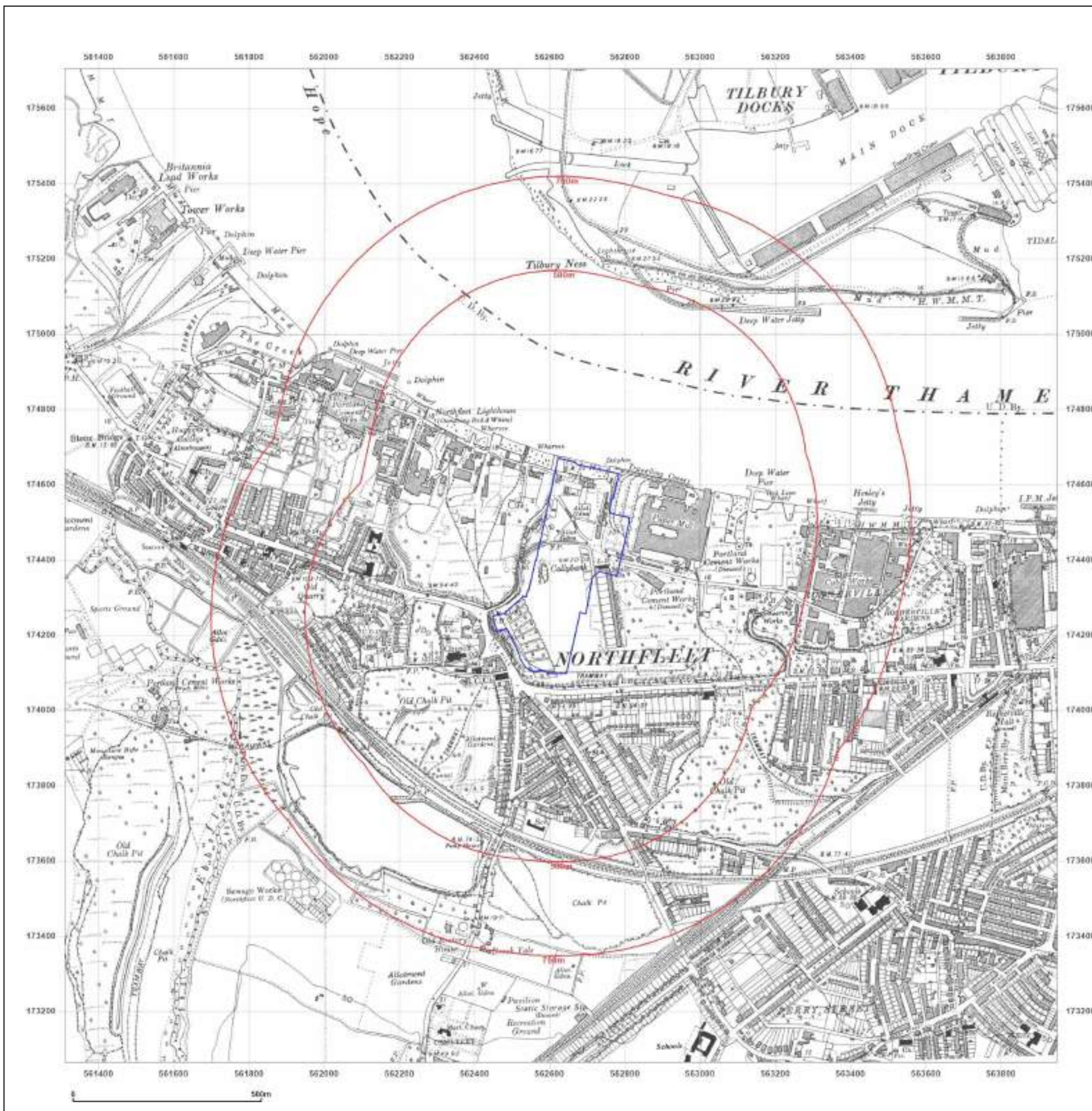


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: Provisional

Map date: 1955

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1864
Revised 1955
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1864
Revised 1955
Edition N/A
Copyright N/A
Levelled N/A

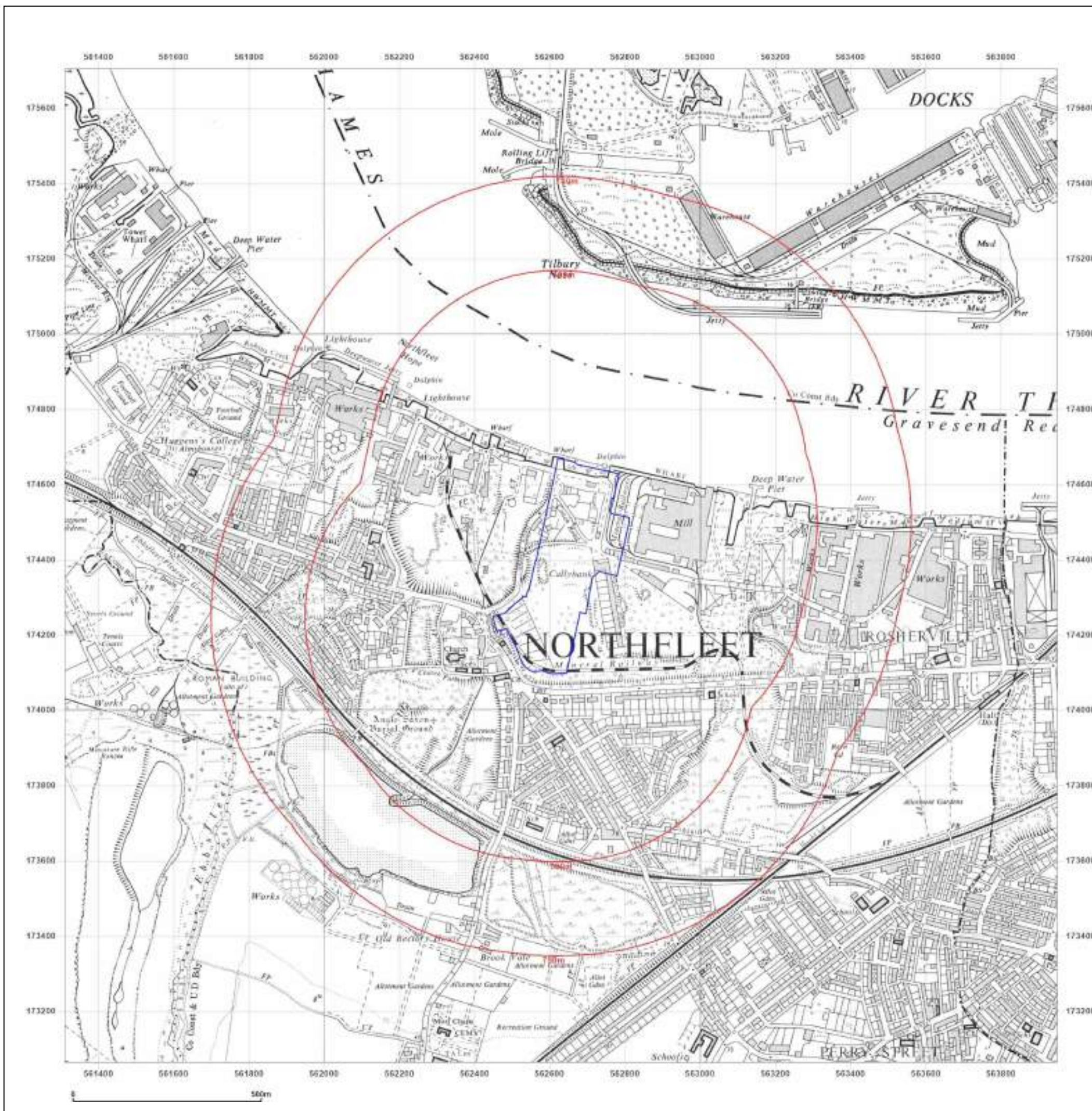


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: Provisional

Map date: 1966

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1966
Revised 1966
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1966
Revised 1966
Edition N/A
Copyright N/A
Levelled N/A

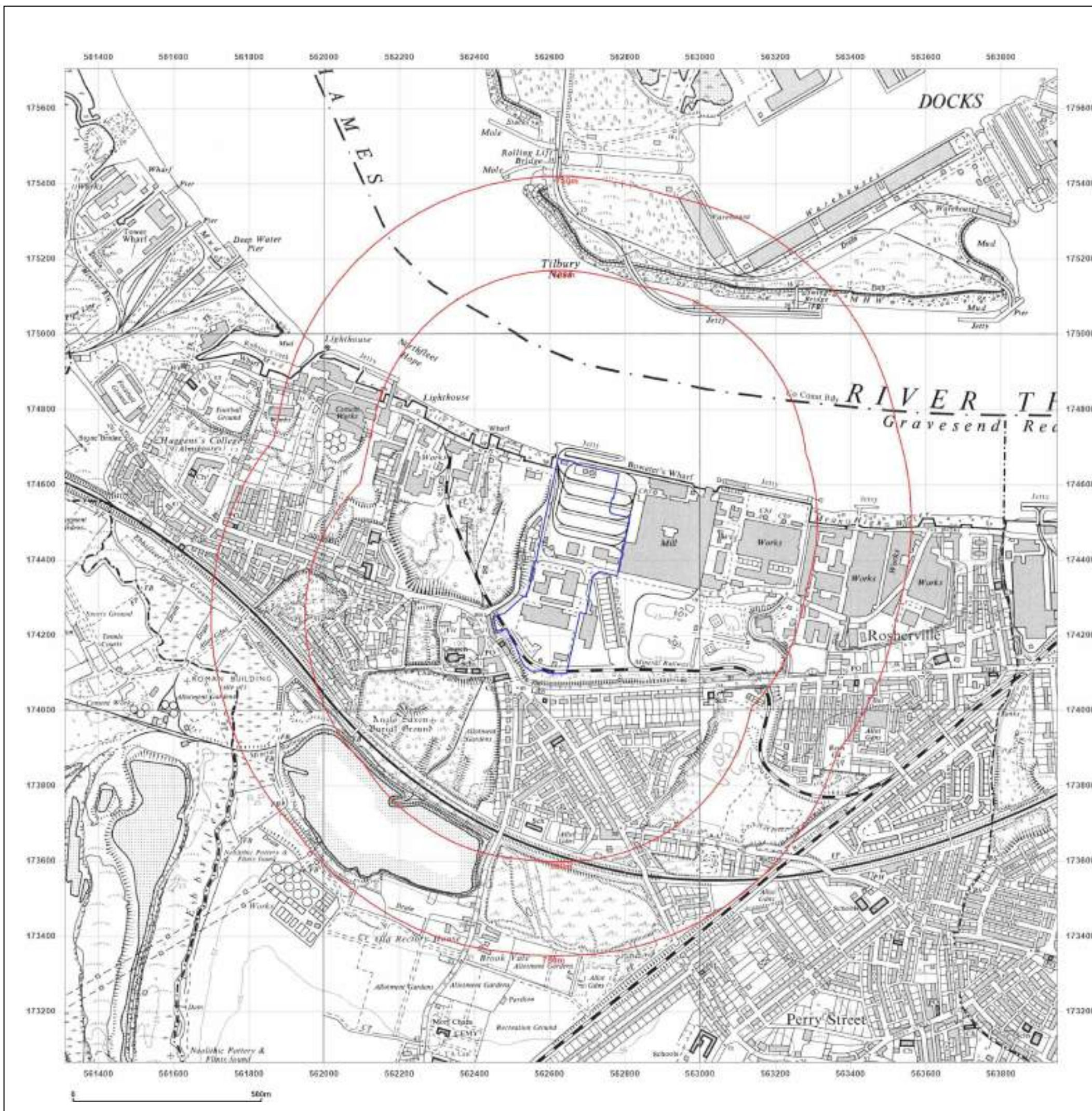


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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: National Grid

Map date: 1971-1973

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1973
Revised 1973
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1971
Revised 1971
Edition N/A
Copyright N/A
Levelled N/A



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GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: National Grid

Map date: 1977-1982

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1981
Revised 1982
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1977
Revised 1977
Edition N/A
Copyright N/A
Levelled N/A

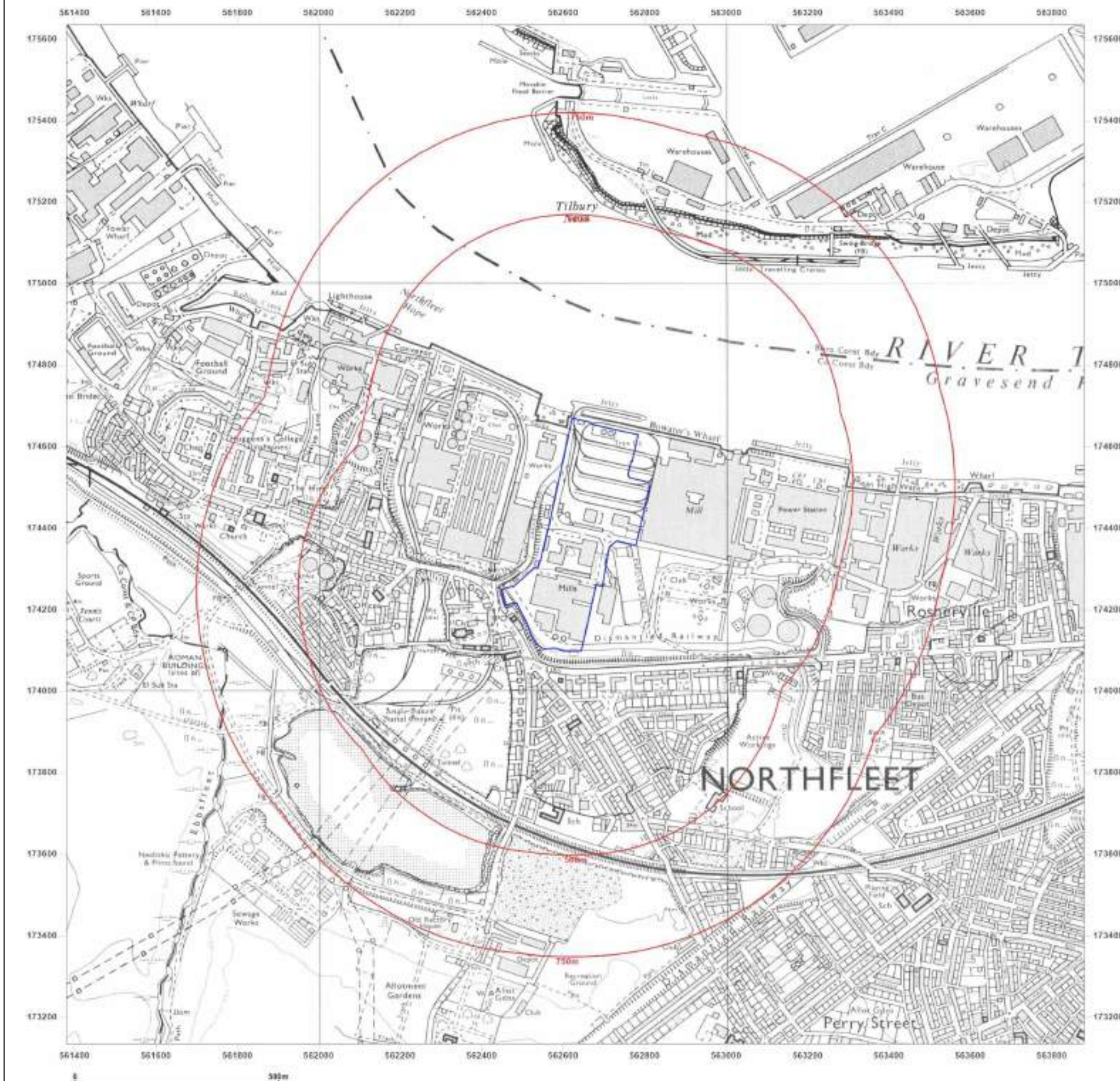


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Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: National Grid

Map date: 1990-1992

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1981
 Revised 1992
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1988
 Revised 1990
 Edition N/A
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Site Details:

TANK 249M FROM KIMBERLY CLARK LTD, NORTHFLEET MILL, CRETE HALL ROAD 23M FROM UNNAMED ROAD, CRETE HALL ROAD, NORTHFLEET, GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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Site Details:

TANK 249M FROM KIMBERLY
CLARK LTD, NORTHFLEET MILL,
CRETE HALL ROAD 23M FROM
UNNAMED ROAD, CRETE HALL
ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



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Site Details:

TANK 249M FROM KIMBERLY
CLARK LTD, NORTHFLEET MILL,
CRETE HALL ROAD 23M FROM
UNNAMED ROAD, CRETE HALL
ROAD, NORTHFLEET,
GRAVESEND, DA11 9AD

Client Ref: G_22_049_PONo203
Report Ref: GS-XIR-LDG-629-O6R
Grid Ref: 562629, 174384

Map Name: National Grid

Map date: 2023

Scale: 1:10,000

Printed at: 1:10,000

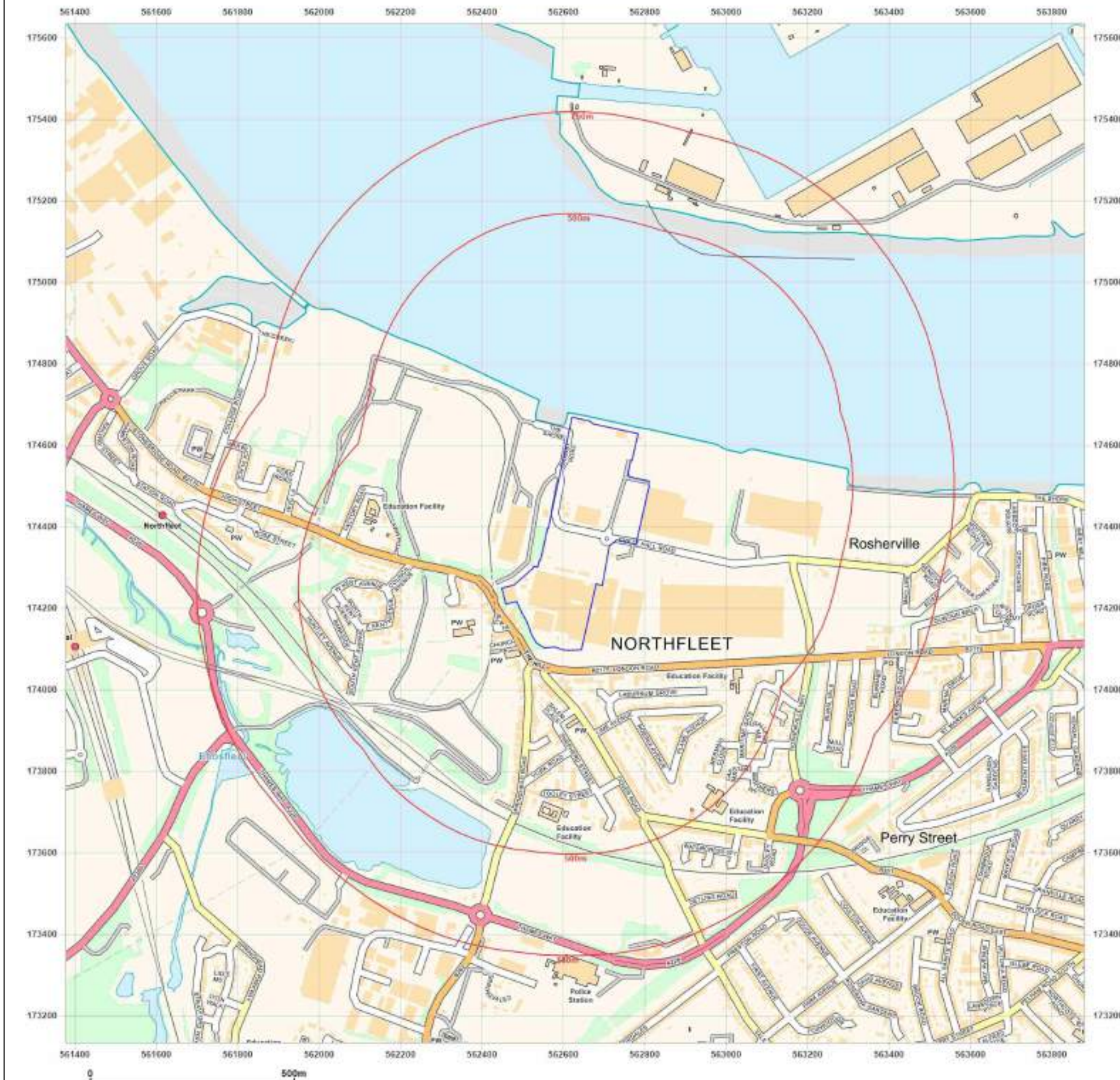


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Appendix C

Environmental Data

TANK 249M FROM KIMBERLY CLARK LTD, NORTHFLEET MILL, CRETE HALL ROAD 23M FROM UNNAMED ROAD, CRETE HALL ROAD, NORTHFLEET, GRAVESEND, DA11 9AD

Order Details

Date: 10/05/2023
Your ref: G_22_049_PONo203
Our Ref: GS-KHL-FVQ-DA4-TKD

Site Details

Location: 562676 174415
Area: 10.14 ha
Authority: [Gravesham Borough Council](#) !



[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 8 >](#)

[OS MasterMap site plan](#)

N/A: >10ha

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Contact us with any questions at:

info@groundsure.com !

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
13 >	1.1 >	Historical industrial land uses >	80	56	155	350	-
37 >	1.2 >	Historical tanks >	14	1	21	59	-
40 >	1.3 >	Historical energy features >	1	1	36	25	-
43 >	1.4 >	Historical petrol stations >	0	0	0	0	-
43 >	1.5 >	Historical garages >	0	1	1	4	-
44 >	1.6 >	Historical military land >	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
45 >	2.1 >	Historical industrial land uses >	114	66	218	463	-
76 >	2.2 >	Historical tanks >	19	1	32	88	-
82 >	2.3 >	Historical energy features >	2	1	50	34	-
85 >	2.4 >	Historical petrol stations >	0	0	0	0	-
85 >	2.5 >	Historical garages >	0	2	3	5	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
87 >	3.1 >	Active or recent landfill >	0	0	0	0	-
87 >	3.2 >	Historical landfill (BGS records) >	1	0	0	0	-
88 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	0	2	-
88 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	3	-
89 >	3.5 >	Historical waste sites >	0	0	0	0	-
89 >	3.6 >	Licensed waste sites >	0	0	0	5	-
91 >	3.7 >	Waste exemptions >	1	4	10	2	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
94 >	4.1 >	Recent industrial land uses >	10	4	23	-	-
96 >	4.2 >	Current or recent petrol stations >	0	0	0	0	-
97 >	4.3 >	Electricity cables >	0	9	18	7	-
99 >	4.4 >	Gas pipelines >	0	0	0	0	-
100 >	4.5 >	Sites determined as Contaminated Land >	0	0	0	0	-



100 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	0	0	0	-
100 >	4.7 >	Regulated explosive sites >	0	0	0	0	-
100 >	4.8 >	Hazardous substance storage/usage >	1	0	0	0	-
101 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	2	0	-
101 >	4.10 >	Licensed industrial activities (Part A(1)) >	3	0	9	1	-
103 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	1	1	-
104 >	4.12 >	Radioactive Substance Authorisations >	0	0	0	0	-
104 >	4.13 >	Licensed Discharges to controlled waters >	0	2	7	6	-
106 >	4.14 >	Pollutant release to surface waters (Red List) >	0	0	0	0	-
106 >	4.15 >	Pollutant release to public sewer >	0	0	0	0	-
106 >	4.16 >	List 1 Dangerous Substances >	0	0	4	1	-
107 >	4.17 >	List 2 Dangerous Substances >	0	0	1	0	-
107 >	4.18 >	Pollution Incidents (EA/NRW) >	1	2	10	3	-
109 >	4.19 >	Pollution inventory substances >	0	0	2	0	-
111 >	4.20 >	Pollution inventory waste transfers >	0	0	1	0	-
115 >	4.21 >	Pollution inventory radioactive waste >	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
116 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
118 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
120 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
121 >	5.4 >	Groundwater vulnerability- soluble rock risk >	Identified (within 0m)				
122 >	5.5 >	Groundwater vulnerability- local information >	Identified (within 0m)				
123 >	5.6 >	Groundwater abstractions >	2	0	5	8	25
133 >	5.7 >	Surface water abstractions >	0	0	0	0	1
133 >	5.8 >	Potable abstractions >	0	0	0	0	4
135 >	5.9 >	Source Protection Zones >	5	4	0	1	-
135 >	5.10 >	Source Protection Zones (confined aquifer) >	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
136 >	6.1 >	Water Network (OS MasterMap) >	0	0	0	-	-

136 >	6.2 >	Surface water features >	0	0	0	-	-
137 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
137 >	6.4 >	WFD Surface water bodies >	0	1	0	-	-
138 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
139 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
140 >	7.2 >	Historical Flood Events >	0	0	0	-	-
140 >	7.3 >	Flood Defences >	1	1	0	-	-
140 >	7.4 >	Areas Benefiting from Flood Defences >	1	0	0	-	-
141 >	7.5 >	Flood Storage Areas >	0	0	0	-	-
142 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
143 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
144 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
146 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
147 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	7
148 >	10.2 >	Conserved wetland sites (Ramsar sites) >	0	0	0	0	0
148 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	0
148 >	10.4 >	Special Protection Areas (SPA) >	0	0	0	0	0
149 >	10.5 >	National Nature Reserves (NNR) >	0	0	0	0	0
149 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	0
149 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	0
149 >	10.8 >	Biosphere Reserves >	0	0	0	0	0
150 >	10.9 >	Forest Parks >	0	0	0	0	0
150 >	10.10 >	Marine Conservation Zones >	0	0	0	0	0
150 >	10.11 >	Green Belt >	0	0	0	0	2
150 >	10.12 >	Proposed Ramsar sites >	0	0	0	0	0

