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Volume 10 Contents

Appendix 10.1

Phase 1 Geoenvironmental Desk Study

**Appendix 10.1
(Appendix A)**

Envirocheck Report (Part 1) (pages 1-255)

Manston Airport, Kent

Phase 1 Geoenvironmental Desk Study



March 2018

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Contents

1.	Summary	5
2.	Introduction	9
3.	Site Description and Environmental Setting	10
3.1	Site location and description	10
3.2	Environmental setting	12
3.3	Regulatory database information	14
	Local Authority Information	15
3.4	Unexploded Ordnance (UXO) Risk Assessment	16
3.5	Site history	16
3.6	Previous reports	18
3.7	Current and historic site activities	23
	3.7.1 Fuel Storage and use (S1)	23
	3.7.2 Firefighting	32
	3.7.3 Maintenance activities	32
	3.7.4 Use and storage of de-icing chemicals (Source S10)	34
	3.7.5 Areas of Infill	34
	3.7.6 Waste disposal areas	34
	3.7.7 Sub-stations (Source S16)	35
	3.7.8 Radiological sources	35
	3.7.9 Other historic activities identified by Gibb Environmental in 1998	35
	3.7.10 Off-site	35
4.	Generic Qualitative Risk Assessment	37
4.1	Conceptual - Model	37
	Potential contamination (Sources)	37
	Potential receptors and exposure pathways	39
4.2	Exclusions from Risk Assessment	39
	Redevelopment workers	39
	Unexploded Ordnance (UXO)	39
4.3	Preliminary risk assessment	40
5.	Geotechnical Assessment	57
	Geological considerations	57
	Running sands	57
	Compressible Ground Stability	57
	Collapsible Deposits	58
	Shrink Swell Clays	58
	Ground Dissolution for Soluble Rocks	58
	Landslide Hazards	58
	Mining Hazards	58
	Solution Features	58
	Tree hazards	58
5.1	Development constraints	59
6.	Conclusions and Recommendations	60
6.1	Conclusions	60
	Contamination	60
	Geotechnical	60
6.2	Recommendations	60



Table 3.1	Historical and current fuel tanks present on site	24
Table 4.1	Historical, Current and Future contaminant sources	37
Table 4.2	Pathways and Receptors	39
Table 4.3	Preliminary Risk Assessment – Risks to future site users and environment from current/historic sources	41
Figures 1.1 to 1.4 Potential Contamination Sources		63

Appendix A	Envirocheck report
Appendix B	Preliminary Risk UXO assessment
Appendix C	Environmental risk assessment methodology
Appendix D	Geotechnical risk register
Appendix E	BGS Borehole Logs
Appendix F	Environmental Search Thanet District Council

1. Summary

Background	<ul style="list-style-type: none"> ▶ AMEC Foster Wheeler Environment & Infrastructure UK Ltd (AMEC Foster Wheeler) was commissioned by RiverOak Strategic Partners (the Client) to prepare a Phase 1 Geoenvironmental Desk Study on land contamination and geotechnical considerations as part of the Environmental Impact Assessment for the Development Consent Order (DCO) application for the reopening and reinstatement of Manston Airport, Kent. ▶ With the development of a new master plan for the airport the Client is seeking to demonstrate, in accordance with Section 23 of the Planning Act, that the airport has the capacity to handle a minimum of 10,000 freight air traffic movements (ATM) per year and therefore provide key additional airport capacity to the southeast of England. ▶ The purpose of this report is to assist the Client, in understanding potential geotechnical hazards and environmental liabilities associated land quality for the proposed development to support the safe and economic development of the site.
Objectives	<p>The objectives of this report are as follows:</p> <ul style="list-style-type: none"> ▶ Review of any existing information, including information obtained from sources such as Landmark Information Group's Envirocheck report; ▶ Provision and review of preliminary UXO Assessment Report. ▶ Site walkover, which did not include the outfall route to Pegwell Bay comprising a pipeline and the waste storage area located in the west of the site. ▶ Desk Study Reporting including collation of the results of the above tasks into a concise report and the development of a Conceptual Site Model and a preliminary Qualitative Risk Assessment (QRA), according to the source - pathway - receptor model. ▶ Identification of information gaps relating to land contamination and any requirements for further assessment. ▶ Geotechnical assessment to identify potential hazards and constraints.
Site Description	<ul style="list-style-type: none"> ▶ The site covers 303.2 hectares and includes a 2,748 m long runway, taxiway and aprons, passenger terminal, carparks, freight handling facility, hangers and other site infrastructure. It also comprises the outfall route to Pegwell Bay and service routes from the highway to the outfall pipeline and a waste storage area located to the west of the site. ▶ The site is an irregular shape, bisected in the northern third by Manston Road running in an east to west direction. The majority of the operational site area is located to the south of Manston Road, including the runway and taxiway occupying the southernmost part of the site. North of the runway and south of Manston Road is the passenger terminal building and car parking in the east and a freight handling facility and aircraft hangers in the west. Some of the warehouse buildings in the western part of the site (the freight handling facility) are still in use by a range of haulage companies. There is also a small charter helicopter business operating from the area adjacent to the warehouses. ▶ To the north of Manston Road there are two masts at the north-western site boundary. ▶ The elevation is 49 m above ordnance datum (AOD) both in the southern and northern parts of the site and steps down towards Manston Road to 41 m AOD. ▶ A Site walkover was carried out by Amec Foster Wheeler from 7th to 9th February 2017.
Proposed development	<ul style="list-style-type: none"> ▶ It is understood based on the most recent development plans that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. A tank farm would be located southeast of the runway.

<p>Site History</p>	<ul style="list-style-type: none"> ▶ The site remained undeveloped from the earliest mapping (1873) until 1915 when aircraft started to use the open farmland of Manston as a site for emergency landings. As well as operational flights, a training school was established at the aerodrome. A runway was built to the south between 1943 and 1944 which include a fuel based fog dispersal system. During World War II, Manston was heavily bombed. The site was used as an emergency landing field for returning bombers suffering from low fuel or technical problems. The airfield became a storage for heavy bombers. During the 1950's the US Airforce used the site as a Strategic Air Command base for its fighter and fighter-bomber units. From 1960, the airfield was back under Royal Air Force (RAF) control. It was designated one of the country's Master Emergency Diversion Airfield for both military and civilian flights. In 1968 site had expanded with taxiway, aprons and buildings. A sub-station is noted in the extreme eastern part of the site from 1977. Two museums had also been developed in the western part of the site by 1995. The RAF operation of the site ceased in 1999 and the airport became Kent International Airport with exclusively civilian air traffic (cargo and passenger flights). The airport closed in 2014. ▶ Between 1873 and 1894, the surrounding areas of the site were grass and agricultural lands. The settlement of Manston was present, at its closest approximately 250m to the north and 600m east of the site. The Ashford Canterbury & Ramsgate Branch railway (which is still present) ran northeast to southwest approximately 300m southeast of the site boundary. From 1894 more buildings/houses were constructed in the surroundings of the site. The road network also extended. From 1949, a tank farm comprising four above storage tanks and another one outside is present in the direct south-eastern vicinity of the site. The tank farm located south of the site has reduced in the number of tanks since 1995 and is now operated by Jentex. The A299 highway, a roundabout and a solar energy farm were constructed to the south of the site during the period 1995-2016.
<p>Site Sensitivity</p>	<ul style="list-style-type: none"> ▶ The site is underlain by the following geological sequence: Made Ground, Quaternary deposits (Head 1 and Head 2) in the north and east, Sand, Silt and Clay (Thanet Formation) in the north-east, White Chalk with flint (Margate Chalk Member and Seaford Chalk Formation) present at the surface in the south of the site. ▶ The site lies entirely within a groundwater source protection zones (SPZ) catchment. The inner zone (SPZ1), where risk of contamination from pollution causing activities is greatest, is identified in a strip beneath the runway. This is surrounded by a wider area of outer zone (SPZ2) that also dominates the area beneath the runway, in the south of the site. The remainder of the site falls within the wider SPZ catchment area (SPZ3). The closest public groundwater abstraction is located approximately 400m to the east of the site. The site lies within a groundwater body with poor chemical quality. The groundwater sensitivity is assessed as Very High in SPZ1 and High in SPZ2. The site is underlain by a Principal aquifer (Chalk). ▶ The soils below the site and surrounding areas are classed as variably permeable urban soils of high leaching potential. As soil information for restored mineral workings and urban areas is based on fewer observations a worst case vulnerability classification is assumed until proved otherwise. ▶ The surface water sensitivity is assessed as moderate to low due to the potential for pollutant transmission water located 2.5 km from site via baseflow or via an interconnected unclassified drains or streams. The site is located within a nitrate vulnerable zone. Approximately 900 m south-east of the main site boundary are The Sandwich and Pegwell Bay as well as the Thanet coast classified as National Nature Reserves, Ramsar sites, Sites of Special Scientific Interest, Special Areas of Conservation and Special Protection Areas. These coastal waters are of Very High sensitivity reflecting their designation. ▶ The Preliminary Unexploded Ordnance (UXO) Risk Assessment undertaken for the site identifies that there is a medium to high probability of UXO encounter on the site (probability rating of 4, on a scale up to 5). It is recommended that in accordance with CIRIA C681 Chapter 5 on managing UXO risks, 6 Alpha, a detailed UXO threat & risk assessment be carried out prior to any intrusive works.

Initial Conceptual Model & Preliminary Environmental Risk Assessment	<ul style="list-style-type: none"> ▶ The site walkover, the initial Conceptual Model and the preliminary risk assessment have identified a number of potential contaminant linkages that are related to bulk fuel installations (BFIs), the burning of petrol along the runway, fuel pipes potentially connected to the BFI to the north east and/or to the runway, the use and storage of “Pyrene” runway foam, the 1996 diesel spill, a burning ground area, the Motor Transport (MT) workshops (former and current), the fuelling and cleaning of aircrafts / helicopters, the use and storage of de-icing chemicals, the waste oil and gas oil installations, the potential materials disposed of at a former air-raid shelter, the acid pits infilled with unknown materials, the car garages and fuel stations, the infilled chalk pits, the waste storage areas, the sub-stations, the Made Ground associated with the former development, the firefighting activities and the Jentex tank farm. The risk rating of the potential linkages range from low to moderate.
Geotechnical Risk Assessment	<ul style="list-style-type: none"> ▶ The following geotechnical constraints across the site have been identified for the site: <ul style="list-style-type: none"> ○ Made Ground extending to depths of up to 0.30 m bgl has been identified within the site boundary overlying the natural soils. The Made Ground is not considered to be a suitable founding stratum and should be excavated prior to any construction or loading across the site. ○ A high risk of ground dissolution for soluble rocks and a moderate risk of collapsible deposits have been identified across the site associated with the underlying chalk. ○ A vertical shaft is recorded within the western area of the site and an adit entry in the eastern area of the site that would require further information to be obtained to determine the extent of mining activity across the site. ○ There is a risk of solution features across the site associated with the underlying chalk that require further investigation to determine the potential impact on any construction work or loading across the site. ○ The identification and location of services has not been undertaken as part of this desk study and therefore the presence of services should be considered prior to any ground investigation and construction works. Appropriate measures should be taken to avoid and protect the existing services as necessary. ○ Potential for infilled chalk pits. ▶ In addition, the presence of existing services may pose some access constraints, with a requirement for measures to avoid or protect them.
Conclusions	<ul style="list-style-type: none"> ▶ The initial CM has identified a number of potential contaminant linkages for receptors including current future site users, controlled waters (aquifer and potentially surface water features) and property. ▶ The risk rating of the potential linkages range from low to high. The highest risk is associated with risks to groundwater from the Jentex fuel farm which partly overlies the groundwater Source Protection Zone 1.

Recommendations

- ▶ A Preliminary UXO Risk Assessment has been undertaken for the site which indicates a medium to high probability of UXO encounter on the site (probability rating of 4, on a scale up to 5). As such a detailed UXO threat & risk assessment should be carried out prior to any intrusive works.
- ▶ The desk based assessment has identified a number of potential geo-environmental constraints associated with the proposed redevelopment / reopening of the airport. To gain a more detailed understanding of these constraints, further assessment is required.
- ▶ Due to the sensitivity of the groundwater we understand there is a desire from the water company operating the abstractions to avoid installation of groundwater wells at the site. It is therefore appropriate that the intrusive investigation takes a stages approach. In the first instance investigating the shallow soil using trial pits and window samples to determine if there is evidence of contamination. This would then determine the need for and scope of any direct investigation of the groundwater while minimising disturbance of the aquifer highly sensitive to turbidity.
- ▶ Whilst geotechnical issues are not a material planning consideration, geotechnical data will be required at a later stage to inform the detailed design of the proposed development. Adopting a combined geotechnical approach at the outset, making use of ground investigation undertaken to support planning, to obtain initial geotechnical data, would avoid duplication and present a saving in terms of cost and programme. The combined approach would also assist in highlighting any ground abnormalities, although it is acknowledged that more detailed geotechnical assessment may be required once the form and layout of the proposed development is confirmed.

2. Introduction

Background and objectives

AMEC Foster Wheeler Environment & Infrastructure UK Ltd (AMEC Foster Wheeler) was commissioned by RiverOak Strategic Partners (hereafter referred to as 'RiverOak') (the Client) to prepare a Phase 1 Desk Study on land contamination and geotechnical considerations as part of the Environmental Impact Assessment for the Development Consent Order (DCO) application for Manston Airport, Kent.

In order to secure the reopening and reinstatement of Manston Airport, RiverOak are seeking to secure a DCO under the Planning Act 2008. With the development of a new master plan for the airport the Client is seeking to demonstrate, in accordance with Section 23 of the Planning Act, that the airport has the capacity to handle a minimum of 10,000 freight air traffic movements (ATM) per year and therefore provide key additional airport capacity to the southeast of England.

The purpose of this report is to assist the Client, in understanding potential geotechnical hazards and environmental liabilities associated with land quality for the proposed development to support the safe and economic development of the site.

Scope of Work

This report has been completed in line with Amec Foster Wheeler's proposal to the Client and comprises the following scope of work:

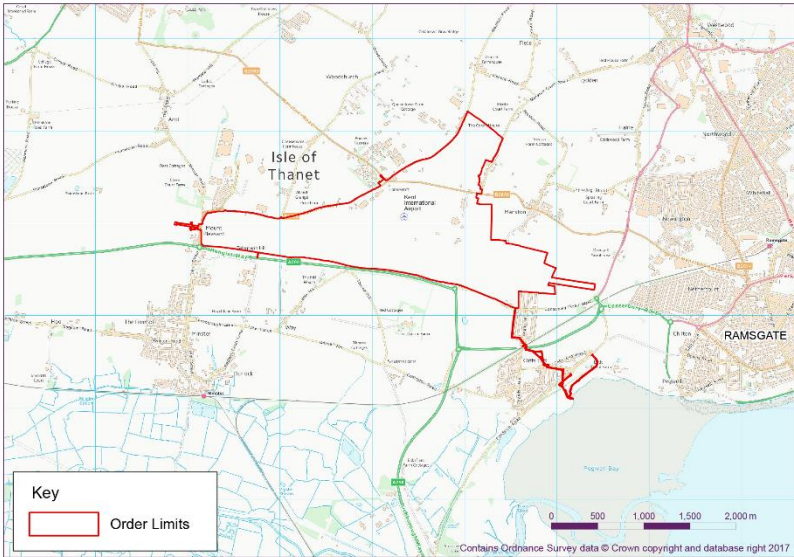
- ▶ Review of any existing information, including information obtained from sources such as Landmark Information Group's Envirocheck report;
- ▶ Provision and review of preliminary UXO Assessment Report;
- ▶ Site walkover, which did not include the outfall route to Pegwell Bay comprising a pipeline and the waste storage area located in the west of the site;
- ▶ Desk Study Reporting including collation of the results of the above tasks into a concise report and the development of a Conceptual Model and a preliminary Qualitative Risk Assessment (QRA), according to the source - pathway - receptor model;
- ▶ Identification of information gaps relating to land contamination and any requirements for further assessment; and
- ▶ Geotechnical assessment to identify potential hazards and constraints.

Limitations

The conclusions reached and advice given in this report are based in part upon information and/or documents that have been prepared by third parties. In view of this, Amec Foster Wheeler accept no responsibility or liability of any kind in relation to such third party information and no representation, warranty or undertaking of any kind, express or implied, is made with respect to the completeness, accuracy or adequacy of such third party information. The site visit did not include inspection inside buildings nor discussions with current site staff on current or previous activities on the site.

3. Site Description and Environmental Setting

3.1 Site location and description

Site address	Manston Road, Manston, Ramsgate, Kent CT12 5BQ	
Grid reference	633340, 165960	
Site area	Approximately 303.2 hectares	
Proposed use	<p>► Redevelopment for commercial use with the reopening and reinstatement of Manston Airport. It is understood that the future development would consist of commercial buildings and hardstanding with some green areas in the northern part of the site, and buildings and hardstanding areas located in the central part of the site, between the runway and Manston Road. The tank farm would also be located within this area. An outfall pipeline will be used for treated surface run-off. It ultimately discharges to Pegwell Bay.</p>	
Site location	<p>The site is located to the west of Ramsgate in Thanet, East Kent.</p> 	
Boundaries (Land uses and relevant features)	Adjacent	Beyond (within 200m)
North	Agricultural lands and a solar energy facility to the north-east.	Commercial and residential development and agricultural land.
East	Manston Road, Manston village, a quarry and a golf centre.	Commercial and residential development, agricultural land and the A256.
South	Canterbury Road connected to Hengist Way (A299) by a round-about.	Commercial and residential development (including Minster village and Minster primary school) and agricultural land.
West	The B2190 and the Spitfire way Royal Air Force (RAF) Spitfire and Hurricane museum, and Manston Road.	Commercial and residential development and agricultural land.

Site description and current activities

The site covers 303.2 hectares and includes a 2,748 m long runway, taxiway and aprons, passenger terminal and car parks, freight handling facility, hangers and other site infrastructure. It also comprises the outfall route to Pegwell Bay and service routes from the highway to the outfall pipeline and a waste storage area located to the west of the site.

The site is an irregular shape, bisected in the northern third by Manston Road running in an east to west direction. The majority of the operational site area is located to the south of Manston Road, including the runway and taxiway occupying the southernmost part of the site. North of the runway and south of Manston Road is the passenger terminal building and car parking in the east and a freight handling facility and aircraft hangers in the west. Some of the warehouse buildings in the western part of the site (the freight handling facility) are still in use by a range of haulage companies. There is also a small charter helicopter business operating from the area adjacent to the warehouses. To the north of Manston Road there are two masts at the north-western site boundary and a potentially still existing tank farm to the north-east.

The elevation is about 50 m above ordnance datum (AOD) both in the southern and northern parts of the site and steps down towards Manston Road to 41 m AOD.

A Site walkover was carried out by Amec Foster Wheeler from 7th to 9th February 2017. The site visit did not include the outfall route to Pegwell Bay comprising a pipeline and the waste storage area located in the west of the site. RPS have carried out a survey of the pipeline and indicate that the pipeline is in a condition which will not require any structural works before being used for drainage purposes, works will be limited to maintenance activities (i.e. jetting and cleaning with some defects which needs to be monitored and could be treated in future)¹. The route of the pipeline crosses both private properties and public roads / railways before discharging into Pegwell Bay. However the survey report or any additional information has not been provided to AFW. No walkover of the pipeline route was undertaken by AFW during this phase 1 report preparation. The Site is mainly covered by grassed areas. Hardstanding was found in the areas associated with the aprons, the former passenger terminal and car parking, the runway and the warehouse buildings and workshops that comprise an engineering company for the maintenance of aircrafts, a helicopter pilot training, a lorry haulage company and a building that belongs to the MOD. It is understood from discussion with a former site employee that the hardstanding cover is made with reinforced concrete except for the runway.

The Site hardstanding was found in rather good condition but with some alterations or cracks noticed and grass growing in the joints between the slabs at some locations.

The observations from the site walkover have been used to inform section 3.7

The most recent development plans (dated 12/02/2018) suggest that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. One tank farm would be located southeast of the runway.

Services

No detailed service plans have been obtained or reviewed as part of this Geo-environmental Desk Study report.

¹ Email from RPS (Chris Johnson) to Amec Foster Wheeler dated 11th December 2017

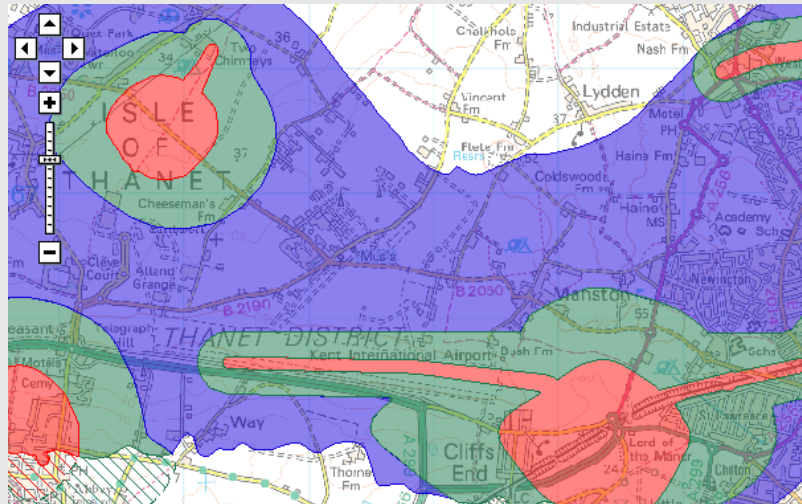
3.2 Environmental setting

Geology & hydrogeology	Information obtained from the BGS mapping website (http://mapapps.bgs.ac.uk/geologyofbritain/home.html) including borehole logs, BGS maps (geological map, sheet no. 274, Ramsgate, 1:50,000, published 1980 and hydrogeological map of the Chalk and Lower Greensand of Kent, sheet no. 3, 1:126,720, published 1970) and the Envirocheck report included in Appendix A.			
Strata	Brief description of typical constituents	Average depth to upper surface (m bgl) or thickness (m)	Aquifer and approximate water level if known	Notable features
Topsoil	Dark grey sandy topsoil	Upper Surface at Ground Level Thickness 0.2m	n/a	Recorded in trial pits in the centre, north and east of the site
Made Ground	Fill material (cinders, chalk, building rubble)	Upper Surface at Ground Level Thickness 0.3 m (based on BGS trial pits onsite)	n/a	Recorded in trial pits in the centre and north of the site, but potentially located across the majority of the site due to site historical use.
Quaternary deposits (Head 1 and Head 2)	Mainly interglacial wind-blown sands with Clay and Silt	Upper Surface at 0.1m Thickness 1.1 m (based on BGS trial pits onsite)	n/a	Recorded in trial pits in the centre and east of the site.
Thanet Formation (TAB)	Sand, Silt and Clay	Upper Surface at Ground Level Thickness up to 30 m (based on BGS website - map)		Potentially located north-east of the site but not encountered in the trial pits recorded on BGS website
Newhaven Chalk Member (Formerly the Margate Chalk member (MaCk))	White chalk with little flint.	Upper Surface at 1 m (based on BGS trial pits on site) Thickness approximately 25 m south of the site (estimated based on BGS boreholes TR36NW3)	Bedrock Aquifer (Principal Aquifer)	Located across the whole site.
Seaford Chalk Formation (SECK)	White chalk with flint	From approximately 25 m Thickness ca. 28.5 m south of the site (estimated based on BGS boreholes TR36NW3)		
Hydrogeological sensitivity	<p>The entire site and surrounding area is underlain by solid geology in the form of the Chalk Formation that provides a significant amount of water to the Southern Water Kent Thanet Water Resource Zone (KT-WRZ). The Chalk bedrock is classified as a Principal Aquifer. A Principal Aquifer is described by the EA (2015²) as layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale.</p> <p>Borehole and Trial Pit records are available on the BGS website for several areas across and around the site. The information recorded indicates that groundwater was encountered during drilling at 44.3 m bgl in the east of the site and 40.25 m bgl in the southeast of the site. Across the</p>			

² [http://maps.environment-agency.gov.uk/wiyby/wiybyController?x=634500.0&y=166500.0&topic=groundwater&ep=map&scale=9&location=Manston, Kent&lang=_e&layerGroups=default&distance=&textonly=off](http://maps.environment-agency.gov.uk/wiyby/wiybyController?x=634500.0&y=166500.0&topic=groundwater&ep=map&scale=9&location=Manston,Kent&lang=_e&layerGroups=default&distance=&textonly=off)

Manston Airport site groundwater flow is from the north east to south west, with water levels falling from around 7m AOD to 3m AOD³

The site lies entirely within a groundwater source protection zone (SPZ) catchment. The inner zone (SPZ1), where risk of contamination from pollution causing activities is greatest, is identified in a strip beneath the runway – in red on the map below. This is surrounded by a wider area of outer zone (SPZ2) that also dominates the area beneath the runway, in the south of the Site – in green on the map below. The remainder of the site falls within the wider SPZ catchment area (SPZ3) – in blue on the map below.



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There are no public water supply abstractions located within the site boundary, but a number of people and organisations abstract water from groundwater or ponds/lakes up to 1000m outside the site boundary (6 located within 500m, and a further 3 up to 1000m from the site boundary). The abstractions are for private water undertaking, public water supply and agriculture. Thanet District Council confirm that there are no known private water supplies within a 2km radius of the centre of the Manston Airport Site.

The Lord of the Manor public water supply (PWS) abstraction is closest to Manston Airport, located approximately 385 m from the eastern site boundary. The source consists of two wells, Lord of the Manor and Whitehall (the latter is disused and sealed) with three adits. The source was constructed at the southern edge of Thanet to abstract groundwater which would have discharged south towards the sea, and to intercept any high permeability zones. The Whitehall abstraction was drilled in 1850, and suffered from saline intrusion, being close to the coast. Lord of the Manor was constructed to intercept the same adit system to alleviate the saline intrusion issue (Aquaterra, 2007). There are three adits at the Lord of the Manor PWS; the Eastern, Western and South-Western Adit, constructed in the 19th and early 20th century. The most significant abstractive relevant to the Manston airport development is the Lord of the Manor source. The catchment includes Manston Airport which sits in the south west of the catchment with its runway over the western adit, the main rail-line to London, and the A299; the groundwater source protection zone for this borehole extends below the existing airport runway.

The site lies within a groundwater body with a poor chemical quality.⁴ Primarily groundwater in the Thanet Chalk Block has high levels of nitrate at levels at or exceeding current Drinking Water Standards (DWS) limits.

The soils on and surrounding the site are classed as variably permeable urban soils of high leaching potential. As soil information for restored mineral workings and urban areas is based on fewer observations a worst case vulnerability classification is assumed until proved otherwise.

³ Hydrogeological Impact Assessment Amec Foster Wheeler March 2018

⁴ <http://environment.data.gov.uk/catchment-planning/OperationalCatchment/3282/classification?item=106&status=all>

Groundwater sensitivity	The groundwater sensitivity is assessed as very high ⁵ in SPZ1 and high in SPZ2. The site is underlain by a Principal Aquifer, the nearest abstraction is less than 0.5 km from the site and the site is in a SPZ.
Hydrology	There are no surface water features on the site. A reservoir is located approximately 350m to the south of the site. The nearest major river is the River Stour located approximately 2.5 km south of the site boundary, flowing eastwards to the English Channel. The River Stour is classified as Moderate ecological quality status within the Water Framework Directive assessment (WFD) as issued on the Environment Agency website. ⁶ The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use. Pegwell Bay is an ecological sensitive water body.
Surface water sensitivity	The surface water sensitivity is assessed as moderate to low ⁵ due to the potential for pollutant transmission water located 2.5 km from site via baseflow or via an interconnected unclassified drain or stream.
Coastal water sensitivity	Thanet coast is located approximately 900 m southeast of the main site boundary. The coastal water sensitivity is assessed as very high ⁵ . It is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use. The site drainage also ultimately discharges to Pegwell Bay
Sensitive land uses	The site is located within a nitrate vulnerable zone. Approximately 900 m south-east of the site boundary are The Sandwich and Pegwell Bay as well as the Thanet coast classified as National Nature Reserves, Ramsar sites, Sites of Special Scientific Interest, Special Areas of Conservation and Special Protection Areas ⁷ .
Ecological sensitivity	<p>The ecological sensitivity is assessed as very high due the sensitivity of Sandwich Bay, Pegwell Bay and the Thanet coast which are classified as:</p> <ul style="list-style-type: none"> • National Nature Reserves (Sandwich and Pegwell Bay); • Ramsar sites (Thanet Coast and Sandwich Bay); • Sites of Special Scientific Interest (Thanet Coast and Sandwich Bay); and • Special Areas of Conservation and Special Protection Areas (Thanet Coast and Sandwich Bay)ⁱ. <p>These designations are also reflected in the coastal water sensitivity.</p>

3.3 Regulatory database information

Only regulatory data within 250m with the potential to impact the site has been detailed below, please refer to Appendix A for the complete regulatory data set within the Envirocheck.

Activity	On-Site	0-250m	Details
Aviation Services	2	2	Aviation Engineers (1) Control Panels (1) Onsite: 2 registered airports : Kent International Airport and Manston Airport
Building Services	0	1	Builders' merchants (1)

⁵ NHBC/ CIEH / Environment Agency, Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66: 2008

⁶ <http://environment.data.gov.uk/catchment-planning/OperationalCatchment/3282/classification?item=106&status=all>

⁷ www.magic.gov.uk

Car services (body repairs and dismantlers etc)	2	7	Onsite: 1 car dealer, inactive and 1 garage service inactive – not seen during the February 2017 site visit, Car Dealers (2) Car Repair (2) Garage Services (3) Mot testing centres (2)
Dry cleaners/Cleaning Services	0	1	Carpet/Curtain Cleaners & upholstery services (1)
Generators Sales & Service	0	1	Generators sale & service (1)
Joinery & window tinting	0	2	Joinery Manufacturers (1) Window Tinting (1)
Waste management/transfer/treatment facilities/disposal	0	1	Waste disposal service (1)
Water Coolers	0	1	Water Coolers (1).
Fuel stations	0	8	Petrol Station (4) : 2 to the southwest (1 open, 1 obsolete), 1 to the southeast (closed) and 1 to the northwest (closed) Filling station (1 (inactive)- same address as obsolete petrol station to the southwest) Oil Fuel Distributors (3 – all at the Jentex site address but with a different name: Jentex petroleum ltd, Anthony Jenkins Fuel Oils, jentex)
Mineral Site	0	1	Metal Products (1)
Landfills	0	3	1 historical landfill 76 m north-northwest from site boundary- Manston road – used between 1974 to 1987 for inert waste 2 historical landfills 268 m and 270 m west from site boundary (Sunnybank used between 1976 to 1984 for inert waste and Allan Grange lane also used for inert waste).
Radon	-	-	The site is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level. No radon protective measures are necessary in the construction of new dwellings or extensions.

Local Authority Information

An environmental information request was submitted to the Thanet District Council. The environmental information received includes historical land uses at the Site and its surroundings, maps with the locations of the groundwater source protection zones, the Environment Agency landfill atlas data, the discharge consents and the abstraction data. Information on the Council's Contaminated Land Register has also been provided – refer to Appendix F.

The Council information confirms that the site overlies the former Kent International Airport which had former uses as an RAF base and commercial airport. According to the Council there is a potential for contamination of the ground from leaks or spills (of fuel/oil/hydrocarbons), presence of asbestos containing materials

(ACMs), Unexploded Ordnances (UXOs) from World War II activities and a variety of products used in the running and maintenance of commercial and military airfields and aircraft.

Based on the Council's records, there are various potentially contaminated features within 250m of the Site, including former fuel depot, cemetery, hospital, laundry, military land, petroleum tanks, quarry, road haulage, filled ground, brick works, refuse disposal and Petrol Filling Station (PFS).

The Council does not hold information on historic Military of Defence (MOD) remediation of the Site.

The Council is not intending to take action under Part IIA of the Environment Protection Act 1990 based on the information currently held.

3.4 Unexploded Ordnance (UXO) Risk Assessment

A Preliminary UXO Risk Assessment has been undertaken for the site and included in Appendix B.

The report identifies that there is a medium to high probability of UXO encounter on the site (probability rating of 4, on a scale up to 5).

The report recommends that in accordance with CIRIA C681 Chapter 5 on managing UXO risks, a detailed UXO threat & risk assessment should be carried out prior to any intrusive works.

According to the Land Quality Assessment Phase One from GIBB Environmental⁸, Explosive Ordnance Disposal (EOD) clearance surveys were performed by the MOD at the site in the past, however grassed areas surrounding the runway, and notably two parcels located south east of the runway, and hardstanding covered areas were usually not subject to a EOD search and clearance.

3.5 Site history

A summary of the historical development of the site, based on historical **Ordnance Survey (OS)** maps (1:10,000 and 1:2,500) and the Land Quality Assessment Phase One from GIBB Environmental⁸, is presented below. The historical maps can be found within the Envirocheck report in Appendix A. Where relevant, interpretation of the maps is supported by knowledge from historical websites for the site and its surroundings⁹.

1873-1894

On Site: The earliest available map dates 1873 and shows the site as grassland and agricultural land. Two chalk pits have been identified within the site boundaries in the central eastern area of the site. A track and a road cross the central and southwestern parts of the site respectively. A windmill was present in the southwest part of the site.

Telegraph Hill is present in the southwest part of the site. This is noted as being an area where 'ancient British and Saxon coins' have been found. Also in the vicinity of Telegraph Hill a 'Pit' is noted. This is detailed further in the Envirocheck report as a vertical shaft with chambers at the base. It is likely that this is a former chalk mine.

Off-Site: The surrounding areas were predominantly grass and agricultural lands at that time. A reservoir and a brick works were present in the direct northern vicinity of the site. There was one pond directly to the north-east of the site. Several chalk pits were present to the east, south and southwest of the site. A number of buildings/houses with small woodlands were present around the site. The settlement of Manston is present, at its closest approximately 250m to the north and 600m east of the site. The Ashford Canterbury & Ramsgate Branch railway runs northeast to southwest approximately 300m southeast of the site boundary.

⁸ Land Quality Assessment Phase One: Desk Study land Quality Statement. Project No. 10133 – Final report, August 1998, GIBB Environmental

⁹ <http://www.spitfiremuseum.org.uk/rafmanston>

1894 – 1938

On Site: No significant changes are noted within the site boundaries on the 1894 to 1938 editions. The two chalk pits are no longer present on the maps dating 1896 onwards, suggesting they may have been infilled. The windmill in the south-western part of the site was also no longer present on maps dating 1896.

Information obtained from the internet⁹ indicates that aircraft started to use the open farmland of Manston for emergency landings during the winter of 1915-16. An aerodrome was established at the site shortly after including operational flights and a training school⁹. By 1918 the airfield comprised some hangars and wooden huts on the east side and the major concentration of hangars and buildings on the west side. Several training schools were implemented between 1921 and 1936 and additional facilities – classrooms and barracks – were built¹⁰.

Off-Site: More buildings/houses were constructed at numerous locations in the surrounding areas of the site, as well as extensions and additions to the road network. From 1908 a laundry and a tank were located south-southwest of the site. By 1938 a second reservoir had been developed to the north of the site and the brick works were no longer present. Some of the chalk pits seem to have been infilled. One of them (south) became a reservoir. The tank is no longer shown on the map from 1938.

1939 – 1951

On Site: Map detail is limited during this date range, which is likely to be due to World War II. Details of military establishments were often limited or removed from OS maps during the war period. An aerial photograph included in the Envirocheck Report dated 1947-1949 shows the presence of a runway in the southern part of the site. By 1941, the airfield had two grass strips of 5,700ft (NE/SW) and 4800ft (N/S).

During World War II, Manston was heavily bombed. The site was used as an emergency landing field for returning bombers suffering from low fuel or problems to their hydraulic systems⁹. Three emergency landing strips (concrete) and associated taxiways and dispersals, i.e. equipment for FIDO consisting of the burning of petrol along the runway to disperse fog⁸ were built between 1943 and 1944 and the runway opened in April 1944¹⁰. Petrol – approximately 250 000 gallons to run the system during one hour - was supplied from the tanks located in the fuel farm south-east of the runway and distributed through below and above ground pipelines running along the east of the runway⁸. The airfield became a storage for heavy bombers. During the 1950's the US Airforce used the site as a Strategic Air Command base for its fighter and fighter-bomber units⁹.

Off-Site: A pumping station was located in the surrounding area to the northwest of the site from 1939. In the direct south-eastern vicinity of the site a tank farm is visible on an aerial photograph dating from 1949.

1960 – 1968

On Site: From 1960, the airfield was back under RAF control from the US Airforce and was designated one of the country's Master Emergency Diversion Airfield for both military and civilian flights⁹ due to its runway and its facility for foam-laying¹⁰. The most significant unit that took up residence was the Fire Service Training Establishment¹⁰. Trials associated with pyrene runway foamer¹¹ - used to cushion aircraft during emergency landings – were first tested in 1963 and then carried out between 1964 and 1980 from mobile tankers held on standby⁸. The map from 1968 shows that the site had been developed with taxiways, aprons and buildings in addition to the runway which was already present at the site.

Off-Site: More buildings / houses had been constructed at numerous locations in the surroundings of the site. A reservoir that was located south of the site near a chapel and labelled as “disused” on the previous map is no longer present at that time.

1977 – 1995

On Site: A sub-station is noted in the extreme eastern part of the site from 1977. No other significant changes are noted within the site boundaries between 1977 and 1995.

Off-Site: No significant changes are noted in the areas directly surrounding the site between 1977 and 1995.

1995 – present

¹⁰ THE MILITARY AIRFIELDS OF BRITAIN – Southern England, Ken Delve, Crowood (ISBN 1-86126-729-0)

¹¹ Product is understood to contain carbon-tetrachloride - <https://www.google.com/patents/US1010870>

On Site: Two museums have been developed in the western part of the site. No other major changes are noted within the site boundaries. The RAF operation of the site finished in 1999 and the airport became Kent International Airport operating civilian air traffic (cargo and passenger flights)⁹. Kent International Airport ceased operations in 2014.

Off-Site: The tank farm located south of the site appears to have reduced in the number of tanks during this period. The A299 highway, a roundabout and a solar energy farm were constructed to the south of the site during this period.

3.6 Previous reports

Three reports were provided by the client for review by Amec Foster Wheeler.

Land Quality Assessment Phase One: Desk Study land Quality Statement. Project No. 10133 – Final report, August 1998, GIBB Environmental⁸:

A Phase 1 desk study was prepared for the Ministry of Defence (MOD) for Manston airfield. It comprised the review of publicly available and historical information from books, information provided by the Establishment Works Consultant (EWC), a summary of the site walkover carried out in May 1998, and a qualitative risk assessment.

The observations from this report have been used to inform Sections 3.4 and 3.7 of the current report.

Geo-environmental Assessment, Jentex petroleum, Cliffsend, Kent, Jentex GEA-18996-15-134, May 2015, Idom Merebrook Ltd¹²:

The Phase 1 desk study includes the findings of an intrusive Phase 2a investigation carried out at the petroleum depot located directly southeast of Manston airfield at Canterbury road. A preliminary risk assessment was prepared to advise on the geo-environmental implications of the re-development of the site from industrial/commercial to residential. The intrusive investigation included three cable percussion boreholes advanced down to 10.45 m bgl and 15 trial holes dug to 4m bgl. The western part of the site was not included in the investigation.

According to Idom Merebrook, the geology encountered was Made Ground directly overlying Chalk. Ground or perched – water was not encountered. 25 soil samples, including 14 samples from natural ground and 11 samples from Made Ground, were collected and analysed for asbestos, pH, heavy metals, TPH, BTEX, PAHs, and Phenols. Shallow soils were found to be impacted with PAHs and asbestos.

The risk to the current and future site users was assessed as being low to moderate, likely requiring mitigation measures. No volatile contamination was identified. The risk to the underlying chalk aquifer was considered to be low. However a further supplementary investigation was agreed with the EA in order to confirm whether or not the contamination had extended to the chalk strata. The supplementary investigation was reported in May 2016, which is summarised below.

Geo-environmental Assessment Report, Jentex – Supplementary Assessment, Cliffsend, Kent, Jentex Group of Companies, GEA-18996B-16-144, May 2016, Idom Merebrook Ltd¹³:

The report presents the findings of a supplementary intrusive investigation conducted at the petroleum depot, located directly southeast of Manston airfield at Canterbury road, in order to verify whether or not the hydrocarbon impacted identified during the 2015 investigation had extended to the chalk strata.

Two boreholes were advanced down to 10m bgl and eight trial pits dug to a maximum depth of 3.5m bgl. The geology encountered was Made Ground overlying Head deposits which were underlain by Chalk. Ground or perched-water was not encountered during the drilling works.

24 soil samples, including 16 from natural ground and eight from Made Ground, were collected and analysed asbestos, pH, heavy metals, TPH, BTEX, PAHs, Cyanide and Phenols. Localised hydrocarbon (mainly TPH)

¹² Geo-environmental Assessment, Jentex petroleum, Cliffsend, Kent, Jentex GEA-18996-15-134, May 2015, Idom Merebrook Ltd

¹³ Geo-environmental Assessment Report, Jentex – Supplementary Assessment, Cliffsend, Kent, Jentex Group of Companies, GEA-18996B-16-144, May 2016, Idom Merebrook Ltd

- and lead at a few locations - impact was detected in shallow soils. No contamination was found to be extending to depth therefore the risk to the Chalk aquifer was estimated as being likely not significant.

In addition to the listed above reports, a Phase 1&2 report prepared in connection with the Kent International Airport radar mast application was reviewed by Amec Foster Wheeler as advised by the Thanet District Council.

Kent International Airport Manston, Radar Mast development, Phase 1 and 2 Contaminated Land Assessment, June 2010, Jacobs:

A Phase 1 & 2 Contaminated Land Study was undertaken by Jacobs to support the planning application for the installation of radar mast at the airport. The radar mast was proposed to be located in the north western part of the Site next to the Manston road and north of the Spitfire and Hurricane museums. A site visit was carried out in October 2009. The findings were that the area where the radar mast was intended to be installed consisted of an area of concrete hardstanding which was possibly the foundation for a previous installation. The surroundings areas were open grassed lands.

The Phase 1 study summarizes the findings of the previous investigations that were undertaken at various part of the Site - at the runway, the bulk fuel installation facilities, the fire rescue building and the former MOD domestic site. Elevated concentrations of hydrocarbons were detected above the soil screening guidelines used at the time of those investigations. Concentrations of up to 41,657 mg/kg, i.e. above the Dutch Intervention level of 5,000 mg/kg used at the time, were identified during the fuel compound's investigation in 1999. In addition the study identified the other following potential sources of contamination:

- ▶ Made ground identified as widespread across the airport during the 1999 intrusive investigation – contaminants could include heavy metals, hydrocarbons, asbestos, volatile organic compounds;
- ▶ Historical FIDO operations – potential presence of hydrocarbons;
- ▶ Potential leaks from mobile fuel tanks that were not equipped with a spill protection;
- ▶ Several waste management sites, including an historic landfill, two active waste transfer sites and a closed landfill, located within 300m east of the Site – contaminants could include heavy metals, hydrocarbons, organic compounds;
- ▶ An active petrol station and garage (Drome) and an inactive car body works located within 250m north east of the Site – contaminants could include hydrocarbons, solvents;
- ▶ An active road haulage services facility located approximately 450m east of the Site – contaminants could include hydrocarbons, solvents;
- ▶ Potential presence of radioactive material as a hotspot of radioactive material was previously detected at the fire training school which is located close to the potential location of the radar mast (the source of this was not indicated and no additional evidence was provided);
- ▶ Potential residual buried UXO from previous Site use as RAF airfield during World War II; and
- ▶ Use of glyphosate based weed killers at the airport.

An intrusive Phase 2 Site investigation was carried out in March 2010. It included five window sample borings excavated down to 4m bgl in the area of the proposed radar mast location. The geology encountered was Made Ground (between 0 and 0.3m bgl) overlying Clay (between 0.25 and 3.2m bgl) which were underlain by Chalk (between 1.4 and 4m bgl). Groundwater was not encountered during the intrusive works. 10 soil samples were collected within the made ground and the chalk and analysed for heavy metals, pH, total organic carbon (TOC), PAHs, TPH, speciated extractable petroleum hydrocarbons, volatile and semi volatile organic compounds, asbestos screen and glycols. In all the samples the concentrations detected were below the relevant screening criteria (generic assessment criteria (GAC) 2009 for human health for commercial end use and withdrawn soil guideline value 2002 for lead). TPH, for which no GAC were available, were detected with concentrations ranging from 4,11mg/kg and 258mg/kg.

In addition a Phase 2 report was provided to Amec Foster Wheeler by RPS.

Site Investigation Tank 2, Base Validation, Jentex, The Storage Installation, Canterbury Road West, Ramsgate, Kent, CT12 DU, Ref: 07R898, 2007 Randall & Walsh Associates

The report summarises the findings of an intrusive site investigation carried out at the petroleum depot, located directly southeast of Manston airfield by RAW Group, following the decommissioning and demolition of a fuel oil storage tank (named Tank 2). Tank 2 was originally built on a brick bund directly over the Chalk Formation. It had a capacity of 2,000,000 litres. The intrusive investigation comprised eleven trial pits excavated down to 0.3m bgl across Tank 2's former location and six soil borings advanced down to 1m bgl in the embankment that surrounded the former location of the tank. Chalk was encountered from ground level to 0.3m bgl in the trial pits.

Topsoil including Chalk fragments was encountered from 0 to 1mbgl in the embankment. Fifteen soil samples were collected from selected trial pits and soil boreholes. A soil sample was also collected from a stockpiled Sand that had previously been scraped back from underneath Tank after it had been decommissioned. Samples were analysed for speciated TPH by GC-FID, volatile organic compounds and BTEX. A maximum TPH concentration of 11mg/kg was detected beneath the former location of Tank 2. A maximum TPH concentration of 390mg/kg was detected in the area surrounding former Tank 2's location. A maximum TPH concentration of 320mg/kg was detected in the soil embankment. In all the samples the concentrations detected were below the 2002 Soil Guidance Values (SGVs) and the RAW in-house generic soil screening values (SSV) derived using the SNIFFER model for commercial/industrial land use where SGVs were not available.

The risks to human health and building structures, were assessed by RAW as being not significant. The TPH (mainly C21-C35) concentration of 390mg/kg detected in the area surrounding the former tank location was not considered to pose a significant risk to groundwater given the low mobility and solubility properties of the hydrocarbon compounds in this carbon range. No further investigations or remediation works were recommended.

Water Quality, RiverOak Strategic Partners, Manston Airport, Kent, Hydrogeological Impact Assessment (HIA), 2018, Amec Foster Wheeler

Water quality, and in particular nitrate concentrations, have been a concern in Thanet for many years, with the levels being close to, or exceeding, the prescribed concentration or value (PCV) for nitrate of 50 mg/l as nitrate or 11.3 mg/l as nitrogen (UK Drinking Water Standard (DWS), Drinking Water Inspectorate (DWI) 2012). Other water quality issues include pesticides and organic compounds, including TCE.

Water quality data from the Lord of the Manor PWS supplied by Southern Water Services (SWS) for the period 2001 to 2015, together with historical investigations, have been used to understand water quality issues in this part of the Isle of Thanet.

► Nitrate

Groundwater in the Thanet Chalk Block has high levels of nitrate at levels at or exceeding current DWS limits.

Data from twenty observation boreholes (OBHs) drilled into the Chalk between 1975 and 1984 were used to profile unsaturated zone nitrate concentrations (Southern Water Authority (SWA), 1985¹⁴), and these profiles implied a downward travel rate of nitrate through the unsaturated zone of 0.5m/a. The profiles also suggested that the majority of nitrate was coming from fertilised land, and denitrification was not identified in the aquifer. The predictive modelling undertaken as part of the SWA study indicated that there would be a steep rise in nitrate concentrations in groundwater. For example, at the Lord of the Manor PWS the rise would commence in the early 2000s and not level off until 2100, with an increase from ~ 53mg/l NO₃ in 2000 to ~79.6mg/l NO₃ by 2050, flattening off at ~110mg/l NO₃ by 2100.

High nitrate concentrations have been an issue at the Lord of the Manor PWS since the 1920s, when levels already exceeded the current DWS (SWA, 1985). Data supplied by SWS show that the trend for the period 2001 to 2005 was relatively flat, with concentrations varying between around 50 to 65mg/l NO₃. However, concentrations appear to have subsequently risen from around 57mg/l NO₃ in 2004 to 62mg/l NO₃ in 2010,

¹⁴ Southern Water Authority (SWA). 1985. Report on Thanet nitrate investigation: A study of the occurrence and cause of high concentrations of nitrate in groundwater's on the Isle of Thanet and their future trend. Southern Water Authority Technical Report, pp111

observations that are consistent with the predictions made in the 1985 SWA study. After 2010 the PWS appears to not have been used and samples rarely taken, probably because the source can only be put into supply if nitrate treatment is undertaken.

Nitrate concentrations show no seasonal trend or correlation with groundwater levels or abstraction rate. There are, however, within the dataset samples with relatively lower or higher nitrate concentrations compared to neighbouring samples, for example:

June 2001 (35.8mg/l NO₃) and May 2003 (37.5 mg/l NO₃), both of which coincide with start-up of the abstraction after a period of shut-down, and a drop in water table;

August 2003 (8.6mg/l NO₃) and November 2005 (42.6mg/l NO₃), both linked with relatively low water tables (<2m AOD), low rainfall and increased abstraction; and

August 2005 (69.5mg/l NO₃) and October 2003 (60.6mg/l NO₃), both linked to the water table falling and then rising.

These data suggest that when the water table is low (through a combination of low recharge and increased abstraction) the borehole and adits receive water with a lower nitrate concentration. When the source is started up after a period of no abstraction, low nitrate in groundwater is again reported. However, high nitrate can occur in response to a rising water table, and this may be explained by a pulse of nitrate that has diffused out of the matrix to the fissures. The nitrate porewater profiles described in Mouchel (2008)¹⁵ show that nitrate concentrations decrease with depth through the unsaturated zone.

Whilst other sources of nitrate have been considered, such as the historical use of urea-based de-icer at Manston Airport, the high nitrate has most probably arisen as a consequence of the marked increase in agricultural activity that occurred in the 1920s with the conversion of grassland to arable. Since the 1940s the area of land in arable production has generally increased in Kent, at the expense of grassland (Atkins, 2015). Ploughing up of orchards and conversion of land to market gardening created a nitrate peak in the unsaturated zone that was identified in the 1970s. High concentrations of brassica crops (cauliflowers in particular) and other intensive farming on the southern edge of Thanet also contribute to the high nitrate loading. Past activities at the Airport are not considered to be a source of nitrate.

► Organic Contamination

Chlorinated solvents can include a wide range of organic chemicals containing at least one chloride ion. They have been used as degreasing and cleaning agents in military, industrial, and dry-cleaning applications for many decades, although much contamination is believed to be historical, resulting from previous careless handling and disposal procedures at a range of locations in the Lord of the Manor catchment. Carbon tetrachloride, historically used as a refrigerant, propellant, in foams and dry cleaning has been banned from use in consumer goods since 2002 due to its impact on the ozone layer (EU regulation 2037/2000). Carbon tetrachloride use declined steeply since the 1980s due to concerns regarding its harmful effects.

Chlorinated solvents are volatile liquids. In liquid form they tend to sink through aquifers because they are denser than water, and are classed as dense non-aqueous phase liquid (DNAPL). They will continue to sink until they encounter low permeability strata or are exhausted by smearing and entrapment. DNAPL accumulations can form long-term sources of groundwater contamination. Much like nitrate, they can be persistent under typical oxidizing (aerobic) aquifer conditions. Some degradation does occur under favourable (reducing) environmental conditions. For example, degradation of carbon tetrachloride to trihalomethanes, and tetrachloroethene (PCE) to TCE, and dichloroethenes, Vinyl chloride can occur in groundwater as a result of reductive dechlorination. The final stage of degradation is the conversion of vinyl chloride to ethenes which generally requires oxidizing conditions. Chlorinated solvents are sparingly soluble, but their solubility far exceeds DWSs (the combined DWS for PCE and TCE is 10µg/l, and vinyl chloride has a limit of 5 µg/l). They are also poorly retarded and so are relatively mobile. Due to their persistence, chlorinated solvent plumes can be very large (several kilometres long).

¹⁵ Mouchel, 2008. Groundwater Risk Assessment Interpretive Report – Isle of Thanet Groundwater Quality Assessment. Prepared for Southern Water. pp 39 British Geological Survey 2008. The Chalk aquifer of the North Downs. Research Report RR/08/02.

There have been two reported (Atkins 2015¹⁶) water quality incidents/issues at the Lord of the Manor PWS. These are as follows:

- ▶ June 1999 - domestic fuel spill near to the PWS adit, but remedial works ensured that the source was not impacted; and
- ▶ February 2007 – low PAH concentrations were found in an OBH at Cliff End possibly transformer oil or electric cable oil, linked to historical rail use.

Water quality data from Lord of the Manor for chlorinated solvents provided by SWS for the period 2001 to 2015 includes analysis for PCE, TCE, carbon tetrachloride, 1,1,1 trichloroethane (111 TCA), vinyl chloride, 1,2 dichloroethane, and total trihalomethanes (degradation products of carbon tetrachloride). This dataset has been examined for the period 2001 to 2015 (Amec Foster Wheeler, 2017), and is plotted in Figure 3.6 of the HIA.

- u The solvent detected most frequently at concentrations above the combined DWS is PCE. The DWS for the sum of PCE and trichloroethene (TCE) concentrations is 10µg/l. The pattern of detection is discussed below, although the lower frequency of sampling in some years means that some details are likely to have been missed:

- ▶ From June 2001 to December 2002 there was a rising trend in PCE, with concentrations generally ranging between 5 and 17µg/l, and a peak of 26µg/l in September 2002;
- ▶ Between May 2003 and December 2006 concentrations were between 0.5 and 15.2µg/l, although the sampling frequency was reduced;
- ▶ From 2006 to 2009 concentrations were generally between 10 to 17µg/l, and there was no detection in samples taken in 2009; and
- ▶ Samples taken after January 2010, when the PWS was out of service, contained PCE at between 4.7 and 7.5µg/l.

TCE was also detected, but always at concentrations below the combined DWS, with a peak concentration in June 2001 of 2.9µg/l. Concentrations follow a similar temporal pattern to that of PCE, with the majority of elevated concentrations between 2001 and 2004, and 2007 to 2010 (Figure 3.6 of the HIA), decreasing to lower levels in recent years, and this suggests a common source.

Other solvents detected at the Lord of the Manor PWS include:

- ▶ 1,1,1 Trichloroethane between December 2007 and February 2008, at concentrations of 2.8 to 4.8µg/l;
- ▶ Vinyl chloride with a peak value of 2.4 µg/l in September 2009, but otherwise remaining at the 0.11µg/l (the likely laboratory detection limit). The UK DWS is 0.5µg/l;
- ▶ Carbon tetrachloride was consistently detected at a low concentration throughout the dataset, with a peak value of 1µg/l in August 2002. The UK DWS is 3µg/l; and
- ▶ Trihalomethanes was at a peak value of 6µg/l in September 2001. The UK DWS for trihalomethanes is 100µg/l

The changing concentrations of PCE, and potentially TCE, appear to be correlated with groundwater levels at the abstraction. In general, samples where PCE was absent coincide with periods of lower-than-usual water table (around 2m AOD), whilst peaks in concentration typically occur when the water table is higher. This pattern may suggest that a source or plume of PCE and other solvents is present, although the decrease in concentrations in recent years suggests that the plume may have degraded over the years. Low concentrations of carbon tetrachloride, which underwent decline in use in the 1980s and was banned in 2002, suggests that the source of contamination is likely to be historical rather than ongoing.

¹⁶ Atkins, 2015. Thanet sewers programme: Geotechnical and environmental investigation Groundwater monitoring, February to June 2015. Prepared for Southern Water. pp208.

SWS records for the Lord of the Manor PWS show only sporadic occurrence of petroleum hydrocarbons in groundwater at low concentrations below DWSs. This dataset suggests that petroleum hydrocarbons are not an existing water quality issue at the abstraction.

► Pesticides

SWS samples are screened for more than 30 individual pesticide compounds with varying frequencies. The total sum of identified pesticides is also reported. The majority of analytical results are below the detection limit.

The most notable event shown in the pesticide data is a high spike in diuron concentrations at the Lord of the Manor PWS in 2000/2001. The EA investigated possible sources in the urban area, and it concluded that diuron was applied at incorrect dilution rates to amenity land, leading to the high concentrations at the PWS. Users switched from diuron to glyphosphate and concentrations of diuron at Lord of the Manor fell gradually over the following two years to reach very low levels by 2003.

Diuron has rarely been detected since, but a BGS (2004)¹⁷ study identified the widespread use of diuron in the Thanet area. Diuron and its metabolites may therefore be percolating through the soil and the unsaturated zone towards groundwater, and may give rise to a further impact in years to come.

Atrazine concentrations at the Lord of the Manor PWS also exceeded the PCV in 2000–2001. Since then levels have declined and have been around 20–30µg/l. Occasional low concentrations of simazine have been detected and there was a cluster of recordings of cyanazine at all three PWSs in 2003–2005. Atrazine and simazine were banned for non-agricultural use (e.g. local authority, road and rail) in 1993, with further restrictions introduced in the 2000s.

Detection of cynazine and simazine at concentrations below the DWS in September 2004, January 2005 and September 2006 could be linked to rainfall events, flushing applied product into the aquifer. The pesticide data suggest that although the PWS is vulnerable to pollution, there are currently no issues with these substances.

► Other Water Quality

Reports of saline intrusion by SWA (1985) near Margate were possibly as a result of former groundwater abstractions at a nearby PWS sources in the area (EA, 2004)¹⁸. Following abandonment of the source the level of saline intrusion may have reduced (Atkins, 2014)¹⁹.

3.7 Current and historic site activities

3.7.1 Fuel Storage and use (S1)

3.7.1.1 Bulk fuel installations (BFI)s

Seven above storage tanks (ASTs) and 15 underground storage tanks (USTs) were identified during the site walkover by Gibb in 1998. The ASTs had secondary containments/spill control measures but some cracks were identified in the bunded areas. Information regarding a potential secondary containment for the USTs was not clear. The tanks are summarised in Table 3.1



In addition a gas oil tank was identified during the 2017. This has also been included in Table 3.1.




¹⁷ BGS 2004. Pesticides and their metabolites in groundwater - A field investigation from south east England. Groundwater Systems and Water Quality Programme Internal Report IR/04/014.

¹⁸ Environment Agency 2004 Groundwater Quality Review: River Thanet GWQR013.

¹⁹ Atkins, 2014. Thanet sewers programme - Geotechnical and environmental investigation Phase A: desk study. Prepared for Southern Water. pp110.

Table 3.1 Historical and current fuel tanks present on site

Sources	Tank content and volumes	Age	AST/UST	Location Gibb observations	Recent observations, Amec Foster Wheeler site walkover, 2017
Tanks identified by Gibb in 1998					
S1.1	Avtur aviation fuel, 52000 L	1965	2 USTs	Bldg. 112. Fuel interceptor. Currently empty. Proposing to remove tanks.	Only a circular area partly covered with hardstanding was visible at the BFI location of building (bldg.) 112 to the west during the site walkover. No evidence of any buildings or tanks could be found. It is not known whether the USTs have been removed and if any remediation works have been carried out
					
Picture 1 Location of BFI at bldg. 112					
S1.2	Avtur & Avgas aviation fuel, 55000 L each	1950s	6 USTs	Bldg. 819 Part of KIA site. Unknown if secondary containment/spill control. No interceptor. No inspection possible.	Over ground pipes and pumps were present at the BFI location of bldg. 819 to the east. The installation was fenced and could not be entered for inspection. It is not known whether the USTs are still present and if any remediation works have been carried out.
					
Picture 2 BFI at bldg. 819					
S1.3	Fuel oil, 4953 L	unknown	1 UST	Bldg. 869. Unknown if secondary containment/spill control. Visual staining at outlet point and tank inspection pit	Location of UST not clearly identified at bldg. 869 (Fire Crash Department). Some staining was observed in the Fire Department building, which was not entered.

Sources	Tank content and volumes	Age	AST/UST	Location Gibb observations	Recent observations, Amec Foster Wheeler site walkover, 2017	
S1.4	Fuel oil, 4500L each	unknown	2 bunded ASTs	Bldg. 253. Held with bund. Recently refurbished. Minor oil staining.	The two ASTs are still present at Bldg. 253 (Hangar 3). The whole area of Hangar 3 was fenced and could not be accessed. The ASTs were observed from outside of the fence. They were corroded, but no leak was observed and they were located within a concrete bund. Two pipes connected the ASTs to the ground.	 <p>Picture 3 Corroded ASTs within a bund at bldg. 253</p>
S1.5	Fuel oil, 6650 L	unknown	1 AST	Bldg. 91. Unknown if secondary containment/spill control. Decommissioned.	The AST that had been previously identified at the former Motor Transport (MT) building (Bldg. 91) which is now the location of the RAF Manston museum is still present. The site was closed and could not be entered. The AST was observed from outside of the fence. It was located in a brick bund.	 <p>Picture 4 AST within a bund at bldg. 91</p>
Additional tanks identified during the 2017 site visit						
S1.6	XL Gas oil	unknown	1 Bunded AST		A gas oil tank was noticed at the back (south) of the KIA jet support building in a fenced area that could not be entered. Observations from the outside were that the tank was corroded and was in a bund.	 <p>Picture 5 Gas oil tank located at the back (south) of the KIA jet support building</p>

3.7.1.2 Onsite fuel station (S1.7)

An Avgas fuel station with a pump was found at the former aviation training centre to south east of the site. The aviation training centre is not operating planes as the airport is closed. Staining was observed but no evidence of spill. No AST was visible. Two concrete and plastic covers were noticed in the ground. USTs may be located underneath.



Picture 6 Avgas 100LL pump at former aviation training centre.



Picture 7 Avgas fuel station at former aviation training centre

3.7.1.3 Burning of petrol along the runway (Source S2)

Historical Fog Intensive Dispersal operation (FIDO) was reported by Gibb Environmental⁸ to have been used from 1943. FIDO consisted of burning petrol along the runway to disperse fog. The report indicates that

250000 gallons were required for each hour of operation. The petrol came from 4x 350,000 gallons tanks situated south of runway 29 and was distributed along a network of below and above ground pipes along the eastern perimeter and south-east of the site. The tanks were still present on the Jentex Site at the time of the report. Jentex were reported to store only heavy fuel oils.

An AST that is believed to have been associated to the FIDO activities was still present at the south-eastern border of the site during the 2017 visit.



Picture 8 Outlets of the two fuel pipes at Jentex tank farm

3.7.1.4 Fuel pipes (Source S3)

During the current site visit the outlets of two fuel pipes that are believed to be connected to a BFI onsite or/and to the runway were found at the Jentex tank farm located in the direct south-eastern vicinity of the site. According to the Jentex site representative the pipes were believed to be connected at the Jentex site to four large ASTs (capacity unknown) and possibly a pumping station that have now been removed. RPS attempted to trace the fuel pipes from the Jentex site to the BFI in the north-east of the Manston airfield but reported that they did not have the right equipment to do so.



Picture 9 AST believed to be associated to the FIDO operations

3.7.1.5 Waste oil tanks (Source S4)

Recent observations, Amec Foster Wheeler site walkover, 2017

Two waste oil tanks in bunds were found at the front (north) of the KIA jet support building. A strong hydrocarbon odour and staining on and in the bund were observed. There was also a waste oil container located on a concrete pad at the former aviation training centre in the south-eastern part of the site. Some staining/damp and a hydrocarbon odour were observed.



Picture 10 Waste oil tanks at the front of the Kia jet support



Picture 11 Staining on the bund of the waste oil tanks (Kia jet support)



Picture 12 Staining within the bund of the waste oil tanks (Kia jet support)



Picture 13 Waste oil container at the aviation training centre



Picture 14 Staining/damp observed on the concrete pad around the container

3.7.1.6 Jentex tank farm (Source S5)

The site is stepped into three levels with a road intercepting the different levels. It is partly covered with hardstanding, and partly with grassed areas. Some cracks were noticed in the asphalted areas and road. Five ASTs were observed during Amec Foster Wheeler site visit – four of them were located in the western part of the site, the other one in the central southern part. They were located in bunded areas. Staining and a slight hydrocarbon odour were noticed. There were two areas with demolished buildings. One where concrete foundations and potential locations of removed ASTs with staining were visible. The other one is located in a grassed area with some constructions debris remaining and made ground visible. The outlets of two fuel pipes were visible in that grassed area – see section 3.7.1.4. According to a Jentex site representative four large ASTs (but capacity unknown) and possibly a pumping station used to be at the locations of the demolished buildings. Two fuelling points for the trucks are located in the vicinity of the tanks with no leak but staining and a slight hydrocarbon odour noticed.



Picture 15 Two ASTs within a bunded area in the western part of the site (view towards east)



Picture 16 Two ASTs within a bunded area in the western part of the site (view towards south-east)



Picture 17 One AST and a fuelling point located in the southern part of the site (view towards south)



Picture 18 Fuelling point in the western part of the site (view towards east)



Picture 19 Area of demolished building with concrete foundations and potential locations of removed ASTs with staining (view towards north)



Picture 20 Area of demolished building with grass and made ground (view towards west)



Picture 21 Area of demolished building with grass and remaining construction debris (view towards southeast)

3.7.2 Firefighting

3.7.2.1 Use and storage of Pyrene runway foam (Source S6)

The Gibb report indicates a Pyrene foamer was used to cushion aircraft during emergency landings which operated between 1964 and 1980. The equipment was operated from mobile tankers which were held on standby adjacent to Hangar 3. The composition of this foam is understood to contain carbon tetrachloride¹¹

No clear staining was observed along the runway during the February 2017 site visit and the area of Hangar could not be accessed and inspected.

3.7.2.2 Burning grounds (Source S7)

One small burning ground area was identified to the east of the fire station (Bldg. 869) with no drainage interceptor but on an area with a hardstanding cover in 1998.

This burning area was still present in the February 2017 visit but did not seem to be still in use. It comprises a pile of ashes partly contained in a heavily corroded caged trolley. It is located on an asphalted area but extends towards a grassed area. There is no bund.



Picture 22 Burning area located at the fire crash department

3.7.3 Maintenance activities

3.7.3.1 Motor Transport (MT) workshops (former and current) (Source S8)

During the Gibb site visit the former MT workshop had become the history club. The current MT workshop was in used for vehicle servicing & maintenance. Current and historical use of oils, petrol and lubricants were reported by Gibb Environmental⁸. Although good practices were observed to be in operation during the 1998 site visit, Gibb Environmental reported that there was a potential for historical bad practices and spills.

Neither workshop area could be accessed for inspection during the current site visit in February 2017. Both workshops area are located in areas covered with hardstanding. The former MT workshop is now part of the RAF Manston museum that was closed at the time of the visit. The current MT workshop belongs to and is operated by the MOD. Storage of tires and wooden pallets outside of the building along the fence was observed during the visit.

3.7.3.2 Storage of potentially hazardous materials at engineering workshops

Building 450 was reported by Gibb Environmental to be a storage for various organic and inorganic chemicals. The area was found clean during site Gibb's site visit in 1998. Hazardous materials were observed secured in cabinets, with warning labels present.

During the current site visit an engineering workshops, bldg. 450 and two buildings/shelters that did not seem in use were identified, as well as an active lorry haulage company with a truck park are located within the site near the western boundary. They could not be accessed for inspection. The engineering workshop and bldg. 450 are connected. A very corroded container with an unidentified bottle were observed at the back (north)

of bldg. 450. Fly tipping and storage of waste, e.g. wooden pallets, barrels, were noticed in front of the shelters and at the lorry haulage company.



Picture 23 Engineering workshops connected to bldg. 450 (green building)



Picture 24 Corroded container at the back of bldg. 450



Picture 25 shelter with waste storage at the front



Picture 26 Active lorry haulage company with storage of tires and barrels

3.7.3.3 Cleaning of aircrafts/helicopters (Source S9)

Historical activities associated with Hanger 3 (Bldg. 253): the area was used to clean helicopters and store pyrene runway foam See. 3.7.2.1). In addition the KIA Jet Support building area was used to clean aircraft, and also to carry out aircraft and vehicle servicing.

During the current site visit in February 2017, the whole area of Hangar 3 was fenced and could not be accessed. The KIA Jet Support building and the aviation training centre buildings also could not be inspected.

3.7.4 Use and storage of de-icing chemicals (Source S10)

Significant quantities of de-icing chemicals were stored in the MT area. It was not known whether specific containment measures were in place.

3.7.5 Areas of Infill

Made ground (Source S11) is potentially present across part of the site as discussed in section 3.2. In addition infilled chalk pits (Source S12) are present on the site in filled in the early 1900s (see section 3.5).

3.7.6 Waste disposal areas

3.7.6.1 Waste storage areas (Source S13)

Two waste storage areas including one on soft ground were found at the KIA jet support building during the 2017 site visit. The waste storage area located north east of the KIA building comprised half empty or empty drums of white spirit, oil, some unlabelled and rotten barrels, as well as pieces of scrap. The waste storage area located at the back the KIA building to the south comprised different containers, a canister, some rotten drums, pieces of scrap, concrete blocks, tubing, blocks of tarmac, pieces of wooden pallets and plastic. Cracks were noticed in the hardstanding cover.

A waste storage area is located on the western boundary of the site. It was not included in the site visit carried out in February 2017. Based on the Envirocheck report, the area was not constructed until 1964 when a building is first shown on the maps. The built area seems to have extended since and is labelled as 'shelter' on the 1993 map. Based on an aerial map dated August 2016 (Google maps 2017), the area is partly paved with concrete pads and partly unpaved. It comprises cars, vans, caravans and a wooden cabin. Wood pallets, tires, drums, mattresses and a skip containing pieces of scrap and wood seem to be mainly stored on the paved areas. The unpaved area, which likely corresponds to the area of the former shelter, contains construction debris, fly tipping and potentially made ground.

3.7.6.2 Potential materials disposed of at air-raid shelter (Source S14)

The Phase 1 study reports by Gibb indicate that a number of air-raid shelters may have been backfilled with other materials than foam concrete. Only one shelter was identified and located by Gibb. This was located in the vicinity of the Gilder School (Building (Bldg.) 904) and may have been used in the past to dispose of equipment such as old motor cycles and aircrafts.

From the site visit in 2017 the air raid shelter near the Glider School is no longer present to the east of the site. Only an asphalted area with a concrete border and an embankment are present.

3.7.6.3 Acid pits infilled with unknown materials (Source S15)

According to the onsite maintenance manager in 1998 and an historical plan dating from 1965, two excavated pits were used in the past to dispose of waste battery acids. The two pits were located near the History Club (Bldg. 91) and within the KIA car park (Bldg. 568) and have since been infilled with unknown material.

From the current visit, there is now a road and a pavement at the emplacement of the historical acid pit to the east of the site, near the KIA, car park mentioned in GIBB Environmental report. There is a reworked area

covered with grass at the location of the historical acid pit at the former MT building (now the RAF Manston museum).

3.7.7 Sub-stations (Source S16)

Two onsite intake substations and 10 transformers were identified as potentially containing polychlorinated biphenyls (PCBs), but no visual evidence of leakage were noticed during the visit. The EWC did not hold any records of analysis.

During the February 2017 site walkover all the 12 substations and transformers identified by Gibb were inspected. None of these transformers and substations were noted to have staining indicating potential leakages.

Staining/damp was observed around a transformer that was not listed in Gibb Environmental report along the southwestern border of the site in an area that currently belongs to the MOD lies inside the current boundary.

3.7.8 Radiological sources

A report from the DERA Radiation Protection Services included within the Gibb report suggested that as with many RAF sites, radioactive materials, and particularly radium luminising material, may have been present in equipment buried at the site and may have been disposed of in waste pits or areas where ash was disposed of. Gibb report anecdotal evidence from the EWC may have been disposed of in the air-raid shelters, notably in the vicinity of the Glider Club (Bldg. 904) although there was no documentary evidence to support this.

3.7.9 Other historic activities identified by Gibb Environmental in 1998

3.7.9.1 Asbestos in buildings

The asbestos register reviewed by Gibb in 1998 identified twelve locations/products either containing or suspect of containing asbestos. The material was listed as being in good to fair condition.

3.7.9.2 Site drainage

Gibb indicated that no oil/fuel interceptors were found to be installed along the airfield drainage system, which was located along the outer lengths of the runway and flowing in an easterly direction. The system discharge is into Pegwell Bay although no discharge consent was held for the site.

A site drainage investigation was performed by RPS during the February 2017 site walkover.

3.7.10 Off-site

3.7.10.1 1996 Diesel spill (Source S17)

Gibb report⁸ that a diesel spill occurred in August 1996 due to a leaking tank located to the north of the Domestic quarters of RAF Manston, approximately 500m outside of the site's current northern boundary. Gibb report that the tank was removed and visually impacted soils were excavated and disposed of off-site. However no laboratory analysis confirming the remediation were available.

The Gibb report refer to the four bunded tanks at bldgs. 129/1 (1 tank with volume 22800L) and 129/2 *(3 tanks with volume 17550L each) located outside of the current site boundary and is now a construction site where houses are being built. The construction site could not be entered for inspection.



Picture 27 Assumed location of bldgs. 129/1 and 129/2 - offsite

3.7.10.2 Car garage and fuel stations (Source S18)

The petrol station that was located at Garage Drome car repairs at the direct north-western vicinity of the site is closed. It is understood that the tanks have been removed and the area remediated. From the 2017 visit, the garage is still operating as car repairs.

The car garage that was located at the direct eastern border, outside of the site is no longer present in 2017. The area is fenced. No tanks were noticed from outside of the area.

3.7.10.3 Historical landfills (Source S19)

Landfill sites, Alland Grange and Sunny Bank landfills, within 300m of the site, licensed to take inert wastes mixed with slow degradable and putrescible waste. Possibility that landfill gases and leachate may migrate from these sites. In addition the Envirocheck report indicates there is another landfill to the north on Manston Road. This was an inert landfill present from 1976 to 1987.

4. Generic Qualitative Risk Assessment

4.1 Conceptual - Model

The Conceptual - Model (C-M) and potential pollutant linkages are defined below based on the desk study review of publicly available information collated in the previous sections. The C-M is carried out in line with CLR11 and is based on the proposed commercial land use. The C-M will provide an assessment of the site's potential contamination status and identify the presence of potentially significant contaminant linkages that require further consideration.

Potential contamination (Sources)

A review of the site's history and environmental setting has identified potential contaminant sources on the site and the surrounding area, as summarised below in Table 4.1. The list of contaminants has been established through a review of the relevant Department of Environment (DoE) Industry Profiles, in addition to Amec Foster Wheeler's experience of contaminated land assessment.

Table 4.1 Historical, Current and Future contaminant sources

No.	Source and Comment	Likely Contaminants	Location	Source to be considered further?
On-site				
Fuel storage and use (S1)				
1	On-site bulk fuel installations, gas oil tank and petrol station	Total petroleum hydrocarbons (TPH), aromatic hydrocarbons incl. benzene, toluene, ethylbenzene, xylenes (BTEX)	On-site	Yes - petrol station not operating. Not known whether potential associated USTs still present.
2	Burning of petrol along the runway	TPH, BTEX, polycyclic aromatic hydrocarbons (PAHs)	On-site	Yes
3	Fuel pipes	TPH, BTEX,	On-site – location unknown, potentially connected to BFI to the north east and/or to the runway off-site – outlets found at Jentex tank farm	Yes
4	Waste oil installations	TPH, BTEX, PAHs, heavy metals	On-site – at KIA jet support building and at former aviation training centre	Yes -
5	Jentex tank farm	TPH, BTEX, PAHs	Off-site in direct southern vicinity of site	Yes – intrusive investigation carried out in 2015 ^{12,13} found shallow soils contaminated with PAHs, TPH, lead and asbestos. No contamination was found to be extending to depth.
Fire fighting				
6	Use and storage of Pyrene runway foam	Tetrachloromethane	On-site	yes
7	Burning ground area and firefighting areas	TPH, BTEX, PAHs, heavy metals, PFOS, radium	On-site – fire crash department	Yes – localised area on hardstanding, but no interceptor or bund
Maintenance activities				
8	MT workshops (former and current)	TPH, BTEX, PAHs, heavy metals, chlorinated solvents	On-site – former MT workshop is now the RAF Manston History museum	Yes
9	cleaning of aircrafts/ helicopters	TPH, BTEX, PAHs, heavy metals,	On-site – at KIA jet support building and at hangar 3	Yes

De-icing				
10	Use and storage of de-icing chemicals	Glycols	On-site	Yes
Waste disposal and infill				
11	Made Ground associated with former development	Inorganics including heavy metals, pH, PAHs and TPH	Potentially across the whole site ²⁰	Yes
		Asbestos	Potentially across the whole site ²⁰	Yes
		Soil gases (methane and carbon dioxide)	Potentially across the whole site ²⁰	Yes
12	Infilled chalk pits	Soil gas	On-site and off-site	No – pits were small and potentially infilled in early 1900s so soil gas considered unlikely.
		Heavy metals, pH, PAHs, TPH and aromatic hydrocarbons incl. BTEX	On-site	Yes
		Asbestos	On-site	No - pits were potentially infilled in early 1900s so considered unlikely
13	Waste storage areas	TPH, solvents, emulsifiers, BTEX, phenols, PAHs, heavy metals, cyanides, asbestos	On-site – 2 at KIA jet support building and 1 on the western site boundary	Yes - The waste storage area located north east of the KIA building comprised half empty or empty drums of white spirit, oil, some unlabelled and rotten barrels, scrap. The waste storage area located at the back the KIA building to the south comprised different containers, a canister, some rotten drums, pieces of scrap, concrete blocks, tubing, blocks of tarmac, pieces of wooden pallets and plastic. Cracks were noticed in the hardstanding cover
14	Potential materials disposed of at air-raid shelter	Cyanides, asbestos, heavy metals, radium	On-site	No. These are structures which may be been infilled (see made ground)
15	Acid pits infilled with unknown materials	Acids, TPH, BTEX, PAHs, heavy metals, cyanides, asbestos, radium	On-site – one assumed to be in front of RAF Manston History museum, one assumed to be east of passenger terminal in area where asphalted pavement and road	Yes
Sub-stations				
16	2 intake substations and 10 transformers	Polychlorinated Biphenyls (PCBs), TPH	On-site – across the site	Yes – as sub-station erected before 1986 (when PCB were banned). Staining/damp was observed around a transformer located along the southwestern border of the site.
Off-site				
17	1996 diesel spill	TPH, BTEX	Off-site – bunded area north of domestic quarters of RAF Manston	No – spill contained and cleared. Visually contaminated soils were removed however no verification testing was carried out ⁸
18	Car garages and petrol stations	TPH, PAHs, heavy metals	2 car garages Off-site at direct eastern and north-western vicinity	No – Garage to the east is no longer present and not

²⁰ Assumption based on maps, site use and site history.

			known whether potential tanks still present and whether remediation carried out. It is understood that petrol station at garage to the north-west has been removed and decommissioned, but garage still operating as motor repairs.
19	Off-site Landfills	Soil Gas	Yes - buildings proposed within 250m of the landfill off-site structures

Potential receptors and exposure pathways

The potential receptors and associated pathways that have been identified through this desk based assessment are shown in Table 4.2.

Table 4.2 Pathways and Receptors

Receptors	Potential pathways
Future site users (commercial users, personnel on-site, passengers)	Dermal contact, ingestion and inhalation of dusts, vapours, fibres and accumulated gases, radiation from potential radioactive contamination
Buildings and Services	Direct contact, ingress and accumulation of soil gas
Controlled Waters: Coastal water (Pegwell Bay and Sandwich Bay located 900m to the site)	Surface water runoff, baseflow migration. The site drainage ultimately discharges to Pegwell Bay.
Controlled Waters: Principal Aquifer in bedrock	Leaching, migration

4.2 Exclusions from Risk Assessment

Redevelopment workers

The CM does not consider risks to construction/site maintenance workers on the basis that risks to workers will be dealt with under the Health and Safety at Work Act (1974) and regulations made under the act. Site-specific contamination data obtained from all site investigations should be included in the pre-construction information (requirement of Construction Design and management Regulations 2015) for the proposed works, to enable any contractors to address potential risk from contamination as necessary in their risk assessments and method statements. Moreover, as the exact details of the method adopted are not currently known, it is not considered appropriate to provide a wide ranging and speculative risk assessment for redevelopment workers.

The CM focusses on land contamination issues. Geotechnical constraints including sulphate and ammonia attack of concrete are not assessed as part of the assessment.

Unexploded Ordnance (UXO)

A Preliminary UXO Risk Assessment has been undertaken for the site which indicates a medium to high probability of UXO encounter on the site (probability rating of 4, on a scale up to 5). According to the Land Quality Assessment Phase One from GIBB Environmental, EOD clearance surveys were performed by the MOD at the site in the past, however grassed areas surrounding the runway, and notably two parcels located south east of the runway, and hardstanding covered areas were usually not subject to a EOD search and clearance. As such a detailed UXO threat & risk assessment should be carried out prior to any intrusive works.

As the requirement for the additional assessment has already been confirmed, the potential risk for encountering UXO has been excluded from the risk assessment.

4.3 Preliminary risk assessment

In order for land contamination risk to be realised, a 'contaminant linkage' must exist²¹. A contaminant linkage requires the presence of:

- ▶ Source of contamination;
- ▶ Receptor capable of being harmed; and
- ▶ Pathway capable of exposing a receptor to the contaminant.

A preliminary risk assessment has been undertaken for these potential source-pathway-receptor linkages to identify potentially unacceptable risks on a qualitative basis. Risk is therefore based on a consideration of both:

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

Further information on the risk assessment methodology used is given in Appendix C. The method of dealing with identified risks and the level of significance of those risks will be a function of site use. The risk assessment is based on future proposed land use (commercial).

²¹ Environment Agency (2004) Model Procedures for the Management of Land Contamination – *Contaminated Land Report 11*

Table 4.3 Preliminary Risk Assessment – Risks to future site users and environment from current/historic sources

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
1	On-site bulk fuel installations, gas oil tank and petrol station	Total petroleum hydrocarbons (TPH), aromatic hydrocarbons incl. benzene, toluene, ethylbenzene, xylenes (BTEX)	Two BFIs located within the current site boundary. Only a circular area covered with made ground was visible at the BFI location of bldg. 112 to the west during the site walkover. No evidence of any buildings or tanks could be found. It is likely that the installation has been dismantled however it is not known whether the USTs have been removed and if any remediation works have been carried out. Over ground pipes and pumps were present at the BFI location of bldg. 819 to the east. It is not known whether the USTs are still present and if any remediation works have been carried out. Military activities ended in 1999 and the airport ceased operating in 2014. Gas oil tank located at the back of the KIA jet support building, within a bund – could not be inspected. Fuel station and potentially associated USTs at aviation training centre.				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion of reworked ground	Health Hazard [Medium]	Low Likelihood Potential for exposure to shallow soils in non-paved areas. BFI located at bldg. 819 to the east is in a fenced landscaped area. Commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants. Most recent development plans (dated 12/02/2018) suggest that there will potentially be commercial buildings at the BFI location of bldg. 819.	Moderate/Low
			Future site users (commercial users, personnel and passengers)	Ingress to buildings and accumulation, inhalation of gas	Health hazard [Medium]	Low likelihood It is not known whether the USTs are still present and if any remediation works have been carried out. Most recent development plans (dated 12/02/2018) suggest that there will potentially be commercial buildings at the BFI location of bldg. 819.	Moderate/Low
			Building	Buildings and services	Ingress to buildings and accumulation [Medium]	Low likelihood It is not known whether the USTs are still present and if any remediation works have been carried out. Most recent development plans (dated 12/02/2018) suggest that there will potentially be commercial buildings at the BFI location of bldg. 819.	Moderate/Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay	Moderate

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
						when the Lord of the Manor abstraction is not in use.	
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Former aviation training centre is located in SPZ2. Both BFIs are located in SPZ3. Four abstractions for groundwater are present within 1km and the site is located in a source protection zone.	Moderate
2	Burning of petrol along the runway	TPH, BTEX, polycyclic aromatic hydrocarbons (PAHs)	Future site users (commercial users, personnel and passengers)	Direct contact, ingestion of reworked ground	Health Hazard [Medium]	Unlikely Potential for exposure to shallow soils in non-paved areas. However future development plan suggests that the central part of the site, located between the runway and the Manston road, will be covered with buildings and hardstanding.	Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use.	Moderate
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Runway is located in SPZ2. Four abstractions for groundwater are present within 1km and the site is located in a source protection zone.	Moderate
3	Fuel pipes	TPH, BTEX	Onsite location unknown, potentially connected to BFI to the north east and/or to the runway				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion of reworked ground	Health Hazard [Medium]	Low likelihood Potential for exposure to shallow soils in non-paved areas. Future development plan suggests that most of the central	Moderate/Low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
						part of the site, located between the runway and the Manston road, will be covered with buildings and hardstanding. BFI located at bldg. 819 to the east is in a fenced landscaped area and most recent development plans (dated 12/02/2018) suggest that there will potentially be commercial buildings at the BFI location of bldg. 819. Commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants.	
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use.	Moderate
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Area located between the runway and the Manston road is located in SPZ1 to 3. Area located north and east of Manston road is located in SPZ3. Four abstractions for groundwater are present within 1km and the site is located in a source protection zone.	Moderate
4	Waste oil tanks	TPH, BTEX, PAHs, heavy metals	on-site – at KIA jet support building and at former aviation training centre				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Medium]	Low likelihood Future development plan suggests that former aviation training centre will remain a passenger facility. Most recent development plans (dated 12/02/2018) suggest that there will potentially be parking areas with hardstanding at the location of the KIA jet support building. Both sites are mainly covered with hardstanding limiting the potential for the	Moderate/low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
						users to come into direct contact with any potential contaminants in soil. However there is a potential for inhalation pathway.	
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use.	Moderate
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Former aviation training centre is located in SPZ2. KIA jet support building and Hangar 3 are in SPZ3.	Moderate
5	Jentex tank farm	TPH, BTEX, PAHs	Mostly located in SPZ2 with eastern art in SPZ1 near adit. Intrusive investigation carried out in 2015 ¹²¹³ found shallow soils contaminated with PAHs, TPH, lead and asbestos. No contamination was found to be extending to depth. BUT Groundwater not encountered during investigations and investigation under tanks has not been completed.				
			Future site users (commercial users, personnel and passengers)	Leaks, spills on to land, migration within groundwater onto site and accumulation and inhalation of vapours	Health hazard, [medium]	Unlikely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. However groundwater flow anticipated to be to the south-east and so site up gradient from any potential migration.	Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay	Moderate

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
						when the Lord of the Manor abstraction is not in use.	
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	High likelihood Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Groundwater not encountered during site investigations. Four abstractions for groundwater are present within 1km and the area is located in a source protection zone.	High
6	Use and storage of Pyrene runway foam	Tetrachloromethane	Used along runway and stored at Hangar 3 west of site.				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion of reworked ground	Health Hazard [Medium]	Low Likelihood Future development plan suggest that existing buildings within area of Hangar 3 will be demolished to allow construction of landside and airside infrastructures with some hardstanding and landscaped areas. Commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants.	Moderate/Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. Tetrachloromethane has been detected at the Lord of the Manor Abstraction but at concentrations below the drinking water standard and Environmental Quality standards. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use.	Moderate

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Tetrachloromethane has been detected at the Lord of the Manor Abstraction but at concentrations below the drinking water standards. Hangar 3 is located in SPZ3. The runway is located in SPZ2.	Moderate
7	Burning ground area and firefighting areas	TPH, BTEX, PAHs, heavy metals, PFOS, radium	Burning area localised at the fire crash department on hardstanding cover, but with no interceptor or bund				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Medium]	Low Likelihood Potential for exposure to shallow soils in non-paved areas. However future development plan suggests that airside infrastructures will be built in the area of the fire crash department with the fire crash department remaining.	Moderate/Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Localised area on hardstanding. Long-chain TPH and PAHs have low mobility.	Moderate/Low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Low likelihood Localised area on hardstanding. Long-chain TPH and PAHs have low mobility. Area located in SPZ2 and SPZ3.	Moderate/low
8	MT workshops (former and current)	TPH, BTEX, PAHs, heavy metals, chlorinated solvents	Former MT workshop located at RAF Manston History museum. Current MT workshop located in a fenced area next to Hangar 3 – west of the site. Both are located in areas covered with hardstanding.				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Medium]	Low Likelihood Future development plan suggests that existing buildings within the area of the current workshop will be demolished to allow construction of landside and airside infrastructures with some hardstanding and landscaped areas. Commercial users have typically limited contact with landscaped areas, decreasing the	Moderate/Low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
						potential for the user to come into contact with any potential contaminants.	
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Leaching potential via baseflow is unknown. PCE was detected most frequently at concentrations above the combined DWS (SWS 2001 to 2015). Concentrations of chlorinated solvents have been declining since 2002. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use. However areas covered with hardstanding.	Moderate/Low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Low likelihood Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. PCE was detected most frequently at concentrations above the combined DWS (SWS 2001 to 2015). Concentrations of chlorinated solvents have been declining since 2002. However areas covered with hardstanding.	Moderate/low
9	Cleaning of aircrafts / helicopters	TPH, BTEX, PAHs, heavy metals,	Cleaning at KIA jet support building, former aviation centre and Hangar 3, Area is on hardstanding with drainage.				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Medium]	Low likelihood Future development plan suggests that former aviation training centre will remain a passenger facility. Most recent development plans (dated 12/02/2018) suggest that there will be parking areas with hardstanding at the location of the KIA jet support building. Both sites are	Moderate/low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
						mainly covered with hardstanding limiting the potential for the users to come into direct contact with any potential contaminants in soil. However there is a potential for inhalation pathway. Existing buildings within the area of the Hangar 3 will be demolished to allow construction of landside and airside infrastructures with some hardstanding and landscaped areas. Commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants.	
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use.	Moderate/low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Former aviation training centre is located in SPZ2. KIA jet support building and Hangar 3 are in SPZ3.	Moderate/low
10	Use and storage of de-icing chemicals	Glycols	Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Mild]	Unlikely Potential for exposure to shallow soils in non-paved areas. However commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants and glycols have a high solubility and degradation is very likely.	Very low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use. However glycols have a high solubility and degradation is very likely.	low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Mild]	Low likelihood Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. However glycols have a high solubility and degradation is very likely.	Low
11	On-site Made Ground associated with former development	Inorganics including heavy metals, pH, PAHs and TPH	Future site users (commercial users, personnel and passengers)	Direct contact, inhalation or ingestion of reworked ground.	Health Hazard [Medium]	Low Likelihood Made Ground is recorded in the centre of the site on the BGS logs, however likely to be present in limited quantities associated with past development. Most recent development plans (dated 12/02/2018) suggest that the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. However commercial users are typically limited to contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants.	Moderate/Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Made Ground is recorded in the centre of the site on the BGS logs, however likely to be present in limited quantities associated with past development. Leaching potential via baseflow is unknown, however, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the	Moderate/Low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
						groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use. However metals, PAHs and long-chain hydrocarbons generally have low mobility in soil and lighter organics are likely to have degraded.	
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Made Ground is recorded in the centre of the site on the BGS logs, however likely to be present in limited quantities associated with past development. Future development plan suggests that the central part of the site, located between the runway and the Manston road, will be covered with buildings and hardstanding and that green spaces would only remain in the northern part of the site, which would reduce the potential for migration to occur to underlying Principal Aquifer. Four abstractions for groundwater are present within 1km of the site and the site is in source protection zone. However metals, PAHs and long-chain hydrocarbons generally have low mobility in soil limiting the potential.	Moderate
		Asbestos	Future site users (commercial users, personnel and passengers)	Inhalation of fibres	Asbestosis [Severe]	Unlikely Made Ground is recorded in the centre, east and north of the site on the BGS logs, however likely to be present in limited quantities across the site associated with past development. No analysis of Made Ground is known to have been undertaken. Potential for exposure to shallow soils in non-paved areas. Most recent development plans (dated 12/02/2018) suggest that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. However commercial users are typically limited in	Moderate/low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
						their contact with landscaped areas, and hence have limited potential to disturb and mobilise asbestos.	
		Methane and carbon dioxide ground gas	Future site users (commercial users, personnel and passengers)	Ingress to buildings and accumulation, inhalation of gas	Health hazard, explosion, asphyxiate [Severe]	Low Likelihood Made Ground is recorded in the centre of the site on the BGS logs, however likely to be present in limited quantities across the site associated with past development. Potential for soil gas generation from Made Ground is unknown but likely to be limited as significant deposits are not anticipated (excluding infilled chalk pit areas). No gas monitoring data available for the site. Most recent development plans (dated 12/02/2018) suggest that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces.	Moderate
		Methane and carbon dioxide ground gas	Buildings and services	Ingress to buildings and accumulation	Explosion [Severe]	Low Likelihood Made Ground is recorded in the centre of the site on the BGS logs, however likely to be present in limited quantities across the site associated with past development. Potential for soil gas generation from Made Ground is unknown but likely to be limited as significant deposits are not anticipated (excluding infilled chalk pit areas). No gas monitoring data is available for the site.	Moderate

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
12	On-site infilled chalk pits	Inorganics including heavy metals, pH, PAHs, TPH and aromatic hydrocarbons incl. BTEX	Pits were small and potentially infilled in early 1900s so potential for soil gas considered unlikely				
			Future site users (commercial users: personnel and passengers)	Direct contact, inhalation or ingestion of reworked ground	Health Hazard [Medium]	Low Likelihood Potential for exposure to shallow soils in non-paved areas. Most recent development plans (dated 12/02/2018) suggest that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. However commercial users are typically limited to contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants.	Moderate/low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use.	Moderate/low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Four abstractions for groundwater are present within 1km and the site is located in a source protection zone. Most recent development plans (dated 12/02/2018) suggest that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and	Moderate/low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
						hardstanding with some remaining green spaces. That would decrease potential for migration to occur to underlying Principal Aquifer. Four abstractions for groundwater are present within 1km of the site and the site is in source protection zone. However metals, PAHs and long-chain hydrocarbons generally have low mobility in soil limiting the potential.	
13	Waste storage areas	TPH, solvents, emulsifiers, BTEX, phenols, PAHs, heavy metals, cyanides, asbestos	The waste storage area located north east of the KIA building comprised half empty or empty drums of white spirit, oil, some unlabelled and rotten barrels, scrap. The waste storage area located at the back the KIA building to the south comprised different containers, a canister, some rotten drums, pieces of scrap, concrete blocks, tubing, blocks of tarmac, pieces of wooden pallets and plastic. Cracks were noticed in the hardstanding cover. Another waste storage area is located on the western site boundary. It comprises cars, vans, caravans, a wooden cabin, wood pallets, tires, drums, mattresses and a skip containing pieces of scrap and wood.				
			Future site users (commercial users, personnel and passengers)	Direct contact, inhalation or ingestion of reworked ground	Health Hazard [Medium]	Low likelihood Most recent development plans (dated 12/02/2018) suggest that there will be parking areas with hardstanding at the location of the KIA jet support building. One of the KIA waste storage areas is mainly covered with hardstanding, the other KIA one is within a fenced perimeter, limiting the potential for the users to come into direct contact with any potential contaminants in soil. The waste storage area on the western site border would be used for the junction improvement at the airport.	Moderate/low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown, however, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use. One of the KIA waste storage areas is covered with hardstanding but cracks were noticed. PCE was detected most frequently at concentrations above the combined DWS (SWS 2001 to 2015). Concentrations of	Moderate

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
						chlorinated solvents have been declining since 2002.	
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely There is potential for migration to occur to underlying Principal Aquifer. One of the KIA waste storage areas is covered with hardstanding but cracks were noticed. The KIA jet support building is located in SPZ3. PCE was detected most frequently at concentrations above the combined DWS (SWS 2001 to 2015). Concentrations of chlorinated solvents have been declining since 2002.	Moderate
15	Acid pits infilled with unknown materials	Acids, TPH, BTEX, PAHs, heavy metals, cyanides, asbestos, radium	one assumed to have been be in front of RAF Manston History in a landscaped area, one assumed to be east of passenger terminal where there are asphalted pavement and road				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Medium]	Unlikely Commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants	Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Leaching potential via baseflow is unknown, however, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use. Chalk likely to act as buffer for acid	Moderate/Low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Low Likelihood Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Both sites are located in SPZ3. Chalk likely to act as buffer for acid	Moderate/low
16	On-site sub-stations	Polychlorinated Biphenyls (PCBs), TPH	None of the transformers and substations were found to be leaking during the site walkover. Staining/damp was observed around a transformer that belongs to the MOD and is located along the southwestern border of the site.				
			Future site users (commercial users, personnel and passengers)	Direct contact, inhalation or ingestion of reworked ground	Health Hazard [Medium]	Low Likelihood Future development plan suggests that green spaces would remain in the area were staining/damp was observed, however commercial users are typically limited to contact with landscaped areas, decreasing the potential for the user to come into contact with the potential contaminant.	Moderate/low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Leaching potential via baseflow is unknown, however, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay when the Lord of the Manor abstraction is not in use. However PCBs generally have low aqueous mobility in soil limiting the potential ad spill likely to be localised	Moderate/Low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Low Likelihood There is potential for migration to occur to underlying Principal Aquifer. Four abstractions for groundwater are present within 1km of the site and the site is in source protection zone. However PCBs generally have low aqueous mobility in soil limiting the potential ad spill likely to be localised	Moderate/low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk/ Significance
19	Off-site Landfills	Soil Gas	Most recent development plans (dated 12/02/2018) suggest that there will be commercial buildings and landscaped areas within 250m of the landfill off-site structure located to the north west. That landfill received inert waste until 31 st December 1987. According to the EA website the waste received was waste that remains largely unaltered once buried such as glass, concrete, bricks, tiles, soil and stones ²² .				
			Future site users (commercial users, personnel and passengers)	Ingress to buildings and accumulation, inhalation of gas	Health hazard, explosion, asphyxiate [Severe]	Unlikely The last waste input was 30 years ago and the type of waste has a low potential to generate gas.	Moderate/Low
			Buildings and services	Ingress to buildings and accumulation	Explosion [Severe]	Unlikely The last waste input was 30 years ago and the type of waste has a low potential to generate gas.	Moderate/Low

²²http://maps.environment-agency.gov.uk/wiyby/queryController?topic=waste&ep=2ndtierquery&lang=_e&layerGroups=2&x=633965.5005&y=167368.25&extraClause=HLD_REFERENCE~'EAHLD19392'&textonly=off&latestValue=&latestField=

5. Geotechnical Assessment

A review of the available information from the Envirocheck report (Appendix A) has been undertaken to develop the Geotechnical Risk Register (Presented in Appendix D). The Geotechnical Risk Register highlights the key geotechnical considerations with regards to the proposed development of the site. A summary of the key considerations are presented in the following sections.

Geological considerations

- ▶ The Envirocheck data indicates that eight historical boreholes are located on site. A further twenty two boreholes are located within 250 m of the site boundary. Nine of the boreholes in the surrounding 250 m of the site boundary are classified by the BGS and are not available for review;
- ▶ The superficial deposits located within the site boundary are located in the northern area of the site. Head 1 Deposits are located in the northern and eastern areas of the site and in the north west corner of the site consisting of clay and silt. Head 2 Deposits consisting of clay and silt are located in the north west and north east corner of the site;
- ▶ The solid geology shown to underlie the site is the Newhaven Chalk Member consisting of marl-free white chalk with no marl content and occasional flint bands;
- ▶ The borehole located along the southern boundary of the site records the presence of Chalk to a depth of approximately 54 m bgl. No superficial deposits are recorded within the borehole;
- ▶ Four Trial Pits located in the centre of the site record the presence of topsoil to a depth of approximately 0.10 m bgl. The topsoil is underlain by fill (consisting of cinders, chalk, building rubble to a maximum depth of approximately 0.30 m bgl. The fill is underlain by silty CLAY (Head deposits) to a depth of approximately 1.20 m bgl. Chalk is shown to underlie the Head deposits to a proven depth of 2.30 m bgl;
- ▶ The exploratory hole locations in the northern area of the site record the presence Made Ground (consisting of brick and rubble fill and ash) which is underlain by Head Deposits consisting of sandy CLAY to a maximum depth of 0.60 m bgl. The Head Deposits are underlain by the Chalk and is proven to a maximum depth of 2.10 m bgl;
- ▶ Two further boreholes along the northern boundary (TR36NW113 and TR36NW114) of the site record the presence of topsoil to a maximum depth of 0.20 m bgl. The topsoil is underlain by Head deposits consisting of sandy CLAY and are proven to a depth of 1.70 m bgl. The Head Deposits are underlain by remoulded and weathered Chalk, proven to a depth of 2.40 m bgl;
- ▶ The boreholes in the eastern area of the site confirm the presence of topsoil to a maximum depth of 0.10 m bgl that is underlain by Head Deposits to a maximum depth of 2.10 m bgl. The Head Deposits are again underlain by the Chalk bedrock, proven to a maximum depth of 2.70 m bgl; and
- ▶ Areas of Made Ground are present and are recorded within the boreholes located across the majority of the site and are likely to be associated with the development of the airfield. No Made Ground is recorded within the eastern area or the northern edge of the site.