151 >	10.13 >	Possible Special Areas of Conservation (pSAC) >	0	0	0	0	0
151 >	10.14 >	Potential Special Protection Areas (pSPA) >	0	0	0	0	0
151 >	10.15 >	Nitrate Sensitive Areas >	0	0	0	0	0
151 >	10.16 >	Nitrate Vulnerable Zones >	0	0	1	0	0
153 >	10.17 >	SSSI Impact Risk Zones >	2	-	-	-	-
155 >	10.18 >	SSSI Units >	0	0	0	0	16
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
163 >	11.1 >	World Heritage Sites >	0	0	0	-	-
164 >	11.2 >	Area of Outstanding Natural Beauty >	0	0	0	-	-
164 >	11.3 >	National Parks >	0	0	0	-	-
164 >	11.4 >	Listed Buildings >	0	4	7	-	-
165 >	11.5 >	Conservation Areas >	0	1	0	-	-
165 >	11.6 >	Scheduled Ancient Monuments >	0	0	0	-	-
166 >	11.7 >	Registered Parks and Gardens >	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
167 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
168 >	12.2 >	Open Access Land >	0	0	0	-	-
168 >	12.3 >	Tree Felling Licences >	0	0	0	-	-
168 >	12.4 >	Environmental Stewardship Schemes >	0	0	0	-	-
168 >	12.5 >	Countryside Stewardship Schemes >	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
169 >	13.1 >	Priority Habitat Inventory >	4	2	3	-	-
170 >	13.2 >	Habitat Networks >	0	0	1	-	-
170 >	13.3 >	Open Mosaic Habitat >	0	0	2	-	-
171 >	13.4 >	Limestone Pavement Orders >	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
172 >	14.1 >	10k Availability >	Identified (within 500m)				
173 >	14.2 >	Artificial and made ground (10k) >	2	1	2	8	-
175 >	14.3 >	Superficial geology (10k) >	1	1	0	4	-

176 >	14.4 >	Landslip (10k) >	0	0	0	0	-
177 >	14.5 >	Bedrock geology (10k) >	1	0	3	1	-
178 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
179 >	15.1 >	50k Availability >	Identified (within 500m)				
180 >	15.2 >	Artificial and made ground (50k) >	2	1	2	8	-
181 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
182 >	15.4 >	Superficial geology (50k) >	1	1	0	3	-
183 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
183 >	15.6 >	Landslip (50k) >	0	0	0	0	-
183 >	15.7 >	Landslip permeability (50k) >	None (within 50m)				
184 >	15.8 >	Bedrock geology (50k) >	1	0	3	0	-
185 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
185 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
186 >	16.1 >	BGS Boreholes >	4	5	28	-	-
Page	Section	Natural ground subsidence >					
189 >	17.1 >	Shrink swell clays >	Low (within 50m)				
190 >	17.2 >	Running sands >	Moderate (within 50m)				
192 >	17.3 >	Compressible deposits >	High (within 50m)				
194 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
195 >	17.5 >	Landslides >	Very low (within 50m)				
197 >	17.6 >	Ground dissolution of soluble rocks >	Low (within 50m)				
Page	Section	Mining, ground workings and natural cavities >	On site	0-50m	50-250m	250-500m	500-2000m
199 >	18.1 >	Natural cavities >	0	0	1	4	-
200 >	18.2 >	BritPits >	1	0	2	7	-
202 >	18.3 >	Surface ground workings >	58	28	131	-	-
210 >	18.4 >	Underground workings >	0	4	1	13	7
211 >	18.5 >	Historical Mineral Planning Areas >	0	1	1	3	-



212 >	18.6 >	Non-coal mining >	1	0	1	0	0
212 >	18.7 >	Mining cavities >	1	1	1	1	0
213 >	18.8 >	JPB mining areas >	None (within 0m)				
213 >	18.9 >	Coal mining >	None (within 0m)				
213 >	18.10 >	Brine areas >	None (within 0m)				
213 >	18.11 >	Gypsum areas >	None (within 0m)				
214 >	18.12 >	Tin mining >	None (within 0m)				
214 >	18.13 >	Clay mining >	None (within 0m)				
Page	Section	Radon >					
215 >	19.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
217 >	20.1 >	BGS Estimated Background Soil Chemistry >	4	1	-	-	-
217 >	20.2 >	BGS Estimated Urban Soil Chemistry >	0	0	-	-	-
218 >	20.3 >	BGS Measured Urban Soil Chemistry >	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
219 >	21.1 >	Underground railways (London) >	0	0	0	-	-
219 >	21.2 >	Underground railways (Non-London) >	0	0	0	-	-
220 >	21.3 >	Railway tunnels >	0	1	0	-	-
220 >	21.4 >	Historical railway and tunnel features >	30	32	70	-	-
225 >	21.5 >	Royal Mail tunnels >	0	0	0	-	-
225 >	21.6 >	Historical railways >	0	0	3	-	-
226 >	21.7 >	Railways >	0	5	6	-	-
226 >	21.8 >	Crossrail 1 >	0	0	0	0	-
226 >	21.9 >	Crossrail 2 >	0	0	0	0	-
227 >	21.10 >	HS2 >	0	0	0	0	-

Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 31/05/2021

Site Area: 10.14ha



Recent site history - 2018 aerial photograph

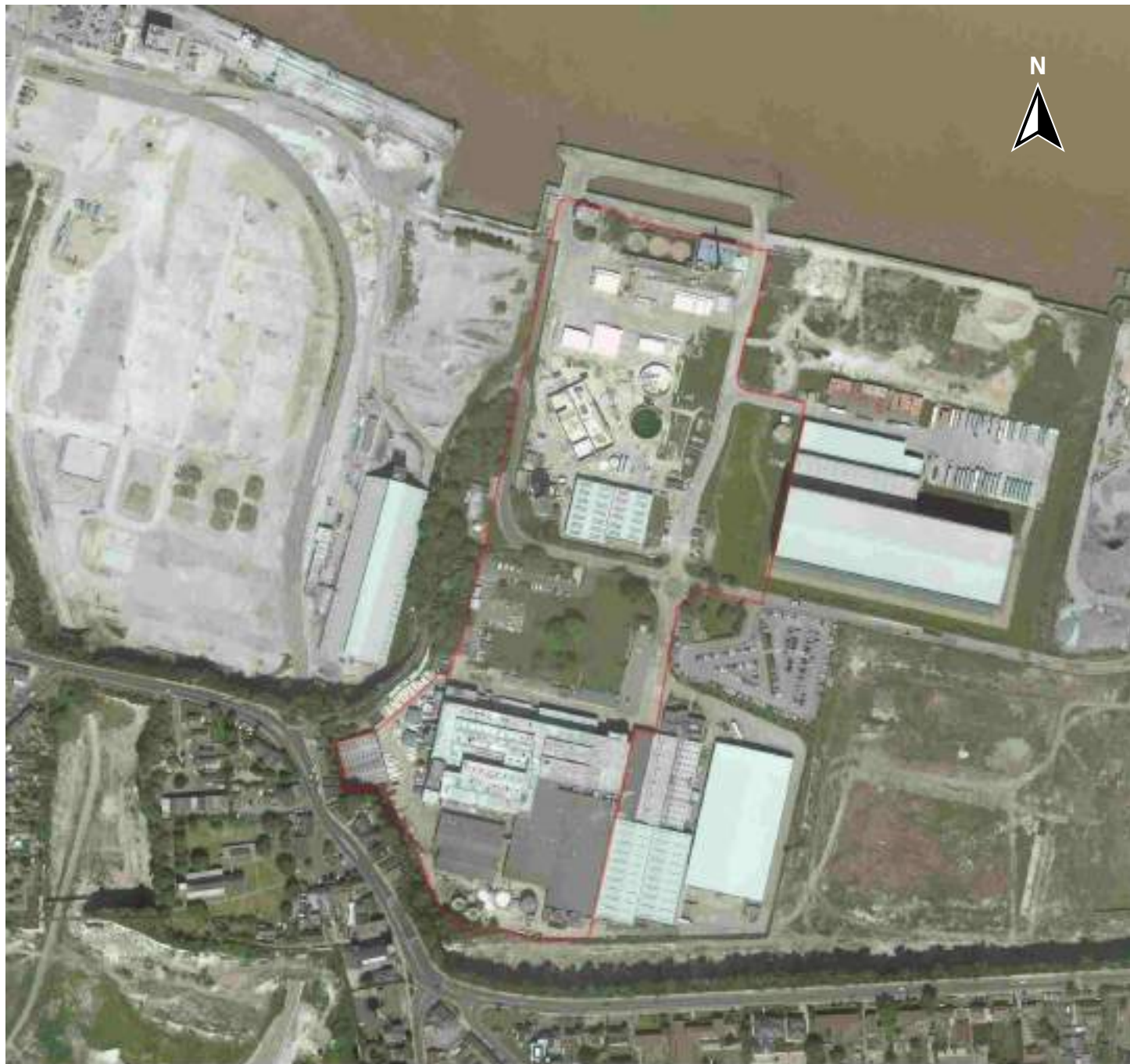


Capture Date: 01/09/2018

Site Area: 10.14ha



Recent site history - 2014 aerial photograph

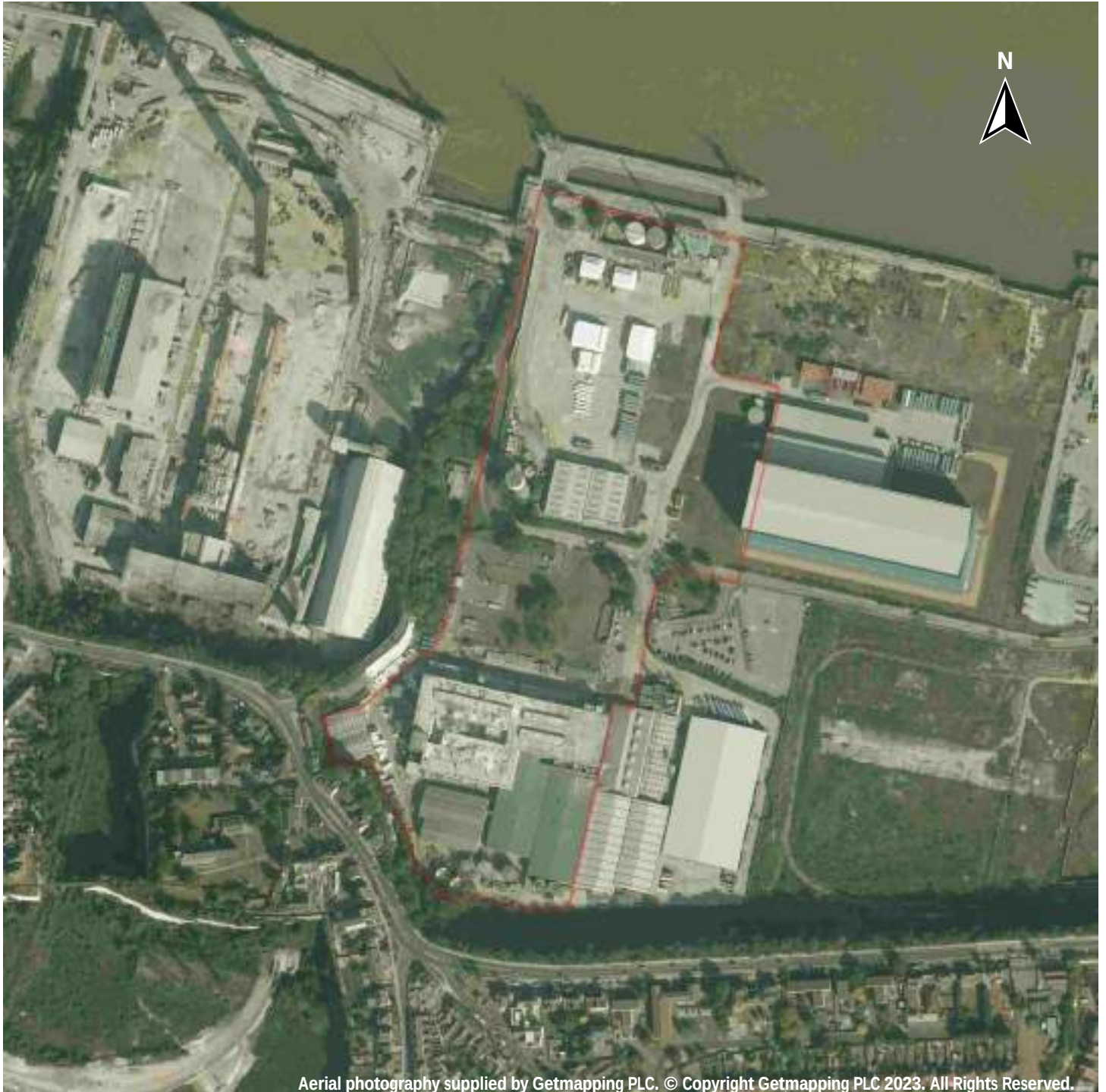


Capture Date: 31/07/2014

Site Area: 10.14ha



Recent site history - 2009 aerial photograph



Capture Date: 27/09/2009

Site Area: 10.14ha



Recent site history - 1999 aerial photograph

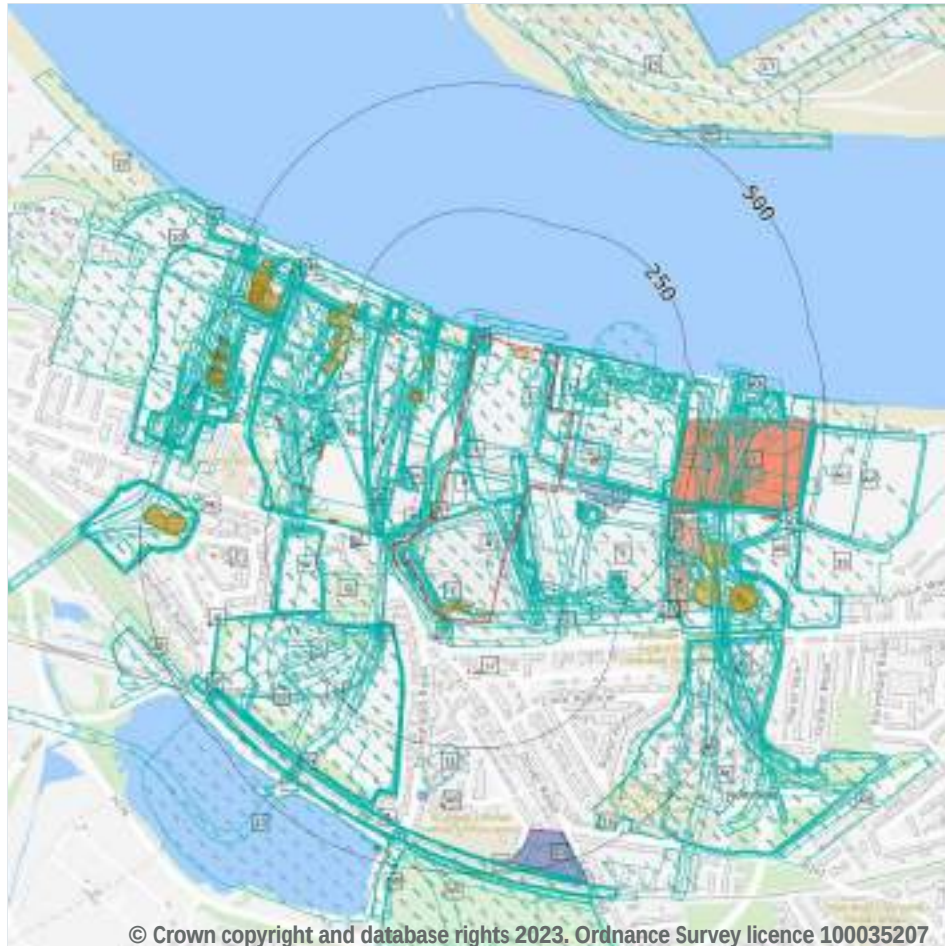


Capture Date: 03/09/1999

Site Area: 10.14ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

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1.1 Historical industrial land uses

Records within 500m

641

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 13 >](#)

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Tank	1966 - 1990	2253261



ID	Location	Land use	Dates present	Group ID
2	On site	Tramway Sidings	1938	2259493
3	On site	Disused Cement Works	1938 - 1946	2263565
A	On site	Unspecified Commercial/Industrial	1966	2131133
A	On site	Paper Mill	1990	2163242
A	On site	Brick Works	1895	2173447
A	On site	Brick Works	1888 - 1923	2178411
A	On site	Unspecified Mills	1971 - 1977	2206547
B	On site	Unspecified Ground Workings	1946	2134370
B	On site	Unspecified Heap	1955	2137192
B	On site	Unspecified Tank	1888	2155360
B	On site	Railway Sidings	1888	2180279
B	On site	Railway Sidings	1898	2193616
B	On site	Railway Sidings	1895	2202854
B	On site	Railway Sidings	1907	2212158
B	On site	Railway Sidings	1865	2219488
B	On site	Brick Works	1923	2265241
B	On site	Tramway Sidings	1916	2272871
B	On site	Railway Sidings	1898	2279934
B	On site	Railway Sidings	1895	2284631
C	On site	Unspecified Ground Workings	1955	2134371
C	On site	Dock Yard	1865	2135653
C	On site	Unspecified Warehouse	1990	2138636
C	On site	Unspecified Mills	1955	2139422
C	On site	Unspecified Foundry	1895	2140137
C	On site	Unspecified Factory	1865	2151044
C	On site	Disused Dock	1923	2164754
C	On site	Disused Dockyard	1895	2175883
C	On site	Disused Dockyard	1888	2176821



ID	Location	Land use	Dates present	Group ID
C	On site	Old Dock	1888	2182299
C	On site	Tramway Sidings	1932	2183788
C	On site	Paper Mill	1946	2187262
C	On site	Disused Dockyard	1916	2188060
C	On site	Old Dock	1895	2202877
C	On site	Disused Dockyard	1895	2206513
C	On site	Unspecified Tanks	1966 - 1990	2218498
C	On site	Old Dock	1907	2236667
C	On site	Unspecified Foundry	1898	2238796
C	On site	Railway Sidings	1971	2256057
C	On site	Old Dock	1916 - 1923	2257119
C	On site	Paper Mill	1932 - 1938	2260367
C	On site	Unspecified Mill	1966 - 1977	2273577
C	On site	Railway Sidings	1977	2275768
C	On site	Old Dock	1895 - 1898	2276300
C	On site	Disused Dockyard	1898	2288867
C	On site	Disused Dockyard	1907	2290228
C	On site	Tramway Sidings	1946	2295288
D	On site	Unspecified Heap	1916	2137179
D	On site	Mineral Railway Sidings	1955 - 1966	2240800
E	On site	Unspecified Heap	1865	2137193
E	On site	Unspecified Ground Workings	1888	2195293
E	On site	Unspecified Ground Workings	1898	2202804
E	On site	Unspecified Heap	1938	2237069
E	On site	Unspecified Heap	1895	2250110
E	On site	Unspecified Heap	1955	2284324
E	On site	Unspecified Heap	1938	2291476
E	On site	Unspecified Ground Workings	1946	2292333



ID	Location	Land use	Dates present	Group ID
F	On site	Unspecified Heap	1865	2137194
F	On site	Unspecified Tank	1966	2155361
F	On site	Rifle Range	1865	2164820
F	On site	Unspecified Tanks	1990	2218516
F	On site	Unspecified Tanks	1971 - 1977	2236011
G	On site	Railway Sidings	1938	2182970
G	On site	Unspecified Wharves	1898	2194823
G	On site	Unspecified Wharf	1955 - 1966	2203811
G	On site	Unspecified Wharves	1888	2225973
G	On site	Railway Sidings	1938	2235239
G	On site	Unspecified Foundry	1888 - 1895	2257006
G	On site	Unspecified Wharf	1865	2261188
G	On site	Cement Works	1938	2264284
G	On site	Unspecified Wharves	1938	2267097
G	On site	Tramway Sidings	1923	2289529
H	On site	Unspecified Pit	1955 - 1977	2200393
H	On site	Smithy	1888	2262861
H	On site	Smithy	1898	2265865
I	On site	Unspecified Ground Workings	1932	2202051
I	On site	Railway Sidings	1865	2254252
J	On site	Unspecified Ground Workings	1938	2230096
J	On site	Unspecified Ground Workings	1916	2271894
J	On site	Unspecified Ground Workings	1938	2277015
C	1m NE	Cuttings	1865	2129957
G	2m N	Unspecified Works	1971	2224509
G	2m N	Unspecified Works	1990	2245584
G	2m N	Unspecified Works	1977	2249897
C	3m NE	Unspecified Wharf	1955	2258935



ID	Location	Land use	Dates present	Group ID
G	3m N	Portland Cement Works	1938	2142882
G	3m N	Cement Works	1916	2201048
G	8m N	Unspecified Wharves	1907	2235374
H	8m SW	Smithy	1895	2167463
G	11m N	Unspecified Wharves	1946	2203805
H	12m SW	Smithy	1895	2167464
G	12m N	Unspecified Tank	1865	2155385
G	12m N	Unspecified Wharves	1932	2230920
G	13m SW	Railway Sidings	1971	2198214
H	13m SW	Tunnel	1971	2204151
H	13m SW	Tunnel	1990	2206369
G	13m SW	Railway Sidings	1990	2189766
G	14m N	Cement Works	1895	2199577
G	14m N	Cement Works	1907	2212428
E	16m SE	Lime Kilns	1865	2137927
G	21m SW	Unspecified Commercial/Industrial	1932 - 1938	2189289
K	21m SW	Tunnels	1865	2164893
G	22m N	Cement Works	1888 - 1898	2199361
G	22m SW	Tramway Sidings	1932	2172445
K	22m SW	Tunnels	1865	2164895
G	23m SW	Railway Sidings	1907	2233255
G	23m SW	Railway Sidings	1895	2273890
E	23m SE	Unspecified Heap	1865	2137191
G	24m SW	Unspecified Works	1990	2226028
G	24m SW	Unspecified Works	1977	2276056
G	26m N	Unspecified Wharves	1923	2140515
C	26m NE	Chimney	1971	2238457
C	27m NE	Unspecified Ground Workings	1907	2227237



ID	Location	Land use	Dates present	Group ID
C	27m NE	Unspecified Ground Workings	1895	2274503
C	28m NE	Unspecified Ground Workings	1888	2201011
G	30m SW	Tramway Sidings	1923	2200679
G	30m SW	Cement Works	1923	2222770
G	31m SW	Cement Works	1888	2207749
G	31m SW	Railway Sidings	1888	2211643
C	31m NE	Unspecified Ground Workings	1898	2273898
C	32m NE	Unspecified Ground Workings	1895	2244711
G	33m SW	Tramway Sidings	1946	2217156
C	36m NE	Unspecified Ground Workings	1916	2186884
G	36m SW	Railway Sidings	1898	2232282
G	38m SW	Tramway Sidings	1916	2281823
D	40m E	Unspecified Tank	1946	2155352
L	42m E	Unspecified Heap	1938	2190527
L	44m E	Unspecified Ground Workings	1938	2243098
L	44m E	Unspecified Heap	1932 - 1938	2247467
L	45m E	Unspecified Heap	1907	2171451
L	45m E	Unspecified Ground Workings	1946	2218651
L	45m E	Unspecified Heap	1895	2284571
L	47m E	Unspecified Ground Workings	1916	2226673
G	47m SW	Railway Sidings	1895	2182495
L	49m SE	Unspecified Heap	1865	2137190
L	49m E	Unspecified Ground Workings	1898	2255009
L	50m E	Unspecified Heap	1955	2228430
M	51m W	Unspecified Heap	1888	2290781
L	51m E	Unspecified Ground Workings	1888 - 1895	2279092
L	51m E	Unspecified Ground Workings	1865	2181299
L	55m E	Unspecified Heap	1923	2278695



ID	Location	Land use	Dates present	Group ID
M	57m W	Unspecified Heap	1895 - 1907	2191624
M	60m W	Unspecified Heap	1938	2242810
M	61m W	Unspecified Heap	1916	2261428
M	61m W	Unspecified Heap	1932	2214003
M	61m W	Unspecified Heap	1946	2264641
M	61m W	Unspecified Heap	1938	2247659
8	62m E	Railway Sidings	1971	2196674
N	62m E	Unspecified Works	1971 - 1977	2282059
G	63m W	Railway Sidings	1977	2247460
M	64m W	Unspecified Heap	1895	2251794
I	64m S	Unspecified Heap	1955	2257578
I	64m S	Unspecified Heap	1946	2256100
O	65m SW	Grave Yard	1865	2145773
C	67m NE	Unspecified Wharf	1966 - 1990	2269518
I	67m S	Unspecified Heap	1938	2238615
I	69m S	Unspecified Heap	1938	2258960
I	74m S	Unspecified Heap	1888	2194788
G	75m N	Unspecified Wharves	1888	2257888
G	75m N	Unspecified Wharves	1895	2256295
G	79m N	Unspecified Wharves	1898	2269488
G	80m N	Unspecified Wharf	1955	2251318
G	81m NW	Unspecified Tank	1932	2231785
G	81m NW	Unspecified Tank	1907	2243257
P	82m SW	Chalk Pit	1938	2201799
P	83m SW	Unspecified Disused Pit	1977 - 1990	2185472
P	83m SW	Burial Ground	1977	2242377
G	83m N	Wharves	1916	2143216
G	83m NW	Railway Sidings	1938	2262245

ID	Location	Land use	Dates present	Group ID
G	83m N	Railway Sidings	1938	2216955
G	83m N	Unspecified Wharves	1938	2224983
P	83m SW	Chalk Pit	1916	2206811
G	84m NW	Unspecified Tank	1946	2226120
G	84m NW	Unspecified Tank	1938	2178127
P	84m SW	Chalk Pit	1895 - 1898	2264989
G	85m NW	Unspecified Tank	1955	2222567
P	85m SW	Chalk Pit	1907	2228865
P	85m SW	Tramway Sidings	1907	2269038
P	86m SW	Chalk Pit	1938	2226835
P	86m SW	Old Chalk Pit	1938 - 1946	2169483
P	86m SW	Burial Ground	1955 - 1966	2214742
P	87m SW	Chalk Pit	1923	2255946
C	88m E	Unspecified Pit	1865	2126206
R	89m SW	Tramway Sidings	1923 - 1946	2210284
C	90m NE	Chimney	1966	2261280
N	92m SE	Unspecified Works	1990	2202868
P	92m SW	Chalk Pit	1895	2265909
P	93m SW	Old Chalk Pit	1932	2195684
S	95m SW	Railway Sidings	1895	2234406
T	95m SW	Tramway Sidings	1938	2193577
P	99m SW	Chalk Pit	1888	2260049
S	99m SW	Railway Sidings	1888	2229381
V	101m SE	Unspecified Heap	1955	2203412
G	102m W	Mineral Railway Sidings	1966	2164032
S	102m SW	Railway Sidings	1898	2196400
S	102m SW	Railway Sidings	1898	2239648
P	105m SW	Tramway Sidings	1916	2216135



ID	Location	Land use	Dates present	Group ID
G	108m NW	Unspecified Wharves	1888	2228901
P	111m SW	Mineral Railway Sidings	1966	2164033
C	118m E	Unspecified Pit	1865	2126205
G	120m NW	Unspecified Ground Workings	1955 - 1966	2193520
G	122m NW	Unspecified Ground Workings	1932	2214691
G	123m NW	Unspecified Heap	1938	2281542
G	126m NW	Unspecified Wharves	1938	2188799
9	128m SE	Unspecified Heap	1946 - 1955	2226084
W	132m W	Old Chalk Pit	1888 - 1895	2201073
W	132m W	Old Chalk Pit	1895	2194464
G	133m NW	Unspecified Ground Workings	1938	2251848
V	133m SE	Unspecified Ground Workings	1888 - 1895	2240550
G	133m NW	Unspecified Tank	1971	2155384
G	133m NW	Chimney	1977 - 1990	2214577
W	135m W	Unspecified Disused Pit	1977 - 1990	2214208
W	135m W	Old Chalk Pit	1898	2174323
W	137m W	Unspecified Pit	1923	2275681
W	138m W	Unspecified Pit	1955 - 1966	2175080
G	145m W	Unspecified Ground Workings	1865	2134372
G	148m W	Unspecified Pit	1955 - 1966	2248034
G	155m NW	Unspecified Wharves	1898	2173374
G	159m W	Railway Sidings	1895	2221164
G	159m NW	Unspecified Wharves	1932	2233409
G	159m W	Unspecified Commercial/Industrial	1946	2177592
V	161m SE	Unspecified Ground Workings	1932	2224506
G	163m W	Railway Sidings	1888	2212090
G	164m NW	Unspecified Wharf	1865	2288737
G	164m NW	Tramway Sidings	1865	2229224

ID	Location	Land use	Dates present	Group ID
G	170m W	Railway Sidings	1898	2231608
G	170m W	Railway Sidings	1898	2232469
G	179m W	Unspecified Heaps	1955 - 1966	2268760
G	182m W	Tunnel	1971	2151567
G	183m W	Cement Works	1938	2260164
G	184m NW	Unspecified Wharves	1946	2213252
10	189m NW	Unspecified Wharf	1895	2270164
G	190m NW	Tramway Sidings	1865	2178519
G	193m W	Railway Sidings	1888	2190216
G	194m NW	Unspecified Works	1955 - 1966	2196647
G	196m W	Brick Works	1895	2213430
V	197m SE	Unspecified Pit	1865	2126202
G	198m W	Railway Sidings	1895 - 1898	2200731
G	199m NW	Brick Works	1895	2211016
G	199m NW	Cement Works	1907	2271974
V	199m SE	Unspecified Heap	1923 - 1938	2200919
V	199m SE	Unspecified Heap	1938	2262977
X	201m E	Cement Works	1916	2172745
V	203m SE	Unspecified Ground Workings	1898	2236289
V	203m SE	Unspecified Ground Workings	1898	2265691
V	203m SE	Unspecified Heap	1895	2274163
V	203m SE	Unspecified Heap	1946	2284826
X	204m E	Cement Works	1907	2178945
V	206m SE	Unspecified Heap	1907	2277284
G	207m NW	Unspecified Tank	1971	2155386
G	207m NW	Chimney	1977 - 1990	2276814
G	207m W	Unspecified Ground Workings	1865	2134373
X	208m E	Cement Works	1923	2261569



ID	Location	Land use	Dates present	Group ID
G	211m W	Unspecified Pit	1895	2126199
N	213m E	White Lead Works	1895	2178157
G	217m W	Gravel Pit	1966	2139095
G	217m W	Refuse Heap	1955	2213837
X	218m E	Power Station	1977 - 1990	2196236
N	220m E	Whiting Works	1916	2239701
N	220m E	Whiting Works	1938	2183039
N	220m E	Whiting Works	1938	2217810
X	220m E	Unspecified Works	1966 - 1971	2289828
N	221m E	Disused Cement Works	1932	2171407
G	222m NW	Gas Works	1895	2135574
N	223m E	Lead Works	1898	2173024
N	223m E	Railway Sidings	1865	2180092
N	226m E	Unspecified Commercial/Industrial	1907 - 1916	2241032
N	226m E	White Lead Works	1888 - 1895	2284295
G	227m NW	Unspecified Wharves	1932 - 1938	2256480
X	227m E	Railway Sidings	1907	2278942
Y	228m E	Lime Kilns	1865	2137925
G	229m NW	Railway Sidings	1938	2231939
G	229m NW	Railway Sidings	1938	2293485
G	229m NW	Railway Sidings	1916	2253026
G	234m W	Unspecified Heap	1895 - 1907	2225807
N	234m E	Railway Sidings	1916	2207145
G	236m W	Unspecified Ground Workings and Heap	1888	2138421
N	236m E	Whiting Works	1907 - 1923	2182525
G	237m W	Unspecified Heap	1916	2224608
G	238m NW	Unspecified Tanks	1971 - 1990	2203595
G	239m W	Unspecified Heap	1938 - 1946	2198347



ID	Location	Land use	Dates present	Group ID
G	240m W	Unspecified Heap	1938	2177199
G	240m W	Refuse Heap	1907	2283287
G	242m W	Unspecified Heap	1946	2260825
G	242m W	Unspecified Ground Workings	1932	2260766
G	243m W	Unspecified Ground Workings	1938	2283864
G	245m W	Unspecified Heap	1895	2284148
11	245m S	Barrack Field	1865	2162777
G	246m W	Refuse Heap	1895	2266317
G	249m W	Refuse Heap	1898	2185867
X	249m E	Cement Works	1923	2276410
G	251m NW	Unspecified Ground Workings	1865 - 1895	2278654
G	252m NW	Unspecified Ground Workings	1888	2289276
G	252m NW	Unspecified Heap	1895	2231545
G	255m W	Unspecified Heap	1865	2137189
G	256m NW	Unspecified Ground Workings	1898	2260961
G	258m W	Unspecified Heap	1955 - 1966	2273343
N	258m E	Unspecified Ground Workings	1932	2290262
G	258m NW	Unspecified Heap	1923	2285804
N	260m E	Unspecified Pit	1946	2126201
G	260m NW	Unspecified Heaps	1907	2160807
G	262m NW	Railway Sidings	1888	2287501
N	262m E	Unspecified Ground Workings	1938	2271529
G	262m NW	Unspecified Ground Workings	1916	2187722
G	266m NW	Unspecified Tanks	1888 - 1898	2270541
G	266m NW	Railway Sidings	1898	2182140
G	266m NW	Railway Sidings	1898	2203069
G	267m NW	Railway Sidings	1955	2208314
G	268m NW	Unspecified Tanks	1923	2269182



ID	Location	Land use	Dates present	Group ID
G	270m NW	Unspecified Tanks	1907	2193341
N	272m E	Railway Sidings	1895	2268619
G	274m NW	Unspecified Heap	1938 - 1946	2244889
G	274m NW	Railway Sidings	1966	2239807
G	274m NW	Tanks	1916	2162274
G	275m NW	Unspecified Heap	1932	2247677
G	276m NW	Unspecified Ground Workings	1946	2248616
G	277m NW	Unspecified Heap	1955 - 1966	2219062
X	278m E	Railway Sidings	1895	2178142
N	280m SE	Tramway Sidings	1932	2270302
N	282m E	Railway Sidings	1898	2249046
X	284m E	Disused Cement Works	1938	2258554
N	286m E	Railway Sidings	1888	2230386
X	289m E	Unspecified Tank	1946	2272305
X	290m E	Tank	1916	2140334
N	290m E	Tramway Sidings	1923	2209466
X	294m E	Unspecified Tank	1923 - 1932	2223889
X	294m E	Unspecified Tank	1907	2264045
X	295m E	Unspecified Works	1966 - 1971	2223965
X	296m E	Unspecified Tank	1938	2243937
G	296m W	Unspecified Heaps	1865	2160806
R	305m SW	Cuttings	1955 - 1966	2250541
X	305m E	Disused Cement Works	1932	2174372
X	306m E	Disused Cement Works	1946	2248542
12	306m SW	Burial Ground	1971 - 1977	2276672
G	307m NW	Unspecified Pit	1916 - 1923	2287279
G	308m NW	Unspecified Pit	1907	2266377
13	310m SE	Unspecified Heap	1955	2137198

ID	Location	Land use	Dates present	Group ID
N	310m E	Unspecified Tanks	1977	2186359
N	310m E	Unspecified Tanks	1990	2220603
N	315m E	Whiting Works	1895	2224774
AA	321m E	Unspecified Wharf	1895	2189541
AA	322m E	Unspecified Wharves	1938	2267802
AA	323m E	Unspecified Wharf	1946	2184902
AA	323m E	Unspecified Wharf	1895 - 1898	2197099
AA	326m E	Unspecified Wharf	1888	2188208
AA	331m E	Railway Building	1895	2150385
X	337m E	Tank	1916	2140336
X	338m E	Unspecified Tank	1946	2192348
X	338m E	Unspecified Tanks	1932 - 1938	2207974
X	338m E	Unspecified Tank	1938	2198996
X	339m E	Unspecified Pit	1895	2196465
X	341m E	Unspecified Pit	1865	2246996
X	342m E	Unspecified Tank	1955	2257393
X	343m E	Unspecified Tank	1907	2216981
X	343m E	Unspecified Tank	1932	2268628
AA	344m E	Railway Sidings	1865	2277546
X	344m E	Unspecified Tank	1923	2263596
X	345m E	Unspecified Pit	1898	2291256
N	347m E	Whiting Works	1898	2253968
N	349m E	Railway Sidings	1938	2292502
G	349m W	Unspecified Heap	1932	2280363
X	349m E	Unspecified Pit	1888 - 1895	2193764
N	350m E	Whiting Works	1888	2208554
G	350m W	Unspecified Heap	1938	2258662
G	352m W	Unspecified Ground Workings	1916	2253710



ID	Location	Land use	Dates present	Group ID
AA	356m E	Chimney	1966 - 1990	2253934
G	368m NW	Railway Sidings	1938	2194554
AD	368m NW	Unspecified Works	1977 - 1990	2267204
AA	368m E	Unspecified Wharf	1932	2239534
AE	368m NW	Unspecified Wharf	1895	2174813
AE	369m NW	Unspecified Wharf	1946	2227580
AE	369m NW	Unspecified Wharf	1932	2267120
N	369m E	Tank	1916	2140335
AA	369m E	Quay	1865	2139307
AF	370m SE	Chalk Pit	1938	2286029
AG	371m E	Old Chalk Pit	1895	2250767
G	373m NW	Refuse Heap	1938	2281695
G	374m NW	Refuse Heap	1946	2290801
N	374m E	Unspecified Tank	1907	2155355
AG	378m E	Unspecified Works	1955	2270972
AE	379m W	Cement Works	1938	2245417
AA	380m E	Unspecified Wharf	1895	2282260
AE	380m NW	Unspecified Wharf	1865 - 1888	2250458
AG	380m E	Unspecified Ground Workings	1907	2280390
AG	380m E	Old Chalk Pit	1895	2287516
AE	381m NW	Unspecified Wharf	1895	2182716
AC	381m W	Unspecified Tank	1938	2155300
AE	381m W	Cement Works	1907 - 1916	2198904
AG	382m E	Old Chalk Pit	1898	2234948
AE	382m W	Unspecified Pit	1865	2126200
AG	382m E	Chalk Pit	1888	2157766
AH	383m SW	Tunnel	1977 - 1990	2218238
AC	384m W	Tramway Sidings	1888 - 1898	2189056



ID	Location	Land use	Dates present	Group ID
AC	384m W	Unspecified Quarry	1888	2270926
AE	385m NW	Gas Works	1895 - 1923	2197699
AE	386m NW	Cement Works	1923	2227374
AE	386m NW	Unspecified Wharf	1898	2227582
AE	386m NW	Unspecified Tank	1966	2205104
AC	387m W	Quarry	1916	2143070
AF	387m SE	Old Chalk Pit	1932	2272466
AE	387m NW	Unspecified Tank	1946	2264603
AH	387m SW	Tunnel	1938 - 1946	2259364
AE	388m NW	Unspecified Tank	1932	2269509
AJ	388m SE	Old Chalk Pit	1895	2291323
AF	388m SE	Unspecified Pit	1955 - 1966	2254534
AF	389m SE	Old Chalk Pit	1938 - 1946	2274267
AK	389m SE	Disused Workings	1990	2144633
AK	389m SE	Unspecified Pit	1971 - 1990	2241389
AH	389m SW	Tunnel	1932	2237676
AC	389m W	Unspecified Quarry	1938	2212291
AC	390m W	Unspecified Quarry	1895 - 1907	2290194
AC	390m W	Unspecified Quarry	1923	2222565
AE	390m NW	Portland Cement Works	1938	2142881
AE	391m NW	Unspecified Commercial/Industrial	1990	2131137
AE	391m NW	Unspecified Works	1971 - 1977	2285621
AC	391m W	Unspecified Old Quarry	1932	2204295
AC	391m W	Unspecified Old Quarry	1946	2240083
AC	391m W	Railway Sidings	1895 - 1907	2272832
AC	392m W	Unspecified Quarry	1990	2180631
AC	392m W	Unspecified Old Quarry	1938	2219695
AE	392m NW	Cement Works	1895	2190489

ID	Location	Land use	Dates present	Group ID
AE	392m NW	Railway Sidings	1895	2201192
AE	392m NW	Cement Works	1938	2255887
AC	393m W	Tramway Sidings	1923	2270090
AE	393m NW	Cement Works	1932	2259850
AC	393m W	Unspecified Tank	1946	2155299
AE	394m W	Unspecified Tank	1971 - 1990	2178010
AE	394m NW	Cement Works	1946	2269578
AJ	394m SE	Unspecified Works	1977 - 1990	2227273
AC	394m W	Unspecified Ground Workings	1955	2134375
AC	394m W	Unspecified Pit	1966	2234234
AC	394m W	Unspecified Quarry	1938	2230336
AE	395m NW	Brick Works	1898	2267552
AE	396m NW	Railway Sidings	1888	2206474
AC	396m W	Unspecified Tank	1932	2155298
AJ	396m SE	Old Chalk Pit	1888 - 1898	2283604
AF	396m SE	Chalk Pit	1916	2291806
N	397m E	Unspecified Pit	1971	2126194
AH	399m SW	Cuttings	1907	2192325
AH	399m SW	Cuttings	1895	2238165
AE	399m NW	Tramway Sidings	1946	2244792
AE	400m NW	Railway Sidings	1898	2284790
AE	400m NW	Tramway Sidings	1923	2280216
AL	400m SW	Cuttings	1938	2237041
AH	401m SW	Cuttings	1938	2251327
AC	401m W	Unspecified Quarry	1895	2222667
AH	401m SW	Cuttings	1895	2271612
AE	401m W	Brick Works	1888	2266509
T	402m SW	Cuttings	1946	2170626



ID	Location	Land use	Dates present	Group ID
AE	402m NW	Railway Sidings	1907	2256771
AF	402m SE	Chalk Pit	1907	2182199
AL	402m S	Cuttings	1932	2264051
AE	403m W	Railway Sidings	1916	2223194
AE	403m NW	Railway Sidings	1895	2170939
AE	403m NW	Gas Works	1895	2280294
AE	404m W	Unspecified Pit	1895	2173101
T	404m SW	Cuttings	1932	2248862
AF	404m SE	Chalk Pit	1923	2231607
T	404m SW	Cuttings	1938	2248116
AH	405m SW	Cuttings	1865	2186329
AE	405m NW	Railway Sidings	1938	2185989
AH	405m SW	Cuttings	1923	2179093
N	405m SE	Lime Kiln	1865	2166925
AA	405m E	Chimney	1966 - 1990	2172660
N	406m SE	Unspecified Tank	1895	2155359
AE	407m W	Unspecified Ground Workings	1938	2200630
AM	408m S	Cuttings	1938	2212837
AA	408m E	Unspecified Wharf	1946	2250583
AE	409m W	Unspecified Pit	1923	2295096
AE	409m W	Unspecified Ground Workings	1946	2195957
AC	409m W	Unspecified Tanks	1990	2288161
AE	410m W	Unspecified Ground Workings	1938	2293261
AL	411m S	Cuttings	1971 - 1990	2250911
AL	411m S	Cuttings	1955	2274099
AM	411m S	Cuttings	1966	2256839
AE	411m W	Unspecified Ground Workings	1907	2187583
AE	411m W	Unspecified Ground Workings	1932	2227340



ID	Location	Land use	Dates present	Group ID
AD	411m NW	Unspecified Wharf	1946	2174998
AE	412m W	Clay Mill	1865	2166682
AE	413m W	Unspecified Ground Workings	1916	2245674
AC	413m W	Unspecified Tanks	1971 - 1977	2221777
N	413m SE	Unspecified Tanks	1932	2277635
AE	413m NW	Unspecified Wharf	1938	2269449
AE	413m NW	Unspecified Wharf	1938	2284946
N	415m SE	Unspecified Tanks	1938	2198991
AJ	415m SE	Tunnel	1938	2186953
AJ	416m SE	Tunnel	1916 - 1923	2214375
AE	418m W	Unspecified Pit	1971 - 1990	2244611
AE	418m NW	Gas Works	1888	2275082
AE	418m W	Unspecified Pit	1865	2126197
AJ	420m SE	Tunnel	1938 - 1946	2222826
AJ	421m SE	Tunnel	1932	2201075
N	421m SE	Unspecified Tank	1895	2155358
AM	423m S	Cuttings	1895	2225362
AM	426m S	Cuttings	1916	2238478
AM	427m S	Cuttings	1898	2256878
AM	427m S	Cuttings	1898	2287436
AE	427m W	Unspecified Works	1955	2181006
AE	427m W	Cement Works	1966	2191753
AE	427m W	Unspecified Pit	1955	2220863
AM	427m S	Cuttings	1865 - 1888	2173593
AE	428m NW	Gas Works	1865	2196446
AM	428m S	Cuttings	1907 - 1946	2182780
AM	428m S	Cuttings	1895	2265791
AM	428m S	Cuttings	1923 - 1990	2177141



ID	Location	Land use	Dates present	Group ID
AE	428m W	Unspecified Ground Workings	1907	2201701
AE	429m NW	Unspecified Pit	1955	2126198
AE	429m W	Brick Field	1865	2146742
AJ	429m SE	Tunnel	1907	2221121
AK	430m SE	Unspecified Workings	1977	2151480
AE	430m NW	Gasometers	1888	2219354
AE	431m NW	Gasometer	1865 - 1895	2251285
AE	431m NW	Gasometer	1907	2267711
AA	431m E	Unspecified Wharf	1932	2240138
14	432m SW	Chalk Pit	1932 - 1938	2221295
AJ	432m SE	Unspecified Quarry	1865	2145147
AE	433m NW	Unspecified Tank	1966 - 1971	2245813
AE	435m NW	Gasometers	1898	2246274
AE	436m NW	Gasometer	1923	2198636
AE	436m NW	Unspecified Tank	1895	2178668
AE	436m NW	Unspecified Tank	1907	2189915
AE	436m NW	Unspecified Tanks	1932	2295240
AN	437m E	Engineering Works	1946	2142111
AP	437m SW	Cuttings	1888	2238616
AJ	437m SE	Railway Sidings	1895	2236870
AE	437m NW	Unspecified Tanks	1946	2289538
AP	438m SW	Cuttings	1895	2275660
AP	439m SW	Cuttings	1946	2188749
AE	439m W	Unspecified Tank	1888	2221871
AE	440m W	Unspecified Tank	1932	2173552
AE	440m W	Unspecified Tank	1907	2223911
AE	440m W	Unspecified Tank	1895	2281766
AE	440m W	Unspecified Tank	1923	2236118

ID	Location	Land use	Dates present	Group ID
AP	440m SW	Cuttings	1932	2193908
AQ	440m SE	Tramway Sidings	1946	2204626
AE	441m NW	Gasometers	1916	2201676
AJ	441m SE	Railway Sidings	1865	2170158
AE	441m NW	Unspecified Tank	1923	2249129
AE	441m W	Unspecified Ground Workings	1865	2231370
AE	441m NW	Gasometer	1895	2210501
AP	444m SW	Cuttings	1895	2268145
AE	444m W	Unspecified Tank	1898	2182614
AE	444m W	Unspecified Tank	1938 - 1946	2206358
AC	445m W	Unspecified Pit	1865	2212720
AQ	446m SE	Tramway Sidings	1938	2243934
AE	447m NW	Gasometer	1895	2222190
AF	448m SE	Railway Sidings	1907	2276868
AJ	449m SE	Unspecified Pits	1955	2141813
AO	450m S	Chalk Pit	1932 - 1938	2222966
AE	450m W	Unspecified Tanks	1895	2176477
AE	451m W	Unspecified Tank	1865	2155362
N	452m SE	Unspecified Tanks	1932	2284856
AE	452m NW	Unspecified Industrial/Commercial	1888	2164943
N	453m SE	Unspecified Tanks	1938	2280916
AF	453m SE	Railway Sidings	1923	2255519
15	454m NE	Railway Sidings	1955 - 1966	2267789
AR	455m NE	Railway Sidings	1982 - 1992	2257573
AO	455m S	Refuse Heap	1946	2246271
AL	457m S	Tunnel	1946	2151572
AE	457m W	Unspecified Pit	1895	2169819
AE	459m W	Unspecified Tanks	1888	2194428

ID	Location	Land use	Dates present	Group ID
AE	459m W	Unspecified Tanks	1895	2192420
AS	461m S	Tramway Sidings	1946	2151152
AS	461m S	Chalk Pit	1946	2294193
AS	461m S	Gravel Pit	1977	2139097
AE	462m W	Unspecified Tanks	1971	2226113
AE	462m W	Unspecified Tanks	1990	2255661
AE	462m W	Unspecified Tanks	1977	2259554
AE	463m W	Unspecified Tanks	1898	2201962
AE	463m W	Unspecified Tanks	1898	2236772
AE	465m NW	Railway Sidings	1865	2222502
N	466m SE	Unspecified Ground Workings	1955	2134364
AL	466m S	Pump House	1990	2168094
AE	468m W	Railway Sidings	1895	2251914
AE	468m W	Railway Sidings	1907	2252281
AT	469m SW	Railway Sidings	1977 - 1990	2188509
AL	469m S	Pumping House	1946	2165293
AE	470m W	Railway Sidings	1888	2192901
AS	470m S	Unspecified Ground Workings	1955 - 1966	2227645
17	470m N	Railway Sidings	1946	2249066
AJ	471m SE	Tunnel	1938	2183707
AE	472m W	Tunnel	1923	2259105
AU	472m E	Tyre Works	1932	2182901
AM	472m S	Chalk Pit	1932 - 1938	2281142
AV	473m E	Electric Cable Works	1938	2176153
AV	473m E	Electric Cable Works	1916	2233623
AV	473m E	Printing Works	1938	2221904
AD	473m NW	Unspecified Wharf	1938	2178135
AU	474m E	Tyre Works	1946	2291549

ID	Location	Land use	Dates present	Group ID
18	474m SW	Pump House	1990	2168095
AU	474m E	Unspecified Pit	1916 - 1923	2238306
AD	475m NW	Unspecified Wharf	1932	2233903
AG	476m E	Unspecified Heap	1865	2137199
AE	476m NW	Unspecified Tanks	1888	2175225
AE	476m W	Railway Sidings	1898	2214748
AE	476m W	Railway Sidings	1898	2264451
AU	476m E	Unspecified Works	1955	2160150
AE	477m NW	Unspecified Tanks	1895	2211867
AE	478m W	Unspecified Tanks	1888	2199678
AT	478m SW	Old Chalk Pit	1946	2165646
AV	478m E	Electric Cable Works	1907	2241347
AU	479m E	Unspecified Pit	1907	2249288
AE	479m W	Unspecified Tanks	1895 - 1898	2216730
AE	480m NW	Unspecified Tanks	1923	2283061
AE	480m NW	Tramway Sidings	1946	2268642
AV	480m E	Electric Cable Works	1923	2195494
AE	480m W	Railway Sidings	1923	2291062
AO	481m S	Refuse Heap	1966	2200866
AE	481m NW	Unspecified Tanks	1898	2182105
AE	481m NW	Unspecified Tanks	1898	2188352
AE	481m W	Tunnel	1932 - 1946	2223839
AE	481m W	Unspecified Tanks	1923	2228776
AW	482m S	Cuttings	1938	2179832
AE	482m NW	Unspecified Tanks	1907	2228774
AE	482m W	Tunnel	1938	2246210
AE	483m W	Tunnel	1907 - 1916	2258760
AE	483m NW	Unspecified Tank	1938	2155383