Running sands

- ▶ The site is detailed within the Envirocheck Report to have no hazard relating to Running Sands. As no sand is recorded to underlie the site is highly unlikely that there will be any possibility of running sand problems.

Compressible Ground Stability

- ▶ The site is detailed by the Envirocheck Report to have no hazard relating to compressible ground stability problems; and

- ▶ Head Deposits located in the northern areas of the site pose a potential compressible ground stability hazard.

Collapsible Deposits

- ▶ A Moderate to Very Low risk of collapsible deposit hazards is detailed by the Envirocheck Report to be located across the site. Given the nature of the chalk underlying the entirety of the site, a moderate hazard potential for collapsible deposits is likely across the majority of the site.

Shrink Swell Clays

- ▶ The site is classified as having a low to no hazard potential for Shrink Swell Clays located across the site by the Envirocheck Report; and
- ▶ Ground conditions in these sections are predominantly low plasticity. Near surface ground conditions are indicated to be predominately granular in nature and are not susceptible to shrinkage and swelling.

Ground Dissolution for Soluble Rocks

- ▶ There is a High risk of Ground Dissolution for Soluble Rocks across the site. A high risk is likely associated with the underlying chalk bedrock across the site.

Landslide Hazards

- ▶ The Envirocheck Report identifies a very low to no hazard potential of landslide hazards across the site. Existing slope instability problems are unlikely to be present and no special actions would be required to avoid problems due to landslides; and
- ▶ Significant risks may be present associated with constructed slopes in superficial head deposits on the site. Movement of materials downslope due to landslides can damage buildings and infrastructure through loss of support.

Mining Hazards

- ▶ Two shafts relating to previous mining activity are recorded by the Envirocheck Report to be located within the site boundary. Both are recorded to be related to the underlying chalk as a commodity;
- ▶ Chalk pits located in the surrounding area of the site within the historical mapping provided within the Envirocheck Report;
- ▶ A vertical shaft with associated chambers at the base is listed as being located in the western area of the site; and
- ▶ A further Adit Entry to a Pillar and Stall Chalk Mine is located in the eastern area of the site.

Solution Features

- ▶ Solution features are a high risk across the site. Solution features are a common phenomenon with areas of chalk and are formed through dissolution of the chalk as a result of chemical weathering due to rainfall and can result in sink holes appearing at ground level.

Tree hazards

- ▶ A number of mature trees are present along the road edges running through both routes; and
- ▶ Trees require careful considerations during design and can affect the drying and wetting of soil.

5.1 Development constraints

The following geotechnical development constraints have been identified for the site:

- ▶ Made Ground extending to depths of up to 0.30 m bgl has been identified within the site boundary overlying the natural soils. The Made Ground is not considered to be a suitable founding stratum and should be excavated prior to any construction or loading across the site;
- ▶ A high risk of ground dissolution for soluble rocks and a moderate risk of collapsible deposits have been identified across the site associated with the underlying chalk;
- ▶ A vertical shaft is recorded within the western area of the site and an adit entry in the eastern area of the site that would require further information to be obtained to determine the extent of mining activity across the site;
- ▶ There is a risk of solution features across the site associated with the underlying chalk that require further investigation to determine the potential impact on any construction work or loading across the site;
- ▶ The identification and location of services has not been undertaken as part of this desk study and therefore the presence of services should be considered prior to any ground investigation and construction works. Appropriate measures should be taken to avoid and protect the existing services as necessary;
- ▶ The site is within an area with medium to high potential for encountering UXO. A detailed UXO threat and risk assessment is required for the site; and
- ▶ Potential for infilled chalk pits.

6. Conclusions and Recommendations

6.1 Conclusions

Contamination

Historically the site was used extensively as a military airbase and more recently a commercial airport. A number of potential sources of contamination are associated with this past use.

Ground conditions below the site are anticipated to comprise Made Ground, associated with the former development, overlying superficial deposits of clay, silt and sand and solid deposits of Chalk. This Chalk is of high sensitivity in SPZ2 and very high sensitivity in SPZ1 as there are at least four groundwater abstractions in the vicinity of the site, the nearest being the Lord of the Manor abstraction. It is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. The groundwater system is known to provide flow to Pegwell Bay (of very high sensitivity) when the Lord of the Manor abstraction is not in use.

The information relating to site and ground conditions is from published sources, a Land Quality assessment report for the site and two reports relating to ground investigations that were performed at the direct south-eastern vicinity of the site were reviewed as part of this Phase 1 study. A site walkover was undertaken in February 2017 and generally confirmed the findings of the desk studies. The initial CM has identified a number of potential contaminant linkages for receptors including current future site users, controlled waters (aquifer and coastal water features) and property. The identified potential contaminant linkages are the bulk fuel installations (BFIs), the onsite petrol station at the aviation training centre, and the gas oil tank located at the KIA jet support building, the burning of petrol along the runway, fuel pipes potentially connected to the BFI to the north east and/or to the runway, the waste oil tanks at the KIA jet support building and the aviation training centre, the Jentex tank farm, the use and storage of Pyrene runway foam, the burning ground area, the Motor Transport (MT) workshops (former and current), the cleaning of aircrafts/helicopters, the use and storage of de-icing chemicals, the Made Ground associated with the former development, the infilled chalk pits, the waste storage areas, the acid pits infilled with unknown materials, and the sub-stations.

The risk rating of the potential linkages range from low to high. The highest risk is associated with risks to groundwater from the Jentex fuel farm which partly overlies the groundwater Source Protection Zone 1.

Geotechnical

Limited data is provided across the site with no previous ground investigation provided for review as part of this desk study. Made Ground has been identified within the southern area of the site and should be delineated as part of a ground investigation. There is limited information on the strength of the bedrock. A ground investigation with appropriate sampling and subsequent laboratory testing will provide a more detailed assessment of ground and groundwater conditions across the site. This will allow an assessment of any ground dissolution, collapsible ground stability hazards and solution features located across the site associated with the chalk bedrock. There is a potential for infilled chalk pits within the site boundary and within the surrounding area of the site.

In addition, the presence of existing services may pose some access constraints, with a requirement for measures to avoid or protect them. As no site walkover has been conducted by Amec Foster Wheeler and as such the data presented within the Envirocheck Report cannot be proven. It is recommended that a site walkover is conducted to confirm the findings of this desk study and the Envirocheck Report, as well as provide information for the ground investigation, such as access availability.

6.2 Recommendations

The desk based assessment has identified a number of potential geo-environmental constraints associated with the proposed redevelopment / reopening of the airport. To gain a more detailed understanding of these constraints, further assessment is required.

Due to the sensitivity of the groundwater we understand there is a desire from the water company operating the abstractions to avoid installation of groundwater wells at the site. It is therefore appropriate that the intrusive investigation takes a stages approach. In the first instance investigating the shallow soil using trial pits and window samples to determine if there is evidence of contamination. This would then determine the need for and scope of any direct investigation of the groundwater while minimising disturbance of the aquifer highly sensitive to turbidity.

Whilst geotechnical issues are not a material planning consideration, geotechnical data will be required at a later stage to inform the detailed design of the proposed development. Adopting a combined geotechnical approach at the outset, making use of ground investigation undertaken to support planning, to obtain initial geotechnical data, would avoid duplication and present a saving in terms of cost and programme. The combined approach would also assist in highlighting any ground abnormalities, although it is acknowledged that more detailed geotechnical assessment may be required once the form and layout of the proposed development is confirmed.

In order to provide a focused baseline of the sites ground and groundwater conditions the following scope of ground investigation is recommended. Note the ground investigation scope may need to be agreed with the local authority.

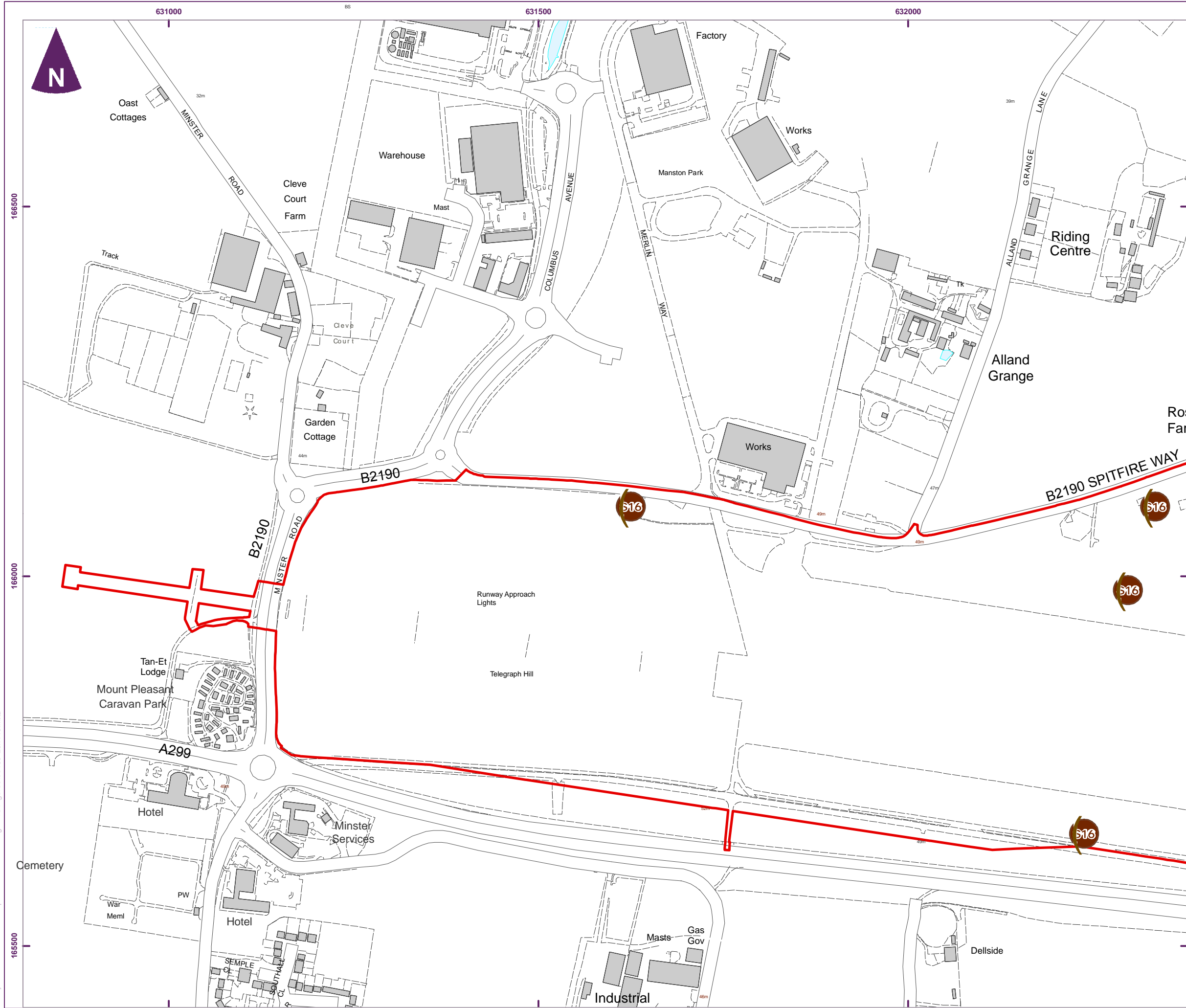
- ▶ Mechanically excavated trial pits and/or small diameter boreholes (window sample holes) across the site to determine the near surface deposits for potential contamination and geotechnical properties;
- ▶ Cable percussion (possibly with follow-on rotary drilling) to determine deeper soil and rock deposits;
- ▶ Collection of soil and groundwater samples;
- ▶ In-situ testing in trial pits and boreholes during excavation/drilling;
- ▶ Installation of groundwater and ground gas monitoring wells for subsequent monitoring and sampling;
- ▶ Laboratory analysis for potential contamination;
- ▶ Laboratory testing for geotechnical properties; and
- ▶ Interpretative reporting.

Geotechnical data would be obtained as part of the ground investigation and this would enable detailed design for the proposed future site use. Boreholes and trial pits will confirm the underlying ground and groundwater conditions across the site where no previously existing data exists. A detailed ground investigation can be produced upon receipt of the development details to allow the development areas to be targeted with the appropriate techniques. A ground investigation for geotechnical purposes may include the following scope of works:

- ▶ Rotary drilled boreholes;
- ▶ Trial pits to provide assessment of shallow ground and groundwater conditions;
- ▶ Collection of soil samples;
- ▶ Laboratory testing, likely to include:
 - ▶ Moisture content;
 - ▶ Atterberg Limits;
 - ▶ Particle size distribution;
 - ▶ pH and sulphate on soil (2:1 water/soil extract) in accordance with SD-1;
 - ▶ pH and sulphate on water (2:1 water/soil extract) in accordance with SD-1;

- ▶ Undrained shear strength of single 100 mm diameter specimen in triaxial compression with multistage loading and without measurement of pore pressure;
- ▶ One-dimensional consolidation properties, test period 5 days;
- ▶ Rock Point Load Testing; and
- ▶ Unconfined Compressive Strength Testing.

Figures 1.1 to 1.4 Potential Contamination Sources

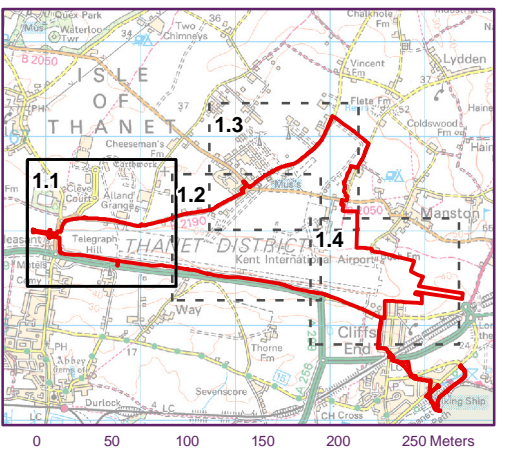


Key

Order Limits

Potential contamination sources

Source 16 - Intake substations and 10 transformers

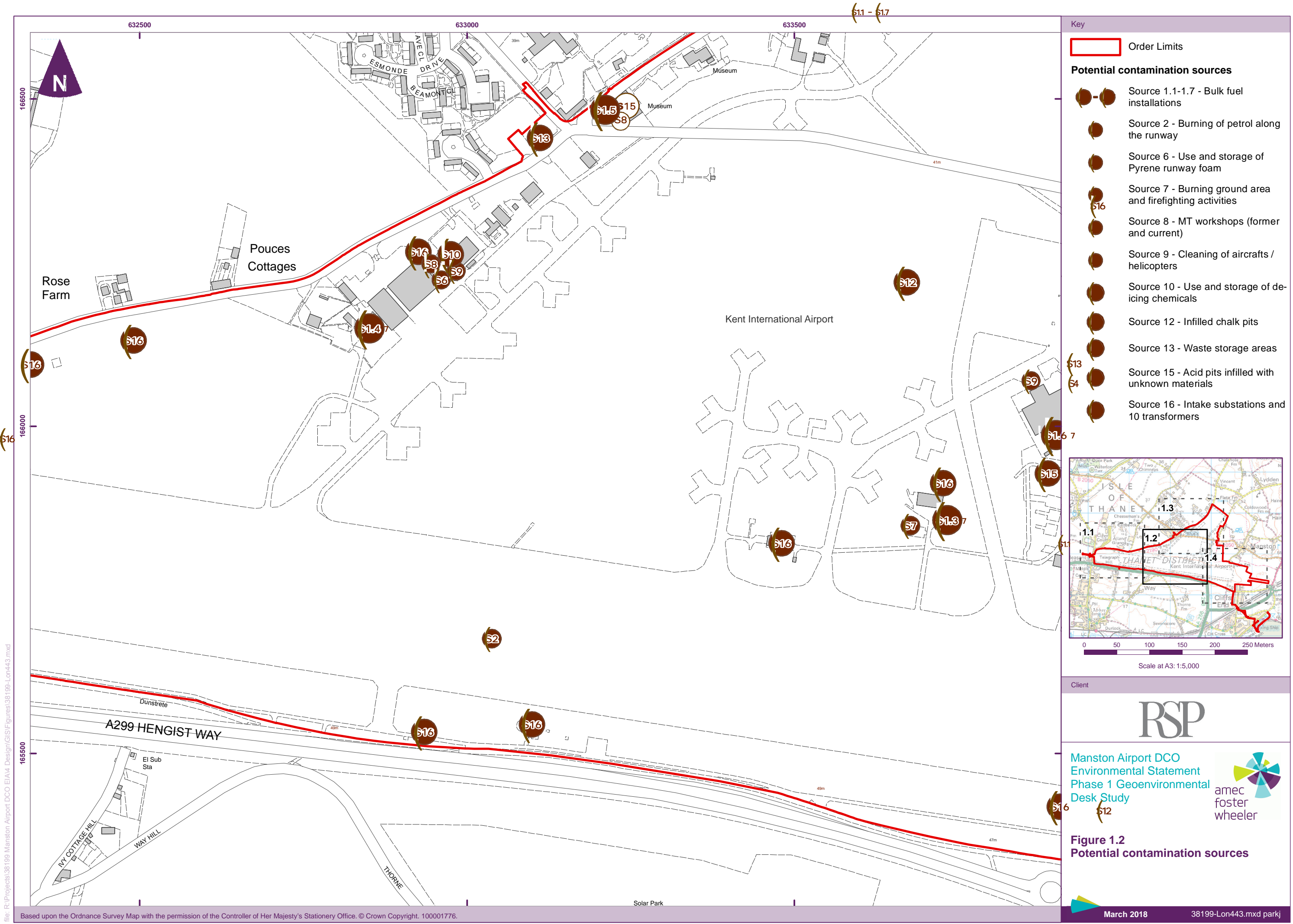


THANET DISTRICT

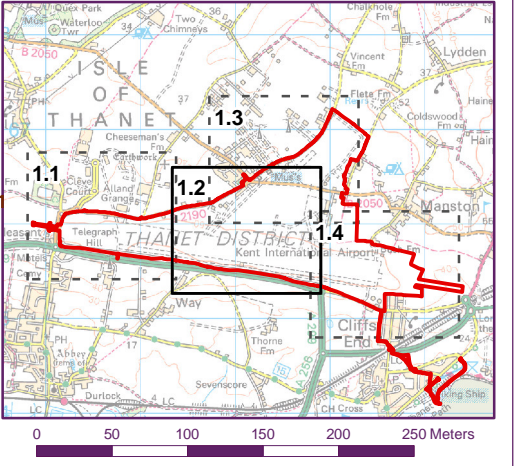
Client

Manston Airport DCO
Environmental Statement
Phase 1 Geoenvironmental
Desk Study

Figure 1.1
Potential contamination sources



- Key
- Order Limits
- Potential contamination sources
- Source 1.1-1.7 - Bulk fuel installations
 - Source 2 - Burning of petrol along the runway
 - Source 6 - Use and storage of Pyrene runway foam
 - Source 7 - Burning ground area and firefighting activities
 - Source 8 - MT workshops (former and current)
 - Source 9 - Cleaning of aircrafts / helicopters
 - Source 10 - Use and storage of de-icing chemicals
 - Source 12 - Infilled chalk pits
 - Source 13 - Waste storage areas
 - Source 15 - Acid pits infilled with unknown materials
 - Source 16 - Intake substations and 10 transformers



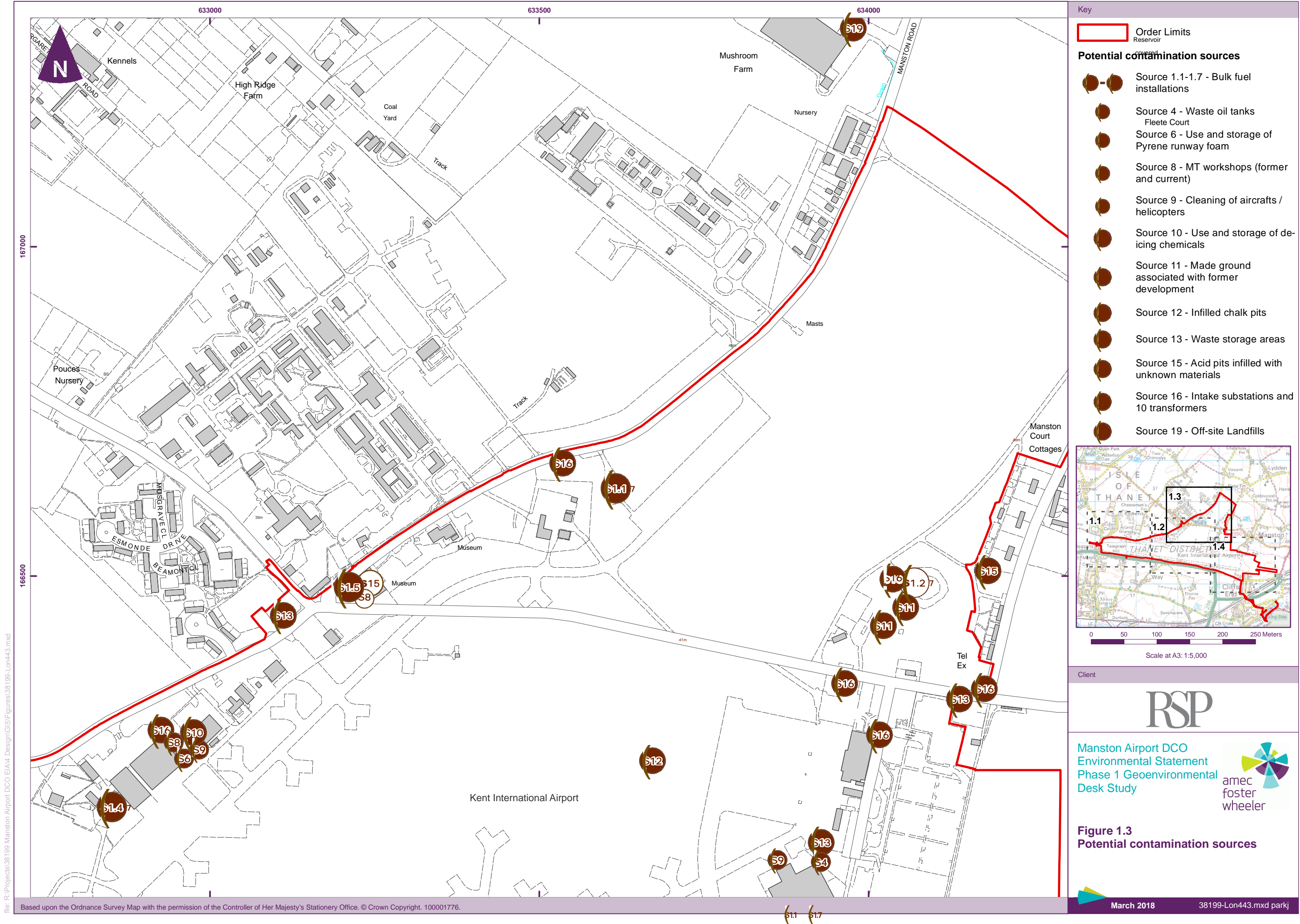
Client

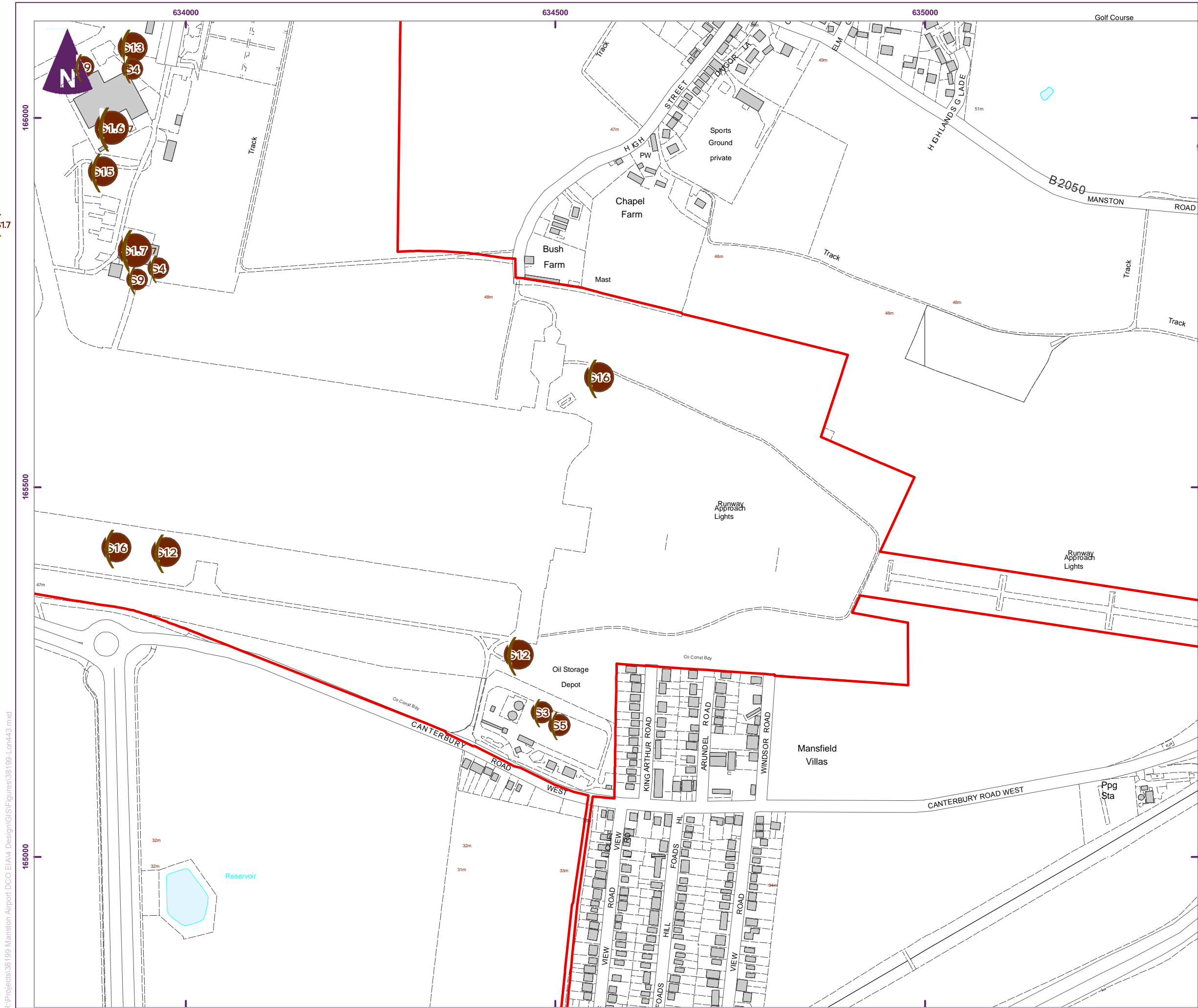
RSP

Manston Airport DCO
Environmental Statement
Phase 1 Geoenvironmental
Desk Study

amec
foster
wheeler

Figure 1.2
Potential contamination sources





Key

Order Limits

Potential contamination sources

Source 1.1-1.7 - Bulk fuel installations

Source 2 - Burning of petrol along the runway

Source 3 - Fuel pipes

Source 4 - Waste oil tanks

Source 5 - Jentex tank farm

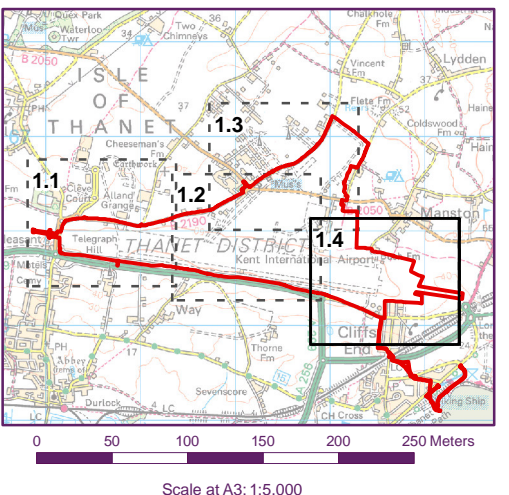
Source 9 - Cleaning of aircrafts / helicopters

Source 12 - Infilled chalk pits

Source 13 - Waste storage areas

Source 15 - Acid pits infilled with unknown materials

Source 16 - Intake substations and 10 transformers



Client

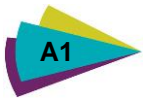
RSP

Hollins
Bottom

Manston Airport DCO
Environmental Statement
Phase 1 Geoenvironmental
Desk Study

amec
foster
wheeler

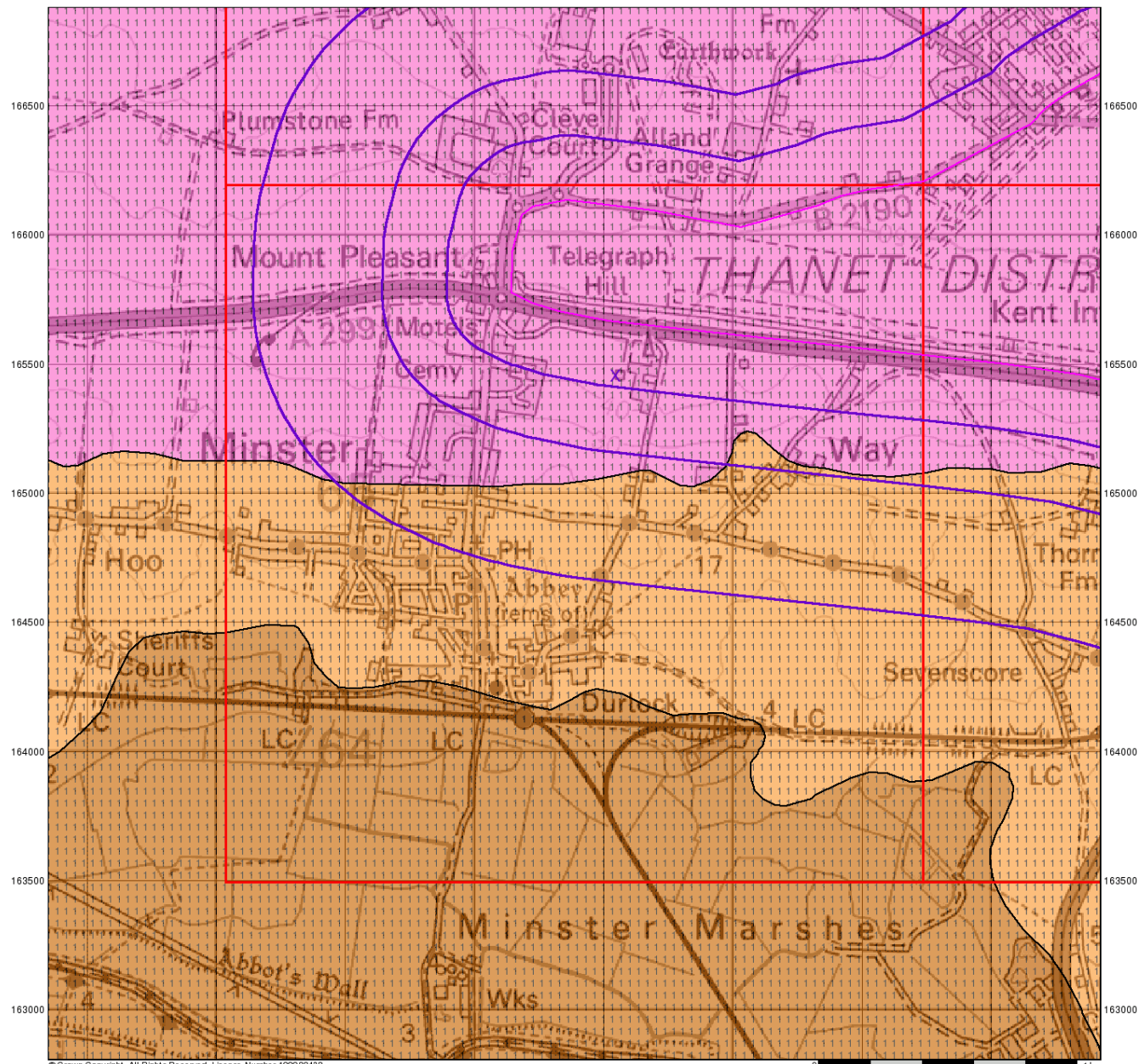
Figure 1.4
Potential contamination sources



Appendix A

Envirocheck report

629500 630000 630500 631000 631500 632000 632500 633000



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0 1 km



Groundwater Vulnerability

General

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

Agency and Hydrological

Geological Classes

Major Aquifer (Highly Permeable)

Minor Aquifer (Variably Permeable)

Non Aquifer (Negligibly Permeable)

Water or Sea

Drift Deposit

Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

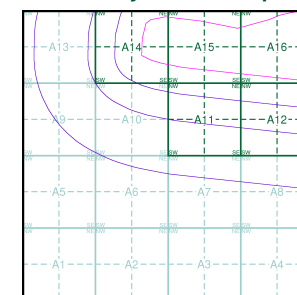
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

Site Sensitivity Context Map - Slice A



Order Details

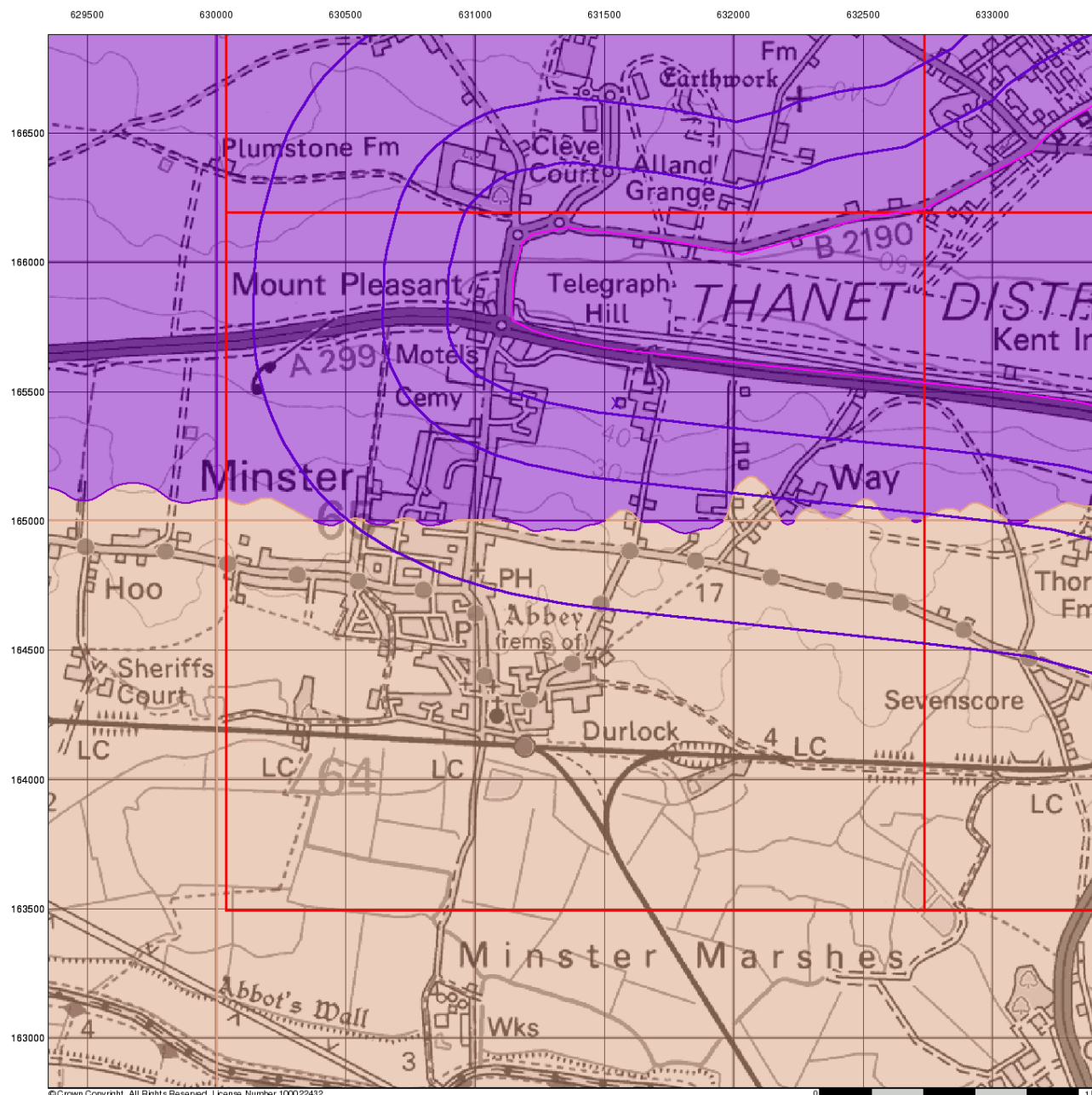
Order Number: 82787389_1.1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL



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



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0 1 km



Bedrock Aquifer Designation

General

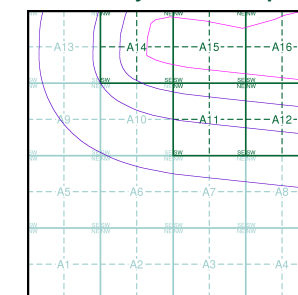
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

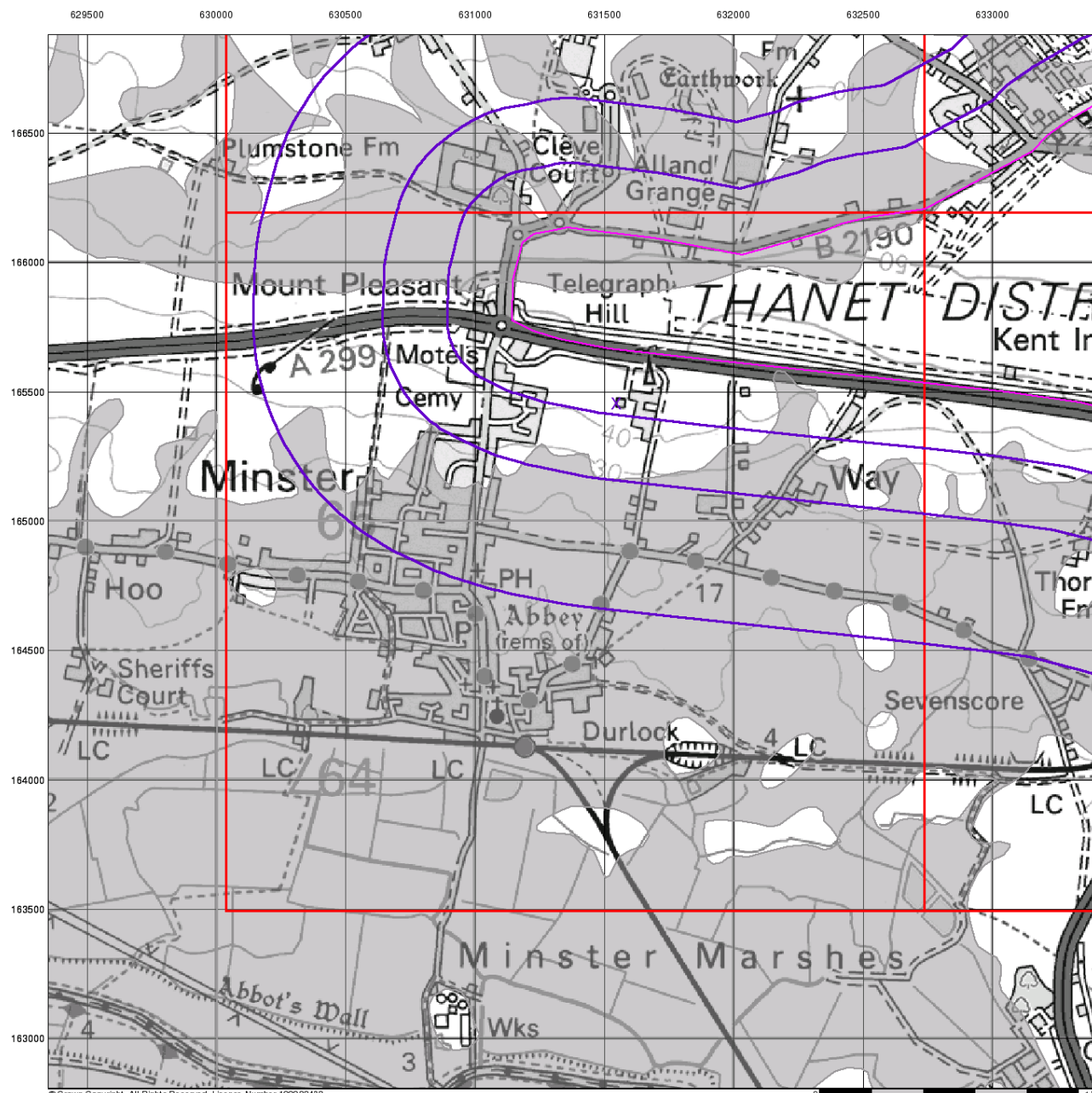
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 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

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0 1 km



Superficial Aquifer Designation

General

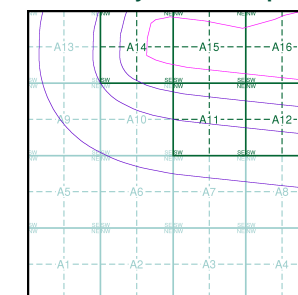
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

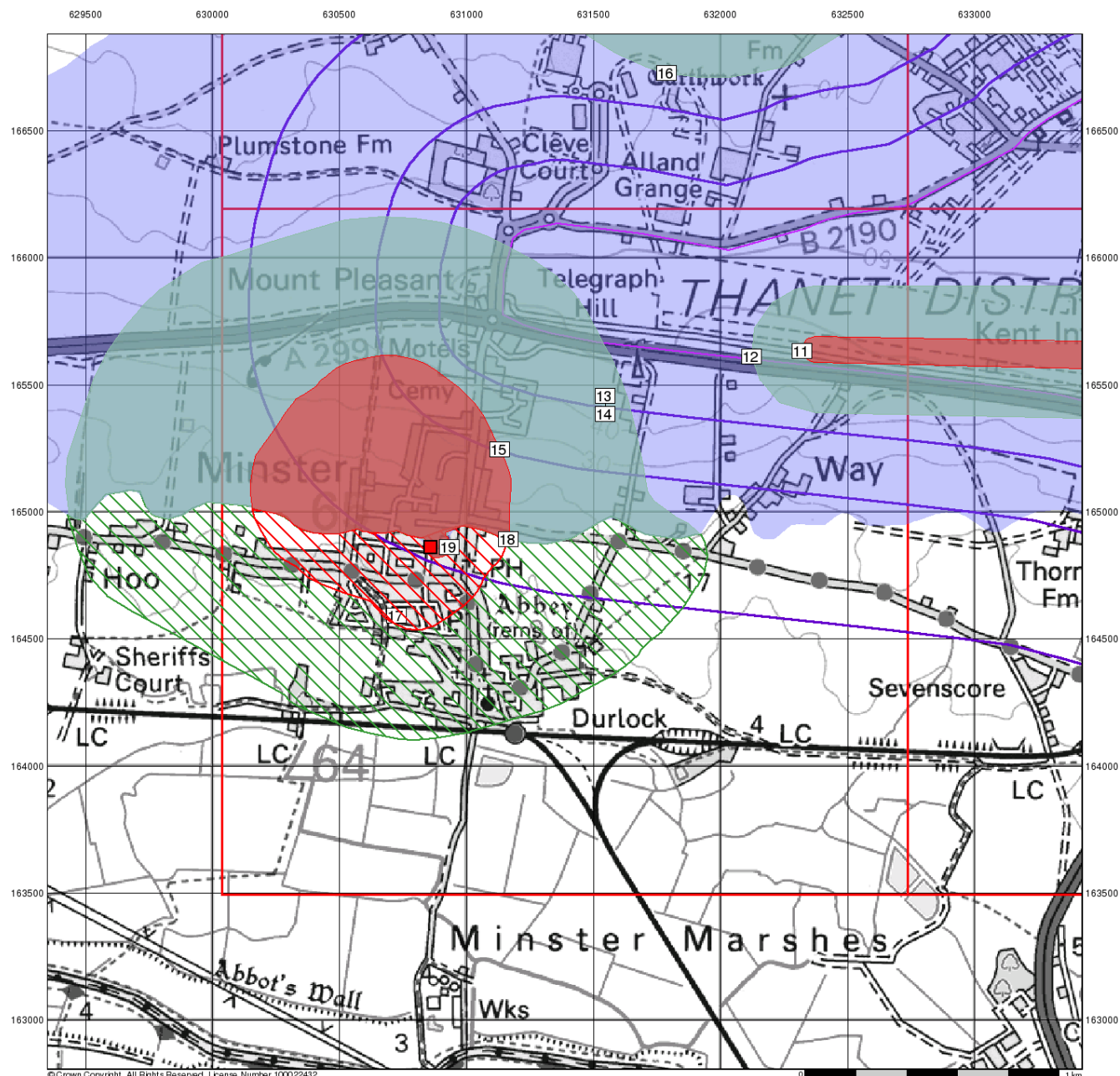
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 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

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Source Protection Zones

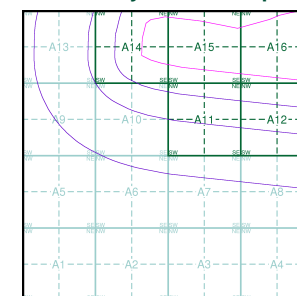
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

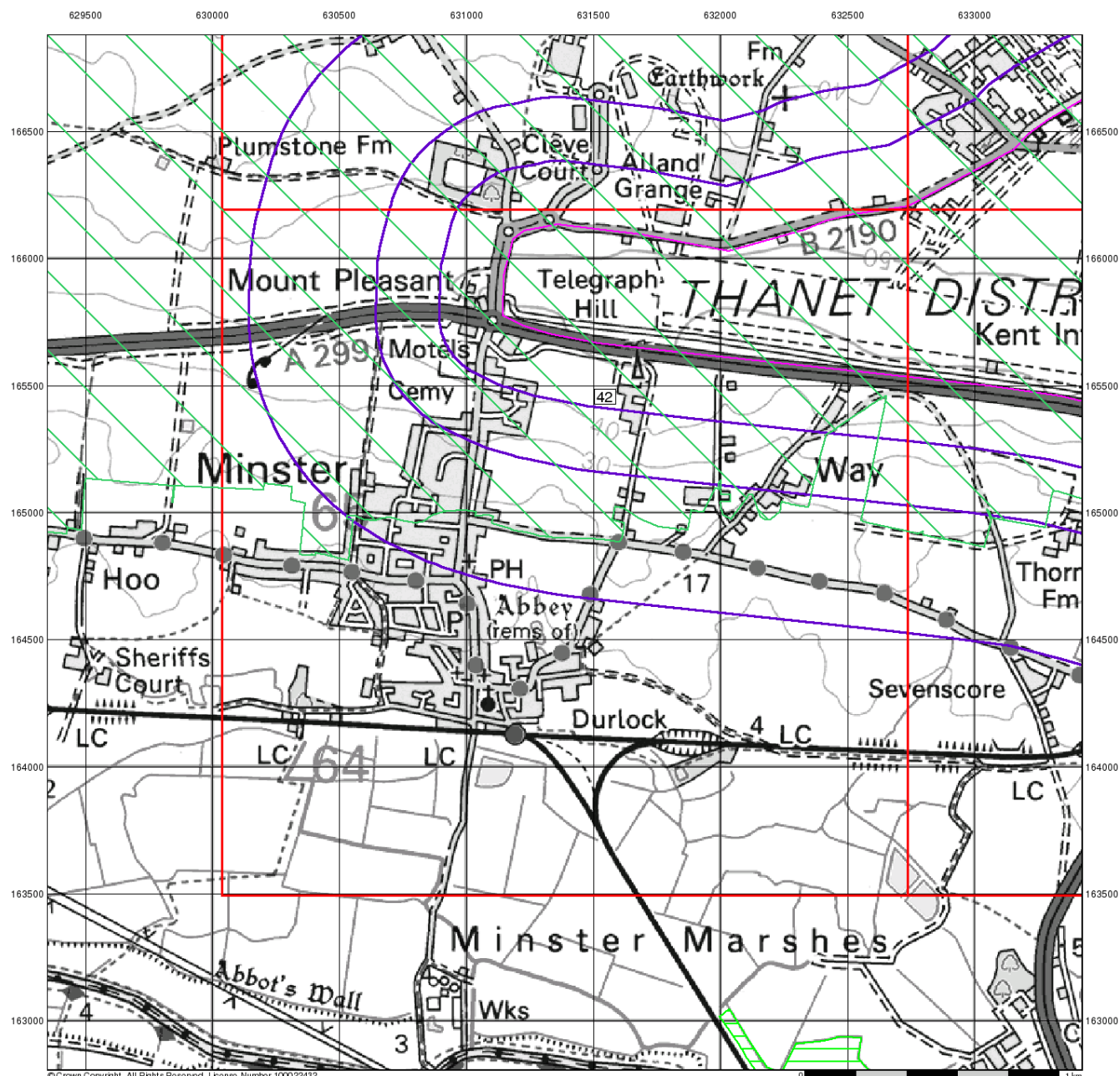
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 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
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Sensitive Land Uses

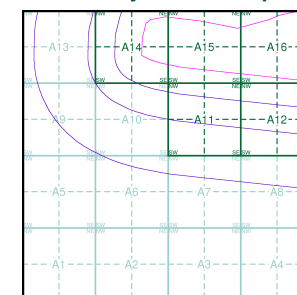
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 82787389_1.1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

82787389_1_1

Customer Reference:

38199-15

National Grid Reference:

631550, 165460

Slice:

A

Site Area (Ha):

306.39

Search Buffer (m):

1000

Site Details:

Kent International Airport Ltd
Kent International Airport, Manston
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CT12 5BL

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United Kingdom
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Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	8
Hazardous Substances	-
Geological	9
Industrial Land Use	20
Sensitive Land Use	23
Data Currency	24
Data Suppliers	28
Useful Contacts	29

Introduction

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

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

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Report Version v50.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			1	4
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2		2		
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2				Yes
Pollution Incidents to Controlled Waters	pg 2				1
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2		1		3 (*10)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 6	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones	pg 6	4		1	4
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage					n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 8				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites	pg 8				2
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 9	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 9	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 16		2	1	3
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 17	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 17	1			
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 17	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 18	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 18	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 18	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 18	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 19	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 20		16	4	3
Fuel Station Entries	pg 22		2		
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 23	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Channel Freight Storage Limited Property Type: Business Services Location: Channel Freight Storage Limited Telegraph Hill Industrial Estate, Laundry Road, Minster, Ramsgate, Kent, Ct12 4hy Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprpp3020xy Permit Version: 1 Effective Date: 26th October 2011 Issued Date: 26th October 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Into Land Receiving Water: Groundwater Via Borehole Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A11NW (S)	337	2	631530 165326
2	Discharge Consents Operator: Edward Stanton Farms Property Type: Mixed Farming Location: Edward Stanton Farms, Wayborough Farm, Wayborough Mill, Minster, Ramsgate Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: App/So/9k Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 1st April 1999 Revocation Date: 16th April 2004 Discharge Type: Trade Discharge - Process Water Discharge Environment: Into Land Receiving Water: Into Land Status: Revoked Groundwater Regulations Authorisation Positional Accuracy: Located by supplier to within 10m	A11SE (SE)	575	2	631850 165050
3	Discharge Consents Operator: [REDACTED] Property Type: Domestic Property (Single) Location: [REDACTED] Authority: Environment Agency, Southern Region Catchment Area: River Stour & Minster Reference: P21533 Permit Version: 1 Effective Date: 8th August 2007 Issued Date: 8th August 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Underground Strata Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SW (SE)	620	2	632180 164970
4	Discharge Consents Operator: Cosgrove Leisure (Wayside) Limited Property Type: Other Tourist/Short Stay Accommodation Location: Premises At Wayside Caravan Park Way Hill, Minster, Nr Ramsgate, Kent, Ct12 4hw Authority: Environment Agency, Southern Region Catchment Area: River Stour & Minster Reference: P21409 Permit Version: 2 Effective Date: 21st December 2012 Issued Date: 21st December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Into Land Receiving Water: Underground Strata Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SW (SE)	707	2	632110 164890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: [REDACTED] Property Type: Other Tourist/Short Stay Accommodation Location: [REDACTED] Authority: Environment Agency, Southern Region Catchment Area: River Stour & Minster Reference: P21409 Permit Version: 1 Effective Date: 11th July 2007 Issued Date: 11th July 2007 Revocation Date: 20th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Underground Strata Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SW (SE)	707	2	632110 164890
5	Local Authority Pollution Prevention and Controls Name: Somerfield Location: Tothill Street, Minster, CT12 Authority: Thanet District Council, Environmental Health Department Permit Reference: 01-05/06 Dated: 29th July 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Located by supplier to within 10m	A14SE (NW)	114	3	631162 165640
6	Local Authority Pollution Prevention and Controls Name: Cross Channel Service Station Location: Mount Pleasant, MINSTER, Kent, CT12 4AU Authority: Thanet District Council, Environmental Health Department Permit Reference: 02/03 Dated: 13th May 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A14SW (NW)	129	3	631014 165797
	Nearest Surface Water Feature	A11SE (SE)	702	-	631867 164921
7	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Goss Hall, SANDWICH Authority: Environment Agency, Southern Region Pollutant: Sewage - Septic Tank Effluent Note: Sewage In Watercourse Incident Date: 23rd February 1998 Incident Reference: 29056 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Sewage - Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	768	2	631001 165001
8	Water Abstractions Operator: Wilson & Wilson Ltd Licence Number: 9/40/04/0171/Gr Permit Version: 100 Location: Point W At Minster Authority: Environment Agency, Southern Region Abstraction: Private Water Undertaking: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Edged In Green On The Said Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 1st December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (E)	176	2	631690 165470

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Water Abstractions Operator: Southern Water Services Ltd Licence Number: 9/40/04/0441/G Permit Version: 100 Location: Point 1, Borehole At Minster-In-Thanel Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: N/A Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SE (W)	805	2	630650 165140
10	Water Abstractions Operator: Southern Water Services Ltd Licence Number: 9/40/04/0049/Gr Permit Version: 100 Location: Boreholes At Minster Ps Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1364 Yearly Rate (m3): 497787 Details: N/A Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 2nd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	949	2	630860 164860
10	Water Abstractions Operator: Southern Water Services Plc Licence Number: 4/0049/B/GR Permit Version: Not Supplied Location: Minster Pumping Station , MINSTER Authority: Environment Agency, Southern Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Pond or Lake Daily Rate (m3): 1364 Yearly Rate (m3): 497787 Details: Additional Purpose: Public Water Supply Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	954	2	630860 164855
	Water Abstractions Operator: Mr D H Clifton Licence Number: 9/40/04/0258/Sr Permit Version: 100 Location: Watercourses At Clapper Hill, Minster Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): 1000 Yearly Rate (m3): 10000 Details: As Shown Hatched Green On The Map. Authorised Start: 01 May Authorised End: 31 July Permit Start Date: 1st December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NE (S)	1173	2	631270 164520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr E Spanton Licence Number: 9/40/04/0095/Sr Permit Version: 100 Location: Watercourse At Minster House, Minster (Point 1) Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 232 Yearly Rate (m3): 20457 Details: As Shown Coloured Green And Yellow And Edged Red On The Map. Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 2nd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5SE (SW)	1632	2	630620 164220
	Water Abstractions Operator: Mr D H Clifton Licence Number: 09/208 Permit Version: 100 Location: Point A Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Edged Red On Licence Map Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NE (S)	1668	2	631276 164016
	Water Abstractions Operator: Mr D H Clifton Licence Number: 09/208 Permit Version: 100 Location: Point A Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lands Hatched Green On Licence Map Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NE (S)	1668	2	631276 164016
	Water Abstractions Operator: F A Fuller And Son Licence Number: 09/170 Permit Version: 101 Location: Area 1, Minster Stream & Watercourses. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 20th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1764	2	629630 164870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr F A Fuller Licence Number: 09/170 Permit Version: 100 Location: Area 1, Minster Stream & Watercourses. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 22nd January 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1764	2	629630 164870
	Water Abstractions Operator: Mr E Spanton Licence Number: 9/40/04/0095/Sr Permit Version: 100 Location: Watercourse At Minster House, Minster (Point 2) Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown Coloured Green And Yellow And Edged Red On The Map. Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 2nd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NE (SW)	1775	2	630640 164060
	Water Abstractions Operator: St Nicholas Court Farms Ltd Licence Number: So/040/0009/006 Permit Version: 1 Location: Unnamed Drain At Sheriffs Court, Minster, Ramsgate Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 22nd July 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SW)	1900	2	629922 164321
	Water Abstractions Operator: Es Linington & Son Licence Number: 9/40/04/0468/S Permit Version: 101 Location: Area 1, Minster Stream & Trib. Dykes At Minster. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Outlined In Red On Licence Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 8th January 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	1977	2	630400 163940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Es Linington And Son Licence Number: 9/40/04/0468/S Permit Version: 100 Location: Area 1, Minster Stream & Trib. Dykes At Minster. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Outlined In Red On Licence Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 5th November 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	1977	2	630400 163940
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 47 East Kent Scale: 1:100,000	A11NW (N)	0	2	631547 165455
	Drift Deposits Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 47 East Kent Scale: 1:100,000	A11NW (SW)	0	2	631398 165241
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A11NW (N)	0	4	631547 165455
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(NE)	0	4	632552 166923
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A15NW (N)	0	4	631547 165884
11	Source Protection Zones Name: Lord Of The Manor Source: Environment Agency, Head Office Reference: Su036 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A16SW (E)	0	2	632323 165633
12	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A16SW (E)	0	2	632125 165610
13	Source Protection Zones Name: Minster Source: Environment Agency, Head Office Reference: Su349 Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A11NW (N)	0	2	631547 165455
14	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A11NW (N)	0	2	631547 165455
15	Source Protection Zones Name: Minster Source: Environment Agency, Head Office Reference: Su349 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A10NE (SW)	332	2	631133 165244
16	Source Protection Zones Name: Sparrows Castle Source: Environment Agency, Head Office Reference: Su032 Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	(N)	628	2	631787 166725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Source Protection Zones Name: Minster Source: Environment Agency, Head Office Reference: Su349 Type: Zone IIc (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater - subsurface activity only.	A11SW (S)	674	2	631571 164982
18	Source Protection Zones Name: Minster Source: Environment Agency, Head Office Reference: Su349 Type: Zone Ic (Inner Protection Zone): Travel time of 50 days or less to the groundwater source - subsurface activity only.	A10SE (SW)	816	2	631166 164892
19	Source Protection Zones Name: Divers Bridge Springs, Corsley, Spr4 Source: Environment Agency, Head Office Reference: Sw074 Type: Groundwater Source	A10SW (SW)	949	2	630860 164860
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	Detailed River Network Lines None				
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Historical Landfill Sites Licence Holder: H Crow Location: Minster, Thanet, Kent Name: Tothill Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19430 First Input Date: Not Supplied Last Input Date: 31st December 1973 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7268 BGS Ref: Not Supplied Other Ref: TH23	A10NE (SW)	507	2	631084 165249
21	Historical Landfill Sites Licence Holder: Major L Thomas Location: Prospect Road, Minster, Kent Name: Prospect Gardens Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19436 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7260 BGS Ref: Not Supplied Other Ref: TH16	A9SE (W)	807	2	630682 165106
	Local Authority Landfill Coverage Name: Thanet District Council - Has supplied landfill data		0	3	631547 165455
	Local Authority Landfill Coverage Name: Kent County Council - Had landfill data but passed it to the relevant environment agency		0	9	631547 165455
22	Local Authority Recorded Landfill Sites Location: Tothill Street Reference: TH23 Authority: Thanet District Council, Environmental Health Department Last Reported Status: Closed Types of Waste: Non Degradable, Slowly Degradable - Scrap Metal, Putrescible, Hazardous, Inert Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A10NE (SW)	522	3	631067 165239
23	Local Authority Recorded Landfill Sites Location: Prospect Gardens Reference: TH16 Authority: Thanet District Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Unknown Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A9SE (W)	815	3	630671 165111

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A11NW (N)	0	4	631547 165455
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NE (NE)	0	4	632000 166000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NW (N)	0	4	631547 166000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NW (N)	0	4	631547 165455
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NW (N)	0	4	631547 165885
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NE (NE)	0	4	632000 165960
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NE (E)	0	4	632000 165455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NW (N)	0	4	631547 166010
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	(NE)	0	4	632121 166293
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NE (NE)	5	4	632025 166047
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (N)	12	4	631298 166134
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NE (E)	13	4	632000 165295
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NE (NE)	38	4	632000 166075

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10NW (W)	143	4	631000 165455
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NW)	146	4	631000 165888
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NW)	159	4	631000 166000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (E)	269	4	632293 165286
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NE (SE)	293	4	632000 165244
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (E)	298	4	632547 165191

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NE (SE)	316	4	631917 165240
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NW (SW)	366	4	631433 165258
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NW (S)	371	4	631508 165277
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10NW (W)	408	4	631000 165392
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (SE)	433	4	632008 165133
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (E)	443	4	632720 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SE)	471	4	632457 165053
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (SE)	490	4	632000 165120
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10SW (SW)	493	4	631000 165148
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (SE)	499	4	632230 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (SE)	501	4	632000 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (E)	533	4	632685 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (SE)	585	4	632181 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SW (S)	609	4	631547 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	(NW)	611	4	630788 166541
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SW (S)	614	4	631636 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SW (S)	615	4	631566 165041
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SW (S)	664	4	631499 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10SE (SW)	740	4	631101 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10SW (SW)	764	4	631000 165005
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10SW (SW)	769	4	631000 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10SW (SW)	802	4	630906 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10SW (SW)	860	4	630771 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (SE)	869	4	632437 164643

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	(NW)	878	4	630429 166528
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (SW)	903	4	630682 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (SW)	961	4	630576 165000
24	BGS Recorded Mineral Sites Site Name: Mount Pleasant Chalk Pit Location: , Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132289 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Margate Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A14SE (NW)	72	4	631072 165821
25	BGS Recorded Mineral Sites Site Name: Dellside Chalk Pit Location: , Way, Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132292 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Margate Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A15SE (E)	80	4	632032 165529
26	BGS Recorded Mineral Sites Site Name: Way Chalk Pit Location: , Way, Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132293 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A12SW (SE)	466	4	632309 165111

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	BGS Recorded Mineral Sites Site Name: The Freehold Chalk Pit Location: , Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132290 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A10NW (SW)	575	4	631042 165191
28	BGS Recorded Mineral Sites Site Name: Pinks Corner Brick Field Location: , Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132295 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Head, 1 Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A11SW (S)	736	4	631470 164931
29	BGS Recorded Mineral Sites Site Name: Poorman'S Hole Location: , Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132291 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A9SE (W)	856	4	630638 165085
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A11NW (N)	0	-	631547 165455
	Man-Made Mining Cavities Easting: 632000 Northing: 165700 Distance: 0 Quadrant Reference: A15 Quadrant Reference: SE Bearing Ref: NE Cavity Type: Denehole:- vertical shaft having chambers at the base Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology No Details Detail:	A15SE (NE)	0	5	632000 165700
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	4	631542 165540
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A16SW (E)	0	4	632165 165658
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A16SW (E)	0	4	632213 165671

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	4	631547 165885
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14NE (N)	12	4	631298 166134
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	13	4	631433 165258
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	243	4	631547 165000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	160	4	631547 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	127	4	632443 165235
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	4	631547 165885
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A14NE (N)	12	4	631298 166134
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	13	4	631433 165258
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	243	4	631547 165000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	160	4	631547 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	4	631547 165885
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A14NE (N)	12	4	631298 166134
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	13	4	631433 165258
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	243	4	631547 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	4	631547 165799
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	0	4	631480 165324
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	4	631547 165799
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	0	4	631480 165324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Contemporary Trade Directory Entries Name: Bill Reeves M G Centre Location: Rose Farm, Spitfire Way, Manston, Ramsgate, Kent, CT12 5BU Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A16NE (NE)	29	-	632468 166190
31	Contemporary Trade Directory Entries Name: Summit Aviation Location: Merlin House, Merlin Way, Manston, Ramsgate, Kent, CT12 5FE Classification: Aviation Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A15NE (N)	92	-	631807 166167
31	Contemporary Trade Directory Entries Name: Aerospace & Controls Technology Location: Merlin House, Merlin Way, Manston, Ramsgate, CT12 5FE Classification: Control Panels Status: Active Positional Accuracy: Automatically positioned to the address	A15NE (N)	92	-	631767 166175
32	Contemporary Trade Directory Entries Name: Cross Channel Service Station Location: Mount Pleasant, Minster, Ramsgate, Kent, CT12 4AU Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (NW)	129	-	631014 165797
33	Contemporary Trade Directory Entries Name: Mirage Of Kent Ltd Location: Unit 12, Laundry Road, Minster, Ramsgate, CT12 4HY Classification: Window Tinting Status: Active Positional Accuracy: Automatically positioned to the address	A11NW (E)	150	-	631706 165495
33	Contemporary Trade Directory Entries Name: Rainbow International Location: Unit 5, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NW (E)	170	-	631672 165478
33	Contemporary Trade Directory Entries Name: Advanced Engineering Location: Unit 5, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Metal Products - Fabricated Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NW (E)	170	-	631672 165478
33	Contemporary Trade Directory Entries Name: Manex Joinery Location: Unit 5, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NW (E)	170	-	631672 165478
33	Contemporary Trade Directory Entries Name: East Kent Cartons Location: Unit 2, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Boxes & Cartons Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A11NW (E)	179	-	631679 165468
33	Contemporary Trade Directory Entries Name: Trucklife Location: Unit 7-8, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address	A11NW (E)	179	-	631679 165468
33	Contemporary Trade Directory Entries Name: Minster Mot & Service Centre Ltd Location: Unit 24, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A11NW (E)	179	-	631679 165468
33	Contemporary Trade Directory Entries Name: Wilson & Wilson Field Sports Ltd Location: Laundry Road, Minster, RAMSGATE, Kent, CT12 4HL Classification: Gunsmiths Status: Active Positional Accuracy: Automatically positioned to the address	A11NW (E)	179	-	631679 165468

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	Contemporary Trade Directory Entries Name: Tri-Air & Diving Products Innovations Location: Laundry Rd, Minster, Ramsgate, Kent, CT12 4HL Classification: Ventilators & Ventilation Systems Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A11NW (E)	179	-	631679 165468
34	Contemporary Trade Directory Entries Name: Whites Transport Ltd Location: Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A11NW (NE)	169	-	631614 165486
34	Contemporary Trade Directory Entries Name: Total Energy Control Ltd Location: Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Generators - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NW (NE)	169	-	631614 165486
34	Contemporary Trade Directory Entries Name: M T N Products Location: Unit 23, Laundry Rd, Minster, Ramsgate, Kent, CT12 4HY Classification: Water Coolers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A11NW (E)	200	-	631620 165454
35	Contemporary Trade Directory Entries Name: Houston Wire Works Location: Unit 29, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Water Coolers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NW (SE)	271	-	631672 165376
35	Contemporary Trade Directory Entries Name: Selous Location: Unit 31, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A11NW (SE)	272	-	631672 165376
35	Contemporary Trade Directory Entries Name: The Water Delivery Co Ltd Location: Unit 29, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Water Coolers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A11NW (SE)	272	-	631672 165376
36	Contemporary Trade Directory Entries Name: Euro Team Location: 93, Tothill Street, Minster, Ramsgate, Kent, CT12 4AP Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A10NE (W)	462	-	631058 165305
37	Contemporary Trade Directory Entries Name: Adrian Smith Associates Ltd Location: 22, Orchard Close, Minster, RAMSGATE, Kent, CT12 4AL Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A10SW (SW)	660	-	630938 165142
38	Contemporary Trade Directory Entries Name: Fuelsure Location: The Outlook, Foxborough Lane, Minster, Ramsgate, Kent, CT12 4AH Classification: Tank Cleaning & Repairing Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SE (SW)	763	-	631097 164977
39	Contemporary Trade Directory Entries Name: V Technical Location: Tothill Street, Minster, Ramsgate, Kent, CT12 4AG Classification: Office Equipment Servicing & Maintenance Status: Active Positional Accuracy: Manually positioned within the geographical locality	A6NW (SW)	941	-	630965 164831

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	Fuel Station Entries Name: Co-Op Minster Location: Tothill Street, Minster, Thanet, Kent, CT12 4AY Brand: Texaco Premises Type: Service Area Status: Open Positional Accuracy: Manually positioned to the address or location	A14SE (NW)	90	-	631173 165661
41	Fuel Station Entries Name: Cross Channel Service Station Location: Mount Pleasant, Minster, RAMSGATE, Kent, CT12 4AU Brand: Total Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A14SW (NW)	129	-	631014 165797

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Nitrate Vulnerable Zones Name: Not Supplied Description: Groundwater Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A11NW (N)	0	6	631547 165455

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Thanet District Council - Environmental Health Department Dover District Council - Environmental Health Department	April 2014 January 2015	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Southern Region	January 2016	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Southern Region	January 2016	Quarterly
Local Authority Integrated Pollution Prevention And Control Thanet District Council - Environmental Health Department Dover District Council - Environmental Health Department	April 2014 June 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Thanet District Council - Environmental Health Department Dover District Council - Environmental Health Department	April 2014 June 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Thanet District Council - Environmental Health Department Dover District Council - Environmental Health Department	April 2014 June 2014	Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Southern Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Southern Region	March 2013	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	January 2016 January 2016	Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	January 2016	Quarterly
Water Industry Act Referrals Environment Agency - Southern Region	January 2016	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	January 2015	As notified
Source Protection Zones Environment Agency - Head Office	January 2016	Quarterly

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2016	Quarterly
Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	March 2016	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	February 2016 February 2016	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	January 2016 January 2016	Quarterly Quarterly
Local Authority Landfill Coverage Dover District Council - Environmental Health Department Kent County Council - Waste Management Group Thanet District Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Dover District Council - Environmental Health Department Kent County Council - Waste Management Group Thanet District Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	February 2016	Bi-Annually
Explosive Sites Health and Safety Executive	February 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Thanet District Council Dover District Council - Planning Department Kent County Council	February 2016 January 2016 January 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Thanet District Council Dover District Council - Planning Department Kent County Council	February 2016 January 2016 January 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2015	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2015	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2015	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Outstanding Natural Beauty Natural England	October 2015	Bi-Annually
Environmentally Sensitive Areas Natural England	October 2015	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	October 2015	Bi-Annually
Marine Nature Reserves Natural England	October 2015	Bi-Annually
National Nature Reserves Natural England	October 2015	Bi-Annually
National Parks Natural England	March 2016	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	October 2015	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2015	Bi-Annually
Special Areas of Conservation Natural England	October 2015	Bi-Annually
Special Protection Areas Natural England	October 2015	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Thanet District Council - Environmental Health Department Council Offices, Cecil Street, Margate, Kent, CT9 1XZ	Telephone: 01843 577000 Fax: 01843 290906 Website: www.thanet.gov.uk
4	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
5	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
6	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
7	Natural England Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
9	Kent County Council - Waste Management Group Block H, The Forstal, Beddow Way, Aylesford, Kent, ME20 7BT	Telephone: 01622 605976 Website: www.kent.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

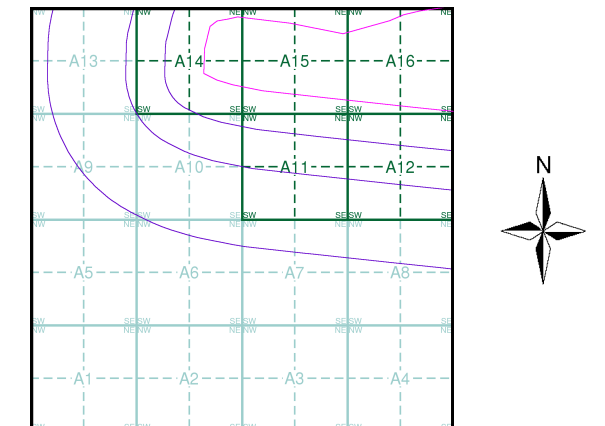
1:10,000 Raster Mapping

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

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:10,560	1877	2
Kent	1:10,560	1898 - 1899	3
Kent	1:10,560	1908	4
Kent	1:10,560	1908	5
Kent	1:10,560	1908	6
Kent	1:10,560	1931 - 1939	7
Kent	1:10,560	1931	8
Kent	1:10,560	1938 - 1946	9
Historical Aerial Photography	1:10,560	1945 - 1949	10
Kent	1:10,560	1948 - 1951	11
Historical Aerial Photography	1:10,560	1948 - 1949	12
Ordnance Survey Plan	1:10,000	1960 - 1961	13
Ordnance Survey Plan	1:10,000	1968	14
Ordnance Survey Plan	1:10,000	1975	15
Ordnance Survey Plan	1:10,000	1982	16
Ordnance Survey Plan	1:10,000	1990 - 1991	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2016	19

Historical Map - Slice A

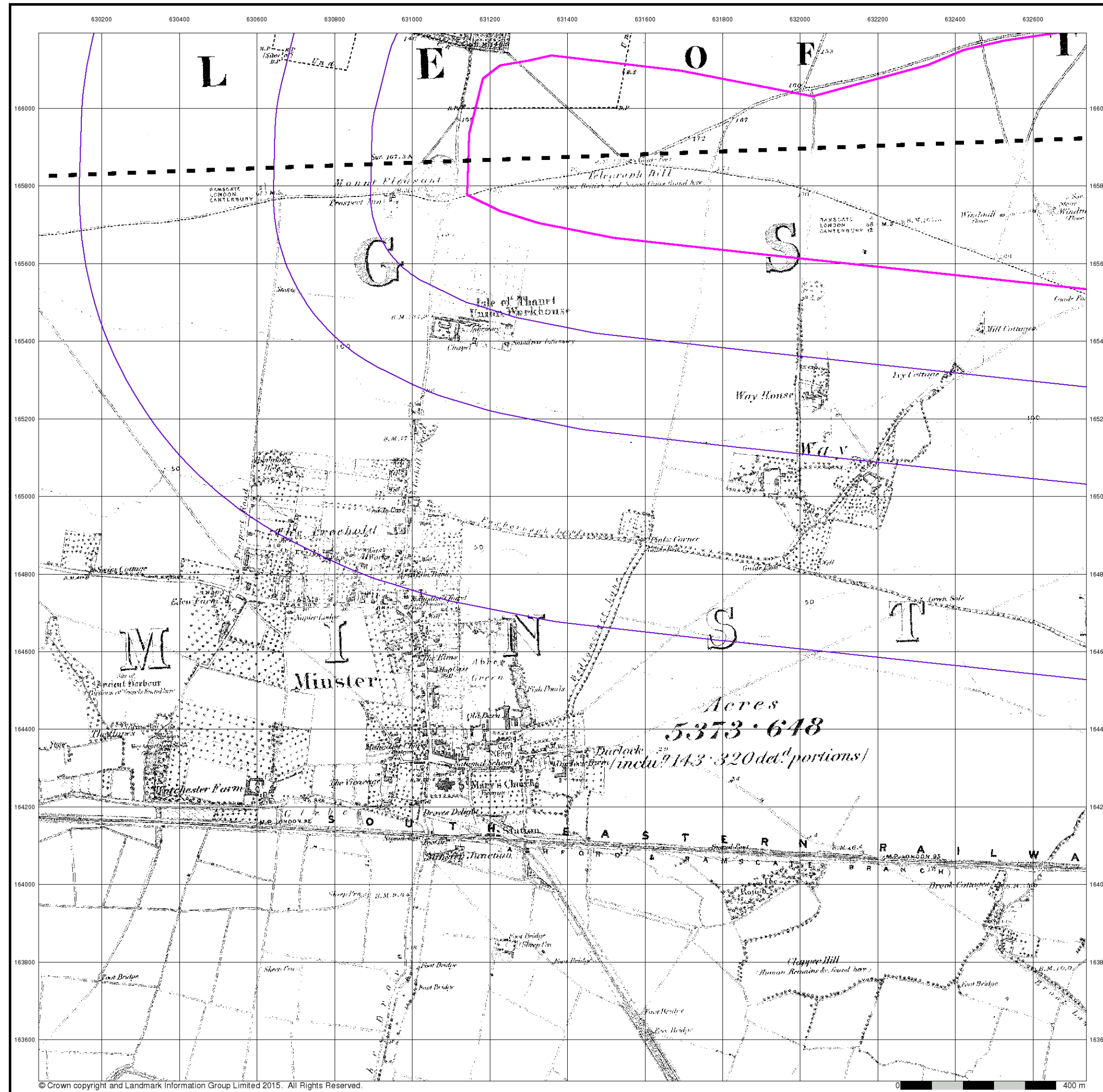


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
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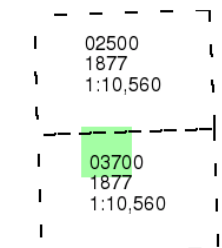
Kent

Published 1877

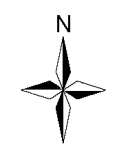
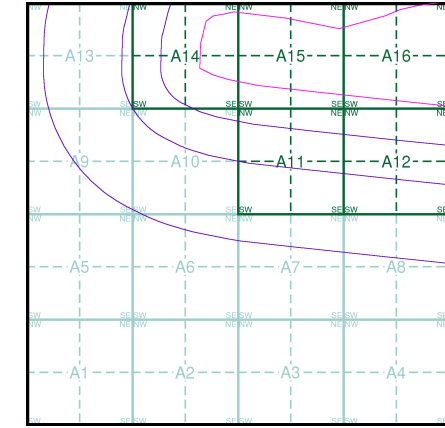
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details	
Order Number:	82787389_1_1
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Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details
Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



Kent

Published 1898 - 1899

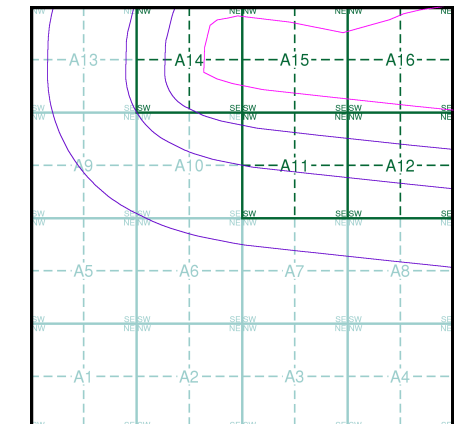
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Map Name(s) and Date(s)

025SW 1898 1:10,560	025SE 1899 1:10,560
037NW 1898 1:10,560	037NE 1899 1:10,560

Historical Map - Slice A

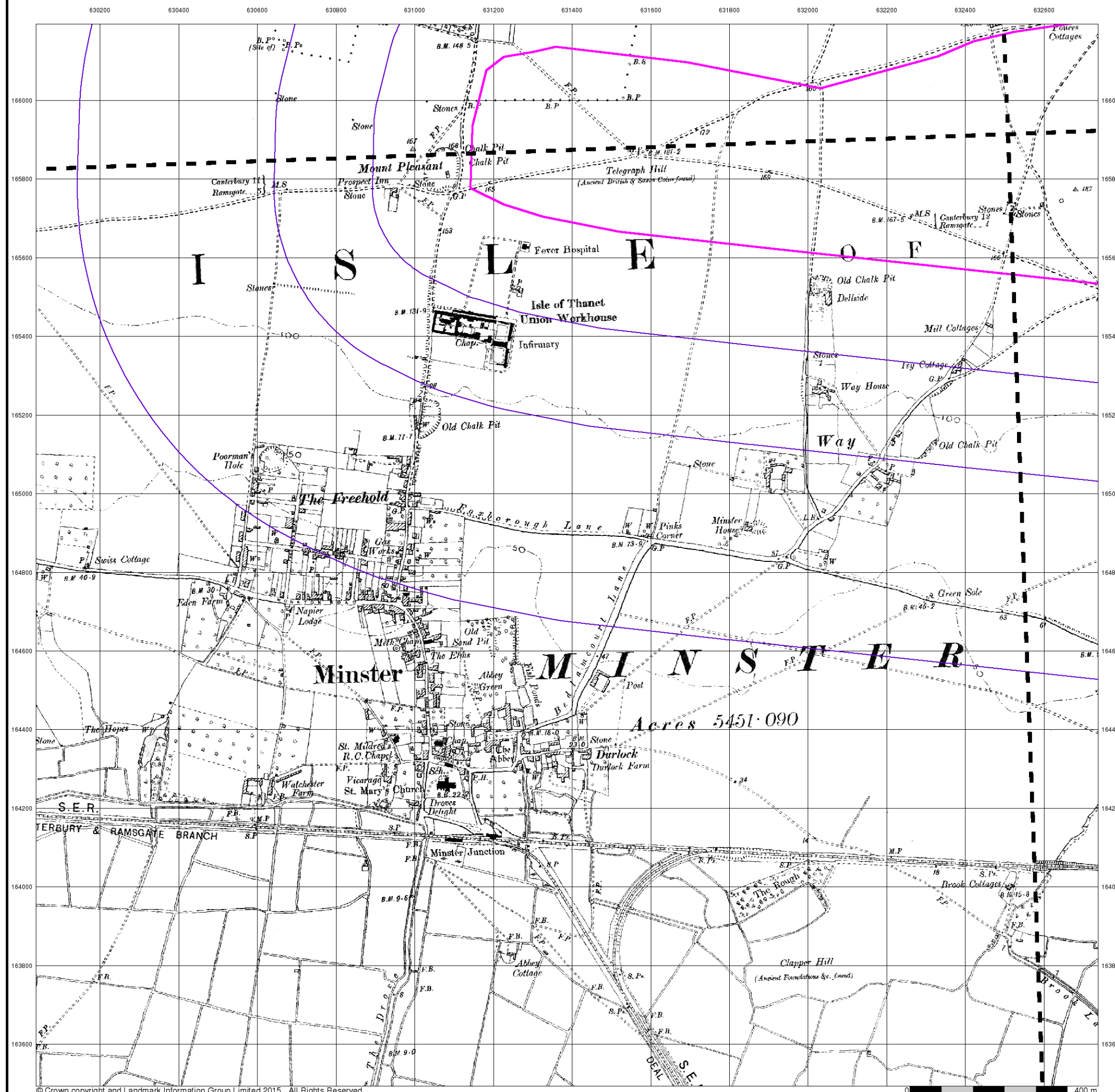


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Order Number: 82787389_1_1
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 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

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Kent

Published 1908

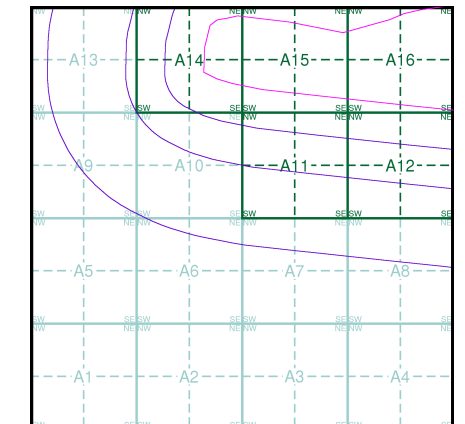
Source map scale - 1:10,560

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Map Name(s) and Date(s)

025SW 1908 1:10,560	025SE 1908 1:10,560
037NW 1908 1:10,560	037NE 1908 1:10,560

Historical Map - Slice A

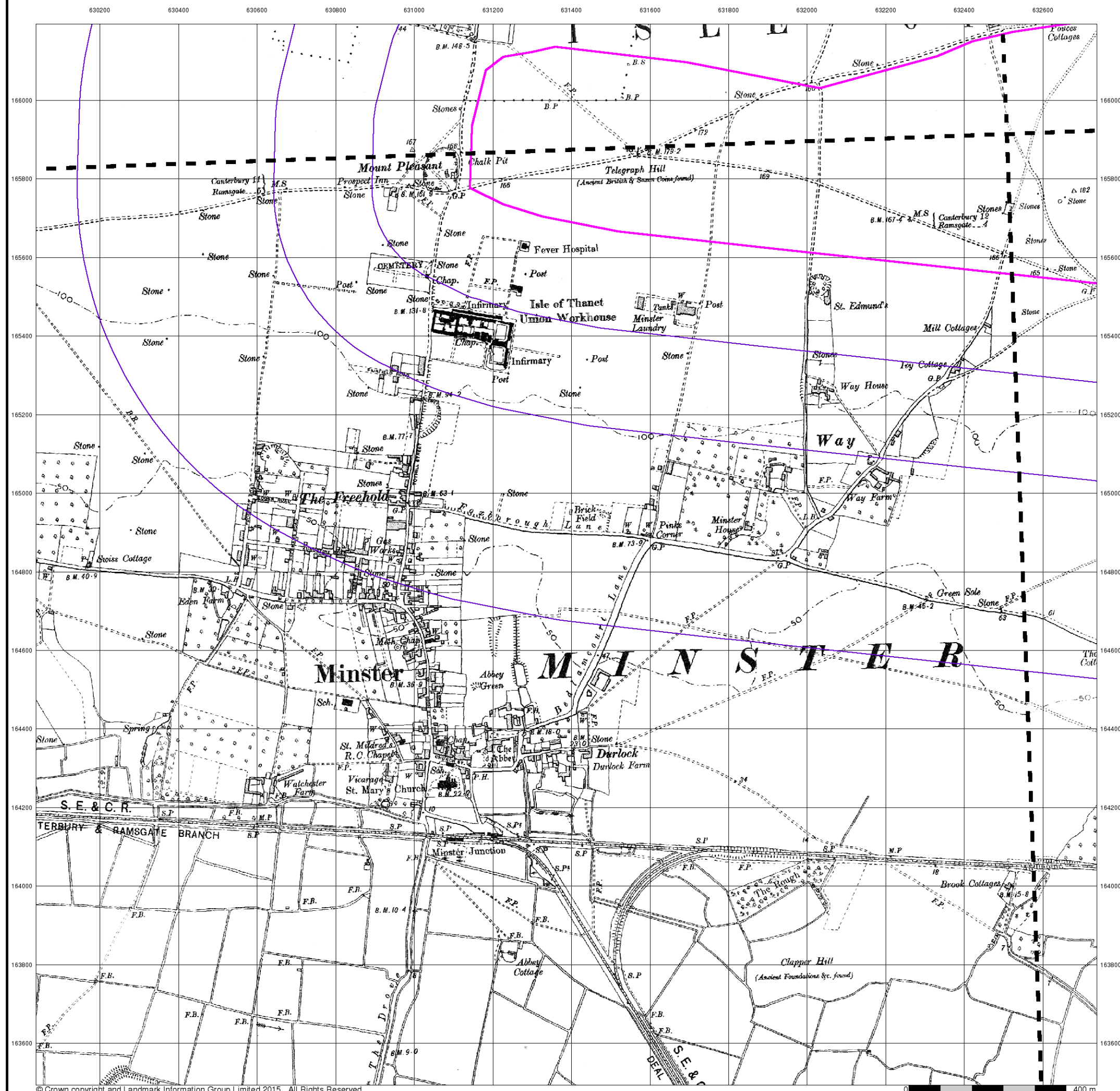


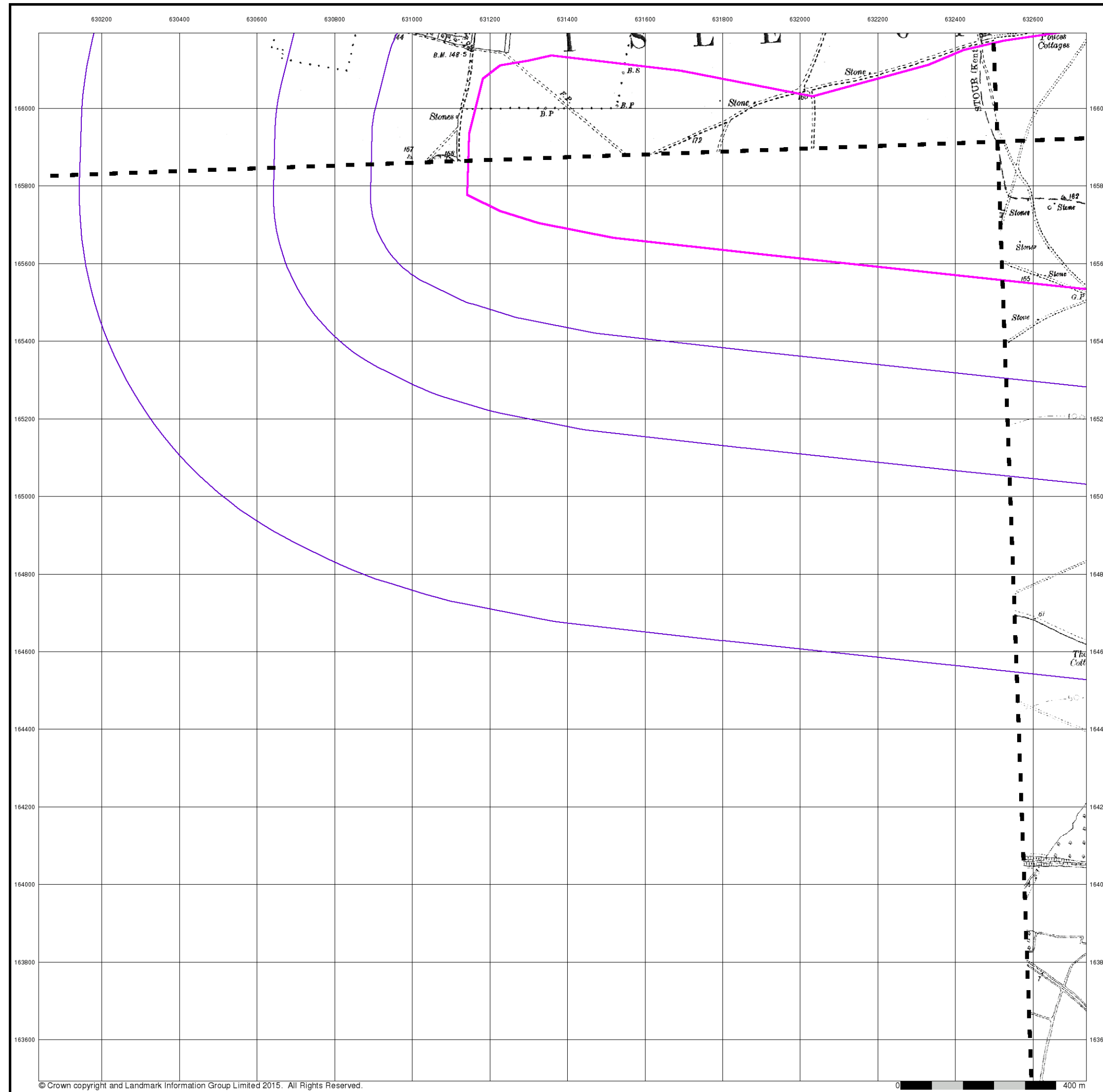
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Kent

Published 1908

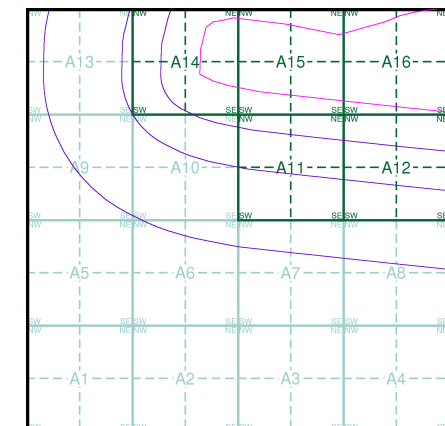
Source map scale - 1:10,560

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Map Name(s) and Date(s)

025SW 1908 1:10,560	025SE 1908 1:10,560
	037NE 1908 1:10,560

Historical Map - Slice A



Order Details

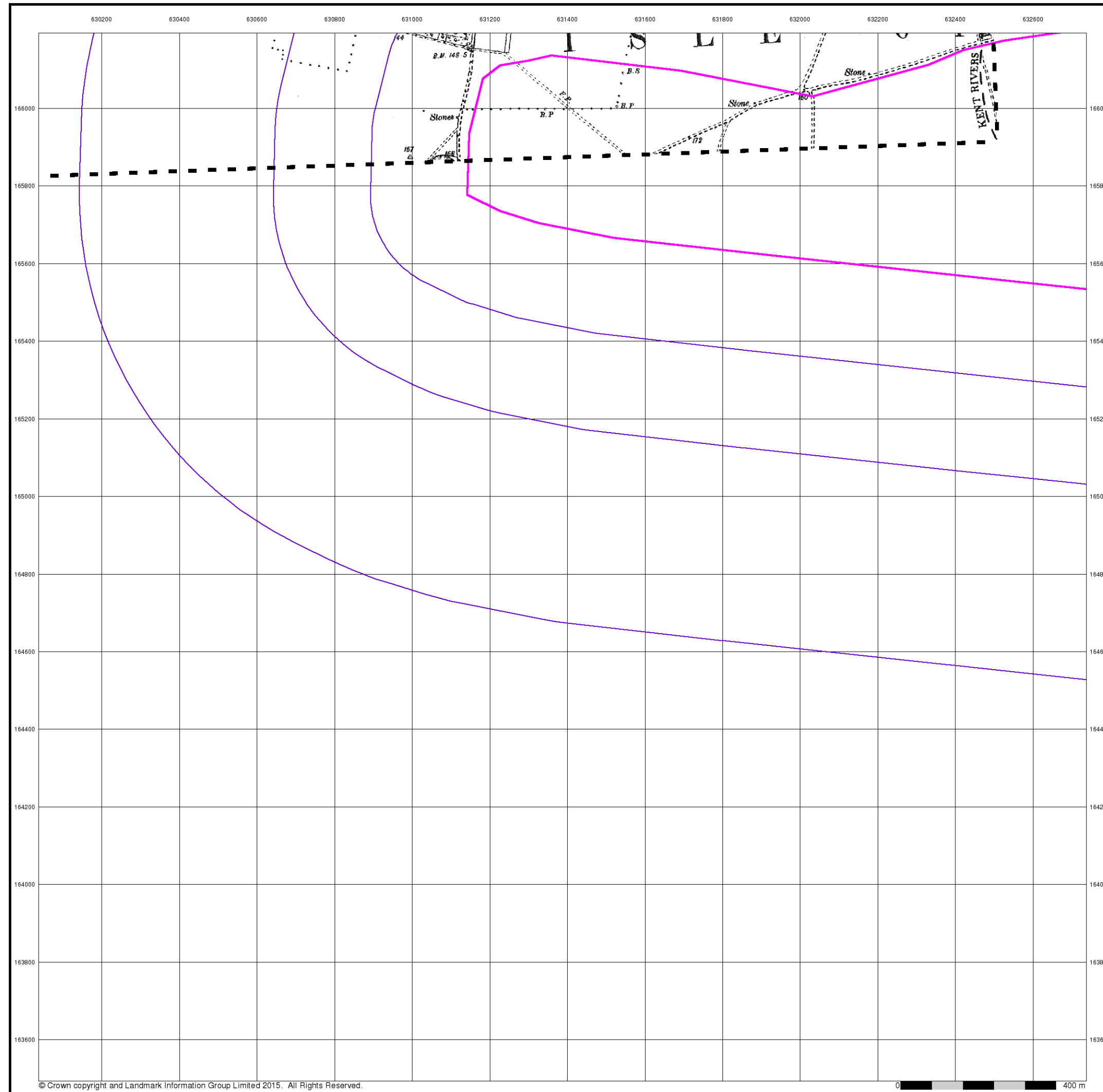
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Web: www.envirocheck.co.uk



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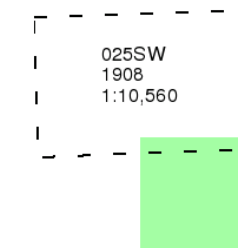
Kent

Published 1908

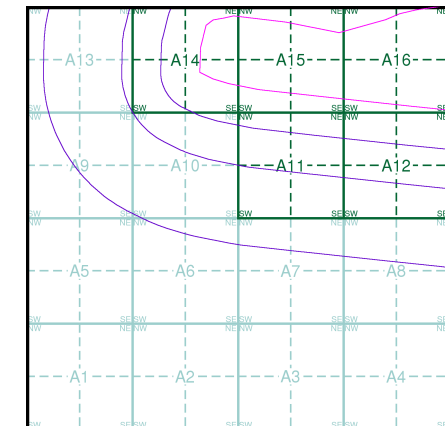
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
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Kent

Published 1931 - 1939

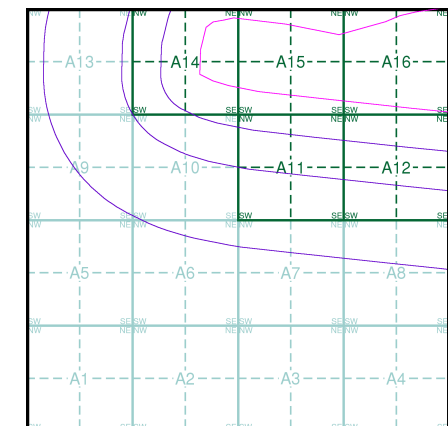
Source map scale - 1:10,560

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Map Name(s) and Date(s)