ID	Location	Land use	Dates present	Group ID
AE	484m W	Unspecified Tanks	1907	2254171
AE	484m NW	Unspecified Tanks	1938	2206761
AE	484m NW	Tanks	1916	2162275
AE	485m W	Railway Sidings	1895	2203719
AE	485m NW	Unspecified Tanks	1923	2221188
AT	486m SW	Unspecified Pit	1966	2126196
19	486m E	Engineering Works	1932 - 1938	2262564
20	487m NW	Cement Works	1898	2205395
AE	487m NW	Unspecified Tanks	1907	2172383
AE	487m W	Tunnel	1938	2224324
AW	487m S	Cuttings	1938	2217009
AW	488m S	Cuttings	1898	2294425
AE	489m NW	Unspecified Tank	1938	2155381
AE	489m W	Unspecified Tank	1938	2155363
AE	490m NW	Unspecified Tanks	1938	2209059
AE	490m NW	Unspecified Tank	1938	2155382
AE	490m W	Unspecified Tanks	1938	2277130
AE	490m W	Tanks	1916	2162288
AE	490m NW	Tanks	1916	2162273
AE	494m W	Unspecified Quarry	1865	2145149
AE	496m W	Unspecified Ground Workings	1923	2282743
AE	497m W	Unspecified Tank	1938	2155364
AE	497m NW	Unspecified Tank	1938	2155379
AT	498m SW	Unspecified Ground Workings	1955	2134374

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

95

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 13 >](#)

ID	Location	Land use	Dates present	Group ID
B	On site	Unspecified Tank	1898	369226
B	On site	Unspecified Tank	1909	369227
B	On site	Unspecified Tank	1897 - 1909	391166
C	On site	Unspecified Tank	1985	369190
C	On site	Tanks	1985	378147
C	On site	Tanks	1960 - 1985	382860
F	On site	Unspecified Tank	1973	369229
F	On site	Unspecified Tank	1993	369230
F	On site	Tanks	1993	378183
F	On site	Tanks	1993	378184
F	On site	Tanks	1993	378185
F	On site	Unspecified Tank	1959 - 1973	381832
F	On site	Unspecified Tank	1964	407667
H	On site	Unspecified Tank	1993	369228
4	0m SW	Tanks	1993	378153
C	69m NE	Unspecified Tank	1952	387528
G	78m NW	Tanks	1897 - 1898	406759
G	82m NW	Unspecified Tank	1952	403906
G	83m NW	Unspecified Tank	1952	385078
G	84m NW	Unspecified Tank	1933 - 1939	405527
C	88m NE	Unspecified Tank	1952	397618



ID	Location	Land use	Dates present	Group ID
C	88m NE	Unspecified Tank	1972	369196
U	98m S	Unspecified Tank	1865	369231
O	107m SW	Unspecified Tank	1980 - 1994	409391
G	112m NW	Unspecified Tank	1897	369195
G	116m NW	Unspecified Tank	1898	369194
C	125m E	Unspecified Tank	1973	369197
G	147m NW	Unspecified Tank	1972	369191
G	163m W	Tanks	1980 - 1994	386124
G	168m NW	Unspecified Tank	1972	369192
G	175m NW	Unspecified Tank	1897 - 1909	410620
Y	205m E	Unspecified Tank	1952	384244
G	227m NW	Tanks	1898 - 1909	380616
G	242m NW	Tanks	1898 - 1972	409855
G	244m NW	Tanks	1972	378197
G	247m NW	Tanks	1972	378196
X	256m E	Unspecified Tank	1985	369189
X	291m E	Unspecified Tank	1909	396103
X	298m E	Unspecified Tank	1933 - 1939	394287
N	303m E	Tanks	1975 - 1993	402860
N	309m E	Unspecified Tank	1975 - 1985	409783
Z	317m W	Unspecified Tank	1980 - 1994	400171
X	318m E	Unspecified Tank	1909	369180
G	323m W	Unspecified Tank	1980 - 1994	385259
N	330m SE	Unspecified Tank	1975 - 1985	401329
X	339m E	Unspecified Tank	1909 - 1939	381436
X	342m E	Tanks	1933	378148
G	349m NW	Unspecified Tank	1952	369193
Z	351m W	Unspecified Tank	1865 - 1909	383759



ID	Location	Land use	Dates present	Group ID
X	352m E	Unspecified Tank	1952	369182
G	354m NW	Unspecified Tank	1952 - 1964	383793
AC	363m W	Unspecified Tank	1865	369225
N	372m E	Unspecified Tank	1909	369179
AH	376m SW	Unspecified Tank	1897	369233
AE	386m NW	Unspecified Tank	1952	397186
AE	390m NW	Unspecified Tank	1898 - 1932	401939
AE	392m NW	Unspecified Tank	1898 - 1939	405569
AE	394m W	Unspecified Tank	1972	369198
AE	396m NW	Gas Works	1898	409673
N	398m SE	Unspecified Tank	1985	381398
N	399m SE	Unspecified Tank	1975	386616
AC	412m W	Unspecified Tank	1972 - 1980	405159
AC	413m W	Unspecified Tank	1994	392725
AC	414m W	Unspecified Tank	1932 - 1938	385333
N	418m SE	Unspecified Tank	1933	393294
N	419m SE	Unspecified Tank	1897	409453
N	428m SE	Tanks	1933	378154
AE	428m NW	Gas Works	1898 - 1909	401381
AE	433m NW	Unspecified Tank	1952 - 1964	384701
AE	433m NW	Unspecified Tank	1952	395028
AE	438m NW	Tanks	1932	378198
AE	438m NW	Gasometers	1898 - 1939	391499
AE	440m NW	Gasometer	1898	374083
AE	443m W	Unspecified Tank	1909 - 1938	394403
AE	443m W	Gasometer	1897 - 1898	400746
AE	445m NW	Gasometer	1898	374084
AC	449m W	Tanks	1970	394401



ID	Location	Land use	Dates present	Group ID
AC	449m W	Tanks	1979 - 1986	403371
AC	454m W	Unspecified Tank	1865	369224
AE	462m W	Tanks	1897 - 1909	381405
AE	462m W	Unspecified Tank	1972	369200
AE	466m W	Tanks	1898	388736
AE	468m NW	Unspecified Tank	1952 - 1964	385464
AE	468m NW	Unspecified Tank	1952	402135
AL	470m S	Unspecified Tank	1952	407279
AE	476m NW	Unspecified Tank	1972	369199
AE	480m NW	Unspecified Tanks	1907	379245
AE	481m NW	Tanks	1909	381354
AE	481m NW	Tanks	1897	410197
AE	482m W	Tanks	1897 - 1909	400621
AE	485m NW	Tanks	1898	398666
AE	487m W	Tanks	1898	404619
AE	488m NW	Unspecified Tanks	1907	379246
AU	495m E	Unspecified Tank	1933	369181
AR	498m NE	Unspecified Tank	1950	368818

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

63

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 13 >](#)



ID	Location	Land use	Dates present	Group ID
B	On site	Electricity Substation	1973 - 1993	261926
5	35m S	Electricity Substation	1952	248018
D	54m E	Electricity Substation	1952	287687
Q	82m W	Electricity Transformers	1972 - 1980	283608
Q	87m W	Electricity Substation	1994	248020
U	96m S	Electricity Substation	1993	248010
U	98m S	Electricity Transformer	1972	250859
G	102m NW	Electricity Transformers	1972	251667
G	103m NW	Electricity Transformer	1972	250878
G	108m NW	Electricity Substation	1985	248027
G	115m W	Electricity Transformer	1980	255836
G	116m W	Electricity Transformer	1972	252333
G	119m W	Electricity Transformer	1980	267602
G	120m W	Electricity Substation	1952 - 1994	273473
G	120m W	Electricity Transformer	1972	255204
G	137m W	Electricity Transformers	1972 - 1980	264662
G	138m W	Electricity Substation	1994	248024
G	161m NW	Electricity Transformers	1972	251666
G	163m W	Electricity Transformers	1972 - 1980	263528
G	164m W	Electricity Substation	1994	248025
G	174m W	Electricity Transformers	1972 - 1980	273832
G	190m W	Electricity Transformers	1980	255837
G	191m W	Electricity Transformers	1972	253897
G	199m W	Electricity Transformers	1972 - 1980	265199
G	201m W	Electricity Substation	1994	248028
G	207m W	Electricity Transformers	1980	253630
G	208m W	Electricity Transformers	1972	255203
G	209m W	Electricity Substation	1994	248015



ID	Location	Land use	Dates present	Group ID
G	210m W	Electricity Transformers	1972 - 1980	282969
G	222m W	Electricity Transformers	1980	291870
X	222m E	Power Station	1985 - 1993	270815
G	223m W	Electricity Transformers	1972	254350
X	223m E	Power Station	1975	260218
G	231m W	Electricity Substation	1994	248022
G	234m W	Electricity Transformers	1972	253054
G	236m W	Electricity Transformers	1972 - 1980	283875
G	237m W	Electricity Substation	1994	248030
G	247m W	Electricity Transformer	1972 - 1980	268682
G	259m W	Electricity Transformer	1972 - 1980	272753
G	261m W	Electricity Substation	1994	248021
X	279m E	Electricity Substation	1952	288232
N	299m SE	Electricity Substation	1985 - 1993	266845
N	299m SE	Electricity Transformers	1975	251668
G	329m W	Electricity Transformers	1980	251665
G	329m W	Electricity Transformer	1972	250880
G	330m W	Electricity Transformers	1972	251664
AB	367m S	Electricity Transformer	1972	250860
AI	383m SW	Electricity Transformer	1972 - 1980	268840
AI	385m SW	Electricity Substation	1994	248016
AE	396m NW	Gas Works	1898	260678
AN	409m E	Electricity Transformer	1975	250884
AE	410m NW	Disused Gas Works	1939	251267
AN	427m E	Electricity Substation	1985	267760
AE	428m NW	Gas Works	1898 - 1909	262911
AN	429m E	Electricity Substation	1993 - 1995	275831
AE	438m NW	Gasometers	1898 - 1939	279285

ID	Location	Land use	Dates present	Group ID
AE	439m NW	Gasometer	1898	251565
AE	443m W	Gasometer	1897 - 1898	288350
AE	445m NW	Gasometer	1898	251566
T	445m SW	Electricity Substation	1972	248009
16	459m S	Electricity Transformer	1972	250858
AL	467m S	Electricity Transformer	1972	250856
AL	474m S	Electricity Transformer	1972	250857

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	6
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 13 >](#)

ID	Location	Land use	Dates present	Group ID
6	37m E	Garage	1952	84956
7	61m SW	Garage	1952 - 1964	80086
AB	346m S	Garage	1952	85649
AO	421m S	Garage	1952	76809

ID	Location	Land use	Dates present	Group ID
AO	422m S	Garage	1972	75549
AO	422m S	Garage	1952	78122

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

2.1 Historical industrial land uses

Records within 500m

861

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 45](#) >

ID	Location	Land Use	Date	Group ID
1	On site	Tramway Sidings	1938	2259493
2	On site	Mineral Railway Sidings	1966	2240800
A	On site	Brick Works	1895	2173447

ID	Location	Land Use	Date	Group ID
A	On site	Railway Sidings	1895	2202854
A	On site	Brick Works	1923	2178411
A	On site	Brick Works	1923	2265241
A	On site	Unspecified Ground Workings	1946	2134370
A	On site	Brick Works	1907	2178411
A	On site	Railway Sidings	1907	2212158
A	On site	Railway Sidings	1895	2284631
A	On site	Brick Works	1895	2178411
A	On site	Railway Sidings	1865	2219488
A	On site	Brick Works	1916	2178411
A	On site	Tramway Sidings	1916	2272871
A	On site	Railway Sidings	1888	2180279
A	On site	Unspecified Tank	1888	2155360
A	On site	Brick Works	1888	2178411
A	On site	Railway Sidings	1898	2193616
A	On site	Brick Works	1898	2178411
A	On site	Railway Sidings	1898	2279934
A	On site	Brick Works	1898	2178411
A	On site	Unspecified Heap	1955	2137192
A	On site	Paper Mill	1990	2163242
A	On site	Unspecified Mills	1977	2206547
A	On site	Unspecified Mills	1971	2206547
A	On site	Unspecified Commercial/Industrial	1966	2131133
B	On site	Unspecified Foundry	1895	2257006
B	On site	Tramway Sidings	1923	2289529
B	On site	Unspecified Wharf	1865	2261188
B	On site	Unspecified Wharf	1955	2203811
B	On site	Unspecified Foundry	1888	2257006

ID	Location	Land Use	Date	Group ID
B	On site	Unspecified Wharves	1888	2225973
B	On site	Unspecified Wharves	1898	2194823
B	On site	Unspecified Wharves	1898	2194823
B	On site	Railway Sidings	1938	2235239
B	On site	Unspecified Wharves	1938	2267097
B	On site	Railway Sidings	1938	2182970
B	On site	Cement Works	1938	2264284
B	On site	Unspecified Wharves	1938	2267097
B	On site	Unspecified Wharves	1938	2267097
B	On site	Unspecified Wharves	1938	2267097
C	On site	Disused Dockyard	1895	2206513
C	On site	Old Dock	1895	2202877
C	On site	Old Dock	1923	2257119
C	On site	Disused Dock	1923	2164754
C	On site	Paper Mill	1946	2187262
C	On site	Tramway Sidings	1946	2295288
C	On site	Tramway Sidings	1932	2183788
C	On site	Paper Mill	1932	2260367
C	On site	Disused Dockyard	1907	2290228
C	On site	Old Dock	1907	2236667
C	On site	Unspecified Foundry	1895	2140137
C	On site	Disused Dockyard	1895	2175883
C	On site	Old Dock	1895	2276300
C	On site	Unspecified Factory	1865	2151044
C	On site	Dock Yard	1865	2135653
C	On site	Disused Dockyard	1916	2188060
C	On site	Old Dock	1916	2257119
C	On site	Unspecified Heap	1916	2137179



ID	Location	Land Use	Date	Group ID
C	On site	Old Dock	1888	2182299
C	On site	Disused Dockyard	1888	2176821
C	On site	Unspecified Foundry	1898	2238796
C	On site	Disused Dockyard	1898	2288867
C	On site	Old Dock	1898	2276300
C	On site	Unspecified Foundry	1898	2238796
C	On site	Disused Dockyard	1898	2288867
C	On site	Old Dock	1898	2276300
C	On site	Unspecified Mills	1955	2139422
C	On site	Mineral Railway Sidings	1955	2240800
C	On site	Unspecified Ground Workings	1955	2134371
C	On site	Paper Mill	1938	2260367
C	On site	Unspecified Tanks	1990	2218498
C	On site	Unspecified Warehouse	1990	2138636
C	On site	Unspecified Tanks	1977	2218498
C	On site	Unspecified Mill	1977	2273577
C	On site	Railway Sidings	1977	2275768
C	On site	Unspecified Tanks	1971	2218498
C	On site	Unspecified Mill	1971	2273577
C	On site	Railway Sidings	1971	2256057
C	On site	Unspecified Mill	1966	2273577
C	On site	Unspecified Tanks	1966	2218498
D	On site	Disused Cement Works	1946	2263565
E	On site	Unspecified Ground Workings	1946	2292333
E	On site	Unspecified Heap	1895	2250110
E	On site	Unspecified Heap	1865	2137193
E	On site	Unspecified Ground Workings	1888	2195293
E	On site	Unspecified Ground Workings	1898	2202804

ID	Location	Land Use	Date	Group ID
E	On site	Unspecified Ground Workings	1898	2202804
E	On site	Unspecified Heap	1938	2291476
E	On site	Unspecified Heap	1938	2237069
E	On site	Unspecified Heap	1955	2284324
E	On site	Unspecified Heap	1938	2291476
F	On site	Unspecified Ground Workings	1932	2202051
F	On site	Railway Sidings	1865	2254252
G	On site	Rifle Range	1865	2164820
G	On site	Unspecified Heap	1865	2137194
G	On site	Unspecified Tanks	1990	2218516
G	On site	Unspecified Tanks	1977	2236011
G	On site	Unspecified Tanks	1971	2236011
G	On site	Unspecified Tank	1966	2155361
H	On site	Unspecified Ground Workings	1916	2271894
H	On site	Unspecified Ground Workings	1938	2230096
H	On site	Unspecified Ground Workings	1938	2277015
I	On site	Smithy	1888	2262861
I	On site	Smithy	1898	2265865
I	On site	Smithy	1898	2265865
I	On site	Unspecified Pit	1955	2200393
I	On site	Unspecified Pit	1977	2200393
I	On site	Unspecified Pit	1971	2200393
I	On site	Unspecified Pit	1966	2200393
J	On site	Unspecified Tank	1990	2253261
J	On site	Unspecified Tank	1977	2253261
J	On site	Unspecified Tank	1971	2253261
J	On site	Unspecified Tank	1966	2253261
C	1m NE	Cuttings	1865	2129957



ID	Location	Land Use	Date	Group ID
B	2m N	Unspecified Works	1990	2245584
B	2m N	Unspecified Works	1977	2249897
B	2m N	Unspecified Works	1971	2224509
C	3m NE	Unspecified Wharf	1955	2258935
B	3m N	Portland Cement Works	1938	2142882
B	3m N	Cement Works	1916	2201048
B	6m N	Unspecified Wharf	1966	2203811
B	8m N	Unspecified Wharves	1907	2235374
I	8m SW	Smithy	1895	2167463
B	11m N	Unspecified Wharves	1946	2203805
I	12m SW	Smithy	1895	2167464
B	12m N	Unspecified Tank	1865	2155385
B	12m N	Unspecified Wharves	1932	2230920
B	13m SW	Railway Sidings	1971	2198214
I	13m SW	Tunnel	1971	2204151
I	13m SW	Tunnel	1990	2206369
B	13m SW	Railway Sidings	1990	2189766
B	14m N	Cement Works	1907	2212428
B	14m N	Cement Works	1895	2199577
E	16m SE	Lime Kilns	1865	2137927
B	21m SW	Unspecified Commercial/Industrial	1938	2189289
K	21m SW	Tunnels	1865	2164893
B	22m N	Cement Works	1895	2199361
B	22m SW	Tramway Sidings	1932	2172445
B	22m SW	Unspecified Commercial/Industrial	1932	2189289
K	22m SW	Tunnels	1865	2164895
B	23m SW	Railway Sidings	1907	2233255
B	23m SW	Railway Sidings	1895	2273890



ID	Location	Land Use	Date	Group ID
E	23m SE	Unspecified Heap	1865	2137191
B	24m SW	Unspecified Works	1990	2226028
B	24m SW	Unspecified Works	1977	2276056
B	26m N	Unspecified Wharves	1923	2140515
C	26m NE	Chimney	1971	2238457
C	27m NE	Unspecified Ground Workings	1907	2227237
C	27m NE	Unspecified Ground Workings	1895	2274503
C	28m NE	Unspecified Ground Workings	1888	2201011
B	29m SW	Cement Works	1898	2199361
B	29m SW	Cement Works	1898	2199361
B	30m SW	Cement Works	1923	2222770
B	30m SW	Tramway Sidings	1923	2200679
B	31m SW	Railway Sidings	1888	2211643
B	31m SW	Cement Works	1888	2207749
C	31m NE	Unspecified Ground Workings	1898	2273898
C	31m NE	Unspecified Ground Workings	1898	2273898
C	32m NE	Unspecified Ground Workings	1895	2244711
B	33m SW	Tramway Sidings	1946	2217156
C	36m NE	Unspecified Ground Workings	1916	2186884
B	36m SW	Railway Sidings	1898	2232282
B	36m SW	Railway Sidings	1898	2232282
B	38m SW	Tramway Sidings	1916	2281823
C	40m E	Unspecified Tank	1946	2155352
L	42m E	Unspecified Heap	1938	2190527
L	42m E	Unspecified Heap	1938	2190527
L	44m E	Unspecified Ground Workings	1938	2243098
L	44m E	Unspecified Heap	1938	2247467
L	44m E	Unspecified Heap	1938	2247467



ID	Location	Land Use	Date	Group ID
L	45m E	Unspecified Ground Workings	1946	2218651
L	45m E	Unspecified Heap	1932	2247467
L	45m E	Unspecified Heap	1907	2171451
L	45m E	Unspecified Heap	1895	2284571
L	47m E	Unspecified Ground Workings	1916	2226673
B	47m SW	Railway Sidings	1895	2182495
L	49m SE	Unspecified Heap	1865	2137190
L	49m E	Unspecified Ground Workings	1898	2255009
L	49m E	Unspecified Ground Workings	1898	2255009
L	50m E	Unspecified Heap	1955	2228430
M	51m W	Unspecified Heap	1888	2290781
L	51m E	Unspecified Ground Workings	1895	2279092
L	51m E	Unspecified Ground Workings	1865	2181299
L	55m E	Unspecified Heap	1923	2278695
M	57m W	Unspecified Heap	1898	2191624
M	57m W	Unspecified Heap	1898	2191624
M	60m W	Unspecified Heap	1938	2242810
M	60m W	Unspecified Heap	1938	2242810
M	60m W	Unspecified Heap	1938	2242810
M	61m W	Unspecified Heap	1916	2261428
M	61m W	Unspecified Heap	1946	2264641
M	61m W	Unspecified Heap	1932	2214003
M	61m W	Unspecified Heap	1907	2191624
M	61m W	Unspecified Heap	1895	2191624
M	61m W	Unspecified Heap	1938	2247659
M	61m W	Unspecified Heap	1938	2247659
D	62m E	Railway Sidings	1971	2196674
O	62m E	Unspecified Works	1977	2282059



ID	Location	Land Use	Date	Group ID
O	62m E	Unspecified Works	1971	2282059
B	63m W	Railway Sidings	1977	2247460
L	64m E	Unspecified Ground Workings	1888	2279092
M	64m W	Unspecified Heap	1895	2251794
F	64m S	Unspecified Heap	1955	2257578
F	64m S	Unspecified Heap	1946	2256100
P	65m SW	Grave Yard	1865	2145773
C	67m NE	Unspecified Wharf	1990	2269518
C	67m NE	Unspecified Wharf	1977	2269518
C	67m NE	Unspecified Wharf	1971	2269518
C	67m NE	Unspecified Wharf	1966	2269518
F	67m S	Unspecified Heap	1938	2238615
F	69m S	Unspecified Heap	1938	2258960
F	69m S	Unspecified Heap	1938	2258960
F	74m S	Unspecified Heap	1888	2194788
B	75m N	Unspecified Wharves	1888	2257888
B	75m N	Unspecified Wharves	1895	2256295
B	79m N	Unspecified Wharves	1898	2269488
B	79m N	Unspecified Wharves	1898	2269488
B	80m N	Unspecified Wharf	1955	2251318
B	81m NW	Unspecified Tank	1932	2231785
B	81m NW	Unspecified Tank	1907	2243257
Q	82m SW	Chalk Pit	1938	2201799
Q	83m SW	Burial Ground	1977	2242377
Q	83m SW	Unspecified Disused Pit	1990	2185472
Q	83m SW	Unspecified Disused Pit	1977	2185472
B	83m N	Wharves	1916	2143216
B	83m NW	Railway Sidings	1938	2262245



ID	Location	Land Use	Date	Group ID
B	83m N	Railway Sidings	1938	2216955
B	83m N	Unspecified Wharves	1938	2224983
B	83m N	Unspecified Wharves	1938	2224983
Q	83m SW	Chalk Pit	1916	2206811
B	84m NW	Unspecified Tank	1946	2226120
B	84m NW	Unspecified Tank	1938	2178127
Q	84m SW	Chalk Pit	1898	2264989
Q	84m SW	Chalk Pit	1898	2264989
B	85m NW	Unspecified Tank	1955	2222567
Q	85m SW	Tramway Sidings	1907	2269038
Q	85m SW	Chalk Pit	1907	2228865
Q	86m SW	Chalk Pit	1938	2226835
Q	86m SW	Old Chalk Pit	1938	2169483
Q	86m SW	Burial Ground	1955	2214742
Q	86m SW	Burial Ground	1966	2214742
Q	87m SW	Chalk Pit	1923	2255946
Q	88m SW	Chalk Pit	1895	2264989
C	88m E	Unspecified Pit	1865	2126206
Q	89m SW	Tramway Sidings	1946	2210284
Q	89m SW	Old Chalk Pit	1946	2169483
C	90m NE	Chimney	1966	2261280
D	92m SE	Unspecified Works	1990	2202868
Q	92m SW	Chalk Pit	1895	2265909
Q	93m SW	Old Chalk Pit	1932	2195684
S	95m SW	Railway Sidings	1895	2234406
T	95m SW	Tramway Sidings	1938	2193577
Q	99m SW	Chalk Pit	1888	2260049
S	99m SW	Railway Sidings	1888	2229381



ID	Location	Land Use	Date	Group ID
V	99m SW	Tramway Sidings	1932	2210284
Q	100m SW	Tramway Sidings	1938	2210284
D	101m SE	Unspecified Heap	1955	2203412
Q	101m SW	Tramway Sidings	1938	2210284
B	102m W	Mineral Railway Sidings	1966	2164032
S	102m SW	Railway Sidings	1898	2196400
S	102m SW	Railway Sidings	1898	2239648
Q	105m SW	Tramway Sidings	1916	2216135
B	108m NW	Unspecified Wharves	1888	2228901
Q	111m SW	Mineral Railway Sidings	1966	2164033
Q	114m SW	Tramway Sidings	1923	2210284
C	118m E	Unspecified Pit	1865	2126205
B	120m NW	Unspecified Ground Workings	1955	2193520
B	120m NW	Unspecified Ground Workings	1966	2193520
B	122m NW	Unspecified Ground Workings	1932	2214691
B	123m NW	Unspecified Heap	1938	2281542
B	123m NW	Unspecified Heap	1938	2281542
B	126m NW	Unspecified Wharves	1938	2188799
B	126m NW	Unspecified Wharves	1938	2188799
W	128m SE	Unspecified Heap	1946	2226084
X	132m W	Old Chalk Pit	1888	2201073
X	132m W	Old Chalk Pit	1895	2194464
B	133m NW	Unspecified Ground Workings	1938	2251848
B	133m NW	Unspecified Ground Workings	1938	2251848
D	133m SE	Unspecified Ground Workings	1888	2240550
B	133m NW	Chimney	1990	2214577
B	133m NW	Chimney	1977	2214577
B	133m NW	Unspecified Tank	1971	2155384



ID	Location	Land Use	Date	Group ID
W	134m SE	Unspecified Heap	1955	2226084
X	135m W	Unspecified Disused Pit	1990	2214208
X	135m W	Unspecified Disused Pit	1977	2214208
X	135m W	Old Chalk Pit	1898	2174323
X	135m W	Old Chalk Pit	1898	2174323
X	137m W	Unspecified Pit	1923	2275681
X	138m W	Unspecified Pit	1955	2175080
X	138m W	Unspecified Pit	1966	2175080
X	144m W	Old Chalk Pit	1895	2201073
B	145m W	Unspecified Ground Workings	1865	2134372
B	148m W	Unspecified Pit	1955	2248034
B	148m W	Unspecified Pit	1966	2248034
B	155m NW	Unspecified Wharves	1898	2173374
B	155m NW	Unspecified Wharves	1898	2173374
D	156m SE	Unspecified Ground Workings	1895	2240550
B	159m W	Railway Sidings	1895	2221164
B	159m NW	Unspecified Wharves	1932	2233409
B	159m W	Unspecified Commercial/Industrial	1946	2177592
D	161m SE	Unspecified Ground Workings	1932	2224506
B	163m W	Railway Sidings	1888	2212090
B	164m NW	Unspecified Wharf	1865	2288737
B	164m NW	Tramway Sidings	1865	2229224
B	170m W	Railway Sidings	1898	2231608
B	170m W	Railway Sidings	1898	2232469
B	179m W	Cement Works	1923	2222770
B	179m W	Unspecified Heaps	1955	2268760
B	179m W	Unspecified Heaps	1966	2268760
B	181m W	Cement Works	1888	2199361

ID	Location	Land Use	Date	Group ID
B	182m W	Tunnel	1971	2151567
B	183m W	Cement Works	1938	2260164
B	184m NW	Unspecified Wharves	1946	2213252
B	185m W	Cement Works	1898	2199361
B	185m W	Cement Works	1898	2199361
5	189m NW	Unspecified Wharf	1895	2270164
B	190m NW	Tramway Sidings	1865	2178519
B	193m W	Railway Sidings	1888	2190216
B	194m NW	Unspecified Works	1955	2196647
B	194m NW	Unspecified Works	1966	2196647
B	196m W	Brick Works	1895	2213430
D	197m SE	Unspecified Pit	1865	2126202
B	198m W	Railway Sidings	1898	2200731
B	198m W	Railway Sidings	1898	2200731
B	199m NW	Brick Works	1895	2211016
B	199m NW	Cement Works	1907	2271974
D	199m SE	Unspecified Heap	1938	2200919
D	199m SE	Unspecified Heap	1938	2262977
D	199m SE	Unspecified Heap	1938	2262977
Y	201m E	Cement Works	1916	2172745
D	203m SE	Unspecified Ground Workings	1898	2236289
D	203m SE	Unspecified Ground Workings	1898	2265691
B	203m W	Railway Sidings	1895	2200731
D	203m SE	Unspecified Heap	1946	2284826
D	203m SE	Unspecified Heap	1895	2274163
Y	204m E	Cement Works	1907	2178945
D	206m SE	Unspecified Heap	1907	2277284
B	207m NW	Chimney	1990	2276814



ID	Location	Land Use	Date	Group ID
B	207m NW	Chimney	1977	2276814
B	207m NW	Unspecified Tank	1971	2155386
B	207m W	Unspecified Ground Workings	1865	2134373
Y	208m E	Cement Works	1923	2261569
D	210m SE	Unspecified Heap	1923	2200919
B	211m W	Unspecified Pit	1895	2126199
O	213m E	White Lead Works	1895	2178157
B	217m W	Gravel Pit	1966	2139095
B	217m W	Refuse Heap	1955	2213837
Y	218m E	Power Station	1977	2196236
O	220m E	Whiting Works	1916	2239701
O	220m E	Whiting Works	1938	2183039
O	220m E	Whiting Works	1938	2217810
Y	220m E	Unspecified Works	1971	2289828
Y	220m E	Unspecified Works	1966	2289828
O	221m E	Disused Cement Works	1932	2171407
O	222m E	Disused Cement Works	1938	2263565
B	222m NW	Gas Works	1895	2135574
O	223m E	Lead Works	1898	2173024
O	223m E	Lead Works	1898	2173024
O	223m E	Railway Sidings	1865	2180092
O	226m E	Unspecified Commercial/Industrial	1907	2241032
O	226m E	White Lead Works	1895	2284295
O	227m E	White Lead Works	1888	2284295
B	227m NW	Unspecified Wharves	1938	2256480
B	227m NW	Unspecified Wharves	1938	2256480
Y	227m E	Railway Sidings	1907	2278942
B	228m NW	Unspecified Wharves	1932	2256480



ID	Location	Land Use	Date	Group ID
O	228m E	Lime Kilns	1865	2137925
B	229m NW	Railway Sidings	1938	2231939
B	229m NW	Railway Sidings	1938	2293485
B	229m NW	Railway Sidings	1916	2253026
B	234m W	Unspecified Heap	1907	2225807
B	234m W	Unspecified Heap	1895	2225807
O	234m E	Railway Sidings	1916	2207145
B	236m W	Unspecified Ground Workings and Heap	1888	2138421
O	236m E	Whiting Works	1923	2182525
B	237m W	Unspecified Heap	1898	2225807
B	237m W	Unspecified Heap	1898	2225807
B	237m W	Unspecified Heap	1916	2224608
B	238m NW	Unspecified Tanks	1990	2203595
B	238m NW	Unspecified Tanks	1977	2203595
B	238m NW	Unspecified Tanks	1971	2203595
B	239m W	Unspecified Heap	1938	2198347
B	239m W	Unspecified Heap	1938	2198347
B	240m W	Unspecified Heap	1938	2177199
Y	240m E	Power Station	1990	2196236
B	240m W	Refuse Heap	1907	2283287
B	242m W	Unspecified Heap	1946	2260825
B	242m W	Unspecified Ground Workings	1932	2260766
B	243m W	Unspecified Ground Workings	1938	2283864
B	243m W	Unspecified Ground Workings	1938	2283864
B	245m W	Unspecified Heap	1895	2284148
6	245m S	Barrack Field	1865	2162777
B	246m W	Refuse Heap	1895	2266317
B	246m W	Unspecified Heap	1946	2198347



ID	Location	Land Use	Date	Group ID
B	249m W	Refuse Heap	1898	2185867
B	249m W	Refuse Heap	1898	2185867
Y	249m E	Cement Works	1923	2276410
B	251m NW	Unspecified Ground Workings	1865	2278654
B	252m NW	Unspecified Ground Workings	1888	2289276
B	252m NW	Unspecified Heap	1895	2231545
B	255m W	Unspecified Heap	1865	2137189
B	256m NW	Unspecified Ground Workings	1898	2260961
B	256m NW	Unspecified Ground Workings	1898	2260961
B	258m W	Unspecified Heap	1955	2273343
B	258m W	Unspecified Heap	1966	2273343
B	258m W	Refuse Heap	1895	2266317
O	258m E	Unspecified Ground Workings	1932	2290262
B	258m NW	Unspecified Heap	1923	2285804
O	260m E	Unspecified Pit	1946	2126201
B	260m NW	Unspecified Heaps	1907	2160807
B	262m NW	Railway Sidings	1888	2287501
O	262m E	Unspecified Ground Workings	1938	2271529
O	262m E	Unspecified Ground Workings	1938	2271529
B	262m NW	Unspecified Ground Workings	1916	2187722
B	265m NW	Unspecified Ground Workings	1895	2278654
B	266m NW	Unspecified Tanks	1888	2270541
B	266m NW	Railway Sidings	1898	2203069
B	266m NW	Railway Sidings	1898	2182140
B	267m NW	Railway Sidings	1955	2208314
B	267m NW	Unspecified Tanks	1895	2270541
B	268m NW	Unspecified Tanks	1923	2269182
B	270m NW	Unspecified Tanks	1898	2270541



ID	Location	Land Use	Date	Group ID
B	270m NW	Unspecified Tanks	1898	2270541
B	270m NW	Unspecified Tanks	1907	2193341
O	272m E	Railway Sidings	1895	2268619
B	274m NW	Unspecified Heap	1946	2244889
B	274m NW	Unspecified Heap	1938	2244889
B	274m NW	Unspecified Heap	1938	2244889
B	274m NW	Railway Sidings	1966	2239807
B	274m NW	Tanks	1916	2162274
B	275m NW	Unspecified Heap	1932	2247677
B	276m NW	Unspecified Ground Workings	1946	2248616
B	277m NW	Unspecified Heap	1955	2219062
B	277m NW	Unspecified Heap	1966	2219062
B	277m NW	Unspecified Tanks	1895	2270541
Y	278m E	Railway Sidings	1895	2178142
O	280m SE	Tramway Sidings	1932	2270302
O	282m E	Railway Sidings	1898	2249046
O	282m E	Railway Sidings	1898	2249046
Y	284m E	Disused Cement Works	1938	2258554
O	286m E	Railway Sidings	1888	2230386
Y	289m E	Unspecified Tank	1946	2272305
Y	290m E	Tank	1916	2140334
O	290m E	Tramway Sidings	1923	2209466
Y	294m E	Unspecified Tank	1932	2223889
Y	294m E	Unspecified Tank	1907	2264045
Y	295m E	Unspecified Works	1971	2223965
Y	295m E	Unspecified Works	1966	2223965
Y	296m E	Unspecified Tank	1938	2243937
B	296m W	Unspecified Heaps	1865	2160806

ID	Location	Land Use	Date	Group ID
Y	297m E	Unspecified Tank	1923	2223889
O	301m E	Unspecified Works	1990	2202868
V	305m SW	Cuttings	1955	2250541
V	305m SW	Cuttings	1966	2250541
Y	305m E	Disused Cement Works	1932	2174372
Y	306m E	Disused Cement Works	1946	2248542
Z	306m SW	Burial Ground	1977	2276672
Z	306m SW	Burial Ground	1971	2276672
B	307m NW	Unspecified Pit	1923	2287279
B	308m NW	Unspecified Pit	1907	2266377
7	310m SE	Unspecified Heap	1955	2137198
O	310m E	Unspecified Tanks	1990	2220603
O	310m E	Unspecified Tanks	1977	2186359
B	313m NW	Unspecified Pit	1916	2287279
O	315m E	Whiting Works	1895	2224774
AB	321m E	Unspecified Wharf	1895	2189541
AB	322m E	Unspecified Wharves	1938	2267802
AB	322m E	Unspecified Wharves	1938	2267802
AB	323m E	Unspecified Wharf	1946	2184902
AB	323m E	Unspecified Wharf	1895	2197099
O	324m E	Unspecified Commercial/Industrial	1916	2241032
AB	326m E	Unspecified Wharf	1888	2188208
O	330m E	Whiting Works	1907	2182525
O	330m E	Whiting Works	1895	2224774
AB	331m E	Railway Building	1895	2150385
AB	336m E	Unspecified Wharf	1898	2197099
AB	336m E	Unspecified Wharf	1898	2197099
Y	337m E	Tank	1916	2140336

ID	Location	Land Use	Date	Group ID
Y	338m E	Unspecified Tank	1946	2192348
Y	338m E	Unspecified Tanks	1932	2207974
Y	338m E	Unspecified Tanks	1938	2207974
Y	338m E	Unspecified Tank	1938	2198996
Y	339m E	Unspecified Pit	1895	2196465
Y	341m E	Unspecified Pit	1865	2246996
Y	342m E	Unspecified Tank	1955	2257393
Y	343m E	Unspecified Tank	1932	2268628
Y	343m E	Unspecified Tank	1907	2216981
AB	344m E	Railway Sidings	1865	2277546
Y	344m E	Unspecified Tank	1923	2263596
Y	345m E	Unspecified Pit	1898	2291256
Y	345m E	Unspecified Pit	1898	2291256
O	347m E	Whiting Works	1898	2253968
O	347m E	Whiting Works	1898	2253968
O	349m E	Railway Sidings	1938	2292502
B	349m W	Unspecified Heap	1932	2280363
Y	349m E	Unspecified Pit	1895	2193764
O	350m E	Whiting Works	1888	2208554
Y	350m E	Unspecified Pit	1888	2193764
B	350m W	Unspecified Heap	1938	2258662
B	350m W	Unspecified Heap	1938	2258662
B	352m W	Unspecified Ground Workings	1916	2253710
AB	356m E	Chimney	1990	2253934
AB	356m E	Chimney	1977	2253934
AB	356m E	Chimney	1971	2253934
AB	356m E	Chimney	1966	2253934
B	368m NW	Railway Sidings	1938	2194554



ID	Location	Land Use	Date	Group ID
AE	368m NW	Unspecified Works	1990	2267204
AE	368m NW	Unspecified Works	1977	2267204
B	368m NW	Unspecified Wharf	1895	2174813
AB	368m E	Unspecified Wharf	1932	2239534
B	368m NW	Railway Sidings	1938	2194554
B	369m NW	Unspecified Wharf	1946	2227580
B	369m NW	Unspecified Wharf	1932	2267120
O	369m E	Tank	1916	2140335
AB	369m E	Quay	1865	2139307
AF	370m SE	Chalk Pit	1938	2286029
AG	371m E	Old Chalk Pit	1895	2250767
B	373m NW	Refuse Heap	1938	2281695
B	373m NW	Refuse Heap	1938	2281695
B	374m NW	Refuse Heap	1946	2290801
O	374m E	Unspecified Tank	1907	2155355
AG	378m E	Unspecified Works	1955	2270972
B	379m W	Cement Works	1938	2245417
AB	380m E	Unspecified Wharf	1895	2282260
B	380m NW	Unspecified Wharf	1888	2250458
AG	380m E	Unspecified Ground Workings	1907	2280390
AG	380m E	Old Chalk Pit	1895	2287516
B	381m NW	Unspecified Wharf	1895	2182716
AD	381m W	Unspecified Tank	1938	2155300
B	381m W	Cement Works	1916	2198904
AG	382m E	Old Chalk Pit	1898	2234948
AG	382m E	Old Chalk Pit	1898	2234948
B	382m W	Unspecified Pit	1865	2126200
AG	382m E	Chalk Pit	1888	2157766



ID	Location	Land Use	Date	Group ID
V	383m SW	Tunnel	1990	2218238
V	383m SW	Tunnel	1977	2218238
AD	384m W	Unspecified Quarry	1888	2270926
AD	384m W	Tramway Sidings	1888	2189056
B	384m NW	Unspecified Wharf	1865	2250458
B	385m NW	Gas Works	1907	2197699
B	385m NW	Gas Works	1895	2197699
B	386m NW	Cement Works	1923	2227374
B	386m NW	Unspecified Wharf	1898	2227582
B	386m NW	Unspecified Wharf	1898	2227582
B	386m NW	Unspecified Tank	1966	2205104
AD	387m W	Quarry	1916	2143070
AF	387m SE	Old Chalk Pit	1932	2272466
B	387m NW	Unspecified Tank	1946	2264603
V	387m SW	Tunnel	1946	2259364
B	388m NW	Unspecified Tank	1932	2269509
AI	388m SE	Old Chalk Pit	1895	2291323
AF	388m SE	Unspecified Pit	1966	2254534
V	388m SW	Tunnel	1938	2259364
AF	389m SE	Old Chalk Pit	1946	2274267
AF	389m SE	Unspecified Pit	1955	2254534
AJ	389m SE	Disused Workings	1990	2144633
AJ	389m SE	Unspecified Pit	1990	2241389
AJ	389m SE	Unspecified Pit	1977	2241389
AJ	389m SE	Unspecified Pit	1971	2241389
V	389m SW	Tunnel	1932	2237676
V	389m SW	Tramway Sidings	1946	2210284
AD	389m W	Unspecified Quarry	1938	2212291



ID	Location	Land Use	Date	Group ID
AD	390m W	Unspecified Quarry	1898	2290194
AD	390m W	Unspecified Quarry	1898	2290194
AF	390m SE	Old Chalk Pit	1938	2274267
B	390m NW	Gas Works	1923	2197699
AD	390m W	Unspecified Quarry	1923	2222565
B	390m NW	Portland Cement Works	1938	2142881
B	391m NW	Unspecified Commercial/Industrial	1990	2131137
B	391m NW	Unspecified Works	1977	2285621
B	391m NW	Unspecified Works	1971	2285621
AD	391m W	Railway Sidings	1907	2272832
AD	391m W	Railway Sidings	1895	2272832
AD	391m W	Unspecified Old Quarry	1946	2240083
AD	391m W	Unspecified Old Quarry	1932	2204295
AD	391m W	Unspecified Quarry	1907	2290194
AD	391m W	Unspecified Quarry	1895	2290194
AD	392m W	Unspecified Quarry	1990	2180631
AD	392m W	Unspecified Old Quarry	1938	2219695
B	392m NW	Cement Works	1907	2198904
B	392m NW	Railway Sidings	1895	2201192
B	392m NW	Cement Works	1895	2190489
B	392m NW	Cement Works	1938	2255887
AD	393m W	Tramway Sidings	1923	2270090
B	393m NW	Cement Works	1932	2259850
AD	393m W	Unspecified Tank	1946	2155299
B	394m W	Unspecified Tank	1990	2178010
B	394m W	Unspecified Tank	1977	2178010
B	394m W	Unspecified Tank	1971	2178010
B	394m NW	Cement Works	1946	2269578

ID	Location	Land Use	Date	Group ID
AI	394m SE	Unspecified Works	1990	2227273
AD	394m W	Unspecified Ground Workings	1955	2134375
AD	394m W	Unspecified Pit	1966	2234234
AD	394m W	Unspecified Quarry	1938	2230336
B	395m NW	Brick Works	1898	2267552
B	395m NW	Brick Works	1898	2267552
B	396m NW	Railway Sidings	1888	2206474
AD	396m W	Unspecified Tank	1932	2155298
AI	396m SE	Old Chalk Pit	1898	2283604
AI	396m SE	Old Chalk Pit	1898	2283604
AF	396m SE	Chalk Pit	1916	2291806
B	397m NW	Gas Works	1916	2197699
O	397m E	Unspecified Pit	1971	2126194
V	399m SW	Cuttings	1907	2192325
V	399m SW	Cuttings	1895	2238165
B	399m NW	Tramway Sidings	1946	2244792
AI	400m SE	Old Chalk Pit	1888	2283604
B	400m NW	Railway Sidings	1898	2284790
B	400m NW	Railway Sidings	1898	2284790
B	400m NW	Tramway Sidings	1923	2280216
AK	400m SW	Cuttings	1938	2237041
AI	400m SE	Old Chalk Pit	1895	2283604
V	401m SW	Cuttings	1938	2251327
AD	401m W	Tramway Sidings	1895	2189056
AD	401m W	Unspecified Quarry	1895	2222667
V	401m SW	Cuttings	1895	2271612
B	401m W	Brick Works	1888	2266509
B	402m NW	Railway Sidings	1907	2256771



ID	Location	Land Use	Date	Group ID
T	402m SW	Cuttings	1946	2170626
AF	402m SE	Chalk Pit	1907	2182199
AK	402m S	Cuttings	1932	2264051
AD	402m W	Tramway Sidings	1898	2189056
AD	402m W	Tramway Sidings	1898	2189056
B	403m W	Railway Sidings	1916	2223194
B	403m NW	Gas Works	1895	2280294
B	403m NW	Railway Sidings	1895	2170939
B	404m W	Unspecified Pit	1895	2173101
T	404m SW	Cuttings	1932	2248862
AF	404m SE	Chalk Pit	1923	2231607
T	404m SW	Cuttings	1938	2248116
V	405m SW	Cuttings	1865	2186329
B	405m NW	Railway Sidings	1938	2185989
V	405m SW	Cuttings	1923	2179093
O	405m SE	Lime Kiln	1865	2166925
AB	405m E	Chimney	1990	2172660
AB	405m E	Chimney	1977	2172660
AB	405m E	Chimney	1971	2172660
AB	405m E	Chimney	1966	2172660
B	406m NW	Railway Sidings	1938	2185989
O	406m SE	Unspecified Tank	1895	2155359
B	407m W	Unspecified Ground Workings	1938	2200630
B	407m W	Unspecified Ground Workings	1938	2200630
AL	408m S	Cuttings	1938	2212837
AB	408m E	Unspecified Wharf	1946	2250583
B	409m W	Unspecified Pit	1923	2295096
B	409m W	Unspecified Ground Workings	1946	2195957



ID	Location	Land Use	Date	Group ID
AD	409m W	Unspecified Tanks	1990	2288161
AI	409m SE	Unspecified Works	1977	2227273
B	410m W	Unspecified Ground Workings	1938	2293261
B	410m W	Unspecified Ground Workings	1938	2293261
AK	411m S	Cuttings	1955	2274099
AK	411m S	Cuttings	1990	2250911
AK	411m S	Cuttings	1977	2250911
AK	411m S	Cuttings	1971	2250911
AL	411m S	Cuttings	1966	2256839
B	411m W	Unspecified Ground Workings	1932	2227340
B	411m W	Unspecified Ground Workings	1907	2187583
AE	411m NW	Unspecified Wharf	1946	2174998
B	412m W	Clay Mill	1865	2166682
B	413m W	Unspecified Ground Workings	1916	2245674
AD	413m W	Unspecified Tanks	1977	2221777
AD	413m W	Unspecified Tanks	1971	2221777
O	413m SE	Unspecified Tanks	1932	2277635
B	413m NW	Unspecified Wharf	1938	2269449
B	413m NW	Unspecified Wharf	1938	2284946
O	415m SE	Unspecified Tanks	1938	2198991
AI	415m SE	Tunnel	1938	2186953
AI	416m SE	Tunnel	1916	2214375
B	418m W	Unspecified Pit	1990	2244611
B	418m W	Unspecified Pit	1977	2244611
B	418m W	Unspecified Pit	1971	2244611
B	418m NW	Gas Works	1888	2275082
B	418m W	Unspecified Pit	1865	2126197
AI	420m SE	Tunnel	1938	2222826



ID	Location	Land Use	Date	Group ID
AI	421m SE	Tunnel	1932	2201075
O	421m SE	Unspecified Tank	1895	2155358
AI	422m SE	Tunnel	1946	2222826
B	422m NW	Gas Works	1898	2197699
B	422m NW	Gas Works	1898	2197699
AL	423m S	Cuttings	1895	2225362
AL	426m S	Cuttings	1916	2238478
AL	427m S	Cuttings	1898	2256878
AL	427m S	Cuttings	1898	2287436
B	427m W	Unspecified Works	1955	2181006
B	427m W	Unspecified Pit	1955	2220863
B	427m W	Cement Works	1966	2191753
AL	427m S	Cuttings	1888	2173593
B	428m NW	Gas Works	1865	2196446
AL	428m S	Cuttings	1865	2173593
AI	428m SE	Tunnel	1923	2214375
AL	428m S	Cuttings	1946	2182780
AL	428m S	Cuttings	1932	2182780
AL	428m S	Cuttings	1907	2182780
AL	428m S	Cuttings	1895	2265791
AL	428m S	Cuttings	1938	2177141
B	428m W	Unspecified Ground Workings	1907	2201701
AL	428m S	Cuttings	1955	2177141
AL	428m S	Cuttings	1990	2177141
AL	428m S	Cuttings	1977	2177141
AL	428m S	Cuttings	1971	2177141
B	429m NW	Unspecified Pit	1955	2126198
B	429m W	Brick Field	1865	2146742



ID	Location	Land Use	Date	Group ID
AI	429m SE	Tunnel	1907	2221121
AJ	430m SE	Unspecified Workings	1977	2151480
B	430m NW	Gasometers	1888	2219354
B	431m NW	Gasometer	1907	2267711
B	431m NW	Gasometer	1895	2251285
AB	431m E	Unspecified Wharf	1932	2240138
AI	432m SE	Unspecified Quarry	1865	2145147
AO	432m SW	Chalk Pit	1932	2221295
B	433m NW	Unspecified Tank	1971	2245813
AO	434m SW	Chalk Pit	1938	2221295
B	435m NW	Gasometers	1898	2246274
B	435m NW	Gasometers	1898	2246274
B	435m NW	Unspecified Tank	1966	2245813
B	436m NW	Gasometer	1923	2198636
B	436m NW	Unspecified Tank	1907	2189915
B	436m NW	Unspecified Tank	1895	2178668
B	436m NW	Unspecified Tanks	1932	2295240
AM	437m E	Engineering Works	1946	2142111
AP	437m SW	Cuttings	1888	2238616
AI	437m SE	Railway Sidings	1895	2236870
B	437m NW	Unspecified Tanks	1946	2289538
AL	437m S	Cuttings	1923	2177141
AP	438m SW	Cuttings	1895	2275660
AP	439m SW	Cuttings	1946	2188749
B	439m W	Unspecified Tank	1888	2221871
B	440m W	Unspecified Tank	1932	2173552
B	440m W	Unspecified Tank	1907	2223911
B	440m W	Unspecified Tank	1895	2281766



ID	Location	Land Use	Date	Group ID
B	440m W	Unspecified Tank	1923	2236118
AP	440m SW	Cuttings	1932	2193908
AQ	440m SE	Tramway Sidings	1946	2204626
B	441m NW	Gasometers	1916	2201676
AI	441m SE	Railway Sidings	1865	2170158
B	441m NW	Unspecified Tank	1923	2249129
B	441m W	Unspecified Ground Workings	1865	2231370
B	441m NW	Gasometer	1895	2210501
AP	444m SW	Cuttings	1895	2268145
B	444m NW	Gasometer	1865	2251285
B	444m W	Unspecified Tank	1898	2182614
B	444m W	Unspecified Tank	1898	2182614
B	444m W	Unspecified Tank	1946	2206358
AD	445m W	Unspecified Pit	1865	2212720
AQ	446m SE	Tramway Sidings	1938	2243934
B	447m W	Unspecified Tank	1938	2206358
B	447m NW	Gasometer	1895	2222190
B	448m W	Unspecified Tank	1938	2206358
AF	448m SE	Railway Sidings	1907	2276868
AI	449m SE	Unspecified Pits	1955	2141813
AN	450m S	Chalk Pit	1932	2222966
B	450m W	Unspecified Tanks	1895	2176477
B	451m W	Unspecified Tank	1865	2155362
O	452m SE	Unspecified Tanks	1932	2284856
B	452m NW	Unspecified Industrial/Commercial	1888	2164943
O	453m SE	Unspecified Tanks	1938	2280916
AN	453m S	Chalk Pit	1938	2222966
AF	453m SE	Railway Sidings	1923	2255519