025SW 1939 1:10,560	025SE 1931 1:10,560
	037NE 1931 1:10,560

Historical Map - Slice A

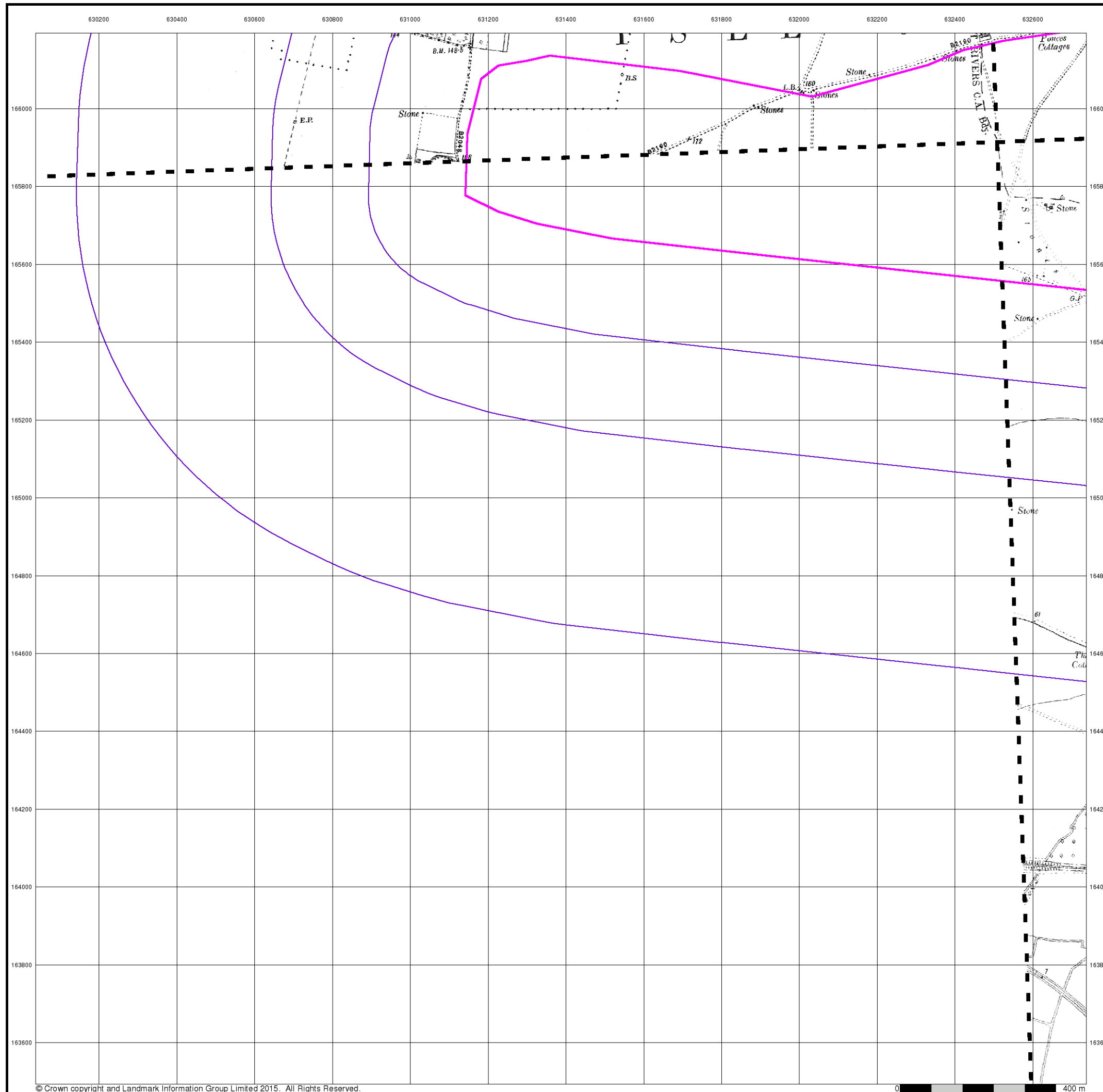


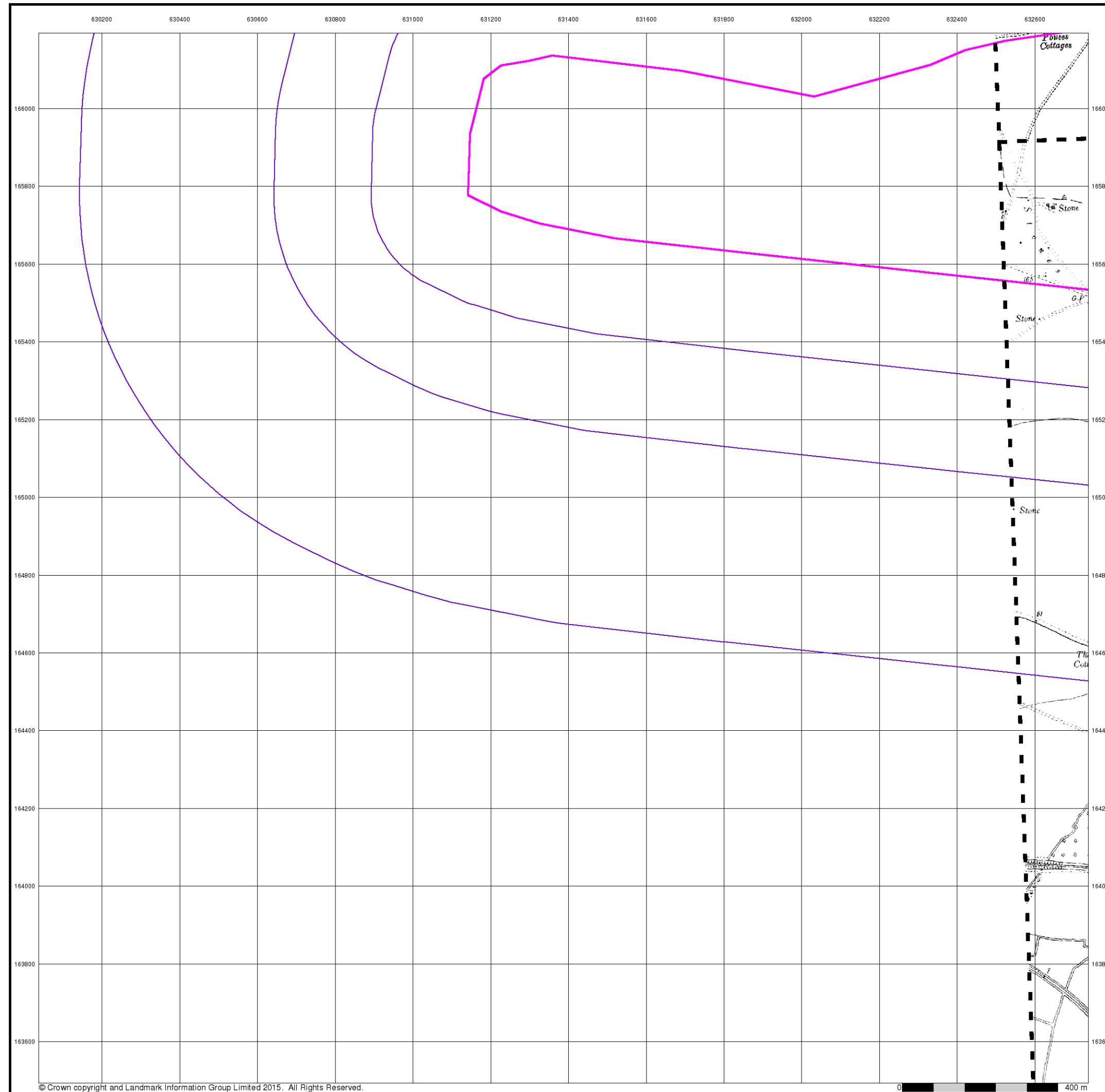
Order Details

Order Number: 82787389_1_1
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Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

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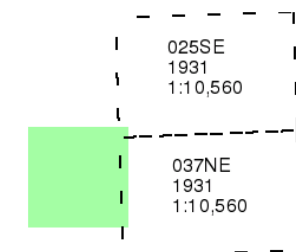
Kent

Published 1931

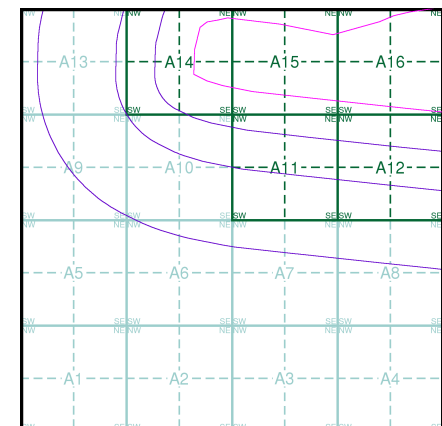
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 82787389_1_1
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Web: www.envirocheck.co.uk

Kent

Published 1938 - 1946

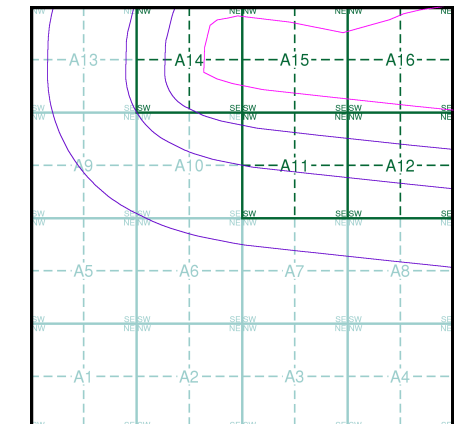
Source map scale - 1:10,560

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Map Name(s) and Date(s)

025SW 1946 1:10,560	025SE 1938 1:10,560
037NW 1938 1:10,560	037NE 1938 1:10,560

Historical Map - Slice A

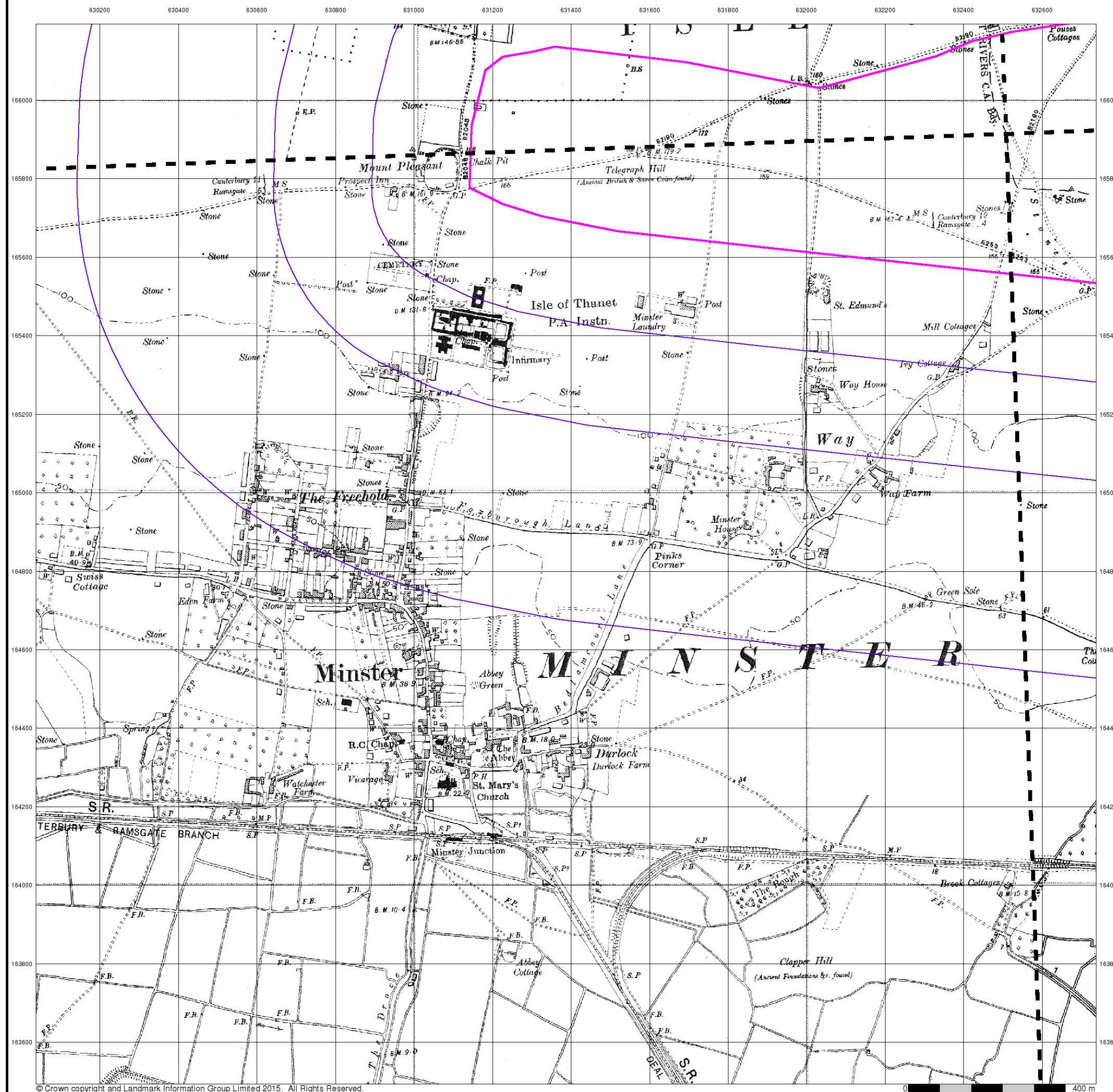


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



Historical Aerial Photography

Published 1945 - 1949

Source map scale - 1:10,560

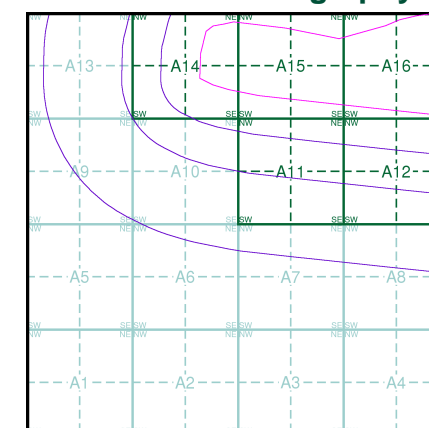
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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Map Name(s) and Date(s)

TR36NW
1945
1:10,560
TR36SW
1949
1:10,560

Historical Aerial Photography - Slice A



LIBRARY
HS111RB

Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL

Kent

Published 1948 - 1951

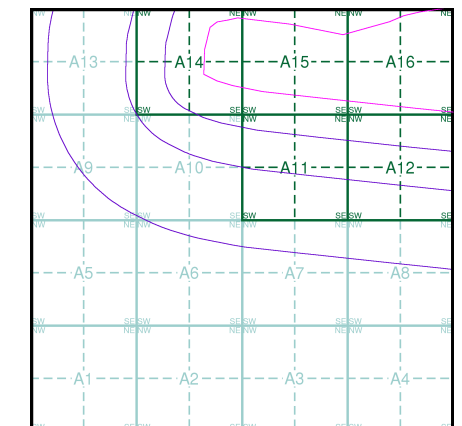
Source map scale - 1:10,560

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Map Name(s) and Date(s)

025SE	1948	1:10,560
037NW	1948	1:10,560
037NE	1951	1:10,560

Historical Map - Slice A

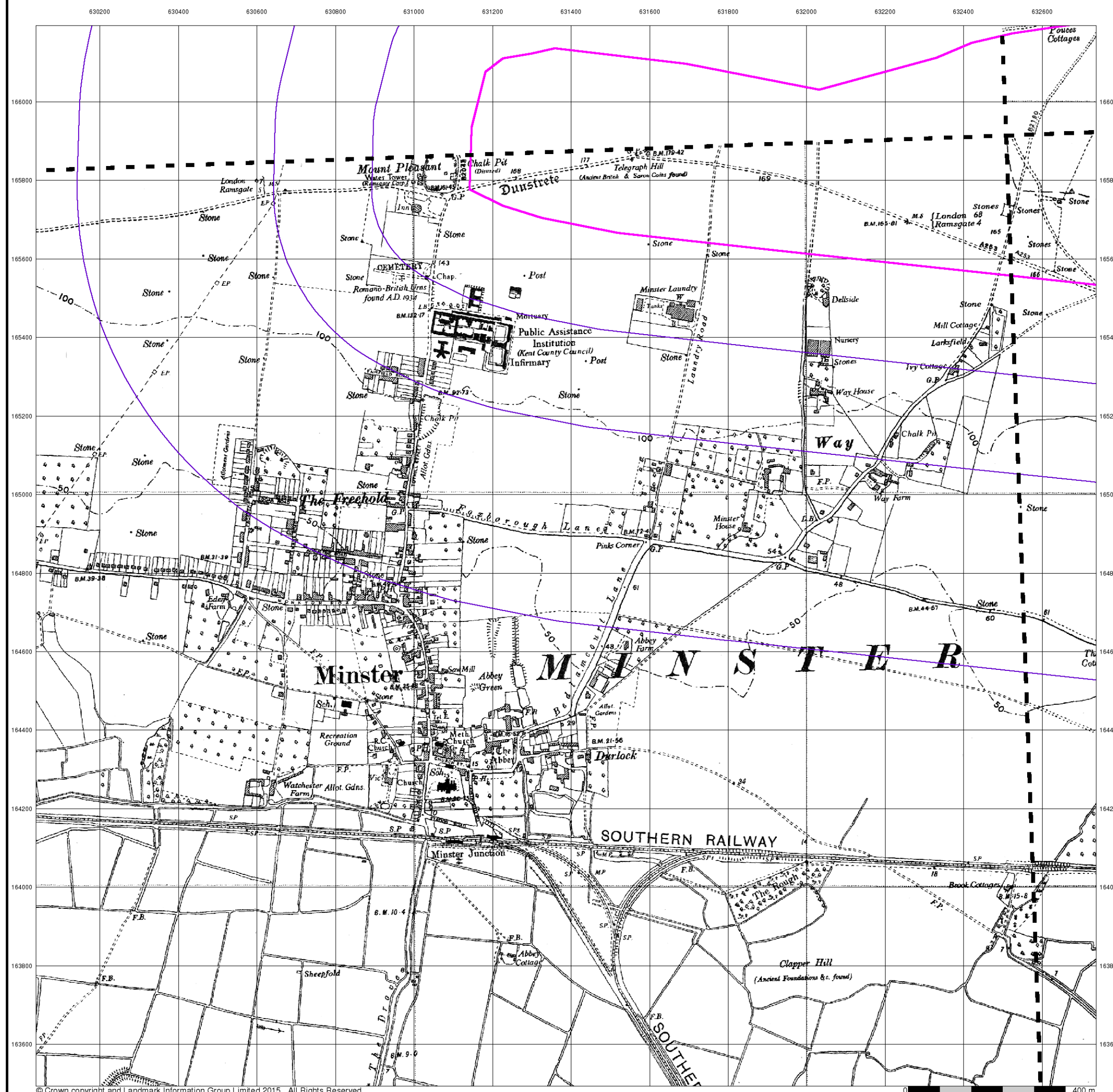


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 Manston, RAMSGATE, Kent, CT12 5BL



Historical Aerial Photography

Published 1948 - 1949

Source map scale - 1:10,560

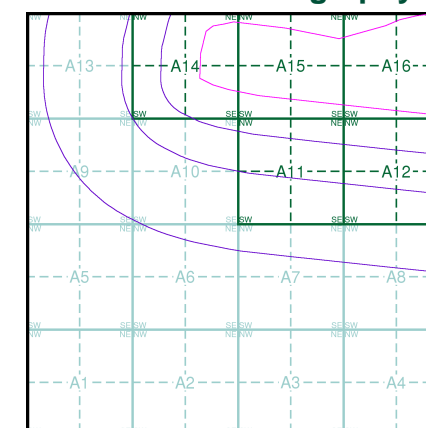
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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Map Name(s) and Date(s)

TR36NW
1948
1:10,560
TR36SW
1949
1:10,560

Historical Aerial Photography - Slice A



LIBRARY
HSILIRB

Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL

Ordnance Survey Plan

Published 1968

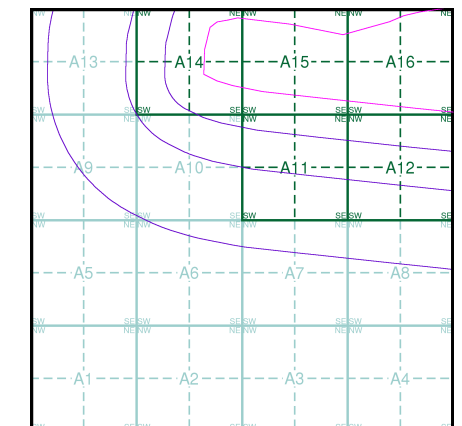
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TR36NW	1968
1:10,560	
TR36SW	1968
1:10,560	

Historical Map - Slice A

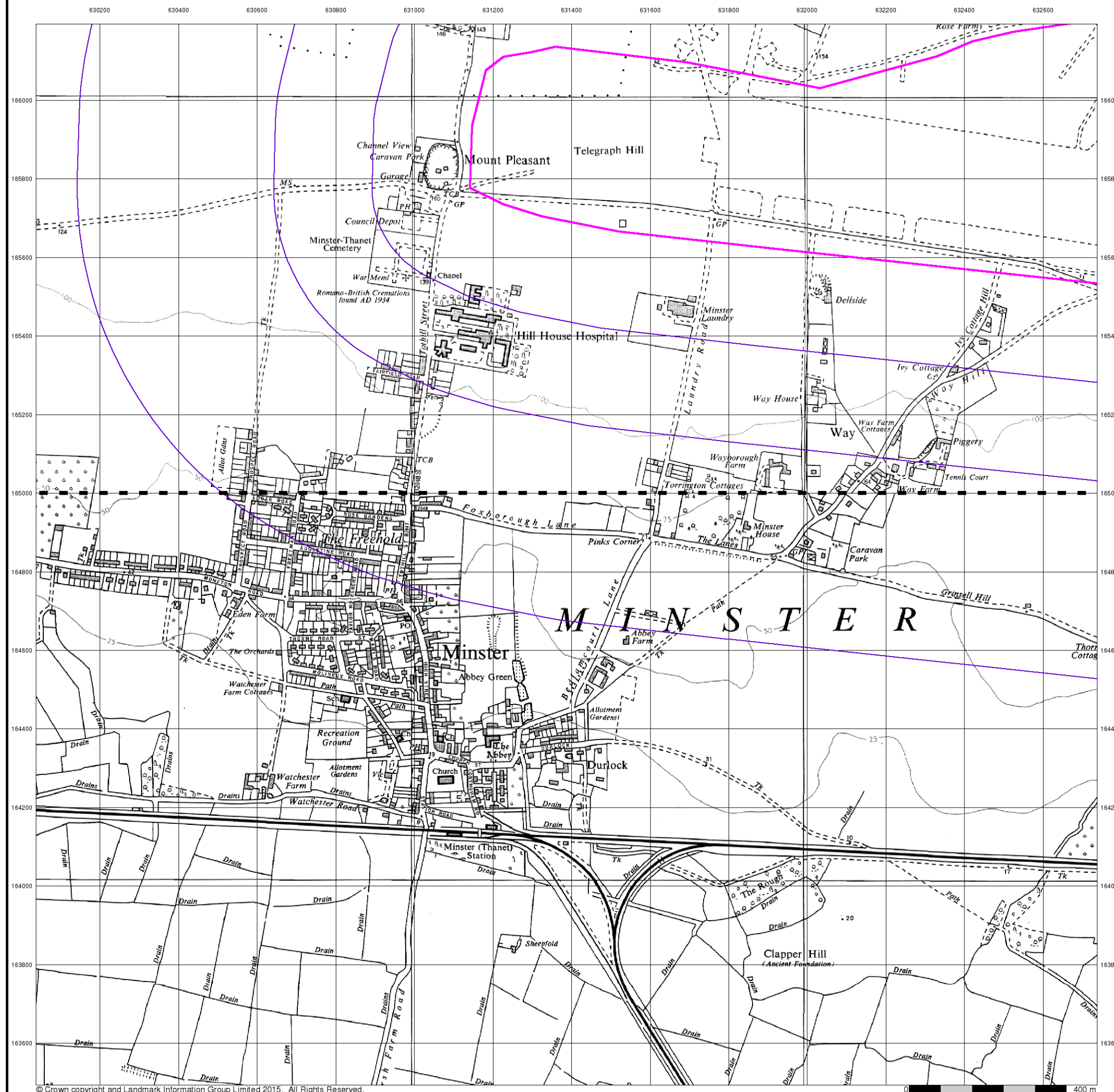


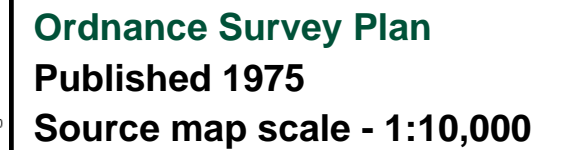
Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL





Map Name(s) and Date(s)

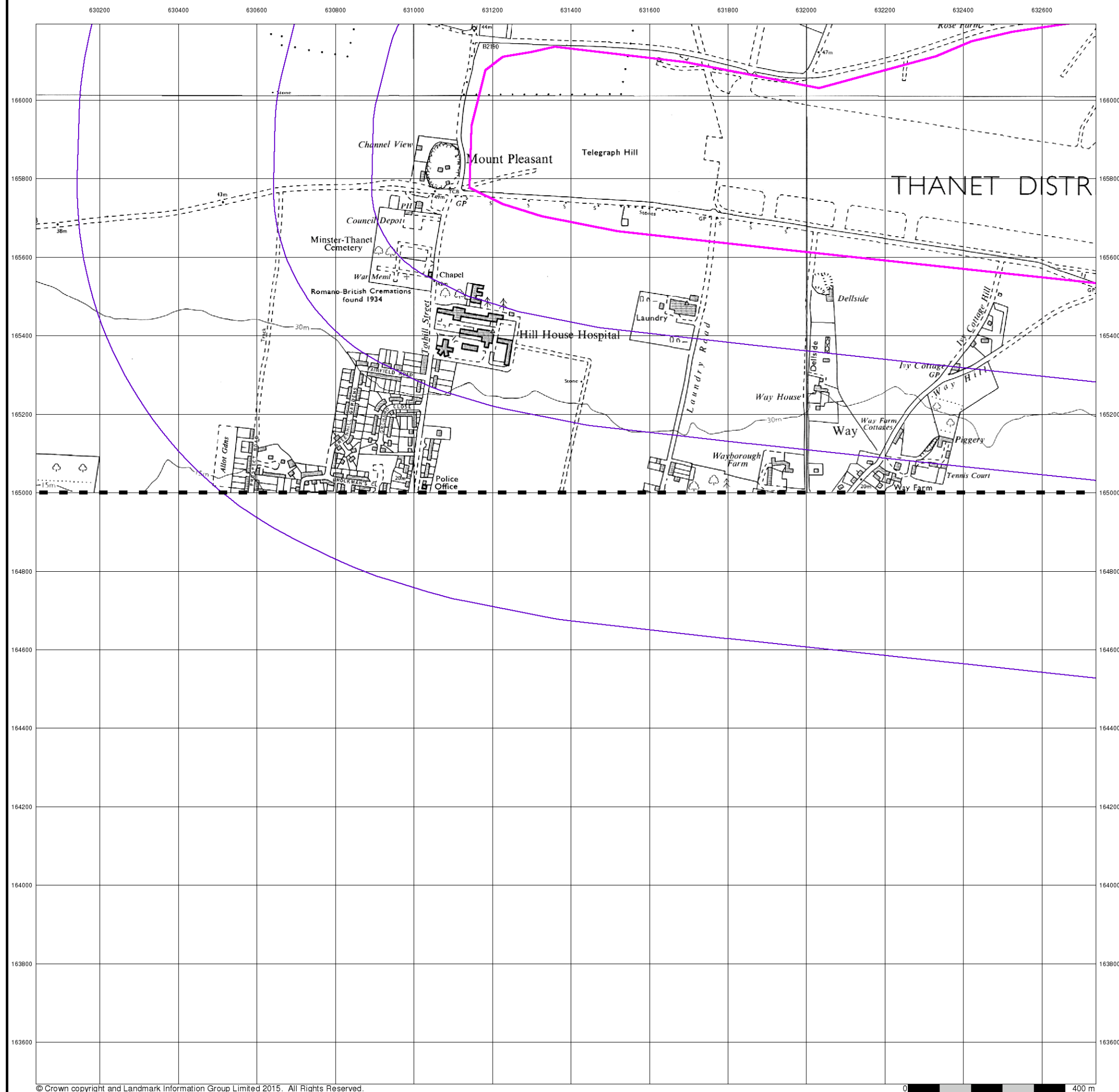


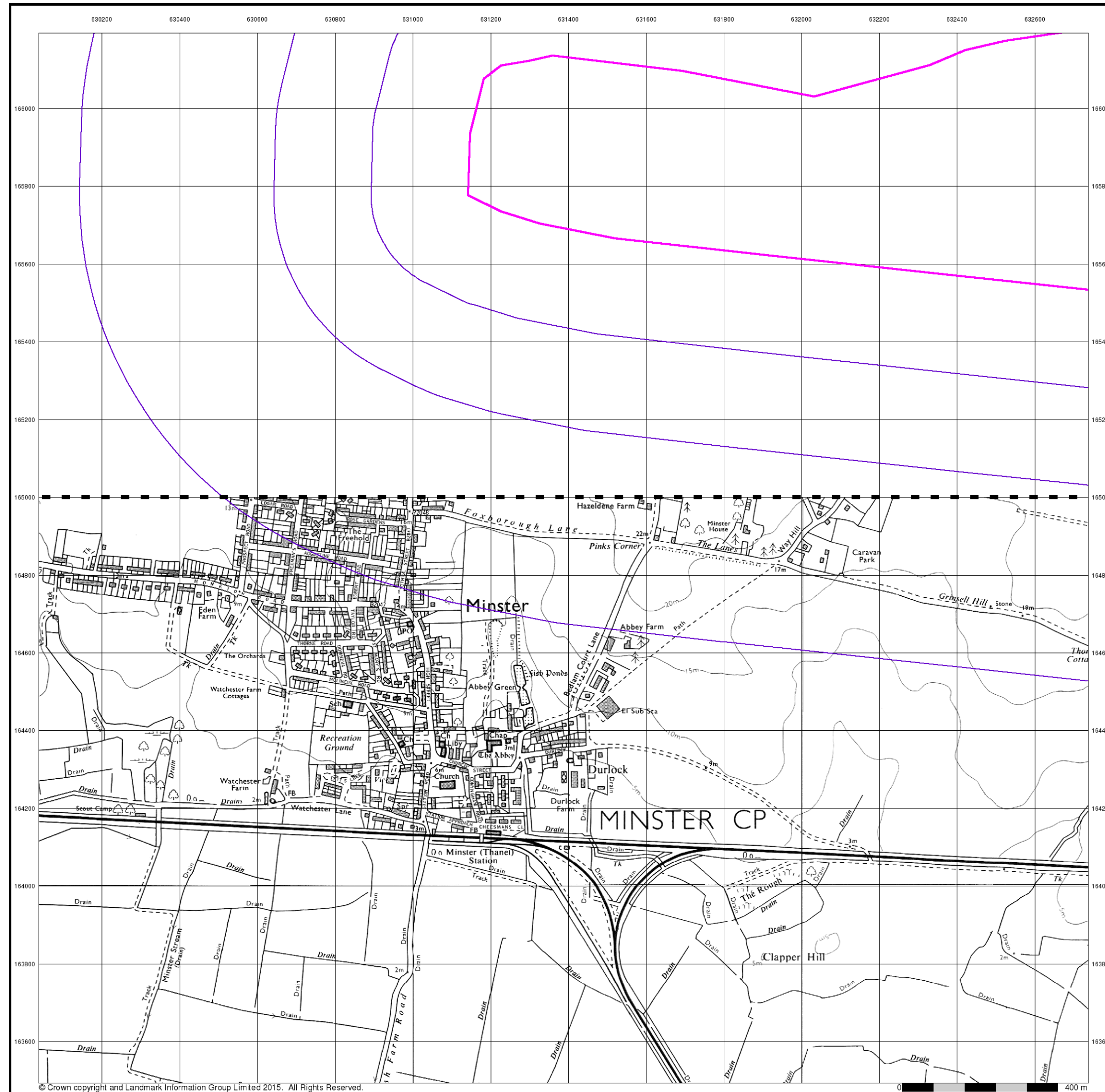
Site Details



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A Landmark Information Group Service v47.0 17-Mar-2016 Page 15 of 19





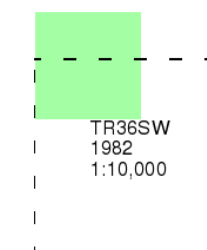
Ordnance Survey Plan

Published 1982

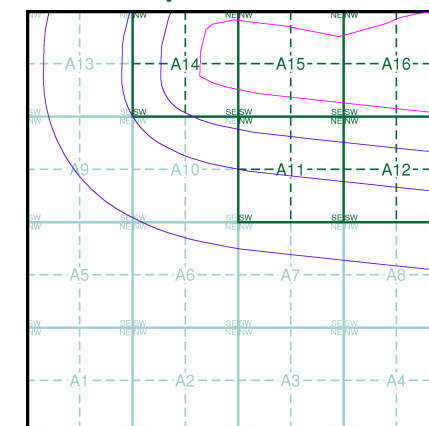
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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Web: www.envirocheck.co.uk

Ordnance Survey Plan

Published 1990 - 1991

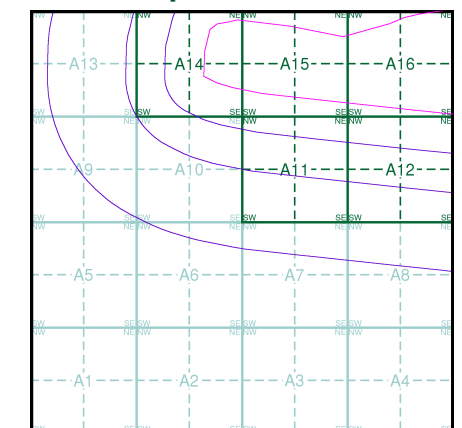
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TR36NW	1991
1:10,000	
TR36SW	1990
1:10,000	

Historical Map - Slice A

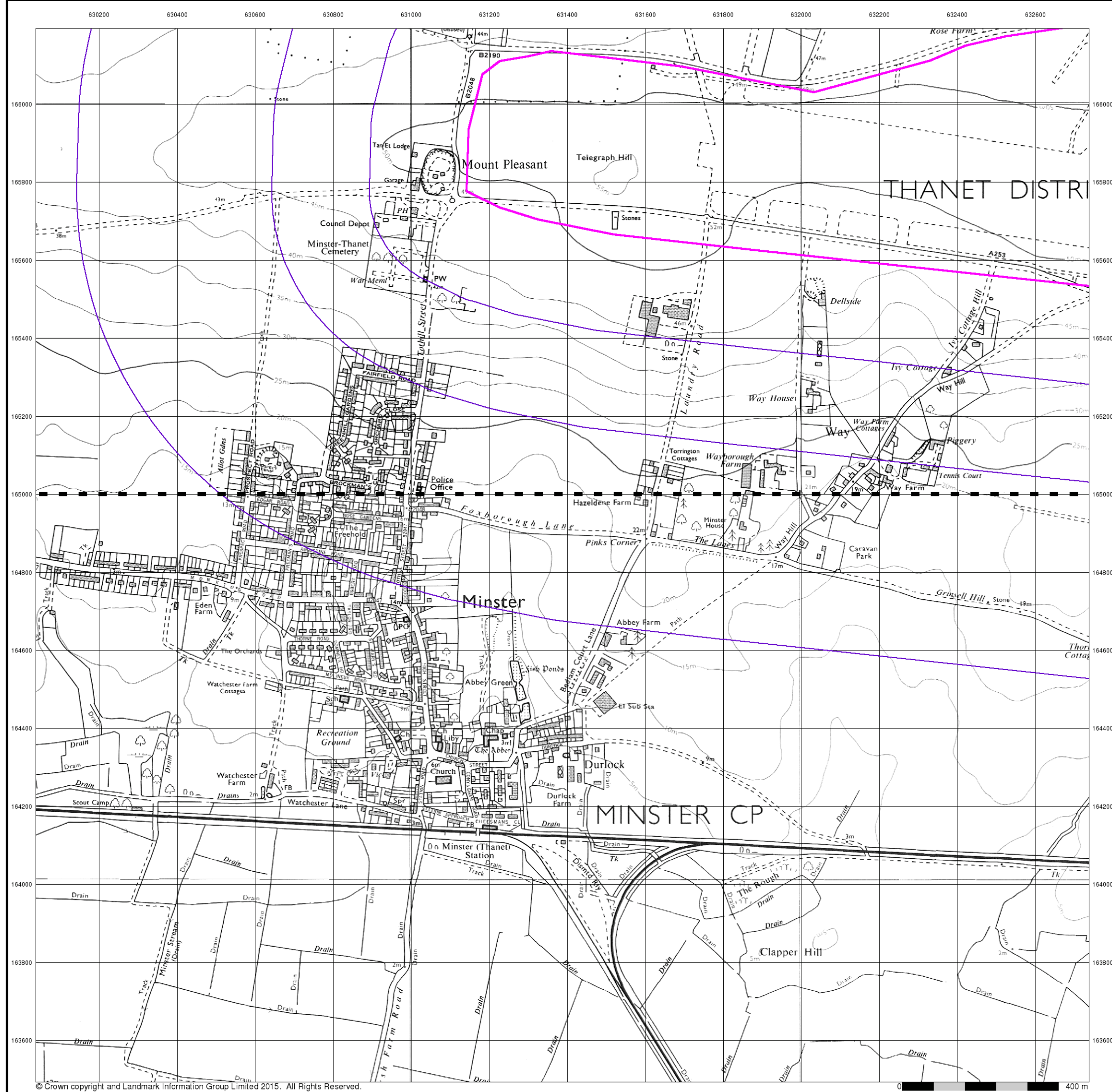


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



10k Raster Mapping

Published 2006

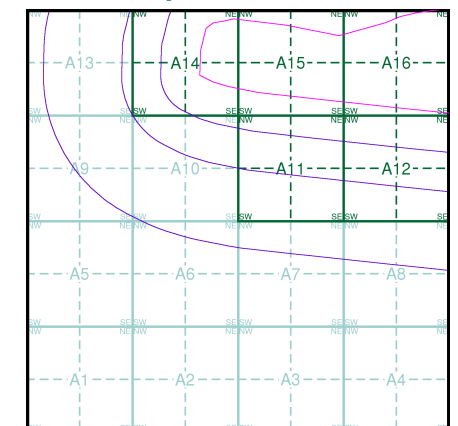
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TR36NW
2006
1:10,000
TR36SW
2006
1:10,000

Historical Map - Slice A



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



VectorMap Local

Published 2016

Source map scale - 1:10,000

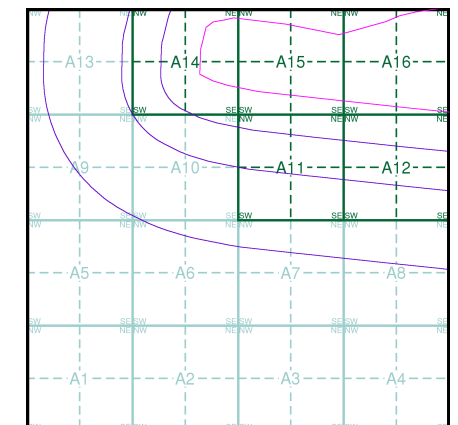
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

TR36NW
2016
Variable

TR36SW
2016
Variable

Historical Map - Slice A

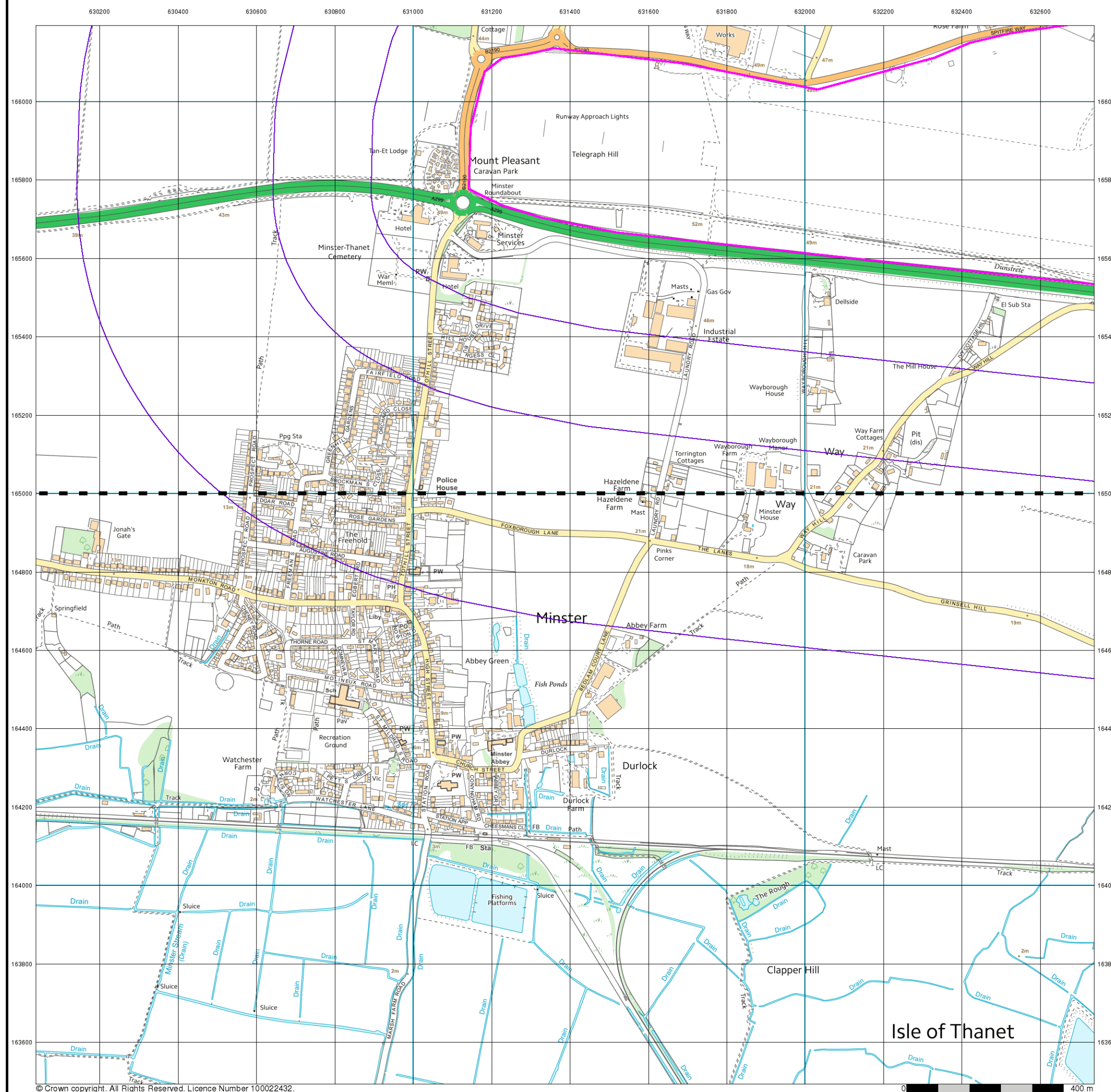


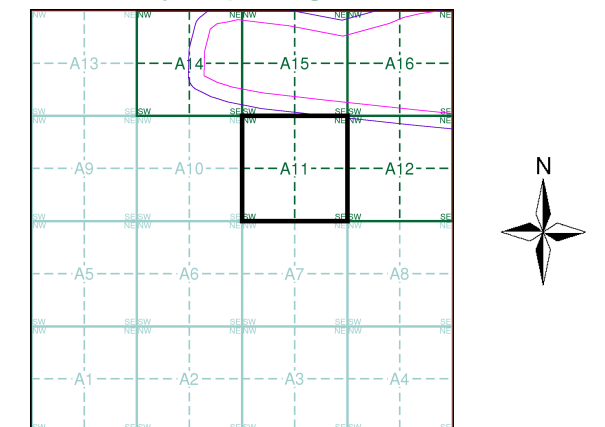
Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



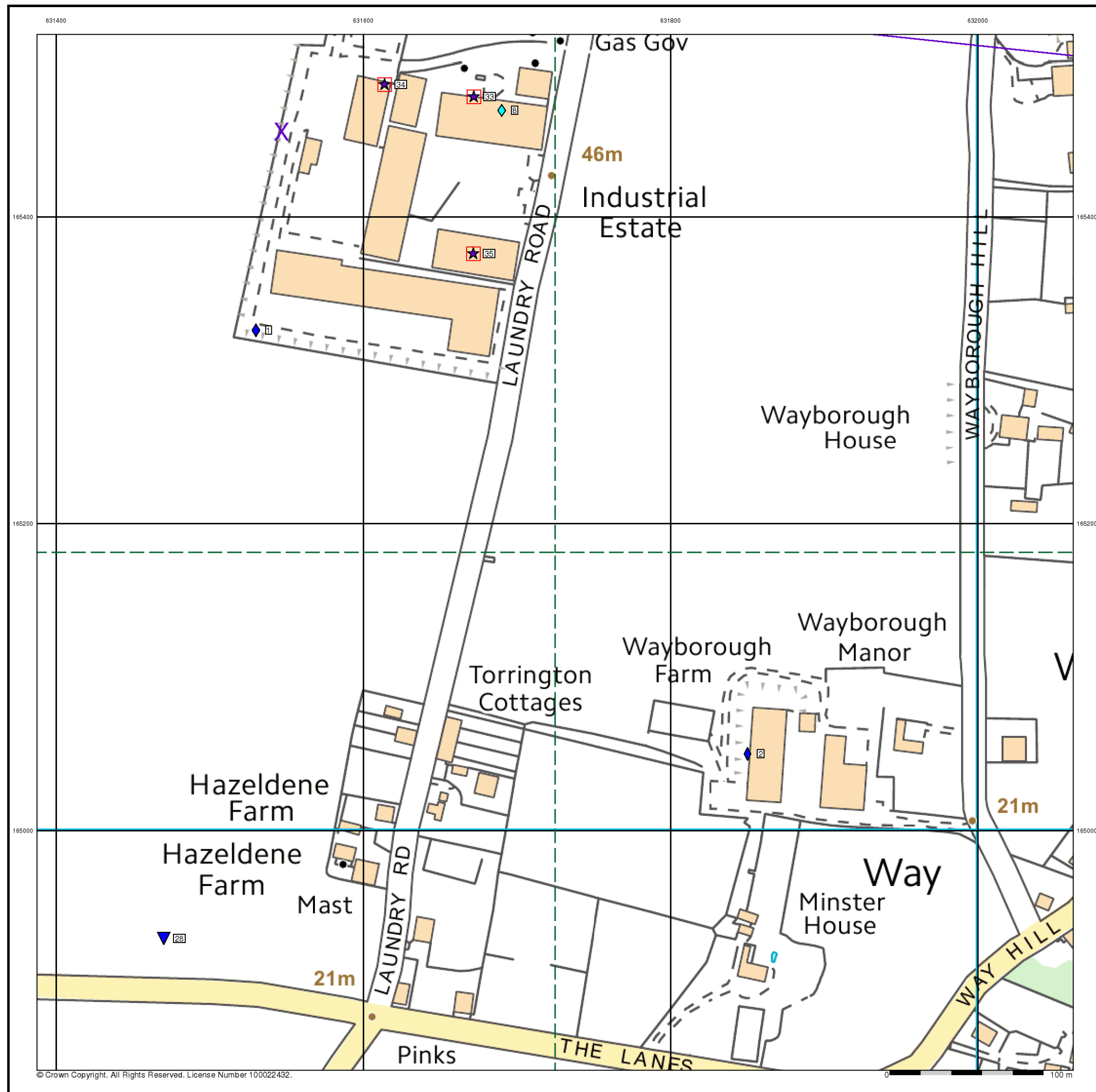


Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



General

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

Agency and Hydrological

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

Waste

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

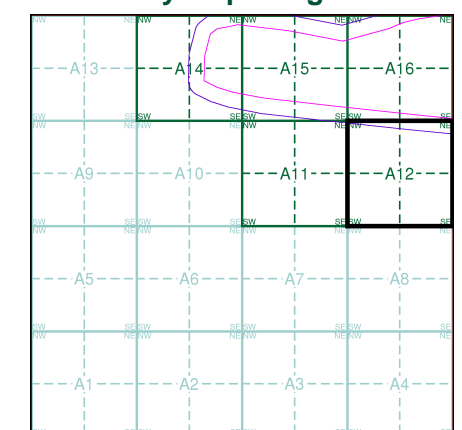
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Segment A12

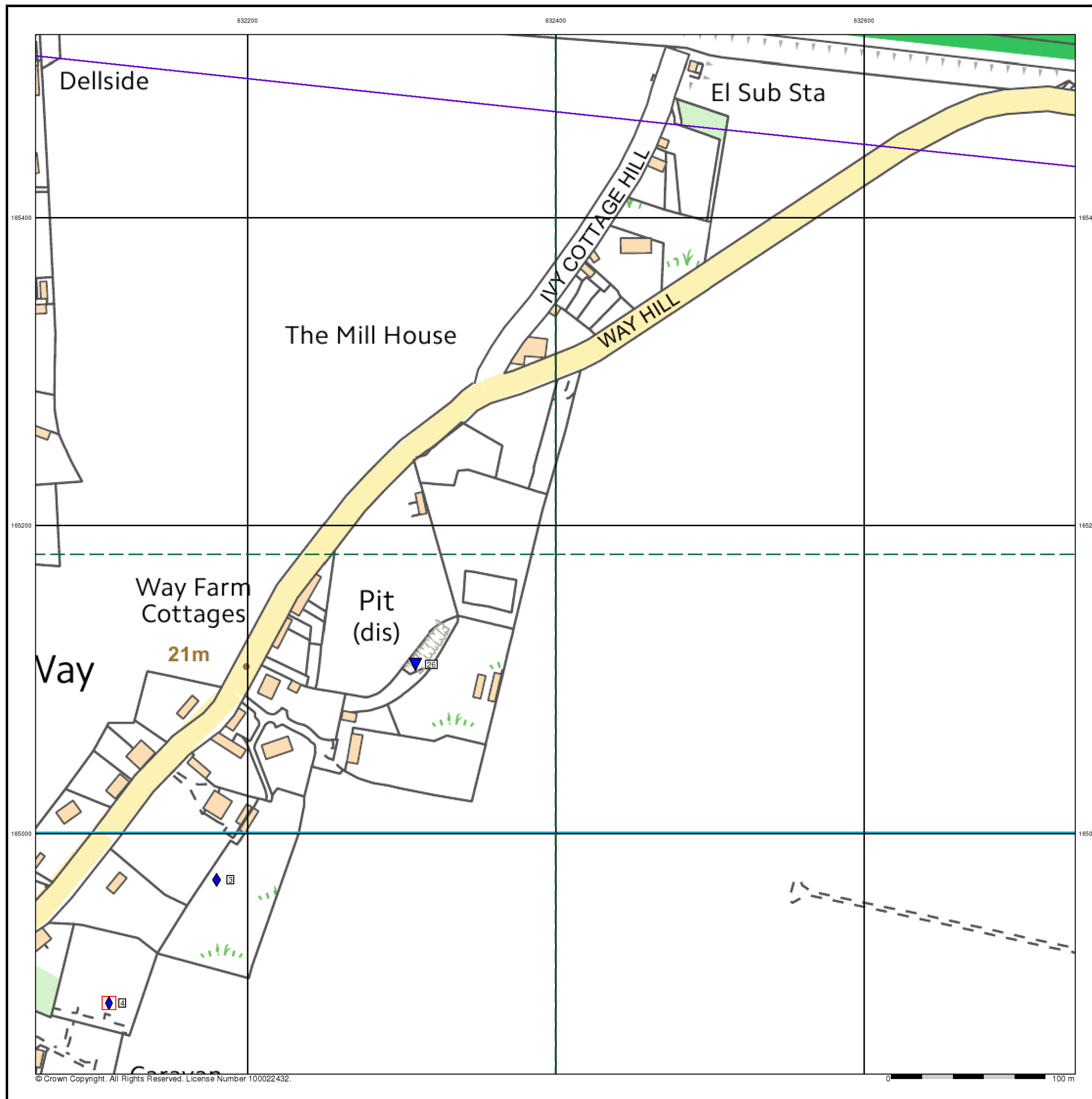


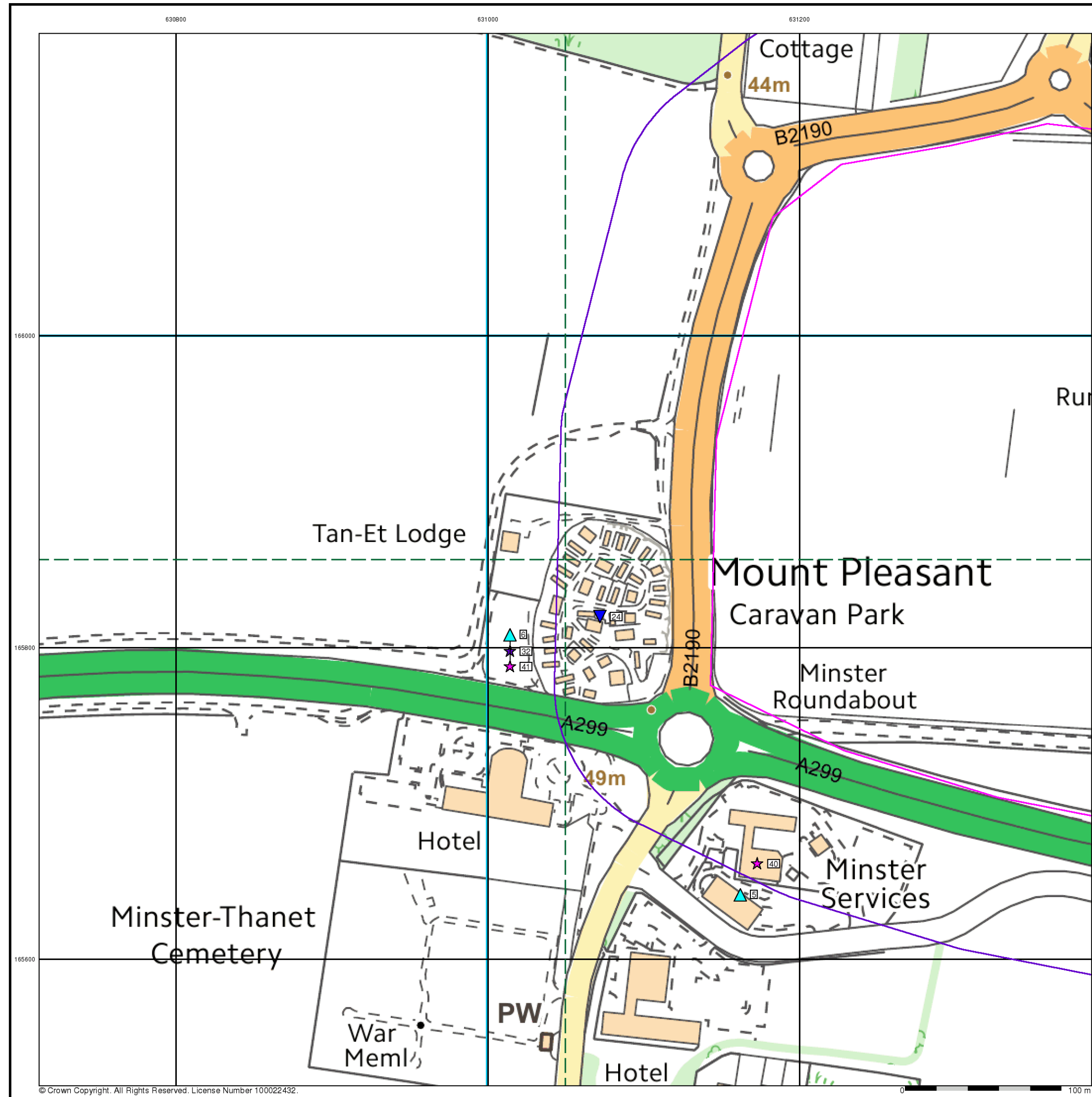
Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL

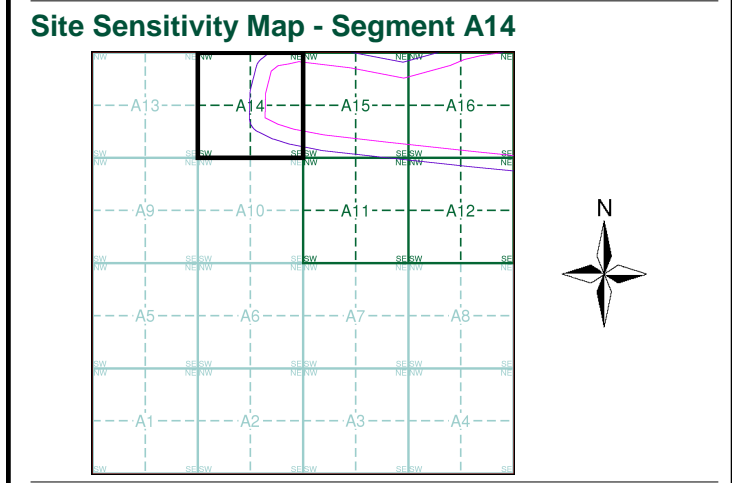




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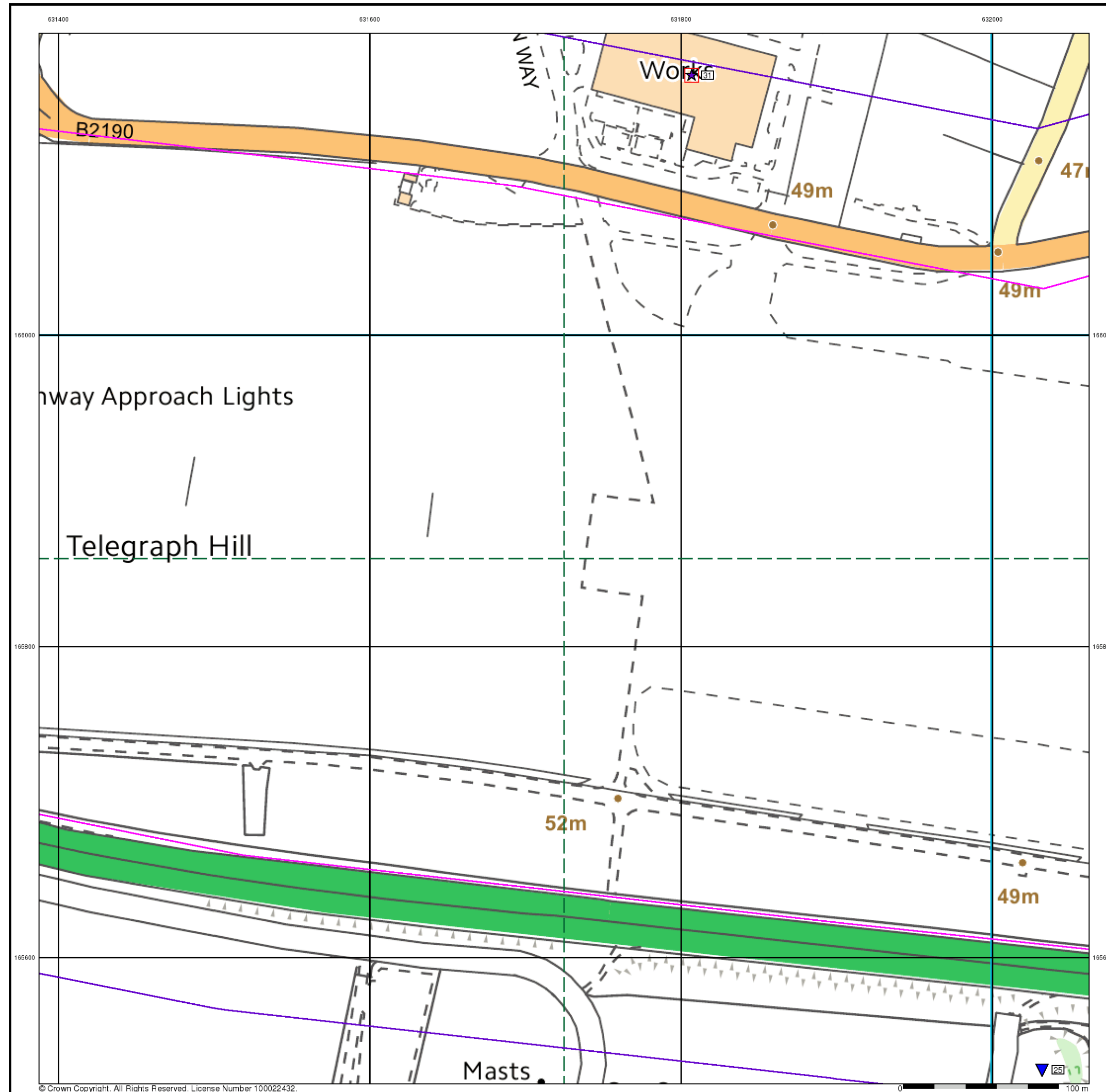
- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition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



Order Details
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39

Site Details
Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL































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
















General

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






Agency and Hydrological

- | | | | |
|---|--|---|--|
|  | Contaminated Land Register Entry or Notice (Location) |  | BGS Recorded Landfill Site (Location) |
|  | Contaminated Land Register Entry or Notice |  | BGS Recorded Landfill Site |
|  | Discharge Consent |  | EA Historic Landfill (Buffered Point) |
|  | Enforcement or Prohibition Notice |  | EA Historic Landfill (Polygon) |
|  | Integrated Pollution Control |  | Integrated Pollution Control Registered Waste Site |
|  | Integrated Pollution Prevention Control |  | Licensed Waste Management Facility (Landfill Boundary) |
|  | Local Authority Integrated Pollution Prevention and Control |  | Licensed Waste Management Facility (Location) |
|  | Local Authority Pollution Prevention and Control |  | Local Authority Recorded Landfill Site (Location) |
|  | Local Authority Pollution Prevention and Control Enforcement |  | Local Authority Recorded Landfill Site |
|  | Pollution Incident to Controlled Waters |  | Registered Landfill Site |
|  | Prosecution Relating to Authorised Processes |  | Registered Landfill Site (Location) |
|  | Prosecution Relating to Controlled Waters |  | Registered Landfill Site (Point Buffered to 100m) |
|  | Registered Radioactive Substance |  | Registered Landfill Site (Point Buffered to 250m) |
|  | River Network or Water Feature |  | Registered Waste Transfer Site (Location) |
|  | River Quality Sampling Point |  | Registered Waste Transfer Site |
|  | Substantiated Pollution Incident Register |  | Registered Waste Treatment or Disposal Site (Location) |
|  | Water Abstraction |  | Registered Waste Treatment or Disposal Site |
|  | Water Industry Act Referral | | |

Waste

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

Hazardous Substances

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

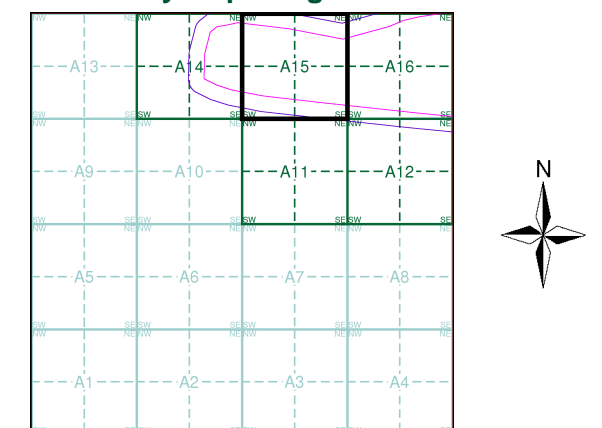
Geological

-  BGS Recorded Mineral Site

Industrial Land Use

- ✱ Contemporary Trade Directory Entry
 ✖ Planning Hazardous Substance Consent
- ✱ Fuel Station Entry
 ✖ Planning Hazardous Substance Enforcement

Site Sensitivity Map - Segment A15



Order Details

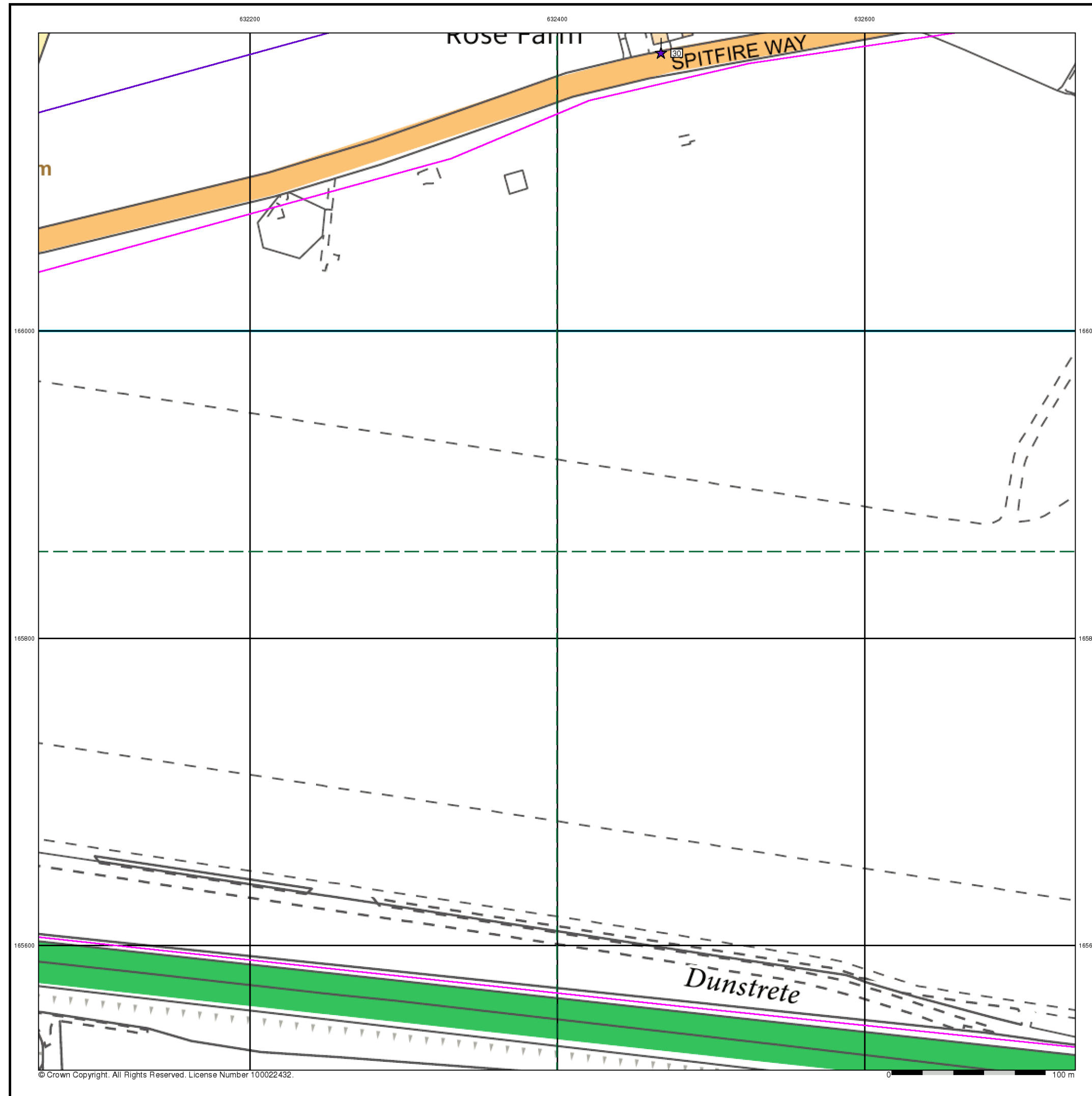
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39

Site Details

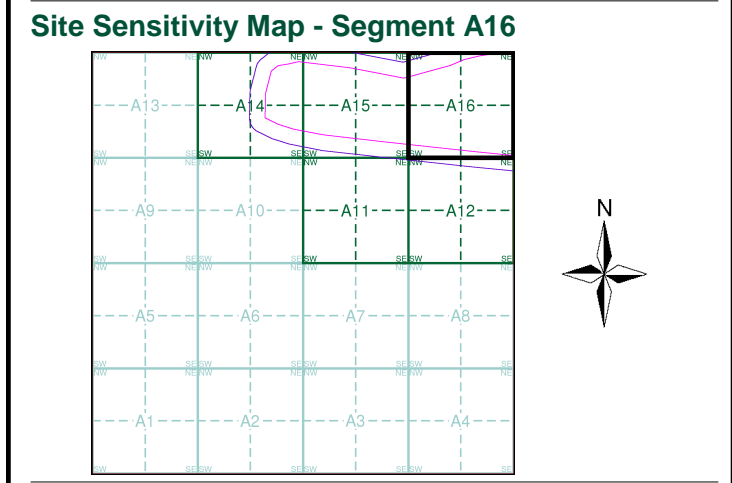
Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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



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



Order Details
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39

Site Details
Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL

General

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

Agency and Hydrological

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

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
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- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

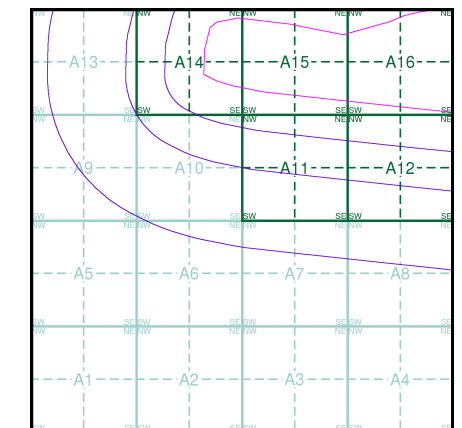
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A

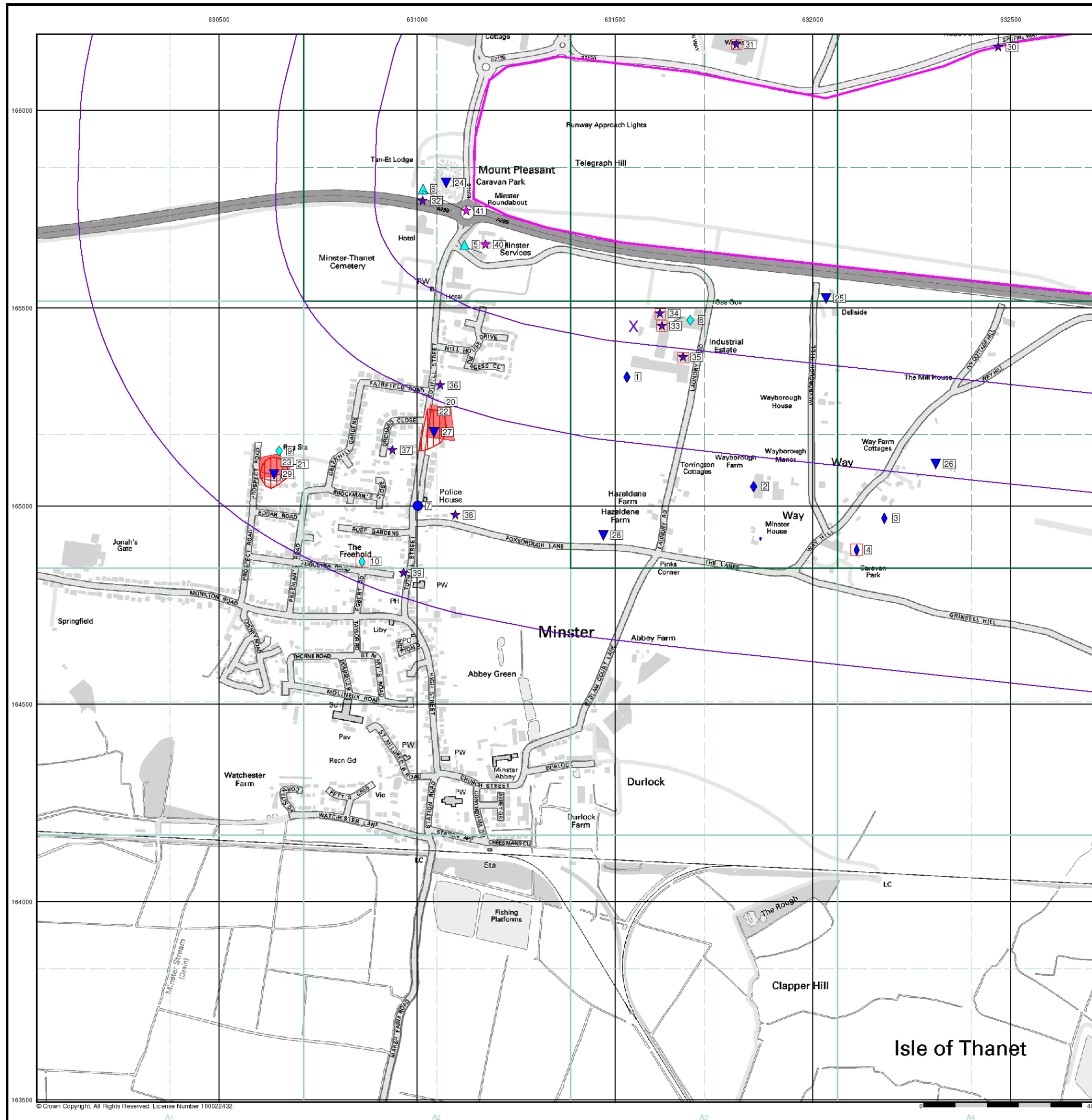


Order Details




Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details






Kent International Airport Ltd, Kent International Airport,
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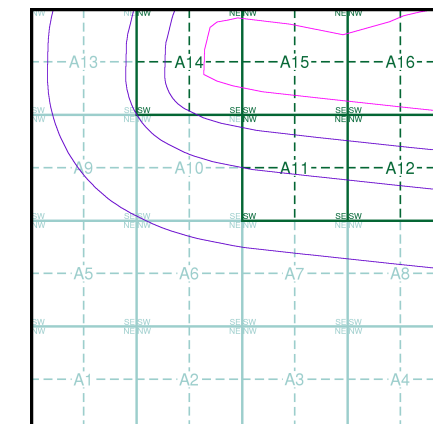
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

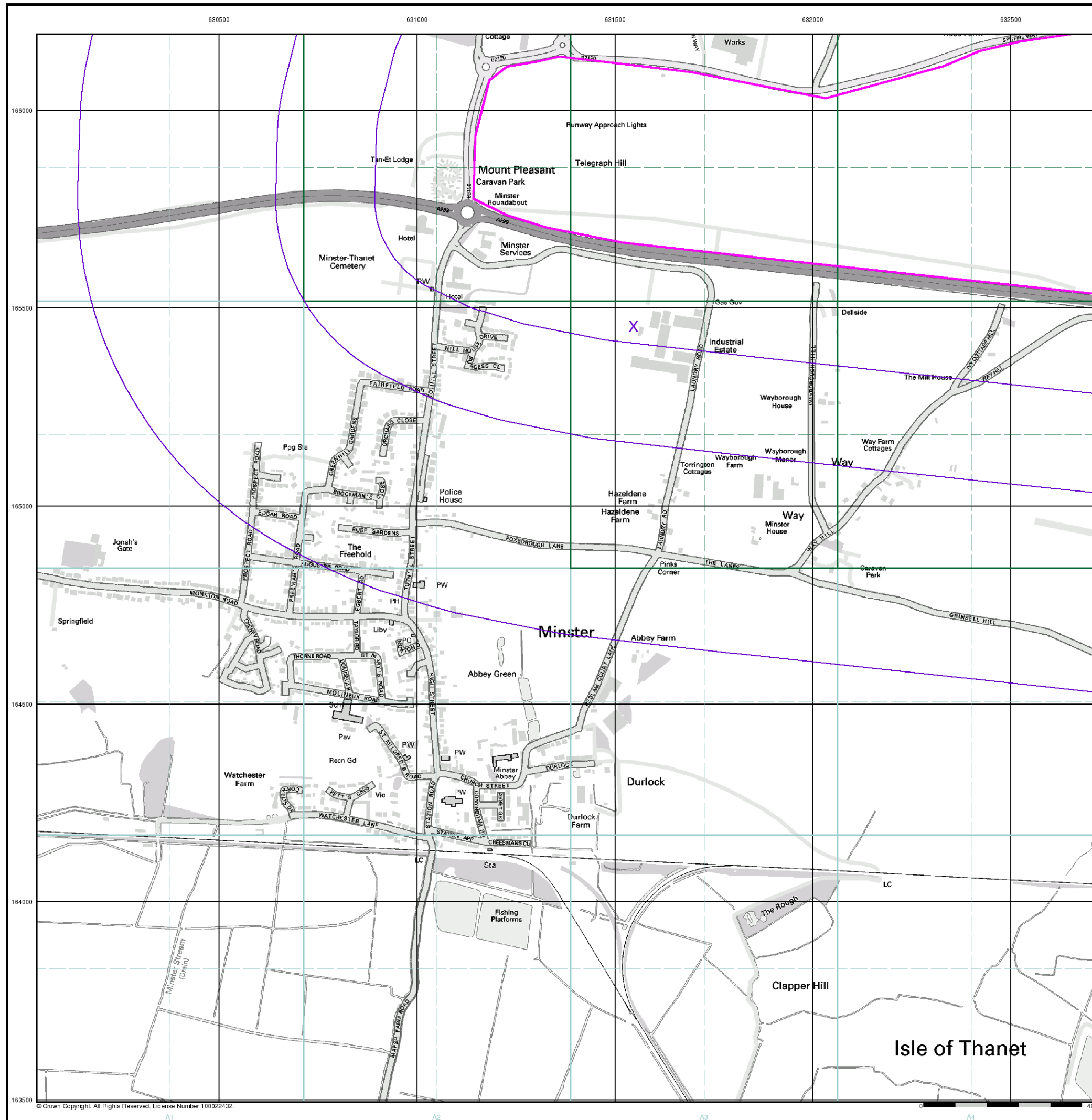


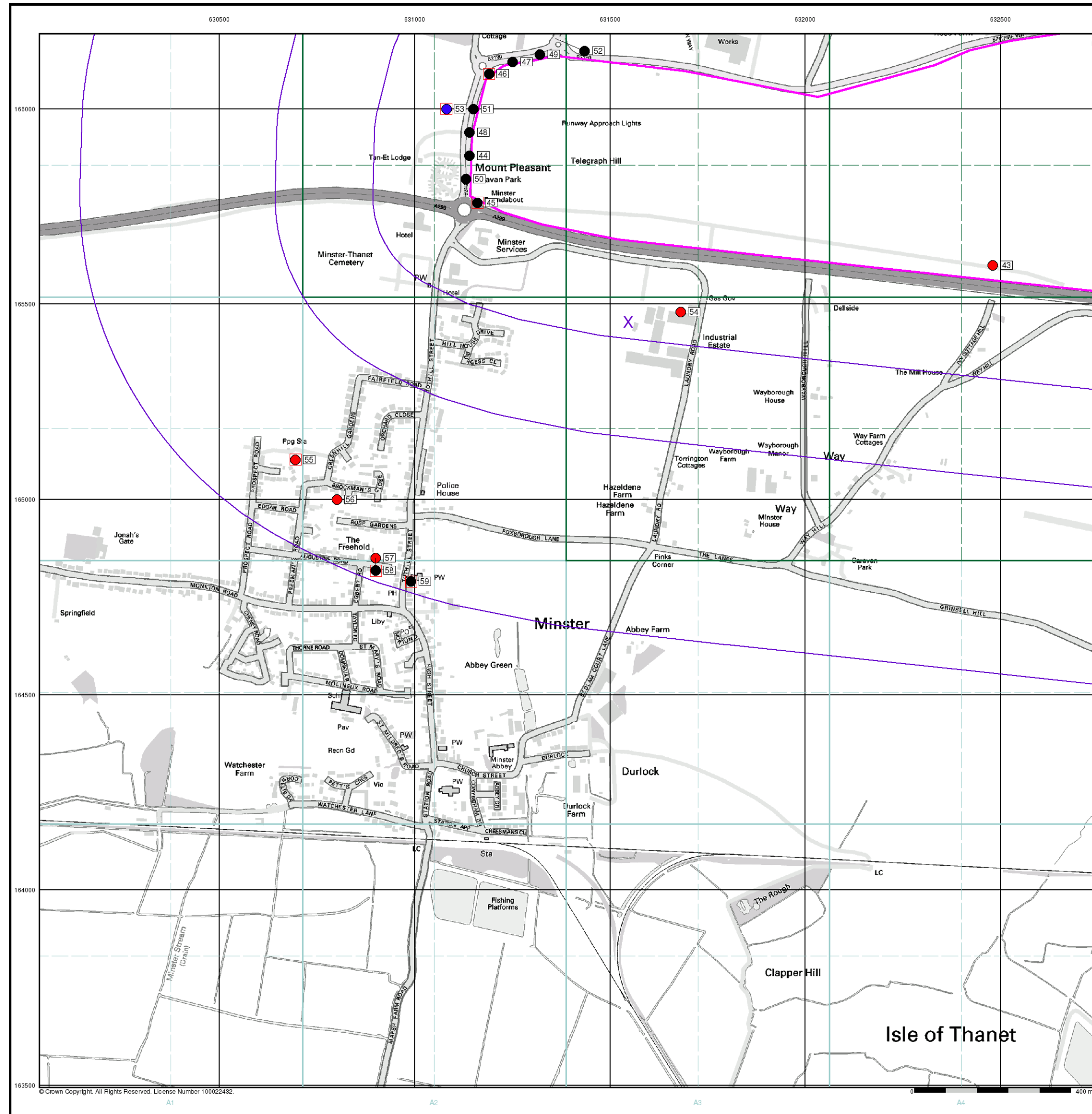
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Site Details

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 Manston, RAMSGATE, Kent, CT12 5BL





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General

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

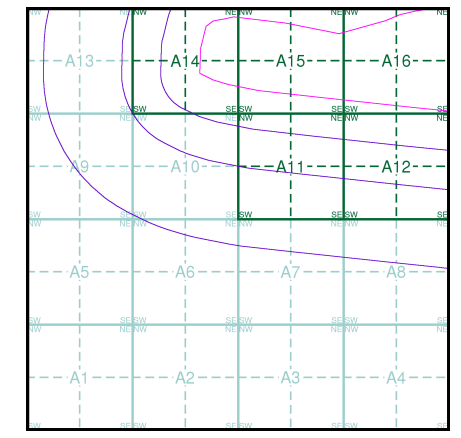
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL









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

General

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

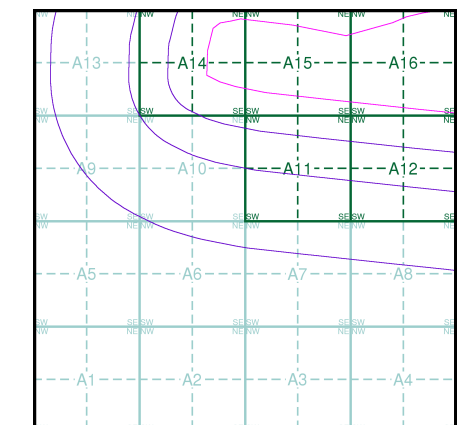
Detailed River Network Data

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

Contours (height in metres)

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

EANRW Detailed River Network Map - Slice A

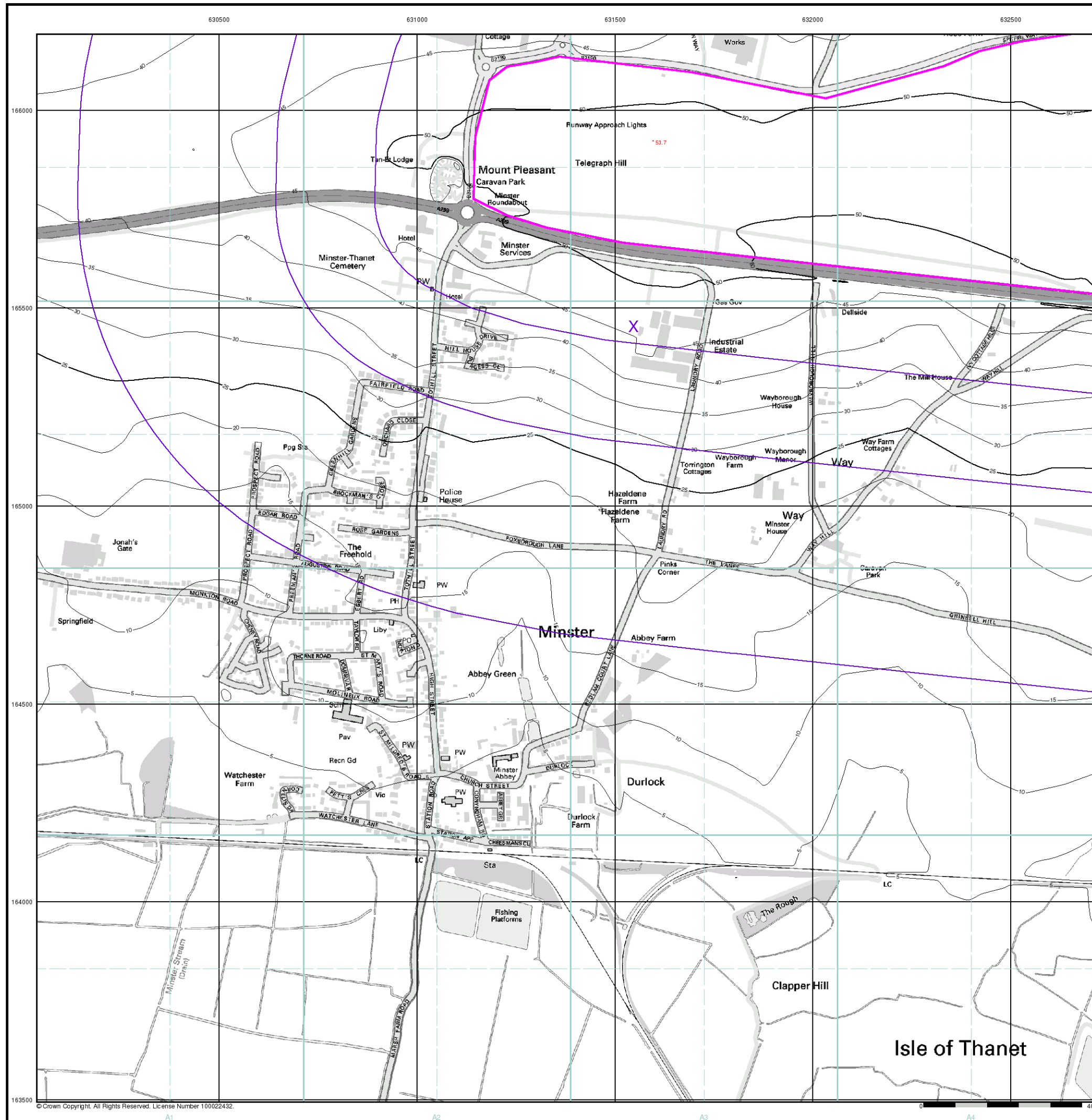


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

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General

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

Risk of Flooding from Surface Water

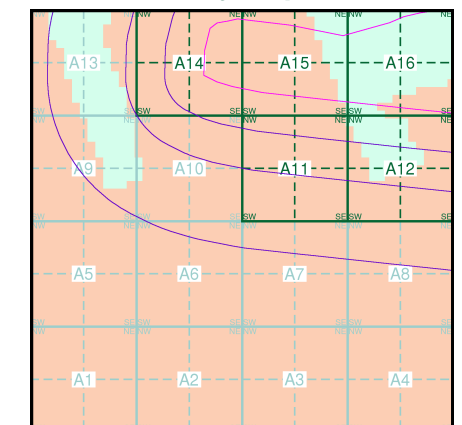
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EANRW Suitability Map - Slice A

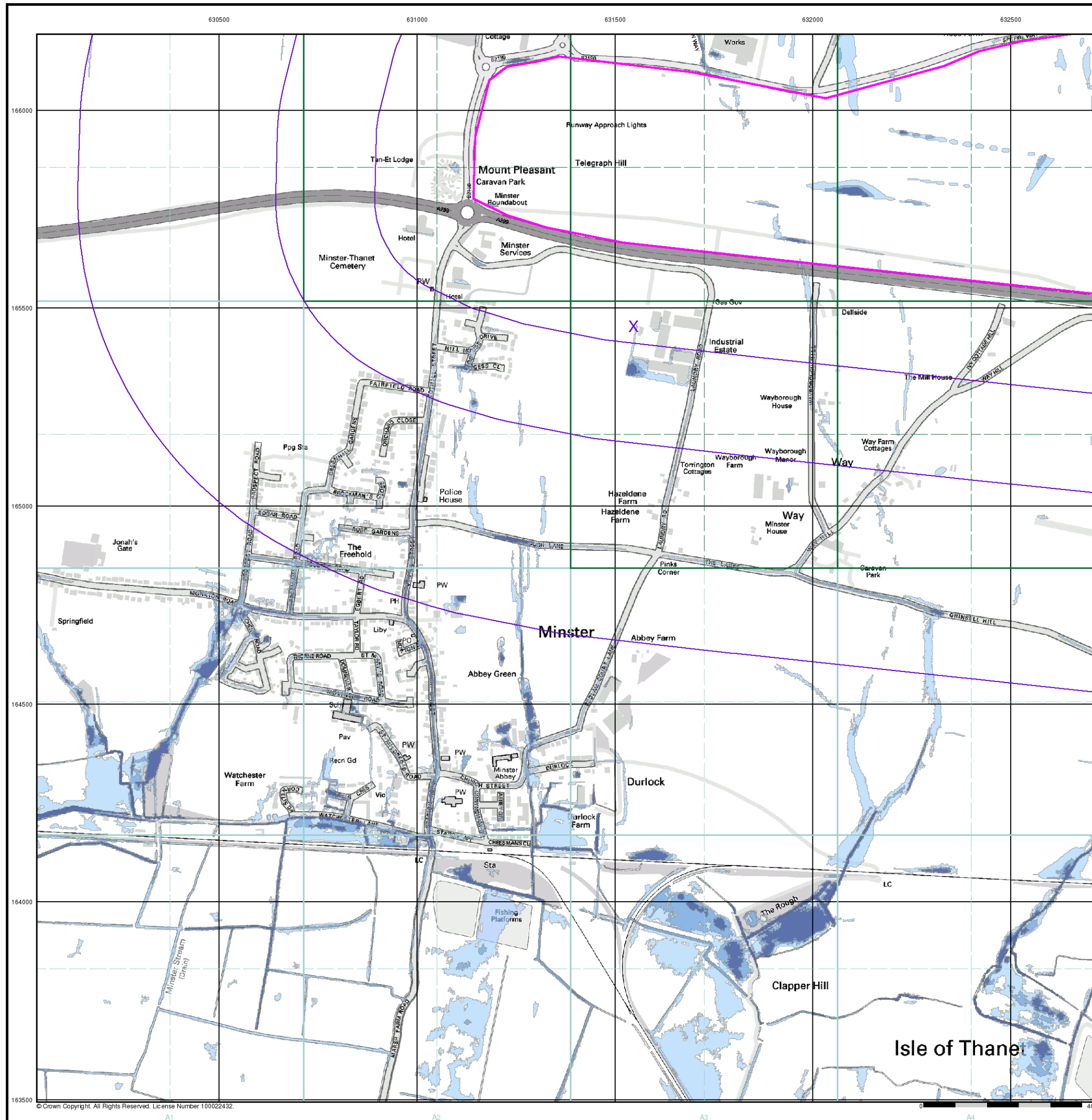


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

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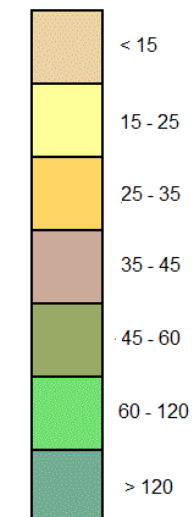


General

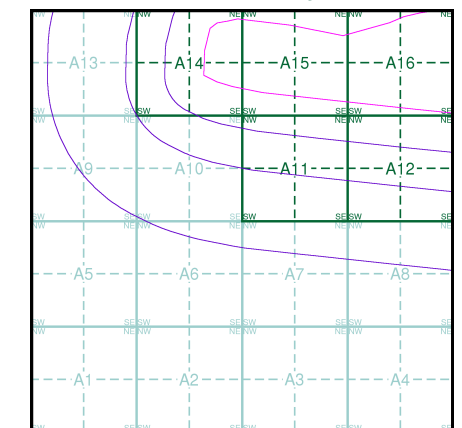
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

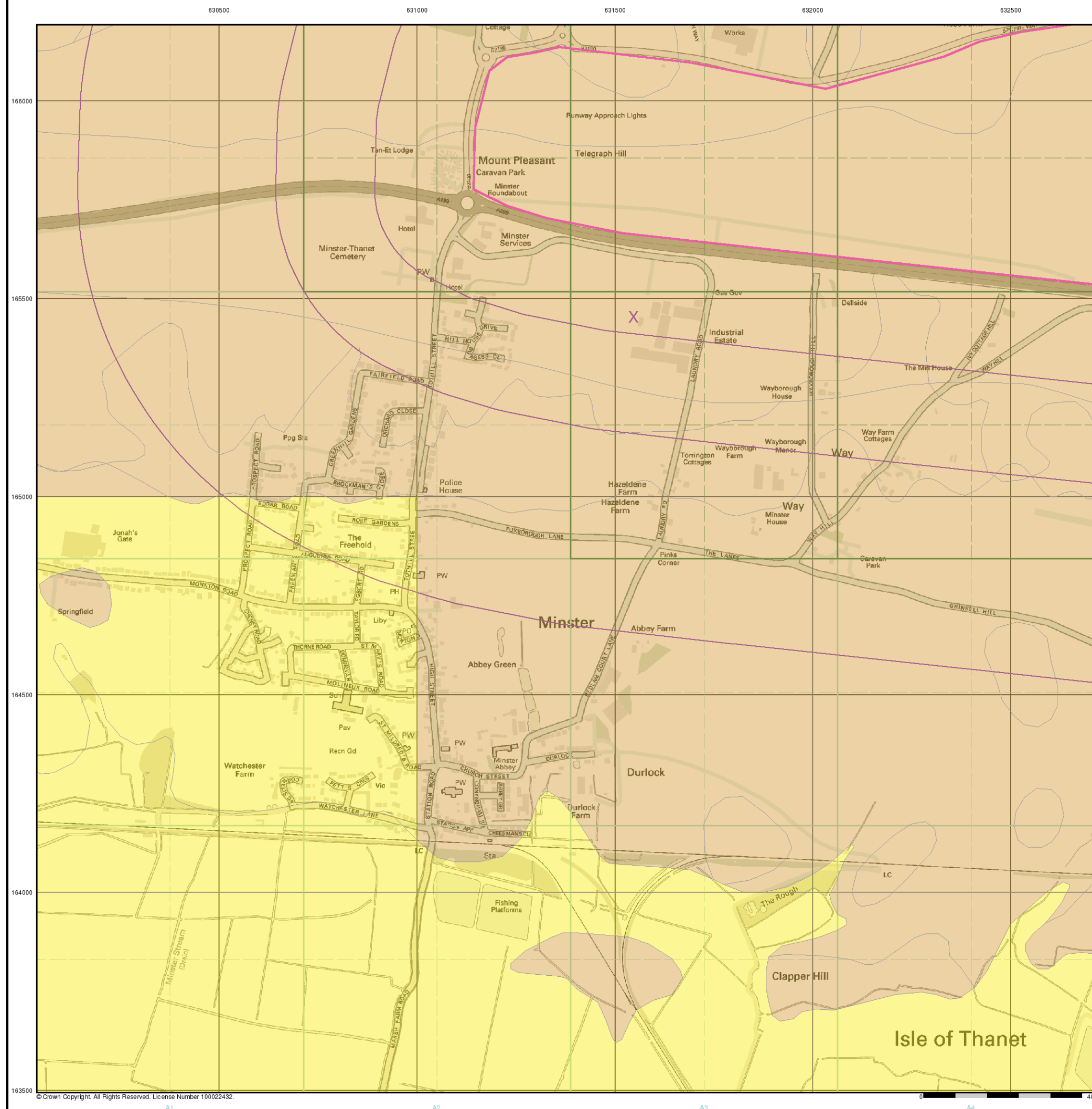


Order Details




Order Details: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
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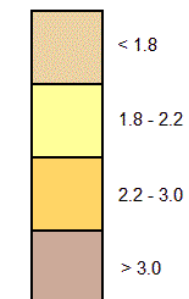


General

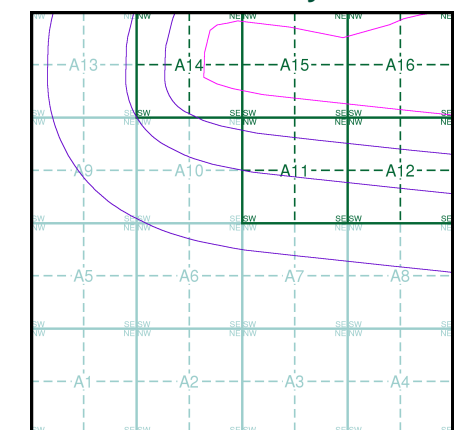
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

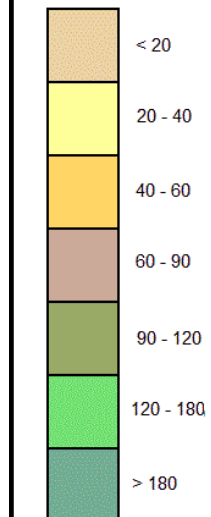
Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL

General

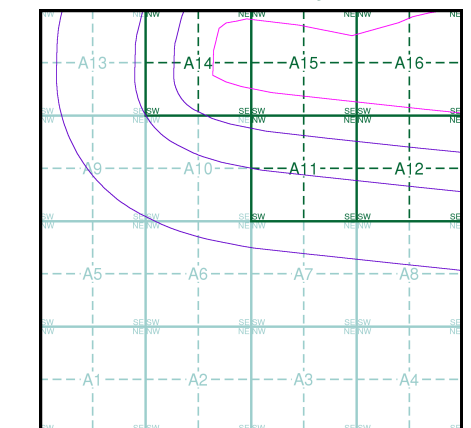
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

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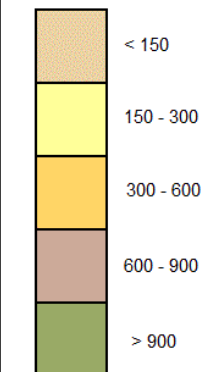
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

General

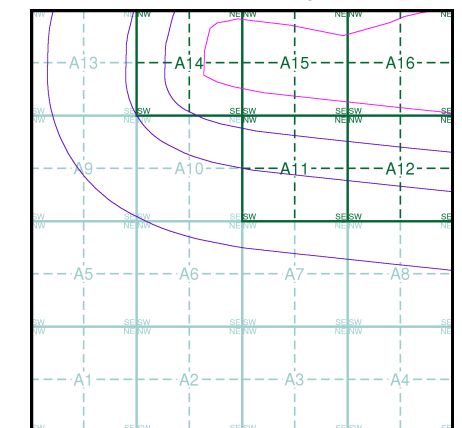
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

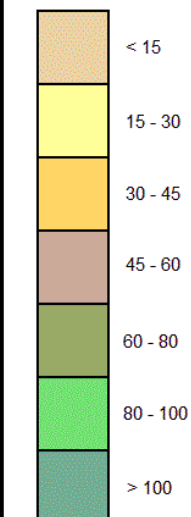
Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL

General

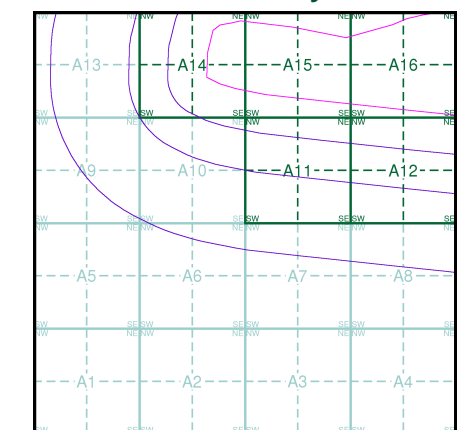
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

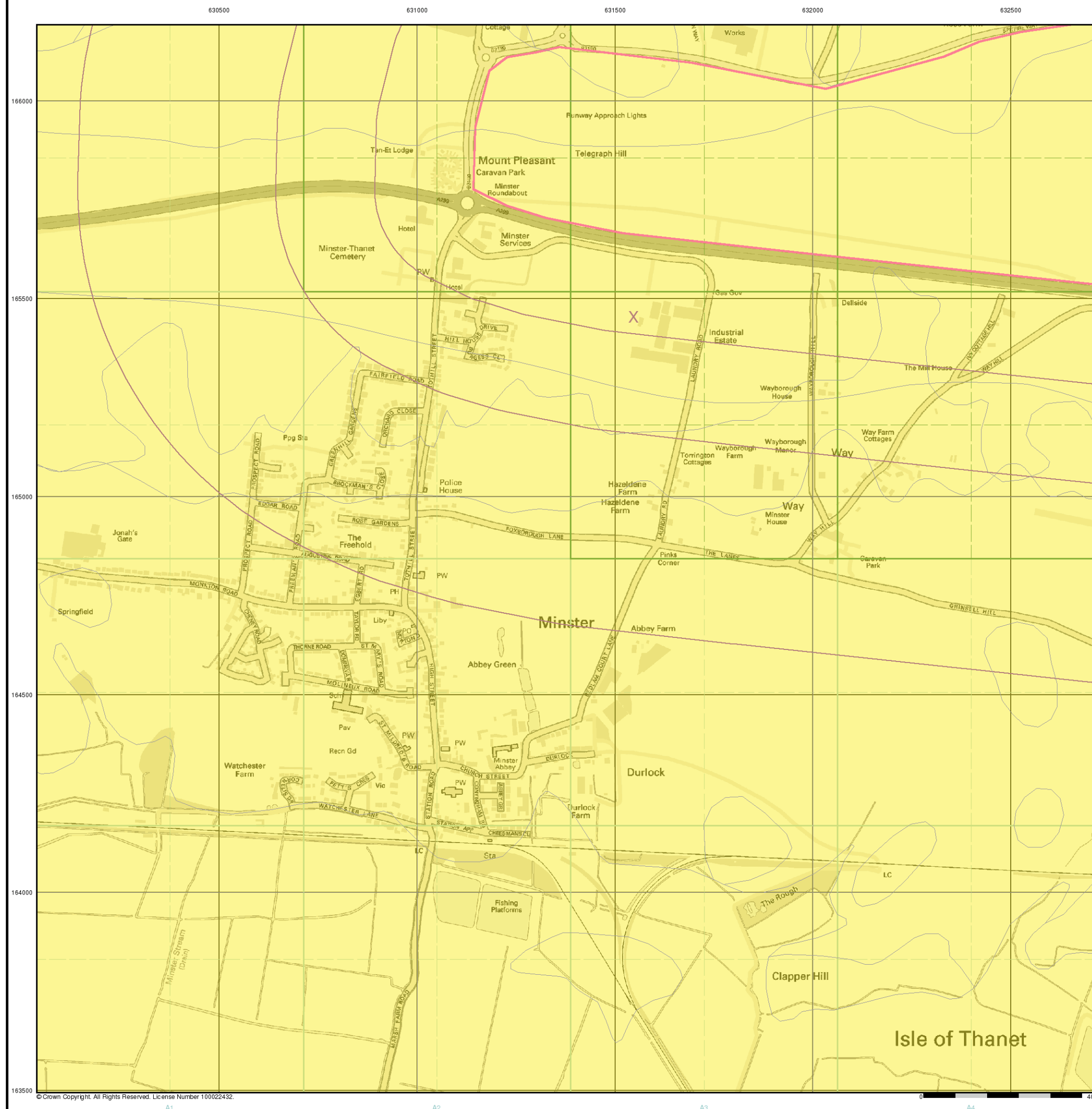


Order Details

Order Details: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

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Historical Mapping Legends

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



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



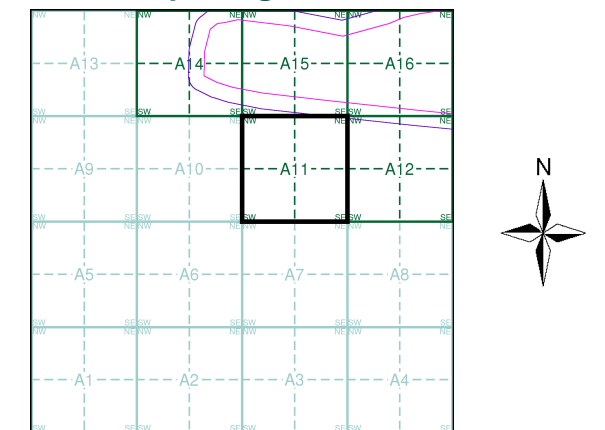
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Ordnance Survey Plan	1:2,500	1968 - 1969	7
Supply of Unpublished Survey Information	1:2,500	1973	8
Additional SIMs	1:2,500	1977 - 1989	9
Additional SIMs	1:2,500	1979	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1995	12
Large-Scale National Grid Data	1:2,500	1996	13

Historical Map - Segment A11

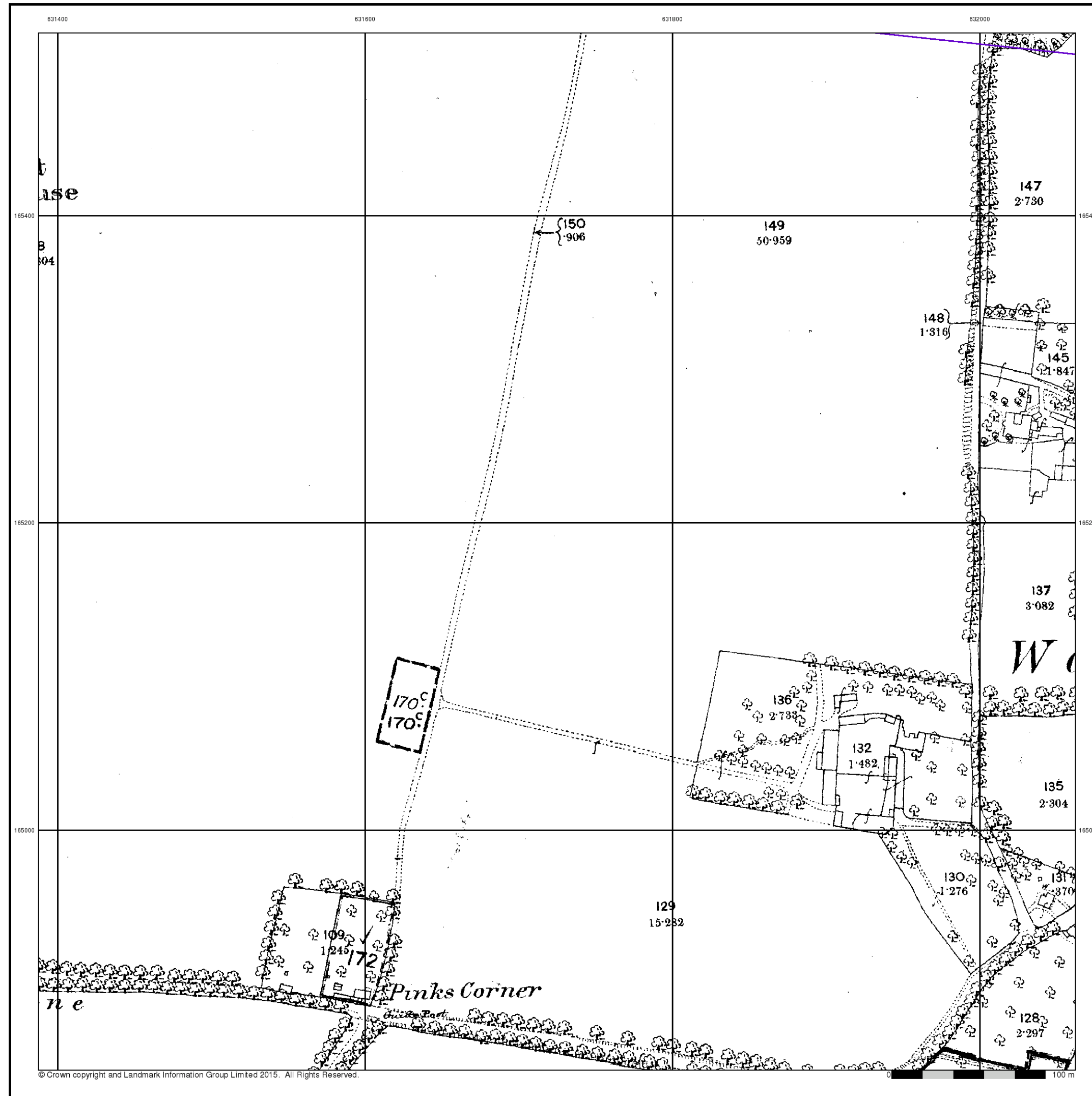


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

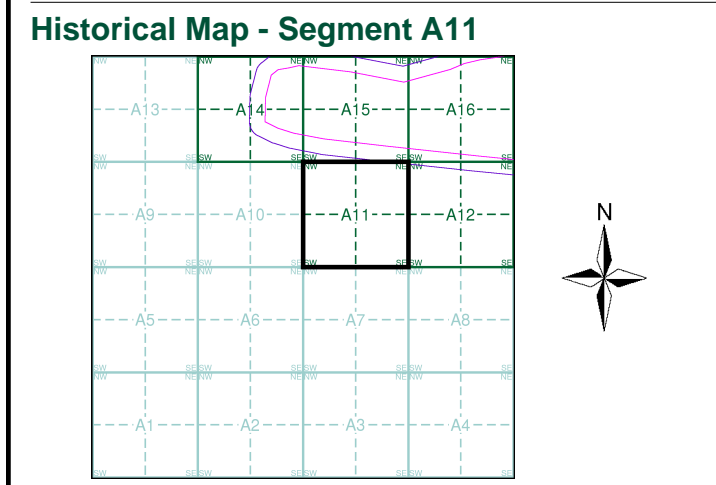
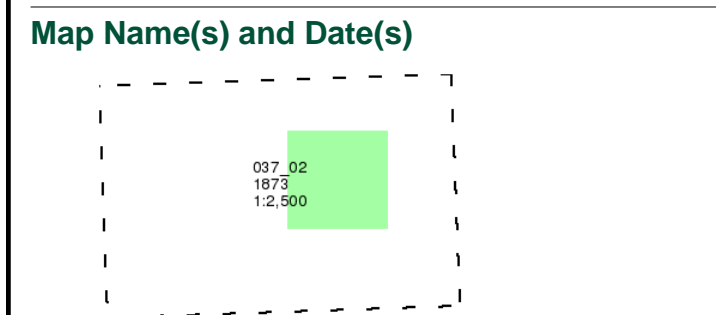
Site Details

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Kent
Published 1873
Source map scale - 1:2,500

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



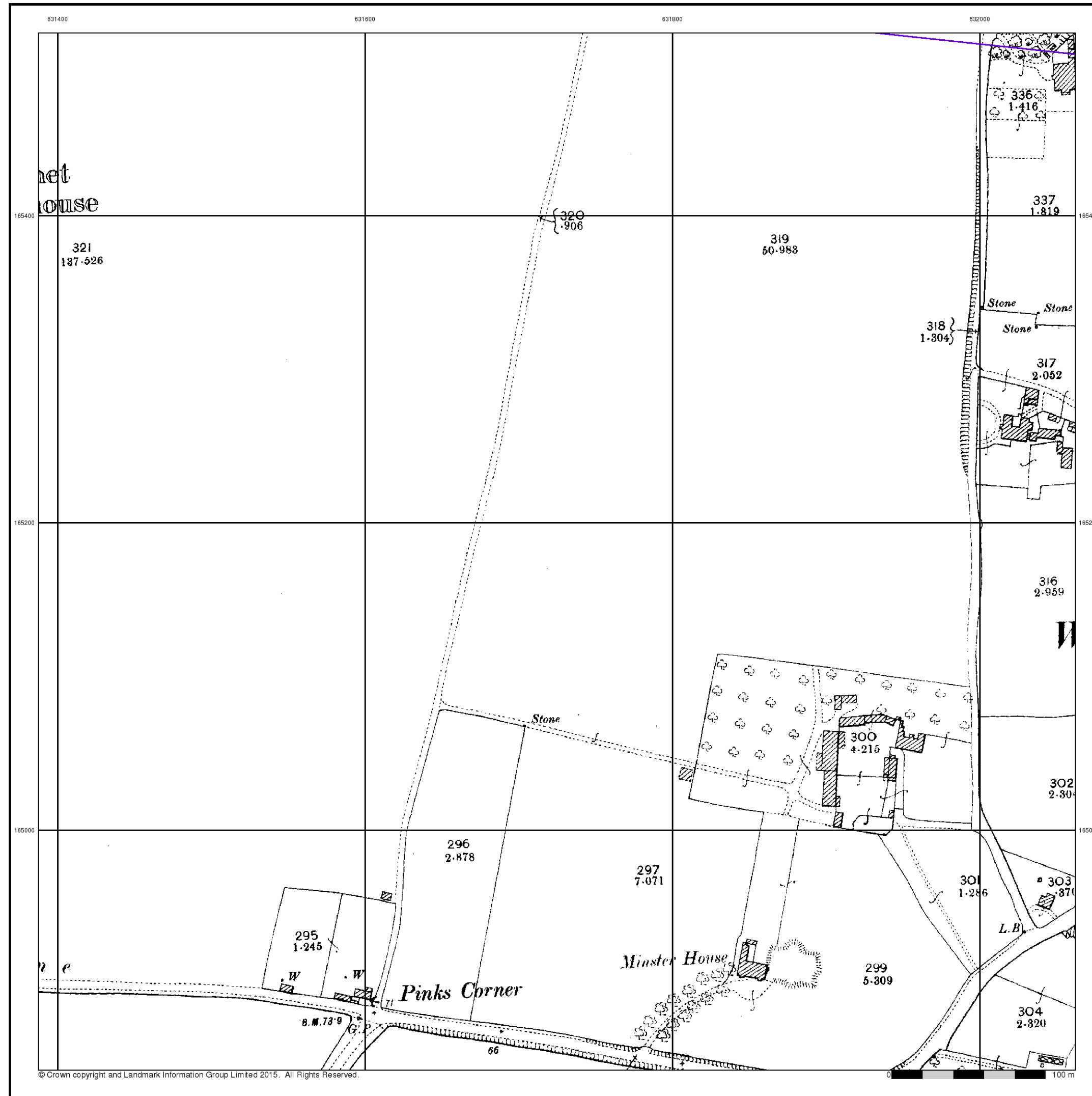
Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

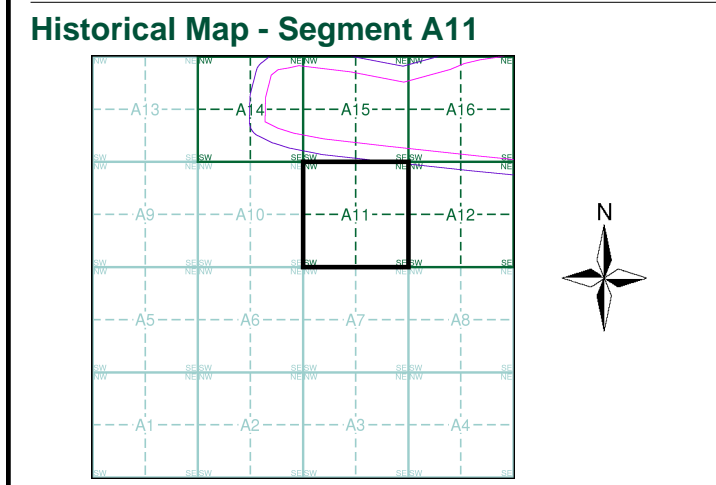
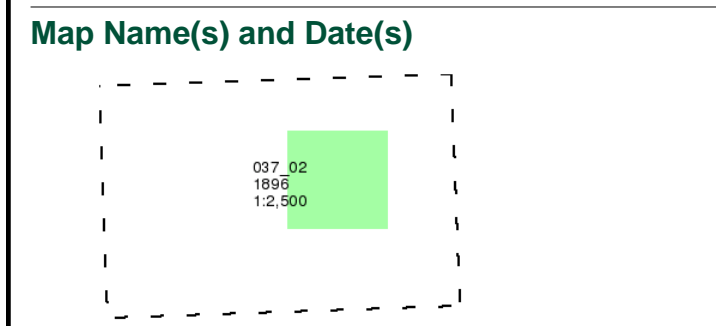
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Kent
Published 1896
Source map scale - 1:2,500

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



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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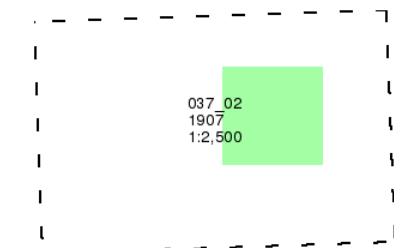
Kent

Published 1907

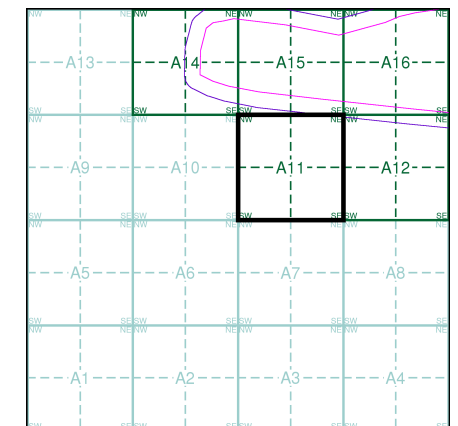
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11

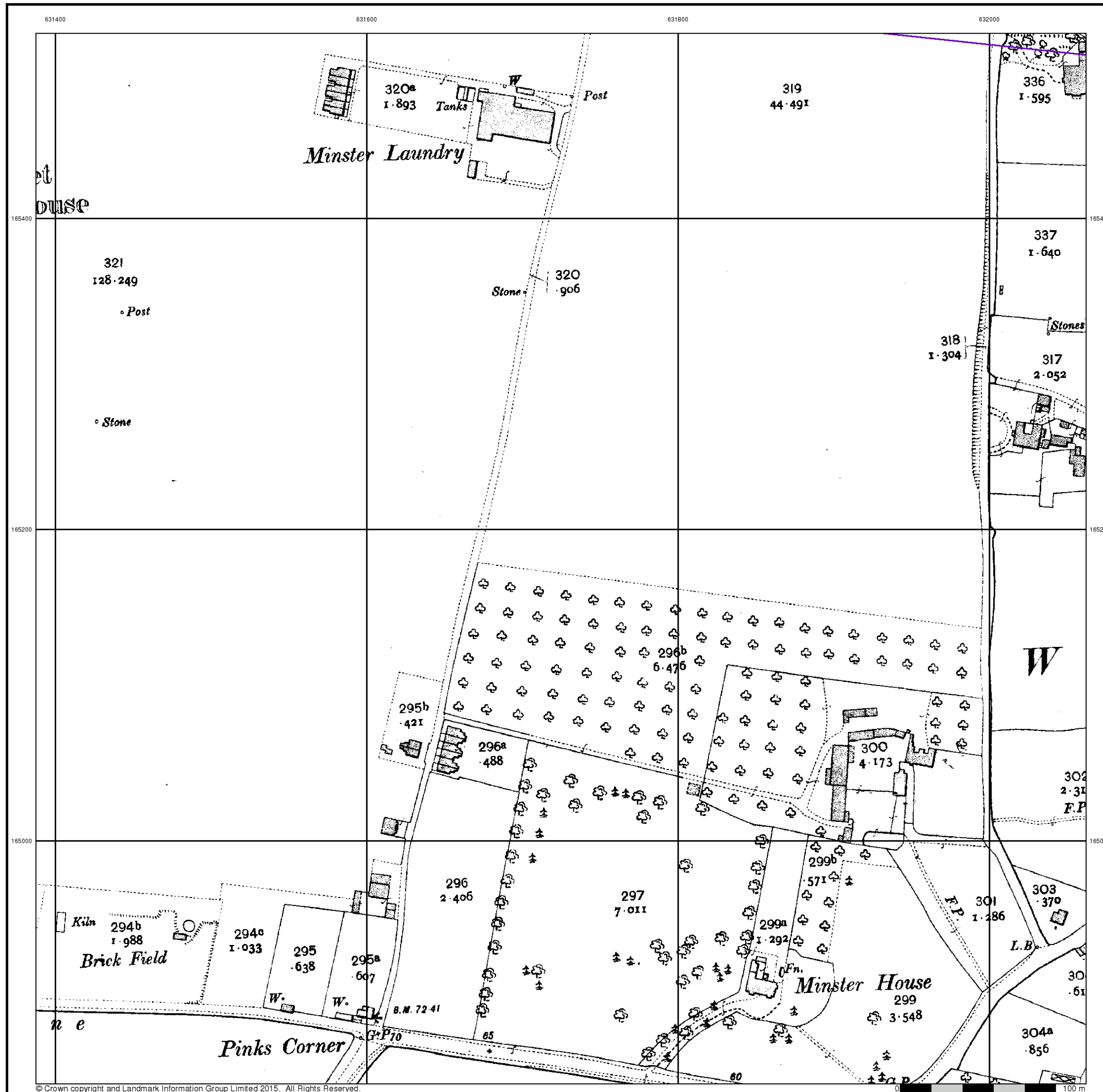


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
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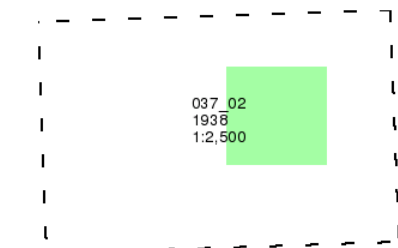
Kent

Published 1938

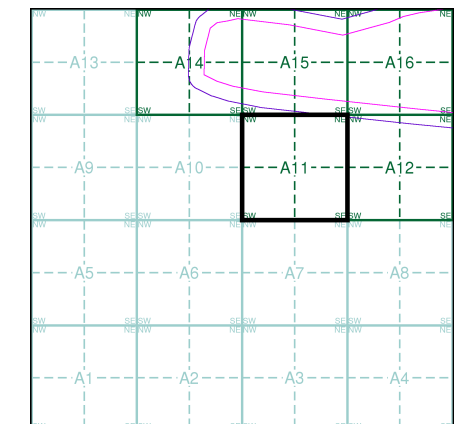
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11

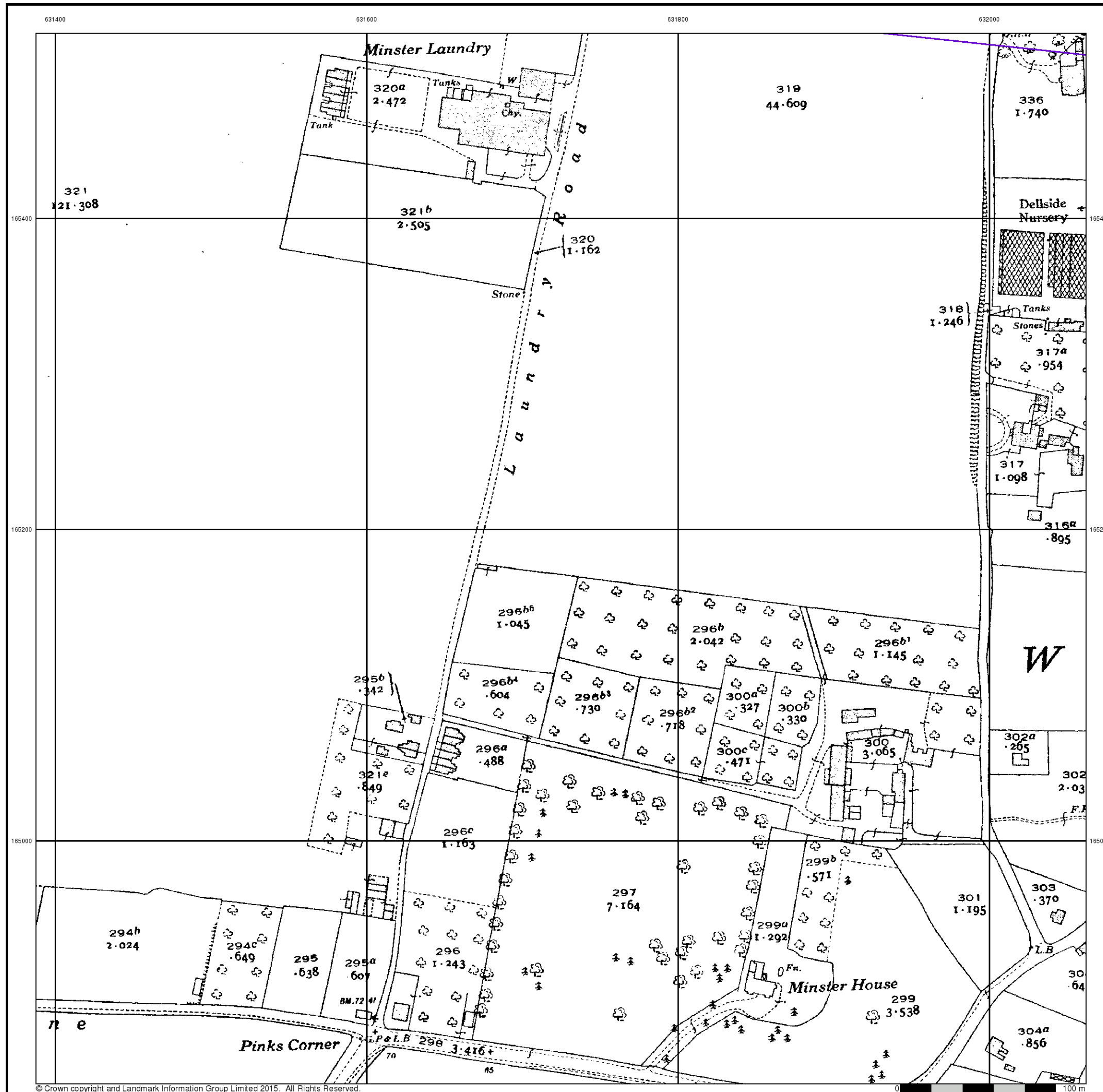


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1963 - 1964

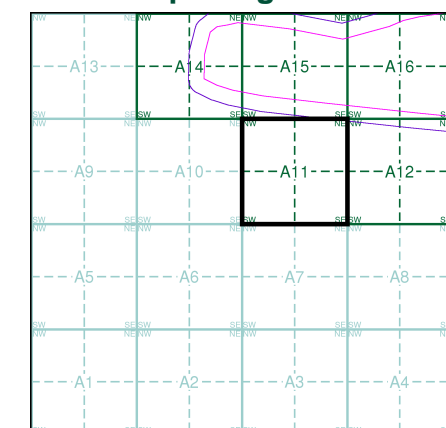
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3165 1963 1:2,500	TR3265 1963 1:2,500
TR3164 1964 1:2,500	TR3264 1964 1:2,500

Historical Map - Segment A11

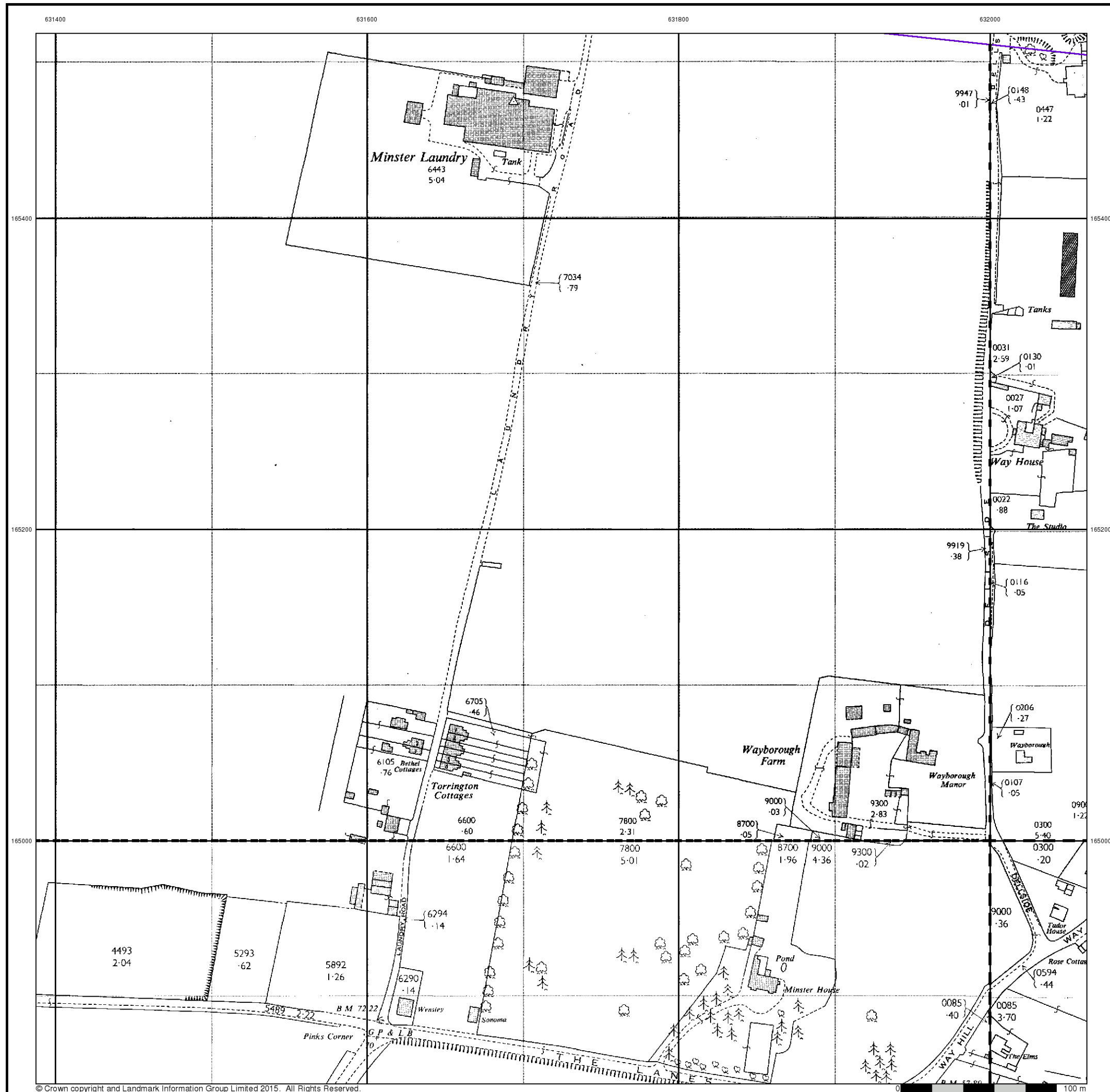


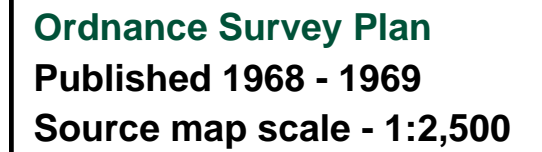
Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

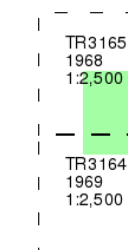
Site Details

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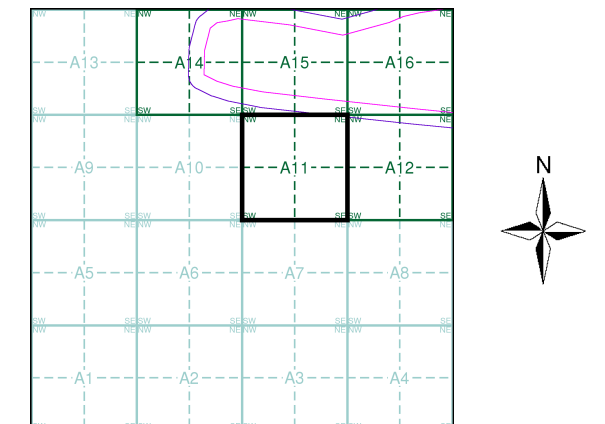




Map Name(s) and Date(s)



Historical Map - Segment A11



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
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Site Details

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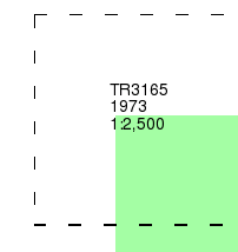
Supply of Unpublished Survey Information

Published 1973

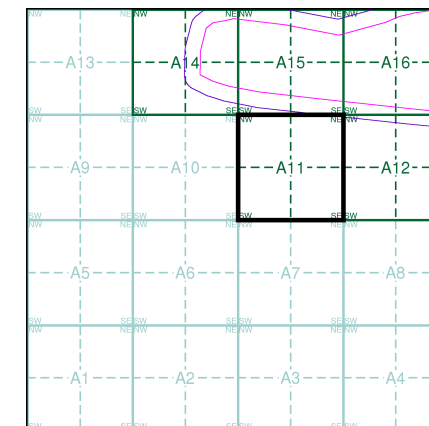
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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

Additional SIMs

Published 1977 - 1989

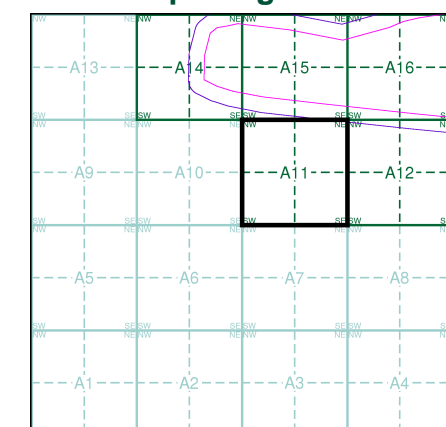
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3165	1989	1:2,500
TR3164	1977	1:2,500

Historical Map - Segment A11



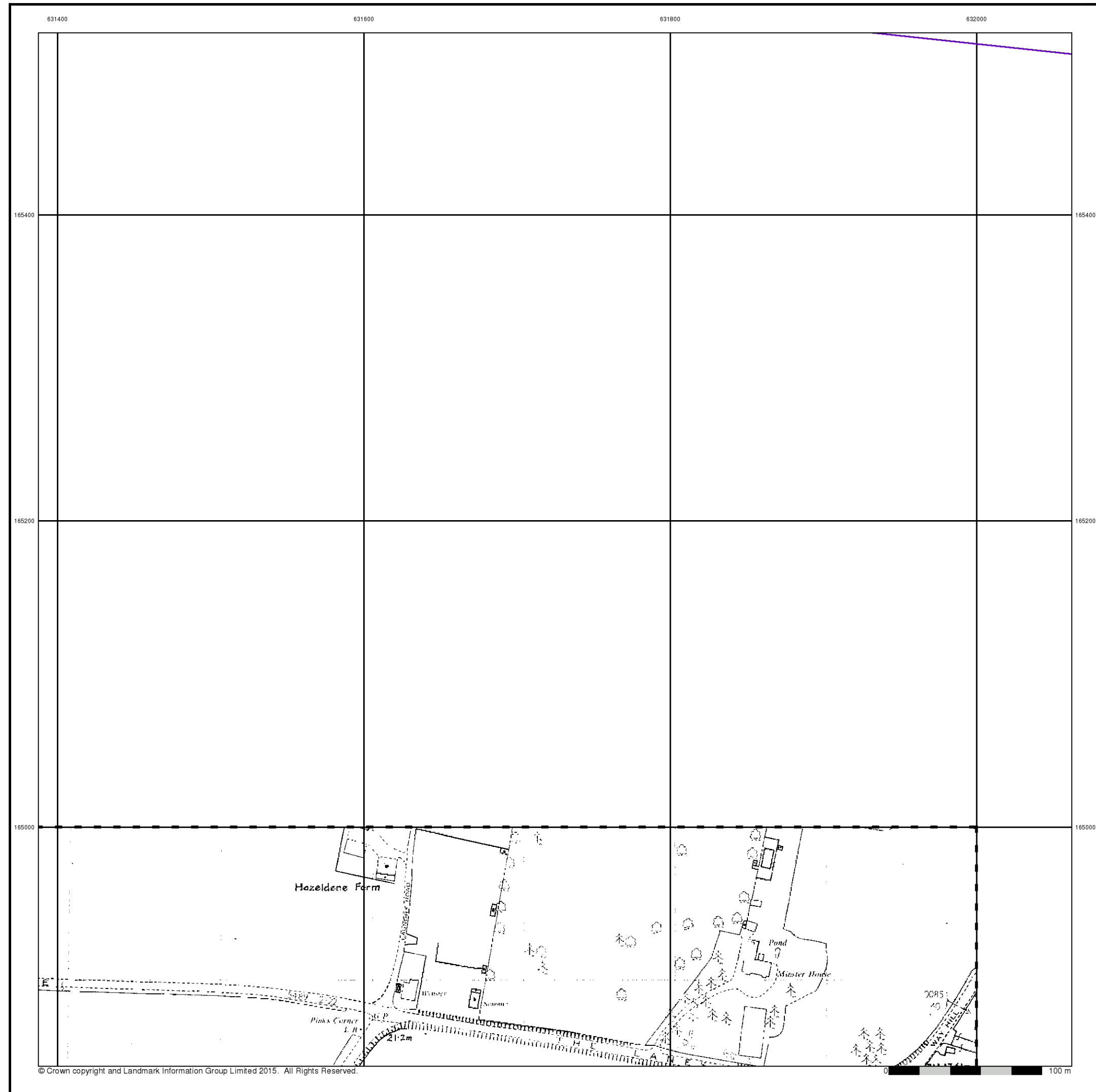
Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
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Site Details

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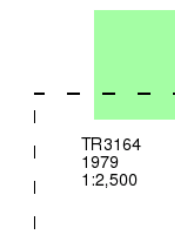
Additional SIMs

Published 1979

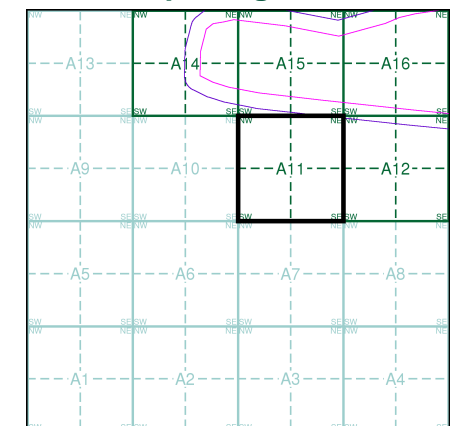
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



Order Details

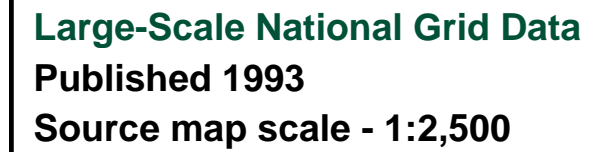
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
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Map Name(s) and Date(s)

TR3165 1993 12,500	TR3265 1993 12,500
TR3164 1993 12,500	TR3264 1993 12,500



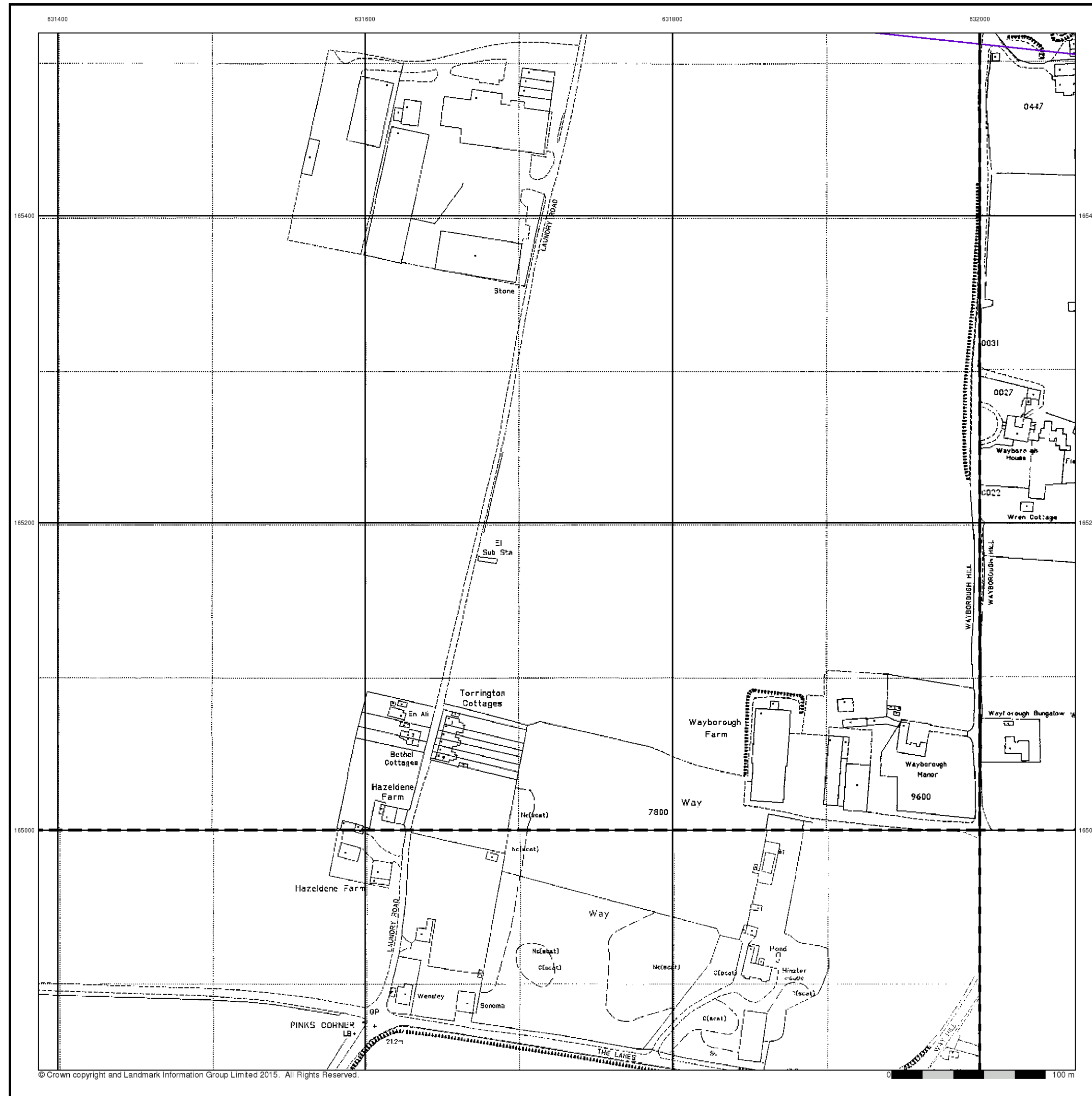
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk





Large-Scale National Grid Data

Published 1995

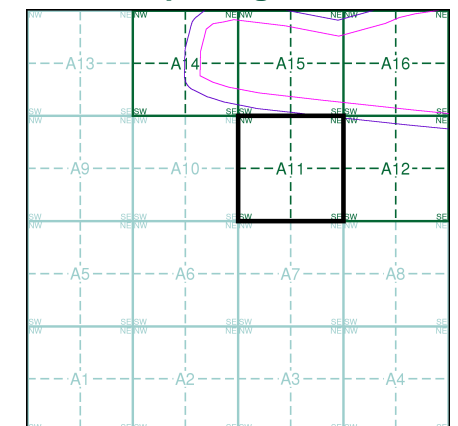
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3165 1995 1:2,500	TR3265 1995 1:2,500
TR3164 1995 1:2,500	

Historical Map - Segment A11



Order Details

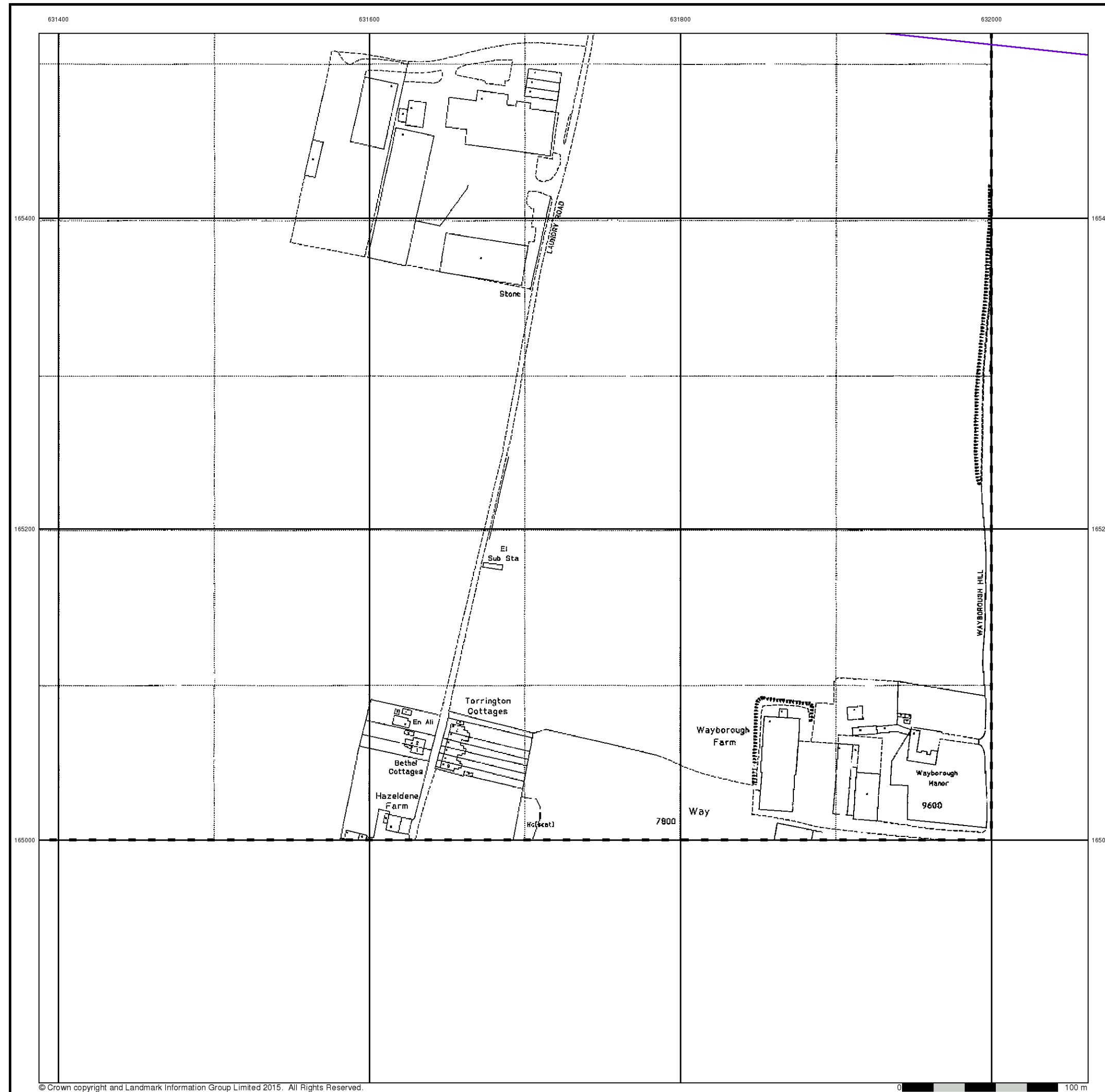
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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



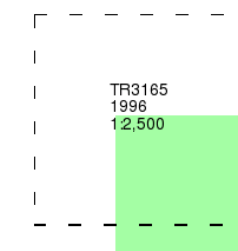
Large-Scale National Grid Data

Published 1996

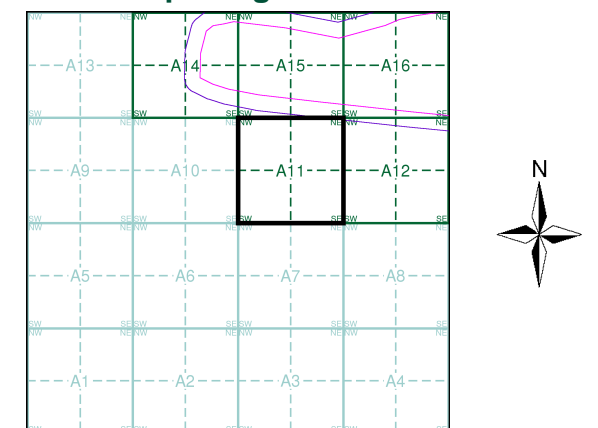
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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

Historical Mapping Legends

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



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



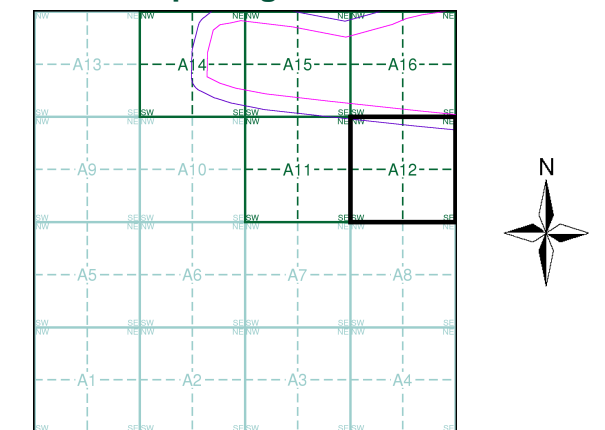
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Large-Scale National Grid Data	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1995	8

Historical Map - Segment A12



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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

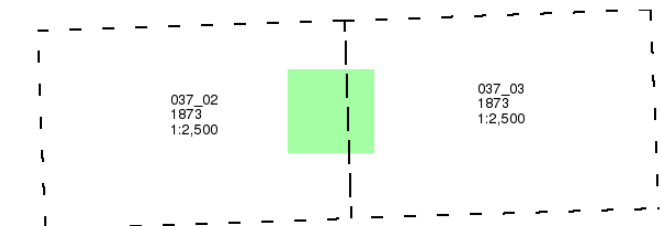
Kent

Published 1873

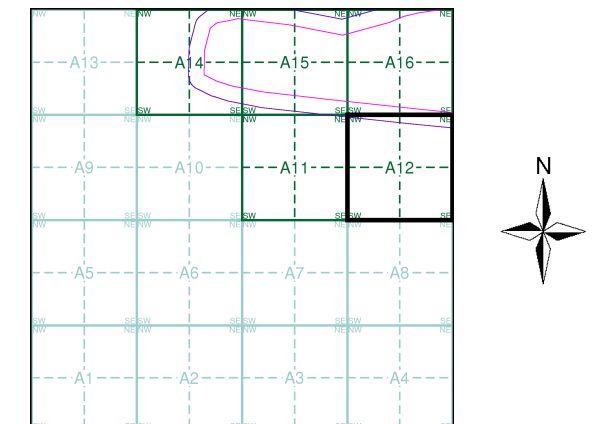
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A12

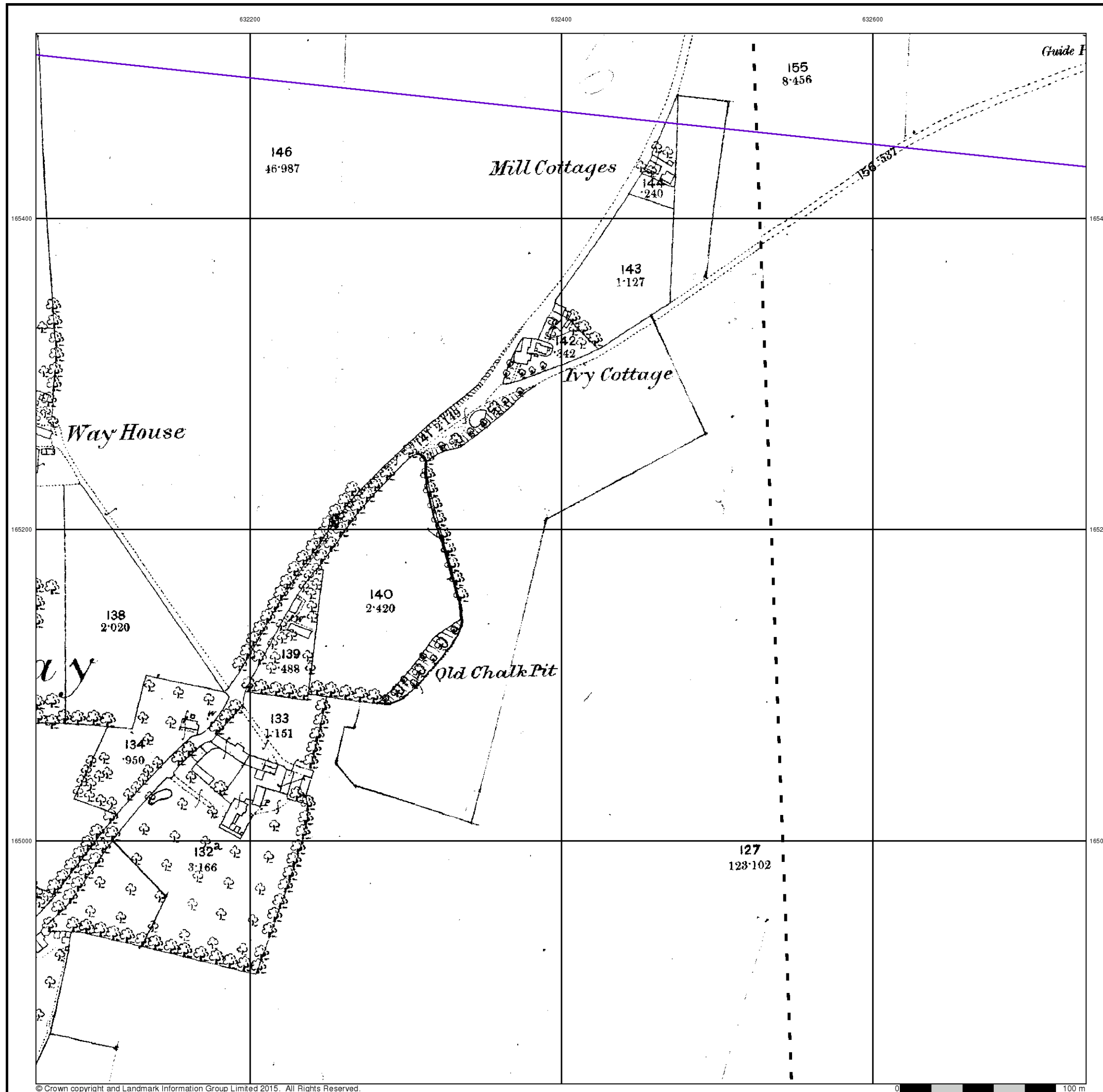


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



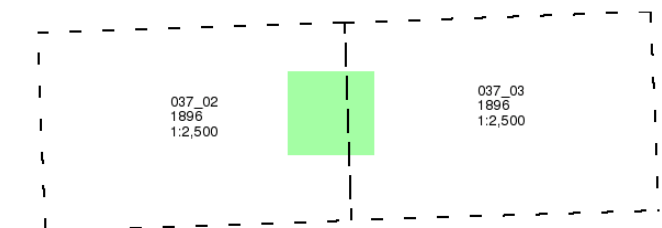
Kent

Published 1896

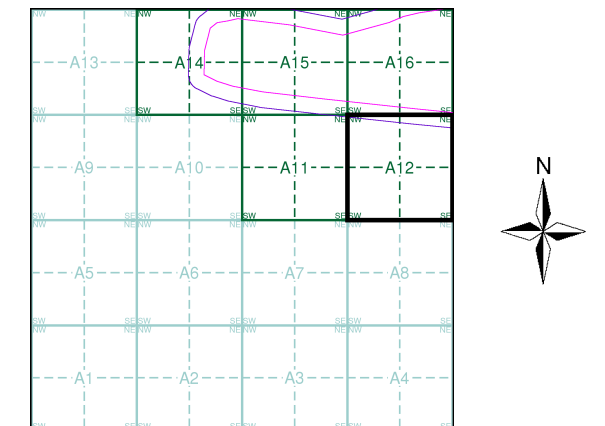
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A12

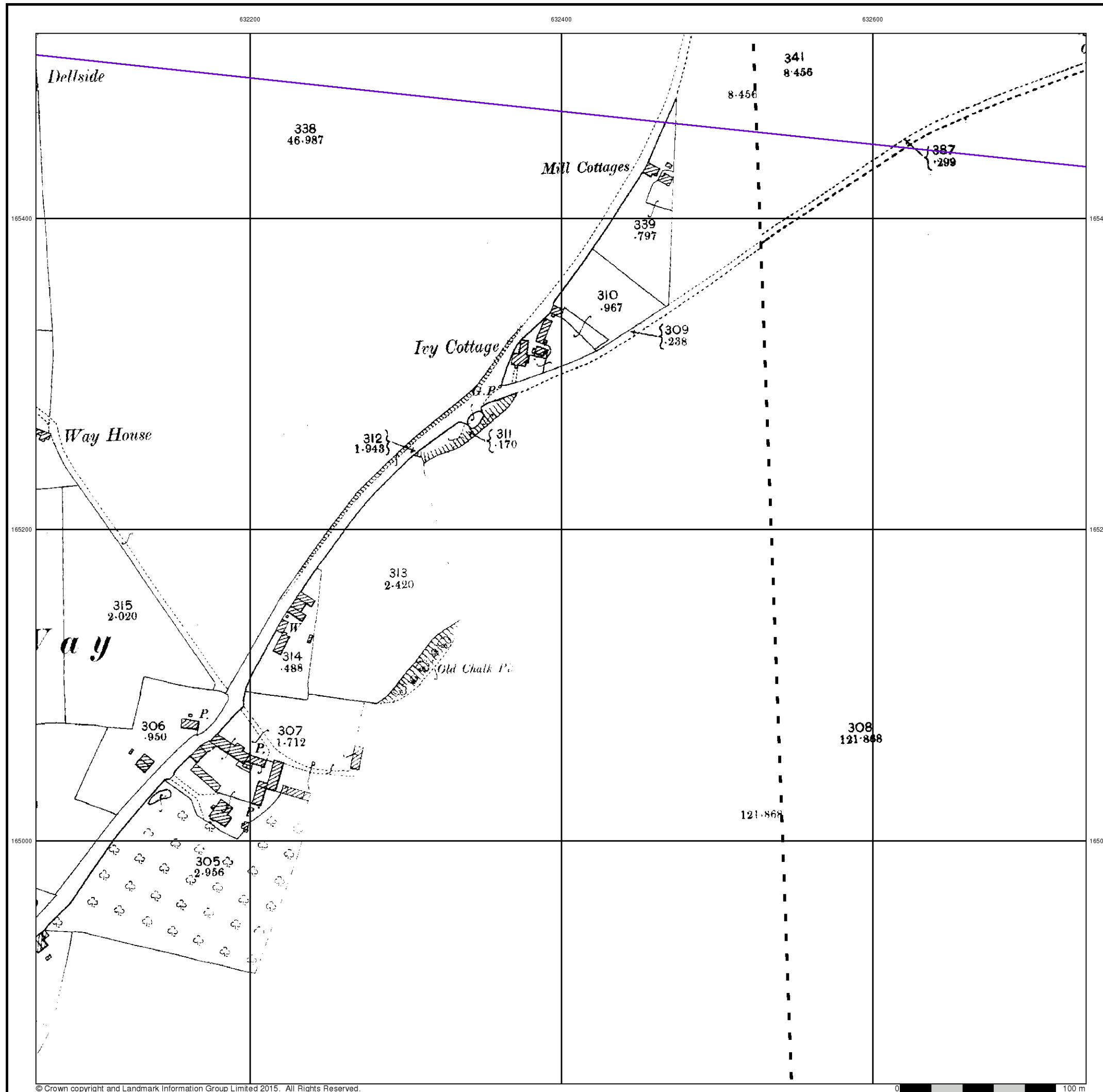


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



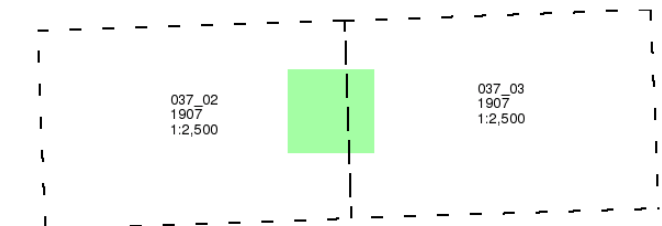
Kent

Published 1907

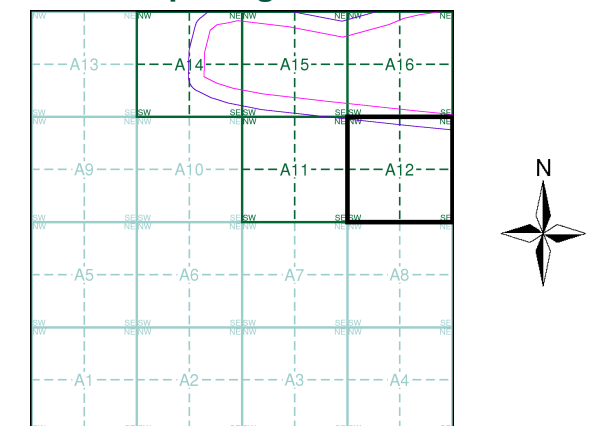
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A12

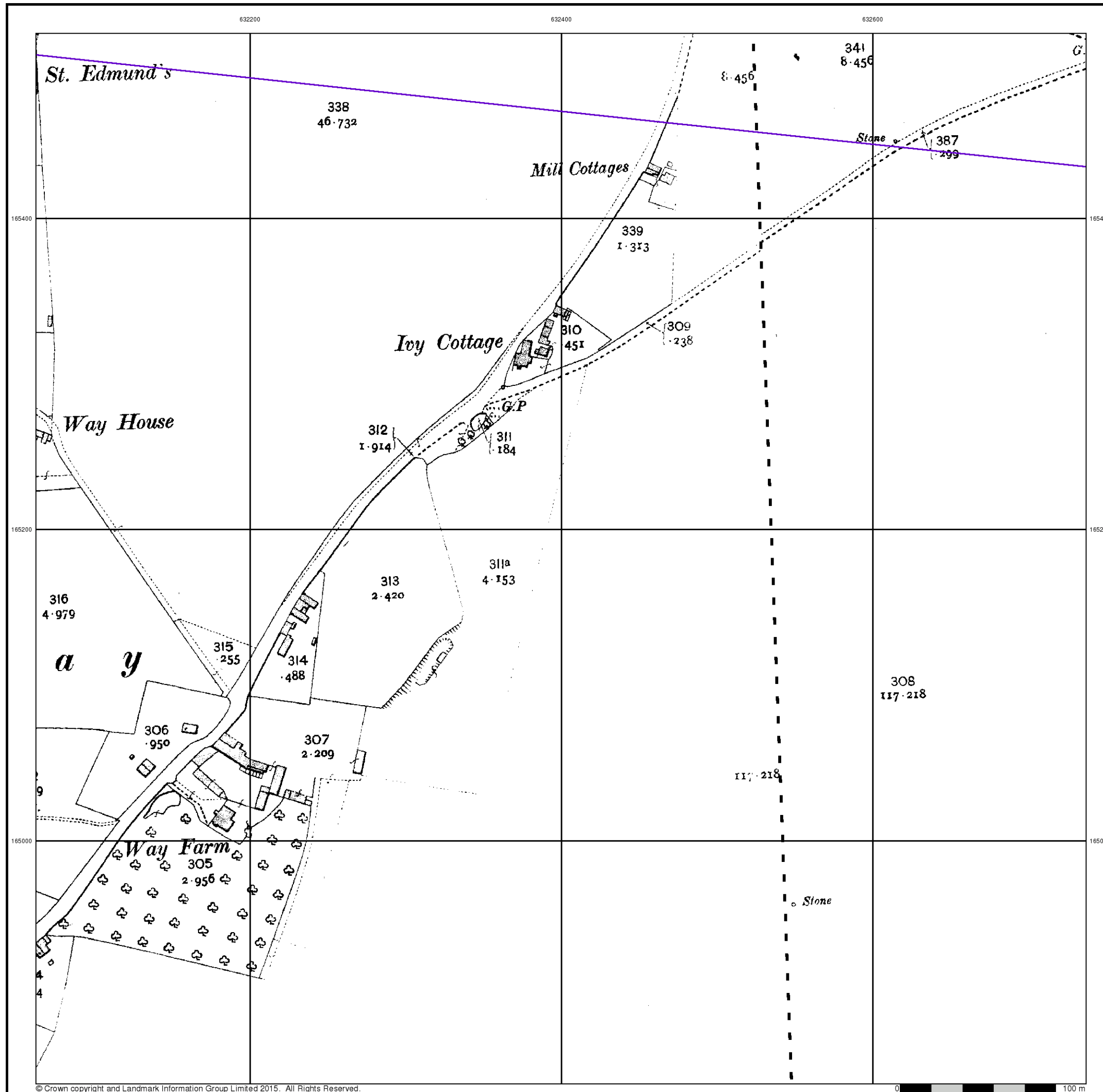


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



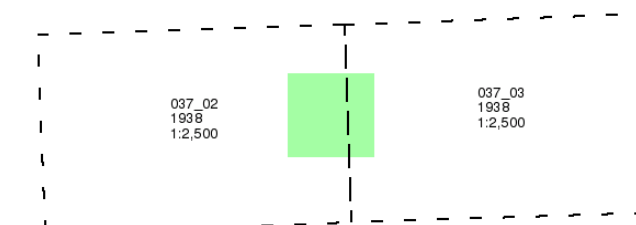
Kent

Published 1938

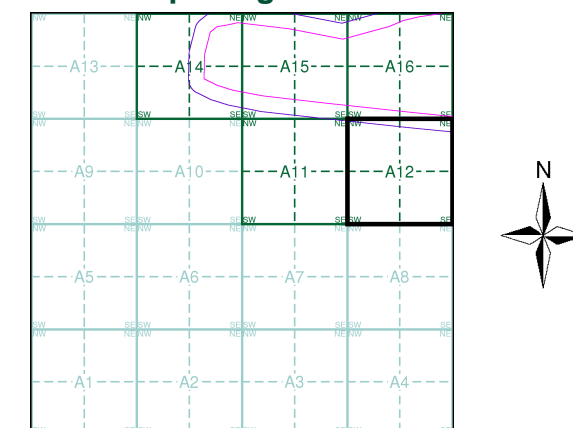
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A12

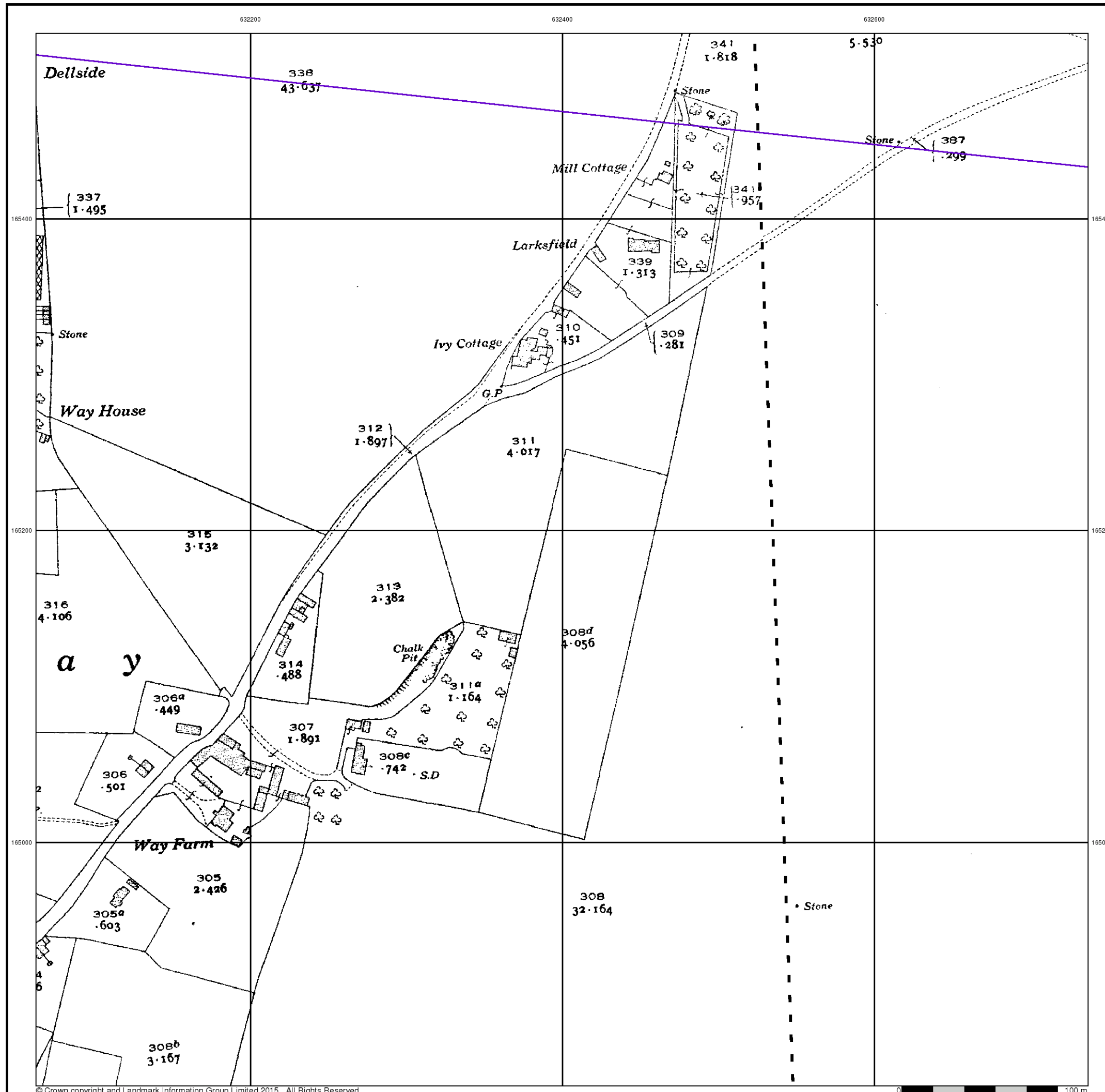


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



Ordnance Survey Plan

Published 1963 - 1964

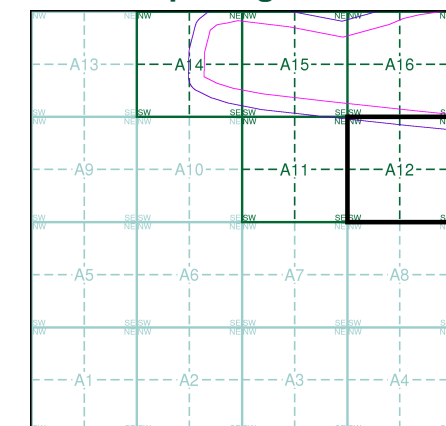
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3265
1963
1:2,500
TR3264
1964
1:2,500

Historical Map - Segment A12

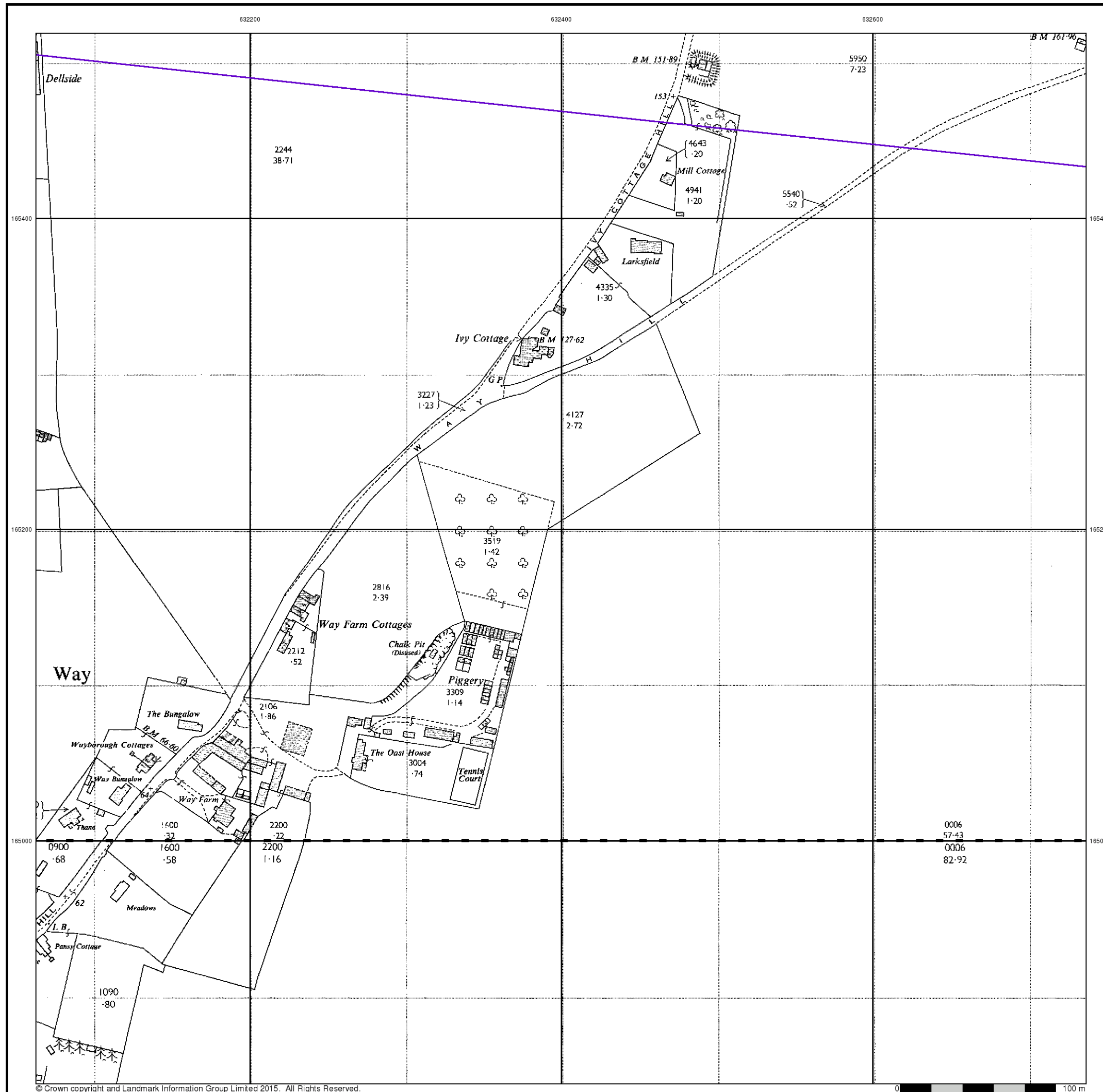


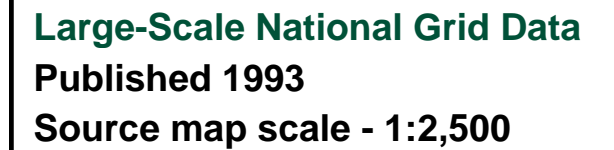
Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



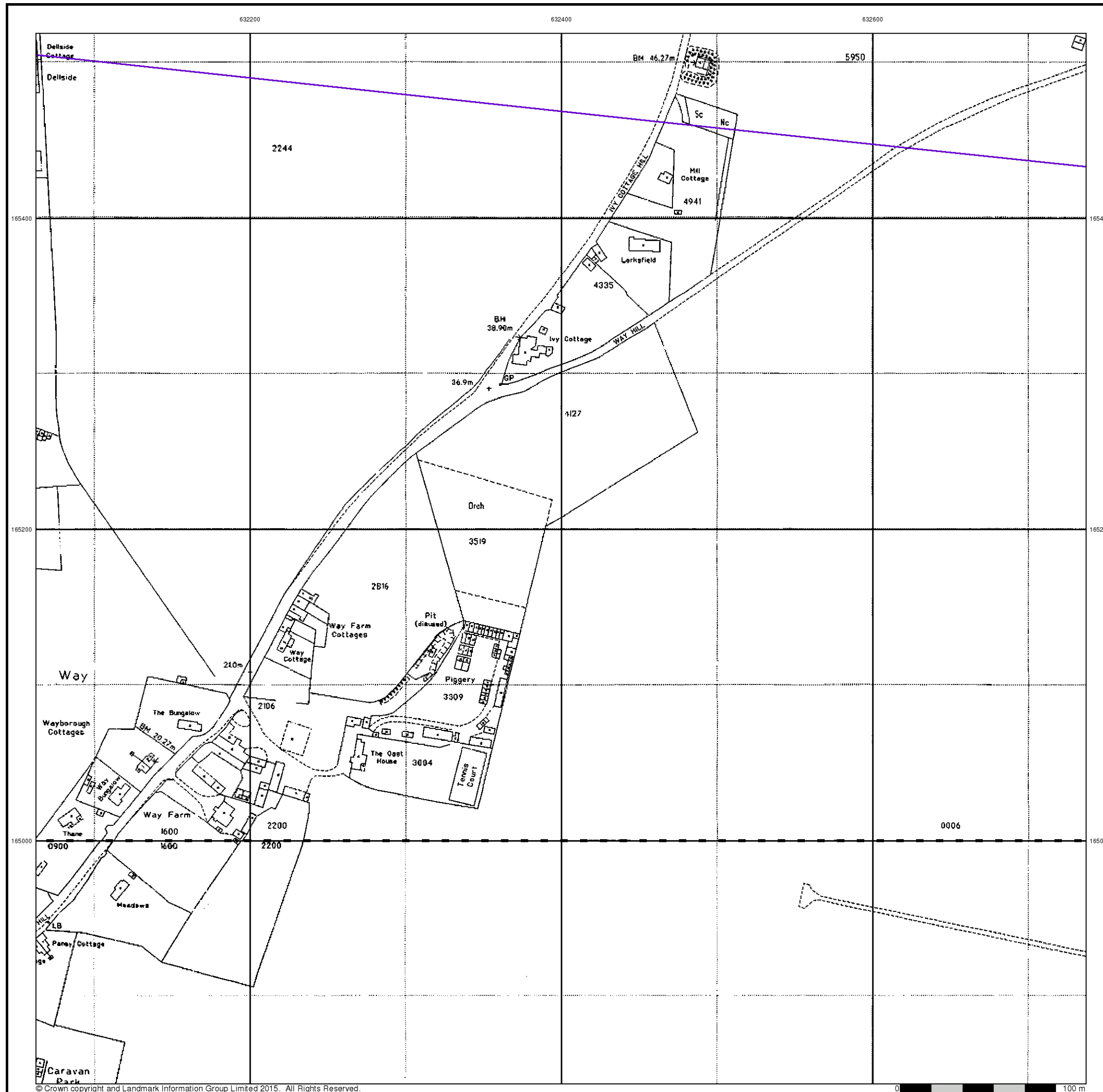


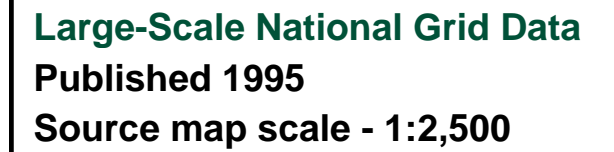
Map Name(s) and Date(s)



Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



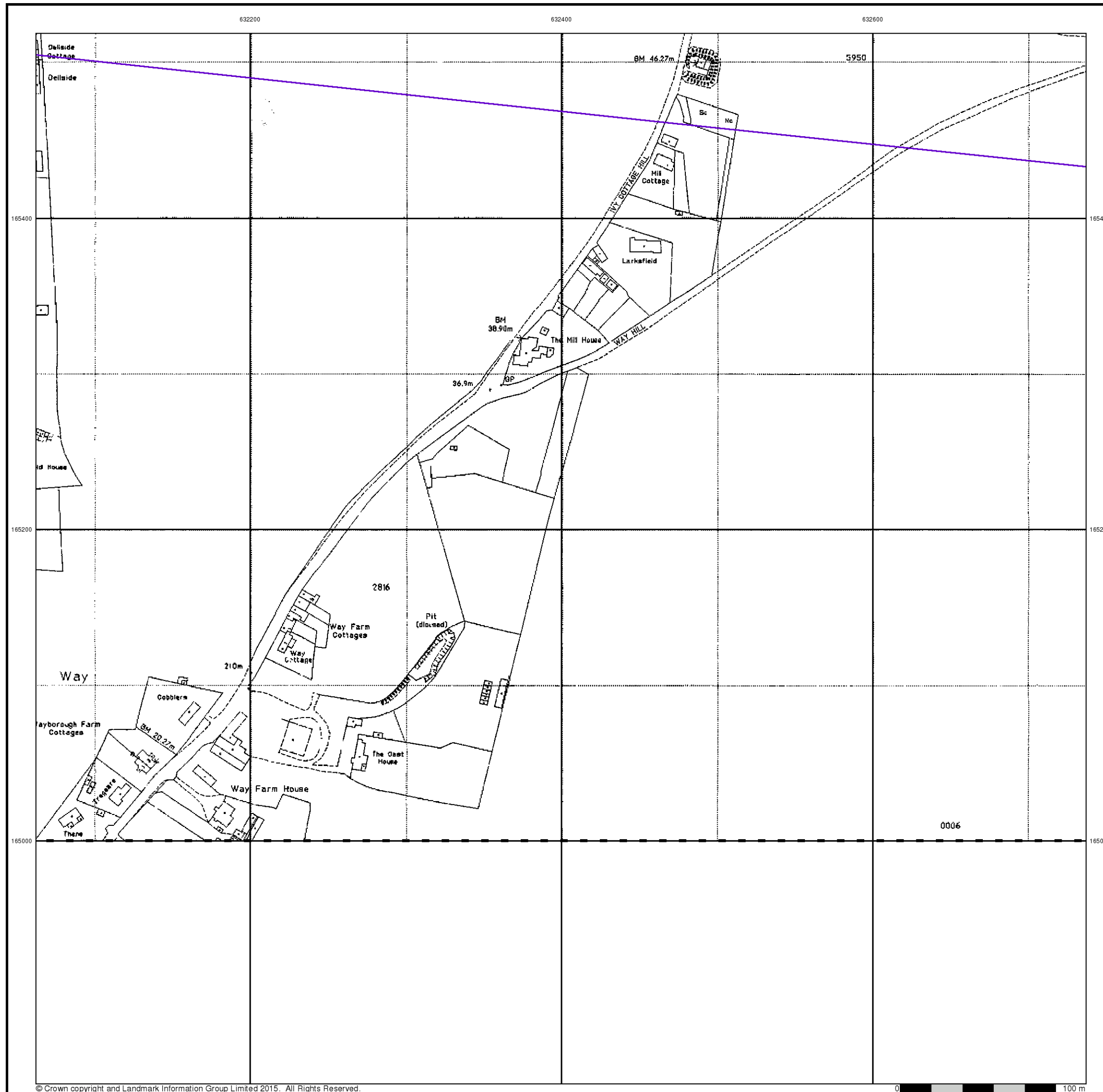


Map Name(s) and Date(s)



Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

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Historical Mapping Legends

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



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



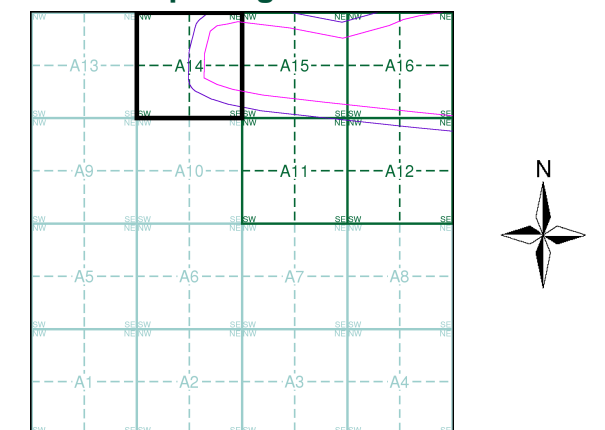
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938 - 1939	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Additional SIMs	1:2,500	1964 - 1989	7
Ordnance Survey Plan	1:2,500	1968 - 1984	8
Supply of Unpublished Survey Information	1:2,500	1973	9
Ordnance Survey Plan	1:2,500	1984	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1995	12
Large-Scale National Grid Data	1:2,500	1996	13
Large-Scale National Grid Data	1:2,500	1996	14

Historical Map - Segment A14



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL

Kent

Published 1873

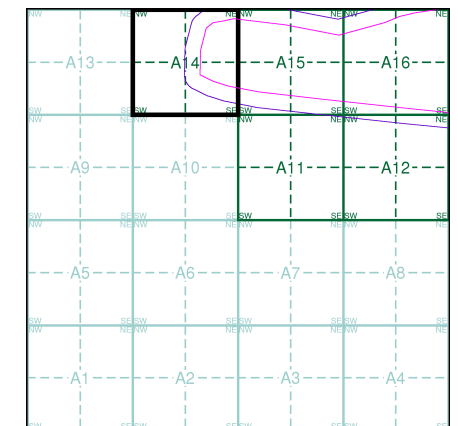
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

025_14
1873
1:2,500
037_02
1873
1:2,500

Historical Map - Segment A14

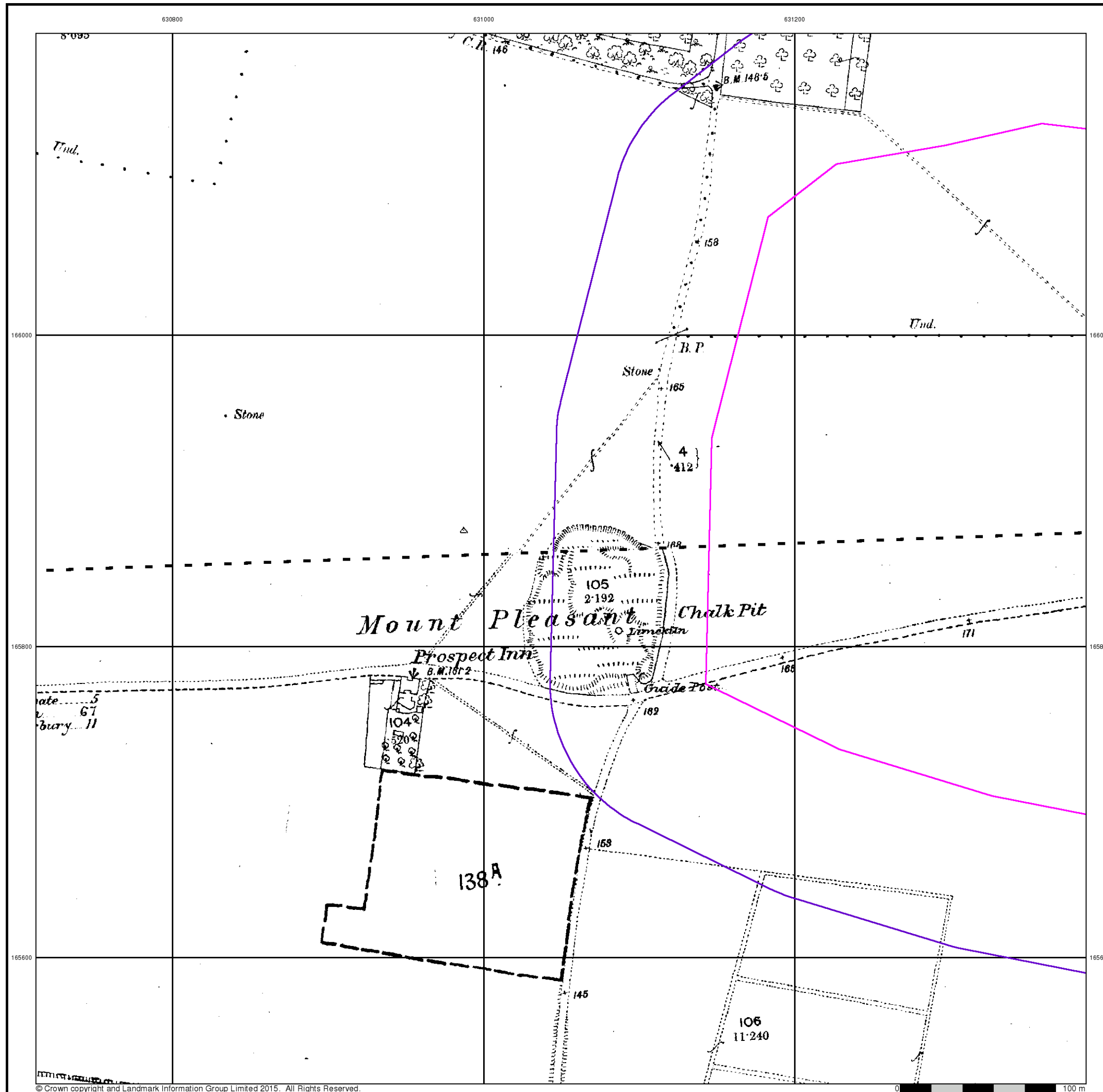


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



Kent

Published 1896

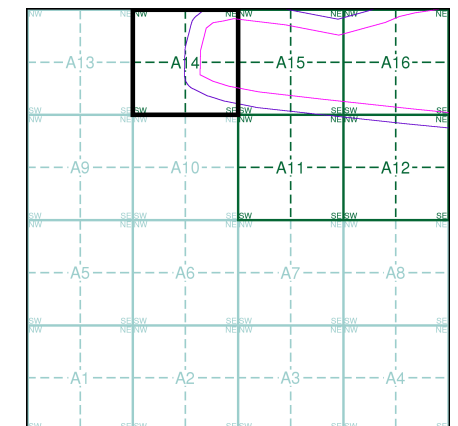
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

025_14
1896
1:2,500
037_02
1896
1:2,500

Historical Map - Segment A14

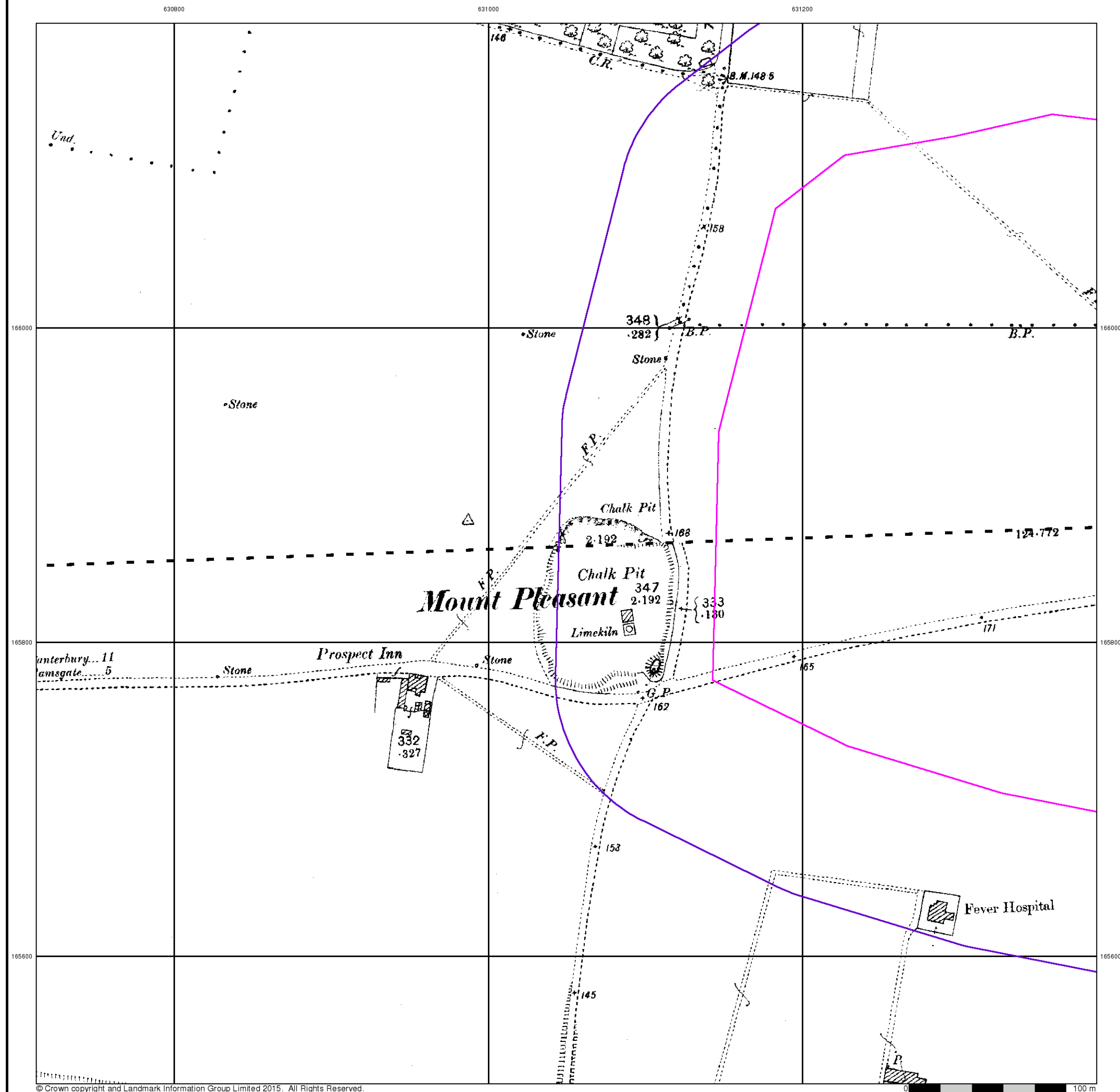


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



Kent

Published 1907

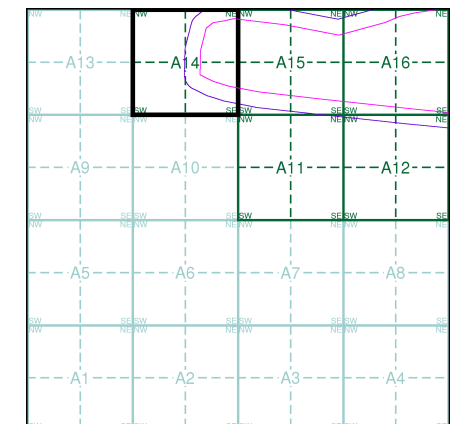
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

025_14
1907
1:2,500
037_02
1907
1:2,500

Historical Map - Segment A14

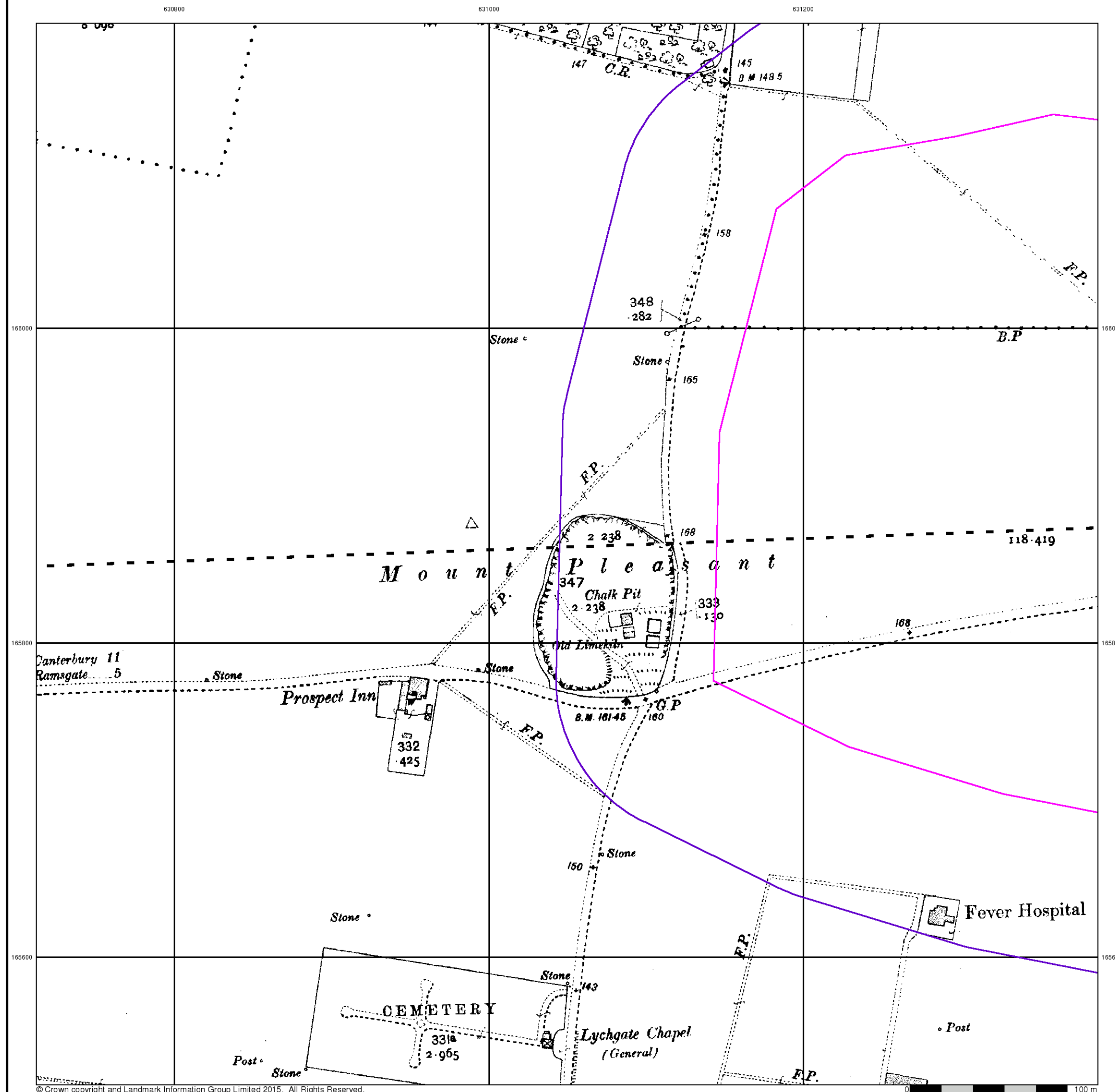


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



Kent

Published 1938 - 1939

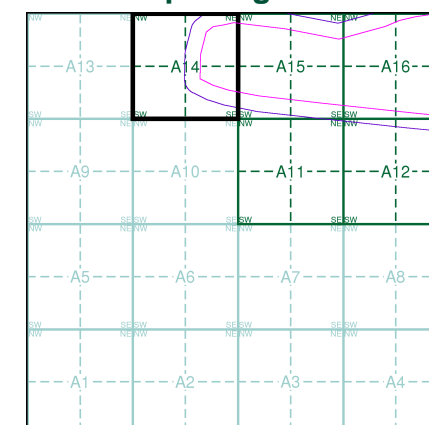
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

025_14
1939
1:2,500
037_02
1938
1:2,500

Historical Map - Segment A14

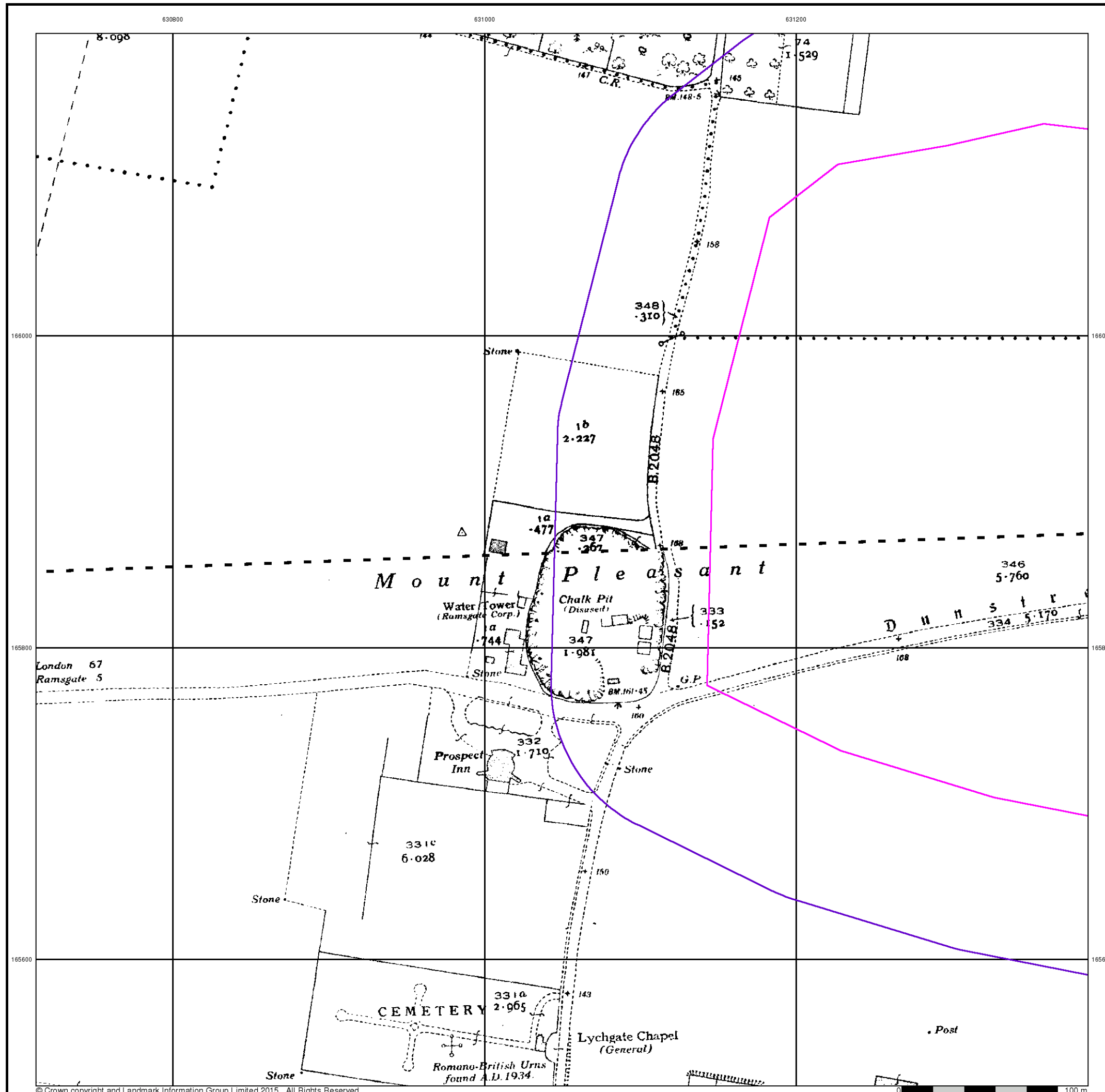


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



Ordnance Survey Plan

Published 1963 - 1964

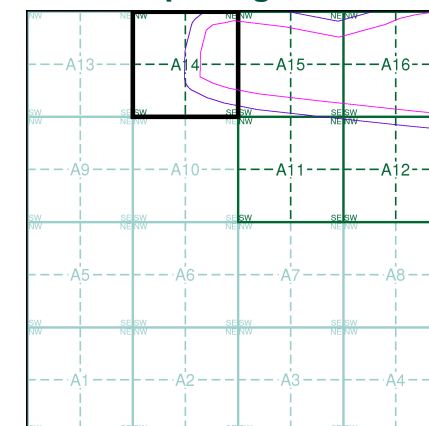
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3086 1964 1:2,500	TR3166 1964 1:2,500
TR3085 1963 1:2,500	TR3165 1963 1:2,500