ID	Location	Land Use	Date	Group ID
AR	454m NE	Railway Sidings	1955	2267789
AR	454m NE	Railway Sidings	1966	2267789
AS	455m NE	Railway Sidings	1982	2257573
AS	455m NE	Railway Sidings	1992	2257573
AN	455m S	Refuse Heap	1946	2246271
AK	457m S	Tunnel	1946	2151572
B	457m W	Unspecified Pit	1895	2169819
B	459m W	Unspecified Tanks	1888	2194428
B	459m W	Unspecified Tanks	1895	2192420
AT	461m S	Tramway Sidings	1946	2151152
AT	461m S	Chalk Pit	1946	2294193
AT	461m S	Gravel Pit	1977	2139097
B	462m W	Unspecified Tanks	1990	2255661
B	462m W	Unspecified Tanks	1977	2259554
B	462m W	Unspecified Tanks	1971	2226113
B	463m W	Unspecified Tanks	1898	2201962
B	463m W	Unspecified Tanks	1898	2236772
B	465m NW	Railway Sidings	1865	2222502
O	466m SE	Unspecified Ground Workings	1955	2134364
AK	466m S	Pump House	1990	2168094
B	468m W	Railway Sidings	1907	2252281
B	468m W	Railway Sidings	1895	2251914
AU	469m SW	Railway Sidings	1990	2188509
AU	469m SW	Railway Sidings	1977	2188509
AK	469m S	Pumping House	1946	2165293
B	470m W	Railway Sidings	1888	2192901
AT	470m S	Unspecified Ground Workings	1955	2227645
AT	470m S	Unspecified Ground Workings	1966	2227645



ID	Location	Land Use	Date	Group ID
9	470m N	Railway Sidings	1946	2249066
AI	471m SE	Tunnel	1938	2183707
B	472m W	Tunnel	1923	2259105
AV	472m E	Tyre Works	1932	2182901
AL	472m S	Chalk Pit	1932	2281142
AW	473m E	Electric Cable Works	1938	2176153
AL	473m S	Chalk Pit	1938	2281142
AW	473m E	Electric Cable Works	1916	2233623
AW	473m E	Printing Works	1938	2221904
AE	473m NW	Unspecified Wharf	1938	2178135
AE	473m NW	Unspecified Wharf	1938	2178135
AV	474m E	Tyre Works	1946	2291549
10	474m SW	Pump House	1990	2168095
AV	474m E	Unspecified Pit	1916	2238306
AE	475m NW	Unspecified Wharf	1932	2233903
AG	476m E	Unspecified Heap	1865	2137199
B	476m NW	Unspecified Tanks	1888	2175225
B	476m W	Railway Sidings	1898	2264451
B	476m W	Railway Sidings	1898	2214748
AV	476m E	Unspecified Works	1955	2160150
B	477m NW	Unspecified Tanks	1895	2211867
B	478m W	Unspecified Tanks	1888	2199678
AU	478m SW	Old Chalk Pit	1946	2165646
AW	478m E	Electric Cable Works	1907	2241347
AV	479m E	Unspecified Pit	1907	2249288
B	479m W	Unspecified Tanks	1895	2216730
B	480m NW	Unspecified Tanks	1923	2283061
B	480m NW	Tramway Sidings	1946	2268642



ID	Location	Land Use	Date	Group ID
B	480m NW	Cement Works	1895	2190489
AW	480m E	Electric Cable Works	1923	2195494
B	480m W	Railway Sidings	1923	2291062
AN	481m S	Refuse Heap	1966	2200866
AV	481m E	Unspecified Pit	1923	2238306
B	481m NW	Unspecified Tanks	1898	2188352
B	481m NW	Unspecified Tanks	1898	2182105
B	481m W	Tunnel	1946	2223839
B	481m W	Unspecified Tanks	1923	2228776
AX	482m S	Cuttings	1938	2179832
B	482m NW	Unspecified Tanks	1907	2228774
B	482m W	Tunnel	1938	2246210
B	483m W	Tunnel	1932	2223839
B	483m W	Tunnel	1907	2258760
B	483m NW	Unspecified Tank	1938	2155383
B	483m W	Unspecified Tanks	1898	2216730
B	483m W	Unspecified Tanks	1898	2216730
B	484m W	Unspecified Tanks	1907	2254171
B	484m NW	Unspecified Tanks	1938	2206761
B	484m NW	Tanks	1916	2162275
B	485m W	Railway Sidings	1895	2203719
B	485m NW	Unspecified Tanks	1923	2221188
AU	486m SW	Unspecified Pit	1966	2126196
AY	486m E	Engineering Works	1932	2262564
AZ	487m NW	Cement Works	1898	2205395
AZ	487m NW	Cement Works	1898	2205395
B	487m NW	Unspecified Tanks	1907	2172383
B	487m W	Tunnel	1938	2224324



ID	Location	Land Use	Date	Group ID
B	487m W	Tunnel	1916	2258760
B	487m W	Tunnel	1938	2223839
AX	487m S	Cuttings	1938	2217009
AY	487m E	Engineering Works	1938	2262564
AX	488m S	Cuttings	1898	2294425
AX	488m S	Cuttings	1898	2294425
B	489m NW	Unspecified Tank	1938	2155381
B	489m W	Unspecified Tank	1938	2155363
B	490m NW	Unspecified Tanks	1938	2209059
B	490m NW	Unspecified Tank	1938	2155382
B	490m W	Unspecified Tanks	1938	2277130
B	490m W	Tanks	1916	2162288
B	490m NW	Tanks	1916	2162273
B	494m W	Unspecified Quarry	1865	2145149
B	496m W	Unspecified Ground Workings	1923	2282743
B	497m W	Unspecified Tank	1938	2155364
B	497m NW	Unspecified Tank	1938	2155379
AU	498m SW	Unspecified Ground Workings	1955	2134374

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	140
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 45 >](#)

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Tank	1898	369226
A	On site	Unspecified Tank	1897	391166



ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Tank	1909	369227
A	On site	Unspecified Tank	1909	391166
C	On site	Tanks	1960	382860
C	On site	Tanks	1972	382860
C	On site	Tanks	1964	382860
C	On site	Tanks	1985	382860
C	On site	Tanks	1985	378147
C	On site	Unspecified Tank	1985	369190
G	On site	Unspecified Tank	1959	381832
G	On site	Tanks	1993	378184
G	On site	Tanks	1993	378185
G	On site	Unspecified Tank	1993	369230
G	On site	Tanks	1993	378183
G	On site	Unspecified Tank	1973	369229
G	On site	Unspecified Tank	1973	381832
G	On site	Unspecified Tank	1964	407667
I	On site	Unspecified Tank	1993	369228
3	0m SW	Tanks	1993	378153
C	69m NE	Unspecified Tank	1952	387528
C	69m NE	Unspecified Tank	1952	387528
B	78m NW	Tanks	1897	406759
B	82m NW	Unspecified Tank	1952	403906
B	82m NW	Tanks	1898	406759
B	83m NW	Unspecified Tank	1952	385078
B	84m NW	Unspecified Tank	1933	405527
B	84m NW	Unspecified Tank	1939	405527
C	88m NE	Unspecified Tank	1952	397618
C	88m NE	Unspecified Tank	1972	369196

ID	Location	Land Use	Date	Group ID
C	89m NE	Unspecified Tank	1952	397618
B	90m NW	Unspecified Tank	1952	385078
U	98m S	Unspecified Tank	1865	369231
P	107m SW	Unspecified Tank	1980	409391
P	108m SW	Unspecified Tank	1994	409391
B	112m NW	Unspecified Tank	1897	369195
B	116m NW	Unspecified Tank	1898	369194
C	125m E	Unspecified Tank	1973	369197
B	147m NW	Unspecified Tank	1972	369191
B	163m W	Tanks	1980	386124
B	164m W	Tanks	1994	386124
B	168m NW	Unspecified Tank	1972	369192
B	175m NW	Unspecified Tank	1897	410620
B	175m NW	Unspecified Tank	1909	410620
O	205m E	Unspecified Tank	1952	384244
O	205m E	Unspecified Tank	1952	384244
B	227m NW	Tanks	1898	380616
B	229m NW	Tanks	1909	380616
B	231m NW	Tanks	1898	380616
B	242m NW	Tanks	1972	409855
B	244m NW	Tanks	1972	378197
B	247m NW	Tanks	1972	378196
Y	256m E	Unspecified Tank	1985	369189
B	277m NW	Tanks	1898	409855
Y	291m E	Unspecified Tank	1909	396103
Y	298m E	Unspecified Tank	1933	394287
Y	298m E	Unspecified Tank	1939	394287
O	303m E	Tanks	1985	402860



ID	Location	Land Use	Date	Group ID
O	303m E	Tanks	1993	402860
O	303m E	Tanks	1975	402860
O	309m E	Unspecified Tank	1975	409783
O	310m E	Unspecified Tank	1985	409783
AA	317m W	Unspecified Tank	1980	400171
Y	318m E	Unspecified Tank	1909	369180
AA	319m W	Unspecified Tank	1994	400171
B	323m W	Unspecified Tank	1980	385259
B	325m W	Unspecified Tank	1994	385259
O	330m SE	Unspecified Tank	1975	401329
O	330m SE	Unspecified Tank	1985	401329
Y	339m E	Unspecified Tank	1909	381436
Y	339m E	Unspecified Tank	1939	381436
Y	342m E	Tanks	1933	378148
B	349m NW	Unspecified Tank	1952	369193
AA	351m W	Unspecified Tank	1909	383759
Y	352m E	Unspecified Tank	1952	369182
AA	353m W	Unspecified Tank	1865	383759
B	354m NW	Unspecified Tank	1952	383793
B	354m NW	Unspecified Tank	1964	383793
AD	363m W	Unspecified Tank	1865	369225
O	372m E	Unspecified Tank	1909	369179
V	376m SW	Unspecified Tank	1897	369233
B	386m NW	Unspecified Tank	1952	397186
B	390m NW	Unspecified Tank	1898	401939
B	390m NW	Unspecified Tank	1932	401939
B	392m NW	Unspecified Tank	1909	405569
B	392m NW	Unspecified Tank	1939	405569



ID	Location	Land Use	Date	Group ID
B	392m NW	Unspecified Tank	1898	405569
B	394m W	Unspecified Tank	1972	369198
B	396m NW	Gas Works	1898	409673
O	398m SE	Unspecified Tank	1985	381398
O	399m SE	Unspecified Tank	1975	386616
AD	412m W	Unspecified Tank	1980	405159
AD	413m W	Unspecified Tank	1994	392725
AD	414m W	Unspecified Tank	1972	405159
AD	414m W	Unspecified Tank	1938	385333
AD	414m W	Unspecified Tank	1932	385333
O	418m SE	Unspecified Tank	1933	393294
O	419m SE	Unspecified Tank	1897	409453
B	428m NW	Gas Works	1909	401381
O	428m SE	Tanks	1933	378154
B	428m NW	Gas Works	1898	401381
B	433m NW	Unspecified Tank	1952	384701
B	433m NW	Unspecified Tank	1964	384701
B	433m NW	Unspecified Tank	1952	395028
B	438m NW	Gasometers	1898	391499
B	438m NW	Gasometers	1909	391499
B	438m NW	Gasometers	1939	391499
B	438m NW	Tanks	1932	378198
B	440m NW	Gasometer	1898	374083
B	443m W	Gasometer	1897	400746
B	443m W	Unspecified Tank	1909	394403
B	443m W	Unspecified Tank	1938	394403
B	443m W	Unspecified Tank	1932	394403
B	445m NW	Gasometer	1898	374084

ID	Location	Land Use	Date	Group ID
B	448m W	Gasometer	1898	400746
AD	449m W	Tanks	1970	394401
AD	449m W	Tanks	1979	403371
AD	449m W	Tanks	1986	403371
AD	454m W	Unspecified Tank	1865	369224
B	462m W	Tanks	1897	381405
B	462m W	Tanks	1909	381405
B	462m W	Unspecified Tank	1972	369200
B	466m W	Tanks	1898	388736
B	468m NW	Unspecified Tank	1952	385464
B	468m NW	Unspecified Tank	1964	385464
B	468m NW	Unspecified Tank	1952	402135
AK	470m S	Unspecified Tank	1952	407279
AK	470m S	Unspecified Tank	1952	407279
B	476m NW	Unspecified Tank	1972	369199
B	480m NW	Unspecified Tanks	1907	379245
B	481m NW	Tanks	1897	410197
B	481m NW	Tanks	1909	381354
B	482m W	Tanks	1897	400621
B	482m W	Tanks	1909	400621
B	485m NW	Tanks	1898	398666
B	487m W	Tanks	1898	404619
B	488m NW	Unspecified Tanks	1907	379246
B	490m NW	Tanks	1897	410197
AV	495m E	Unspecified Tank	1933	369181
AS	498m NE	Unspecified Tank	1950	368818

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

87

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 45 >](#)

ID	Location	Land Use	Date	Group ID
A	On site	Electricity Substation	1993	261926
A	On site	Electricity Substation	1973	261926
4	35m S	Electricity Substation	1952	248018
C	54m E	Electricity Substation	1952	287687
C	54m E	Electricity Substation	1952	287687
R	82m W	Electricity Transformers	1980	283608
R	83m W	Electricity Transformers	1972	283608
R	87m W	Electricity Substation	1994	248020
U	96m S	Electricity Substation	1993	248010
U	98m S	Electricity Transformer	1972	250859
B	102m NW	Electricity Transformers	1972	251667
B	103m NW	Electricity Transformer	1972	250878
B	108m NW	Electricity Substation	1985	248027
B	115m W	Electricity Transformer	1980	255836
B	116m W	Electricity Transformer	1972	252333
B	119m W	Electricity Transformer	1980	267602
B	120m W	Electricity Substation	1952	273473
B	120m W	Electricity Substation	1964	273473
B	120m W	Electricity Transformer	1972	255204
B	120m W	Electricity Substation	1952	273473
B	121m W	Electricity Substation	1994	273473
B	137m W	Electricity Transformers	1980	264662
B	138m W	Electricity Transformers	1972	264662



ID	Location	Land Use	Date	Group ID
B	138m W	Electricity Substation	1994	248024
B	161m NW	Electricity Transformers	1972	251666
B	163m W	Electricity Transformers	1980	263528
B	164m W	Electricity Transformers	1972	263528
B	164m W	Electricity Substation	1994	248025
B	174m W	Electricity Transformers	1980	273832
B	175m W	Electricity Transformers	1972	273832
B	190m W	Electricity Transformers	1980	255837
B	191m W	Electricity Transformers	1972	253897
B	199m W	Electricity Transformers	1980	265199
B	201m W	Electricity Transformers	1972	265199
B	201m W	Electricity Substation	1994	248028
B	207m W	Electricity Transformers	1980	253630
B	208m W	Electricity Transformers	1972	255203
B	209m W	Electricity Substation	1994	248015
B	210m W	Electricity Transformers	1980	282969
B	211m W	Electricity Transformers	1972	282969
B	222m W	Electricity Transformers	1980	291870
Y	222m E	Power Station	1985	270815
B	223m W	Electricity Transformers	1972	254350
Y	223m E	Power Station	1993	270815
Y	223m E	Power Station	1975	260218
B	231m W	Electricity Substation	1994	248022
B	233m W	Electricity Transformers	1980	291870
B	234m W	Electricity Transformers	1972	253054
B	236m W	Electricity Transformers	1980	283875
B	237m W	Electricity Substation	1994	248030
B	237m W	Electricity Transformers	1972	283875

ID	Location	Land Use	Date	Group ID
B	247m W	Electricity Transformer	1980	268682
B	248m W	Electricity Transformer	1972	268682
B	259m W	Electricity Transformer	1980	272753
B	260m W	Electricity Transformer	1972	272753
B	261m W	Electricity Substation	1994	248021
Y	279m E	Electricity Substation	1952	288232
Y	279m E	Electricity Substation	1952	288232
O	299m SE	Electricity Substation	1993	266845
O	299m SE	Electricity Transformers	1975	251668
O	300m SE	Electricity Substation	1985	266845
B	329m W	Electricity Transformers	1980	251665
B	329m W	Electricity Transformer	1972	250880
B	330m W	Electricity Transformers	1972	251664
AC	367m S	Electricity Transformer	1972	250860
AH	383m SW	Electricity Transformer	1980	268840
AH	385m SW	Electricity Substation	1994	248016
AH	385m SW	Electricity Transformer	1972	268840
B	396m NW	Gas Works	1898	260678
AM	409m E	Electricity Transformer	1975	250884
B	410m NW	Disused Gas Works	1939	251267
AM	427m E	Electricity Substation	1985	267760
B	428m NW	Gas Works	1909	262911
B	428m NW	Gas Works	1898	262911
AM	429m E	Electricity Substation	1995	275831
AM	429m E	Electricity Substation	1993	275831
B	438m NW	Gasometers	1898	279285
B	438m NW	Gasometers	1909	279285
B	438m NW	Gasometers	1939	279285



ID	Location	Land Use	Date	Group ID
B	439m NW	Gasometer	1898	251565
B	443m W	Gasometer	1897	288350
B	445m NW	Gasometer	1898	251566
T	445m SW	Electricity Substation	1972	248009
B	448m W	Gasometer	1898	288350
8	459m S	Electricity Transformer	1972	250858
AK	467m S	Electricity Transformer	1972	250856
AK	474m S	Electricity Transformer	1972	250857

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	10
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 45 >](#)

ID	Location	Land Use	Date	Group ID
L	37m E	Garage	1952	84956
L	37m E	Garage	1952	84956
N	61m SW	Garage	1952	80086
N	61m SW	Garage	1952	80086
N	61m SW	Garage	1964	80086

ID	Location	Land Use	Date	Group ID
AC	346m S	Garage	1952	85649
AC	346m S	Garage	1952	85649
AN	421m S	Garage	1952	76809
AN	422m S	Garage	1972	75549
AN	422m S	Garage	1952	78122

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical landfill (BGS)
- Historical landfill (LA/OS)
- ◆ Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m

1

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

Features are displayed on the Waste and landfill map on [page 87](#) >

ID	Location	Address	BGS Number	Risk	Waste Type
A	On site	Northfleet Power stn, Crete Hall Rd, Northfleet,Kt	1947	Risk to major aquifer	N/A

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	2
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Landfill sites identified from Local Authority records and high detail historical mapping.

Features are displayed on the Waste and landfill map on [page 87 >](#)

ID	Location	Site address	Source	Data type
6	465m S	Refuse Tip	1971 mapping	Polygon
D	473m S	Refuse Tip	1971 mapping	Polygon

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m	3
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Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 87 >](#)

ID	Location	Details		
4	426m SE	Site Address: Northfleet Power Station, Northfleet, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: 21EL, P/02/02 Waste Type: Inert, Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 14/05/1977 Licence Surrender: 31/12/1992	Operator: Central Electricity Generating Board Licence Holder: Central Electricity Generating Board First Recorded 31/12/1960 Last Recorded: 31/12/1992

ID	Location	Details		
D	440m S	Site Address: Springhead Road, Swale, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: REIN.2/1, 21BF Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/01/1976 Licence Surrender: -	Operator: Northfleet Urban District Council Licence Holder: Kent County Council First Recorded 31/12/1951 Last Recorded: 31/12/1984
5	448m SE	Site Address: Northfleet Power Station, Northfleet, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: 21EL, P/02/02 Waste Type: Inert, Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 14/05/1977 Licence Surrender: 31/12/1992	Operator: - Licence Holder: Central Electricity Generating Board First Recorded 31/12/1960 Last Recorded: 31/12/1992

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m	0
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Waste site records derived from Local Authority planning records and high detail historical mapping.

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m	5
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on [page 87 >](#)

ID	Location	Details		
C	302m NW	Site Name: Northfleet Temporary Inert Waste Transfer Facility Site Address: Northfleet Works, Northfleet Embankment, Gravesend, Kent, DA11 9AN Correspondence Address: -	Type of Site: Transfer Station taking Non-Biodegradable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CRO117 EPR reference: EA/EPR/RP3194EY/S004 Operator: B A M Nuttal Ltd, Ferrovia Agroman (U K) Ltd, Kier Infrastructure & Overseas Waste Management licence No: 102226 Annual Tonnage: 0	Issue Date: 24/04/2012 Effective Date: - Modified: 07/05/2013 Surrendered Date: 09/10/2015 Expiry Date: - Cancelled Date: - Status: Surrendered
C	302m NW	Site Name: Northfleet Temporary Inert Waste Transfer Facility Site Address: Northfleet Works, Northfleet Embankment, Gravesham, Kent, DA1 9AN Correspondence Address: -	Type of Site: Transfer Station taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CRO117 EPR reference: EA/EPR/RP3194EY/V002 Operator: Bam Ferrovia Kier Joint Venture Waste Management licence No: 102226 Annual Tonnage: 700000	Issue Date: 24/04/2012 Effective Date: - Modified: 11/03/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	302m NW	Site Name: Northfleet Temporary Inert Waste Transfer Facility Site Address: Northfleet Works, Northfleet Embankment, Gravesham, Kent, DA11 9AN Correspondence Address: -	Type of Site: Transfer Station taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CRO117 EPR reference: EA/EPR/RP3194EY/V003 Operator: Bam Nuttal Ltd, Ferrovia Agroman (U K) Ltd, Kier Infrastructure & Overseas Ltd Waste Management licence No: 102226 Annual Tonnage: 1200000	Issue Date: 24/04/2012 Effective Date: - Modified: 07/05/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
C	302m NW	Site Name: Northfleet Temporary Inert Waste Transfer Facility Site Address: Northfleet Works, Northfleet Embankment, Gravesend, Kent, DA11 9AN Correspondence Address: -	Type of Site: Transfer Station taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CRO117 EPR reference: EA/EPR/RP3194EY/S004 Operator: B A M Nuttal Ltd, Ferrovia Agroman (U K) Ltd, Kier Infrastructure & Overseas Waste Management licence No: 102226 Annual Tonnage: 0	Issue Date: 24/04/2012 Effective Date: - Modified: 07/05/2013 Surrendered Date: Oct 9 2015 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
3	365m E	Site Name: Red Lion Wharf Site Address: Red Lion Wharf, Crete Hall Road, Northfleet, Gravesend, Kent, DA11 9AA Correspondence Address: -	Type of Site: Treatment of waste wood 75000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HWR004 EPR reference: EA/EPR/GB3538AC/S002 Operator: Hadfield Wood Recyclers Limited Waste Management licence No: 104141 Annual Tonnage: 0	Issue Date: 23/05/2012 Effective Date: - Modified: - Surrendered Date: 28/04/2014 Expiry Date: - Cancelled Date: - Status: Surrendered

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m	17
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 87](#) >

ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	-	WEX261186	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	2m SE	Kimberly Clark Cretehall Road Kent DA11 9AD	EPR/SF0808M D/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers



ID	Location	Site	Reference	Category	Sub-Category	Description
A	3m SE	Northfleet Mill Crete Hall Road GRAVESEND Kent DA11 9AD	EPR/JH0214AK /A001	Using waste exemption	Non-Agricultural Waste Only	Use of sludge for the purposes of re-seeding a waste water treatment plant
A	3m SE	kimberly clark, cretehall road, northfleet, kent, DA11 9AD	WEX120709	Storing waste exemption	Not on a farm	Storage of waste in secure containers
1	35m NE	-	WEX163596	Using waste exemption	Not on a Farm	Use of waste in construction
B	200m SE	CRETE HALL ROAD, NORTHFLEET, GRAVESEND, DA11 9BU	WEX239725	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	200m SE	CRETE HALL ROAD, NORTHFLEET, GRAVESEND, DA11 9BU	WEX239725	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	200m SE	CRETE HALL ROAD, NORTHFLEET, GRAVESEND, DA11 9BU	WEX239725	Treating waste exemption	Not on a farm	Treatment of waste food
B	200m SE	CRETE HALL ROAD, NORTHFLEET, GRAVESEND, DA11 9BU	WEX239725	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
B	200m SE	CRETE HALL ROAD, NORTHFLEET, GRAVESEND, DA11 9BU	WEX282639	Treating waste exemption	Not on a farm	Sorting mixed waste
B	200m SE	CRETE HALL ROAD, NORTHFLEET, GRAVESEND, DA11 9BU	WEX144201	Treating waste exemption	Not on a farm	Sorting mixed waste
B	200m SE	19, WORPLE ROAD, LONDON, SW19 4JS	WEX096851	Treating waste exemption	Not on a farm	Treatment of waste food
B	200m SE	19, WORPLE ROAD, LONDON, SW19 4JS	WEX096851	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	200m SE	19, WORPLE ROAD, LONDON, SW19 4JS	WEX096851	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	200m SE	19, WORPLE ROAD, LONDON, SW19 4JS	WEX096851	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
2	333m NW	Tarmac Cement and Lime Ltd, The Shore, Northfleet, Gravesend, DA11 9AN	WEX259657	Using waste exemption	Not on a farm	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
7	485m SE	St Botolphs Primary School Dover Road GRAVESEND Kent DA11 9PL	EPR/DE5089FR /A001	Using waste exemption	Non- Agricultural Waste Only	Use of waste in construction

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)**
- Recent industrial land uses
- Electricity cables
- ▲ Hazardous substance storage/usage
- Historical licensed industrial activities
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- List 1 Dangerous Substances
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m

37

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 94](#) >

ID	Location	Company	Address	Activity	Category
1	On site	Electricity Sub Station	Kent, DA11	Electrical Features	Infrastructure and Facilities
2	On site	Tank	Kent, DA11	Tanks (Generic)	Industrial Features
A	On site	Artisan Engineering Ltd	Northfleet Mill, Crete Hall Road, Northfleet, Gravesend, Kent, DA11 9AD	Industrial Engineers	Engineering Services

ID	Location	Company	Address	Activity	Category
B	On site	Tank	Kent, DA11	Tanks (Generic)	Industrial Features
B	On site	Chimney	Kent, DA11	Chimneys	Industrial Features
B	On site	Tank	Kent, DA11	Tanks (Generic)	Industrial Features
C	On site	Tank	Kent, DA11	Tanks (Generic)	Industrial Features
C	On site	Tank	Kent, DA11	Tanks (Generic)	Industrial Features
C	On site	Tank	Kent, DA11	Tanks (Generic)	Industrial Features
C	On site	Tank	Kent, DA11	Tanks (Generic)	Industrial Features
4	5m SW	Tank	Kent, DA11	Tanks (Generic)	Industrial Features
5	38m NE	Pylon	Kent, DA11	Electrical Features	Infrastructure and Facilities
F	42m N	Travelling Cranes	Kent, DA11	Travelling Cranes and Gantries	Industrial Features
6	43m SW	Whitecode Design Associates	26-27, The Hill, Northfleet, Gravesend, Kent, DA11 9EU	Electrical and Electronic Engineers	Engineering Services
G	63m E	Electricity Sub Station	Kent, DA11	Electrical Features	Infrastructure and Facilities
G	69m E	Electricity Sub Station	Kent, DA11	Electrical Features	Infrastructure and Facilities
H	73m S	Electricity Sub Station	Kent, DA11	Electrical Features	Infrastructure and Facilities
8	77m SW	Dpf Specialist Northfleet	5, High Street, Northfleet, Gravesend, Kent, DA11 9EZ	Vehicle Repair, Testing and Servicing	Repair and Servicing
L	83m NE	Bowater's Wharf	Kent, DA11	Moorings and Unloading Facilities	Water
H	88m S	Highline Fabrications	3, Dover Road, Northfleet, Gravesend, Kent, DA11 9PH	Cutting, Drilling and Welding Services	Construction Services
L	96m NE	Travelling Crane	Kent, DA11	Travelling Cranes and Gantries	Industrial Features
H	102m S	Hire Station	5, Springhead Road, Northfleet, Gravesend, Kent, DA11 9QT	Construction and Tool Hire	Hire Services
I	118m N	Travelling Crane	Kent, DA11	Travelling Cranes and Gantries	Industrial Features



ID	Location	Company	Address	Activity	Category
M	125m W	Electricity Sub Station	Kent, DA11	Electrical Features	Infrastructure and Facilities
N	136m SW	Mast (Telecommunication)	Kent, DA11	Telecommunications Features	Infrastructure and Facilities
9	139m S	Discount Cars Ltd	29-31, Dover Road, Northfleet, Gravesend, Kent, DA11 9PH	Secondhand Vehicles	Motoring
N	141m SW	Pylon	Kent, DA11	Electrical Features	Infrastructure and Facilities
M	169m W	Tank	Kent, DA11	Tanks (Generic)	Industrial Features
10	173m SW	Chalk Pit (Disused)	Kent, DA11	Stone Quarrying and Preparation	Extractive Industries
R	181m SW	Pylon	Kent, DA11	Electrical Features	Infrastructure and Facilities
R	188m SW	Masts	Kent, DA11	Telecommunications Features	Infrastructure and Facilities
R	200m SW	Pylon	Kent, DA11	Electrical Features	Infrastructure and Facilities
R	214m SW	Pylon	Kent, DA11	Electrical Features	Infrastructure and Facilities
11	244m SW	Chalk Pit (Disused)	Kent, DA11	Stone Quarrying and Preparation	Extractive Industries
12	246m S	Drysite Ltd	40, Springhead Road, Northfleet, Gravesend, Kent, DA11 9QY	Construction Completion Services	Construction Services
V	249m W	Can-do Tool Hire	11-15, High Street, Northfleet, Gravesend, Kent, DA11 9EZ	Construction and Tool Hire	Hire Services
V	249m W	Can-Do	11-15, High Street, Northfleet, Gravesend, Kent, DA11 9EZ	Construction and Tool Hire	Hire Services

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0
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Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m

34

High voltage underground electricity transmission cables.