Historical Map - Segment A14

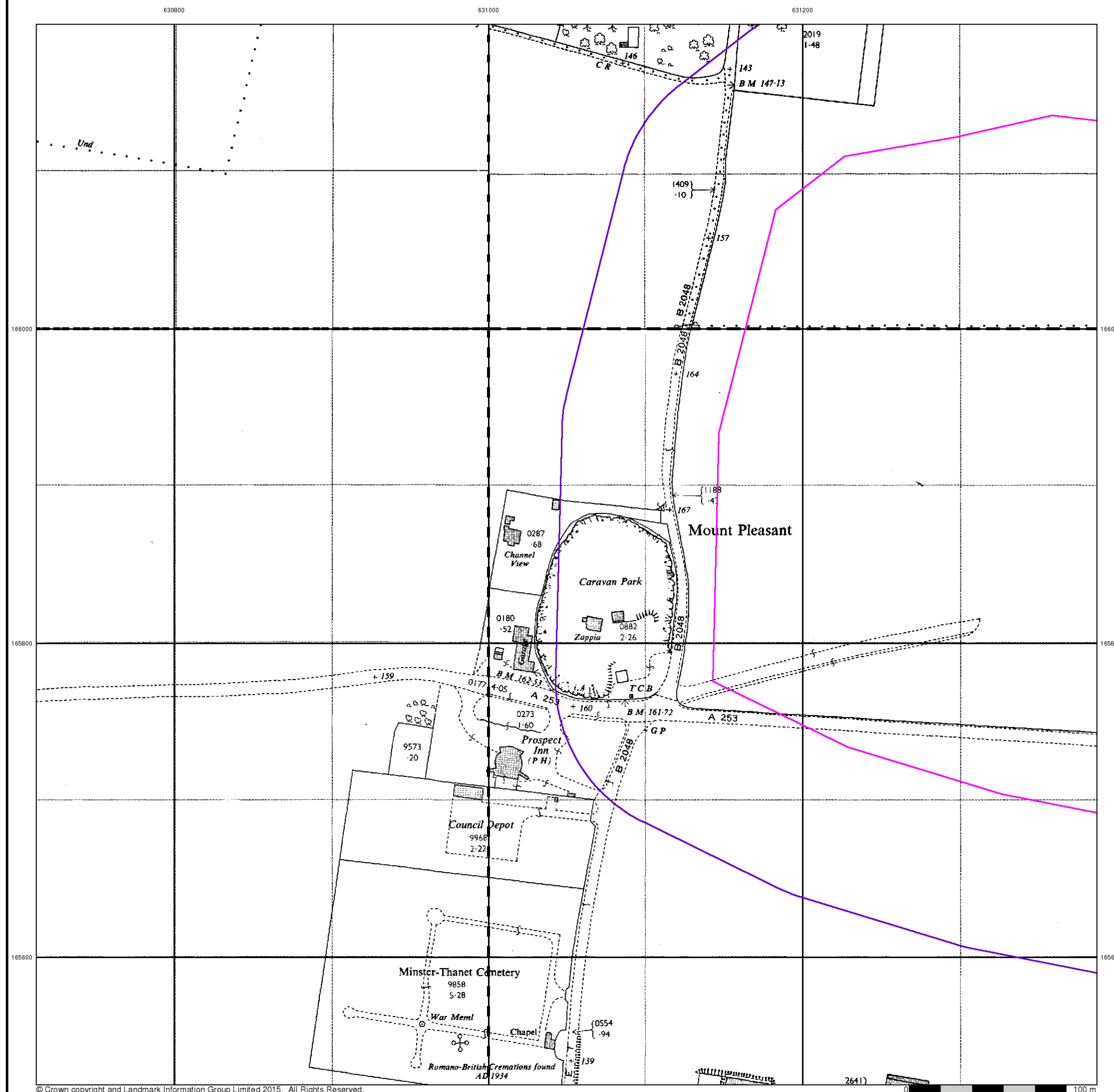


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



Additional SIMs

Published 1964 - 1989

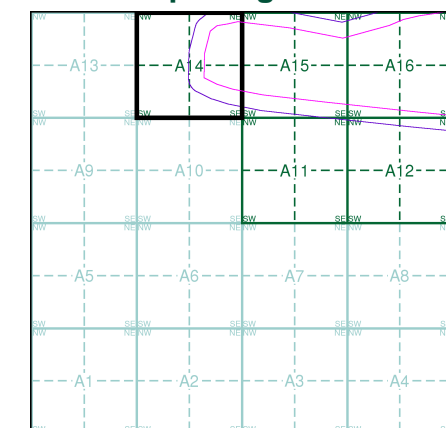
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3086		
1964		
12,500		
TR3085		TR3165
1977		1989
12,500		12,500

Historical Map - Segment A14



Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



Ordnance Survey Plan

Published 1968 - 1984

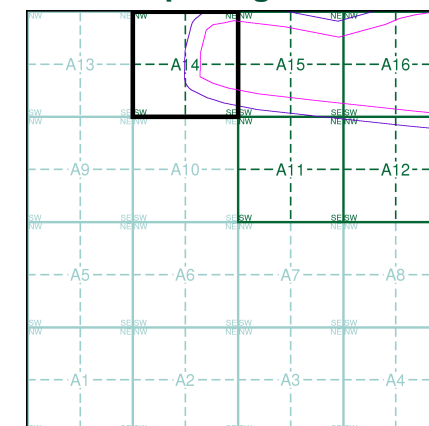
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3086 1984 12,500	TR3166 1977 12,500
TR3085 1968 12,500	TR3165 1968 12,500

Historical Map - Segment A14

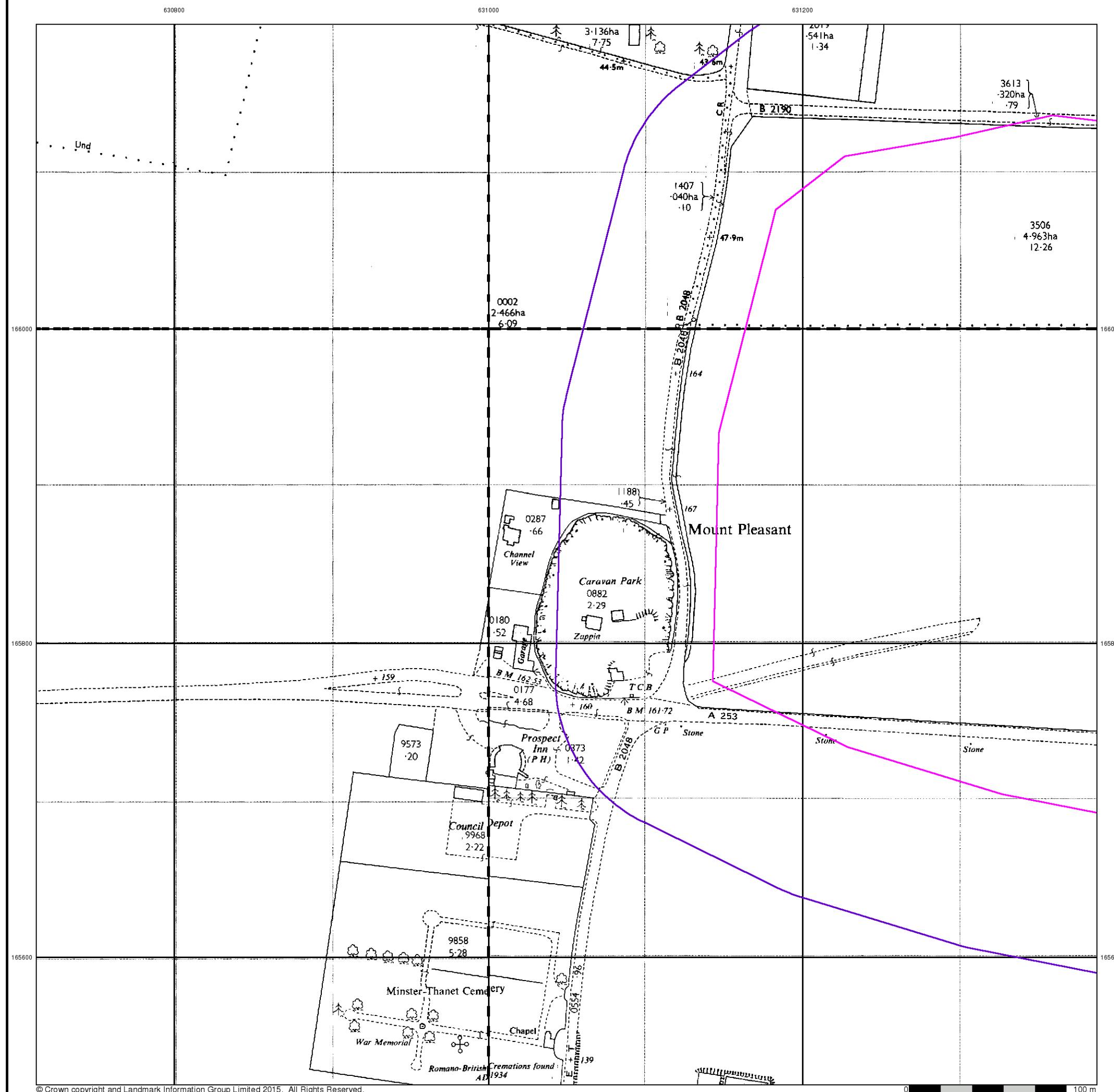


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



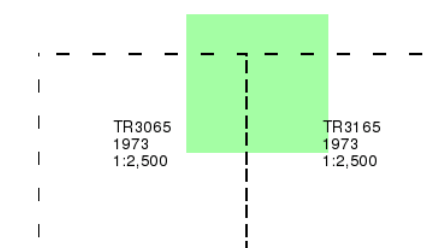
Supply of Unpublished Survey Information

Published 1973

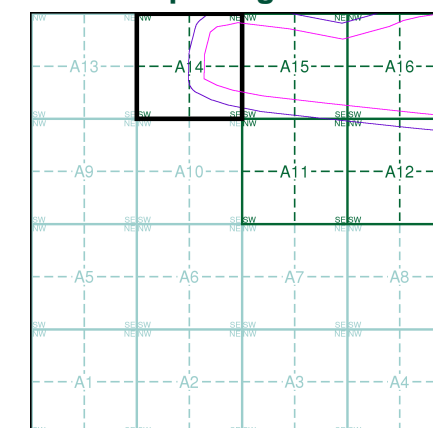
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



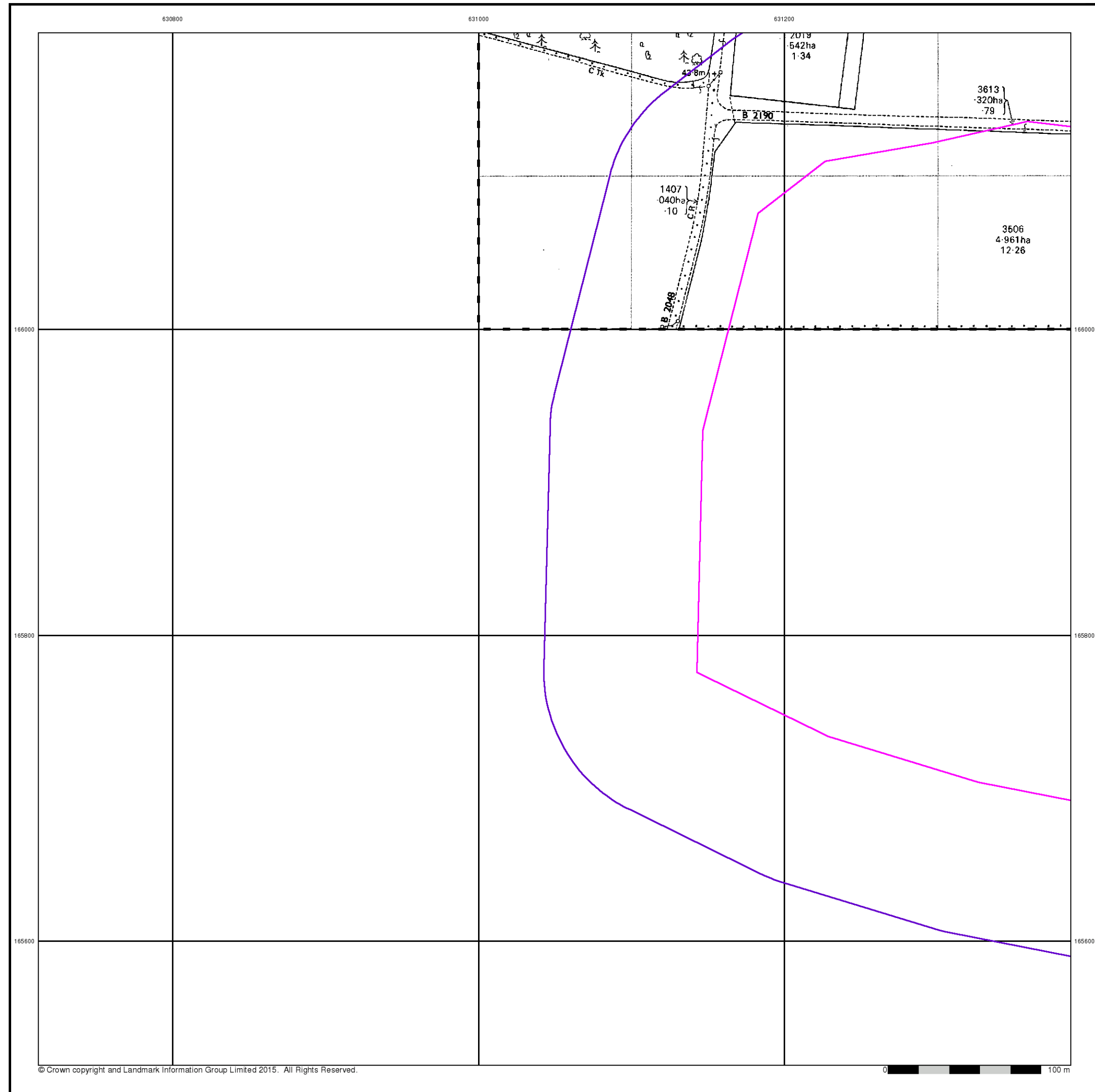
Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL





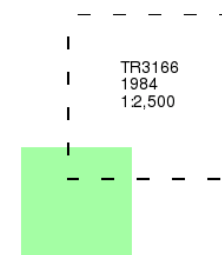
Ordnance Survey Plan

Published 1984

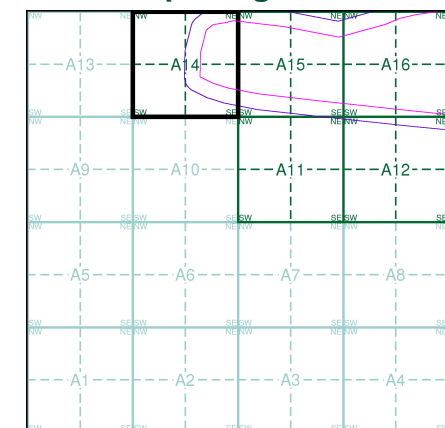
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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

Large-Scale National Grid Data

Published 1993

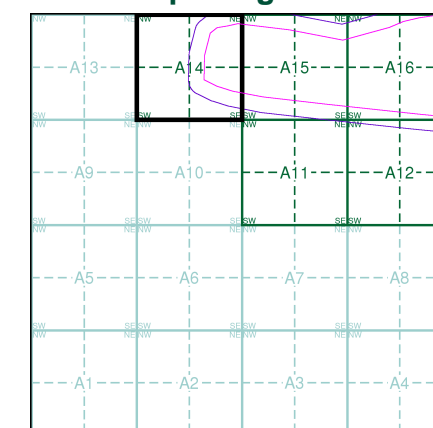
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3066 1993 12,500	TR3166 1993 12,500
TR3065 1993 12,500	TR3165 1993 12,500

Historical Map - Segment A14



Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

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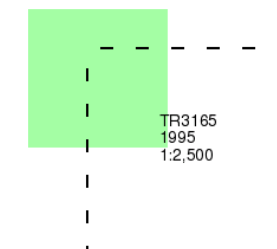
Large-Scale National Grid Data

Published 1995

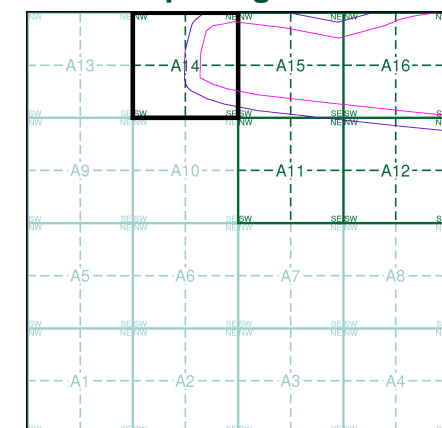
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

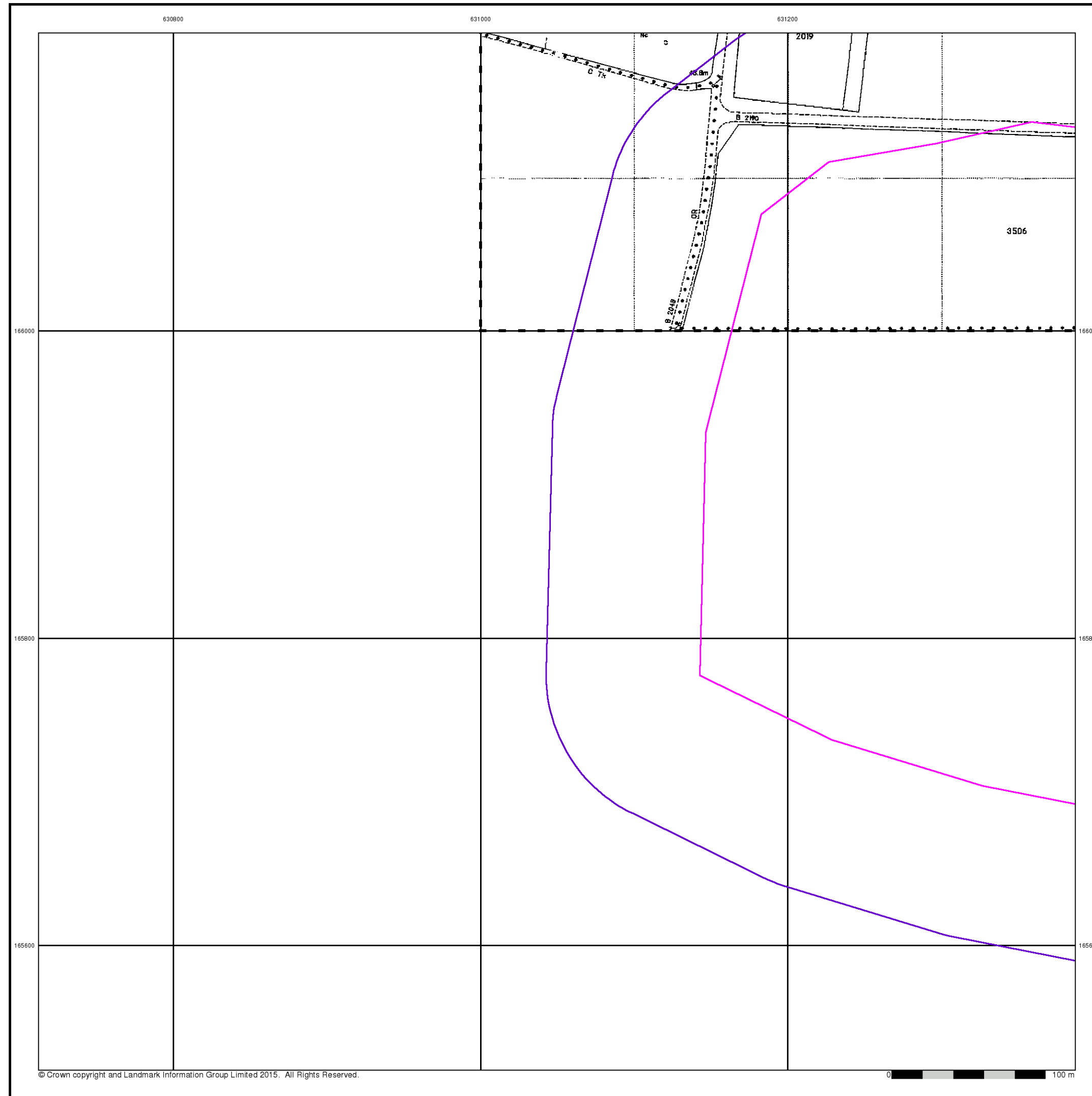
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

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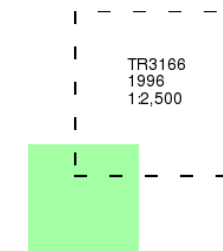
Large-Scale National Grid Data

Published 1996

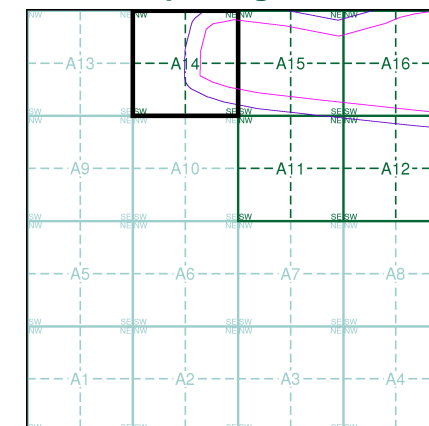
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

Order Number: 82787389_1_1
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National Grid Reference: 631550, 165460
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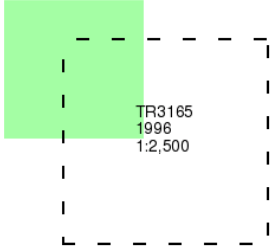
Large-Scale National Grid Data

Published 1996


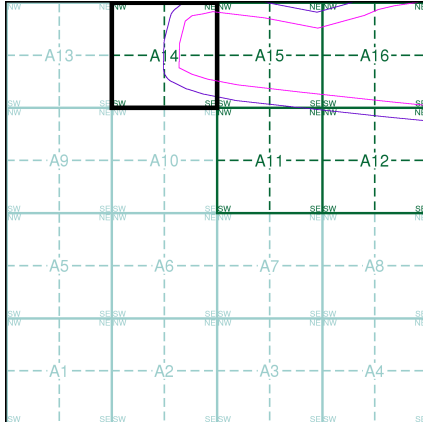
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14




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Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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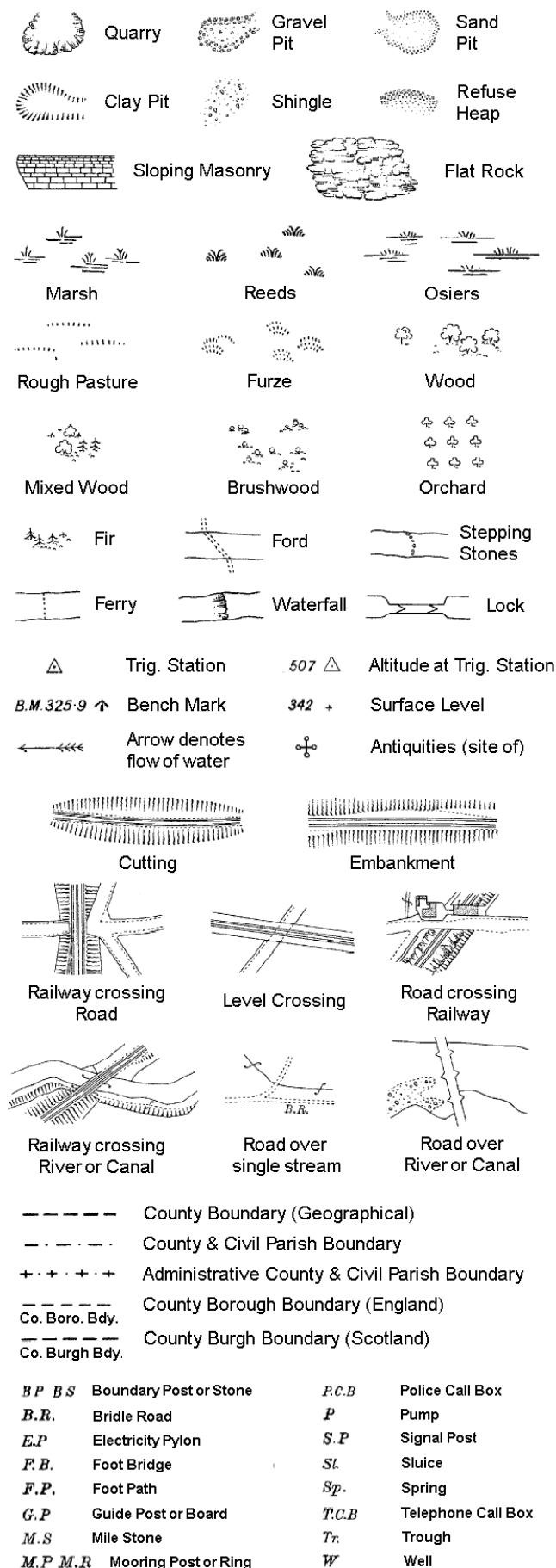


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Web: www.envirocheck.co.uk

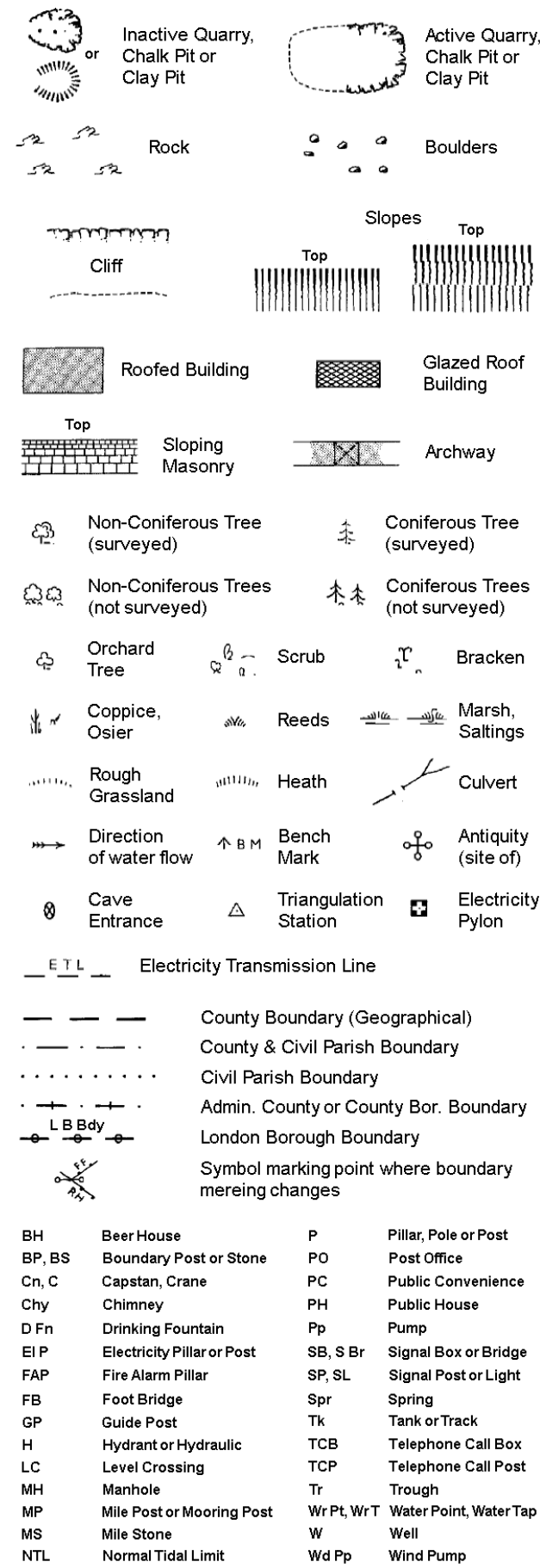
A Landmark Information Group Service v47.0 17-Mar-2016 Page 14 of 14

Historical Mapping Legends

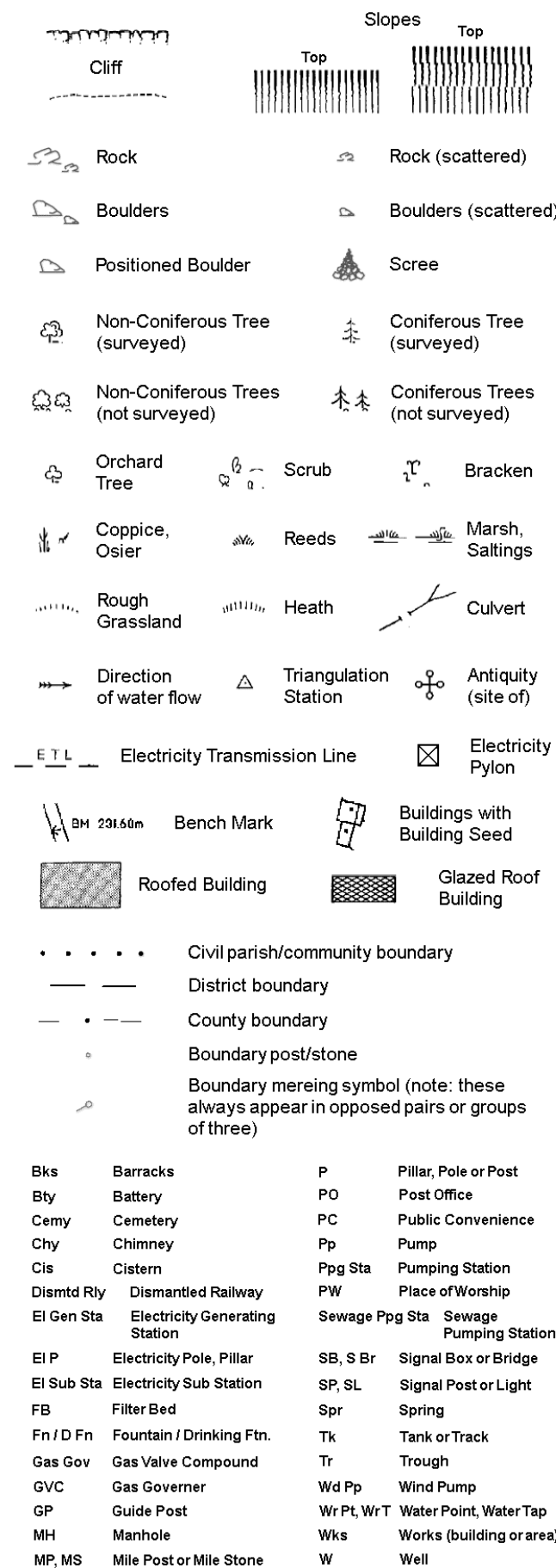
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



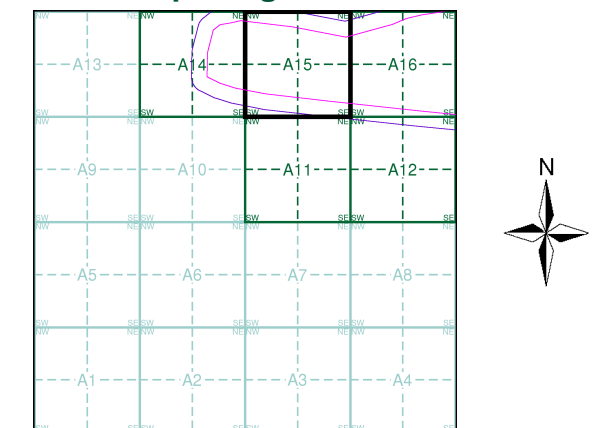
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938 - 1939	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Ordnance Survey Plan	1:2,500	1968 - 1977	7
Supply of Unpublished Survey Information	1:2,500	1973	8
Ordnance Survey Plan	1:2,500	1984	9
Additional SIMs	1:2,500	1989	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1995	12
Large-Scale National Grid Data	1:2,500	1996	13
Large-Scale National Grid Data	1:2,500	1996	14

Historical Map - Segment A15



Order Details

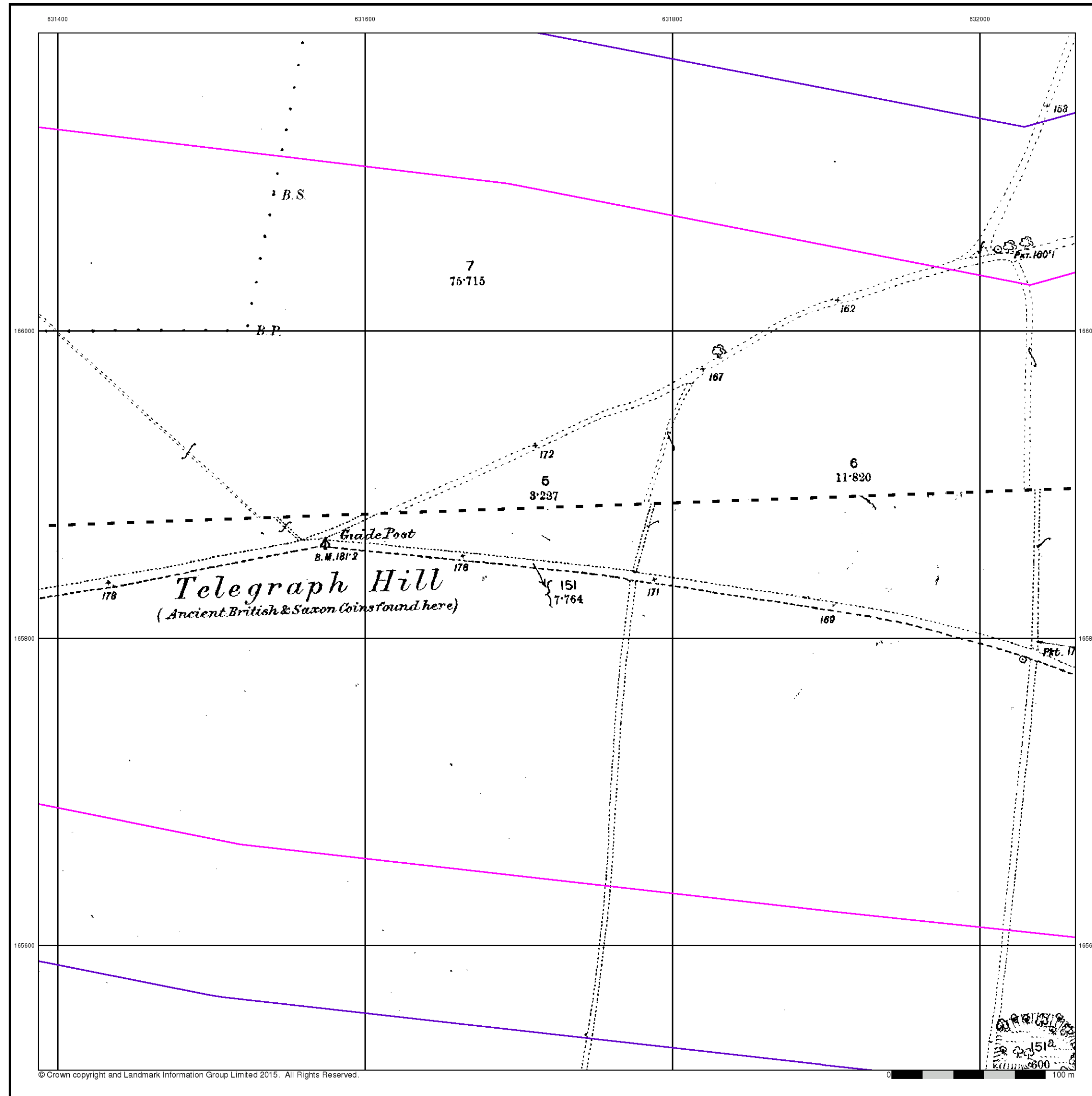
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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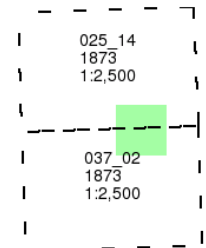
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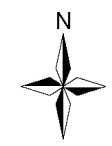
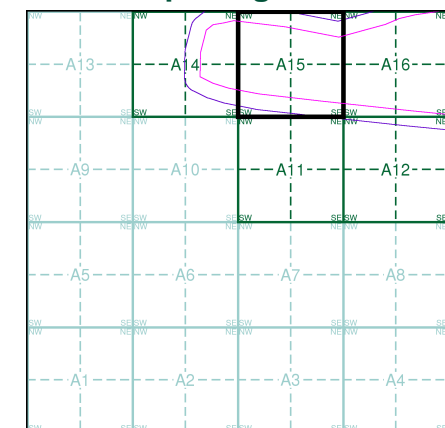
Kent
Published 1873
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15

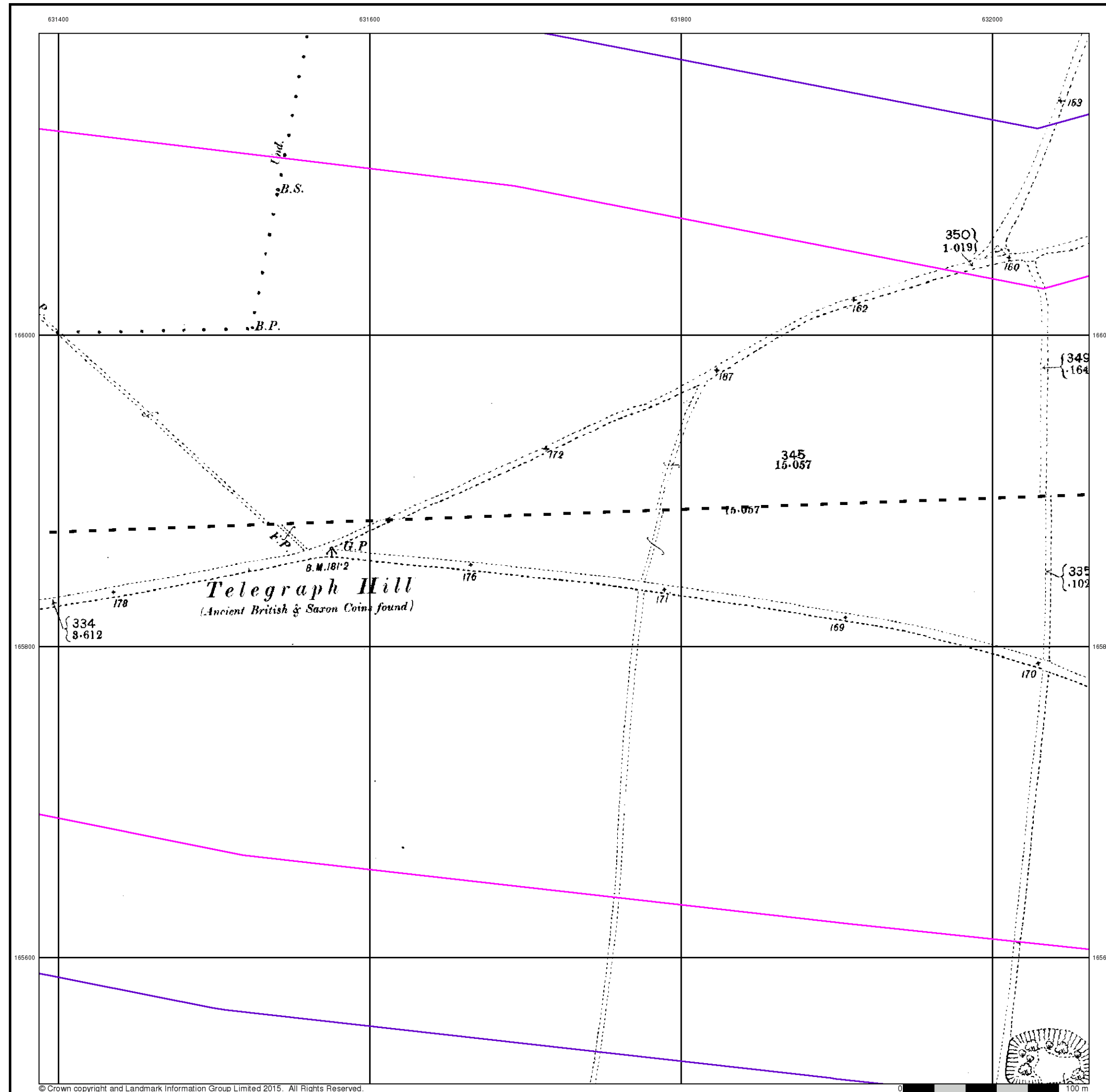


Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details
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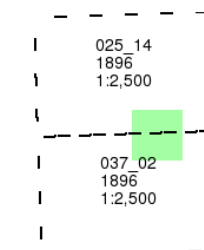
Kent

Published 1896

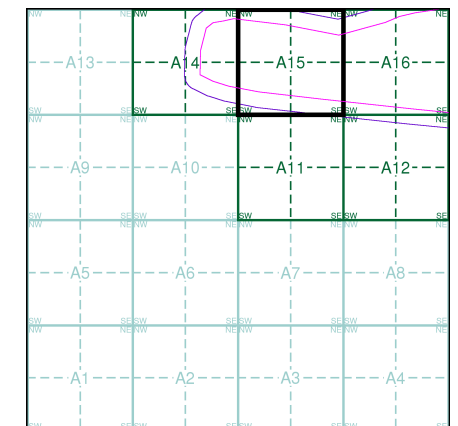
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15

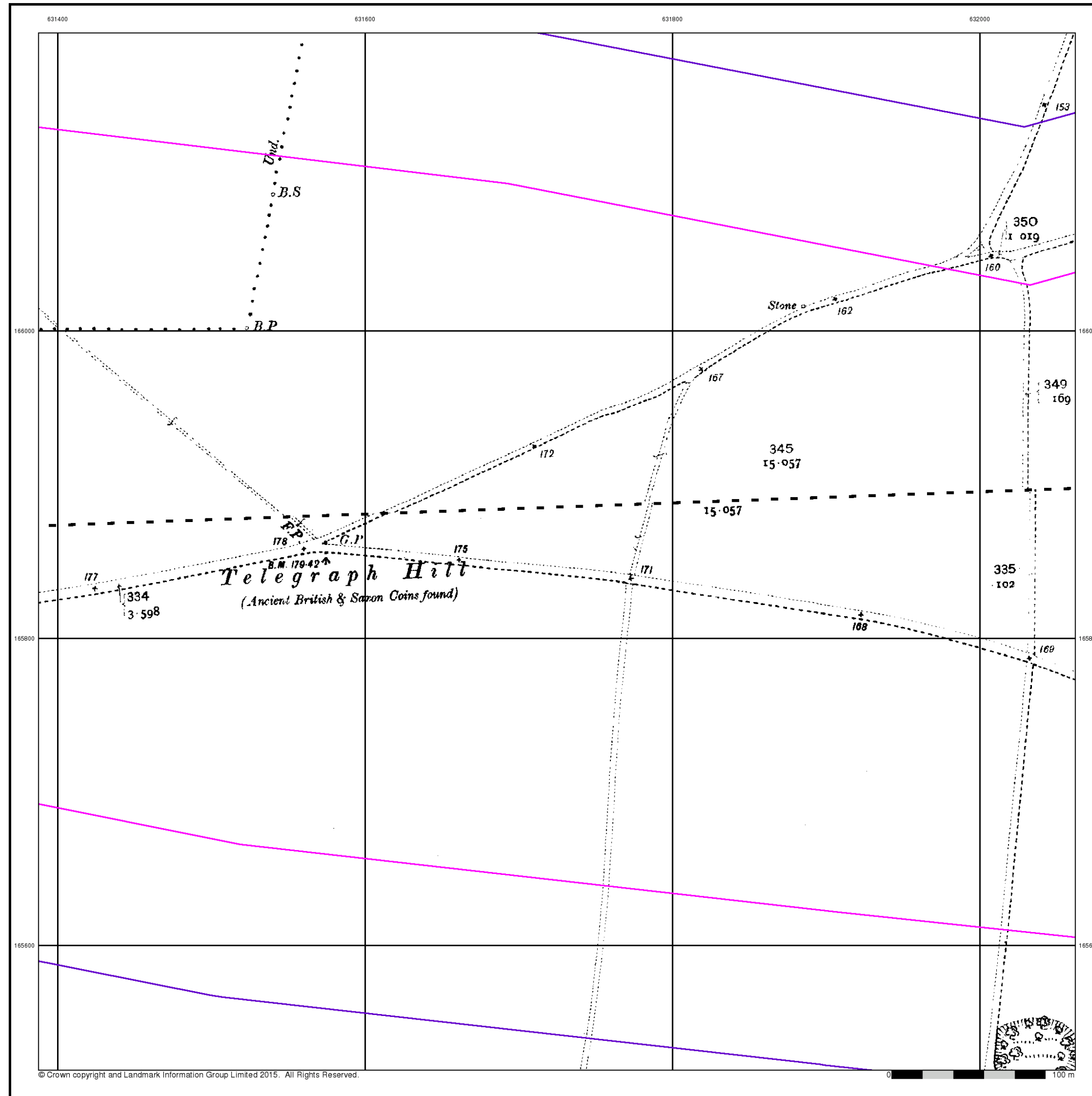


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
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Site Details

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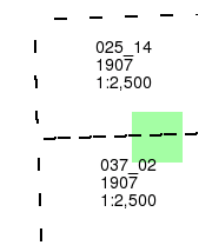
Kent

Published 1907

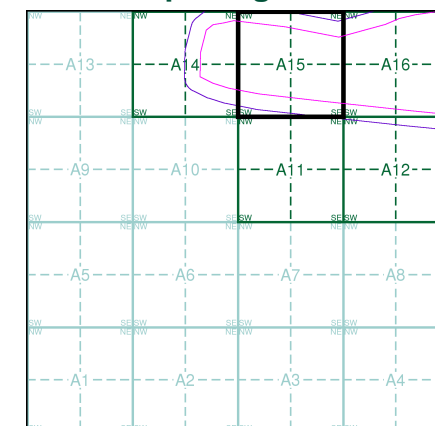
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

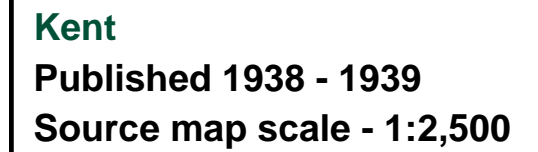
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

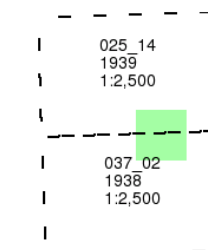
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Map Name(s) and Date(s)

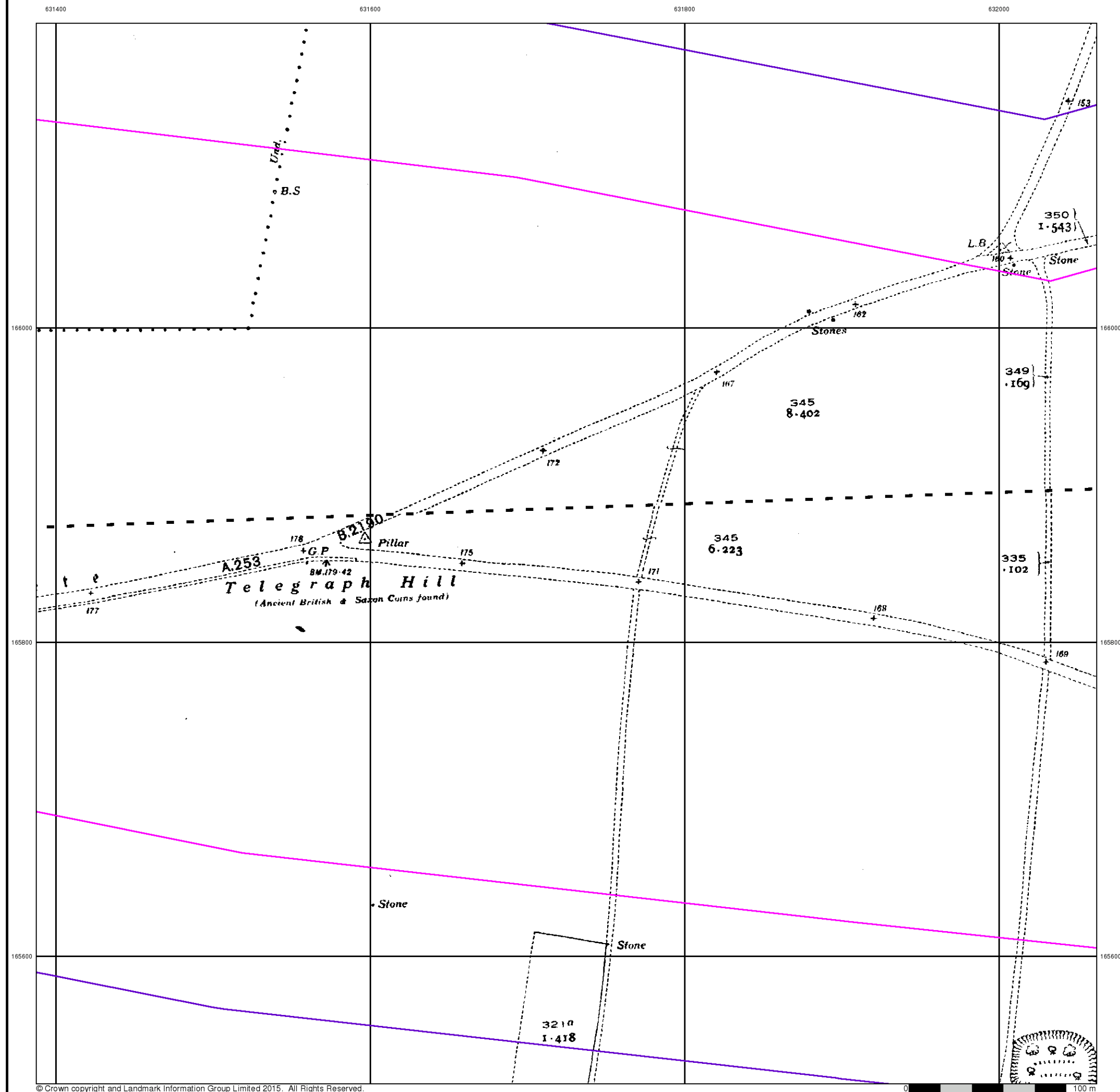


Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1963 - 1964

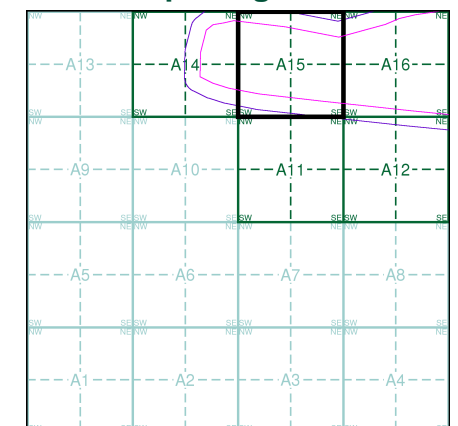
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3166 1964 1:2,500	TR3266 1964 1:2,500
TR3165 1963 1:2,500	TR3265 1963 1:2,500

Historical Map - Segment A15

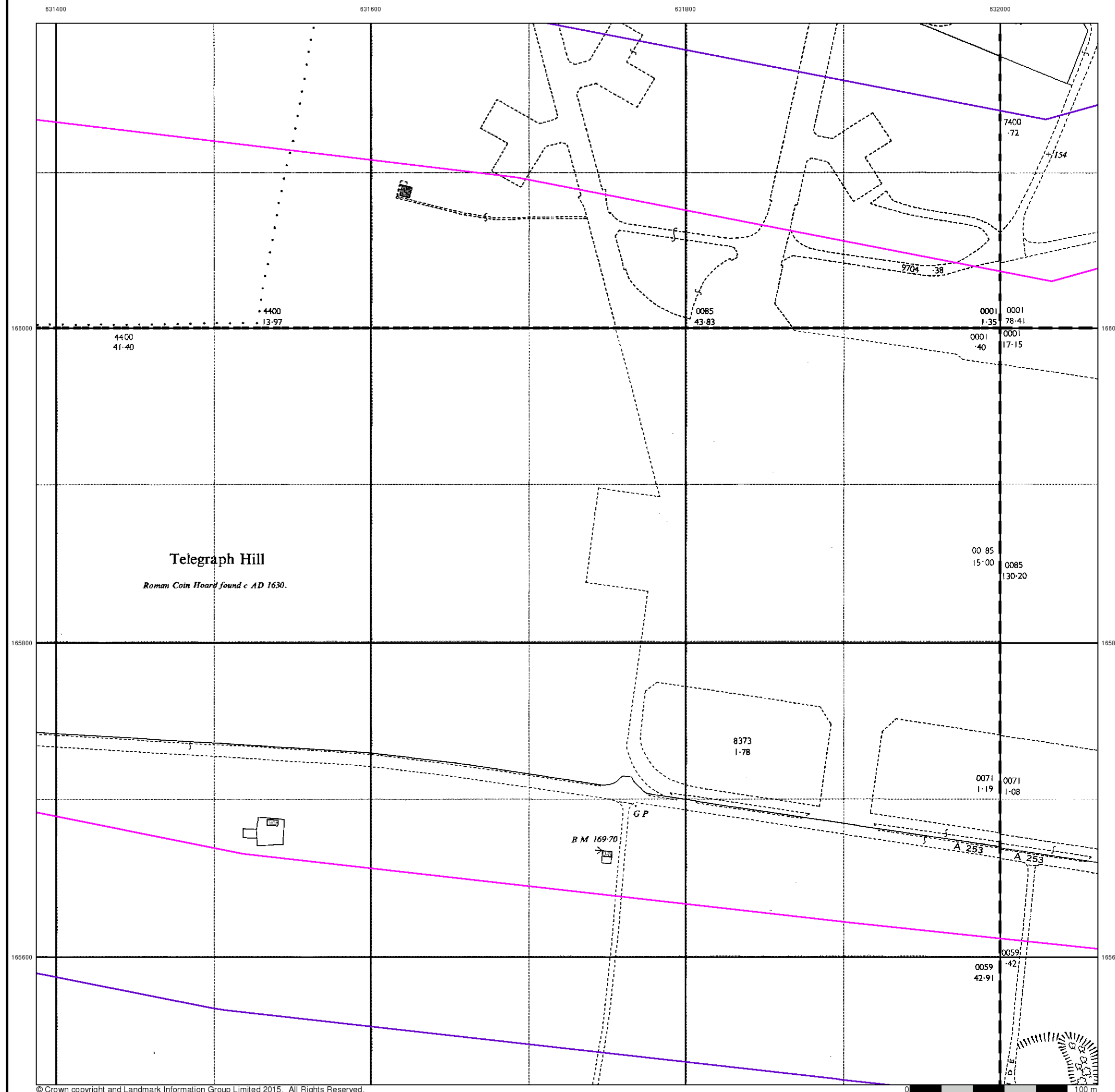


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1968 - 1977

Source map scale - 1:2,500

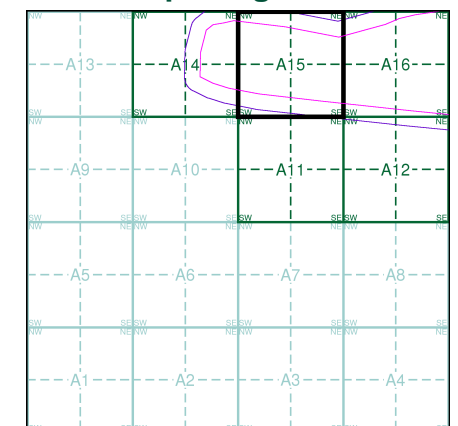
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)

TR3166
1977
1:2,500

TR3165
1968
1:2,500

Historical Map - Segment A15

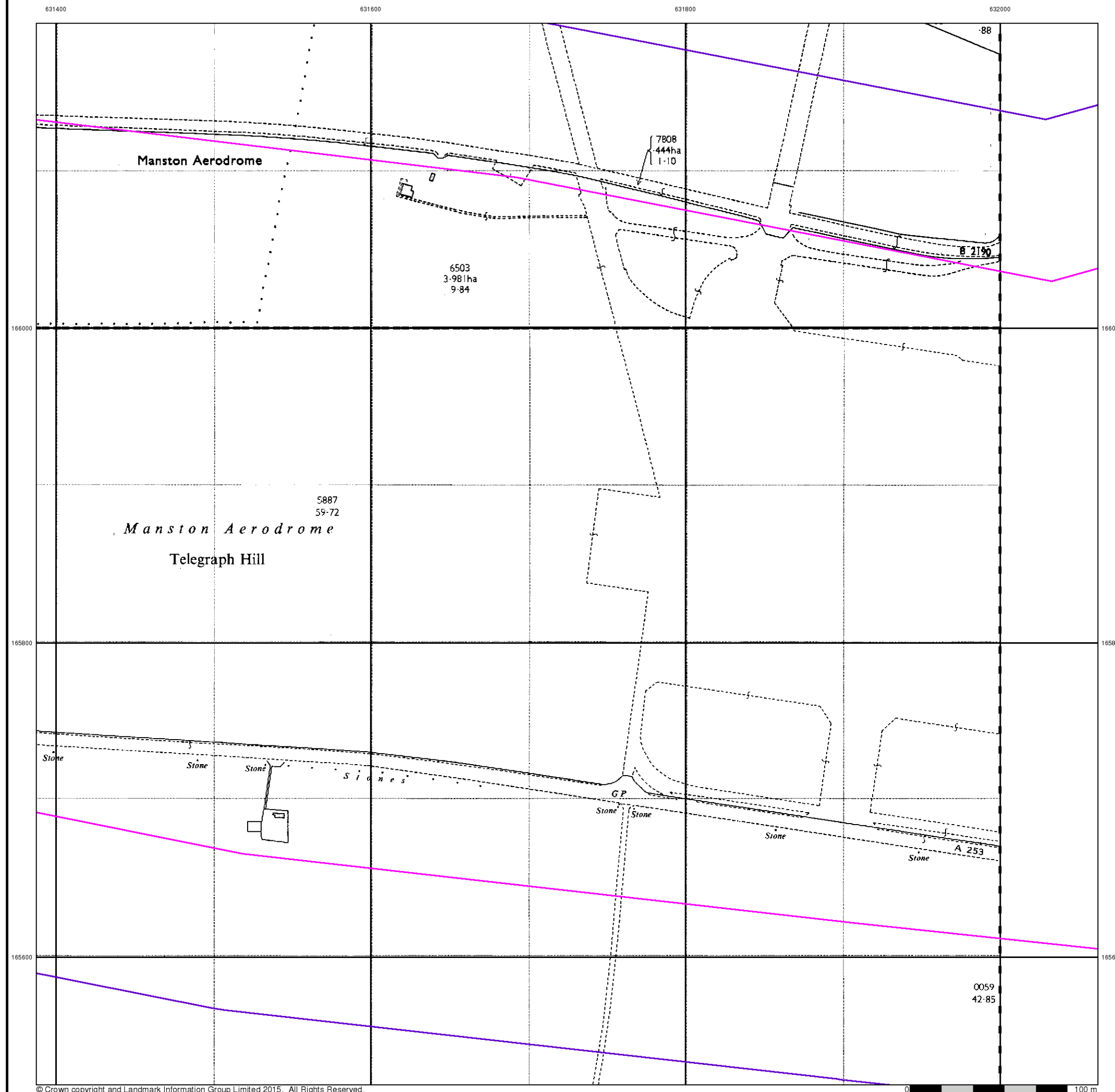


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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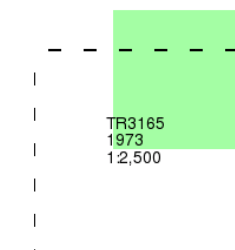
Supply of Unpublished Survey Information

Published 1973

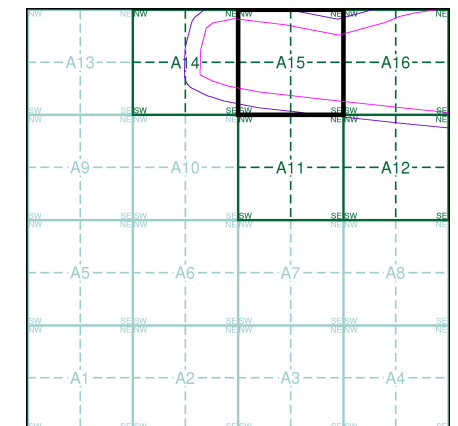
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

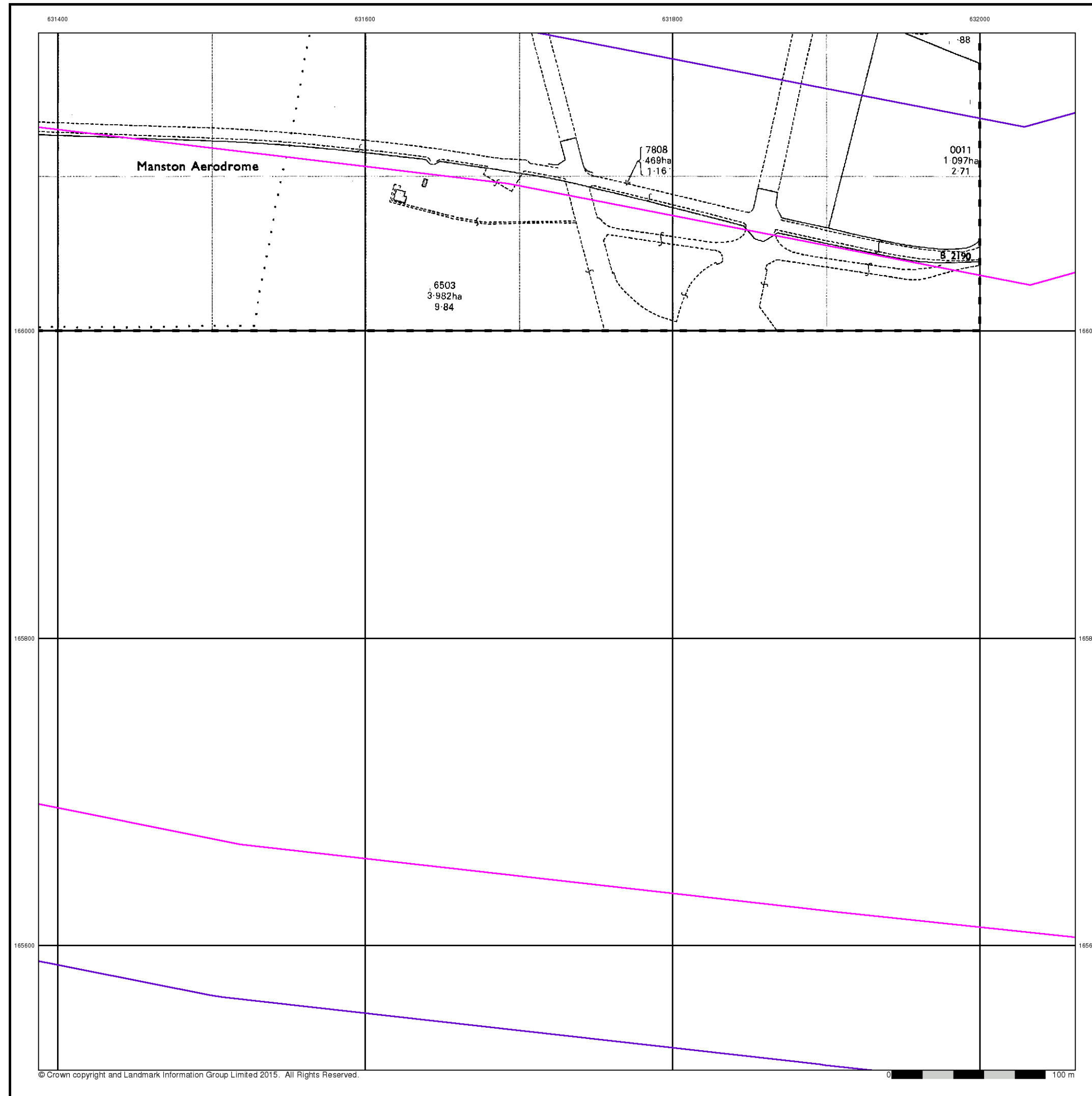
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

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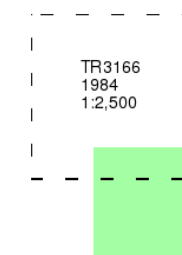
Ordnance Survey Plan

Published 1984

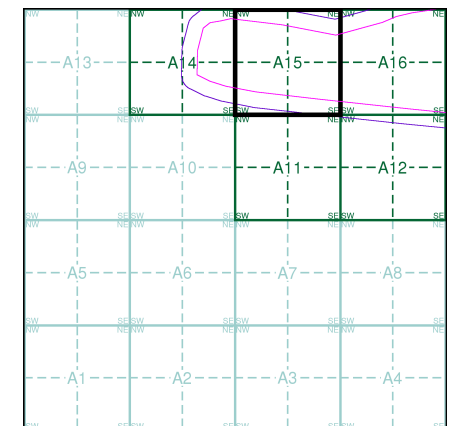
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

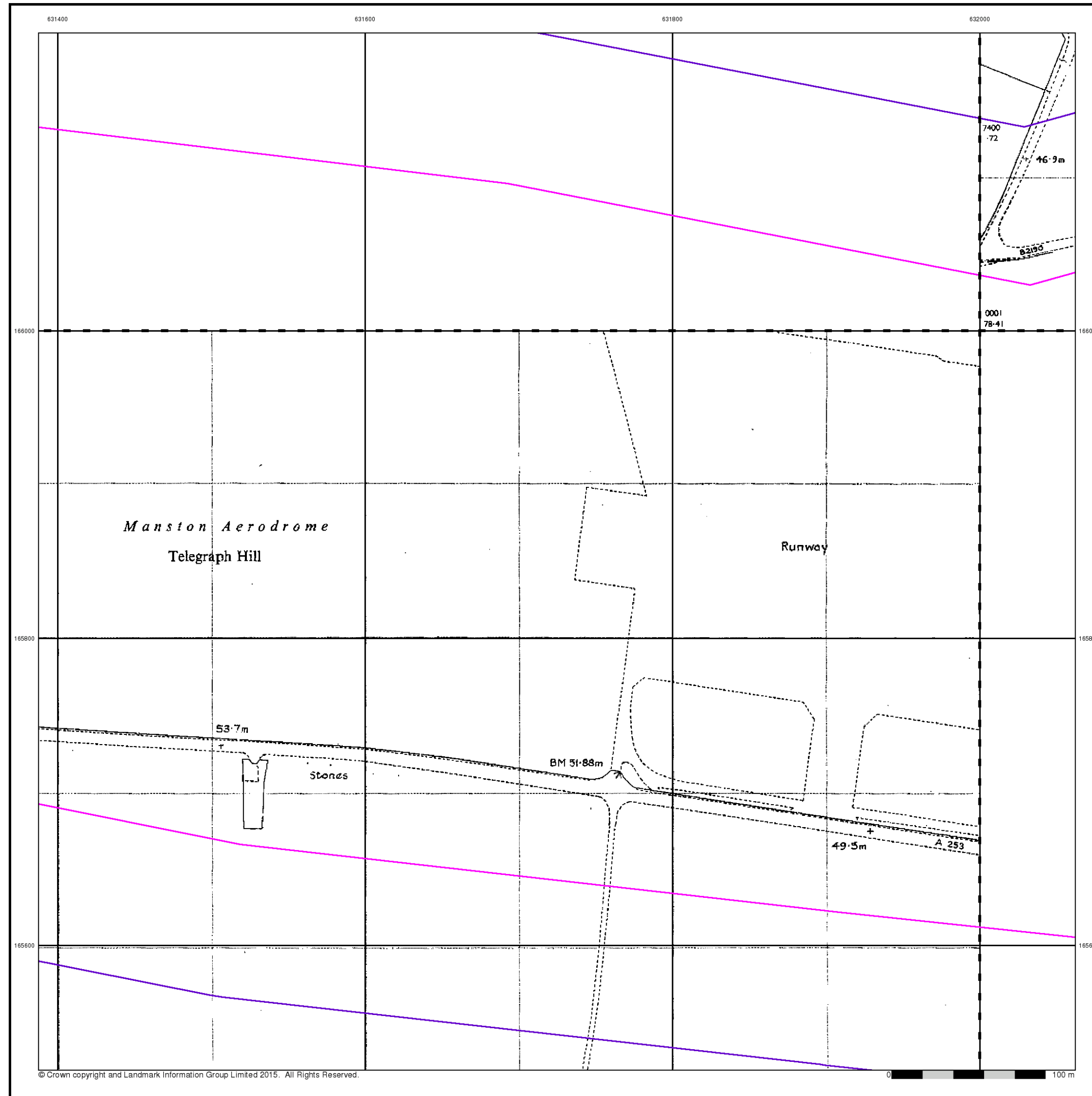
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
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0 100 m



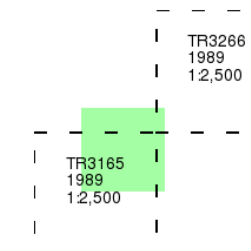
Additional SIMs

Published 1989

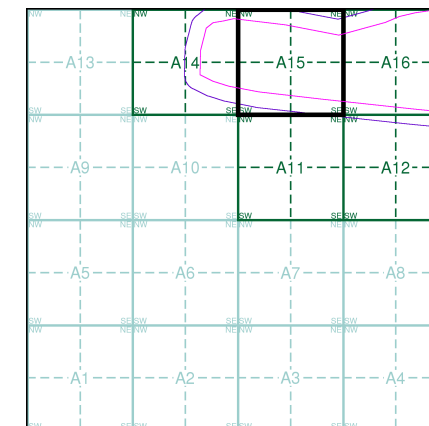
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

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Large-Scale National Grid Data

Published 1993

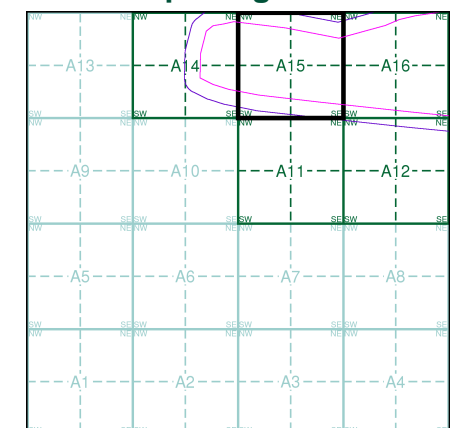
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3166 1993 12,500	TR3266 1993 12,500
TR3165 1993 12,500	TR3265 1993 12,500

Historical Map - Segment A15



Order Details

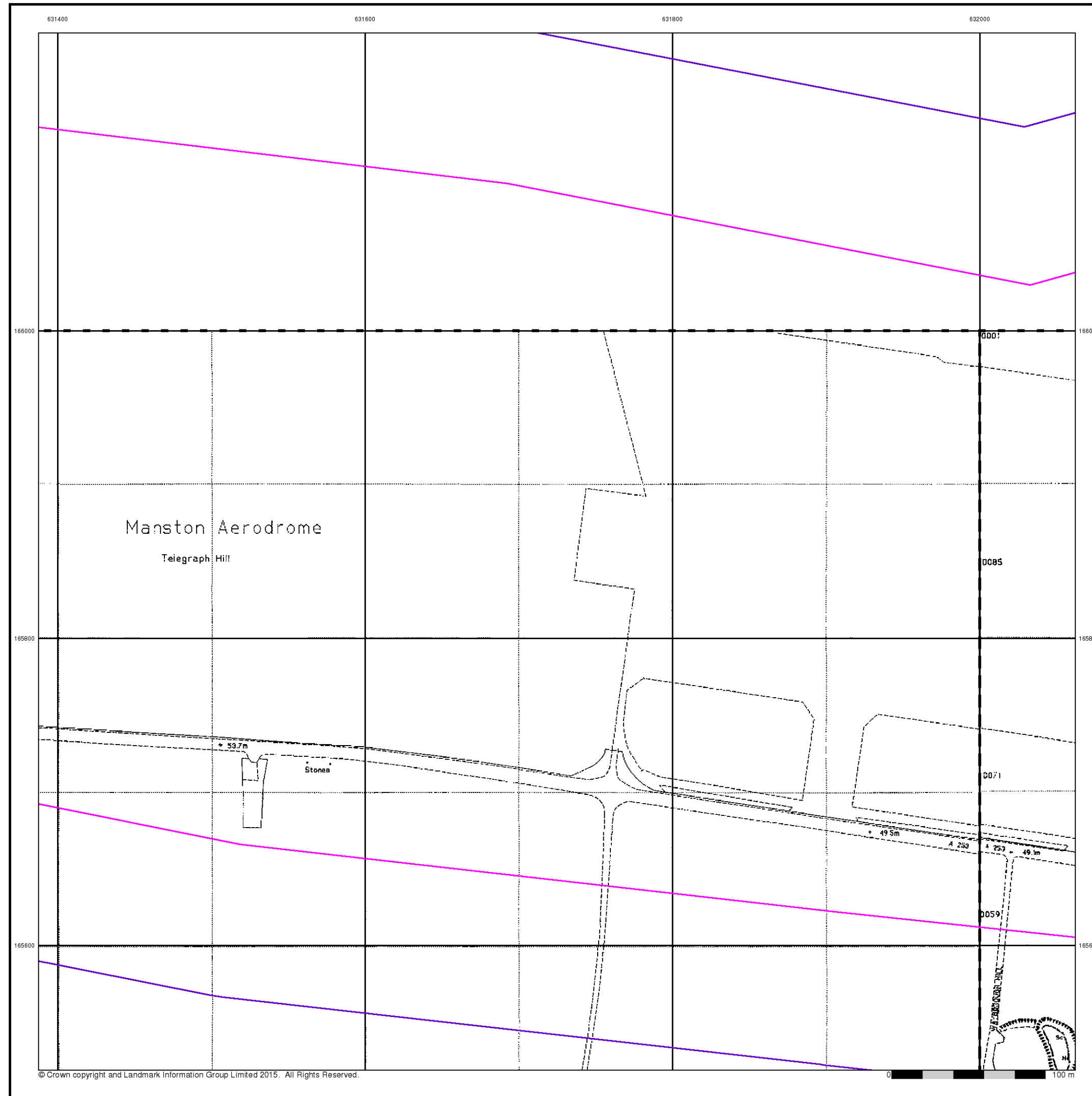
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
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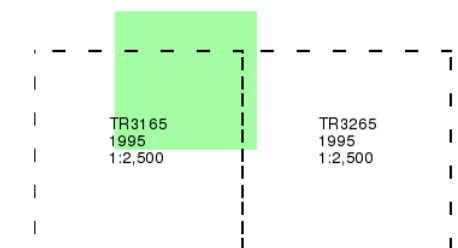
Large-Scale National Grid Data

Published 1995

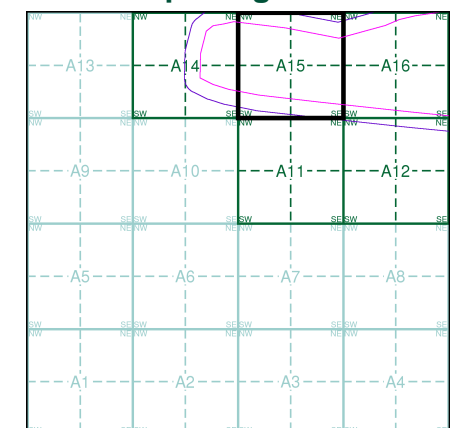
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

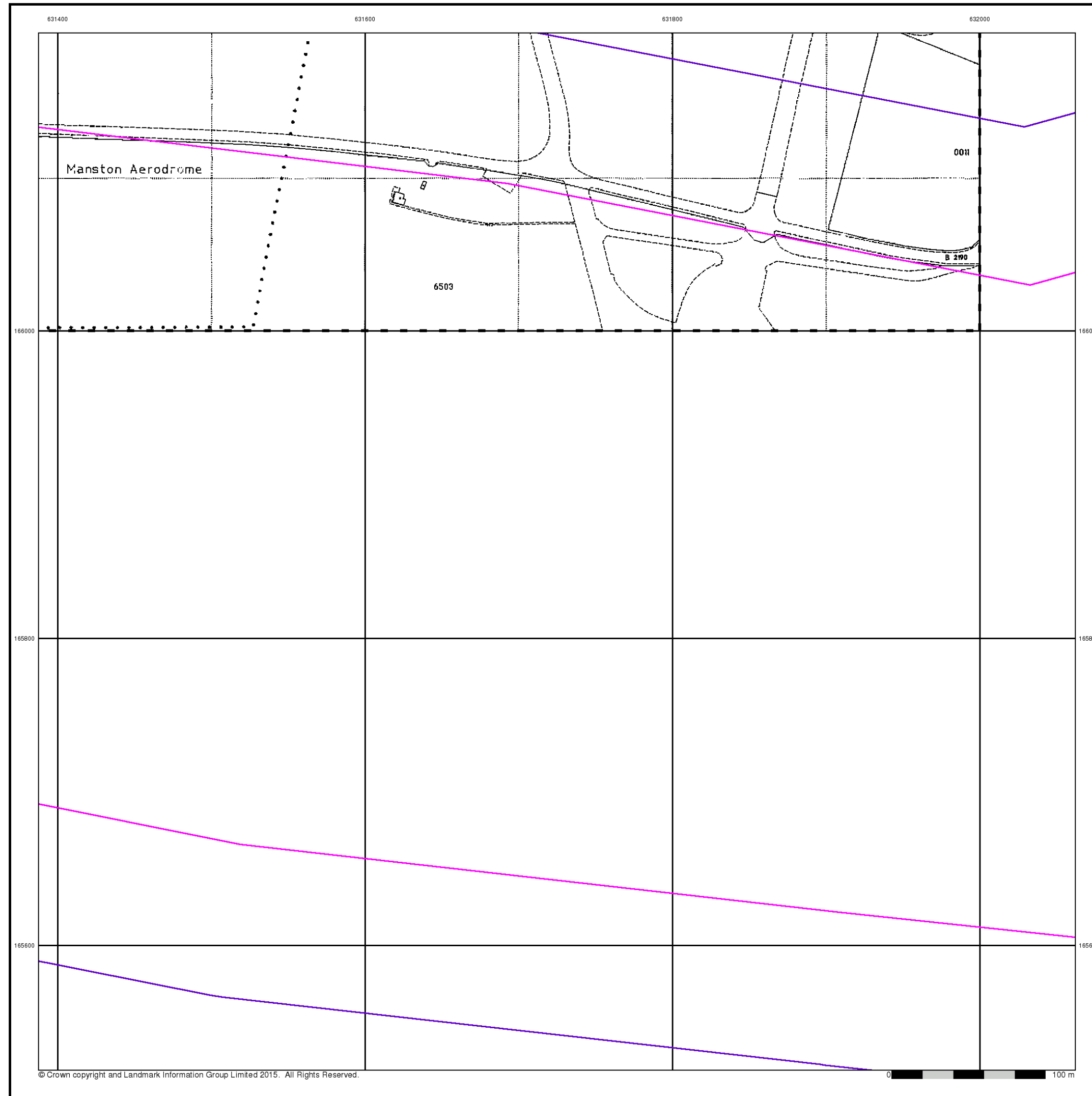
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
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Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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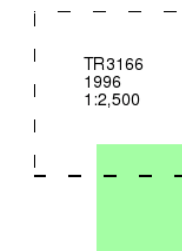
Large-Scale National Grid Data

Published 1996

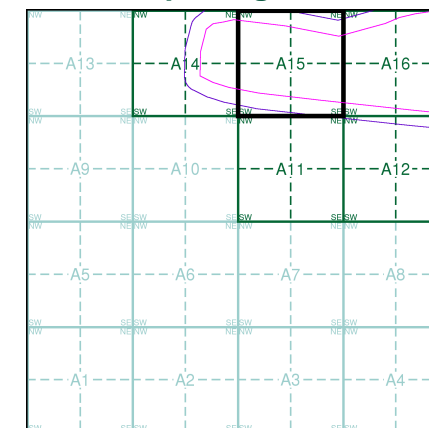
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

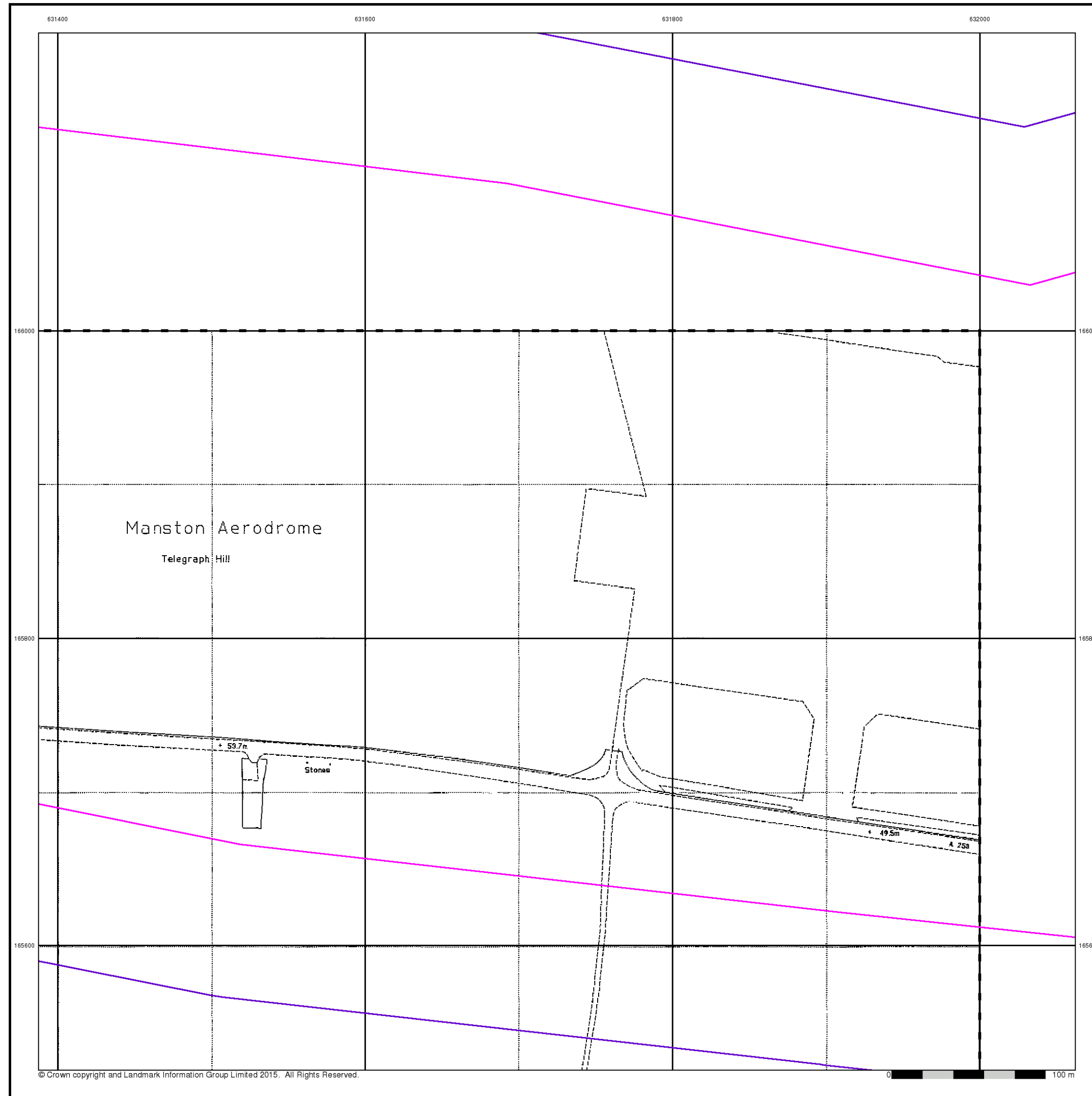
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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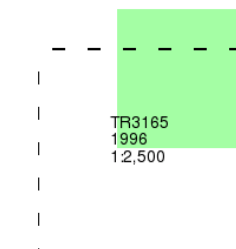
Large-Scale National Grid Data

Published 1996

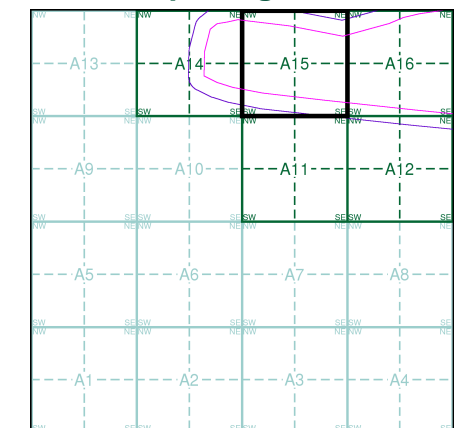
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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Manston, RAMSGATE, Kent, CT12 5BL



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Historical Mapping Legends

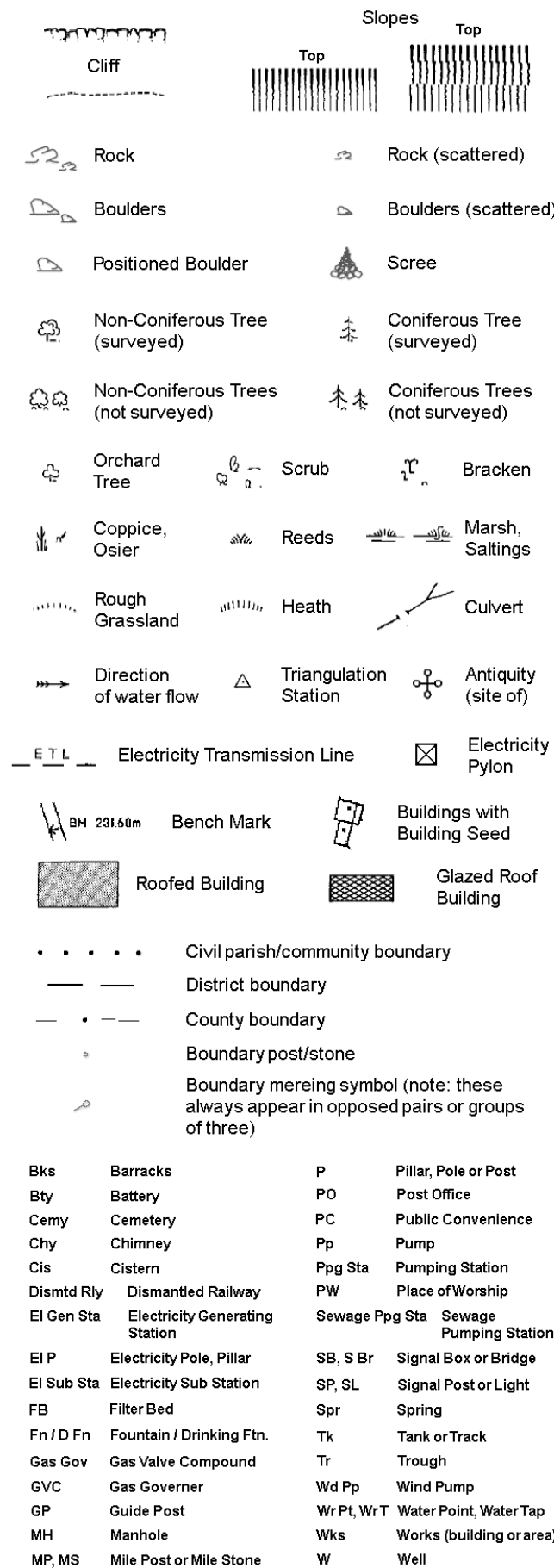
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



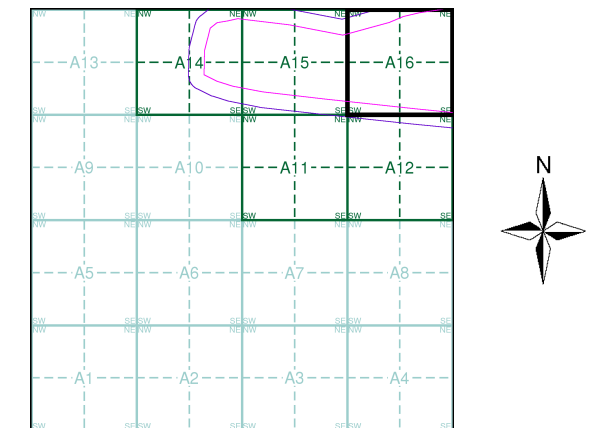
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873 - 1894	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938 - 1939	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Additional SIMs	1:2,500	1989	7
Large-Scale National Grid Data	1:2,500	1993	8
Large-Scale National Grid Data	1:2,500	1995	9

Historical Map - Segment A16



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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Kent

Published 1873 - 1894

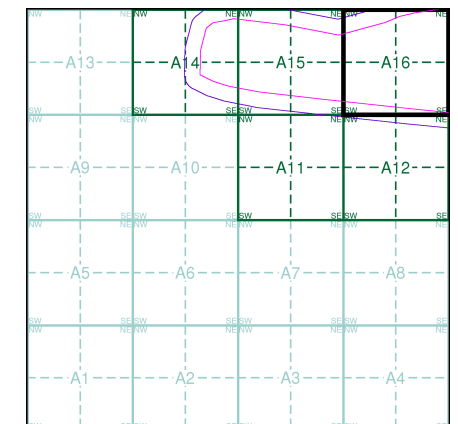
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

025_14 1873 1:2,500	025_15 1894 1:2,500
037_02 1873 1:2,500	037_03 1873 1:2,500

Historical Map - Segment A16

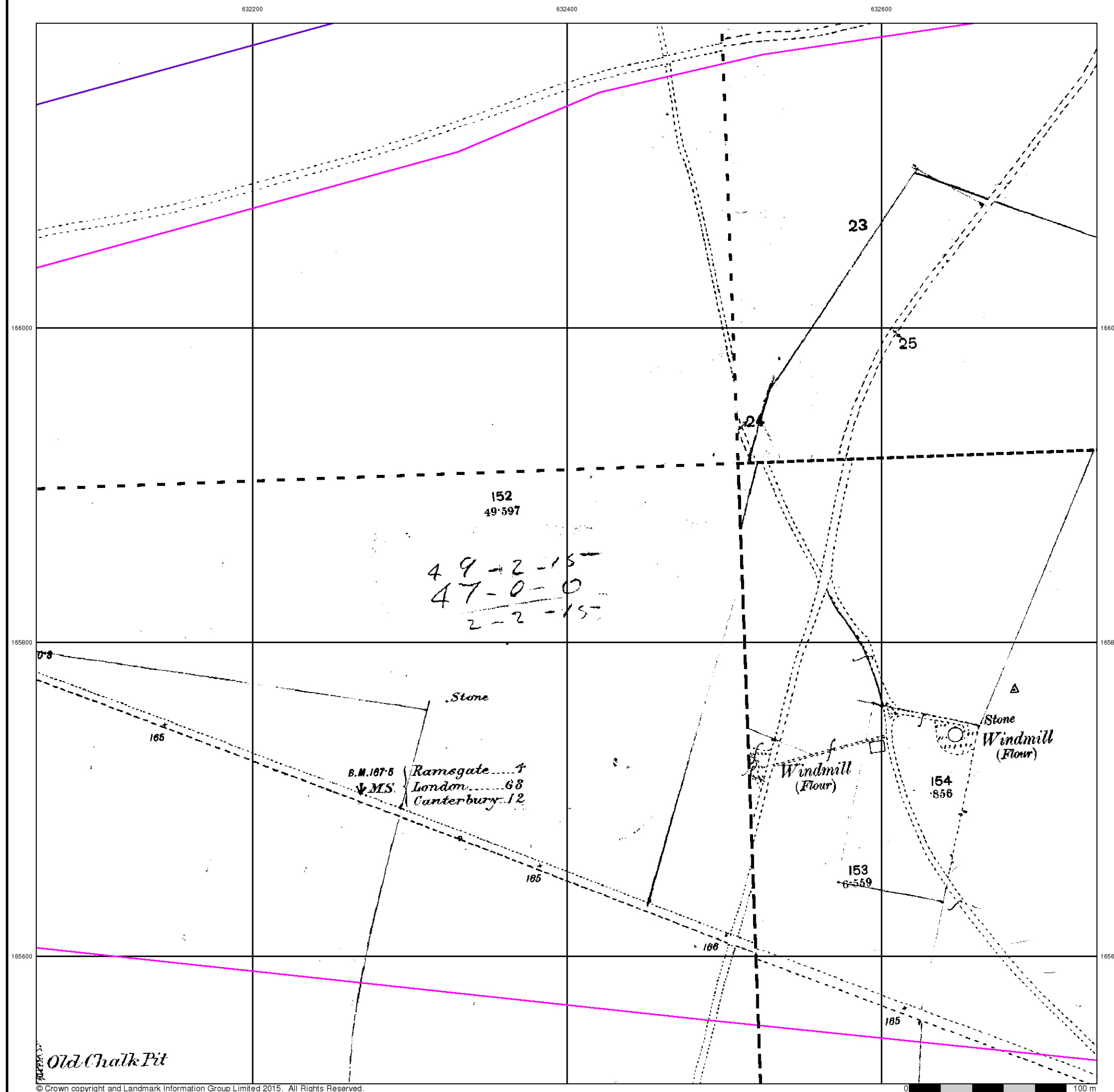


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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Kent

Published 1896

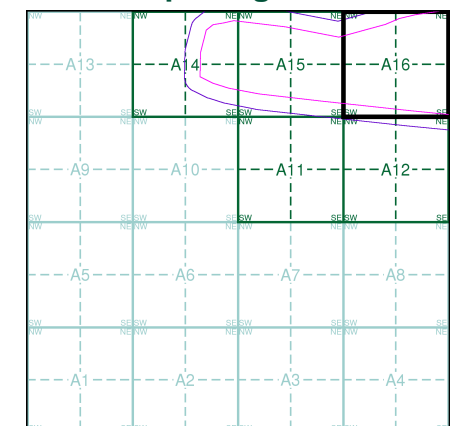
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

025_14 1896 1:2,500	025_15 1896 1:2,500
037_02 1896 1:2,500	037_03 1896 1:2,500

Historical Map - Segment A16

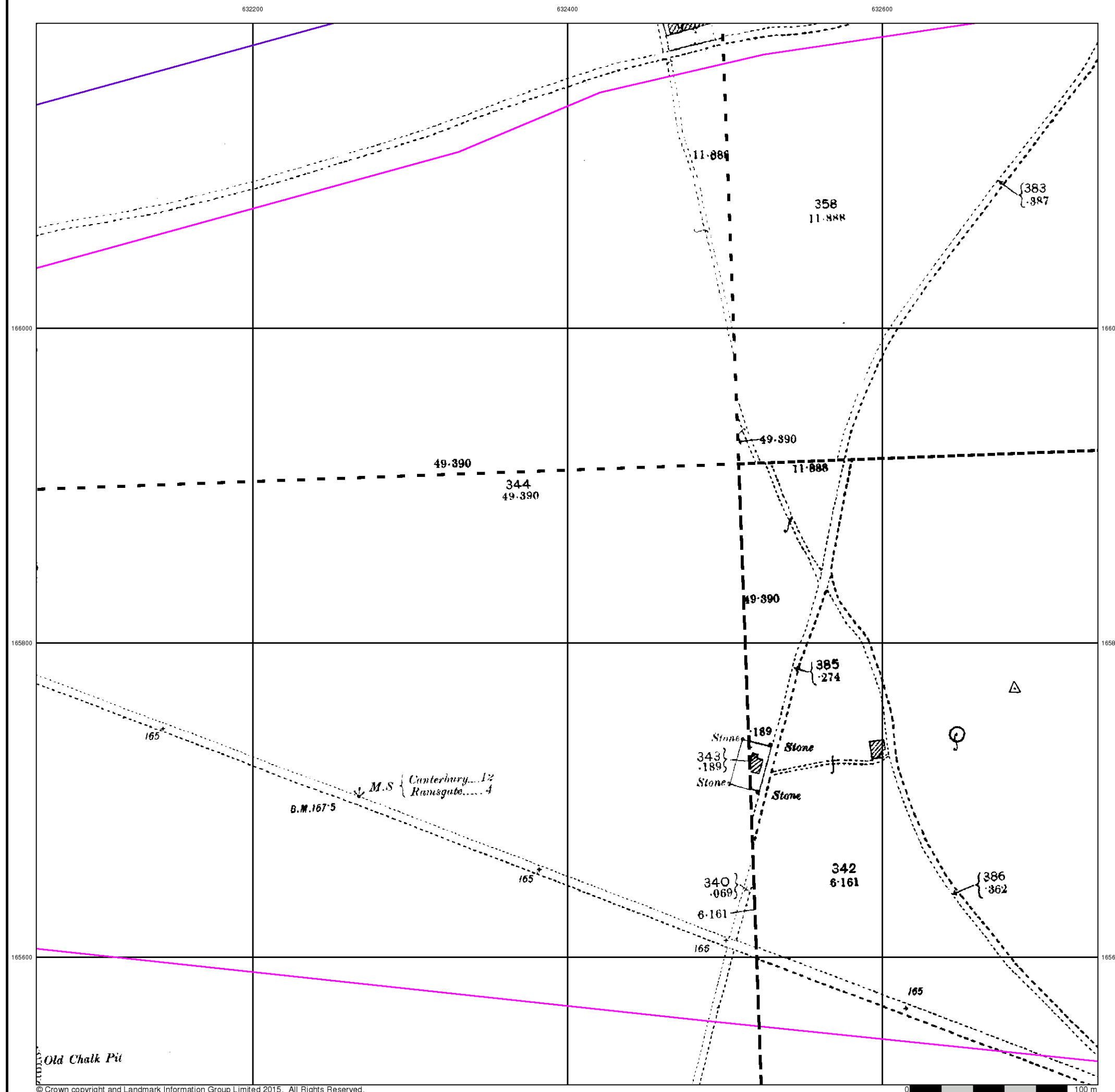


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

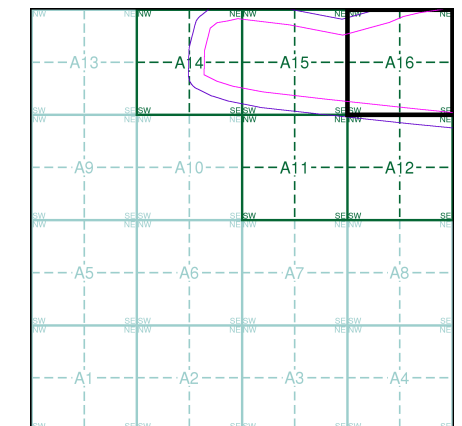
Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL





Map Name(s) and Date(s)

Historical Map - Segment A16



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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Kent

Published 1938 - 1939

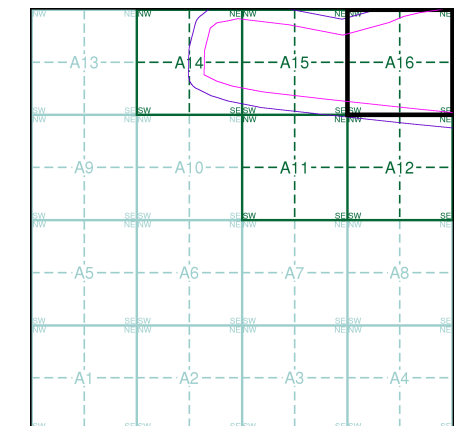
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

025_14 1939 1:2,500	025_15 1939 1:2,500
037_02 1938 1:2,500	037_03 1938 1:2,500

Historical Map - Segment A16

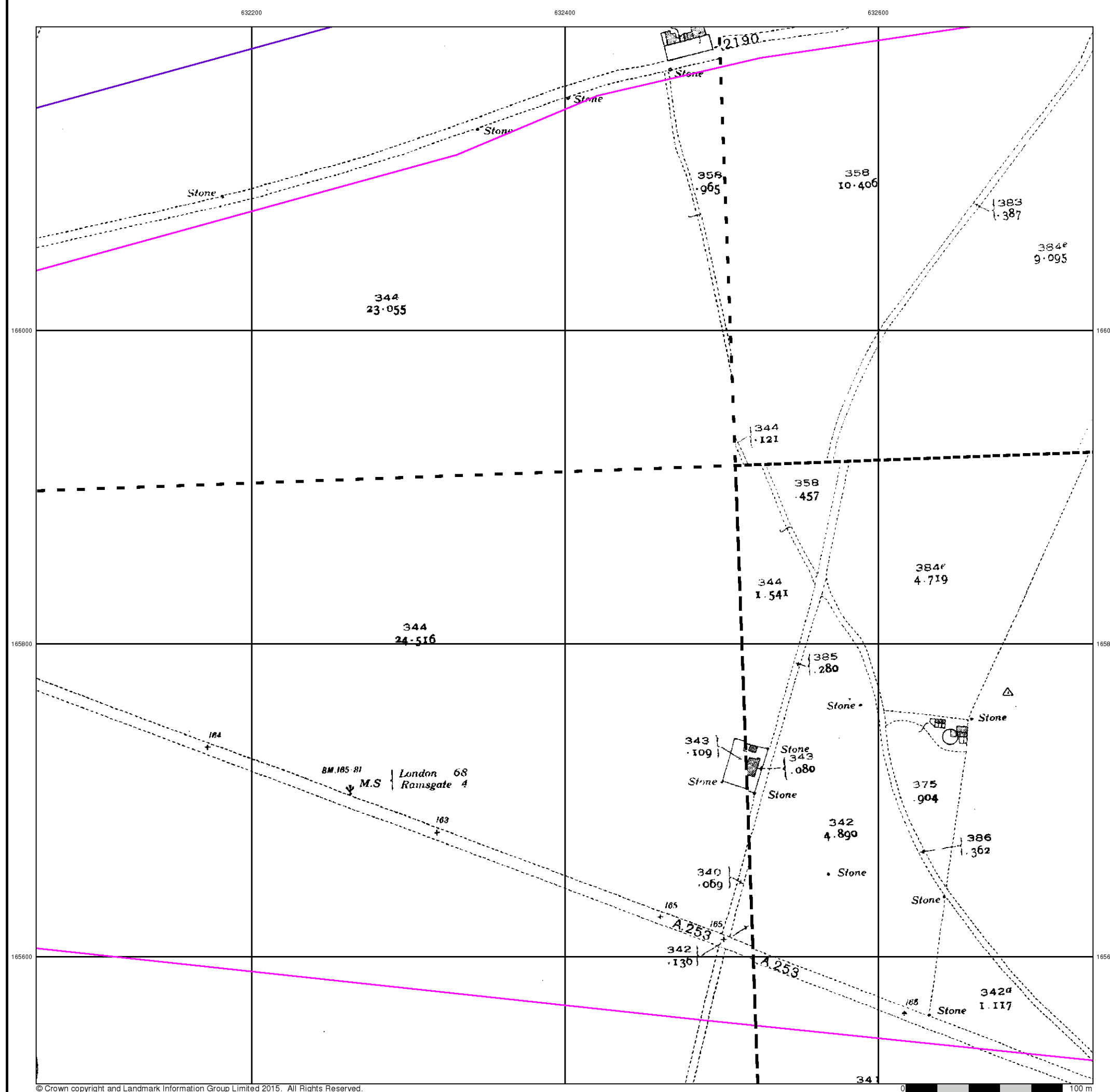


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1963 - 1964

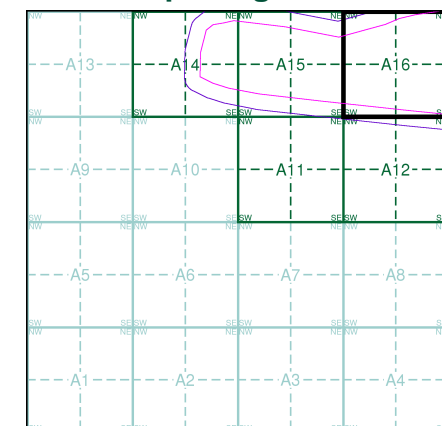
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3266
1964
1:2,500
TR3265
1963
1:2,500

Historical Map - Segment A16

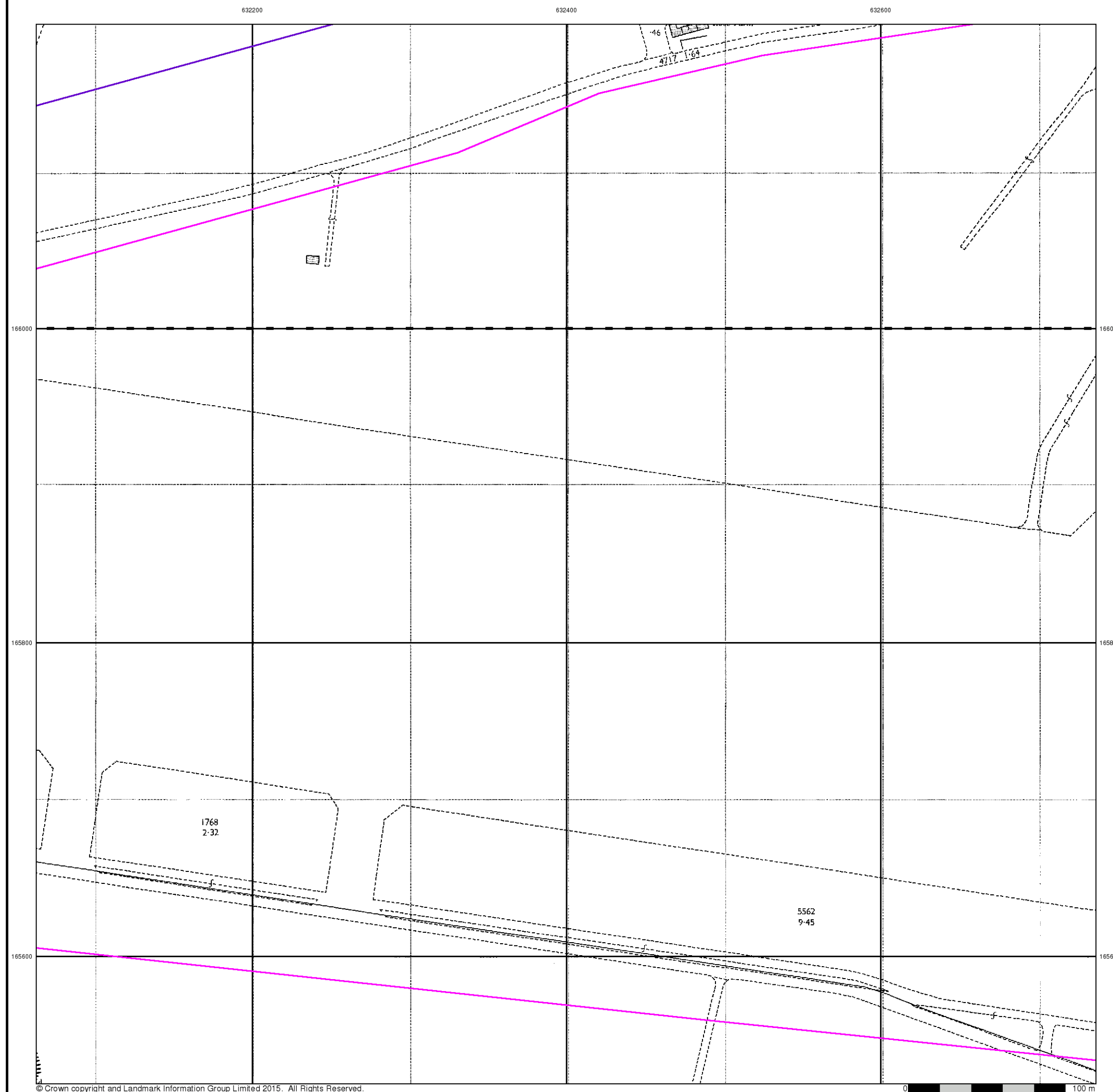


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

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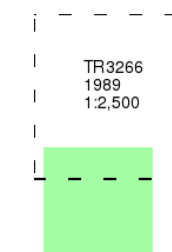
Additional SIMs

Published 1989

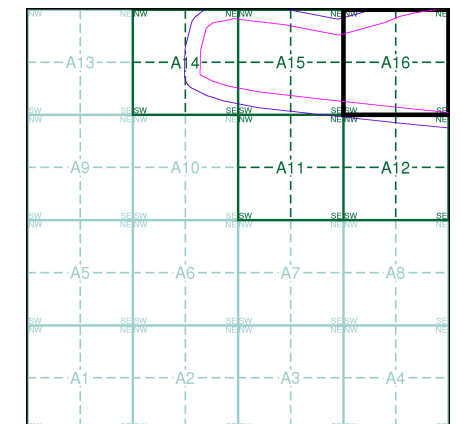
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A16

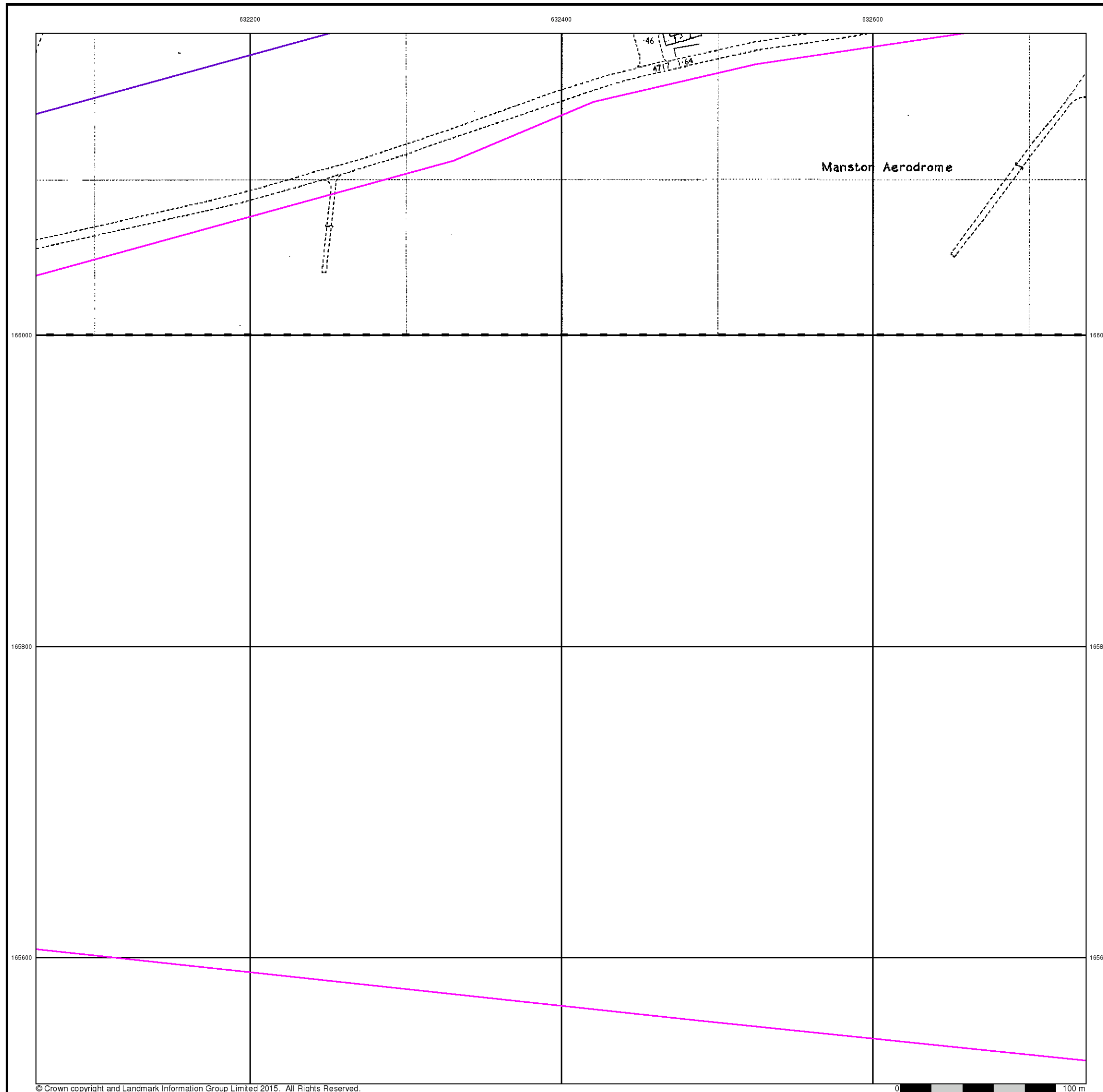


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1993

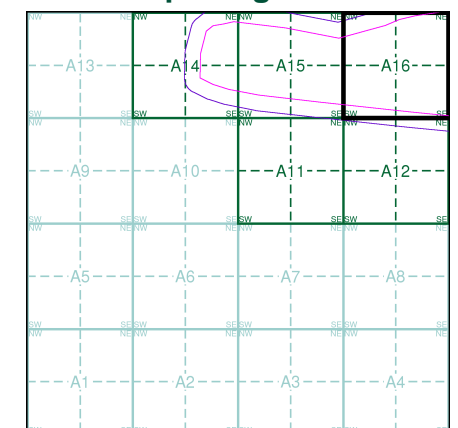
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3266	1993	1:2,500
TR3265	1993	1:2,500

Historical Map - Segment A16

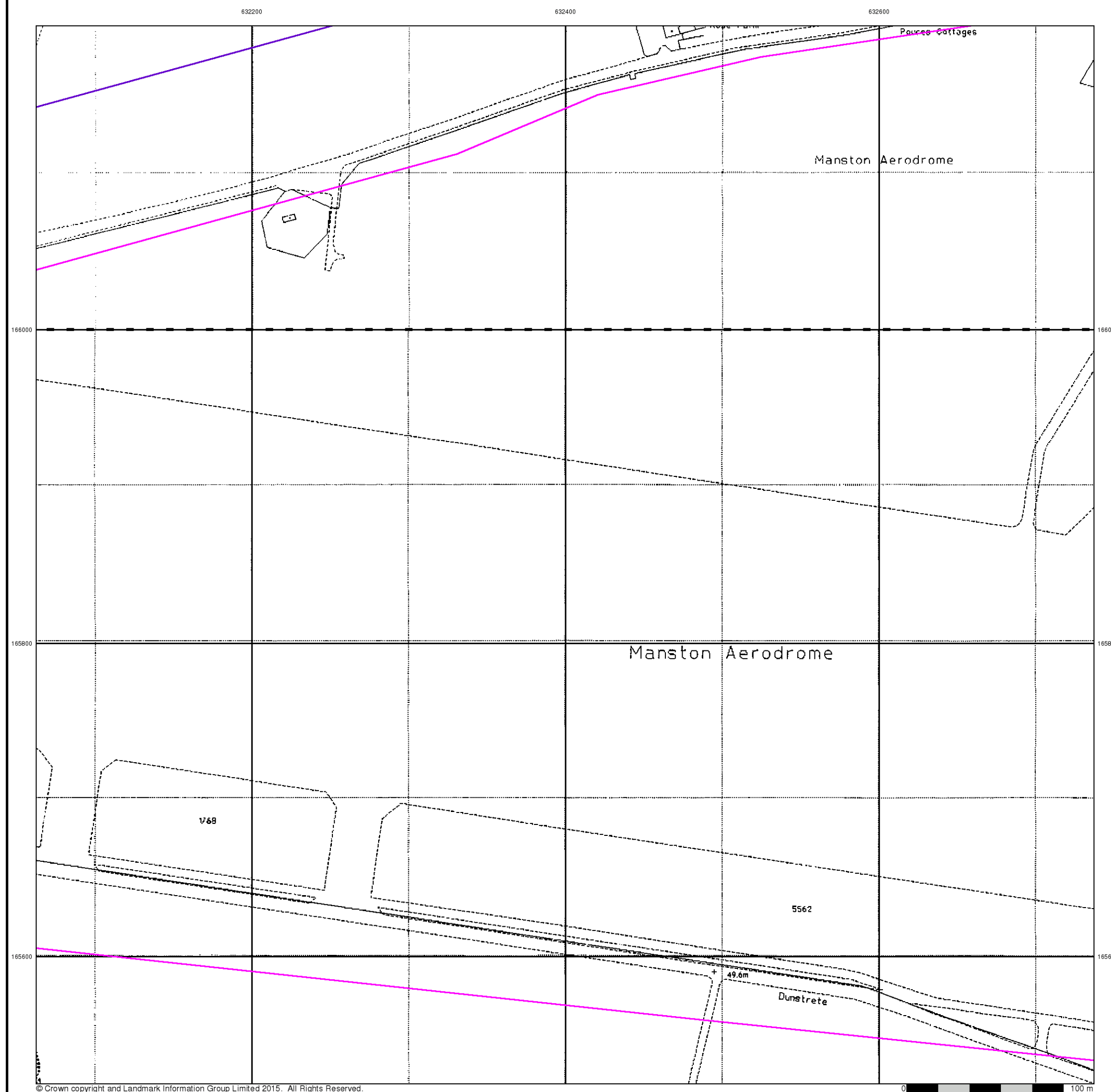


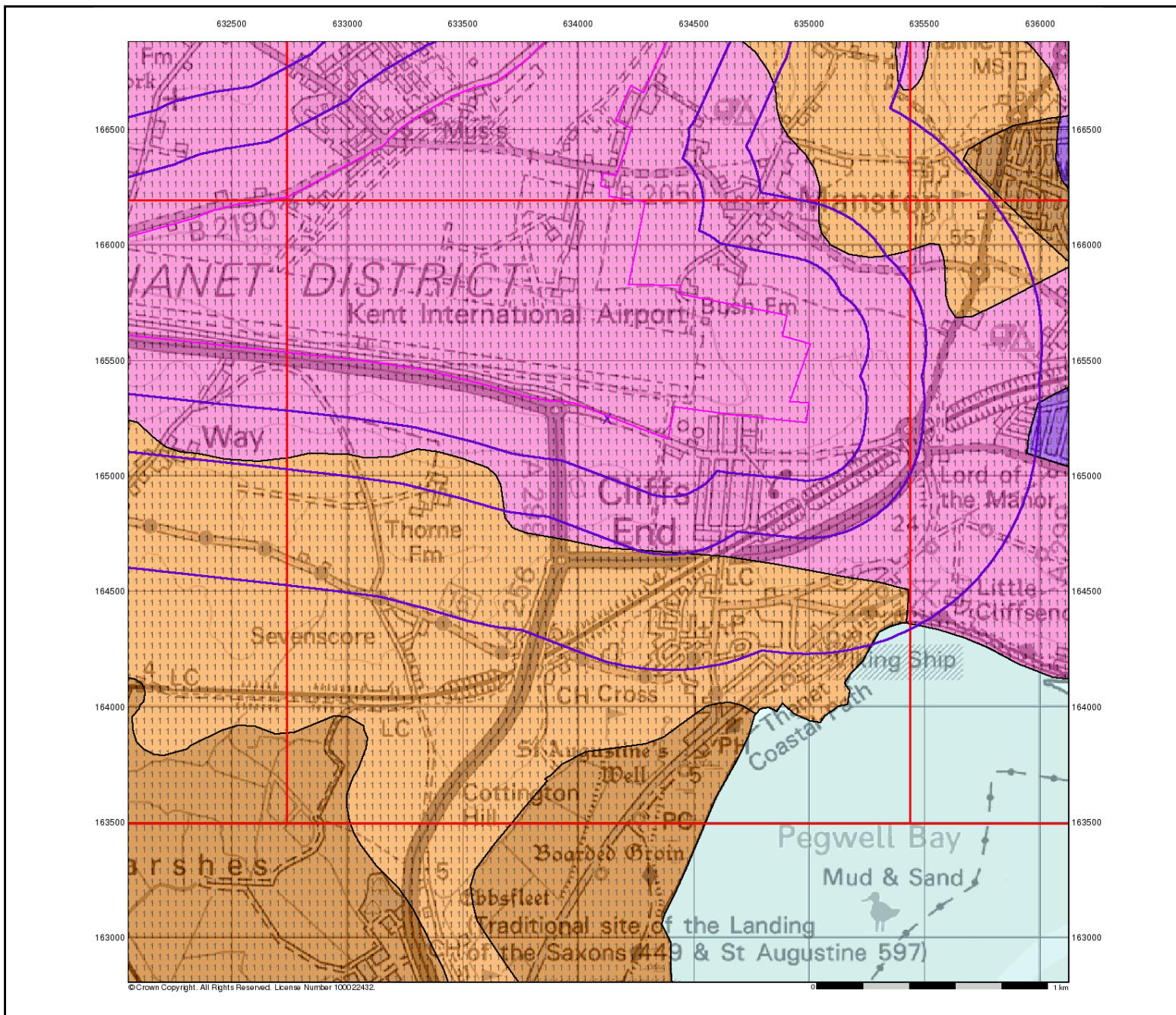
Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 631550, 165460
 Slice: A
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL





Groundwater Vulnerability

General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice B

Order Details

Order Number:	82787389_1.1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

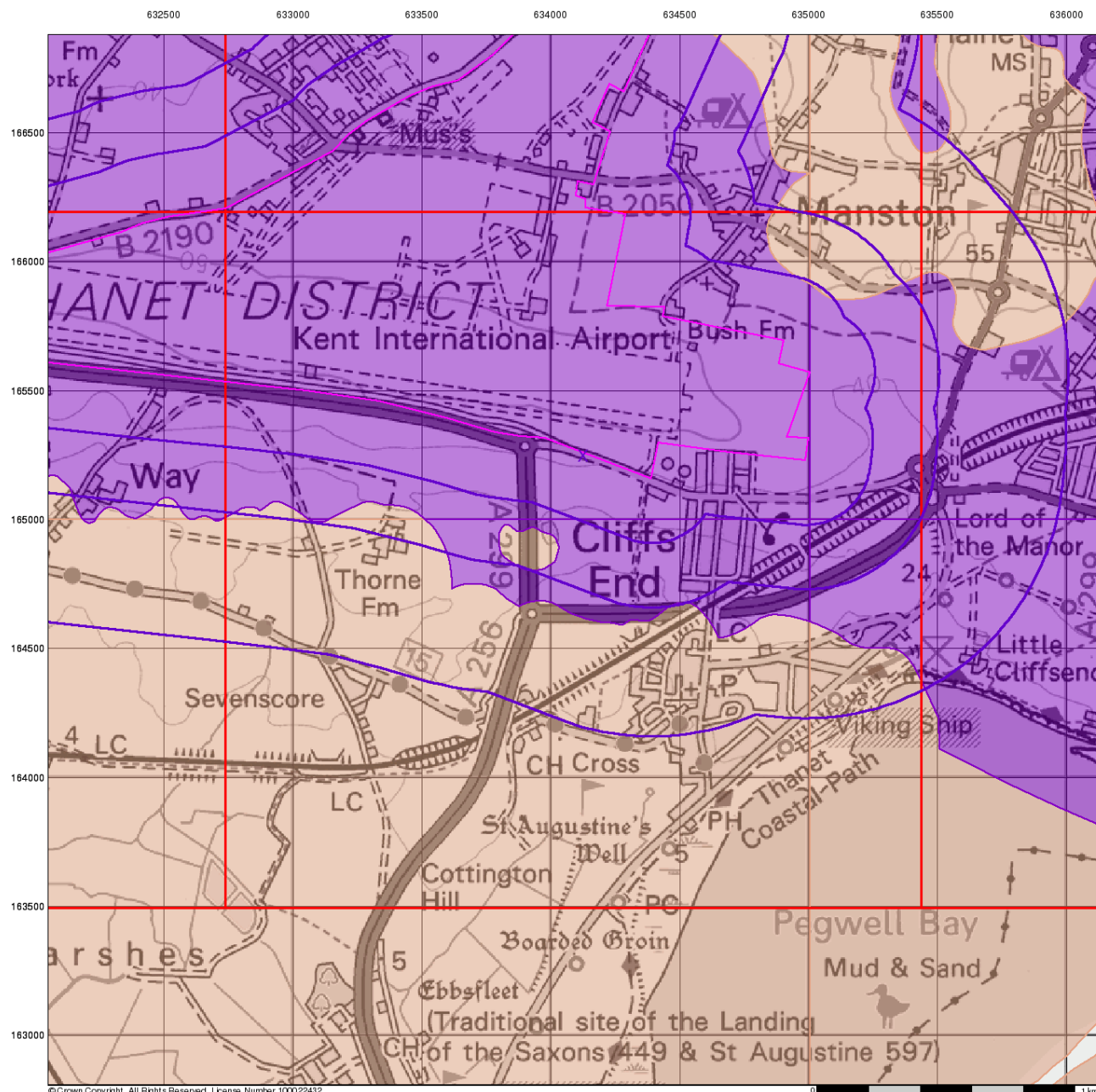
Site Details

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Page 1 of 5



Bedrock Aquifer Designation

General

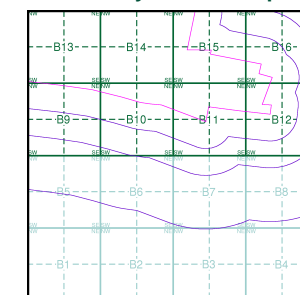
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice B



Order Details

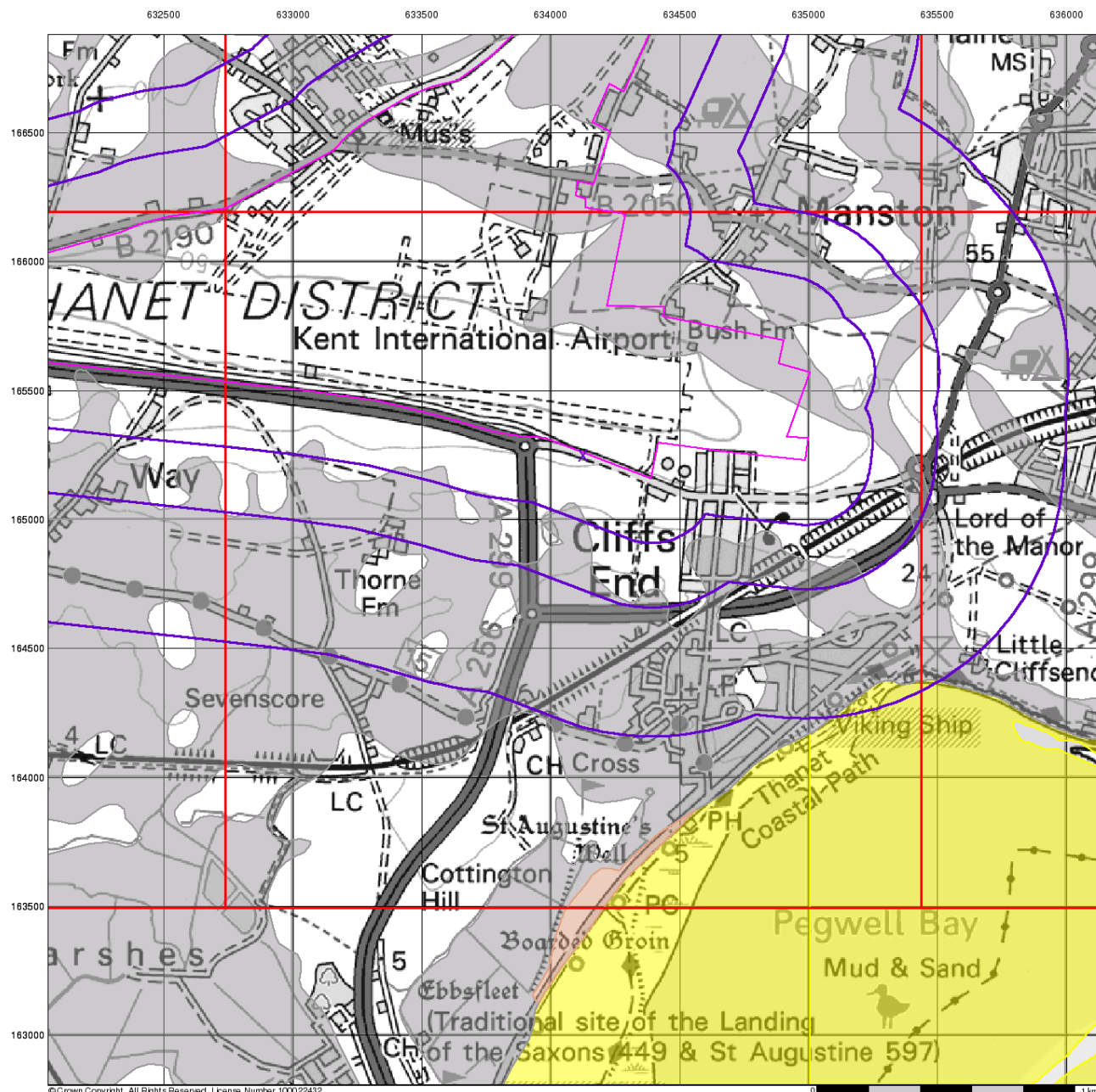
Order Number: 82787389_1.1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

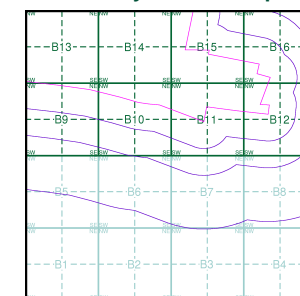
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice B



Order Details

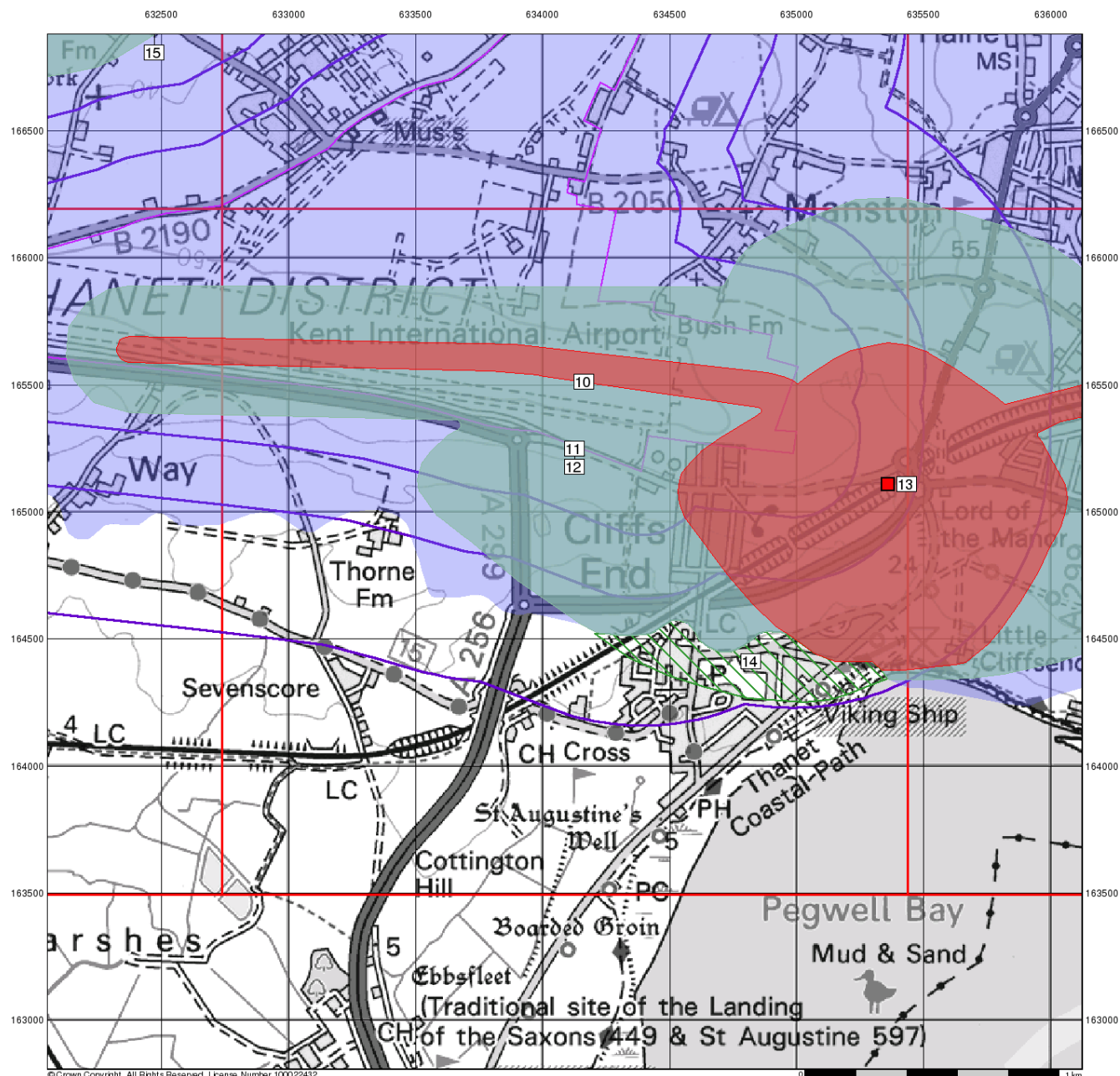
Order Number: 82787389_1.1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

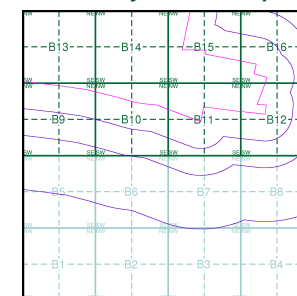
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice B



Order Details

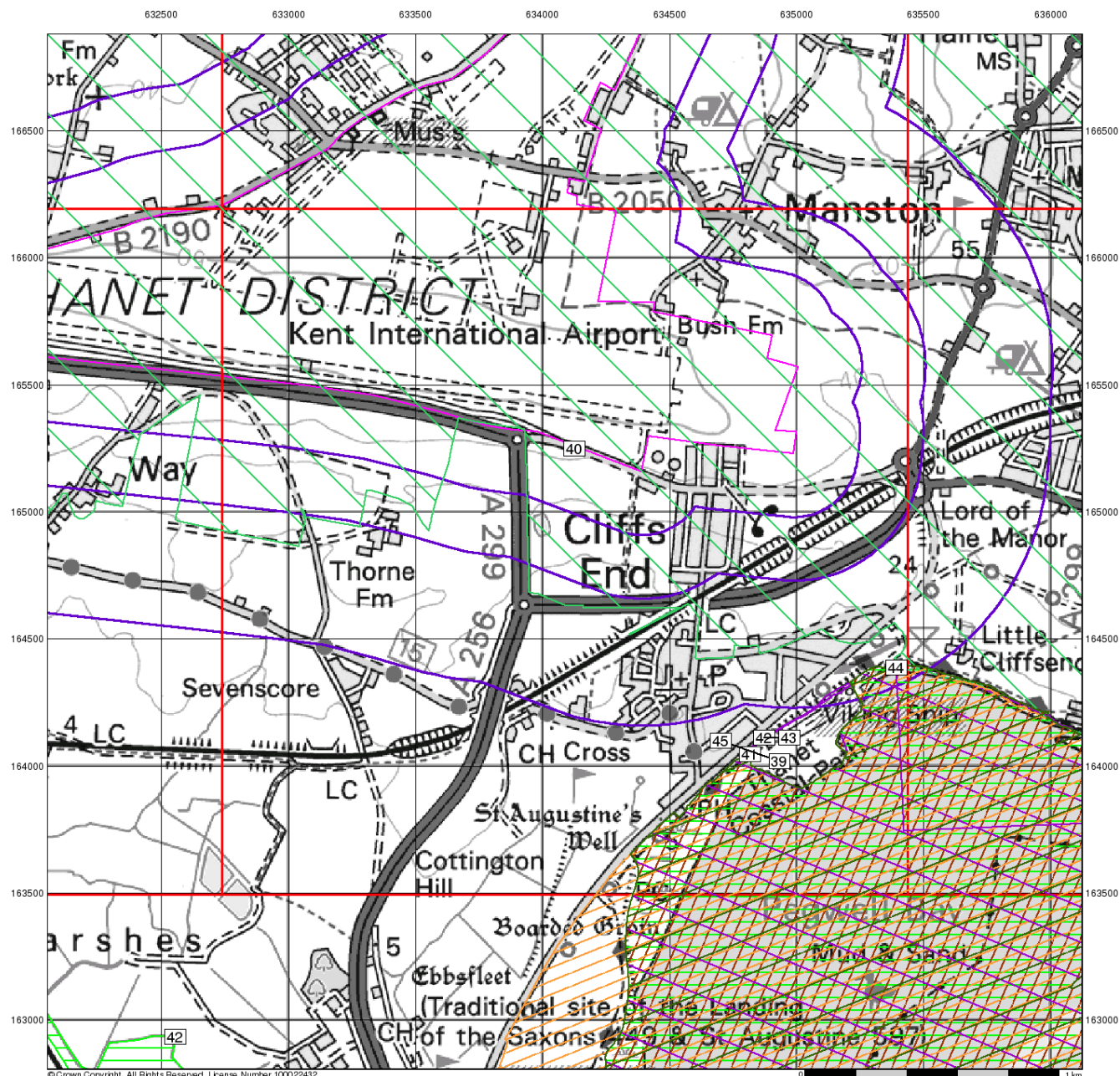
Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

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Sensitive Land Uses

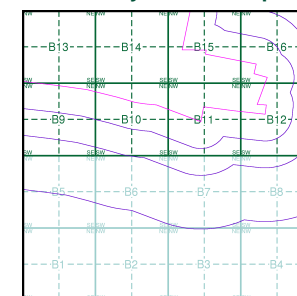
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice B



Order Details

Order Number: 82787389_1.1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

82787389_1_1

Customer Reference:

38199-15

National Grid Reference:

634120, 165250

Slice:

B

Site Area (Ha):

306.39

Search Buffer (m):

1000

Site Details:

Kent International Airport Ltd
Kent International Airport, Manston
RAMSGATE
Kent
CT12 5BL

Client Details:

Ms V Dahmoun
Amec Foster Wheeler E & I UK Ltd
Floor 4
60 London Wall
London
United Kingdom
EC2M 5TQ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	6
Hazardous Substances	-
Geological	8
Industrial Land Use	27
Sensitive Land Use	29
Data Currency	30
Data Suppliers	34
Useful Contacts	35

Introduction

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

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

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Report Version v50.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1	1			2
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1			Yes	
Pollution Incidents to Controlled Waters	pg 1		2	1	2
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2			2	(*6)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 4	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Source Protection Zones	pg 5	3		1	2
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage					n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 6			2	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 6		1		
Local Authority Recorded Landfill Sites	pg 6			2	
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 7		1		
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 8	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 8	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 21			3	
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 21	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 21	1		1	
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 22	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 23	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 25	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 26	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 27		6	4	12
Fuel Station Entries	pg 28		1		
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves	pg 29				1
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 29	1			
Ramsar Sites	pg 29				1
Sites of Special Scientific Interest	pg 29				1
Special Areas of Conservation	pg 29				2
Special Protection Areas	pg 29				1

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: The Modern Jet Support Centre Ltd Property Type: Air Transport Location: Hangar One, Manston Airport, Ramsgate, Kent, Ct12 5bn Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P10757 Permit Version: 1 Effective Date: 27th September 2002 Issued Date: 27th September 2002 Revocation Date: 8th October 2004 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Into Land Environment: Into Land Receiving Water: Into Land Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	B14NE (N)	0	2	633960 166000
2	Discharge Consents Operator: Southern Water Services Ltd (K) Property Type: Sewerage Network - Sewers - Water Company Location: Foads Lane, Ramsgate Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: A00431 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 18th July 1997 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Controlled Sea Environment: Controlled Sea Receiving Water: Controlled Sea Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	B7NE (SE)	506	2	634600 164700
3	Discharge Consents Operator: Southern Water Services Ltd (K) Property Type: Sewerage Network - Sewers - Water Company Location: Cliffsend & Manston Sewerage, Ramsgate, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: K01522 Permit Version: 1 Effective Date: 9th June 1961 Issued Date: 9th June 1961 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	B8SE (SE)	976	2	635160 164270
	Nearest Surface Water Feature	B10SE (SW)	303	-	634002 164984
4	Pollution Incidents to Controlled Waters Property Type: Oil Industry (Not Garages) Location: Jentex, Canterbury Road West, Cliffsend, RAMSGATE Authority: Environment Agency, Southern Region Pollutant: Oils - Kerosene Fuel Oil Note: A Range Of Fuel Tanks Caught Fire Possible Leakage Incident Date: 10th May 1992 Incident Reference: CD/099/92 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B11NE (E)	87	2	634500 165200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Jentex, RAMSGATE Authority: Environment Agency, Southern Region Pollutant: Crude Sewage Note: Beach Oil And Water Worked Into Drains; Miscellaneous Premises: Other Incident Date: 22nd July 1995 Incident Reference: 295203 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Plc Sewage Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B11SE (E)	125	2	634500 165100
6	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Romney Marsh, RUCKINGE, Kent Authority: Environment Agency, Southern Region Pollutant: Oils - Kerosene Fuel Oil Note: Kerosene Leak Incident Date: 31st December 1997 Incident Reference: 297487 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B10SE (SW)	287	2	634001 165001
7	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Foads Lane, Berwick Weald Authority: Environment Agency, Southern Region Pollutant: Oils - Kerosene Fuel Oil Note: Diesel In Stream Incident Date: 7th June 1996 Incident Reference: 296229 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	B8SW (SE)	729	2	635001 164501
8	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewage Treatment Works Location: Clifles End Authority: Environment Agency, Southern Region Pollutant: Oils - Waste Oil Note: Oil Pollution Arriving At Foads Lane Ps (Sewage) Incident Date: 10th August 1992 Incident Reference: CD/161/92 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B8SW (SE)	885	2	634900 164350
9	Water Abstractions Operator: Southern Water Services Ltd Licence Number: 9/40/04/0049/Gr Permit Version: 100 Location: Borehole At Lord Of The Manor Ps Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 14774 Yearly Rate (m3): 4091400 Details: N/A Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 2nd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B12SE (E)	384	2	635350 165100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Water Abstractions Operator: Southern Water Services Plc Licence Number: 4/0049/F/GR Permit Version: Not Supplied Location: Whitehall Pumping Station & , Lord Of The Manor Pumping Station Authority: Environment Agency, Southern Region Abstraction: Public Water Supply Abstraction Type: Not Supplied Source: Pond or Lake Daily Rate (m3): 14774 Yearly Rate (m3): 4091400 Details: Additional Purpose: Public Water Supply Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B12SE (E)	386	2	635350 165095
	Water Abstractions Operator: Edward Spanton Farms Licence Number: 4/0442/ /S Permit Version: Not Supplied Location: CLIFFSEND Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 545 Yearly Rate (m3): 14809.1 Details: Ebbsfleet Stream Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B2SE (S)	1522	2	633930 163710
	Water Abstractions Operator: Edward Spanton Farms Licence Number: 9/40/04/0442/S Permit Version: 100 Location: Points 1-2, Ebbsfleet Stream At Cliffsend. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 545 Yearly Rate (m3): 14809 Details: As Outlined In Red On Licence Map. Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 13th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B2SE (S)	1531	2	633930 163700
	Water Abstractions Operator: Stonelees Golf Centre Licence Number: 09/179 Permit Version: 101 Location: Point A, Drainage Dyke Ne Of B2048, Ebbsfleet Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 20th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B2SE (S)	1649	2	633830 163610

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Stonelees Golf Centre Licence Number: 09/179 Permit Version: 101 Location: Point A, Drainage Dyke Ne Of B2048, Ebbsfleet Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 20th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B2SE (S)	1649	2	633830 163610
	Water Abstractions Operator: Mr R J Chapman Licence Number: 09/179 Permit Version: 100 Location: Point A, Drainage Dyke Ne Of B2048, Ebbsfleet Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 16th May 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B2SE (S)	1649	2	633830 163610
	Water Abstractions Operator: Mr R J Chapman Licence Number: 09/179 Permit Version: 100 Location: Point A, Drainage Dyke Ne Of B2048, Ebbsfleet Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 16th May 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B2SE (S)	1649	2	633830 163610
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 47 East Kent Scale: 1:100,000	B11NW (SE)	0	2	634125 165247
	Drift Deposits Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 47 East Kent Scale: 1:100,000	B11SW (S)	0	2	634090 165066
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	B11NW (SE)	0	3	634125 165247
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	B12NW (E)	0	3	635005 165247
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	B12NW (E)	0	3	635005 165420
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	B15SW (NE)	0	3	634313 165647

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(NW)	0	3	632995 166315
10	Source Protection Zones Name: Lord Of The Manor Source: Environment Agency, Head Office Reference: Su036 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	B11NW (N)	0	2	634163 165512
11	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	B11NW (SE)	0	2	634125 165247
12	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	B11NW (SE)	0	2	634125 165247
13	Source Protection Zones Name: Potgate Farm Source: Environment Agency, Head Office Reference: Ne243 Type: Groundwater Source	B12SE (E)	391	2	635360 165110
14	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone IIc (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater - subsurface activity only.	B7NW (S)	599	2	634207 164519
15	Source Protection Zones Name: Sparrows Castle Source: Environment Agency, Head Office Reference: Su032 Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	(NW)	628	2	632471 166880
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	Detailed River Network Lines None				
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Historical Landfill Sites Licence Holder: A Montgomery Location: Thorne Hill, Cliffs End, Kent Name: Thorne Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19437 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7261 BGS Ref: Not Supplied Other Ref: TH17	B10SW (W)	309	2	633555 165068
17	Historical Landfill Sites Licence Holder: Mr Hoeness Location: Off Foads Hill, Cliffs End, Thanet, Kent Name: Cliffsend Crossing Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19444 First Input Date: 1st January 1976 Last Input Date: 31st December 1988 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7262 BGS Ref: Not Supplied Other Ref: TH18	B7NE (SE)	442	2	634490 164728
18	Licensed Waste Management Facilities (Locations) Licence Number: 19467 Location: Land/ Premises At, Canterbury Road West, Ramsgate, Kent, CT12 5DU Operator Name: Anthony Jenkins Fuel Oil Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, Kent & South London Area Site Category: Physico-chemical Treatment Facilities Licence Status: Issued Issued: 21st May 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	B11SE (E)	155	2	634559 165124
	Local Authority Landfill Coverage Name: Thanet District Council - Has supplied landfill data		0	4	634125 165247
	Local Authority Landfill Coverage Name: Kent County Council - Had landfill data but passed it to the relevant environment agency		0	9	634125 165247
19	Local Authority Recorded Landfill Sites Location: Thorne Farm Reference: TH17 Authority: Thanet District Council, Environmental Health Department Last Reported Status: Open Types of Waste: Non Degradable, Slowly Degradable - Scrap Metal, Putrescible, Hazardous Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	B10SW (W)	315	4	633518 165072
20	Local Authority Recorded Landfill Sites Location: Cliffsend Crossing Reference: TH18 Authority: Thanet District Council, Environmental Health Department Last Reported Status: Closed Types of Waste: Non Degradable, Slowly Degradable - Scrap Metal, Inert Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	B7NE (SE)	450	4	634510 164727

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Registered Waste Treatment or Disposal Sites Licence Holder: Antony Jenkins Fuel Oil Ltd Licence Reference: P/08/09 Site Location: Oil Storage Installation, Canterbury Road West, RAMSGATE, Kent, CT12 5DU Operator Location: As Site Address Authority: Environment Agency - Southern Region, Kent Area Site Category: Transfer - with treatment Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 21st May 1996 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Fuel Oil Kerosene And Derv. Max.Waste Permitted By Licence Mineral Oils Oil/Water Mixtures Vegetable And Other Oils Prohibited Waste: Special Wastes (As In S17 1980) Waste N.O.S.	B11SE (E)	158	2	634560 165120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	B11NW (SE)	0	3	634125 165247
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	(NW)	0	3	632990 166316
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B11NW (SE)	0	3	634125 165247
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B15SE (NE)	0	3	634576 165650
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B14SE (N)	0	3	633978 165739
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B12NW (E)	0	3	635000 165421
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9NW (W)	0	3	633000 165247

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10NE (W)	0	3	634000 165247
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B14NE (N)	0	3	634000 165896
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B15SW (NE)	0	3	634312 165646
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B14NE (N)	0	3	634000 166111
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B15NW (N)	0	3	634125 166000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B13NW (NW)	0	3	633000 166000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B14NE (N)	0	3	634079 166000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B14NE (N)	0	3	634060 166109
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B14NE (N)	0	3	634000 166000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B12NW (E)	2	3	635000 165247
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B16SW (NE)	25	3	635000 165624
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B16SW (NE)	42	3	634910 165749

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B15NE (NE)	50	3	634459 165890
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B16SW (NE)	50	3	634847 165772
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B16SW (NE)	117	3	635000 165763
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B11SW (S)	160	3	634128 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SW (W)	185	3	633621 165085
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B11SW (S)	197	3	634088 165064

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B15NE (NE)	207	3	634551 166000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B12SW (E)	231	3	635000 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B16NW (NE)	232	3	635000 165915
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B16NW (NE)	239	3	634885 165994
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B11SW (S)	243	3	634125 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SW)	246	3	633785 165050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9NW (W)	264	3	633000 165239
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SW)	267	3	634000 165023
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9SW (W)	269	3	632974 165171
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SW)	288	3	634000 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B11SE (SE)	289	3	634533 164905
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B16NW (NE)	294	3	634880 166000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9SW (W)	298	3	632747 165014
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SW)	301	3	633965 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B12NE (E)	312	3	635305 165446
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B16NW (NE)	319	3	635000 166000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B16NW (NE)	330	3	635058 166000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SW)	332	3	633802 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9SW (W)	334	3	633000 165168
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9SE (W)	335	3	633228 165046
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (S)	338	3	634000 164946
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9SW (W)	338	3	632875 165039
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SW)	340	3	633997 164942
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B16NW (NE)	341	3	635045 166013

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (S)	344	3	634000 164941
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SW (SW)	345	3	633718 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SW)	368	3	633806 164964
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (S)	371	3	634025 164902
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SW (W)	374	3	633508 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (S)	385	3	634000 164896

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B8NW (SE)	391	3	635000 164840
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B6NE (S)	402	3	633996 164680
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SW)	418	3	633794 164915
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9SW (W)	440	3	632961 165063
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9SW (W)	443	3	633000 165042
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9SW (W)	459	3	633058 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B7NE (SE)	460	3	634688 164715
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9SW (W)	475	3	632824 165046
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9SE (W)	482	3	633135 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B7NE (SE)	495	3	634449 164660
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B9SW (W)	501	3	633000 165000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B6NE (S)	503	3	634000 164678

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SW (SW)	533	3	633519 164844
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B6NE (SW)	577	3	633817 164751
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B16NE (NE)	587	3	635407 166000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B6NE (SW)	604	3	633784 164729
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B7NE (SE)	607	3	634717 164562
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B8NW (SE)	620	3	635000 164611

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B8NW (SE)	626	3	635000 164604
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B8NW (SE)	632	3	635014 164599
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B7SE (SE)	790	3	634730 164431
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B6NW (SW)	800	3	633584 164557
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B8SW (SE)	908	3	635000 164170
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B8SE (SE)	963	3	635434 164376

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	BGS Recorded Mineral Sites Site Name: Thorne Chalk Pit Location: , Cliffs End, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132297 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Margate Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	B10SW (W)	336	3	633474 165077
23	BGS Recorded Mineral Sites Site Name: Thorne Chalk Pit Location: , Cliffs End, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132301 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Margate Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	B10SE (SW)	340	3	633980 164952
24	BGS Recorded Mineral Sites Site Name: Cliffsend Crossing Chalk Pit Location: , Cliffs End, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132300 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Margate Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	B7NE (SE)	474	3	634550 164714
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	B11NE (NE)	0	-	634500 165500
	Man-Made Mining Cavities Easting: 634400 Northing: 165700 Distance: 0 Quadrant Reference: B15 Quadrant Reference: SW Bearing Ref: NE Cavity Type: Adit Entry Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology: No Details Detail:	B15SW (NE)	0	5	634400 165700
	Man-Made Mining Cavities Easting: 635000 Northing: 166000 Distance: 319 Quadrant Reference: B16 Quadrant Reference: NW Bearing Ref: NE Cavity Type: Reference to Deneholes Commodity: Chalk Solid Geology Detail: Thanet Sand Formation, Chalk Group Superficial Geology: Head Brickearth Detail:	B16NW (NE)	319	5	635000 166000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	B11NW (NE)	0	3	634192 165402
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165247
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	31	3	635000 165625
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	50	3	634995 165636
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	69	3	634885 165994
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	81	3	635041 165655
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	110	3	635000 165121
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634125 165000
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	232	3	635000 165915
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(NW)	0	3	632990 166316
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B15SW (NE)	0	3	634312 165646
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165421
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	2	3	635000 165247
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10SW (W)	13	3	633621 165085
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	25	3	635000 165624
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	42	3	634910 165749
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B15NE (NE)	50	3	634459 165890
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634128 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	197	3	634088 165064
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	243	3	634125 165000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	246	3	633785 165050
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165247
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634125 165000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B15SE (NE)	0	3	634697 165819
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165247
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	38	3	635000 165613
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	40	3	635000 165624
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	42	3	634910 165749
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B15NE (NE)	50	3	634614 165906
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	69	3	634885 165994
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	74	3	634984 165670
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	75	3	635000 165654
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	102	3	635029 165675
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	117	3	635000 165763
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	127	3	634053 165055

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SW (SE)	160	3	634300 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	172	3	634128 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	182	3	634107 165042
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B10SW (W)	185	3	633621 165085
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	211	3	634079 165049
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	232	3	635000 165915
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	243	3	634125 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	246	3	633785 165050
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	3	632990 166316
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B15SW (NE)	0	3	634312 165646
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165421
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	2	3	635000 165247
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SW (W)	13	3	633621 165085
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	25	3	635000 165624
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	42	3	634910 165749
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B15NE (NE)	50	3	634459 165890
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634128 165000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	197	3	634088 165064
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	243	3	634125 165000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	246	3	633785 165050
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165247
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634125 165000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	3	632990 166316
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B15SW (NE)	0	3	634312 165646
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165421
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	2	3	635000 165247
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B10SW (W)	13	3	633621 165085
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	25	3	635000 165624
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	42	3	634910 165749
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B15NE (NE)	50	3	634459 165890
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634128 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	197	3	634088 165064
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	243	3	634125 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	246	3	633785 165050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B15SW (N)	0	3	634255 165574
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	0	3	633855 165099
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635005 165324
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B15SW (N)	0	3	634255 165574
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	0	3	633855 165099
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635005 165324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Contemporary Trade Directory Entries Name: Industrial Oil Services Location: Canterbury Rd West, Cliffsend, Ramsgate, Kent, CT12 5DU Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	B11SE (E)	58	-	634436 165124
25	Contemporary Trade Directory Entries Name: Jentex Petroleum Ltd Location: Canterbury Road West, Cliffsend, Ramsgate, Kent, CT12 5DU Classification: Oil Fuel Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	B11SE (E)	61	-	634449 165143
25	Contemporary Trade Directory Entries Name: Antony Jenkins Fuel Oils Ltd Location: Canterbury Road West, Cliffsend, Ramsgate, Kent, CT12 5DU Classification: Oil Fuel Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	B11SE (E)	61	-	634449 165143
26	Contemporary Trade Directory Entries Name: Jentex Location: Canterbury Road West, Cliffsend, Ramsgate, Kent, CT12 5DU Classification: Oil Fuel Distributors Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	B11SE (SE)	82	-	634438 165094
27	Contemporary Trade Directory Entries Name: Manna Hutte Service Station Location: 9, Canterbury Road West, Cliffsend, Ramsgate, Kent, CT12 5DY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	B11SE (E)	171	-	634647 165096
27	Contemporary Trade Directory Entries Name: Manna Hutte Service Station Location: 9, Canterbury Road West, Cliffsend, Ramsgate, Kent, CT12 5DY Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	B11SE (E)	173	-	634644 165094
28	Contemporary Trade Directory Entries Name: Abate Location: 28, High Street, Manston, Ramsgate, Kent, CT12 5BG Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	B15NE (NE)	294	-	634690 166037
29	Contemporary Trade Directory Entries Name: Dormy Heating Systems Location: 15, Sea View Road, Cliffsend, Ramsgate, Kent, CT12 5EH Classification: Under Floor Heating Status: Inactive Positional Accuracy: Automatically positioned to the address	B11SE (SE)	310	-	634732 164947
30	Contemporary Trade Directory Entries Name: Mobile Trailer Hire Services Location: The Cheviots, Manston Road, Manston, Ramsgate, Kent, CT12 5BE Classification: Trailers & Towing Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	B16NW (NE)	378	-	634992 166063
31	Contemporary Trade Directory Entries Name: Aviation Management Location: 4, Daigor Lane, Manston, Ramsgate, Kent, CT12 5BY Classification: Aviation Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	B16NW (NE)	384	-	634777 166112
32	Contemporary Trade Directory Entries Name: Bel-Air Packaging Ltd Location: Unit 5 Thorne Farm, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	B9SE (SW)	508	-	633388 164922
32	Contemporary Trade Directory Entries Name: Bubble Factory & Converters Ltd Location: Unit 5, Thorne Farm, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	B9SE (SW)	508	-	633388 164922

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	Contemporary Trade Directory Entries Name: Systematics (Thanet) Ltd Location: Unit 3, Thorne Farm House, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	B9SE (SW)	532	-	633361 164904
32	Contemporary Trade Directory Entries Name: Challis Location: Unit 8, Thorne Farm House, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Rubber & Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	B9SE (SW)	533	-	633332 164910
32	Contemporary Trade Directory Entries Name: P M G Fabrication Location: Unit 8, Thorne Farm, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Tungsten Tool Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	B9SE (SW)	533	-	633332 164910
33	Contemporary Trade Directory Entries Name: J & K Frames Location: Unit 2, Thorne Farm, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Seating Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	B10SW (SW)	512	-	633421 164910
34	Contemporary Trade Directory Entries Name: Laybell Design Ltd Location: Thorne Farm House, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	B5NE (SW)	612	-	633301 164836
34	Contemporary Trade Directory Entries Name: R & R Welding Location: Thorne Farm House, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Wrought Ironwork Status: Inactive Positional Accuracy: Automatically positioned to the address	B5NE (SW)	612	-	633301 164836
34	Contemporary Trade Directory Entries Name: Sincro Location: Unit 4, Thorne Farm, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	B5NE (SW)	632	-	633284 164820
35	Contemporary Trade Directory Entries Name: Atlas Scaffolding Location: 2, Cliffsend Farm Cottages, Cliffsend Road, Cliffsend, Ramsgate, Kent, CT12 5JG Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address	B8SW (SE)	806	-	634862 164434
36	Contemporary Trade Directory Entries Name: Countrywide Property Care Location: 61, Sandwich Road, Cliffsend, Ramsgate, Kent, CT12 5HY Classification: Damp & Dry Rot Control Status: Active Positional Accuracy: Automatically positioned to the address	B8SW (SE)	981	-	634951 164250
37	Contemporary Trade Directory Entries Name: Zebredellas Location: 3, Lavender Lane, Ramsgate, Kent, CT12 5LJ Classification: Jewellery Manufacturers & Repairers Status: Active Positional Accuracy: Automatically positioned to the address	B7SW (S)	989	-	634138 164204
38	Fuel Station Entries Name: Manna Hutte Service Station Location: 9 Canterbury Road West, King Arthur Road, RAMSGATE, Kent, CT12 5DY Brand: Unbranded Premises Type: Petrol Station Status: Closed Positional Accuracy: Manually positioned to the address or location	B11SE (E)	182	-	634640 165086

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	National Nature Reserves Name: Sandwich & Pegwell Bay Multiple Areas: Y Total Area (m2): 6293106.5 Source: Natural England Reference: 1007228 Designation Date: Not Supplied	B4NW (SE)	900	6	634817 164058
40	Nitrate Vulnerable Zones Name: Not Supplied Description: Groundwater Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	B11NW (SE)	0	7	634125 165247
41	Ramsar Sites Name: Thanet Coast & Sandwich Bay Multiple Areas: Y Total Area (m2): 21821338.06 Source: Natural England Reference: UK11070 Designation Date: Not Supplied	B4NW (SE)	900	6	634817 164058
42	Sites of Special Scientific Interest Name: Sandwich Bay To Hacklinge Marshes Multiple Areas: Y Total Area (m2): 17901009.98 Source: Natural England Reference: 1001128 Designation Details: Local Wildlife Site Designation Date: 28th June 1993 Date Type: Notified Designation Details: National Nature Reserve Designation Date: 28th June 1993 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 28th June 1993 Date Type: Notified Designation Details: Special Protection Area Designation Date: 28th June 1993 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 28th June 1993 Date Type: Notified Designation Details: National Trust Reserve Designation Date: 28th June 1993 Date Type: Notified Designation Details: Ramsar Site Designation Date: 28th June 1993 Date Type: Notified Designation Details: Nature Conservation Review Designation Date: 28th June 1993 Date Type: Notified Designation Details: Geological Conservation Review Designation Date: 28th June 1993 Date Type: Notified Designation Details: Local Nature Reserve Designation Date: 28th June 1993 Date Type: Notified	B4NW (SE)	900	6	634872 164111
43	Special Areas of Conservation Name: Sandwich Bay Multiple Areas: N Total Area (m2): 11366986.85 Source: Natural England Reference: UK0013077 Status: Designated	B4NW (SE)	900	6	634872 164111
44	Special Areas of Conservation Name: Thanet Coast Multiple Areas: Y Total Area (m2): 28159852.32 Source: Natural England Reference: UK0013107 Status: Designated	B8SE (SE)	935	6	635393 164388
45	Special Protection Areas Name: Thanet Coast & Sandwich Bay Multiple Areas: Y Total Area (m2): 18812616.56 Source: Natural England Reference: UK9012071 Designation Date: Not Supplied	B4NW (SE)	900	6	634817 164058

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Thanet District Council - Environmental Health Department Dover District Council - Environmental Health Department	April 2014 January 2015	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Southern Region	January 2016	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Southern Region	January 2016	Quarterly
Local Authority Integrated Pollution Prevention And Control Thanet District Council - Environmental Health Department Dover District Council - Environmental Health Department	April 2014 June 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Thanet District Council - Environmental Health Department Dover District Council - Environmental Health Department	April 2014 June 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Thanet District Council - Environmental Health Department Dover District Council - Environmental Health Department	April 2014 June 2014	Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Southern Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Southern Region	March 2013	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	January 2016 January 2016	Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	January 2016	Quarterly
Water Industry Act Referrals Environment Agency - Southern Region	January 2016	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	January 2015	As notified
Source Protection Zones Environment Agency - Head Office	January 2016	Quarterly

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2016	Quarterly
Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	March 2016	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	February 2016 February 2016	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	January 2016 January 2016 January 2016	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Dover District Council - Environmental Health Department Kent County Council - Waste Management Group Thanet District Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Dover District Council - Environmental Health Department Kent County Council - Waste Management Group Thanet District Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	February 2016	Bi-Annually
Explosive Sites Health and Safety Executive	February 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Thanet District Council Dover District Council - Planning Department Kent County Council	February 2016 January 2016 January 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Thanet District Council Dover District Council - Planning Department Kent County Council	February 2016 January 2016 January 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2015	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2015	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2015	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Outstanding Natural Beauty Natural England	October 2015	Bi-Annually
Environmentally Sensitive Areas Natural England	October 2015	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	October 2015	Bi-Annually
Marine Nature Reserves Natural England	October 2015	Bi-Annually
National Nature Reserves Natural England	October 2015	Bi-Annually
National Parks Natural England	March 2016	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	October 2015	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2015	Bi-Annually
Special Areas of Conservation Natural England	October 2015	Bi-Annually
Special Protection Areas Natural England	October 2015	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	Thanet District Council - Environmental Health Department Council Offices, Cecil Street, Margate, Kent, CT9 1XZ	Telephone: 01843 577000 Fax: 01843 290906 Website: www.thanet.gov.uk
5	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
6	Natural England Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
8	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
9	Kent County Council - Waste Management Group Block H, The Forstal, Beddow Way, Aylesford, Kent, ME20 7BT	Telephone: 01622 605976 Website: www.kent.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

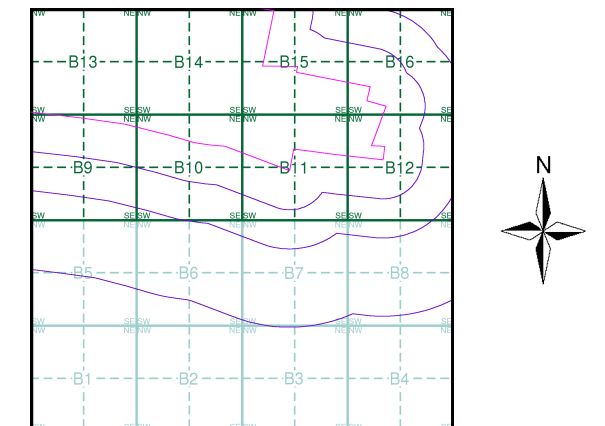
1:10,000 Raster Mapping

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

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:10,560	1877	2
Kent	1:10,560	1899	3
Kent	1:10,560	1908	4
Kent	1:10,560	1908	5
Kent	1:10,560	1931	6
Kent	1:10,560	1931	7
Kent	1:10,560	1938	8
Historical Aerial Photography	1:10,560	1945 - 1949	9
Historical Aerial Photography	1:10,560	1947 - 1949	10
Kent	1:10,560	1948 - 1951	11
Ordnance Survey Plan	1:10,000	1960 - 1962	12
Ordnance Survey Plan	1:10,000	1968 - 1969	13
Ordnance Survey Plan	1:10,000	1973 - 1977	14
Ordnance Survey Plan	1:10,000	1979	15
Ordnance Survey Plan	1:10,000	1982	16
Ordnance Survey Plan	1:10,000	1990 - 1995	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2016	19

Historical Map - Slice B



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL

Kent

Published 1877

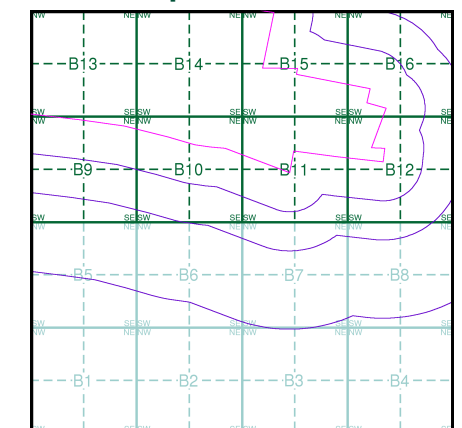
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

02500
1877
1:10,560
03700
1877
1:10,560

Historical Map - Slice B

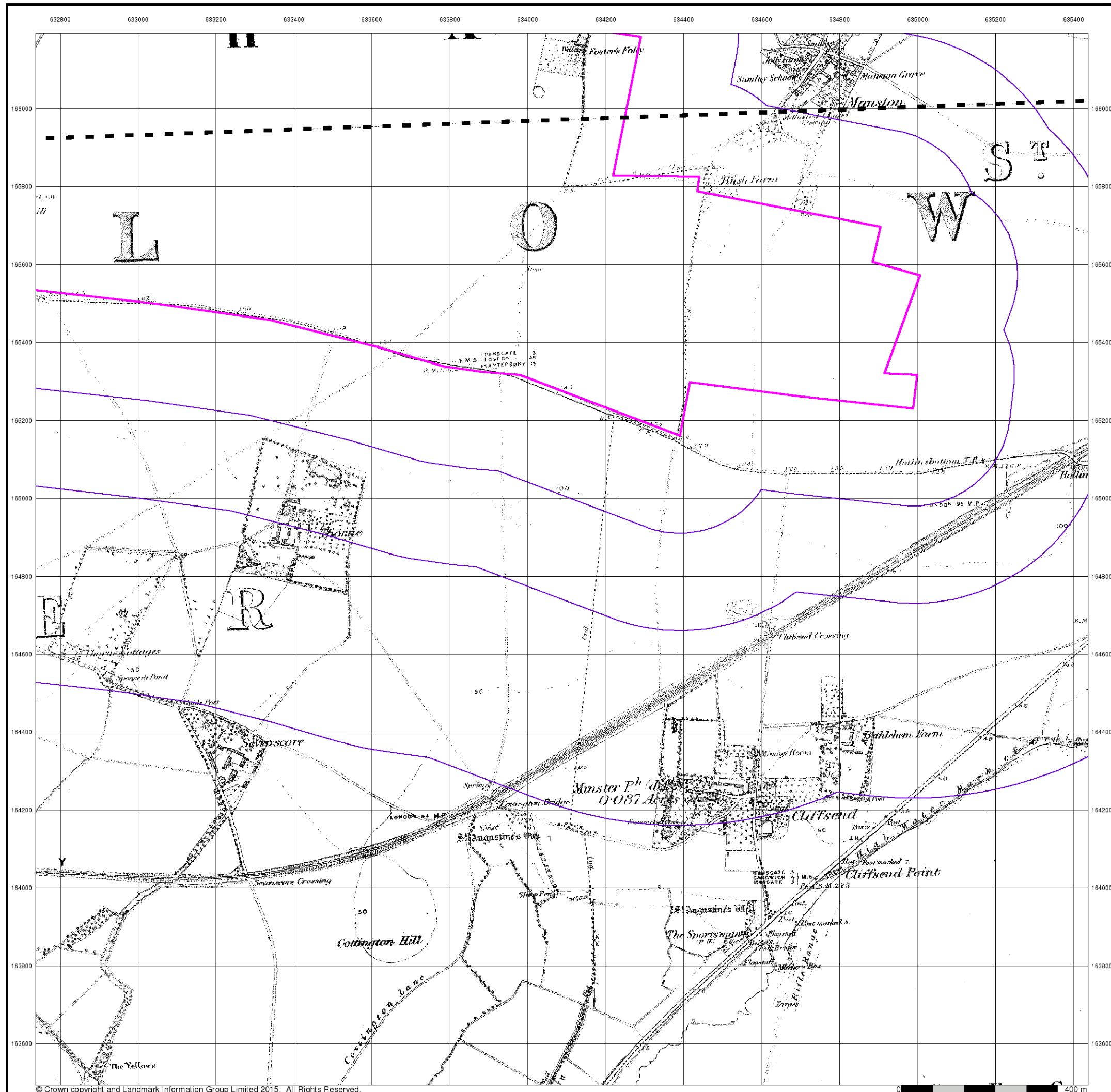


Order Details

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 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



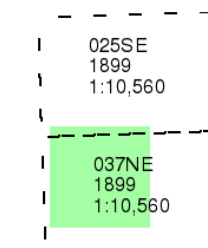
Kent

Published 1899

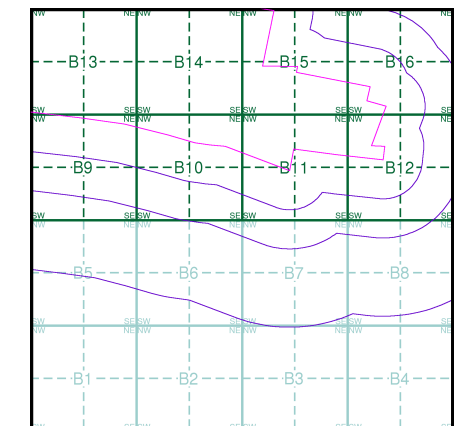
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice B

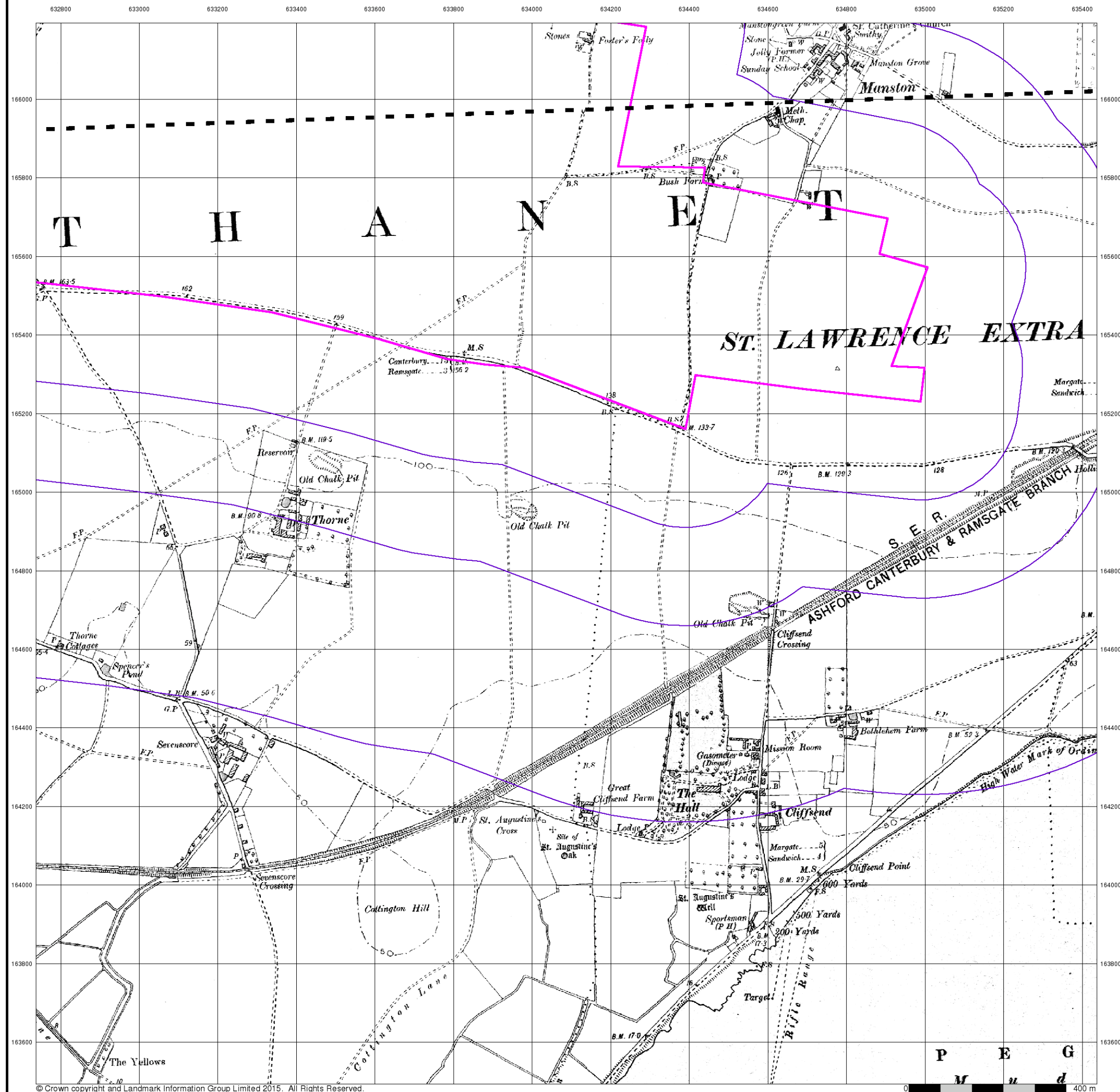


Order Details

Order Number: 82787389_1_1
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National Grid Reference: 634120, 165250
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Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



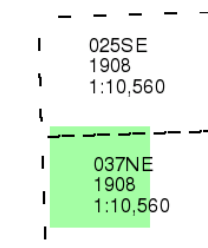
Kent

Published 1908

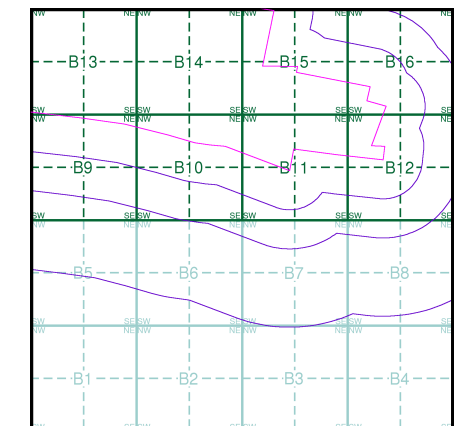
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice B

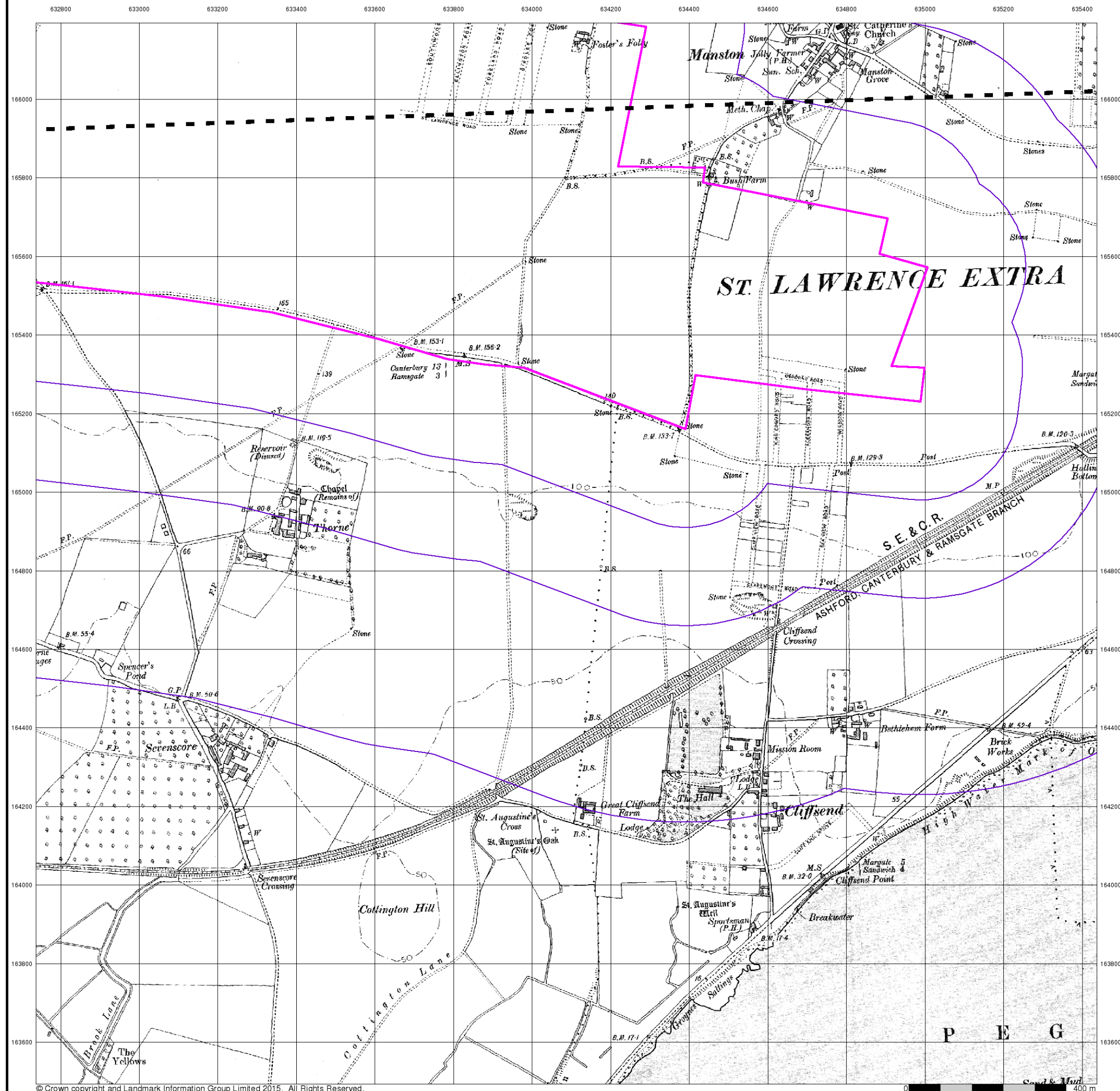


Order Details

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Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
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Kent

Published 1931

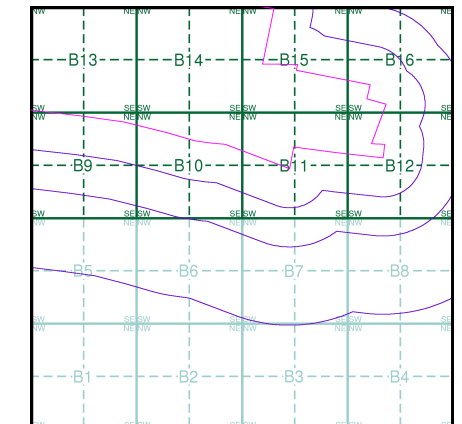
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

025SE	1931	1:10,560
037NE	1931	1:10,560

Historical Map - Slice B

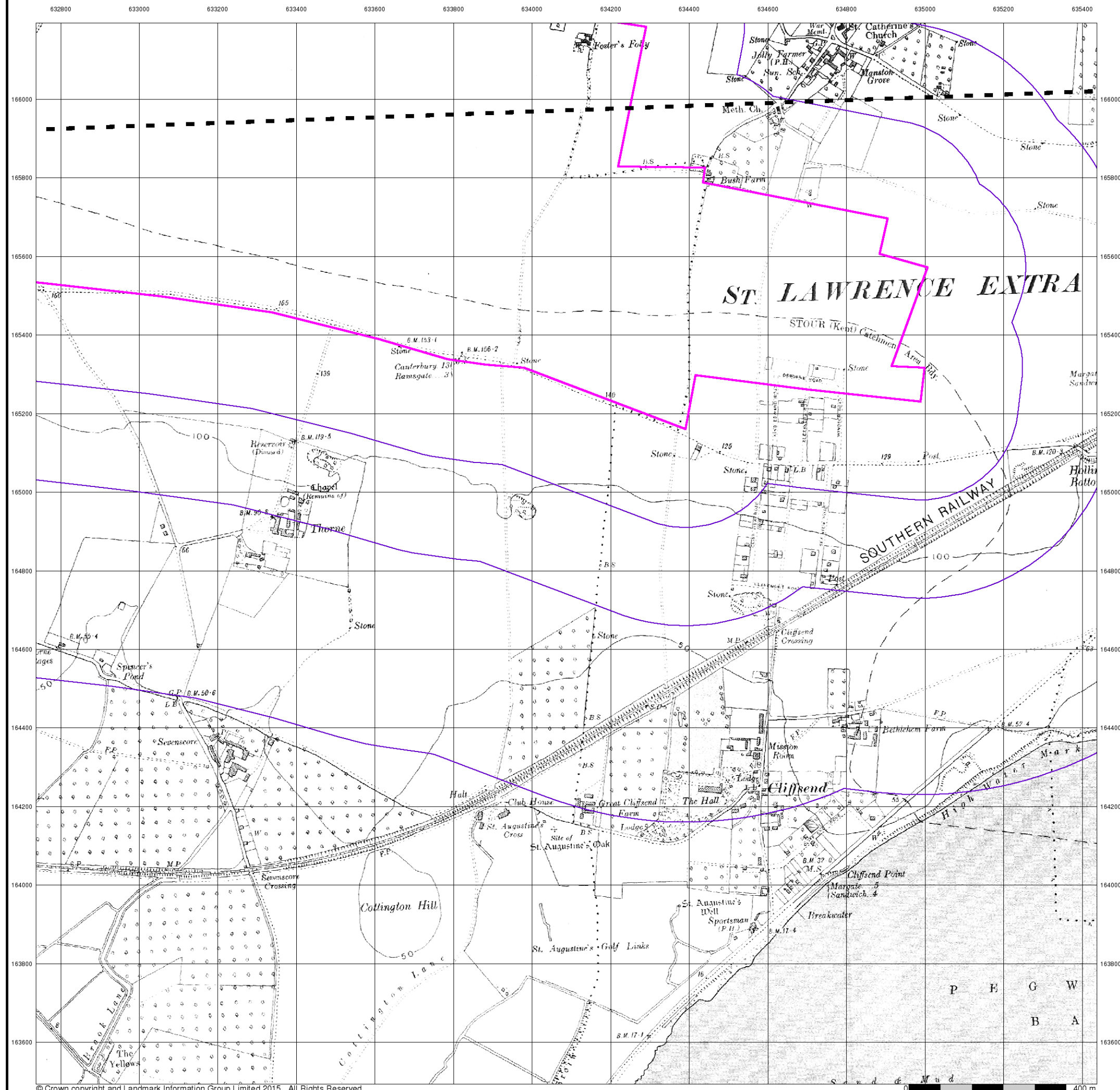


Order Details

Order Number: 82787389_1_1
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 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
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Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



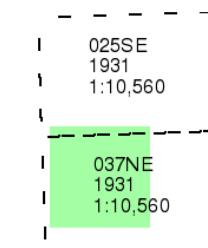
Kent

Published 1931

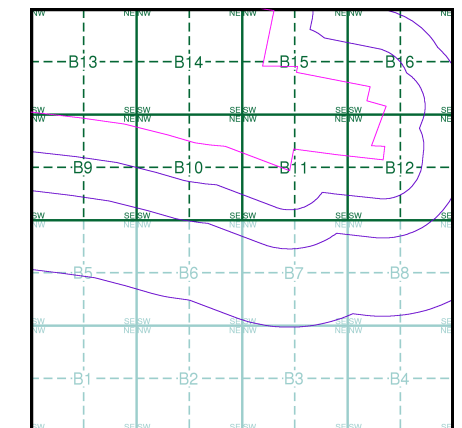
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice B

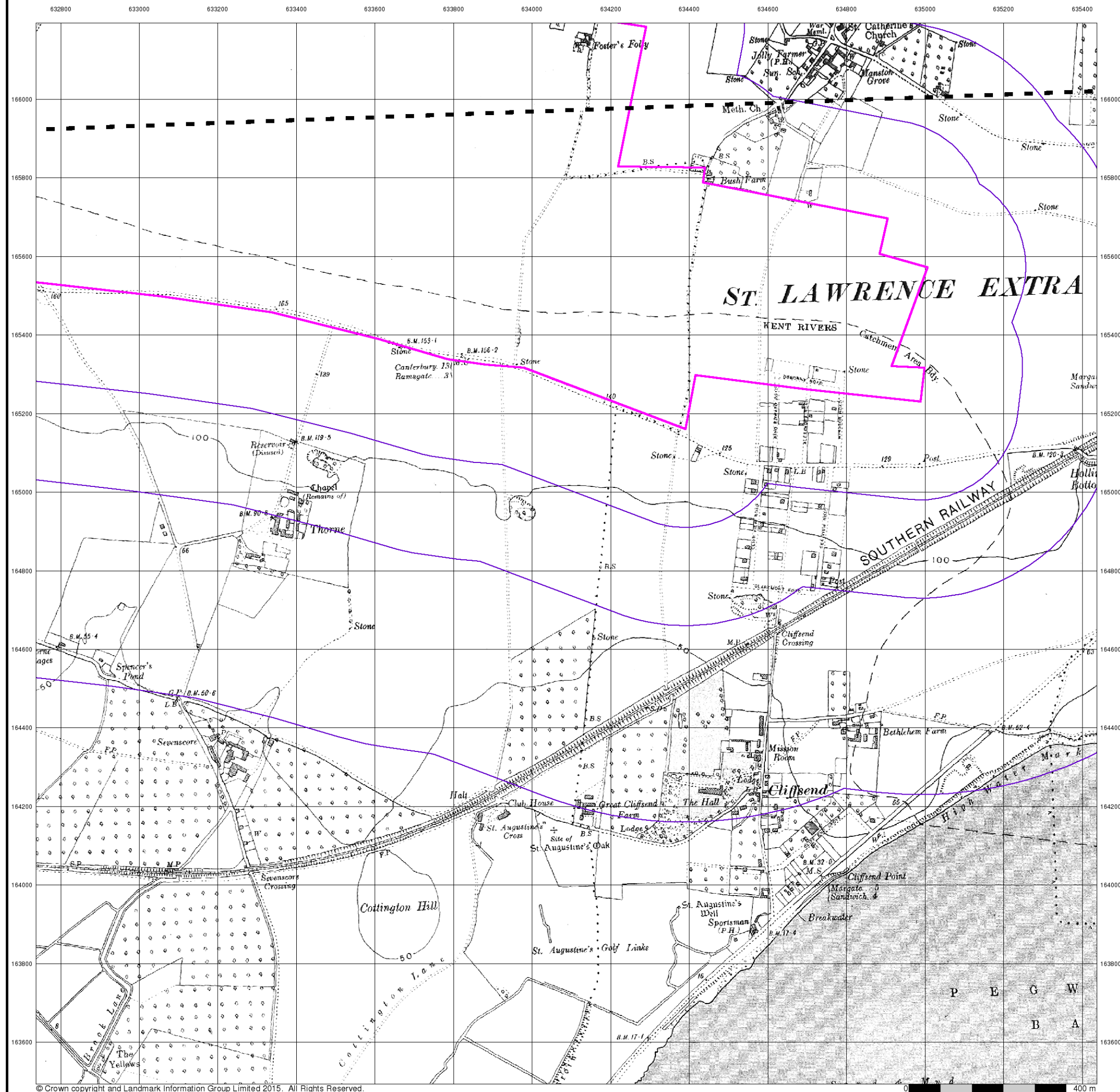


Order Details

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Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



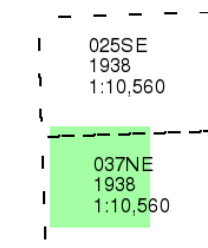
Kent

Published 1938

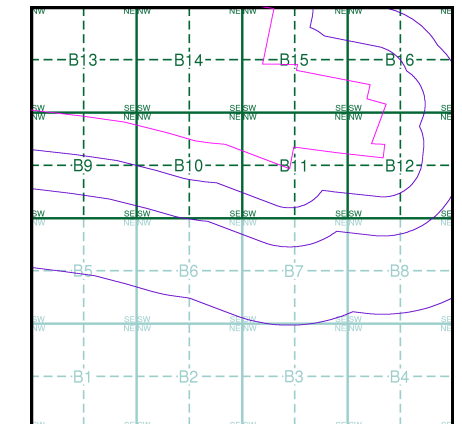
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice B

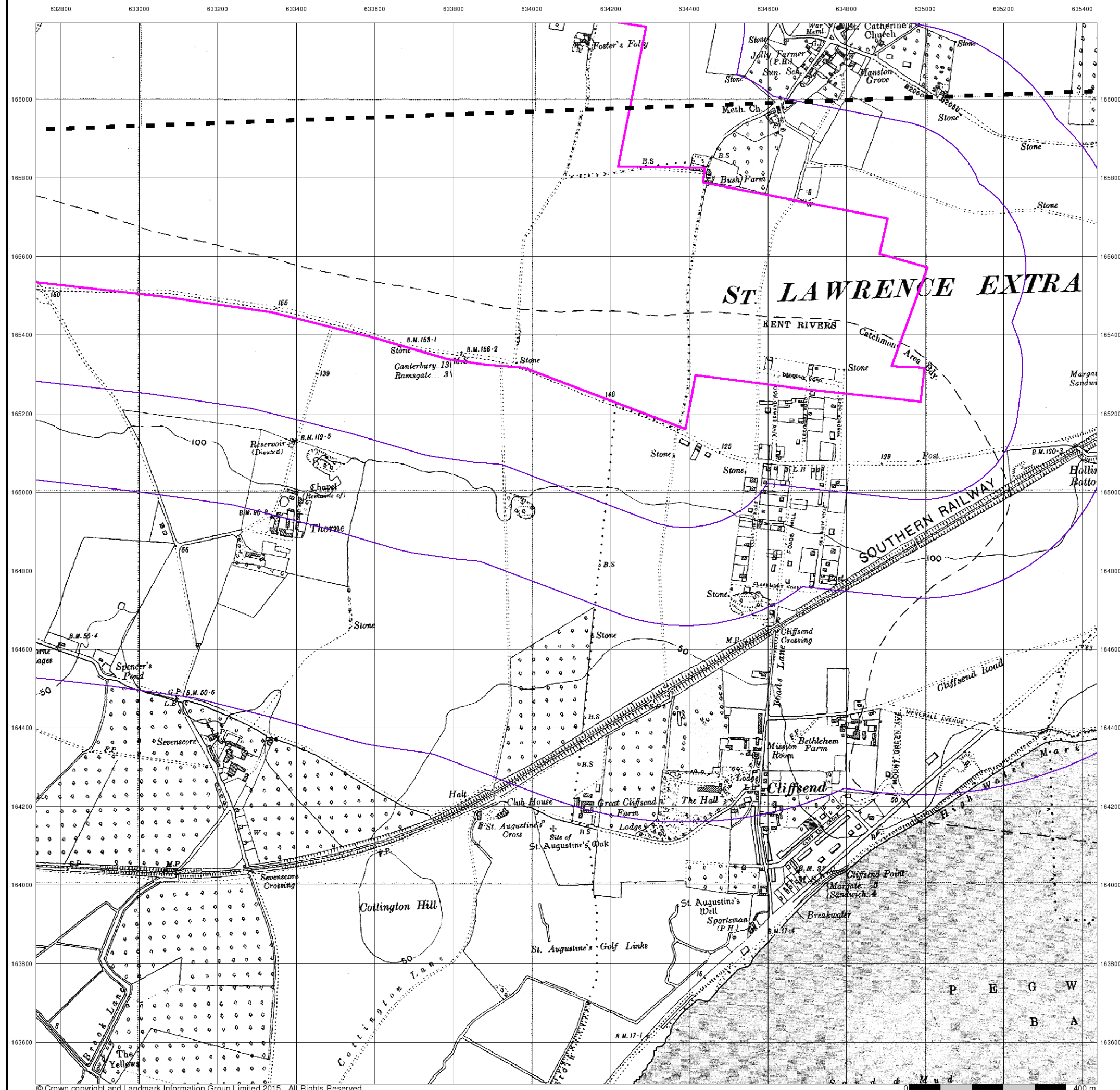


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



Historical Aerial Photography

Published 1945 - 1949

Source map scale - 1:10,560

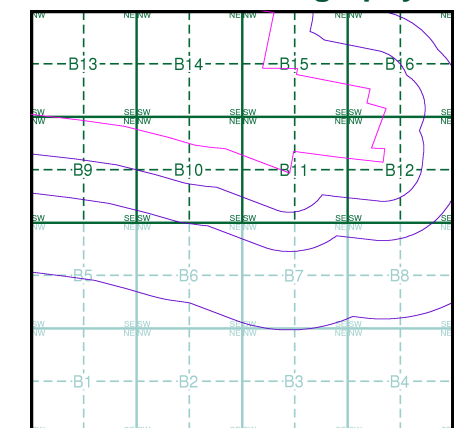
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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Map Name(s) and Date(s)

TR36NW 1945 1:10,560	TR36NE 1947 1:10,560
TR36SW 1949 1:10,560	TR36SE 1949 1:10,560

Historical Aerial Photography - Slice B



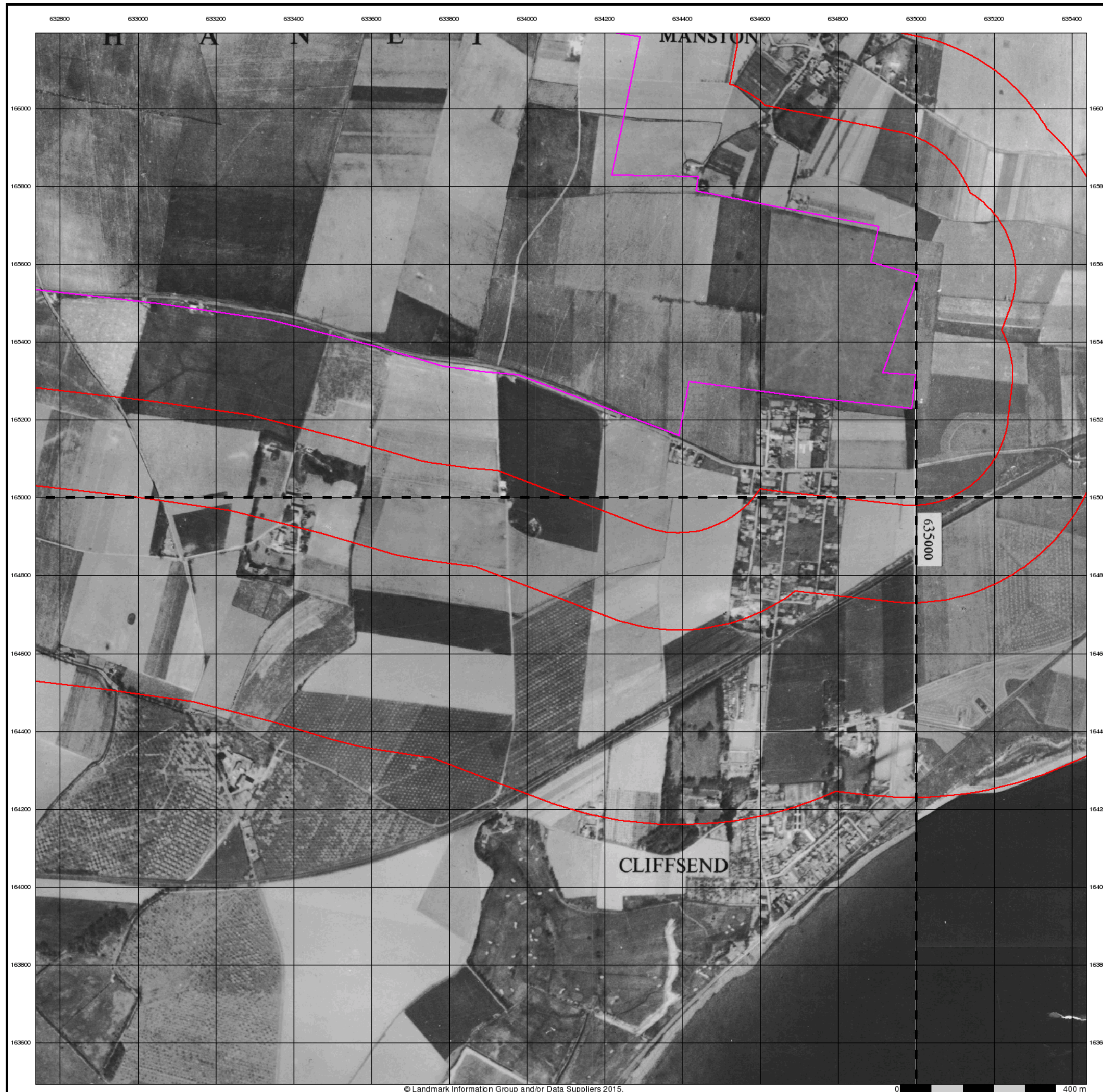
LIBRARY
HSILIRB

Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



Historical Aerial Photography

Published 1947 - 1949

Source map scale - 1:10,560

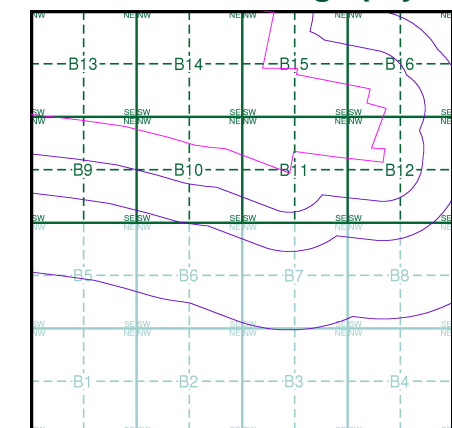
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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Map Name(s) and Date(s)