Features are displayed on the Current industrial land use map on [page 94](#) >

ID	Location	Cable Set	Cable Route	Details	
D	10m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	11m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	11m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	12m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	12m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	13m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	13m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	14m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	14m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
J	81m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
J	82m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified



ID	Location	Cable Set	Cable Route	Details	
J	82m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
J	83m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
J	83m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
J	84m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
J	84m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
J	85m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
J	85m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
S	186m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
S	186m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
S	186m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
S	186m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
S	186m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
S	186m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified

ID	Location	Cable Set	Cable Route	Details	
S	186m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
S	186m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
S	186m S	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
X	273m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
X	273m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
X	274m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
X	274m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
X	275m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
X	275m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
X	277m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.



4.5 Sites determined as Contaminated Land

Records within 500m

0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

1

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 94](#) >

ID	Location	Details	
3	On site	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: Ridgeway International, Cliffe Alpha Jetty, Gravesend, Kent, England	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

2

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

Features are displayed on the Current industrial land use map on [page 94 >](#)

ID	Location	Details	
Q	207m E	Operator: Kimberly Clark Ltd Address: Northfleet Mill, Crete Hall Road, Northfleet, Gravesend, Kent, DA11 9AD Process: Paper And Pulp Manufacturing Processes Permit Number: AU7117	Original Permit Number: IPCAPP Date Approved: 20-6-1996 Effective Date: 1-7-1996 Status: Superseded By Variation
Q	207m E	Operator: Kimberly Clark Ltd Address: Northfleet Mill, Crete Hall Road, Northfleet, Gravesend, Kent, DA11 9AD Process: Paper And Pulp Manufacturing Processes Permit Number: BD4376	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m

13

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 94 >](#)

ID	Location	Details	
A	On site	Operator: Kimberly-Clark Limited Installation Name: Northfleet Mill EPR/BJ7379IZ Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: QP3035AH Original Permit Number: BJ7379IZ	EPR Reference: - Issue Date: 16/06/2016 Effective Date: 16/06/2016 Last date noted as effective: 21/03/2023 Status: Superseded
A	On site	Operator: Kimberly-Clark Limited Installation Name: Northfleet Mill EPR/BJ7379IZ Process: PAPER, PULP AND BOARD; PRODUCING PAPER/BOARD >20T/D Permit Number: QP3035AH Original Permit Number: BJ7379IZ	EPR Reference: - Issue Date: 16/06/2016 Effective Date: 16/06/2016 Last date noted as effective: 21/03/2023 Status: Superseded

ID	Location	Details	
A	On site	Operator: Kimberly-Clark Limited Installation Name: Northfleet Mill EPR/BJ7379IZ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: QP3035AH Original Permit Number: BJ7379IZ	EPR Reference: - Issue Date: 16/06/2016 Effective Date: 16/06/2016 Last date noted as effective: 21/03/2023 Status: Superseded
Q	199m E	Operator: Kimberly-Clark Limited Installation Name: NORTHFLEET TISSUE MILL Process: PAPER, PULP AND BOARD; PRODUCING PAPER/BOARD >20T/D Permit Number: BJ7379IZ Original Permit Number: BJ7379IZ	EPR Reference: - Issue Date: 25/04/2002 Effective Date: 25/04/2002 Last date noted as effective: 21/03/2023 Status: Superseded
Q	199m E	Operator: Kimberly-Clark Limited Installation Name: NORTHFLEET TISSUE MILL Process: PAPER, PULP AND BOARD; PRODUCING PAPER/BOARD >20T/D Permit Number: QP3431UX Original Permit Number: BJ7379IZ	EPR Reference: - Issue Date: 08/01/2010 Effective Date: 08/01/2010 Last date noted as effective: 21/03/2023 Status: Superseded
Q	199m E	Operator: Kimberly-Clark Limited Installation Name: Northfleet Paper Mill - EPR/BJ7379IZ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: LP3608PF Original Permit Number: BJ7379IZ	EPR Reference: - Issue Date: 10/11/2020 Effective Date: 10/11/2020 Last date noted as effective: 21/03/2023 Status: Effective
Q	199m E	Operator: Kimberly-Clark Limited Installation Name: NORTHFLEET TISSUE MILL Process: PAPER, PULP AND BOARD; PRODUCING PAPER/BOARD >20T/D Permit Number: ZP3437FC Original Permit Number: BJ7379IZ	EPR Reference: - Issue Date: 08/05/2012 Effective Date: 08/05/2012 Last date noted as effective: 21/03/2023 Status: Superseded
Q	199m E	Operator: Kimberly-Clark Limited Installation Name: Northfleet Mill Process: PAPER, PULP AND BOARD; PRODUCING PAPER/BOARD >20T/D Permit Number: BP3734ZK Original Permit Number: BJ7379IZ	EPR Reference: - Issue Date: 12/09/2013 Effective Date: 12/09/2013 Last date noted as effective: 21/03/2023 Status: Superseded
Q	199m E	Operator: Kimberly-Clark Limited Installation Name: NORTHFLEET TISSUE MILL Process: PAPER, PULP AND BOARD; PRODUCING PAPER/BOARD >20T/D Permit Number: AP3430FY Original Permit Number: BJ7379IZ	EPR Reference: - Issue Date: 15/02/2012 Effective Date: 15/02/2012 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
Q	199m E	Operator: Kimberly-Clark Limited Installation Name: Northfleet Paper Mill - EPR/BJ7379IZ Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: LP3608PF Original Permit Number: BJ7379IZ	EPR Reference: - Issue Date: 10/11/2020 Effective Date: 10/11/2020 Last date noted as effective: 21/03/2023 Status: Effective
Q	199m E	Operator: Kimberly-Clark Limited Installation Name: Northfleet Paper Mill - EPR/BJ7379IZ Process: PAPER, PULP AND BOARD; PRODUCING PAPER/BOARD >20T/D Permit Number: LP3608PF Original Permit Number: BJ7379IZ	EPR Reference: - Issue Date: 10/11/2020 Effective Date: 10/11/2020 Last date noted as effective: 21/03/2023 Status: Effective
Q	207m E	Operator: KIMBERLY CLARK LTD Installation Name: - Process: PAPER, PULP & BOARD; PRODUCING PAPER/BOARD >20T/D Permit Number: BJ7379 Original Permit Number: BJ7379	EPR Reference: - Issue Date: 25/04/2002 Effective Date: 25/04/2002 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
W	274m NW	Operator: Lafarge Cement Uk Plc Installation Name: Northfleet Cement Works Process: CEMENT AND LIME; PRODUCING ETC CEMENT CLINKER Permit Number: BM0176IS Original Permit Number: BM0176IS	EPR Reference: - Issue Date: 26/03/2004 Effective Date: 26/03/2004 Last date noted as effective: 21/03/2023 Status: Superseded

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

2

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 94 >](#)

ID	Location	Address	Details	
7	74m W	Tarmac Cement & Lime Ltd, The Shore, Northfleet, DA11 9AN	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
X	291m E	Stema, Crete Hall Road, Northfleet, Kent, DA11 9AD	Process: Quarry Processes Status: Surrendered Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
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Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m	15
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Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on [page 94 >](#)

ID	Location	Address	Details	
C	37m SW	TISSUE MILL, NORTHFLEET, KENT, TISSUE MILL, NORTHFLEET, KENT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTMR.0185 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED - UNSPECIFIED Issue date: 26/06/1975 Effective Date: 14/06/1979 Revocation Date: 20/01/1992
C	37m SW	TISSUE MILL, NORTHFLEET, KENT, TISSUE MILL, NORTHFLEET, KENT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTMR.0185 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED - UNSPECIFIED Issue date: 26/06/1975 Effective Date: 14/06/1979 Revocation Date: 20/01/1992
F	51m N	NORTHFLEET MILL, CRETE HALL ROAD, N, NORTHFLEET MILL, CRETE HALL ROAD, NORTHFLEET, KENT	Effluent Type: UNSPECIFIED Permit Number: CNTM.0004 Permit Version: 1 Receiving Water: RIVER THAMES	Status: REVOKED - UNSPECIFIED Issue date: 20/01/1992 Effective Date: 20/01/1992 Revocation Date: 08/07/1996
I	81m N	BLUE CIRCLE CEMENT WORKS, THE SHORE, BLUE CIRCLE CEMENT WORKS, THE SH, ORE, NORTHFLEET, GRAVESEND, KENT	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCR.2043 Permit Version: 1 Receiving Water: TIDAL THAMES	Status: REVOKED - UNSPECIFIED Issue date: 24/10/1983 Effective Date: 24/10/1983 Revocation Date: 23/08/1993



ID	Location	Address	Details	
P	166m NW	OUTLET A, BLUE CIRCLE, NORTHFLEET, OUTLET A, BLUE CIRCLE, NORTHFLEE, T, THE SHORE, NORTHFLEET, GRAVSE, ND, KENT	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.1265 Permit Version: 2 Receiving Water: RIVER THAMES TIDAL	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/12/2009 Effective Date: 09/12/2009 Revocation Date: -
P	166m NW	OUTLET A, BLUE CIRCLE, NORTHFLEET, OUTLET A, BLUE CIRCLE, NORTHFLEE, T, THE SHORE, NORTHFLEET, GRAVSE, ND, KENT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: CNTM.1265 Permit Version: 1 Receiving Water: RIVER THAMES TIDAL	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 24/01/1994 Effective Date: 24/01/1994 Revocation Date: 09/12/2009
P	166m NW	NORTHFLEET WORKS, NORTHFLEET, KENT, NORTHFLEET WORKS, NORTHFLEET, KE, NT	Effluent Type: MISCELLANEOUS DISCHARGES - UNSPECIFIED Permit Number: CTR.1895 Permit Version: 1 Receiving Water: THAMES (TIDAL)	Status: REVOKED - UNSPECIFIED Issue date: 21/09/1982 Effective Date: 21/09/1982 Revocation Date: 23/08/1993
T	201m NW	NORTHFLEET WORKS, NORTHFLEET, KENT, NORTHFLEET WORKS, NORTHFLEET, KE, NT	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTMR.0019 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED - UNSPECIFIED Issue date: 05/01/1978 Effective Date: 05/01/1978 Revocation Date: 23/08/1993
T	201m NW	NORTHFLEET WORKS, NORTHFLEET, KENT, NORTHFLEET WORKS, NORTHFLEET, KE, NT	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTMR.0358 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED - UNSPECIFIED Issue date: 05/01/1978 Effective Date: 05/01/1978 Revocation Date: 23/08/1993
W	256m NW	BLUE CIRCLE WASHING PLANT, A2 WATLING STREET, BEAN, DARTFORD, KENT, DA2 8AH	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: CASM.0640 Permit Version: 1 Receiving Water: THE TIDAL RIVER THAMES	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 08/08/2002 Effective Date: 24/07/2002 Revocation Date: -
W	264m NW	NORTHFLEET EASTERN QUARRY WWTW, WATLING STREET, BEAN, DARTFORD, DA2 8AH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: EPRBB3093EY Permit Version: 1 Receiving Water: THAMES ESTUARY	Status: SURRENDERED UNDER EPR 2010 Issue date: 30/03/2015 Effective Date: 04/04/2016 Revocation Date: 20/04/2016
13	289m E	MAIN C W DISCHARGE, NORTHFLEET POWE, MAIN C W DISCHARGE, NORTHFLEET P, OWER STATION, KENT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: CTMR.0112 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED - UNSPECIFIED Issue date: 02/05/1978 Effective Date: 02/05/1978 Revocation Date: 15/01/1992



ID	Location	Address	Details	
Y	389m E	NORTHFLEET POWER STATION, NORTHFLEE, NORTHFLEET POWER STATION, NORTHF, LEET, KENT	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTMR.0113 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED - UNSPECIFIED Issue date: 02/05/1978 Effective Date: 02/05/1978 Revocation Date: 15/01/1992
Y	389m E	NORTHFLEET POWER STATION, NORTHFLEE, NORTHFLEET POWER STATION, NORTHF, LEET, KENT	Effluent Type: MISCELLANEOUS DISCHARGES - UNSPECIFIED Permit Number: CTMR.0114 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED - UNSPECIFIED Issue date: 02/05/1978 Effective Date: 02/05/1978 Revocation Date: 15/01/1992
16	489m E	UPPER DISCHARGE, AEI CABLES LTD, GR, UPPER DISCHARGE, AEI CABLES LTD, GRAVESEND, KENT	Effluent Type: MISCELLANEOUS DISCHARGES - UNSPECIFIED Permit Number: CTMR.0118 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED - UNSPECIFIED Issue date: 29/10/1979 Effective Date: 29/10/1979 Revocation Date: 09/03/1992

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m

5

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 94 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
F	51m N	Kimberley Clark, Northfleet	Active	Thames Estuary	Mercury (other), Cadmium, Pentachlorophenol
O	142m NW	Blue Circle Cement Works	Active	-	-
O	142m NW	Blue Circle Cement Works	Active	-	-
O	142m NW	Blue Circle Cement Works (blue Circle Point A: Northfleet)	Not Active	Thames Estuary	Mercury (other), Cadmium
W	314m NW	Blue Circle Cement Works	Active	Thames Estuary	Cadmium

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m	1
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Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 94 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
F	51m N	Kimberly Clark Ltd., Northfleet	Not Active	Thames Estuary	Atrazine & Simazine, Organotin

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m	16
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Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on [page 94 >](#)

ID	Location	Details	
C	On site	Incident Date: 25/04/2003 Incident Identification: 154082 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

ID	Location	Details	
E	31m NE	Incident Date: 07/06/2006 Incident Identification: 405203 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other Animal Matter	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
E	31m NE	Incident Date: 07/06/2006 Incident Identification: 405203 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
K	82m NW	Incident Date: 26/03/2002 Incident Identification: 66640 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
K	82m NW	Incident Date: 26/11/2002 Incident Identification: 123239 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
Q	175m E	Incident Date: 24/06/2001 Incident Identification: 11177 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
Q	175m E	Incident Date: 24/06/2001 Incident Identification: 11177 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
U	214m NW	Incident Date: 18/03/2003 Incident Identification: 143836 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
U	215m NW	Incident Date: 21/02/2003 Incident Identification: 138463 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
U	216m NW	Incident Date: 08/04/2003 Incident Identification: 149537 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
U	217m NW	Incident Date: 13/03/2003 Incident Identification: 142774 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
U	217m NW	Incident Date: 17/02/2003 Incident Identification: 137435 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Soot/Smuts	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
V	243m W	Incident Date: 30/04/2004 Incident Identification: 233737 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
W	274m NW	Incident Date: 05/03/2002 Incident Identification: 61964 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
14	417m SW	Incident Date: 04/05/2004 Incident Identification: 234253 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
15	444m S	Incident Date: 09/03/2003 Incident Identification: 141950 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	2
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The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 94 >](#)

ID: Q, Location: 200m E, Permit: BJ7379IZ
Operator: Kimberly-Clark Limited
Activity: PAPER, PULP AND BOARD; PRODUCING PAPER/BOARD >20T/D
Address: Northfleet Paper Mill Crete Hall Road Kent DA11 9AD
Sector: Paper and textiles, Sub-sector: Paper & Pulp
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Particulate matter - total	10000kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Copper	20kg	Below Reporting Threshold
Controlled Waters	Lead	20kg	Below Reporting Threshold
Controlled Waters	Mercury	0.1kg	Below Reporting Threshold
Controlled Waters	Nickel	20kg	Below Reporting Threshold
Controlled Waters	Zinc	100kg	Below Reporting Threshold
Controlled Waters	Nonylphenols and nonylphenol ethoxylates	1kg	Below Reporting Threshold
Controlled Waters	Octylphenols and octylphenol ethoxylates	1kg	Below Reporting Threshold
Controlled Waters	Tributyltin and compounds - as TBT	0.005kg	Below Reporting Threshold
Controlled Waters	Cadmium	1kg	Below Reporting Threshold
Controlled Waters	Cypermethrin	0.005kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Controlled Waters	Chlorpyrifos	0.1kg	Below Reporting Threshold
Air	Pentachlorophenol (PCP)	1kg	Below Reporting Threshold
Controlled Waters	Endosulfan	0.0005kg	Below Reporting Threshold
Controlled Waters	Halogenated organic compounds - as AOX	1000kg	Below Reporting Threshold
Controlled Waters	Nitrogen - as total N	50000kg	Below Reporting Threshold
Controlled Waters	Phosphorus - as total P	5000kg	Below Reporting Threshold

ID: Q, Location: 200m E, Permit: BJ7379IZ
Operator: Kimberly-Clark Limited
Activity: PAPER, PULP AND BOARD; PRODUCING PAPER/BOARD >20T/D
Address: Northfleet Paper Mill Crete Hall Road Kent DA11 9AD
Sector Paper and textiles, Sub-sector: Paper & Pulp
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	22901400kg

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



4.20 Pollution inventory waste transfers

Records within 500m

1

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 94 >](#)

ID: Q, Location: 200m E, Permit: BJ7379IZ
Operator: Kimberly-Clark Limited
Activity: PAPER, PULP AND BOARD; PRODUCING PAPER/BOARD >20T/D
Address: Northfleet Paper Mill Crete Hall Road Kent DA11 9AD
Sector: Paper and textiles, Sub-sector: Paper & Pulp
Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	17.66	absolute value	15 01 02	plastic packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	-	brt	15 01 04	metallic packaging	No
R4	Recycling/reclamation of metals and metal compounds	575.3	absolute value	20 01 40	metals	No
R4	Recycling/reclamation of metals and metal compounds	41.82	absolute value	17 04 01	copper, bronze, brass	No
R4	Recycling/reclamation of metals and metal compounds	23	absolute value	17 04 11	cables other than those mentioned in 17 04 10	No
R4	Recycling/reclamation of metals and metal compounds	52.8	absolute value	19 12 03	non-ferrous metal	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	-	brt	15 01 06	mixed packaging	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R1	Use principally as a fuel or other means to generate energy	11.66	absolute value	17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	brt	11 01 14	degreasing wastes other than those mentioned in 11 01 13	No
R1	Use principally as a fuel or other means to generate energy	267.834	absolute value	20 03 01	mixed municipal waste	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	148.02	absolute value	15 01 01	paper and cardboard packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	65.08	absolute value	15 01 03	wooden packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1286.12	absolute value	03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation	No
R1	Use principally as a fuel or other means to generate energy	90.5	absolute value	03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	110.9	absolute value	17 01 01	concrete	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	13.42	absolute value	17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	17	absolute value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	34.395	absolute value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	brt	20 01 34	batteries and accumulators other than those mentioned in 20 01 33	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	brt	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	No
R4	Recycling/reclamation of metals and metal compounds	3.72	absolute value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.4	absolute value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.34	absolute value	08 03 17	waste printing toner containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.23	absolute value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.826	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	8.17	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.56	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.205	absolute value	16 04 03	other waste explosives	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.47	absolute value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.705	absolute value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.1	absolute value	16 06 01	lead batteries	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.4	absolute value	20 01 33	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.3	absolute value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



4.21 Pollution inventory radioactive waste

Records within 500m

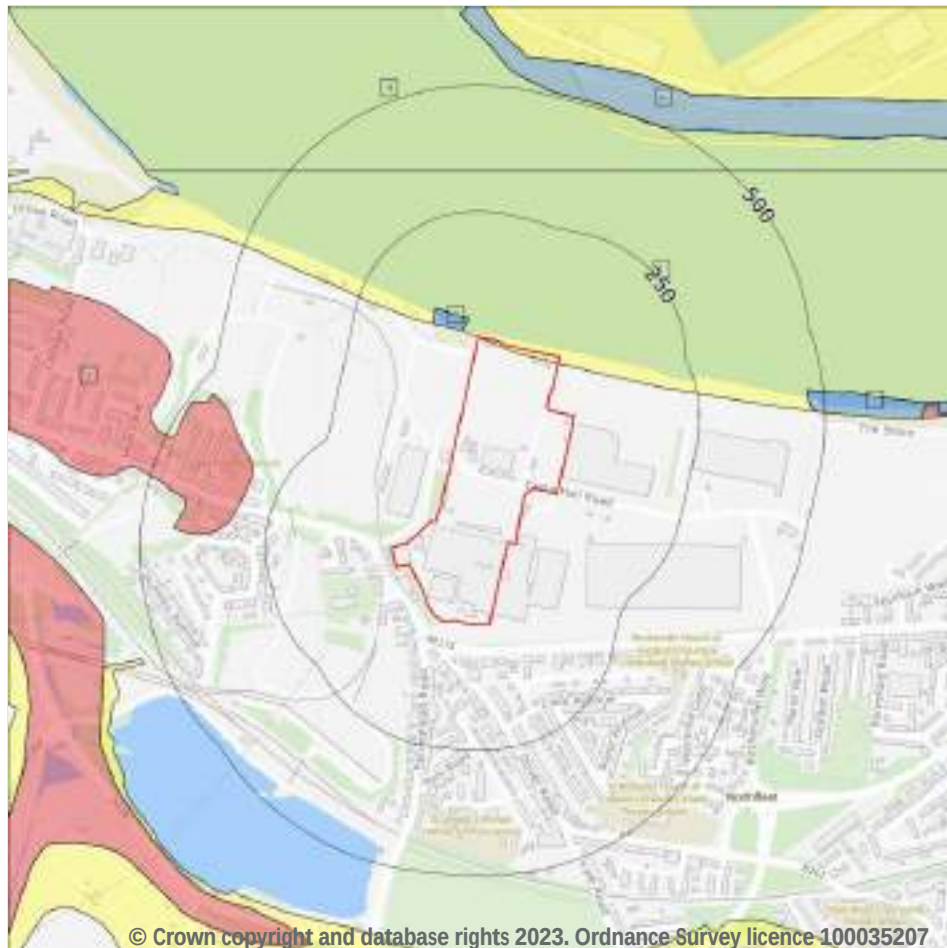
0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Hydrogeology - Superficial aquifer



- Site Outline**
- Search buffers in metres (m)**
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