TR36NW 1948 1:10,560	TR36NE 1947 1:10,560
TR36SW 1949 1:10,560	TR36SE 1949 1:10,560

Historical Aerial Photography - Slice B



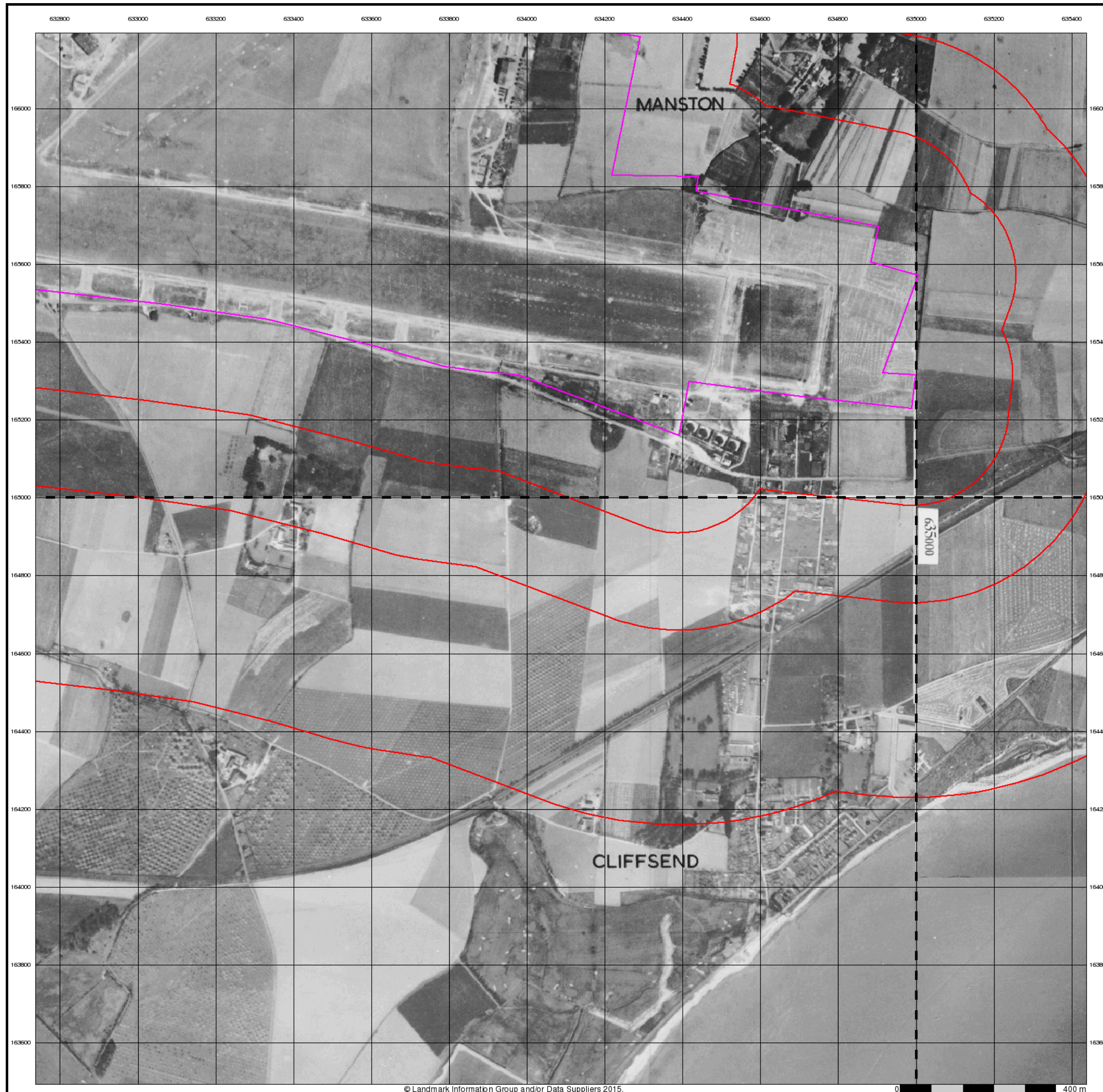
LIBRARY
HSILIRB

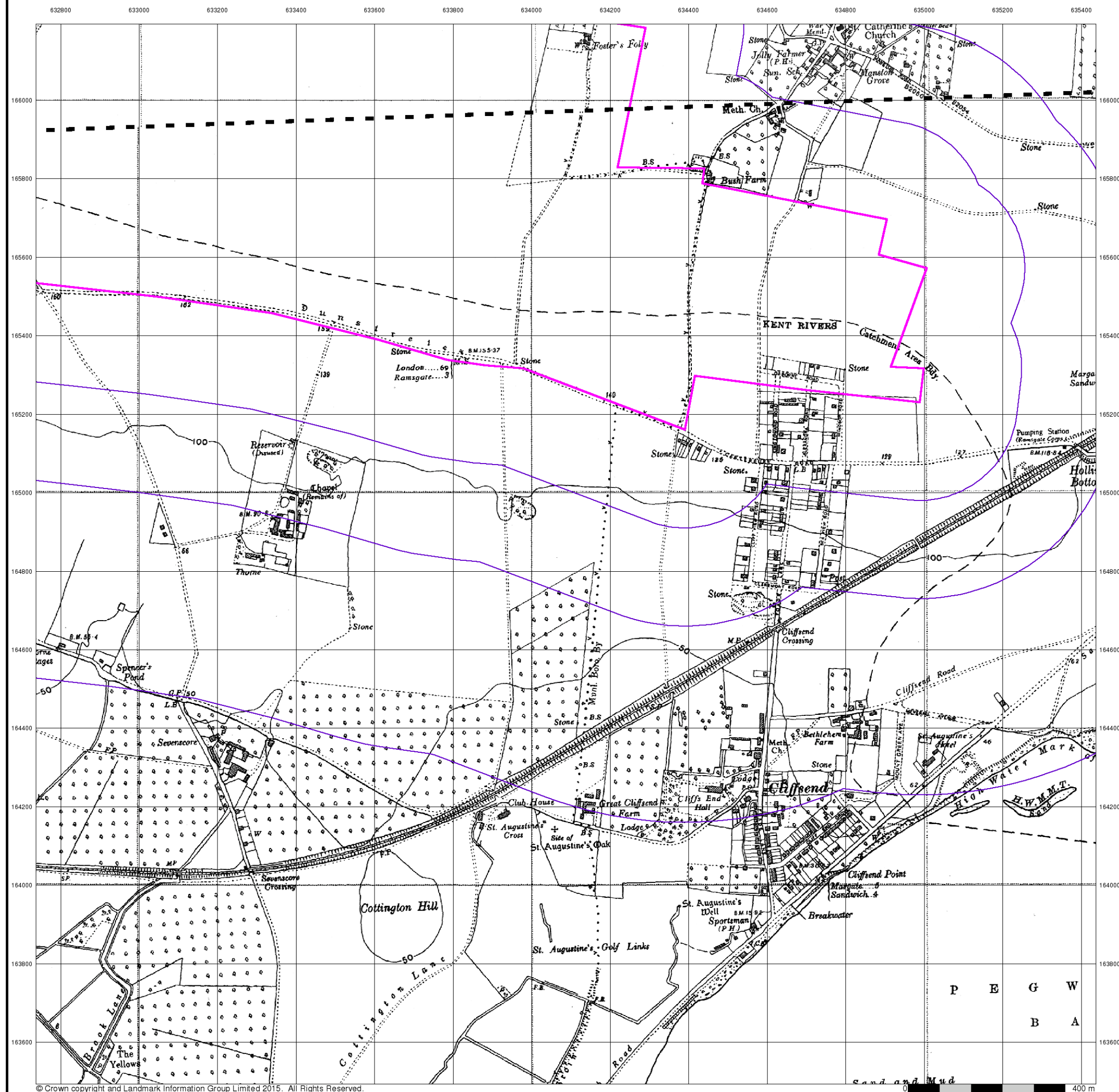
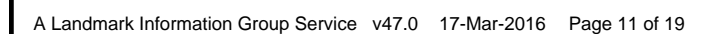
Order Details

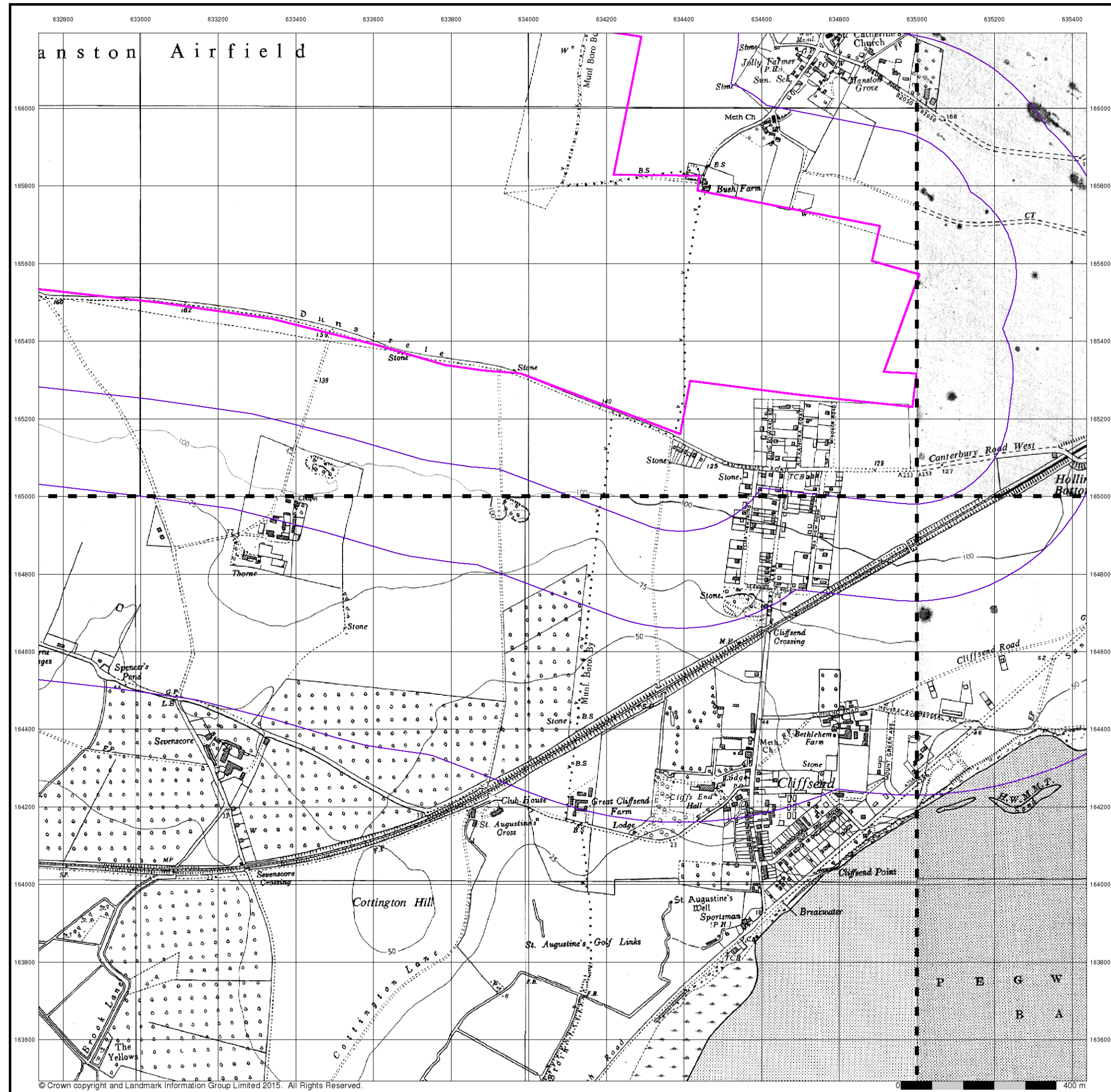
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL







Ordnance Survey Plan

Published 1960 - 1962

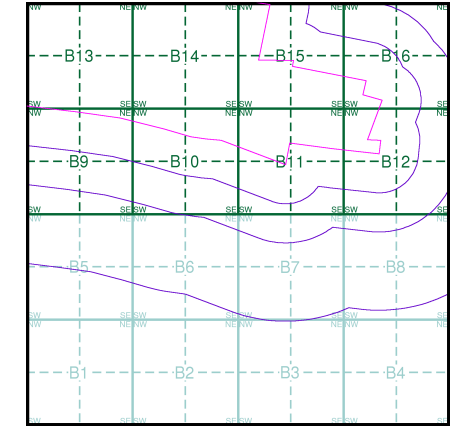
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TR36NW	1961	1:10,560
TR36NE	1962	1:10,560
TR36SW	1960	1:10,560
TR36SE	1961	1:10,560

Historical Map - Slice B



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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

Ordnance Survey Plan

Published 1973 - 1977

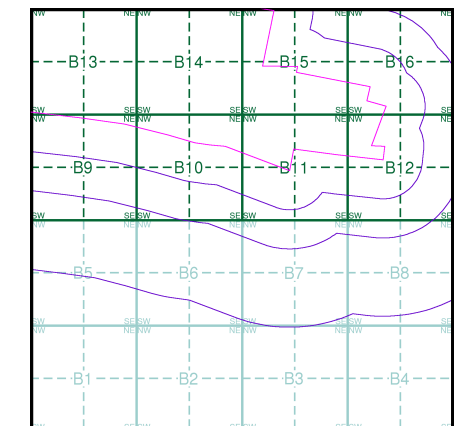
Source map scale - 1:10,000

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Map Name(s) and Date(s)

TR36NW	TR36NE
1975	1973
1:10,000	1:10,000
	TR36SE
	1977
	1:10,000

Historical Map - Slice B



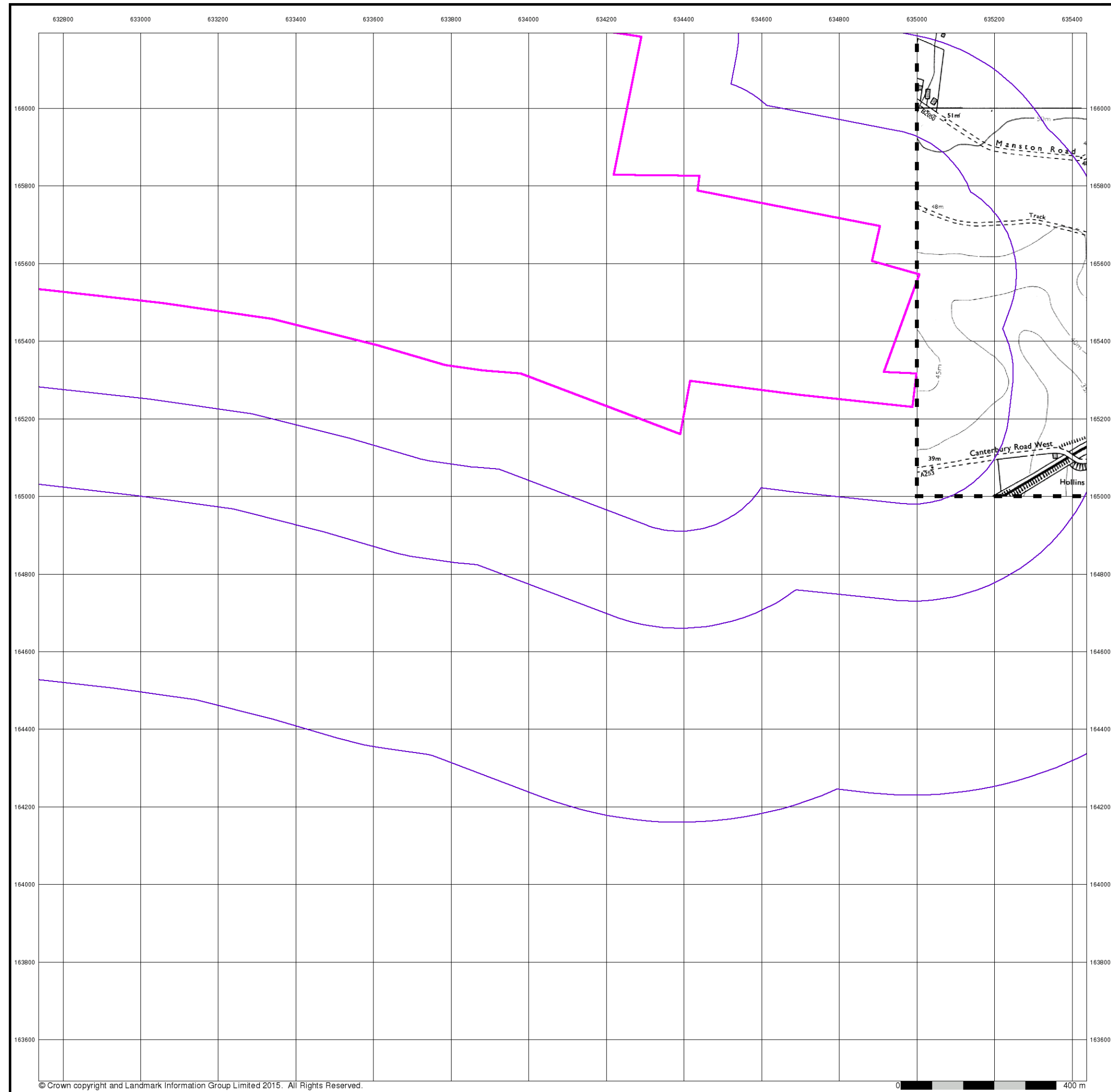
Order Details

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Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL





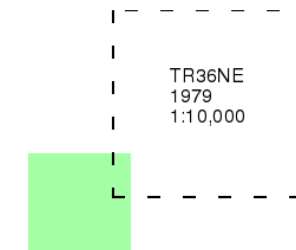
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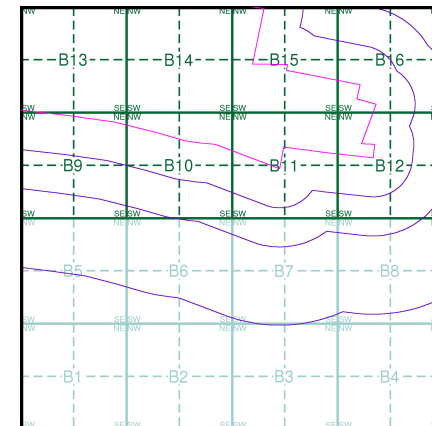
Ordnance Survey Plan
Published 1979
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

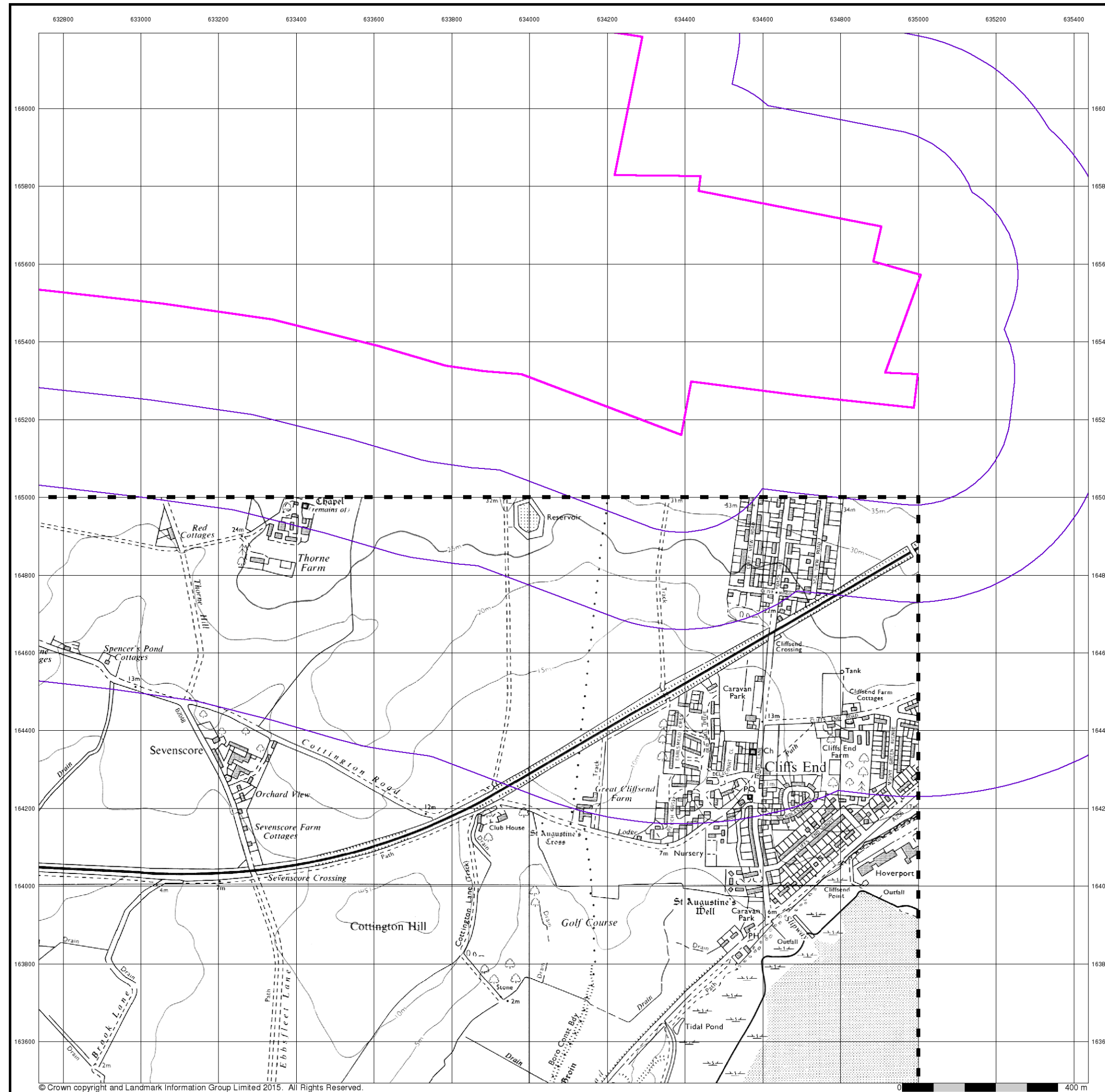
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



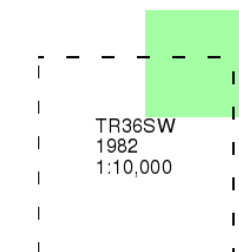
Ordnance Survey Plan

Published 1982

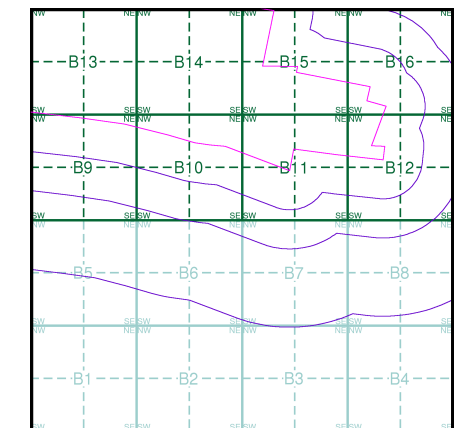
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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

Ordnance Survey Plan

Published 1990 - 1995

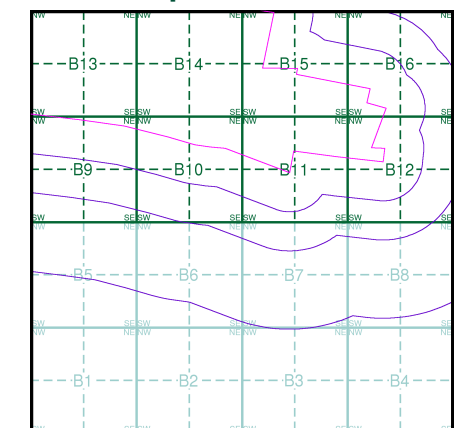
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TR36NW 1991 1:10,000	TR36NE 1995 1:10,000
TR36SW 1990 1:10,000	TR36SE 1991 1:10,000

Historical Map - Slice B

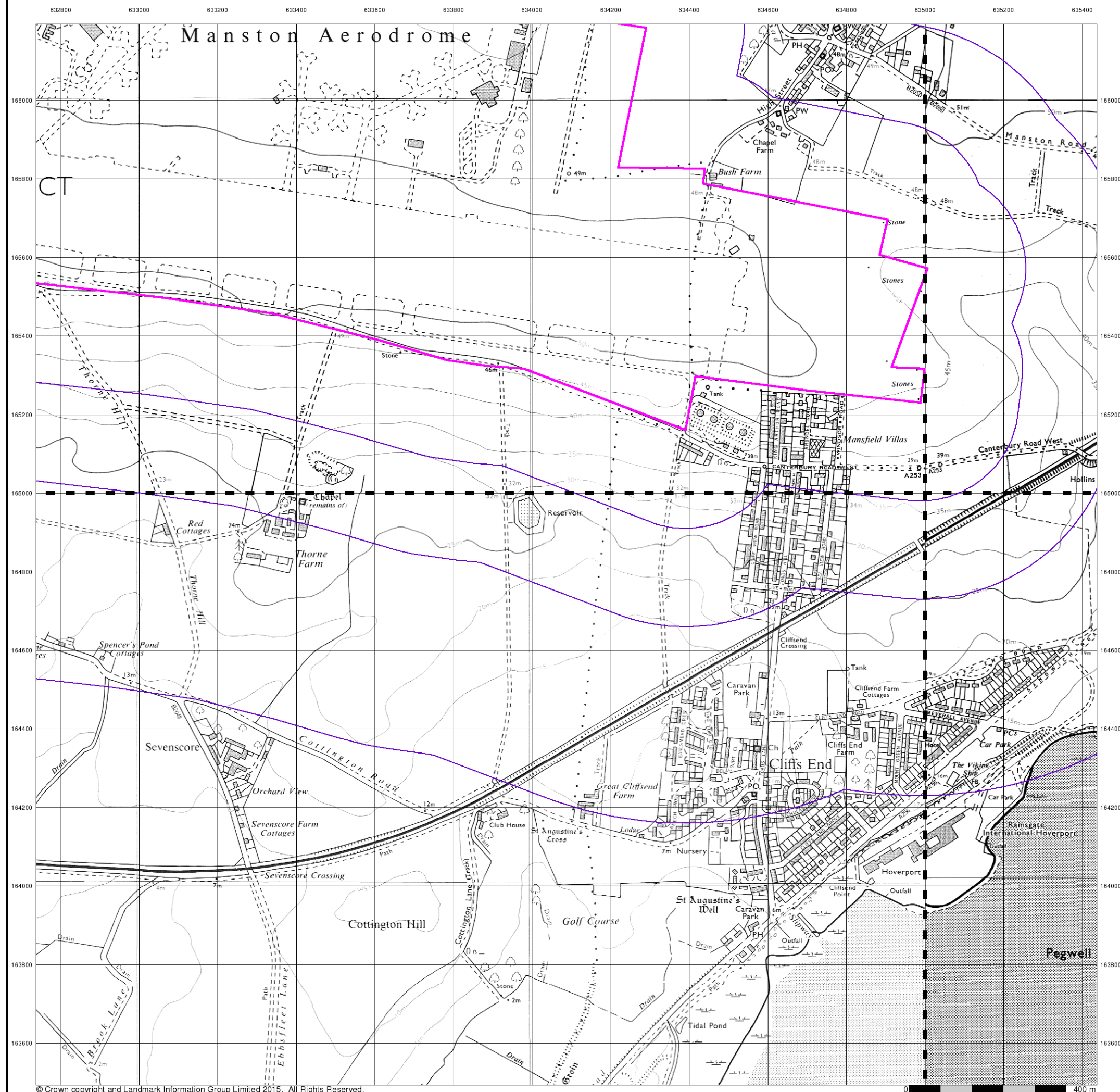


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



10k Raster Mapping

Published 2006

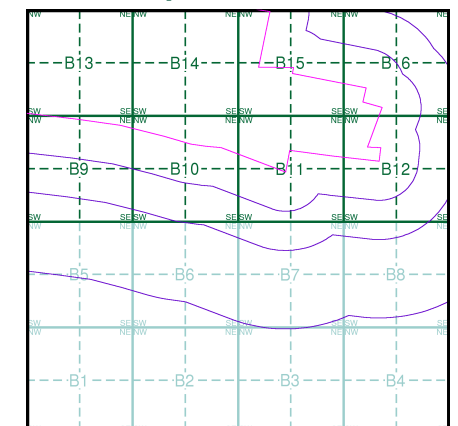
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TR36NW	TR36NE
2006	2006
1:10,000	1:10,000
TR36SW	TR36SE
2006	2006
1:10,000	1:10,000

Historical Map - Slice B

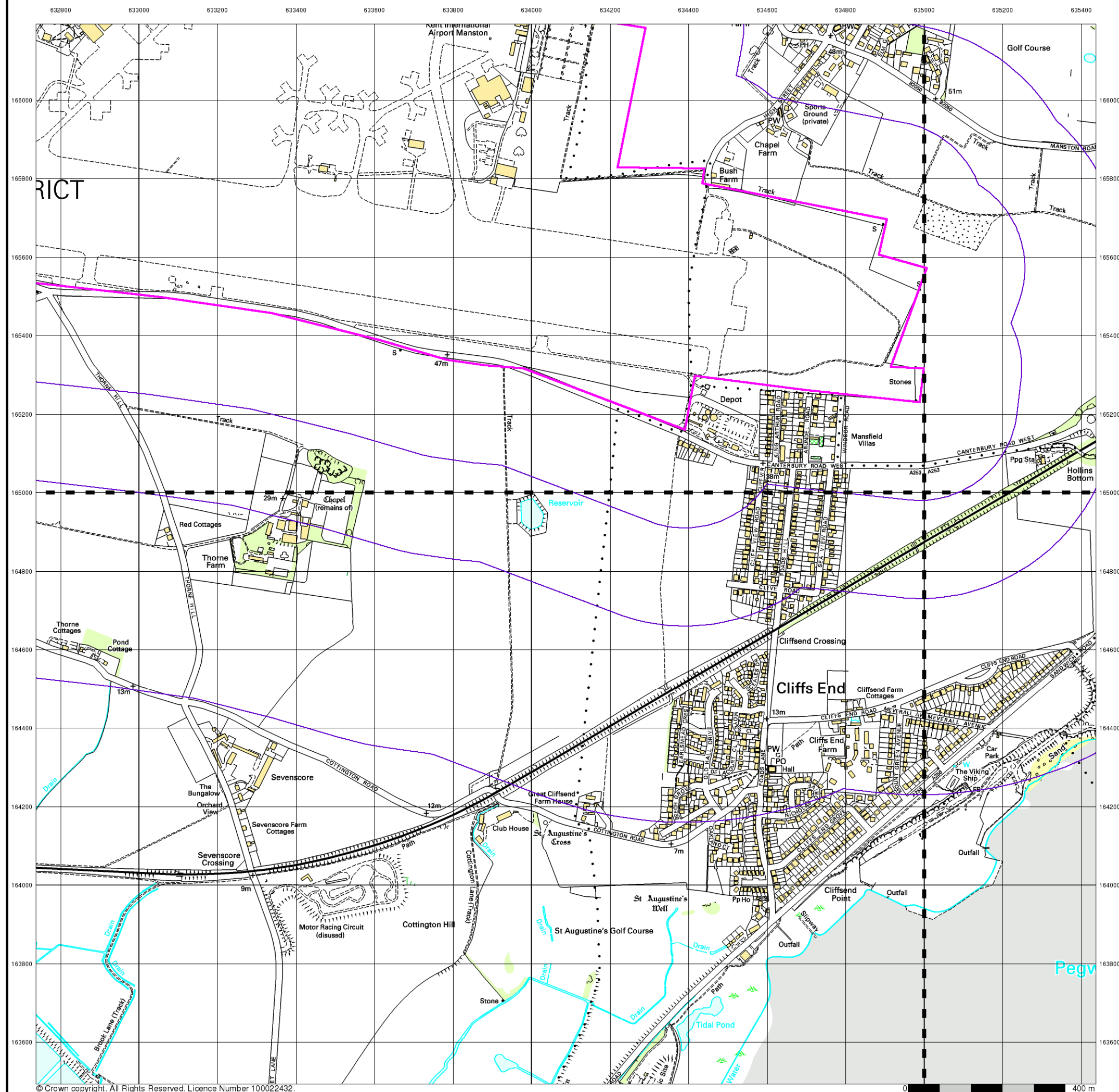


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



VectorMap Local

Published 2016

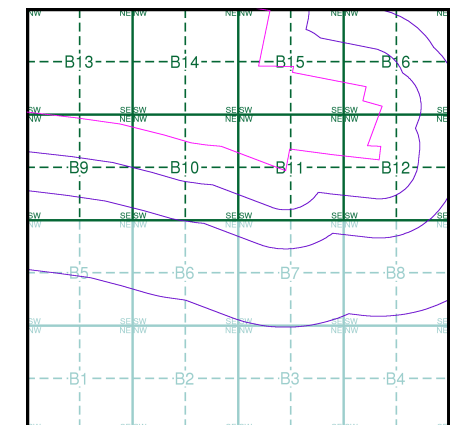
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

TR36NW 2016 Variable	TR36NE 2016 Variable
TR36SW 2016 Variable	TR36SE 2016 Variable

Historical Map - Slice B

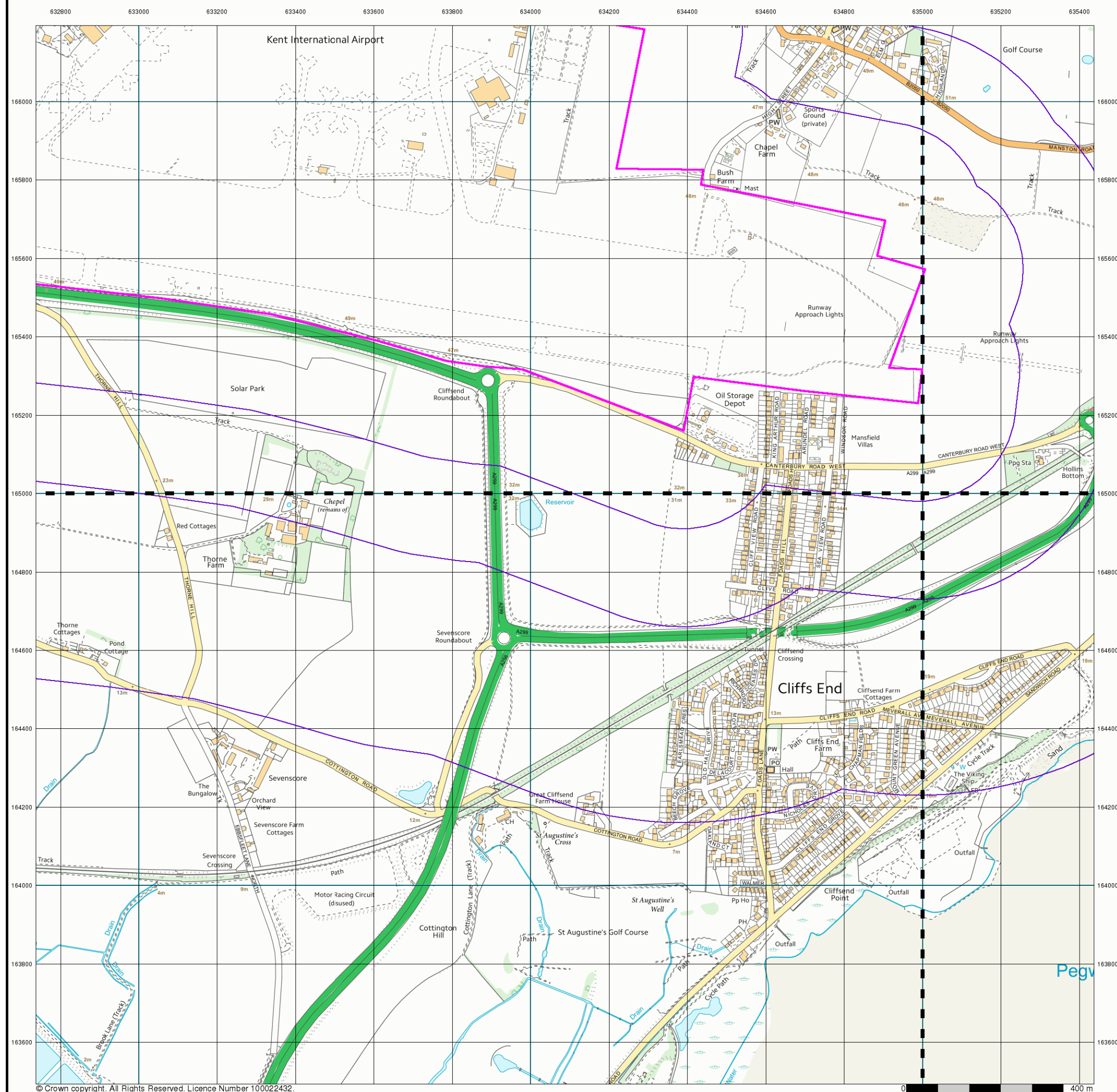


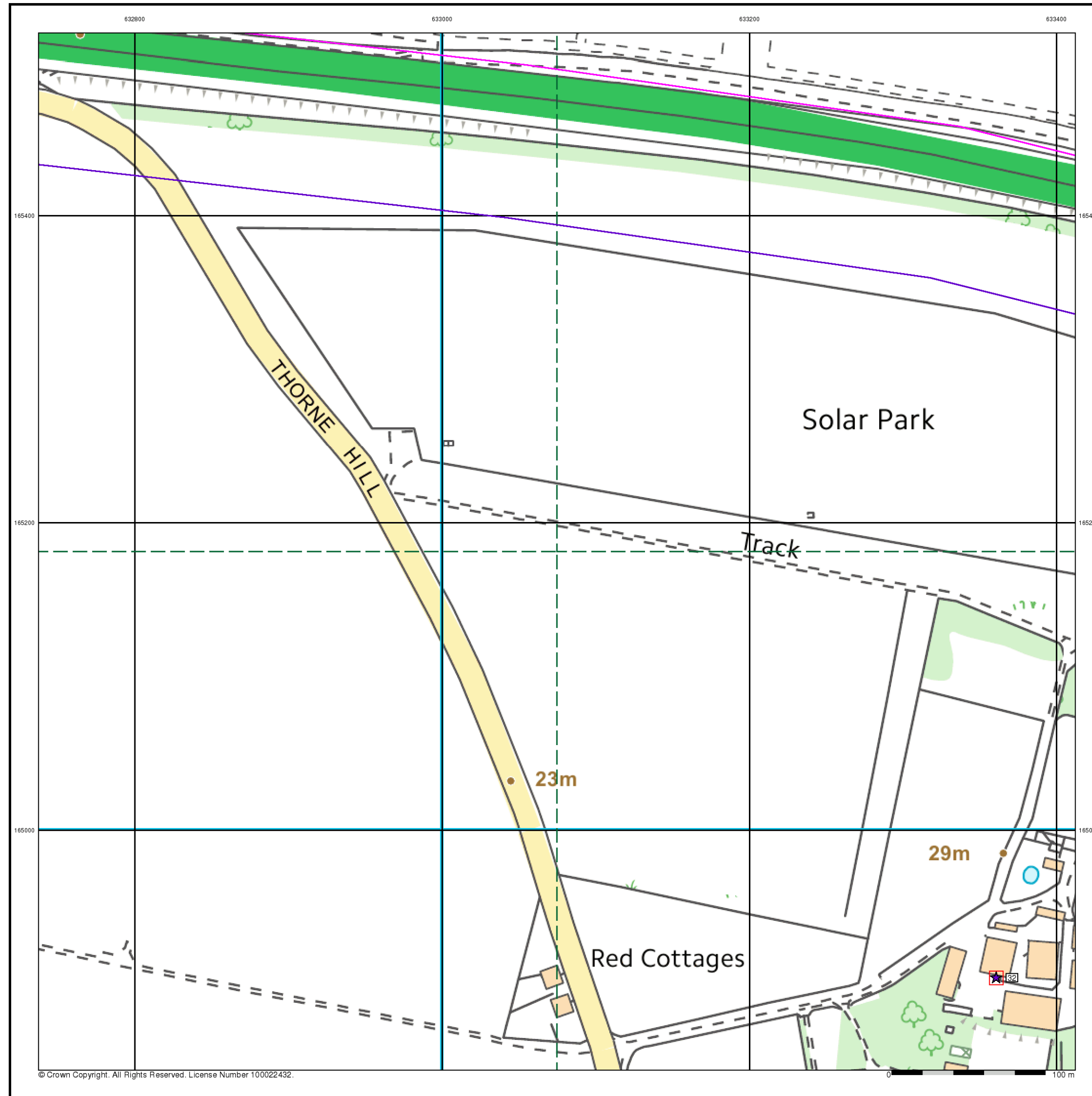
Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



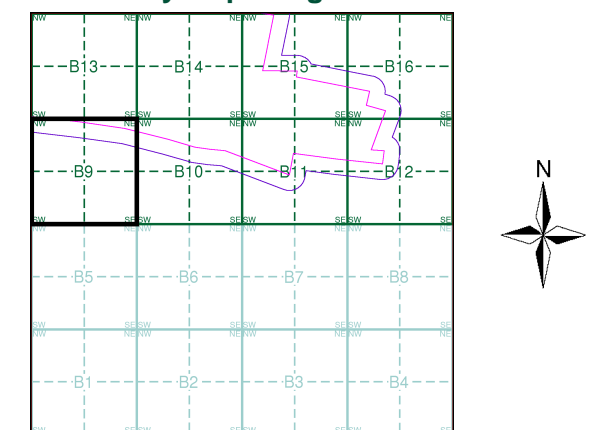


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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Discharge Consent
 - Enforcement or Prohibition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

Site Sensitivity Map - Segment B9



Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL

Landmark
Information Group

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

General

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

Agency and Hydrological

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

Waste

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

Hazardous Substances

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

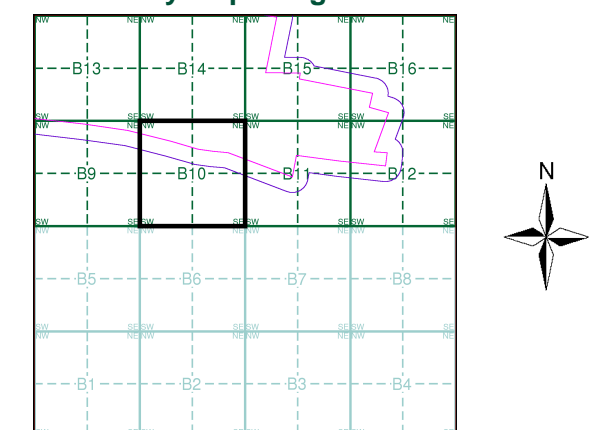
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Segment B10

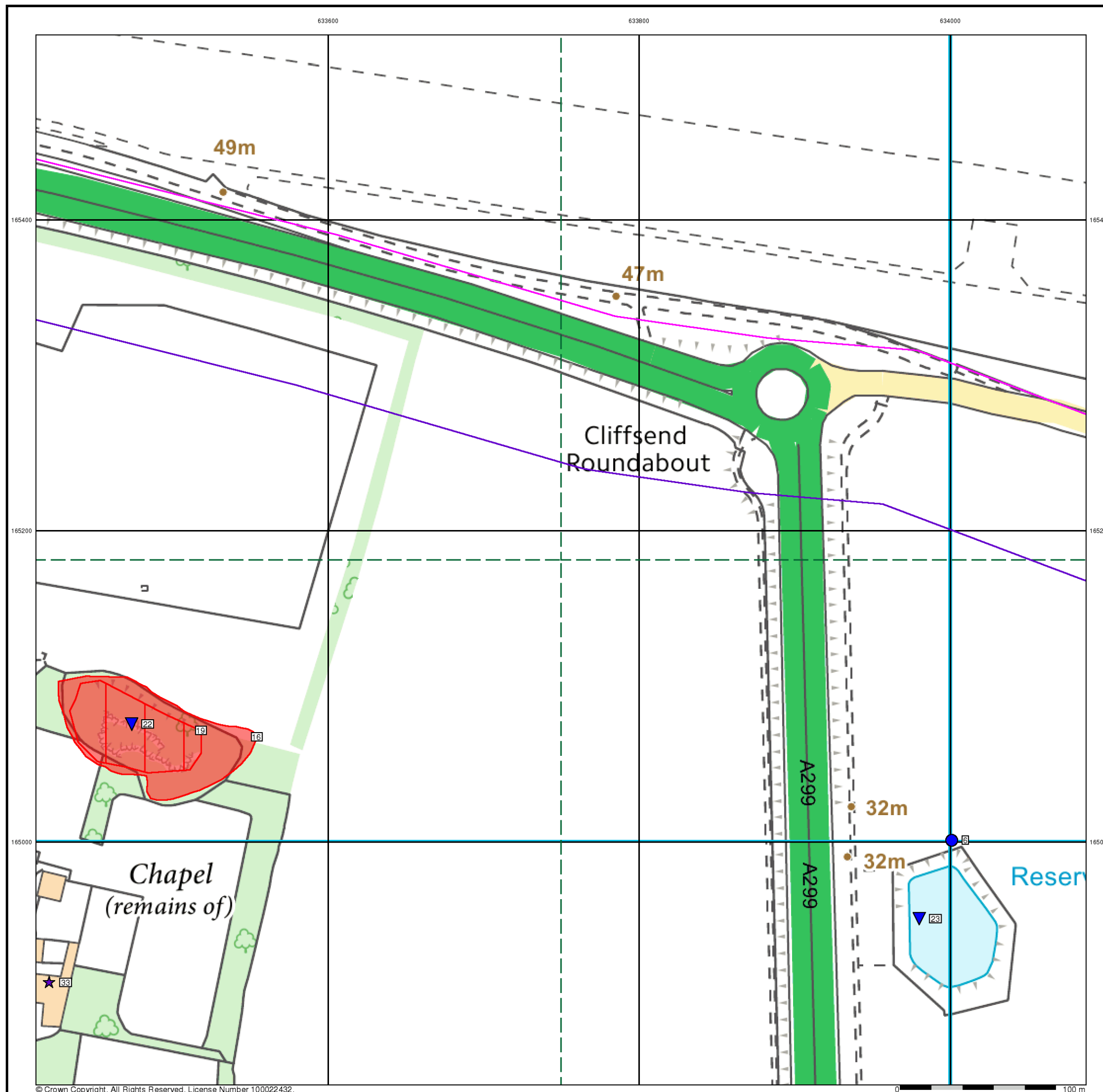


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



General

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

Agency and Hydrological

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

Waste

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

Hazardous Substances

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

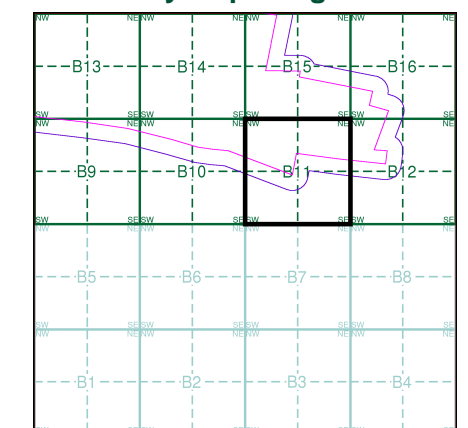
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Segment B11

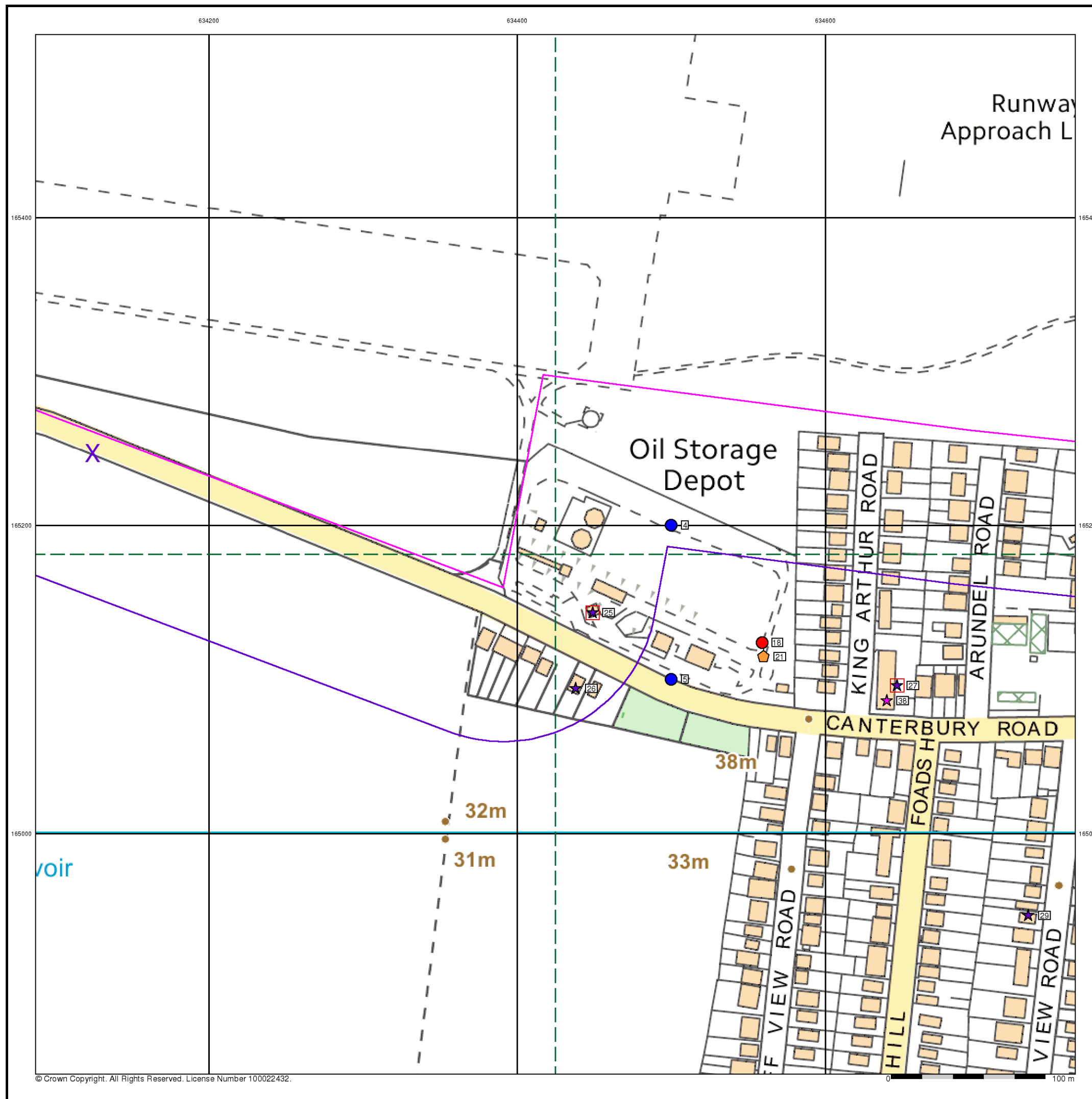


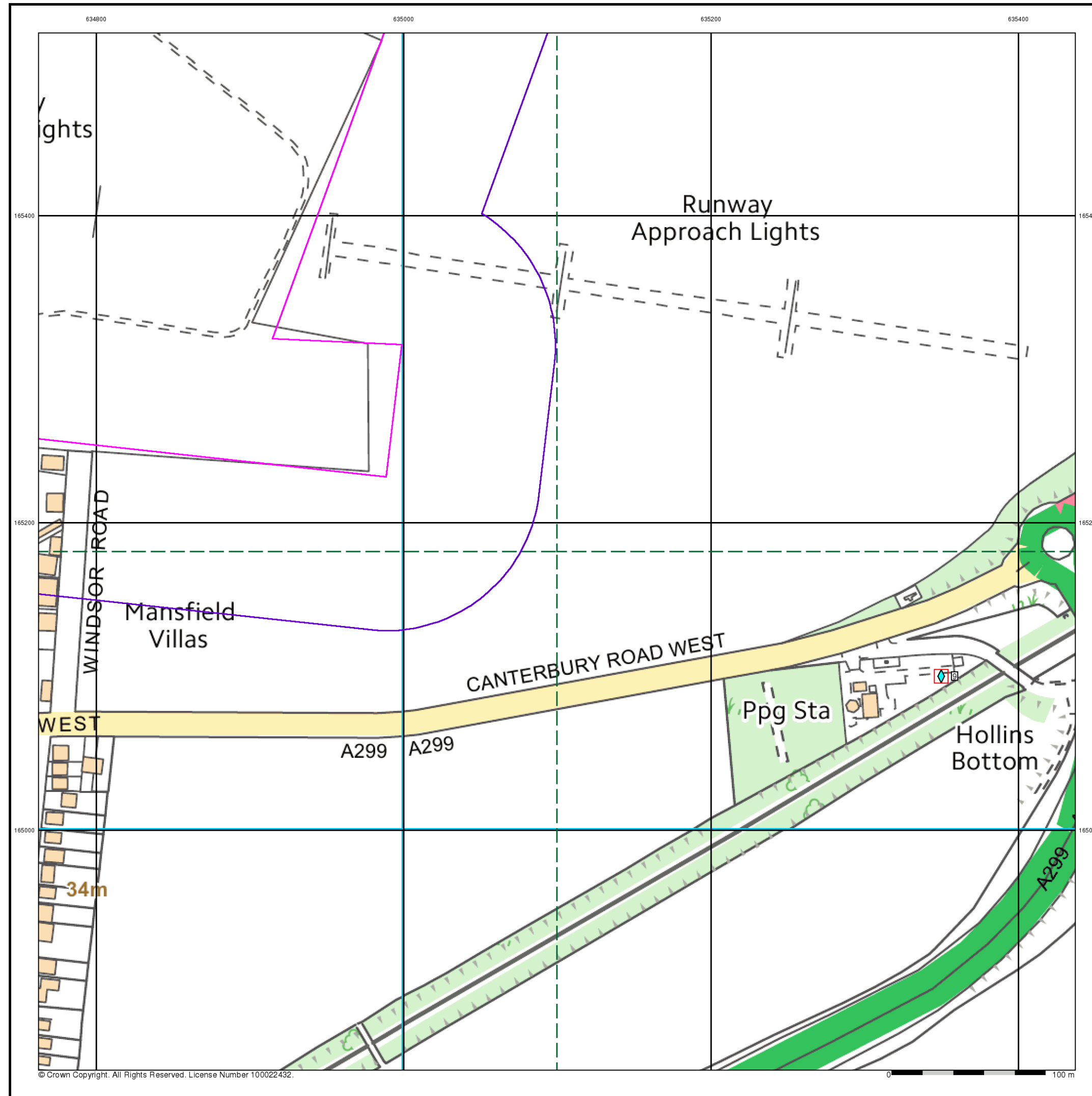
Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39

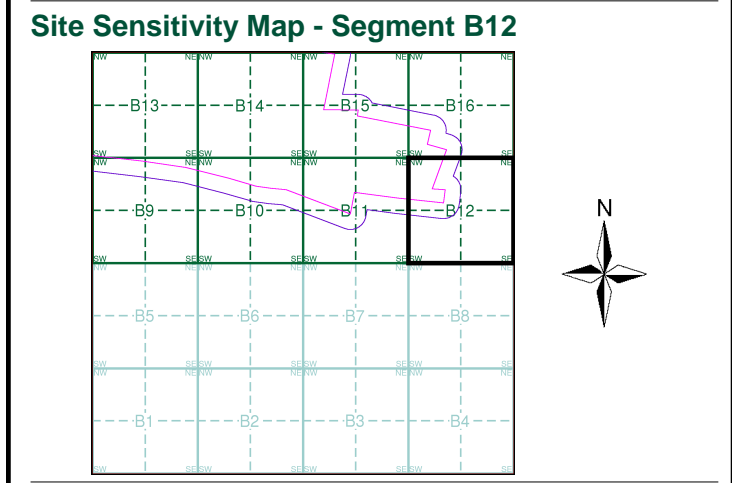
Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



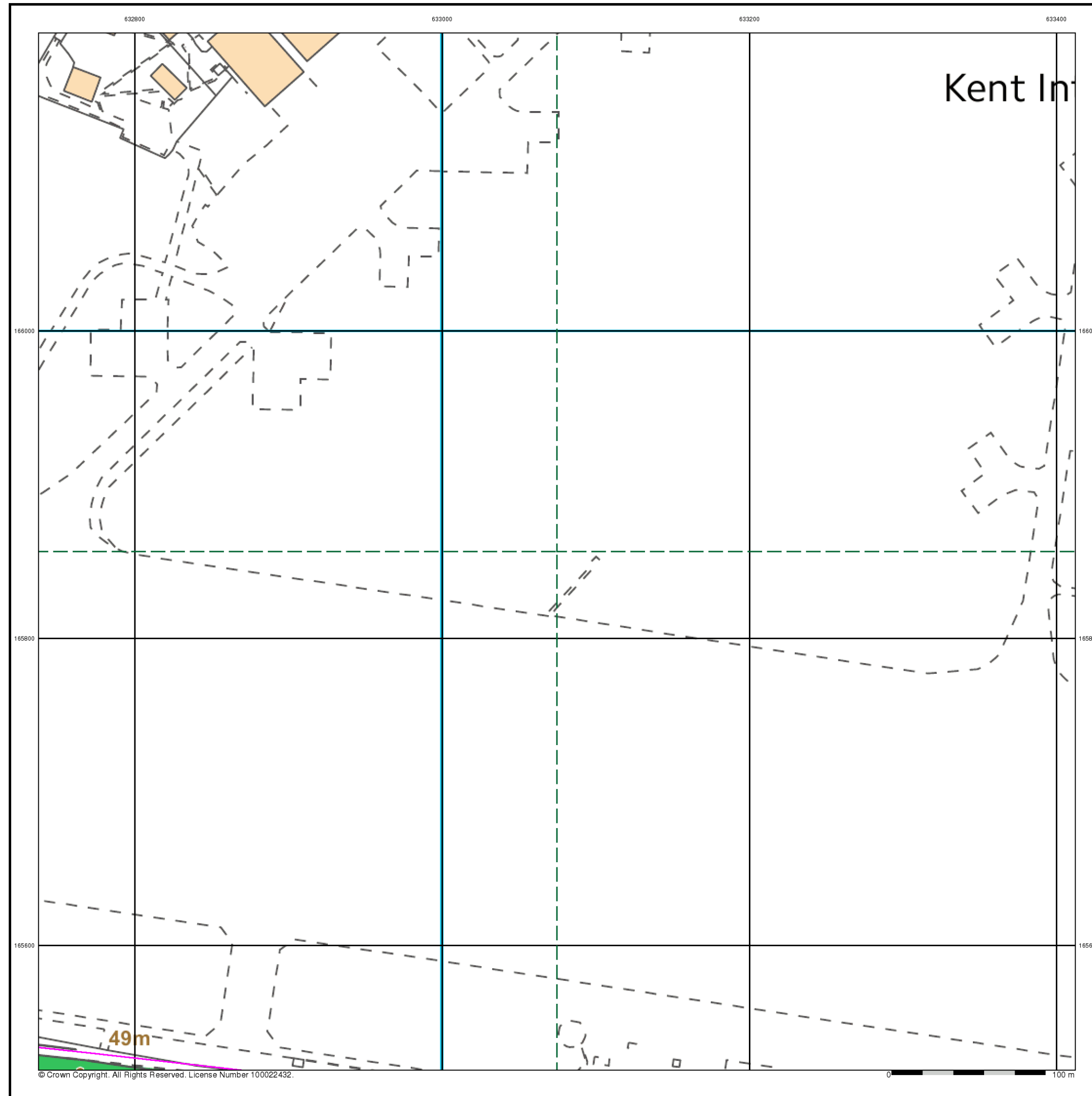


- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition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



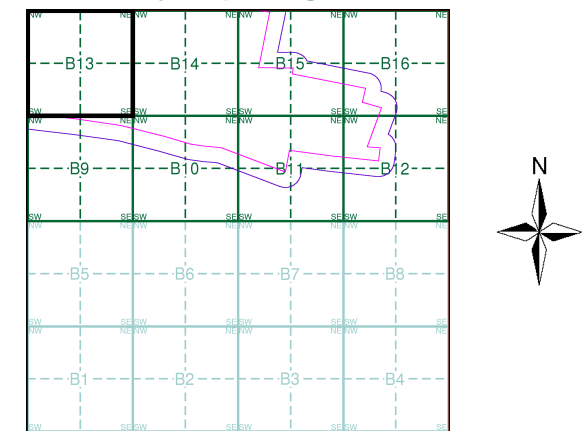
Order Details
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39

Site Details
Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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

Site Sensitivity Map - Segment B13



Order Details






Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL

International Airport

General

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



Agency and Hydrological

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






Geological

-  BGS Recorded Mineral Site






Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry

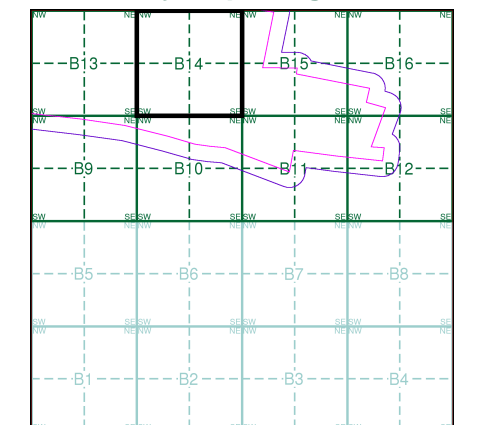
Waste

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

Hazardous Substances

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

Site Sensitivity Map - Segment B14

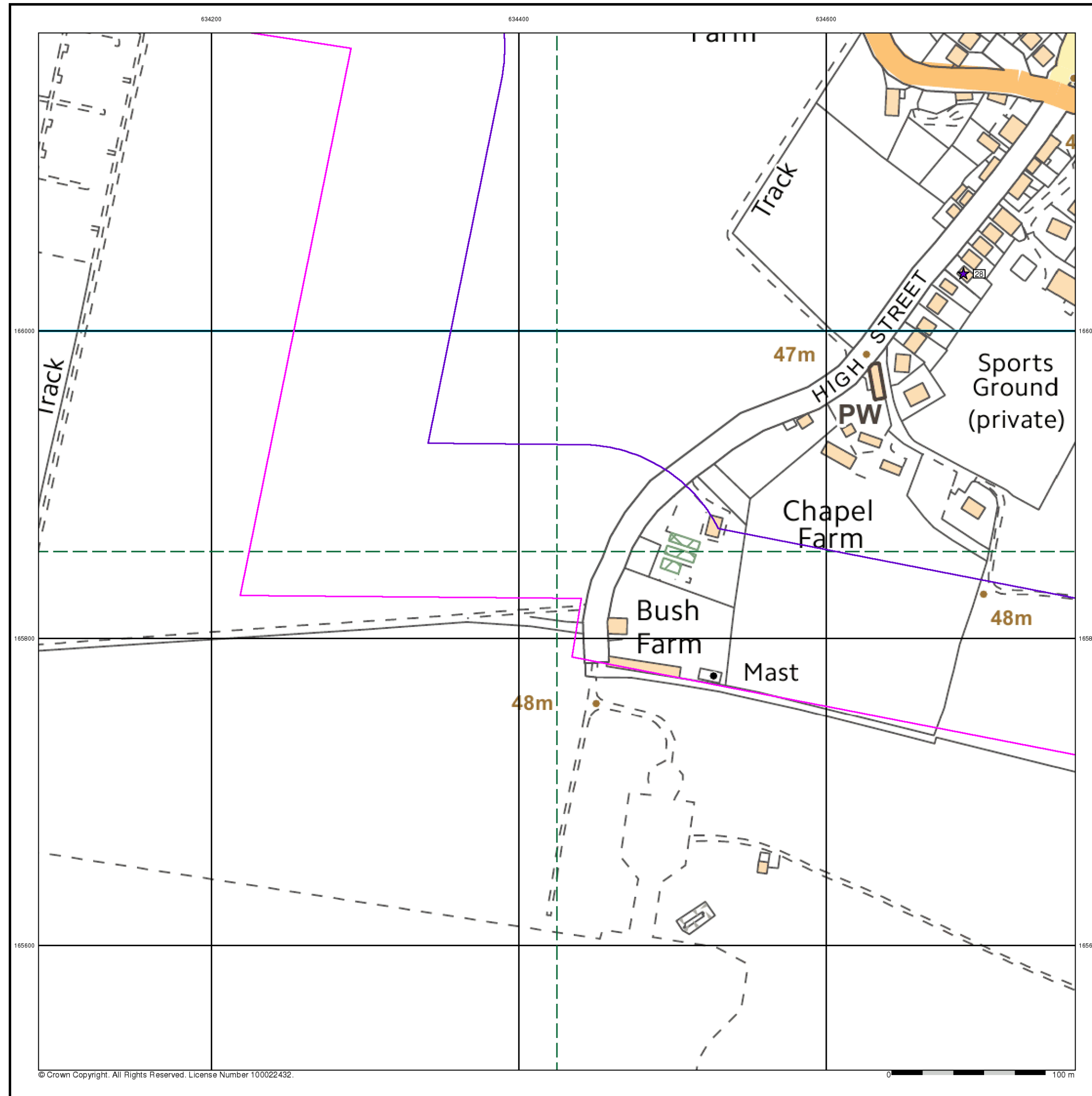


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39

Site Details

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Manston, RAMSGATE, Kent, CT12 5BL



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0 100 m



General

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

Agency and Hydrological

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

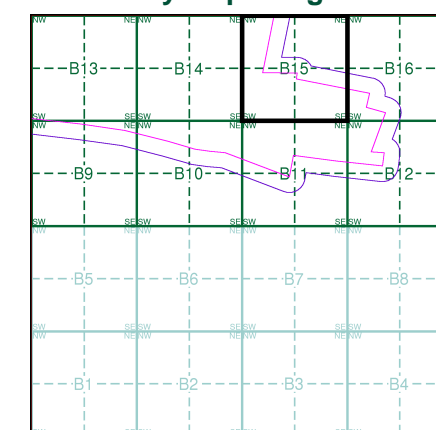
Waste

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

Hazardous Substances

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

Site Sensitivity Map - Segment B15



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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

General

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

Agency and Hydrological

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

Waste

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

Hazardous Substances

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

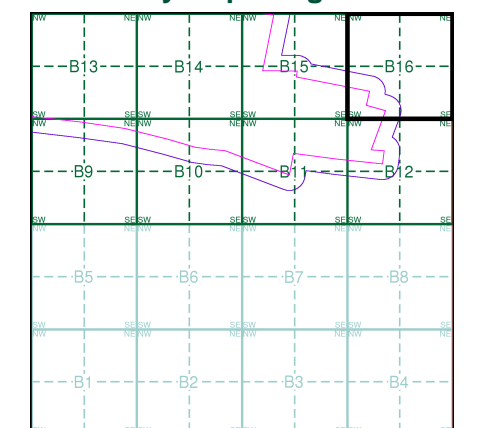
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Segment B16

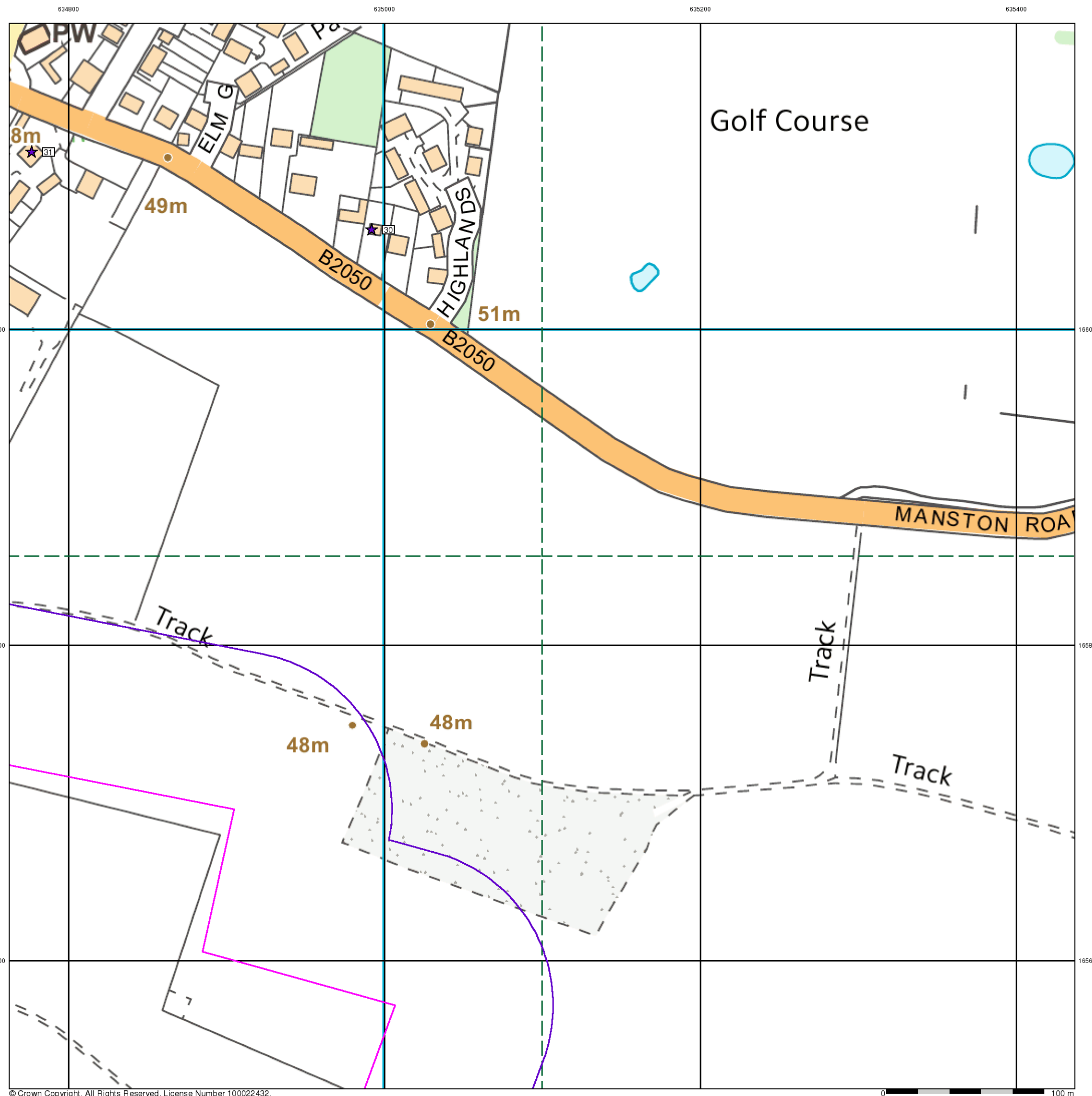


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



General

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

Agency and Hydrological

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

Waste

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

Hazardous Substances

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

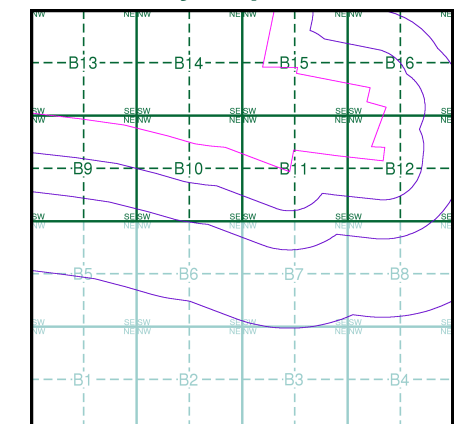
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice B

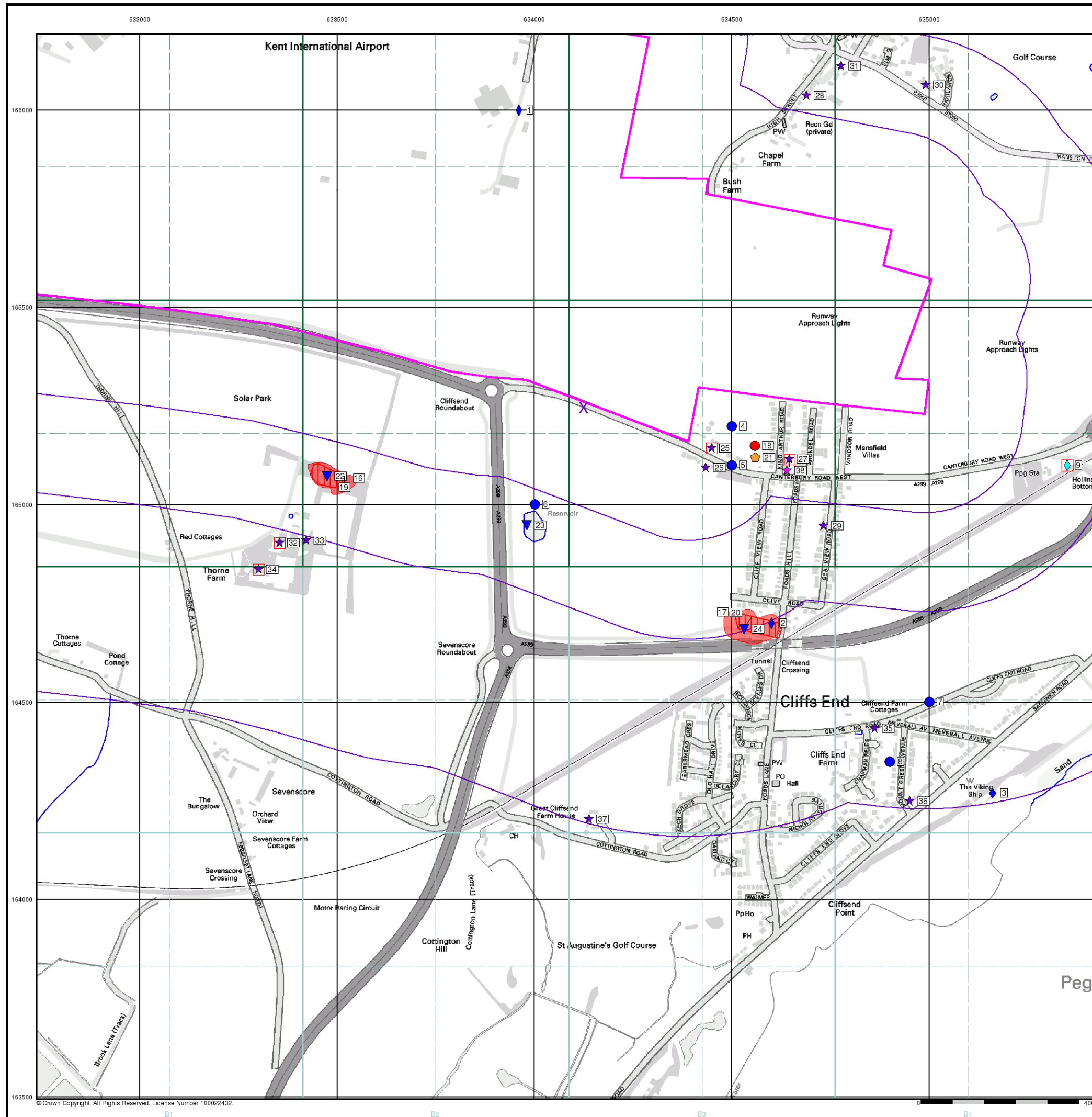


Order Details



Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details






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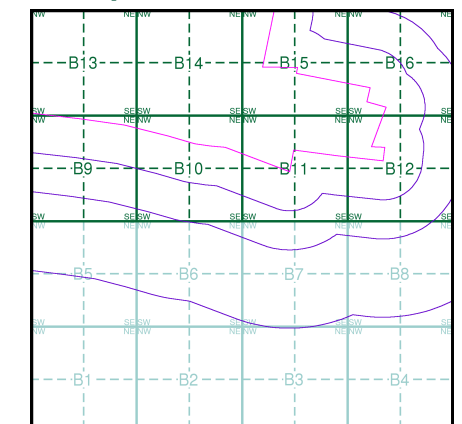
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice B

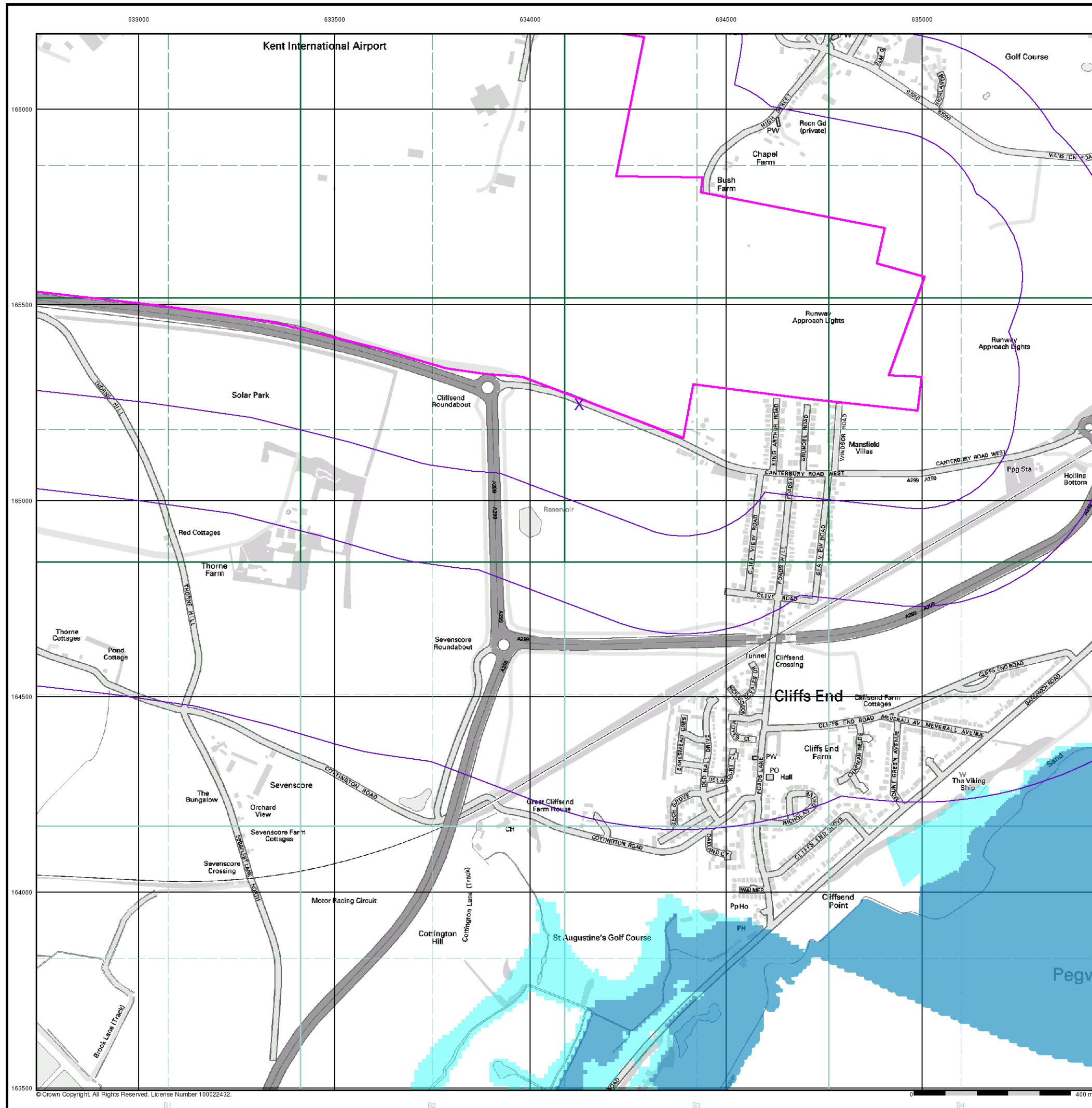


Order Details






Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details






Kent International Airport Ltd, Kent International Airport,
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General

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

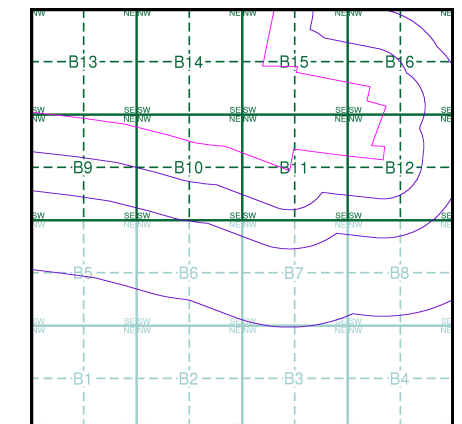
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice B

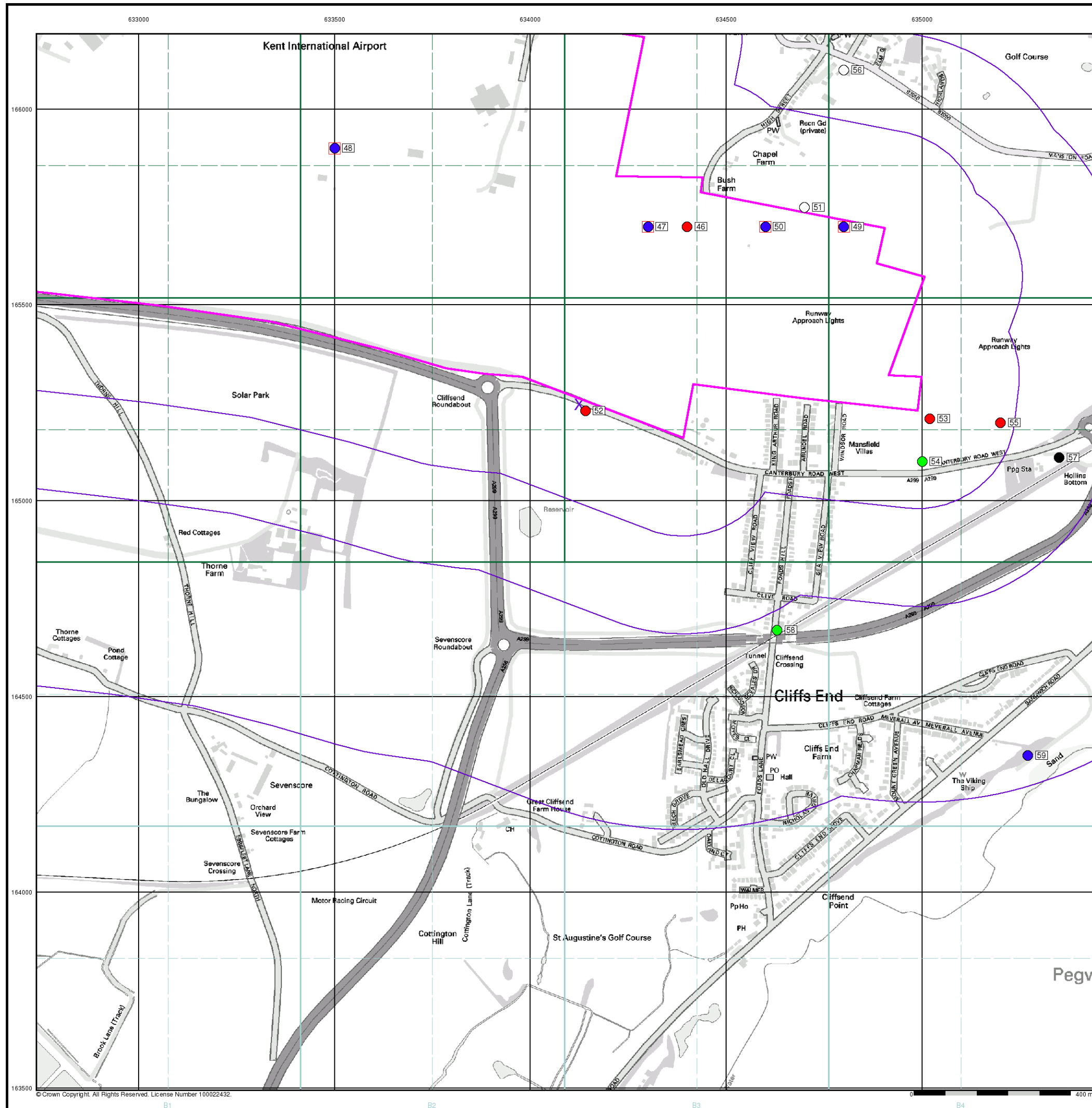


Order Details





Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details













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




General

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

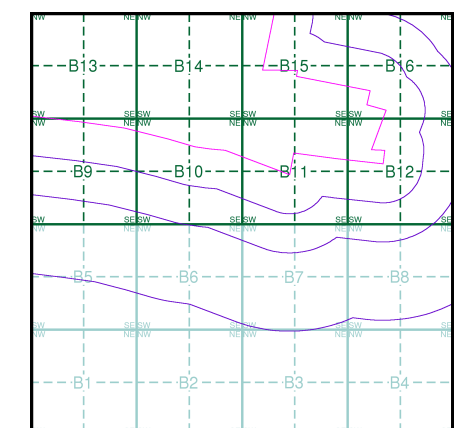
Detailed River Network Data

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

Contours (height in metres)

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

EANRW Detailed River Network Map - Slice B

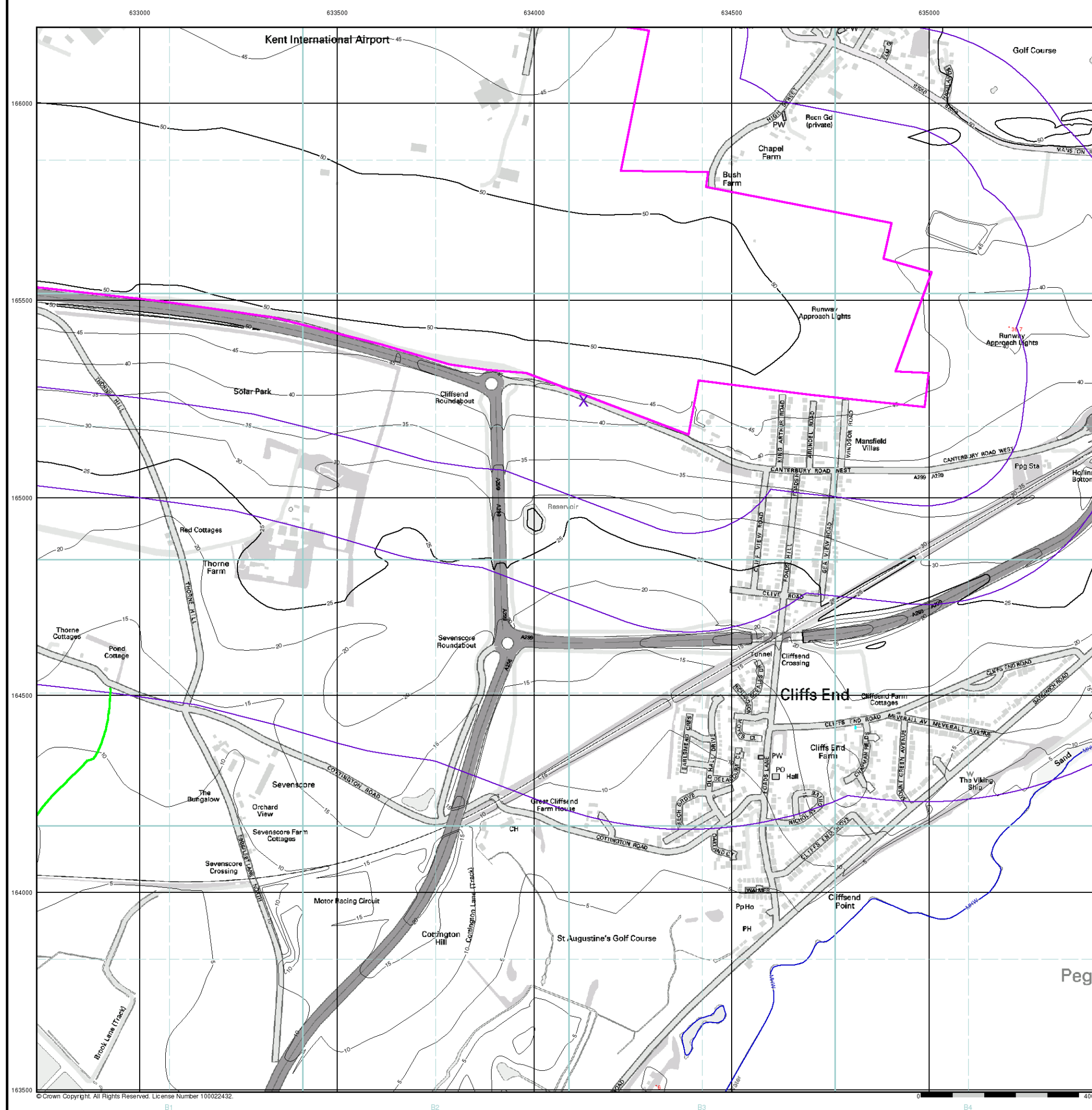


Order Details




Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

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General

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

Risk of Flooding from Surface Water

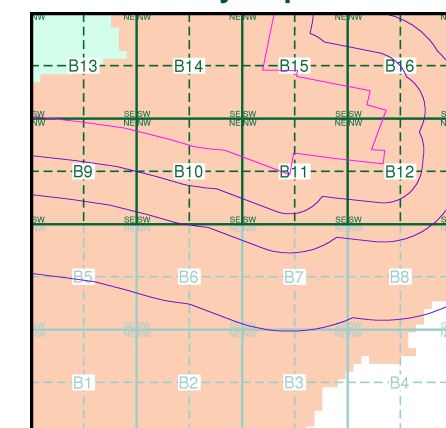
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

Suitability

See the suitability map below

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

EANRW Suitability Map - Slice B

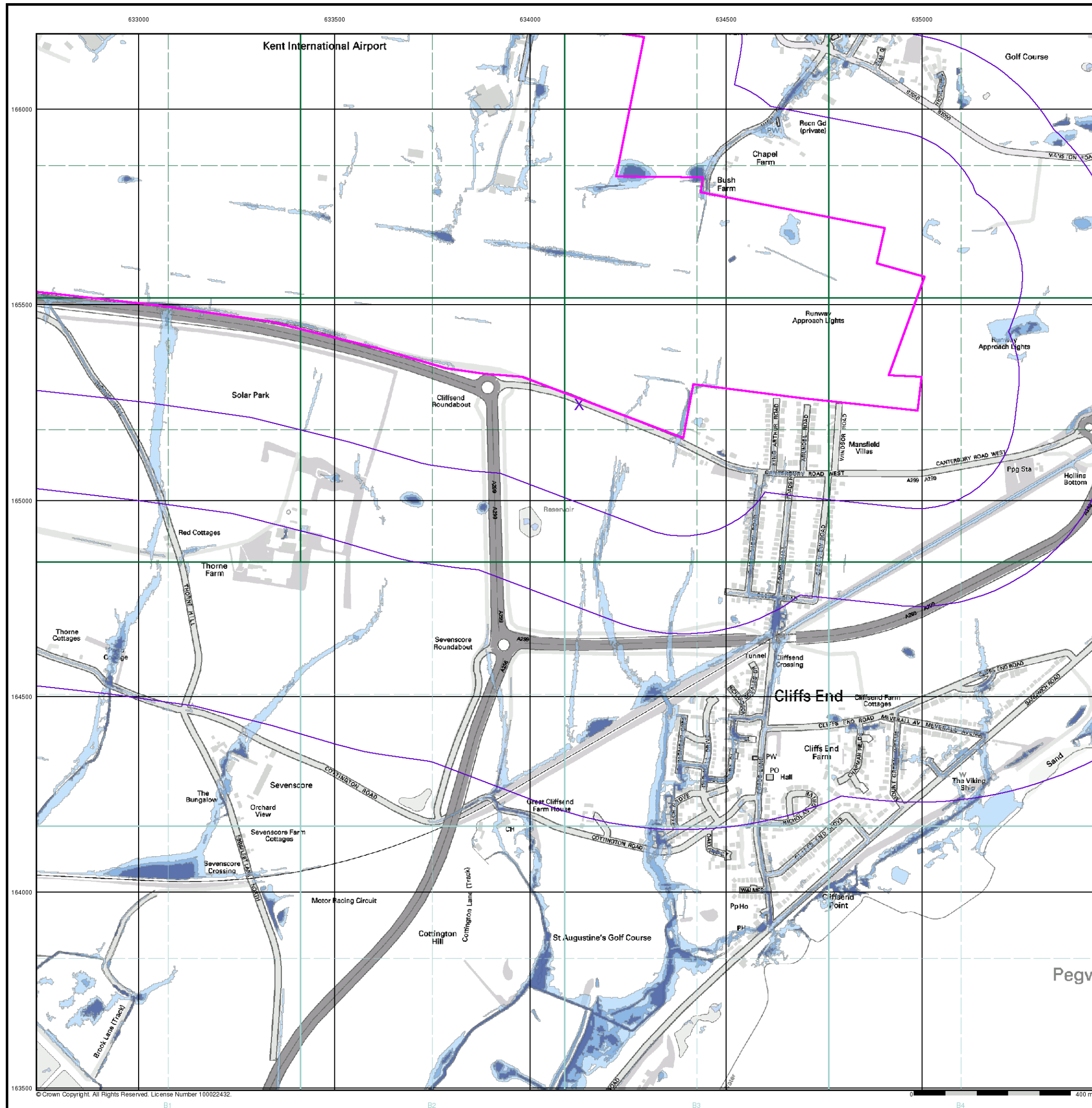


Order Details

Order Number: 82787389_1_1
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 Site Area (Ha): 306.39
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Site Details

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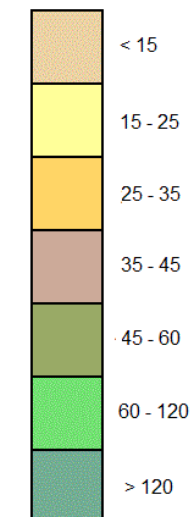


General

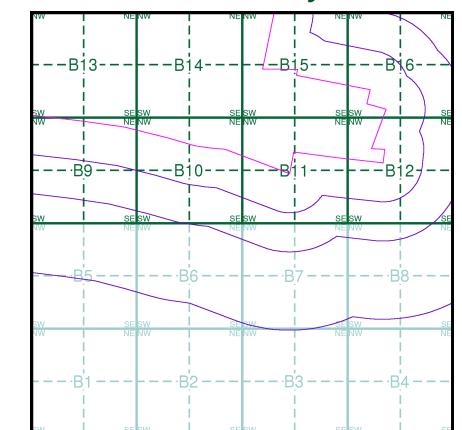
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice B

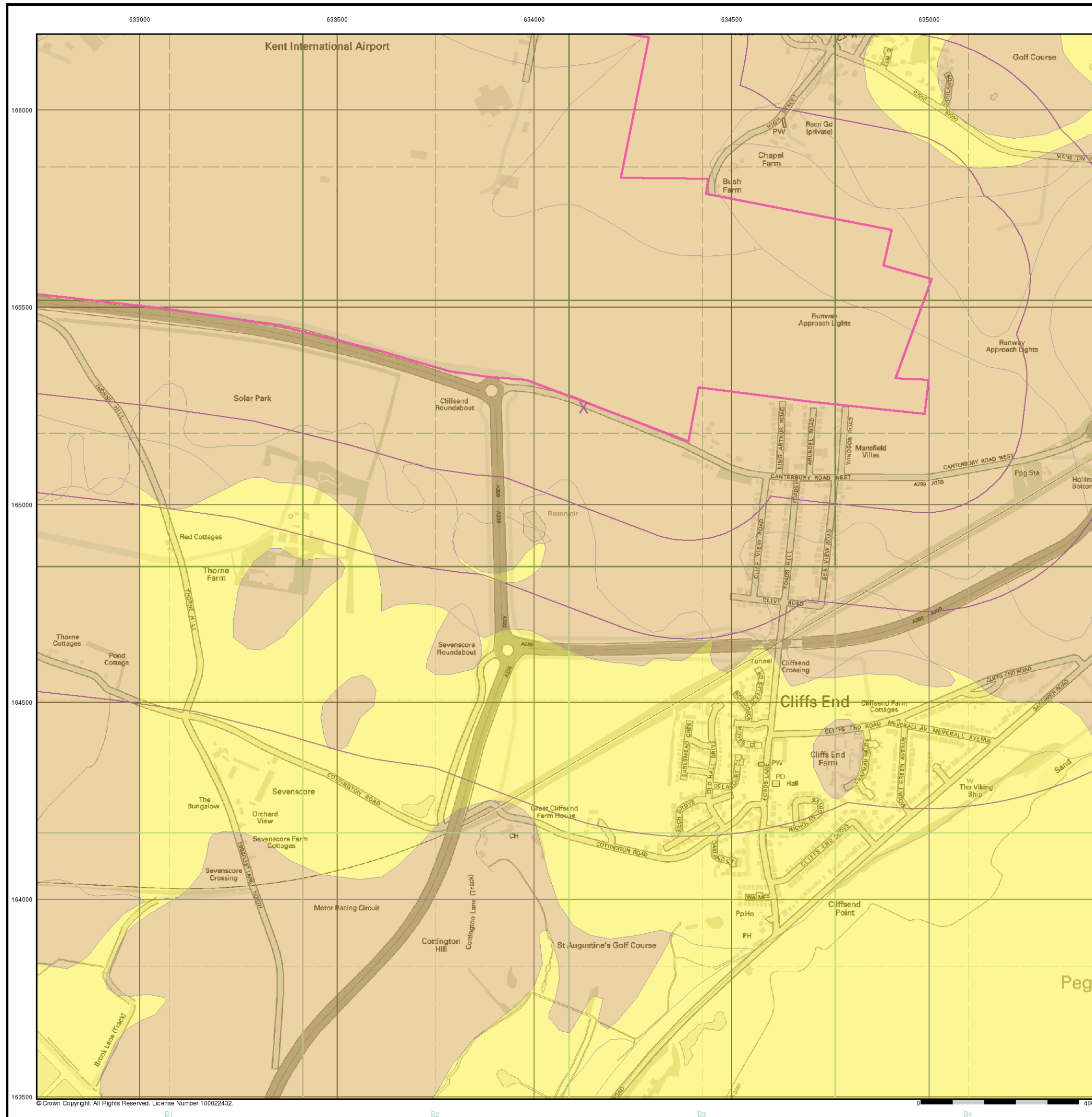


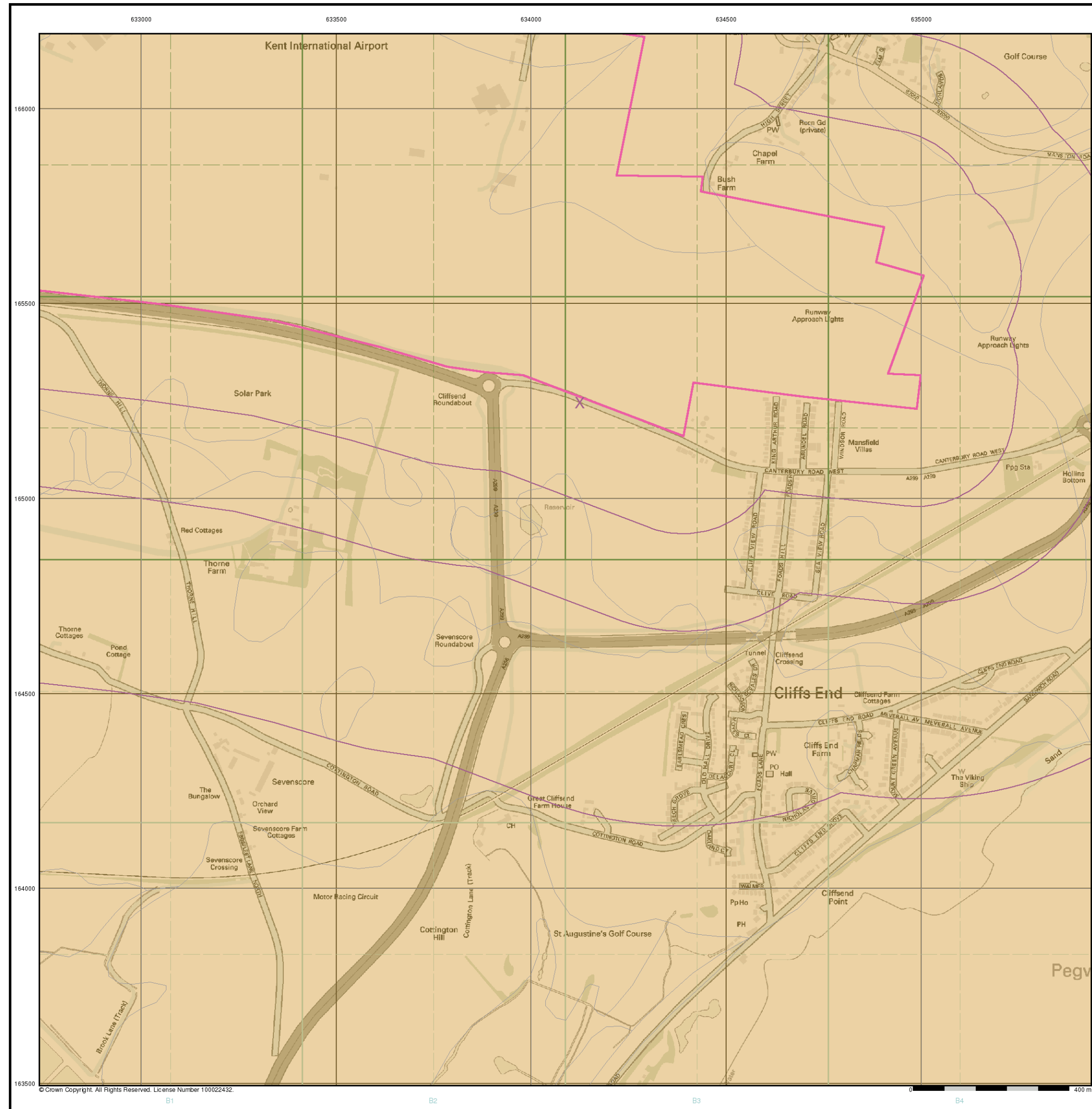
Order Details

Order Details: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

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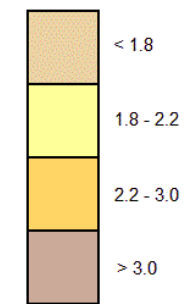


General

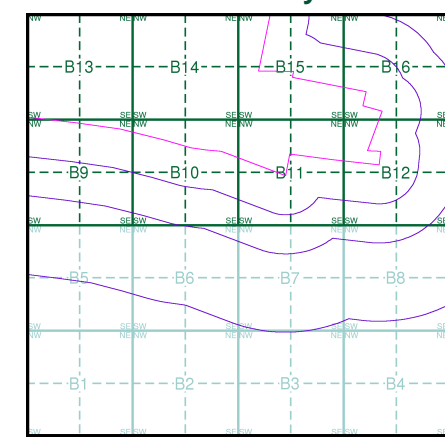
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice B



Order Details

Order Details: 82787389_1_1
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Slice: B
Site Area (Ha): 306.39
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Site Details

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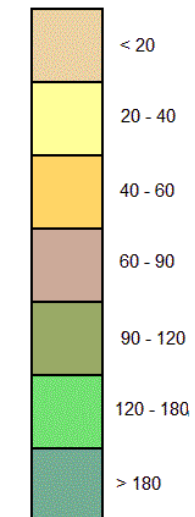
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