6

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 116](#) >

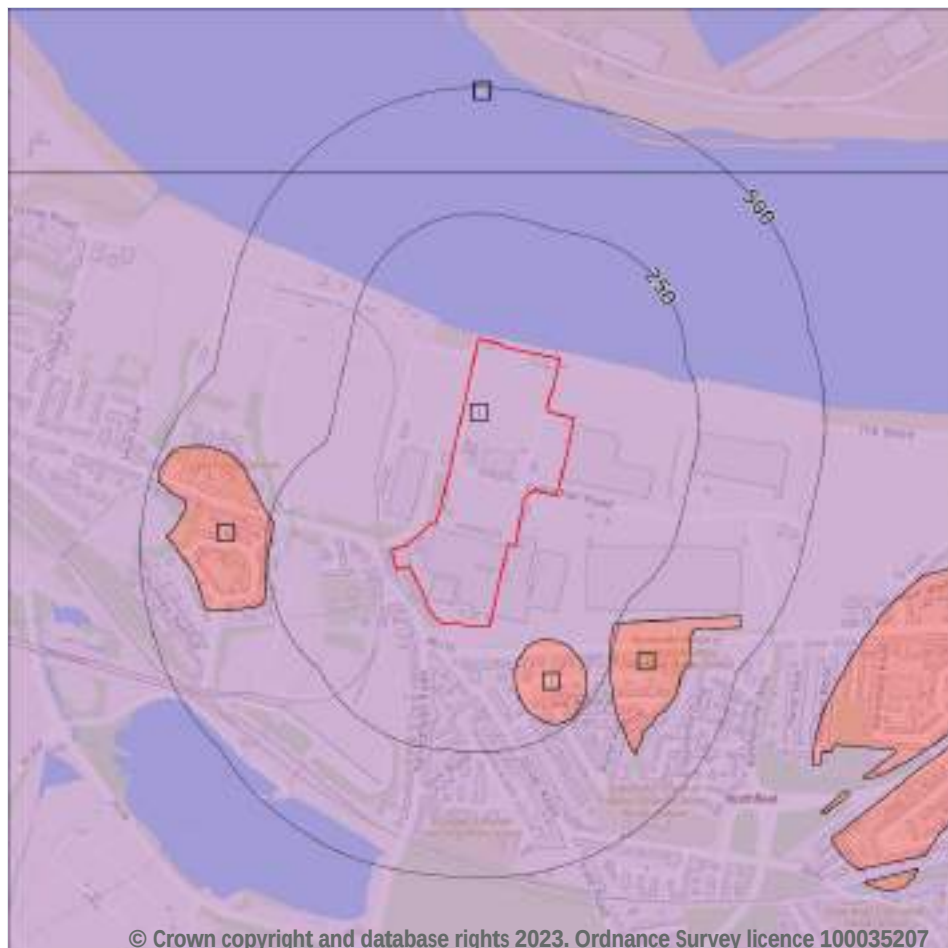
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	34m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
3	310m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	330m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
5	467m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	498m NE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Bedrock aquifer



- Site Outline**
- Search buffers in metres (m)**
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

5

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 118](#) >

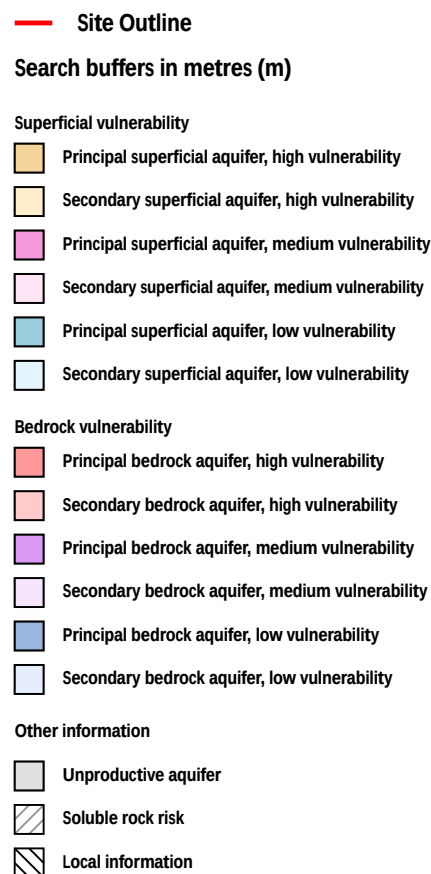
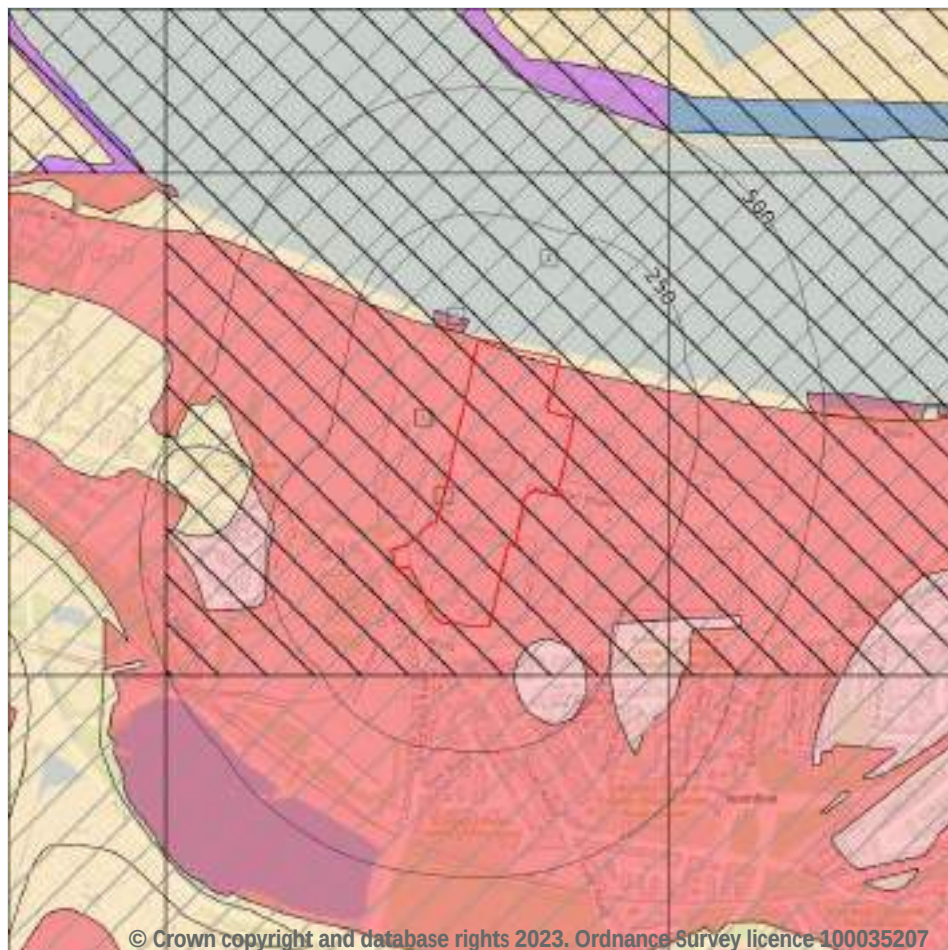
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	85m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	240m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	241m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	330m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

3

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- **High** - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- **Medium** - Intermediate between high and low vulnerability.
- **Low** - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 120](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
2	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
3	34m N	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	1
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This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.	3.0%

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site**1**

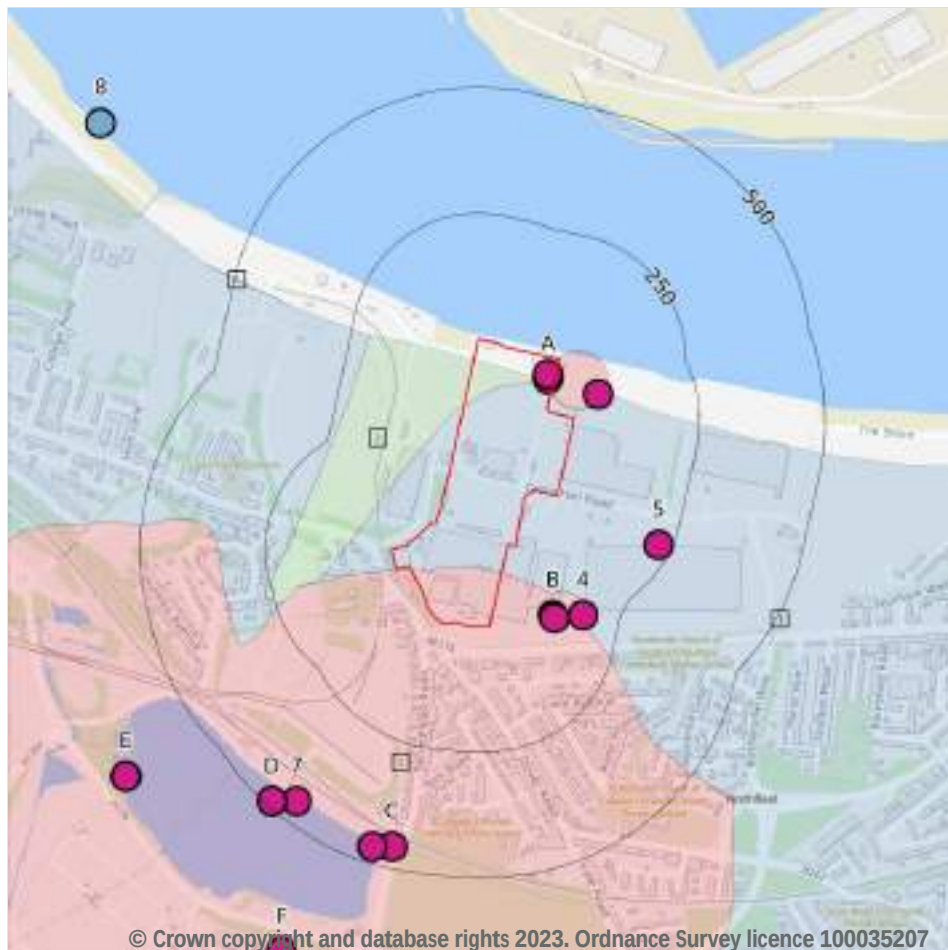
This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ! .

ID	Summary	Additional information
A	Potentially increased vulnerability of the bedrock aquifer due to limited cover by superficial deposits	Removal of, or limited cover of, superficial deposits within the River Thames

This data is sourced from the British Geological Survey and the Environment Agency.



Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)**
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

40

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 123 >](#)

ID	Location	Details	
A	On site	Status: Historical Licence No: 9/40/01/0092/A/GR Details: Boiler Feed Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE AT KIMBERLY CLARK, NORTHFLEET Data Type: Point Name: Kimberly-Clark Limited Easting: 562760 Northing: 174590	Annual Volume (m³): 400000 Max Daily Volume (m³): 1309 Original Application No: - Original Start Date: 27/05/1966 Expiry Date: 31/03/2018 Issue No: 101 Version Start Date: 24/04/2002 Version End Date: -
A	On site	Status: Active Licence No: 9/40/01/0092/A/GR/R1 Details: Boiler Feed Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE AT KIMBERLY CLARK, NORTHFLEET Data Type: Point Name: Kimberly-Clark Limited Easting: 562759 Northing: 174599	Annual Volume (m³): 320000 Max Daily Volume (m³): 1309 Original Application No: NPS/WR/024286 Original Start Date: 01/04/2018 Expiry Date: 31/03/2030 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
A	68m NE	Status: Historical Licence No: 9/40/01/0092/A/GR Details: Boiler Feed Direct Source: Southern Region Groundwater Point: POINT 1, GREENSAND BOREHOLE, NORTHFLEET. Data Type: Point Name: Kimberly-Clark Limited Easting: 562860 Northing: 174560	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 27/05/1966 Version End Date: -
B	118m SE	Status: Historical Licence No: 9/40/01/0092/A/GR Details: Boiler Feed Direct Source: Southern Region Groundwater Point: POINT B, BOREHOLE AT KIMBERLY CLARK, NORTHFLEET Data Type: Point Name: Kimberly-Clark Limited Easting: 562770 Northing: 174120	Annual Volume (m³): 400000 Max Daily Volume (m³): 1309 Original Application No: - Original Start Date: 27/05/1966 Expiry Date: 31/03/2018 Issue No: 101 Version Start Date: 24/04/2002 Version End Date: -



ID	Location	Details	
B	121m SE	Status: Active Licence No: 9/40/01/0092/A/GR/R1 Details: Boiler Feed Direct Source: Southern Region Groundwater Point: POINT B, BOREHOLE AT KIMBERLY CLARK, NORTHFLEET Data Type: Point Name: Kimberly-Clark Limited Easting: 562772 Northing: 174114	Annual Volume (m ³): 320000 Max Daily Volume (m ³): 1309 Original Application No: NPS/WR/024286 Original Start Date: 01/04/2018 Expiry Date: 31/03/2030 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
4	177m SE	Status: Historical Licence No: 9/40/01/0092/A/GR Details: Boiler Feed Direct Source: Southern Region Groundwater Point: POINT 2, GREENSAND BOREHOLE, NORTHFLEET. Data Type: Point Name: Kimberly-Clark Limited Easting: 562830 Northing: 174120	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 27/05/1966 Version End Date: -
5	224m E	Status: Active Licence No: 9/40/01/0092/B/GR Details: Process Water Direct Source: Southern Region Groundwater Point: BOREHOLE 4, CRETE HALL ROAD, NORTHFLEET. Data Type: Point Name: Kimberly-Clark Limited Easting: 562980 Northing: 174260	Annual Volume (m ³): 4710000 Max Daily Volume (m ³): 19656 Original Application No: WR.1969D Original Start Date: 27/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
C	456m S	Status: Active Licence No: 9/40/01/0092/B/GR Details: Process Water Direct Source: Southern Region Groundwater Point: BOREHOLE 2, H5 CHALK, NORTHFLEET. Data Type: Point Name: Kimberly-Clark Limited Easting: 562450 Northing: 173660	Annual Volume (m ³): 4710000 Max Daily Volume (m ³): 19656 Original Application No: WR.1969D Original Start Date: 27/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
7	457m SW	Status: Active Licence No: 9/40/01/0092/B/GR Details: Process Water Direct Source: Southern Region Groundwater Point: BOREHOLE 3, SPRINGHEAD LAKE, NORTHFLEET. Data Type: Point Name: Kimberly-Clark Limited Easting: 562260 Northing: 173750	Annual Volume (m ³): 4710000 Max Daily Volume (m ³): 19656 Original Application No: WR.1969D Original Start Date: 27/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -



ID	Location	Details	
C	466m S	Status: Active Licence No: 9/40/01/0092/B/GR Details: Process Water Direct Source: Southern Region Groundwater Point: BOREHOLE 1, H5 CHALK, NORTHFLEET. Data Type: Point Name: Kimberly-Clark Limited Easting: 562410 Northing: 173660	Annual Volume (m ³): 4710000 Max Daily Volume (m ³): 19656 Original Application No: WR.1969D Original Start Date: 27/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
D	488m SW	Status: Historical Licence No: 9/40/01/0051/GR Details: Evaporative Cooling Direct Source: Southern Region Groundwater Point: POINT A AT BLUE LAKE NORTHFLEET CEMENT WORKS Data Type: Point Name: LaFarge Cement UK PLC Easting: 562210 Northing: 173750	Annual Volume (m ³): 1235375 Max Daily Volume (m ³): 10060 Original Application No: - Original Start Date: 10/04/1967 Expiry Date: - Issue No: 103 Version Start Date: 27/11/2007 Version End Date: -
D	488m SW	Status: Active Licence No: 9/40/01/0051/GR Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: POINT A AT BLUE LAKE NORTHFLEET CEMENT WORKS Data Type: Point Name: Tarmac Cement and Lime Limited Easting: 562210 Northing: 173750	Annual Volume (m ³): 1186000 Max Daily Volume (m ³): 3382 Original Application No: NPS/WR/035230 Original Start Date: 10/04/1967 Expiry Date: - Issue No: 105 Version Start Date: 26/02/2021 Version End Date: -
D	488m SW	Status: Active Licence No: 9/40/01/0051/GR Details: Process Water Direct Source: Southern Region Groundwater Point: POINT A AT BLUE LAKE NORTHFLEET CEMENT WORKS Data Type: Point Name: Tarmac Cement and Lime Limited Easting: 562210 Northing: 173750	Annual Volume (m ³): 1186000 Max Daily Volume (m ³): 3382 Original Application No: NPS/WR/035230 Original Start Date: 10/04/1967 Expiry Date: - Issue No: 105 Version Start Date: 26/02/2021 Version End Date: -



ID	Location	Details	
D	488m SW	Status: Active Licence No: 9/40/01/0051/GR Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: POINT A AT BLUE LAKE NORTHFLEET CEMENT WORKS Data Type: Point Name: Tarmac Cement and Lime Limited Easting: 562210 Northing: 173750	Annual Volume (m ³): 1186000 Max Daily Volume (m ³): 3382 Original Application No: NPS/WR/035230 Original Start Date: 10/04/1967 Expiry Date: - Issue No: 105 Version Start Date: 26/02/2021 Version End Date: -
D	488m SW	Status: Active Licence No: 9/40/01/0051/GR Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT A AT BLUE LAKE NORTHFLEET CEMENT WORKS Data Type: Point Name: Tarmac Cement and Lime Limited Easting: 562210 Northing: 173750	Annual Volume (m ³): 1186000 Max Daily Volume (m ³): 3382 Original Application No: NPS/WR/035230 Original Start Date: 10/04/1967 Expiry Date: - Issue No: 105 Version Start Date: 26/02/2021 Version End Date: -
E	677m SW	Status: Historical Licence No: 9/40/01/0051/GR Details: Evaporative Cooling Direct Source: Southern Region Groundwater Point: POINT B AT BLUE LAKE NORTHFLEET CEMENT WORKS Data Type: Point Name: LaFarge Cement UK PLC Easting: 561920 Northing: 173800	Annual Volume (m ³): 1235375 Max Daily Volume (m ³): 10060 Original Application No: - Original Start Date: 10/04/1967 Expiry Date: - Issue No: 103 Version Start Date: 27/11/2007 Version End Date: -
E	677m SW	Status: Active Licence No: 9/40/01/0051/GR Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: POINT B AT BLUE LAKE NORTHFLEET CEMENT WORKS Data Type: Point Name: Tarmac Cement and Lime Limited Easting: 561920 Northing: 173800	Annual Volume (m ³): 1186000 Max Daily Volume (m ³): 3382 Original Application No: NPS/WR/035230 Original Start Date: 10/04/1967 Expiry Date: - Issue No: 105 Version Start Date: 26/02/2021 Version End Date: -



ID	Location	Details	
E	677m SW	Status: Active Licence No: 9/40/01/0051/GR Details: Process Water Direct Source: Southern Region Groundwater Point: POINT B AT BLUE LAKE NORTHFLEET CEMENT WORKS Data Type: Point Name: Tarmac Cement and Lime Limited Easting: 561920 Northing: 173800	Annual Volume (m ³): 1186000 Max Daily Volume (m ³): 3382 Original Application No: NPS/WR/035230 Original Start Date: 10/04/1967 Expiry Date: - Issue No: 105 Version Start Date: 26/02/2021 Version End Date: -
E	677m SW	Status: Active Licence No: 9/40/01/0051/GR Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT B AT BLUE LAKE NORTHFLEET CEMENT WORKS Data Type: Point Name: Tarmac Cement and Lime Limited Easting: 561920 Northing: 173800	Annual Volume (m ³): 1186000 Max Daily Volume (m ³): 3382 Original Application No: NPS/WR/035230 Original Start Date: 10/04/1967 Expiry Date: - Issue No: 105 Version Start Date: 26/02/2021 Version End Date: -
E	677m SW	Status: Active Licence No: 9/40/01/0051/GR Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: POINT B AT BLUE LAKE NORTHFLEET CEMENT WORKS Data Type: Point Name: Tarmac Cement and Lime Limited Easting: 561920 Northing: 173800	Annual Volume (m ³): 1186000 Max Daily Volume (m ³): 3382 Original Application No: NPS/WR/035230 Original Start Date: 10/04/1967 Expiry Date: - Issue No: 105 Version Start Date: 26/02/2021 Version End Date: -
F	729m SW	Status: Historical Licence No: 01/144 Details: Laundry Use Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE AT SPRINGHEAD ENTERPRISE PARK Data Type: Point Name: Shaws Laundries Ltd Easting: 562230 Northing: 173450	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/07/2000 Expiry Date: 05/06/2003 Issue No: 1 Version Start Date: 28/07/2000 Version End Date: -



ID	Location	Details	
F	729m SW	Status: Historical Licence No: 01/154 Details: Laundry Use Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE AT SPRINGHEAD ENTERPRISE PARK Data Type: Point Name: Berendsen UK Limited Easting: 562230 Northing: 173450	Annual Volume (m ³): 120000 Max Daily Volume (m ³): 400 Original Application No: - Original Start Date: 03/05/2004 Expiry Date: 31/03/2018 Issue No: 5 Version Start Date: 05/12/2014 Version End Date: -
F	729m SW	Status: Active Licence No: 01/154/R01 Details: Laundry Use Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE AT SPRINGHEAD ENTERPRISE PARK Data Type: Point Name: Elis UK Limited Easting: 562230 Northing: 173450	Annual Volume (m ³): 120000 Max Daily Volume (m ³): 400 Original Application No: NPS/WR/035840 Original Start Date: 01/04/2018 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 05/05/2021 Version End Date: -
-	1282m SW	Status: Historical Licence No: 9/40/01/0523/G Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT A, WINGFIELD PARK FARM IN SOUTHFLEET. Data Type: Point Name: Beslee Farms Easting: 561900 Northing: 173000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 12/03/1996 Version End Date: -
-	1282m SW	Status: Historical Licence No: 01/0157 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT A, WINGFIELD PARK FARM IN SOUTHFLEET. Data Type: Point Name: Ebbsfleet Investment (GP) Limited Easting: 561900 Northing: 173000	Annual Volume (m ³): 16843 Max Daily Volume (m ³): 682 Original Application No: - Original Start Date: 17/11/2004 Expiry Date: 31/03/2018 Issue No: 2 Version Start Date: 18/07/2014 Version End Date: -



ID	Location	Details	
-	1570m SW	Status: Active Licence No: 9/40/01/0504/G/R01 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT B, BOREHOLE, H5 CHALK, SOUTHFLEET. Data Type: Point Name: D T G Elliott & Son Ltd Easting: 561660 Northing: 172811	Annual Volume (m ³): 5910 Max Daily Volume (m ³): 910 Original Application No: NPS/WR/012674 Original Start Date: 01/04/2014 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2014 Version End Date: -
-	1570m SW	Status: Active Licence No: 9/40/01/0504/G/R01 Details: General Washing/Process Washing Direct Source: Southern Region Groundwater Point: POINT B, BOREHOLE, H5 CHALK, SOUTHFLEET. Data Type: Point Name: D T G Elliott & Son Ltd Easting: 561660 Northing: 172811	Annual Volume (m ³): 5910 Max Daily Volume (m ³): 910 Original Application No: NPS/WR/012674 Original Start Date: 01/04/2014 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2014 Version End Date: -
-	1571m SW	Status: Historical Licence No: 9/40/01/0504/G Details: General Washing/Process Washing Direct Source: Southern Region Groundwater Point: POINT B, BOREHOLE, H5 CHALK, SOUTHFLEET. Data Type: Point Name: D T G Elliott & Son Ltd Easting: 561660 Northing: 172810	Annual Volume (m ³): 5910 Max Daily Volume (m ³): 909.6 Original Application No: - Original Start Date: - Expiry Date: 31/03/2014 Issue No: 101 Version Start Date: 27/11/2006 Version End Date: -
-	1571m SW	Status: Historical Licence No: 9/40/01/0504/G Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT B, BOREHOLE, H5 CHALK, SOUTHFLEET. Data Type: Point Name: D T G Elliott & Son Ltd Easting: 561660 Northing: 172810	Annual Volume (m ³): 5910 Max Daily Volume (m ³): 909.6 Original Application No: - Original Start Date: - Expiry Date: 31/03/2014 Issue No: 101 Version Start Date: 27/11/2006 Version End Date: -
-	1625m SW	Status: Historical Licence No: 9/40/01/0504/G Details: General Washing/Process Washing Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE, H5 CHALK, SOUTHFLEET. Data Type: Point Name: D.T.G. Elliott & Son Ltd. Easting: 561700 Northing: 172720	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 15/05/1978 Version End Date: -



ID	Location	Details	
-	1625m SW	Status: Historical Licence No: 9/40/01/0504/G Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE, H5 CHALK, SOUTHFLEET. Data Type: Point Name: D.T.G. Elliott & Son Ltd. Easting: 561700 Northing: 172720	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 15/05/1978 Version End Date: -
-	1654m SW	Status: Historical Licence No: 9/40/01/0504/G Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE, H5 CHALK, SOUTHFLEET Data Type: Point Name: D T G Elliott & Son Ltd Easting: 561660 Northing: 172710	Annual Volume (m ³): 5910 Max Daily Volume (m ³): 909.6 Original Application No: - Original Start Date: - Expiry Date: 31/03/2014 Issue No: 101 Version Start Date: 27/11/2006 Version End Date: -
-	1654m SW	Status: Historical Licence No: 9/40/01/0504/G Details: General Washing/Process Washing Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE, H5 CHALK, SOUTHFLEET Data Type: Point Name: D T G Elliott & Son Ltd Easting: 561660 Northing: 172710	Annual Volume (m ³): 5910 Max Daily Volume (m ³): 909.6 Original Application No: - Original Start Date: - Expiry Date: 31/03/2014 Issue No: 101 Version Start Date: 27/11/2006 Version End Date: -
-	1654m SW	Status: Active Licence No: 9/40/01/0504/G/R01 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE, H5 CHALK, SOUTHFLEET Data Type: Point Name: D T G Elliott & Son Ltd Easting: 561660 Northing: 172710	Annual Volume (m ³): 5910 Max Daily Volume (m ³): 910 Original Application No: NPS/WR/012674 Original Start Date: 01/04/2014 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2014 Version End Date: -
-	1654m SW	Status: Active Licence No: 9/40/01/0504/G/R01 Details: General Washing/Process Washing Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE, H5 CHALK, SOUTHFLEET Data Type: Point Name: D T G Elliott & Son Ltd Easting: 561660 Northing: 172710	Annual Volume (m ³): 5910 Max Daily Volume (m ³): 910 Original Application No: NPS/WR/012674 Original Start Date: 01/04/2014 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2014 Version End Date: -