General

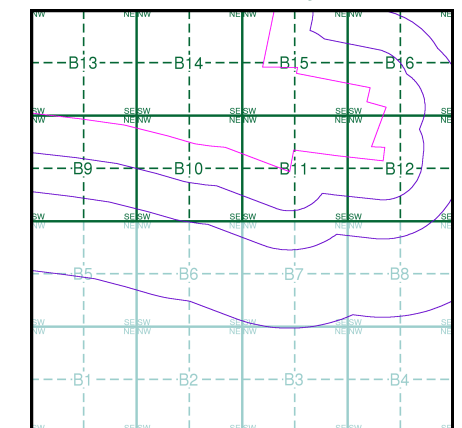
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice B

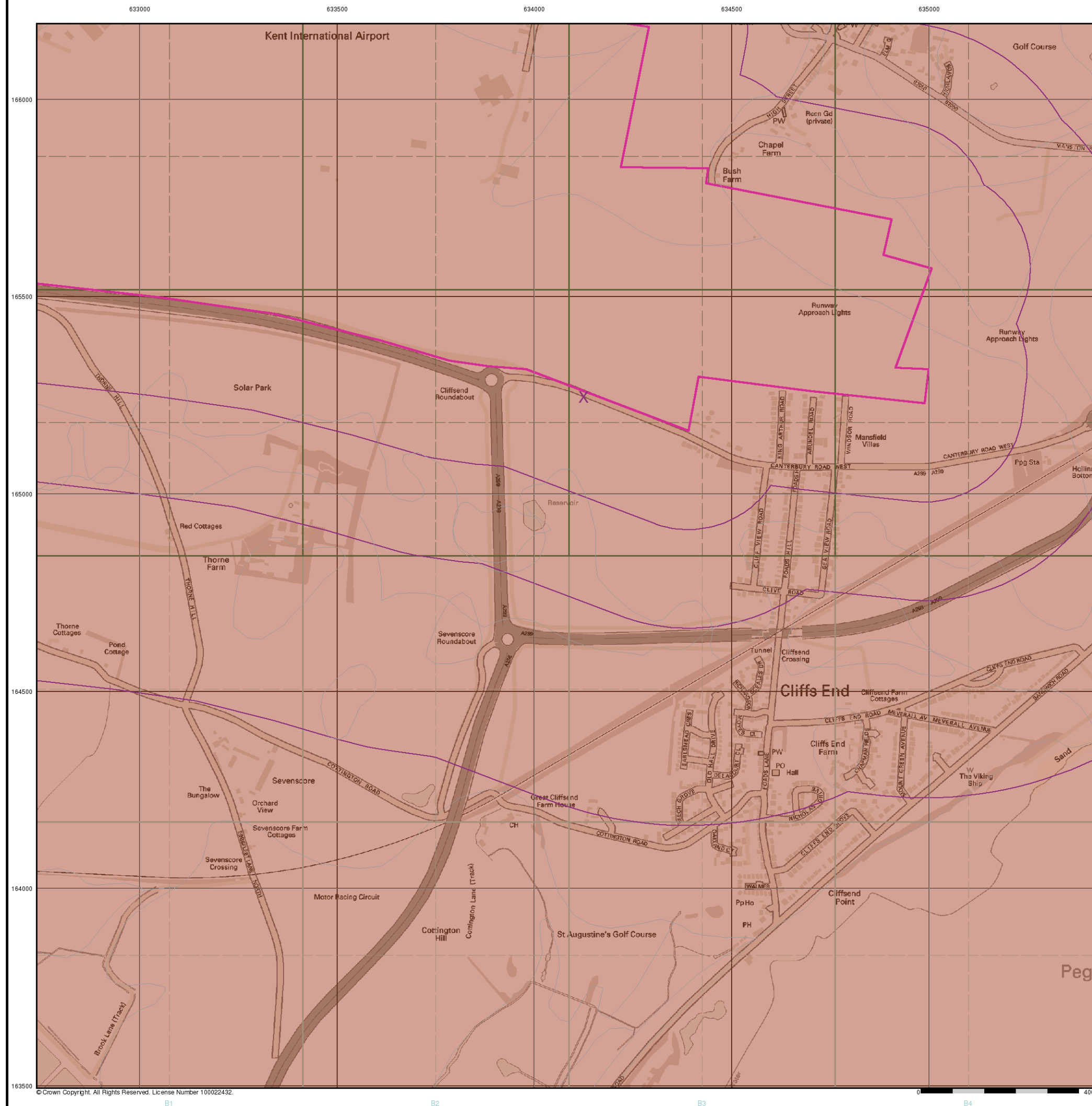


Order Details

Order Details: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 1000

Site Details

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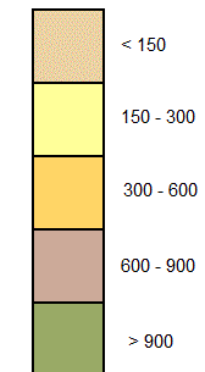


General

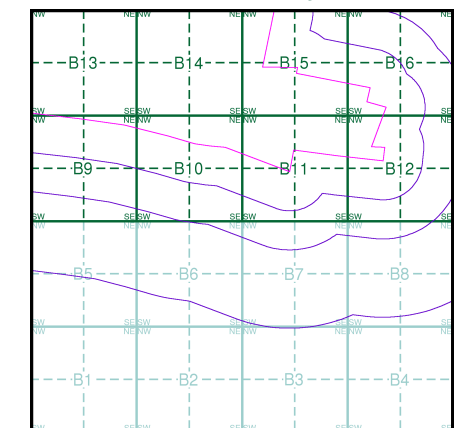
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice B

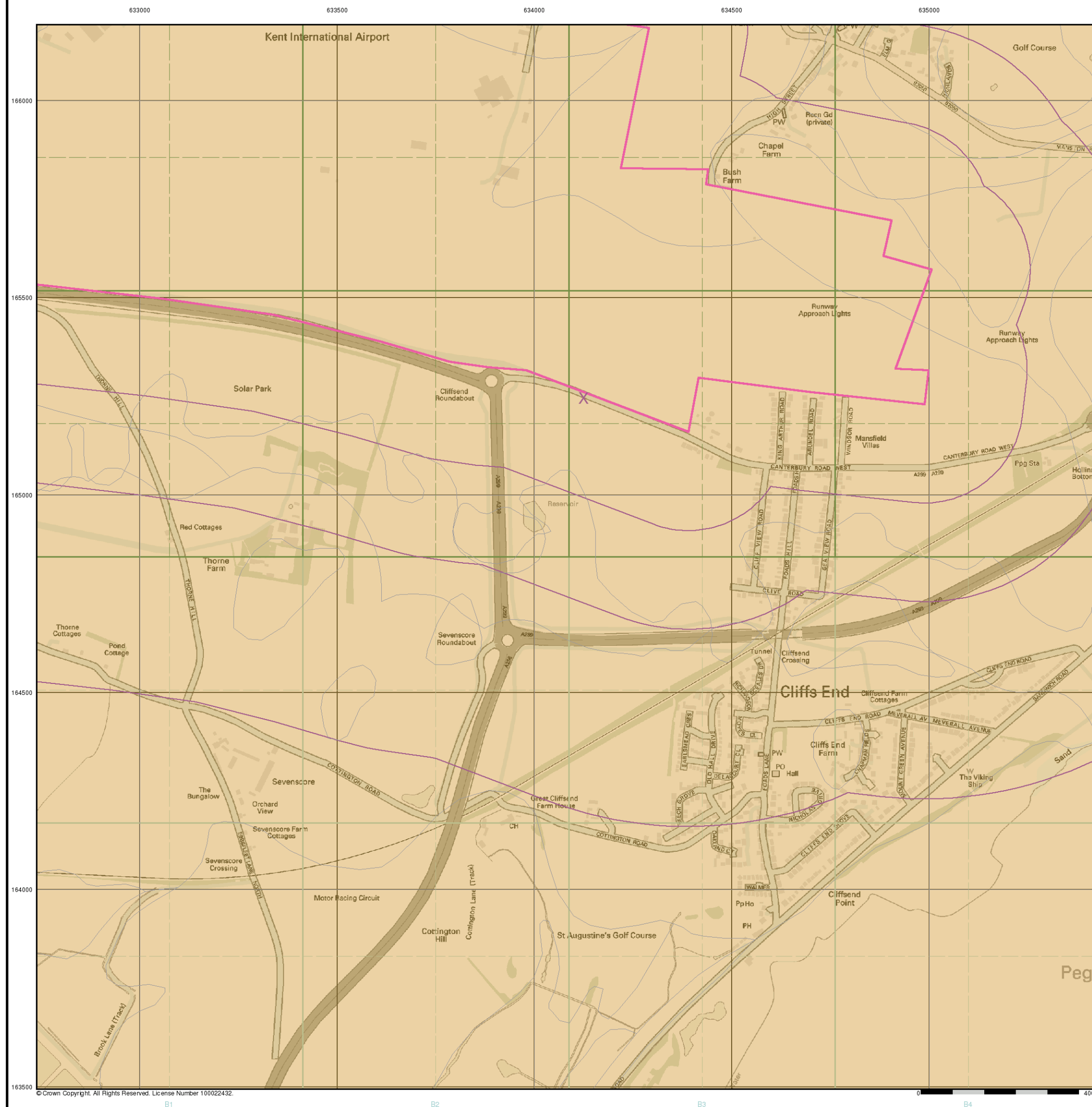


Order Details




Order Details: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
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Site Details

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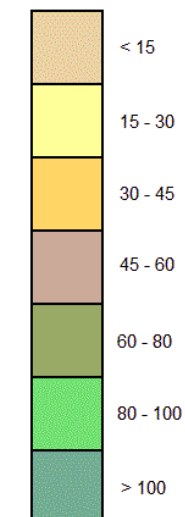


General

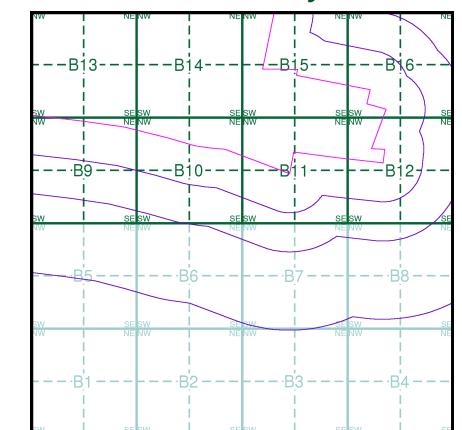
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice B

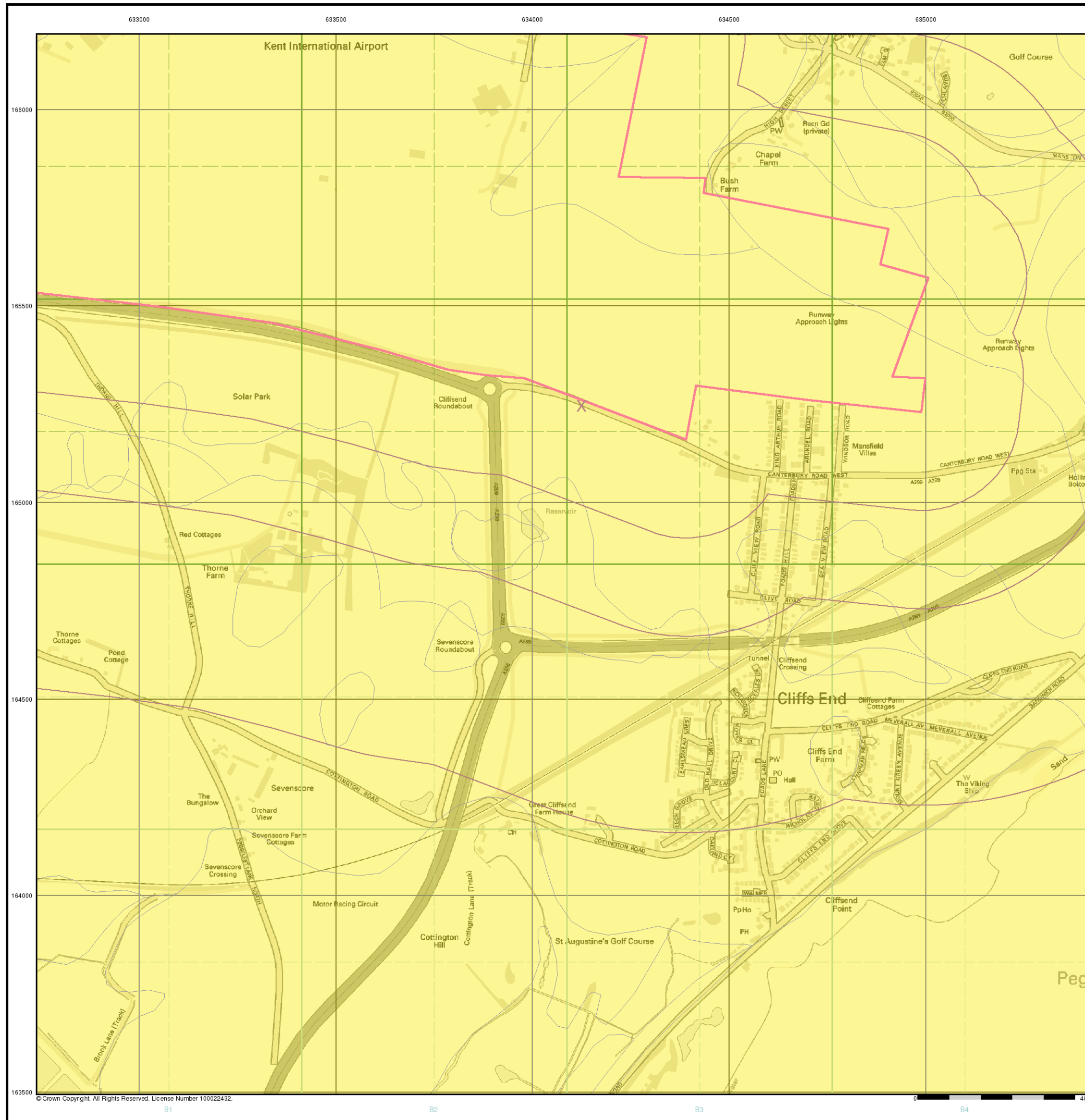


Order Details

Order Details: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 1000

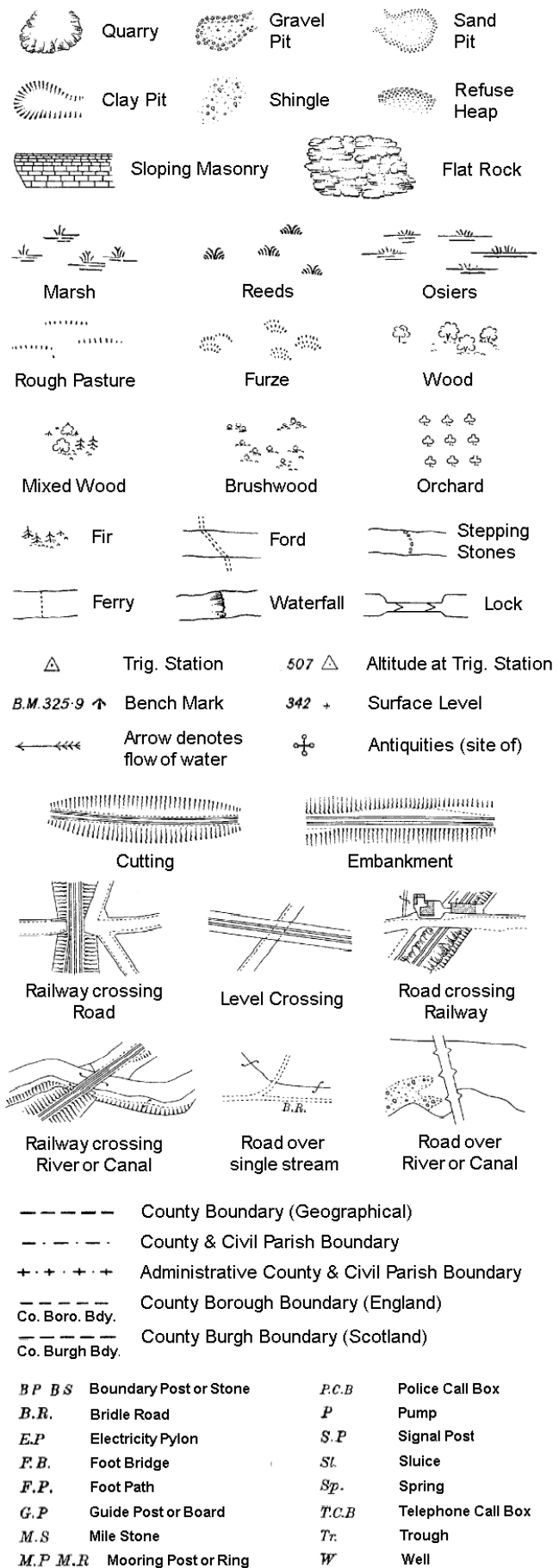
Site Details

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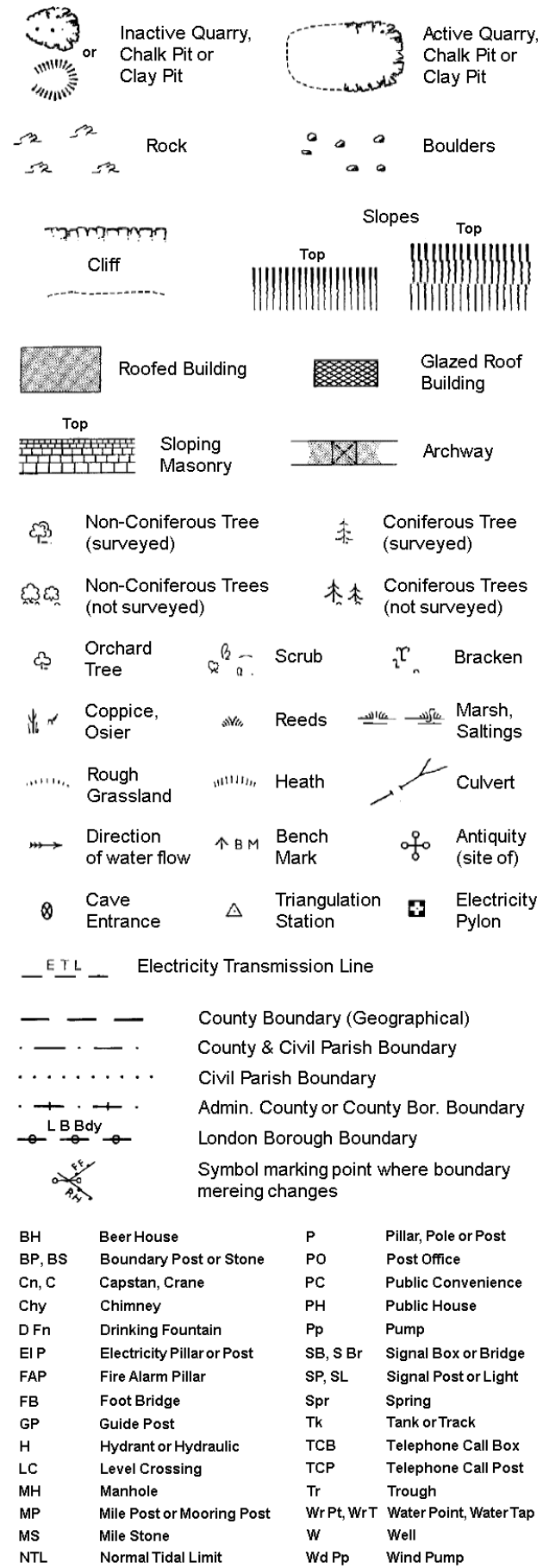


Historical Mapping Legends

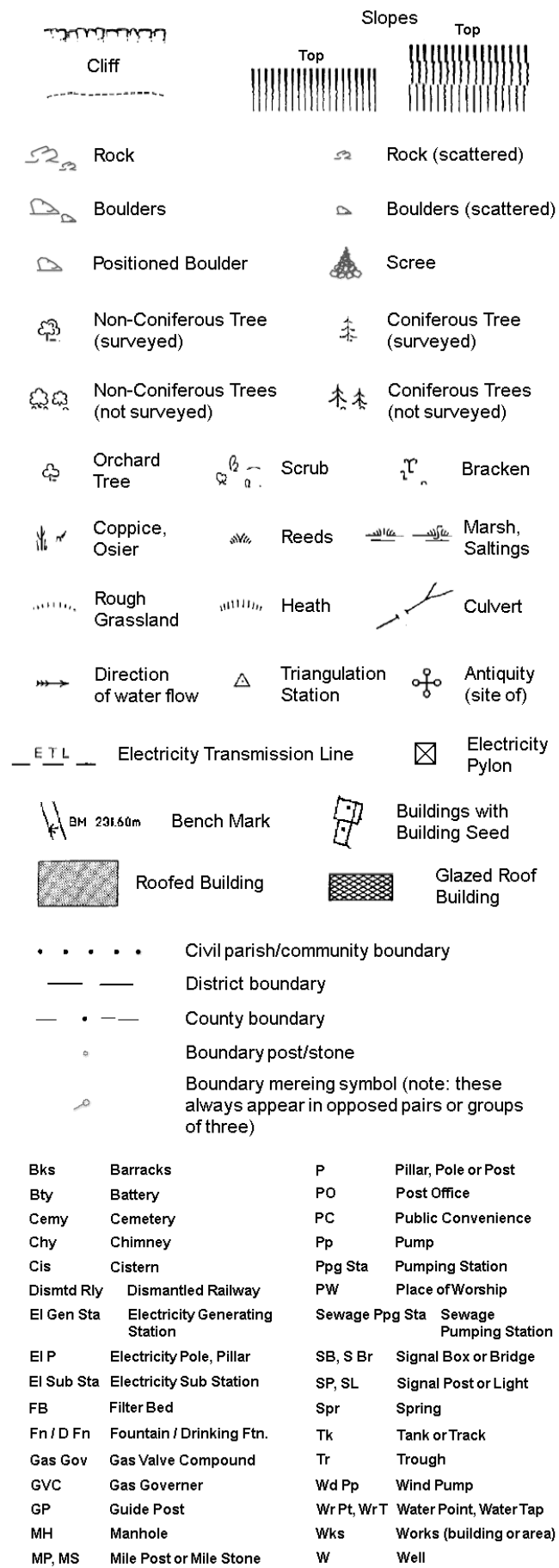
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordinance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information



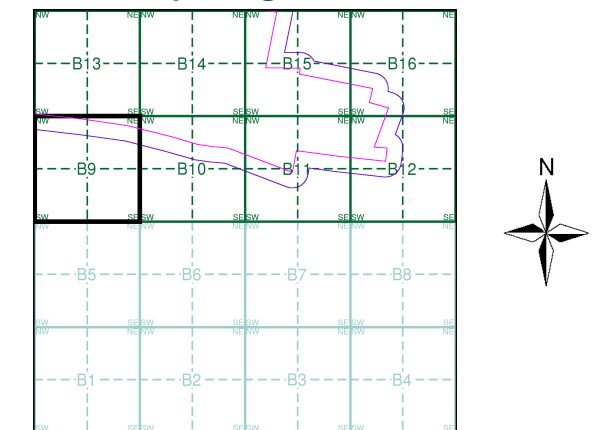
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Additional SIMs	1:2,500	1988	7
Large-Scale National Grid Data	1:2,500	1993	8
Large-Scale National Grid Data	1:2,500	1995	9

Historical Map - Segment B9



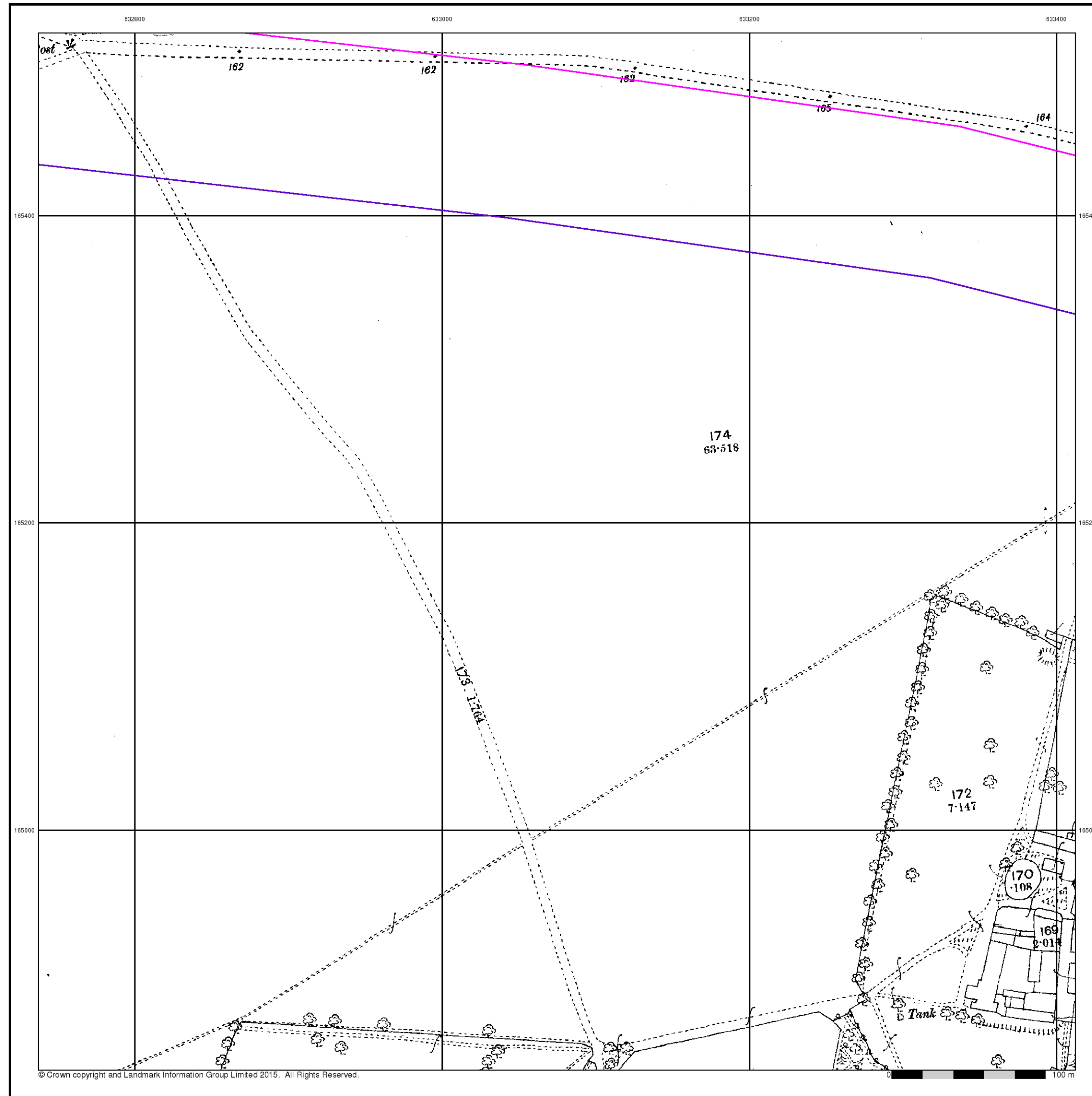
Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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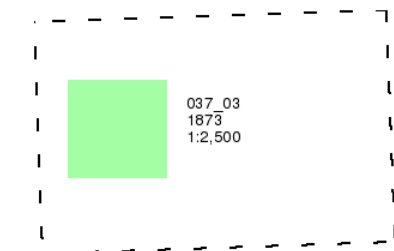
Kent

Published 1873

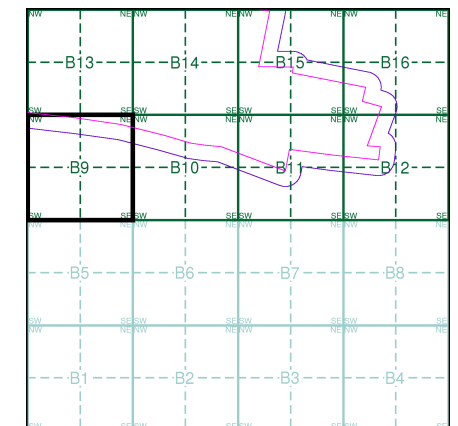
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B9



Order Details

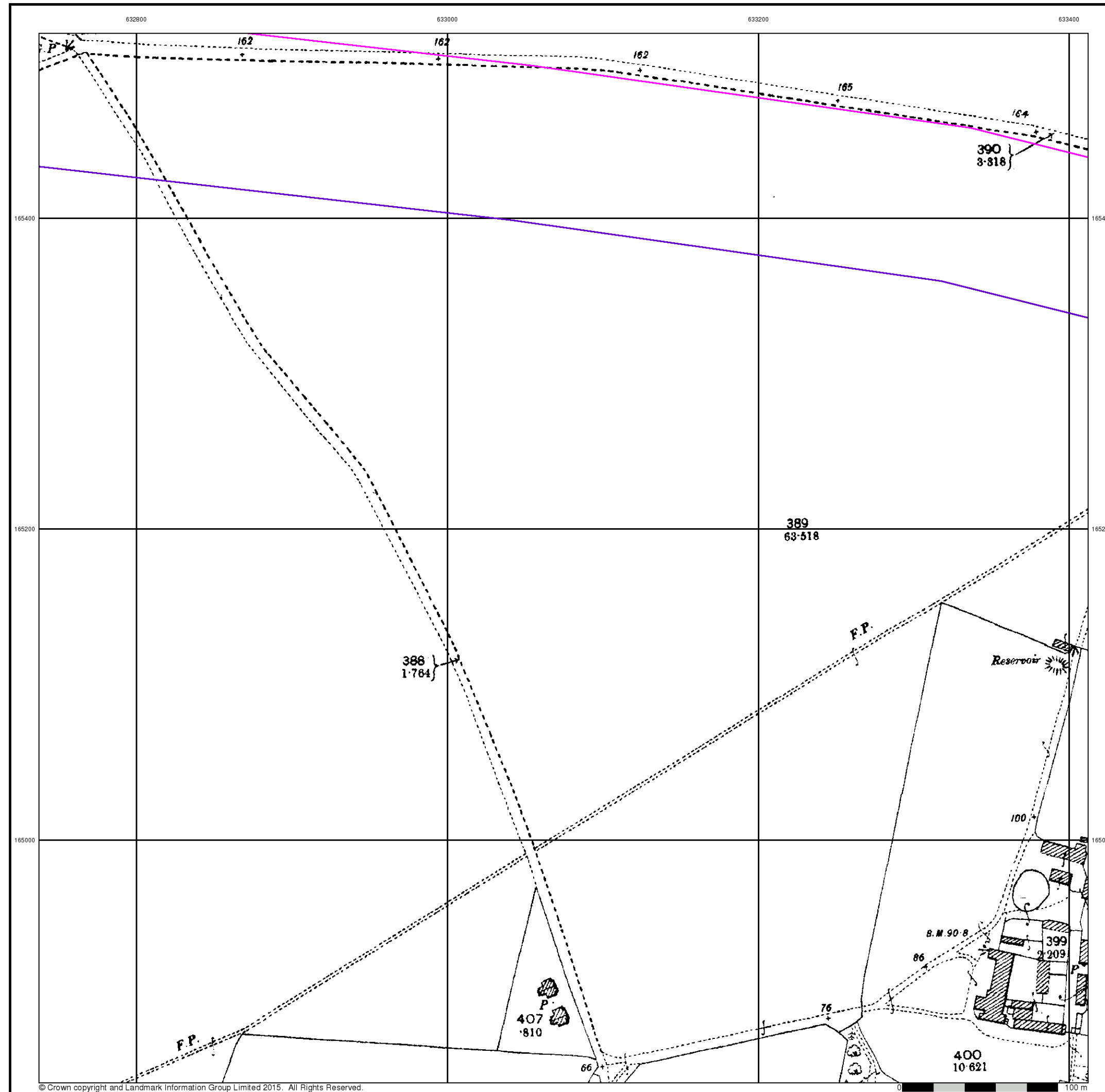
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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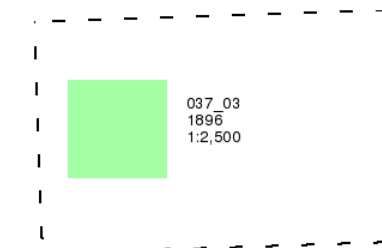
Kent

Published 1896

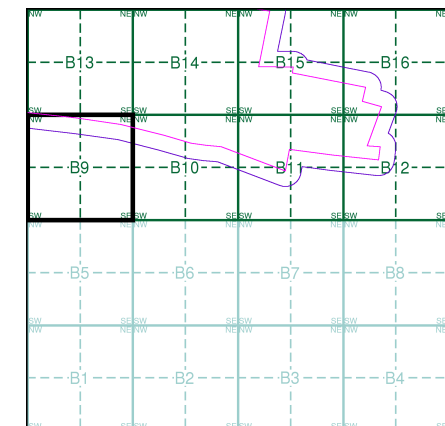
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B9



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

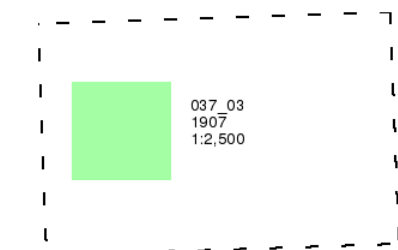
Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



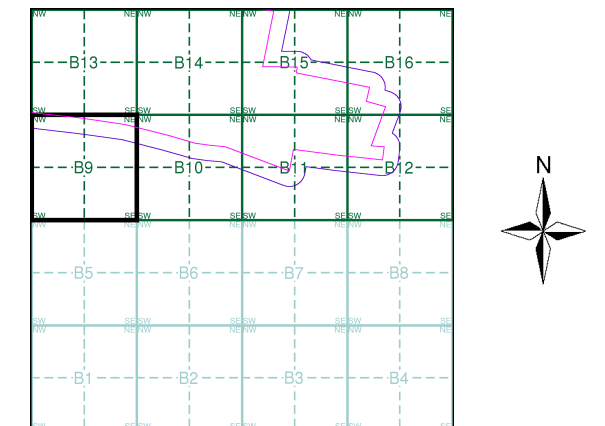
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Map Name(s) and Date(s)



Historical Map - Segment B9



Order Details

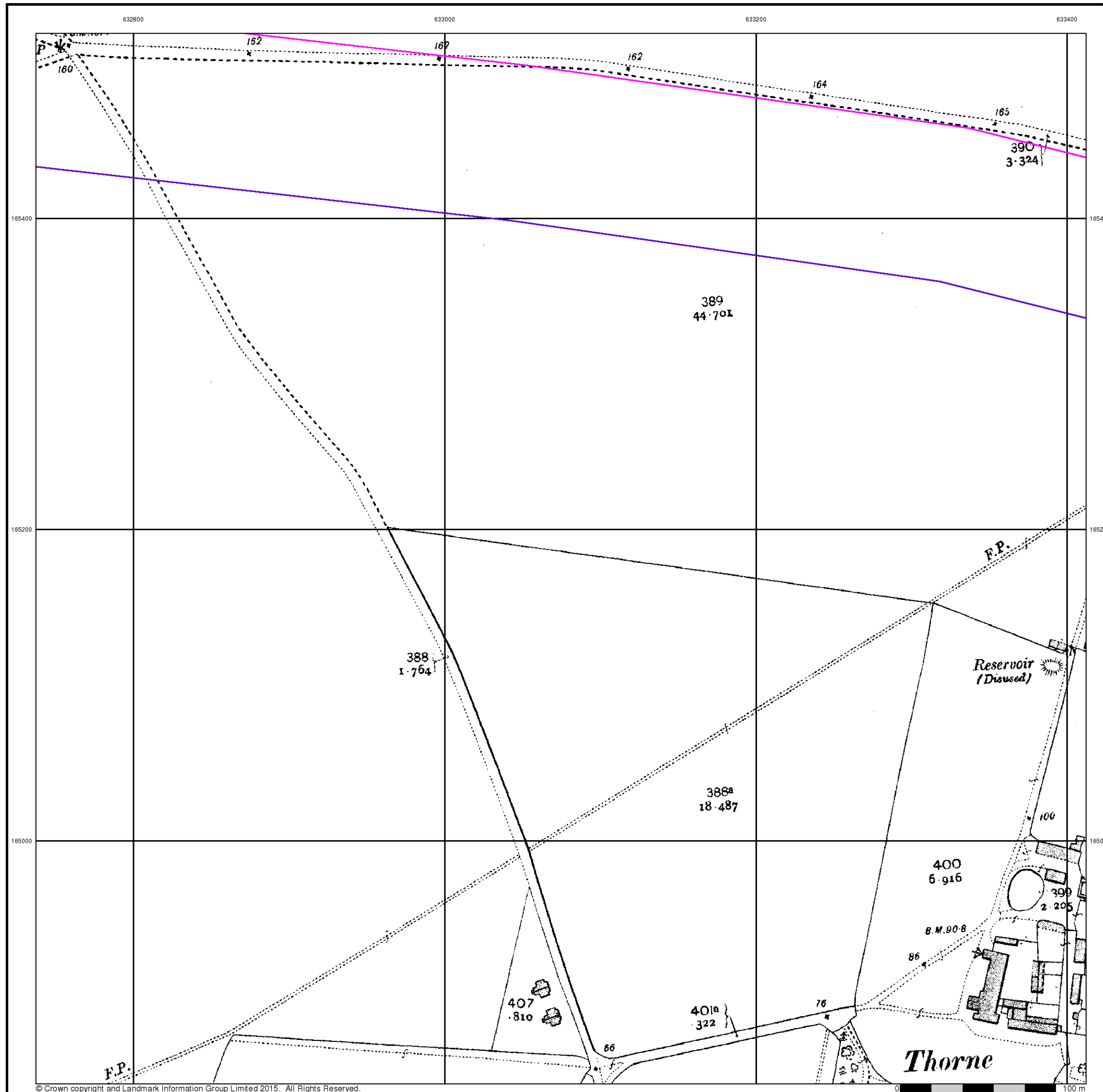
Order Number: 82787389_1_1
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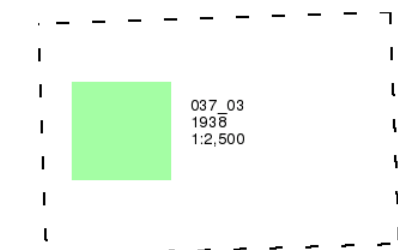
Kent

Published 1938

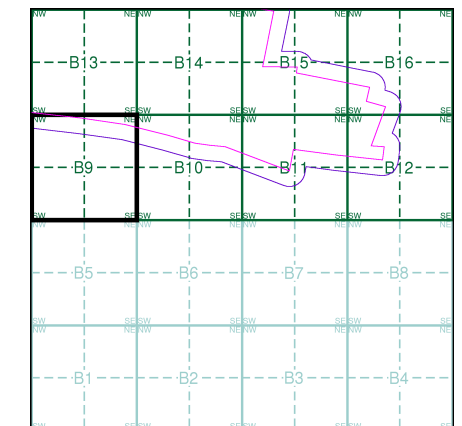
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B9

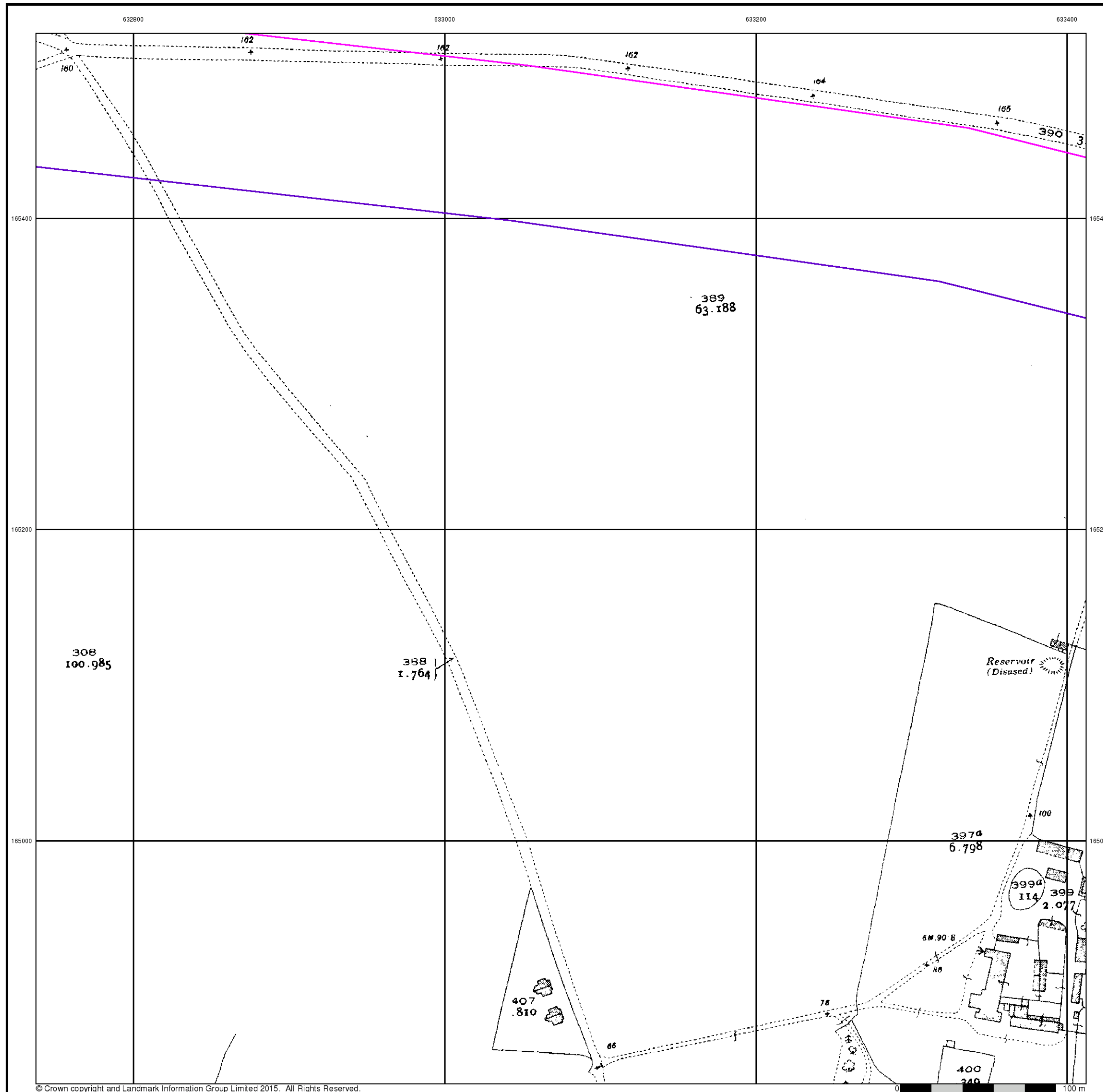


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1963 - 1964

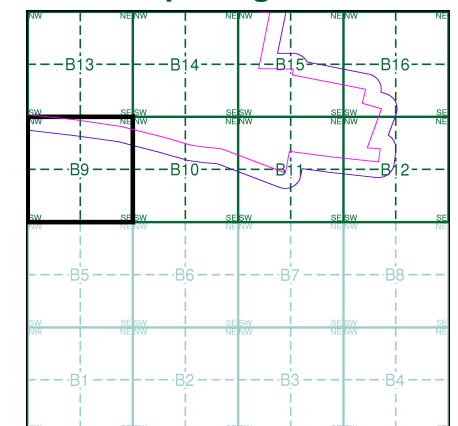
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3285 1963 1:2,500	TR3365 1963 1:2,500
TR3264 1964 1:2,500	TR3364 1964 1:2,500

Historical Map - Segment B9

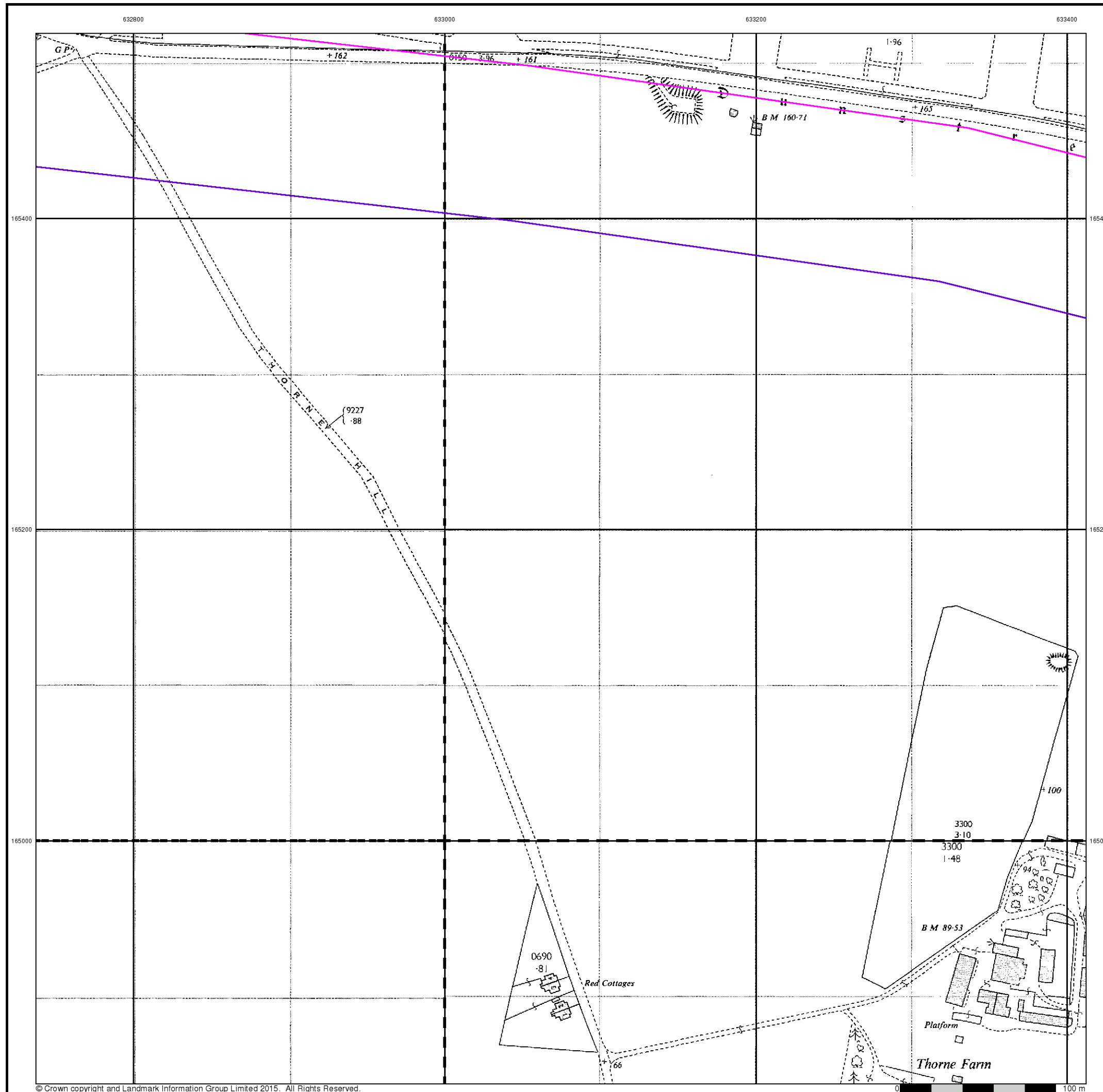


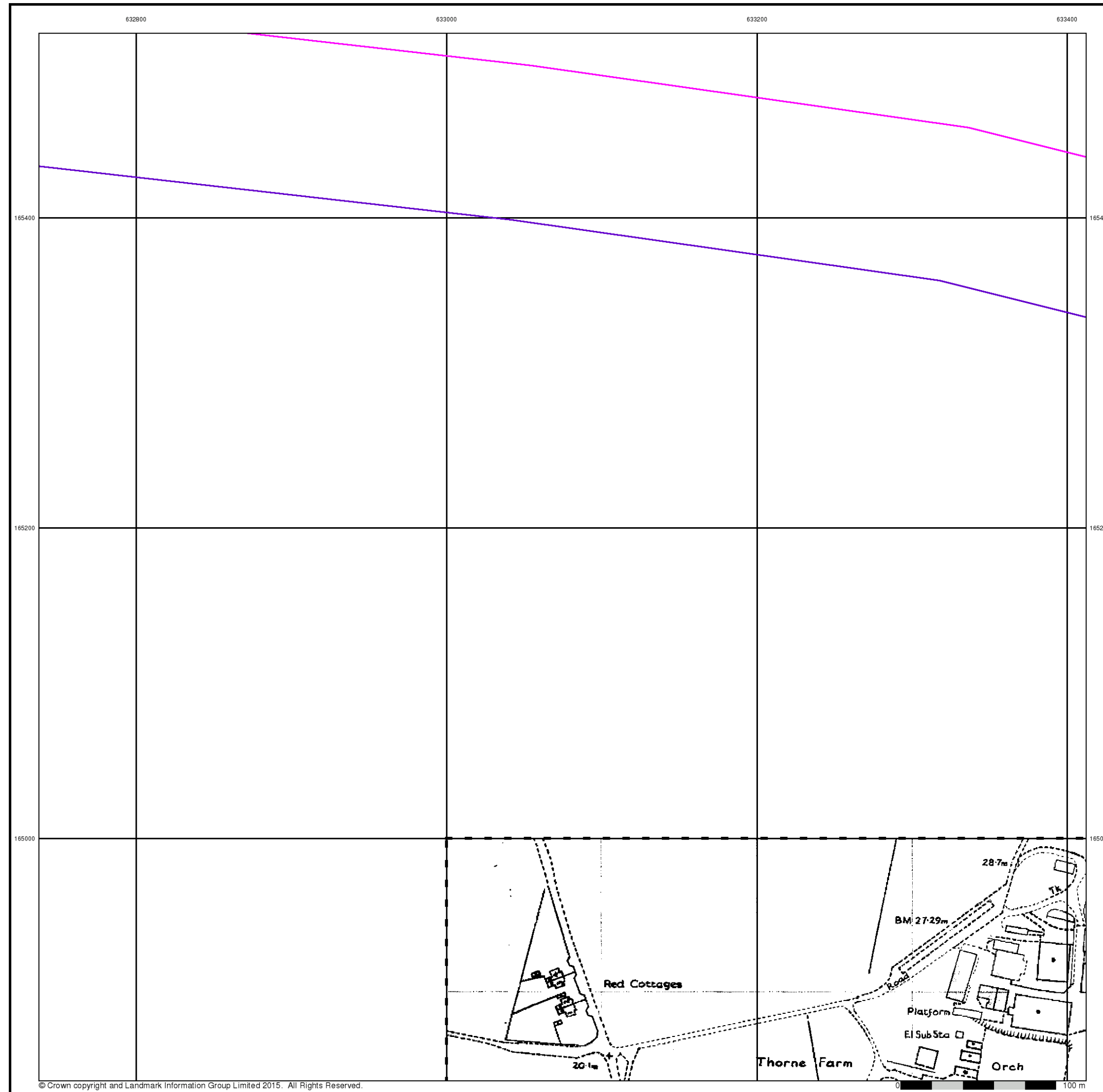
Order Details

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Site Details

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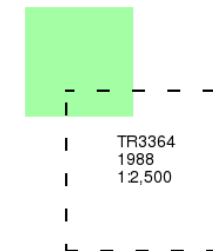
Additional SIMs

Published 1988

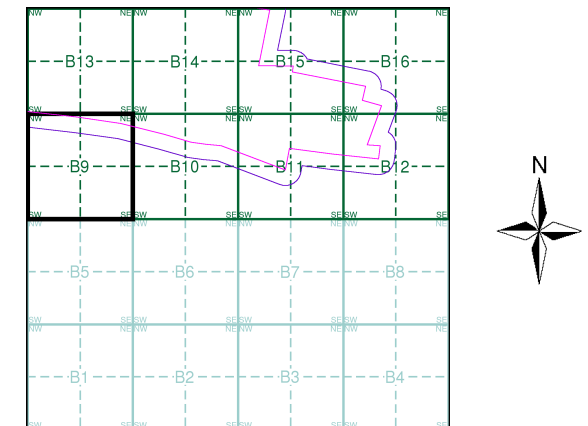
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B9



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
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Large-Scale National Grid Data

Published 1993

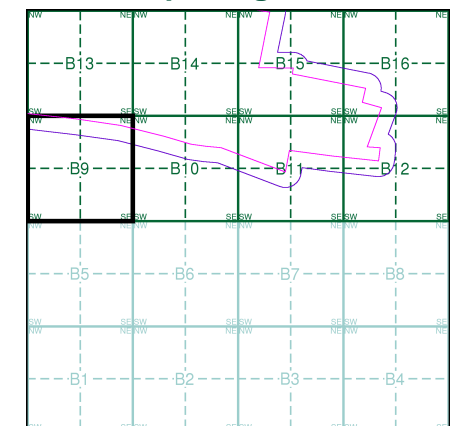
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3265 1993 1:2,500	TR3365 1993 1:2,500
TR3264 1993 1:2,500	TR3364 1993 1:2,500

Historical Map - Segment B9

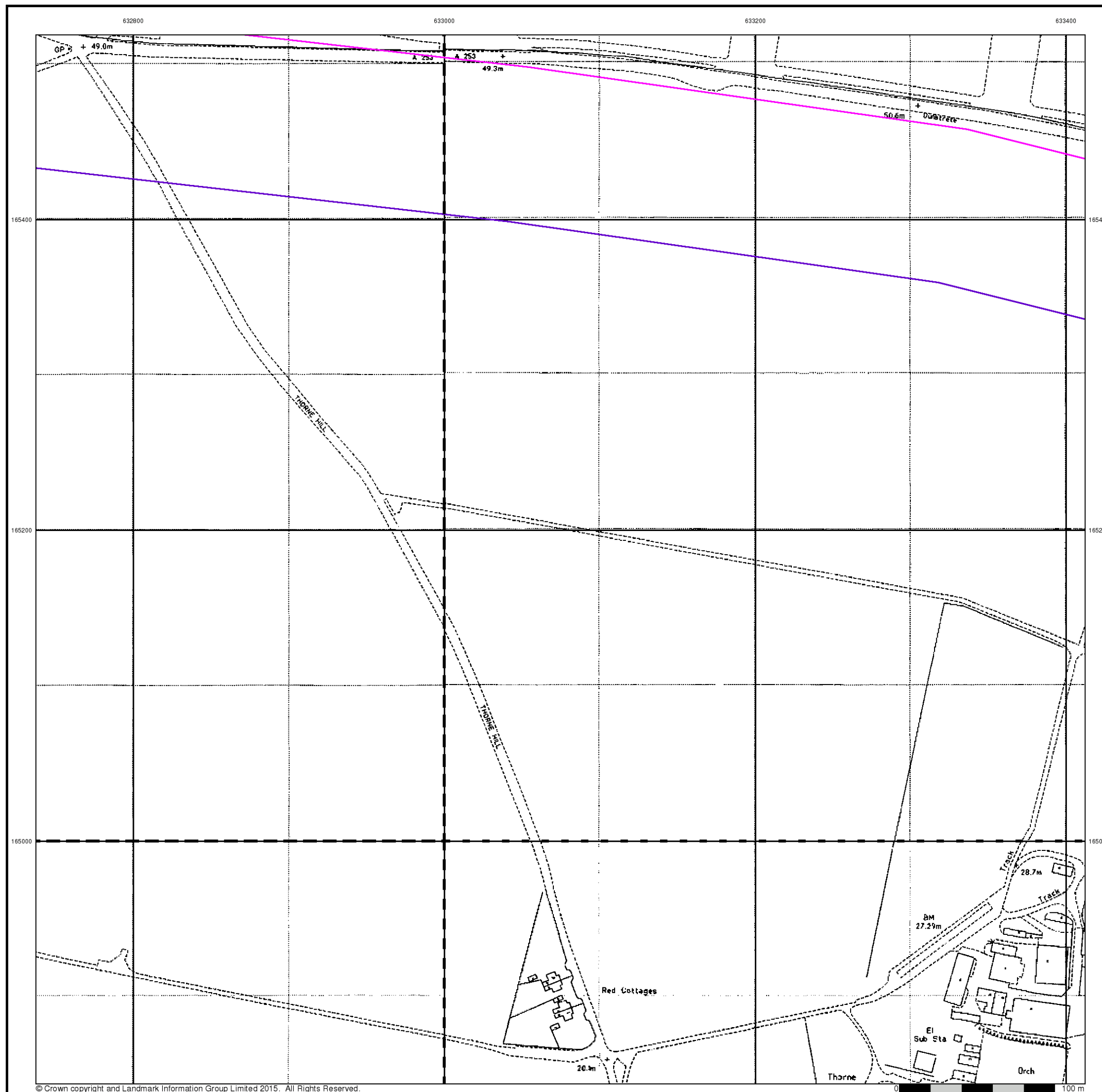


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



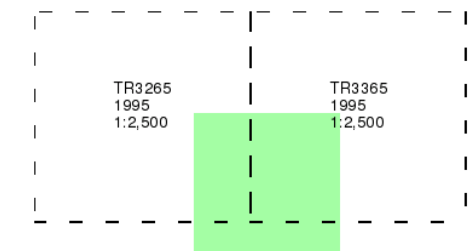
Large-Scale National Grid Data

Published 1995

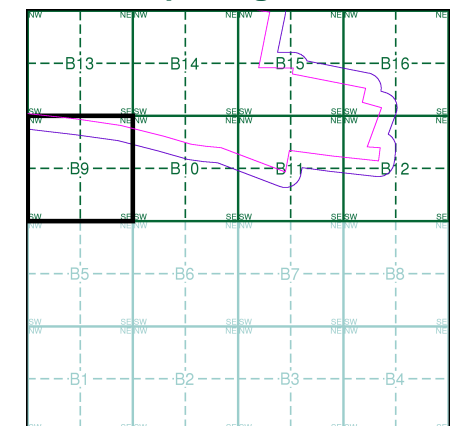
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B9

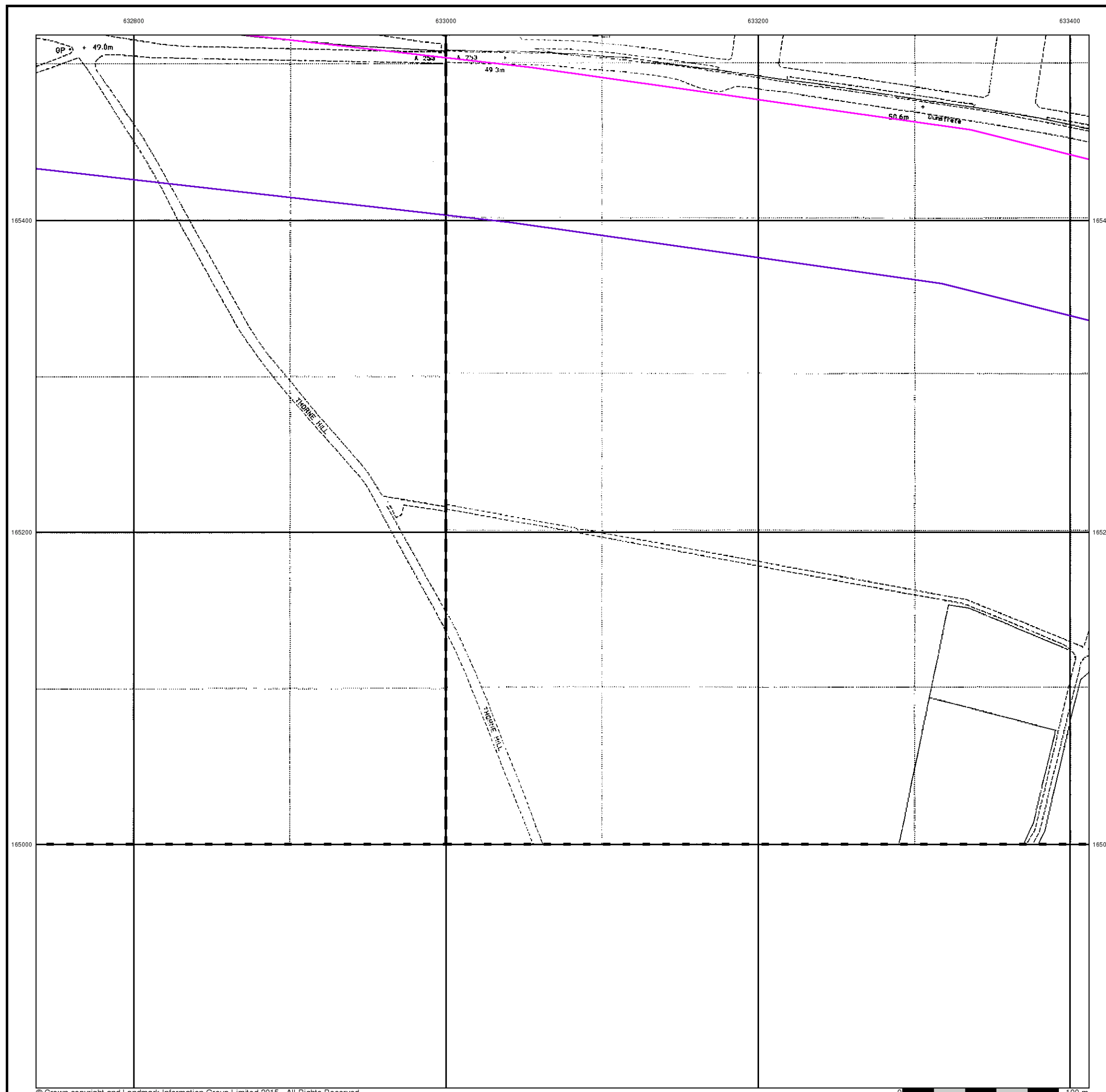


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 100

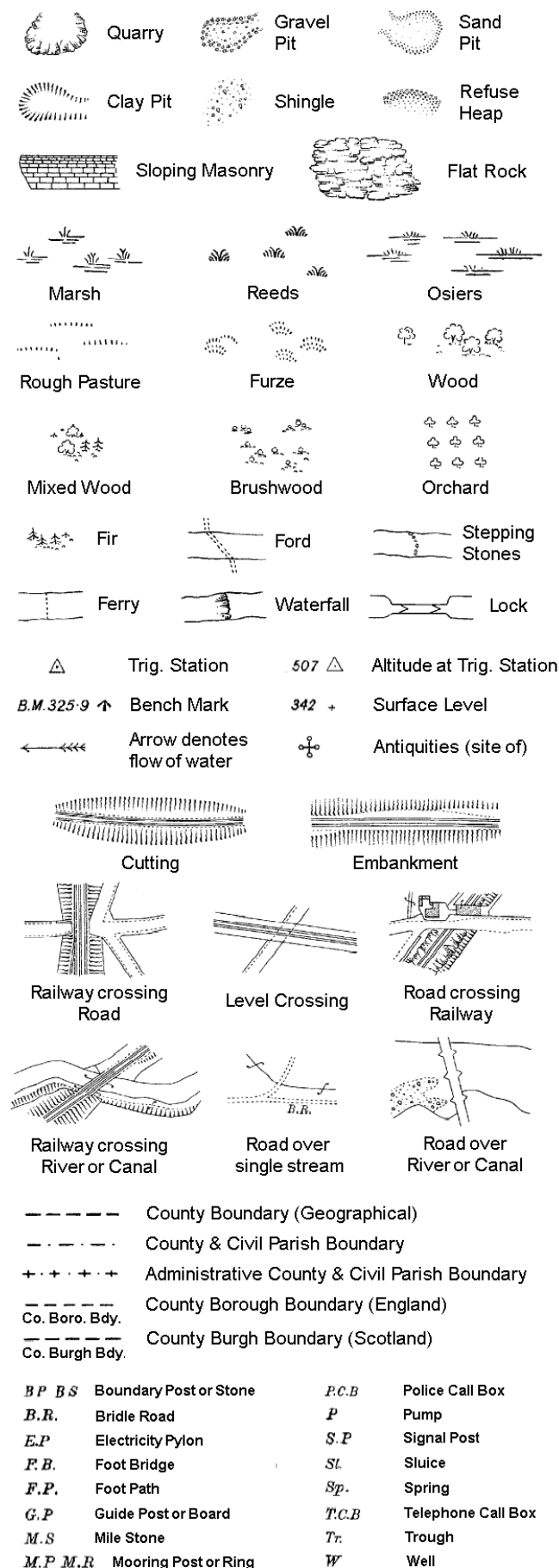
Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL

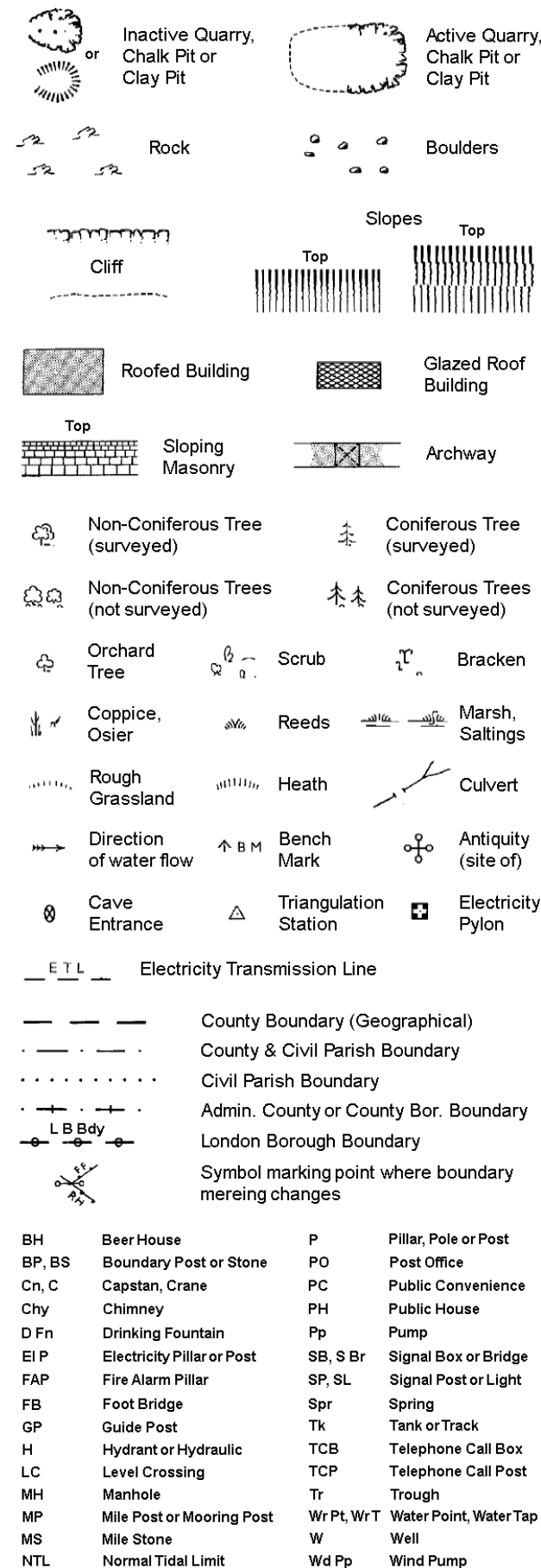


Historical Mapping Legends

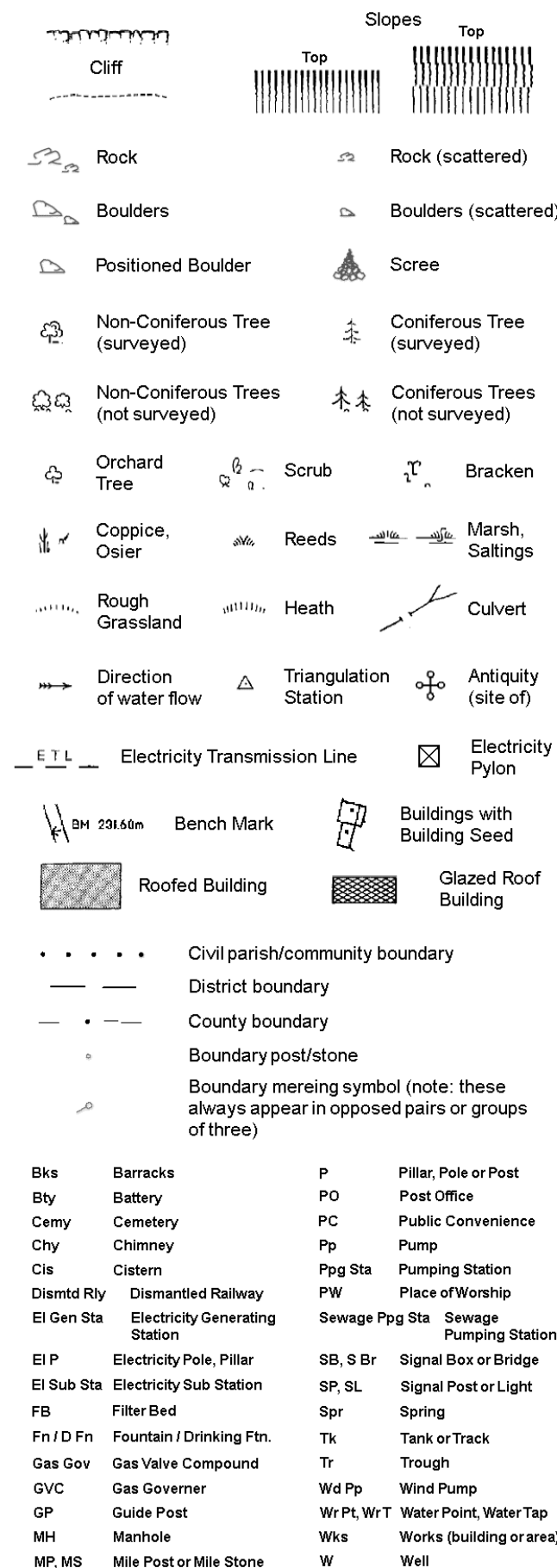
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



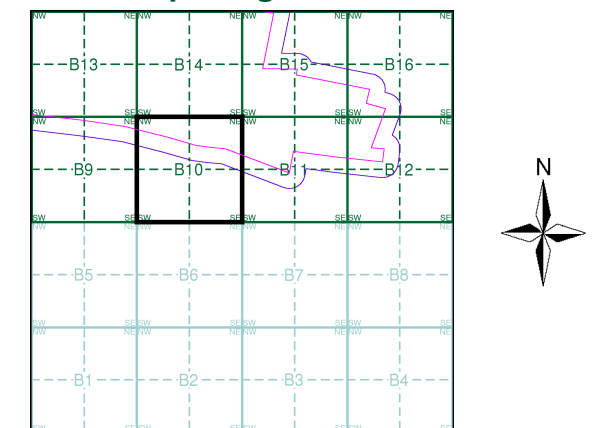
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Ordnance Survey Plan	1:2,500	1973 - 1977	7
Additional SIMs	1:2,500	1977 - 1988	8
Additional SIMs	1:2,500	1979	9
Ordnance Survey Plan	1:2,500	1982 - 1984	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1995	12

Historical Map - Segment B10



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



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

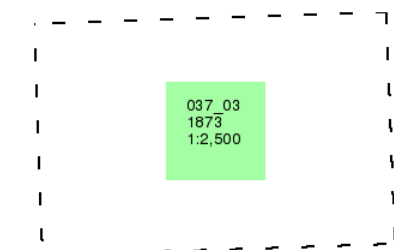
Kent

Published 1873

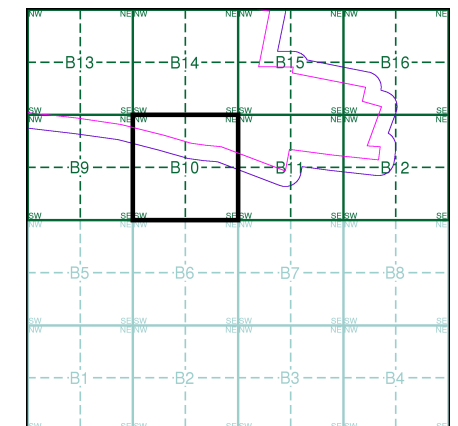
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B10

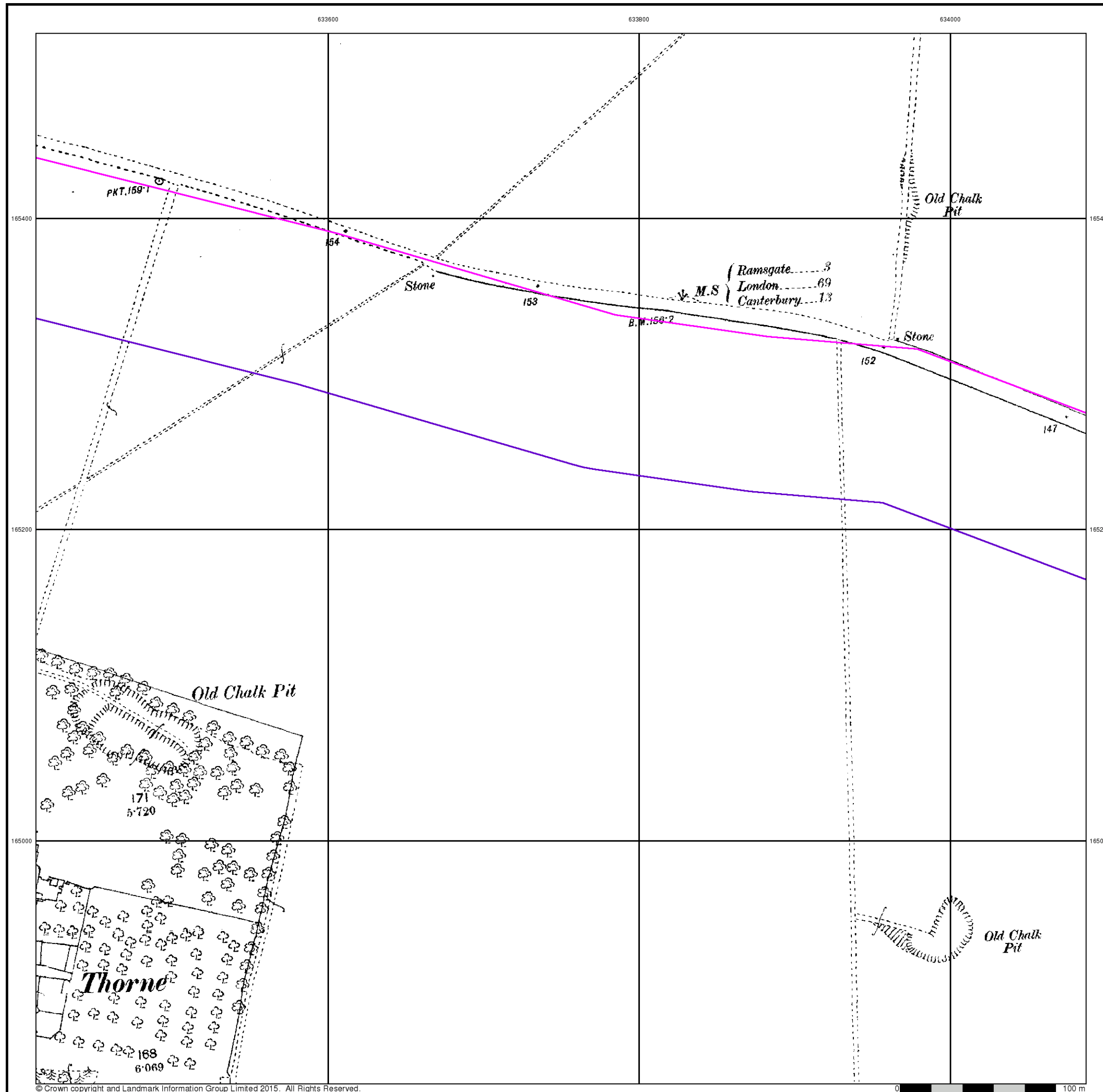


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
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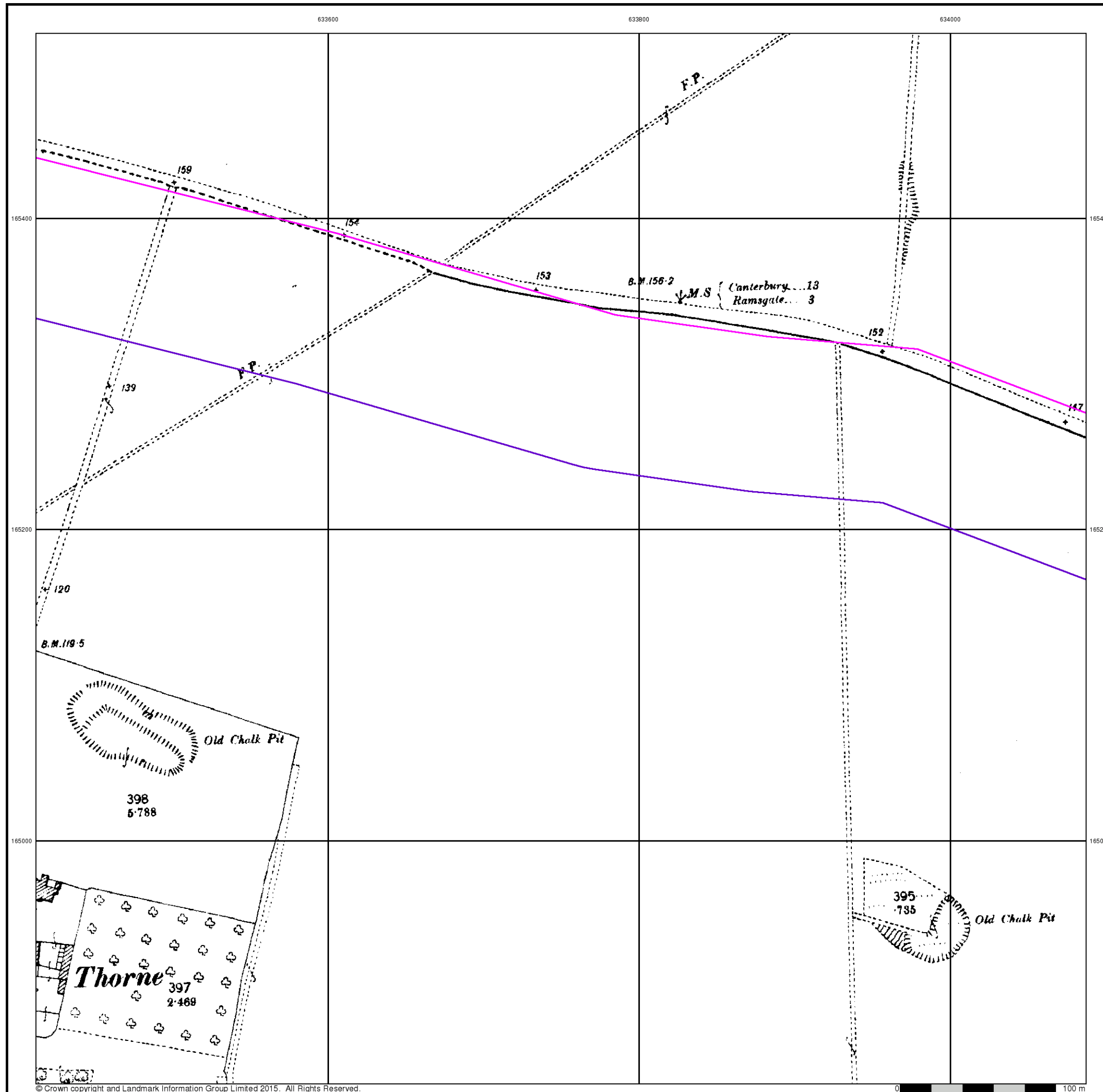


Map Name(s) and Date(s)



Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Kent International Airport Ltd, Kent International Airport,
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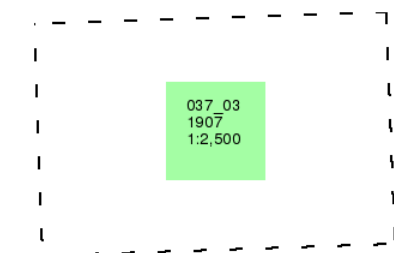
Kent

Published 1907

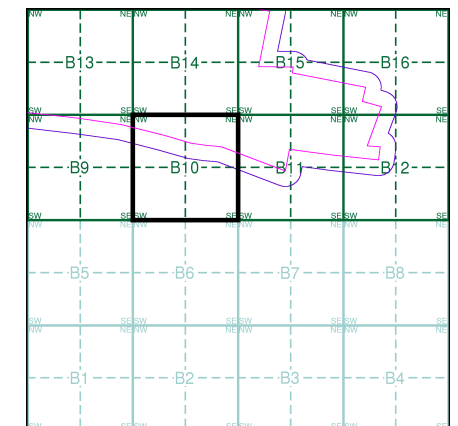
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B10

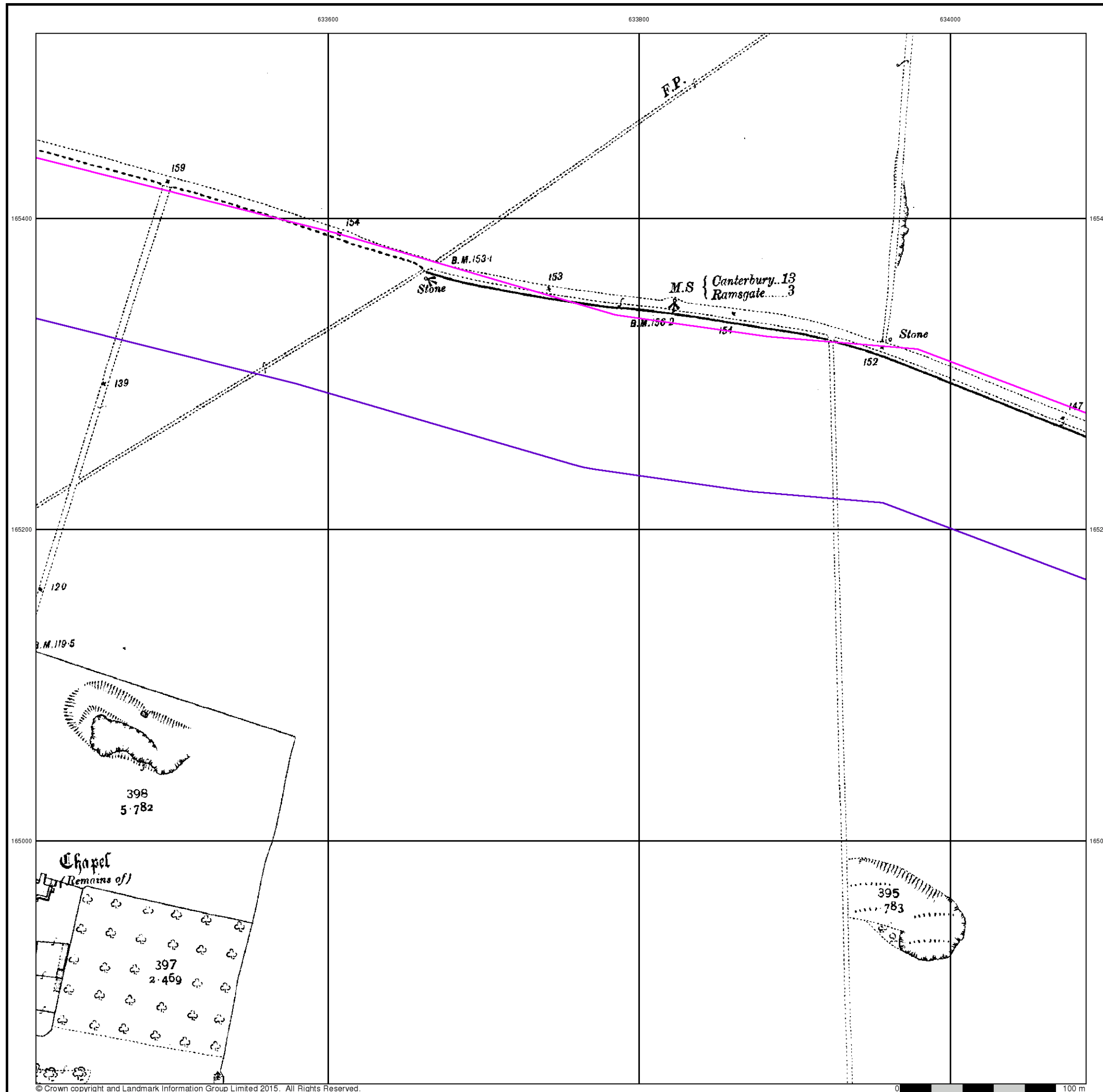


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

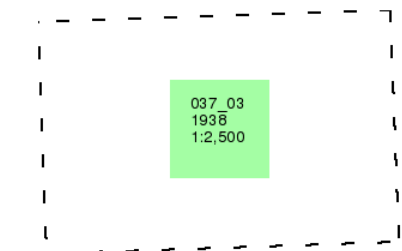
Site Details

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Manston, RAMSGATE, Kent, CT12 5BL

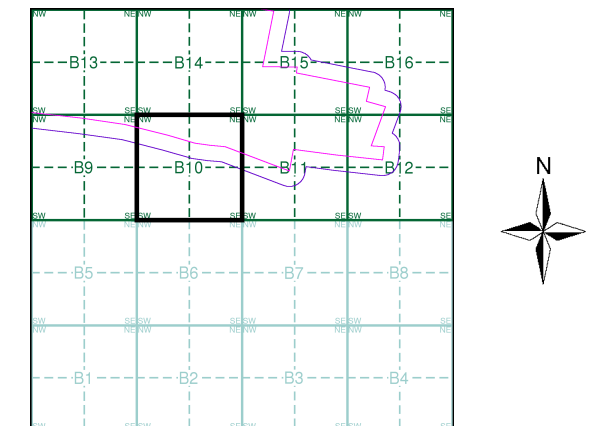




Map Name(s) and Date(s)



Historical Map - Segment B10



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1963 - 1964

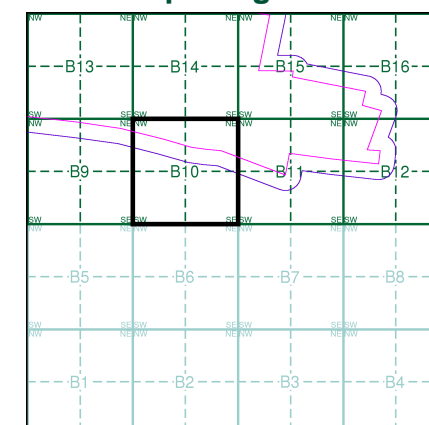
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3365 1963 12,500	TR3465 1963 12,500
TR3364 1964 12,500	TR3464 1963 12,500

Historical Map - Segment B10



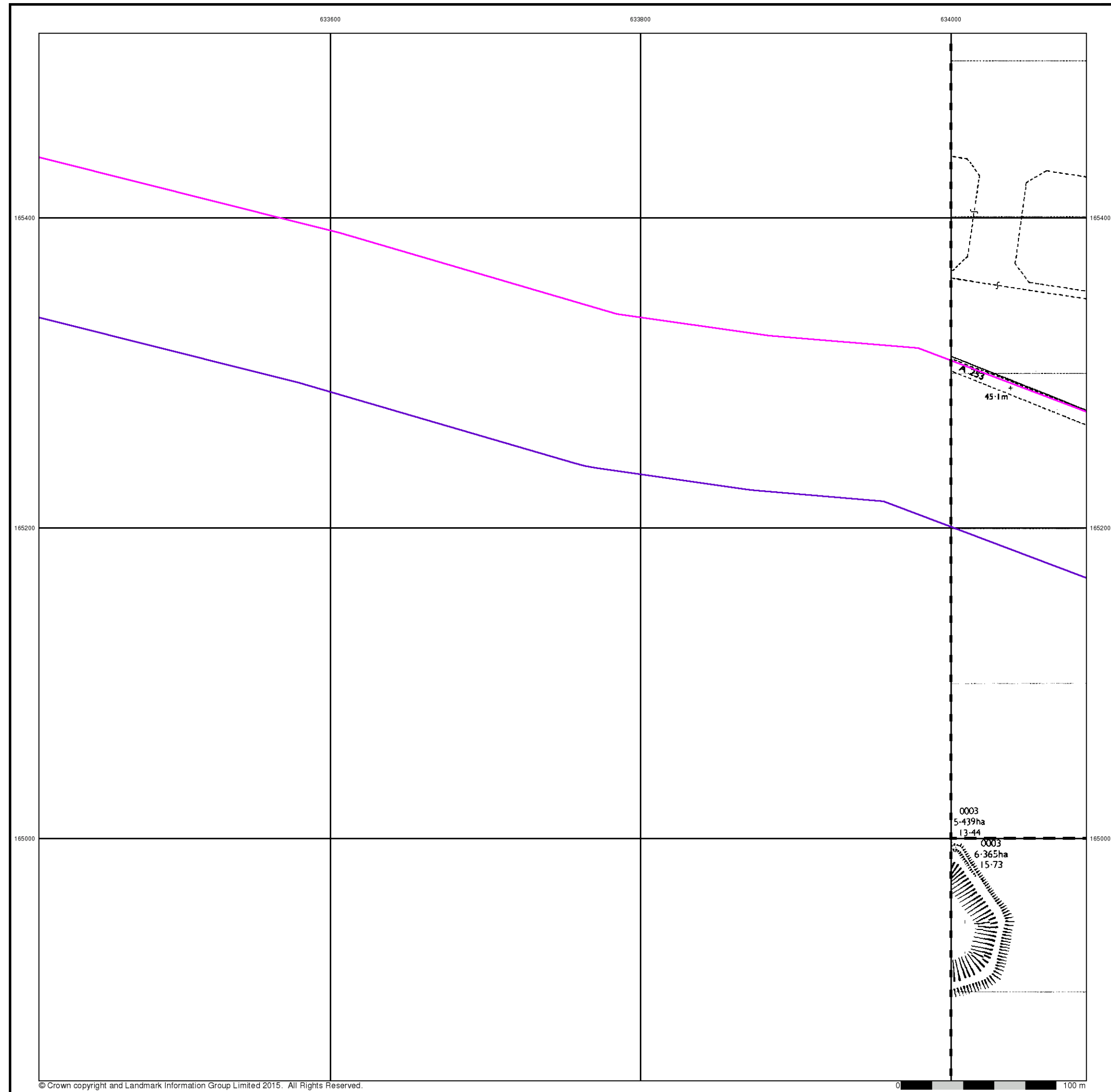
Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1973 - 1977

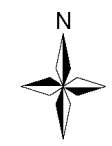
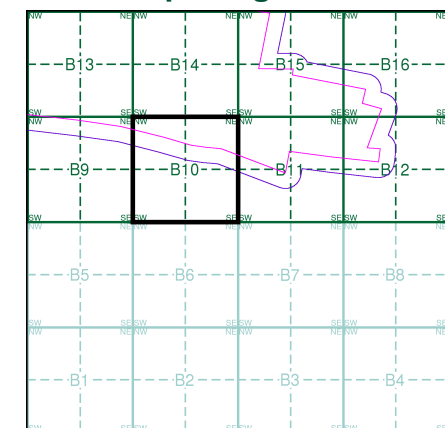
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3465
1977
1:2,500
TR3464
1973
1:2,500

Historical Map - Segment B10



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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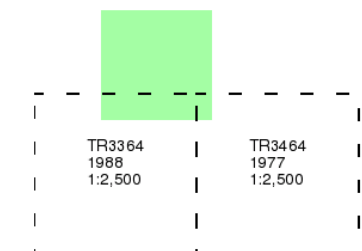
Additional SIMs

Published 1977 - 1988

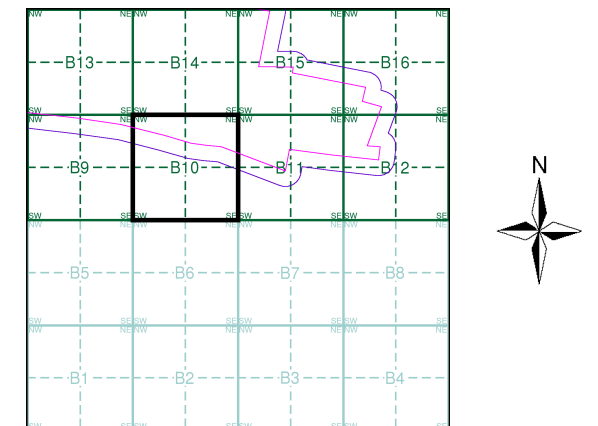
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B10

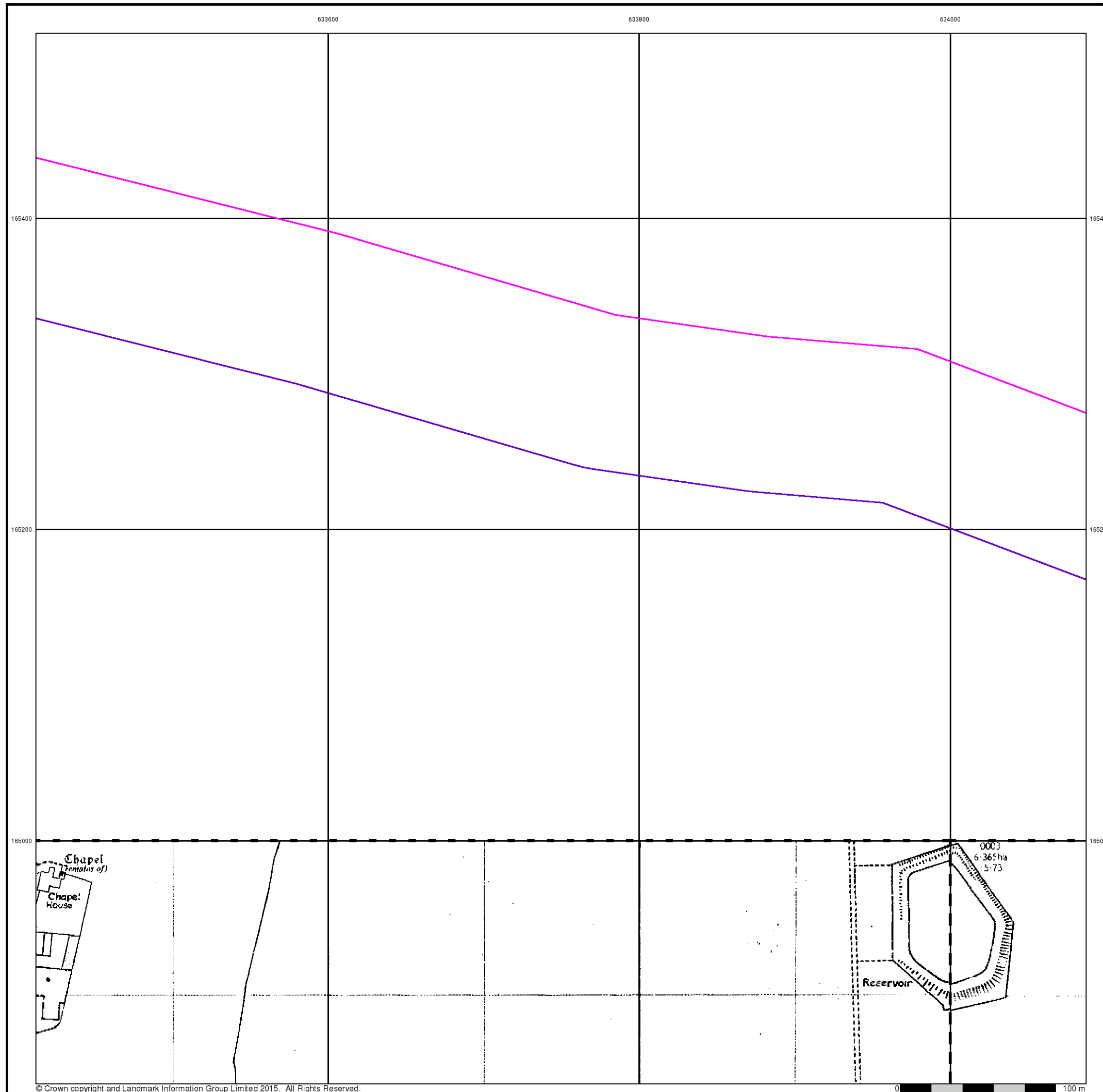


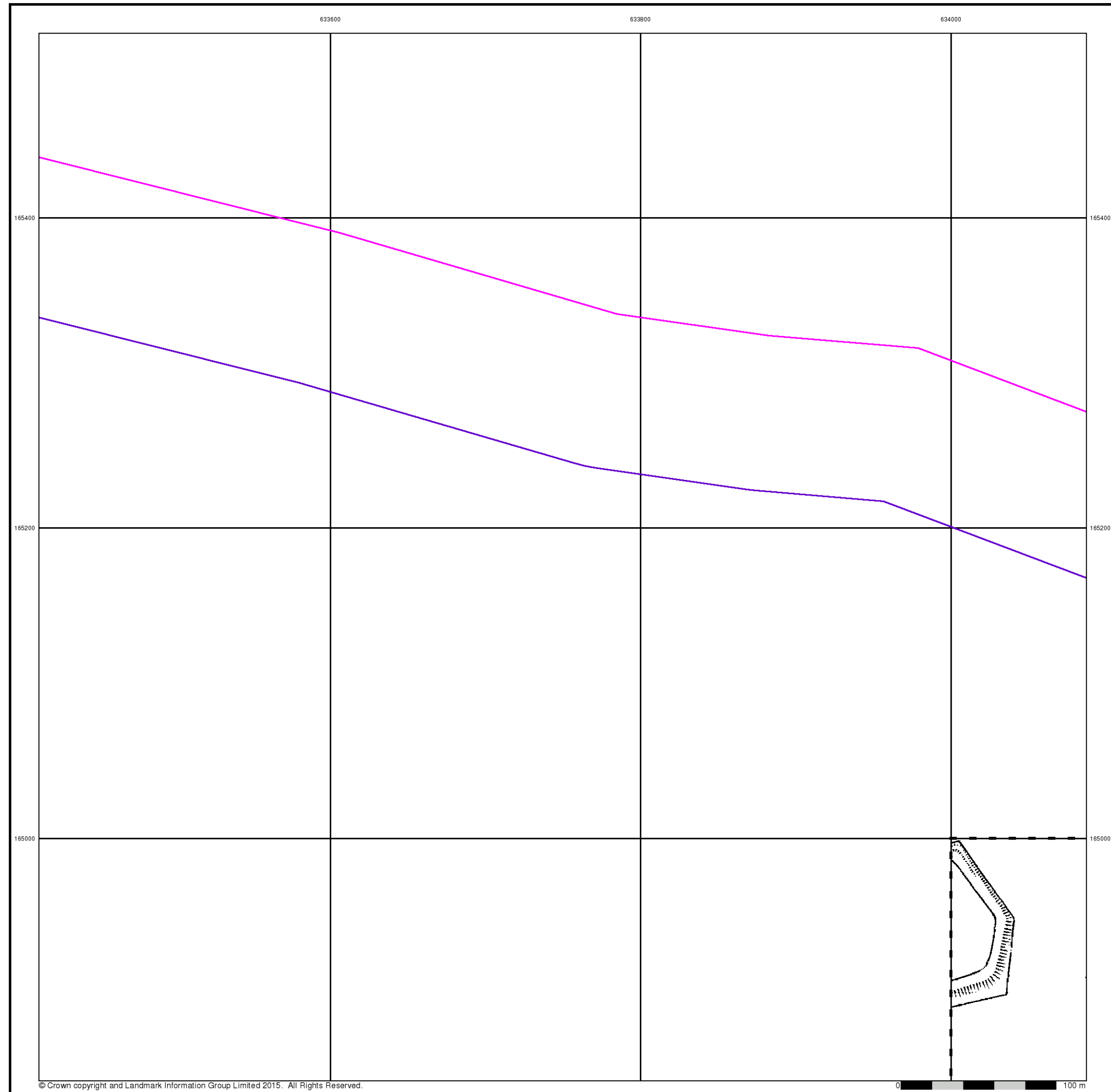
Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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0 100 m



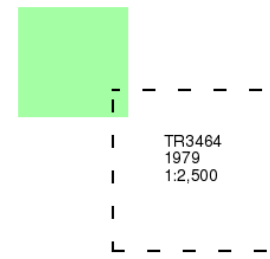
Additional SIMs

Published 1979

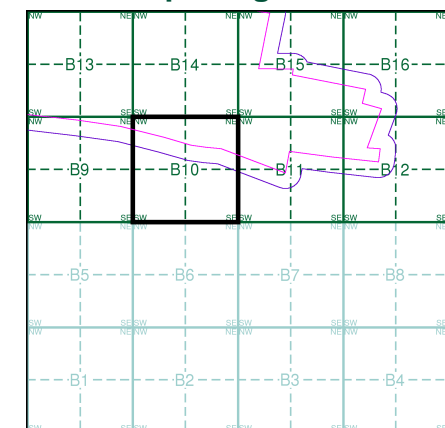
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

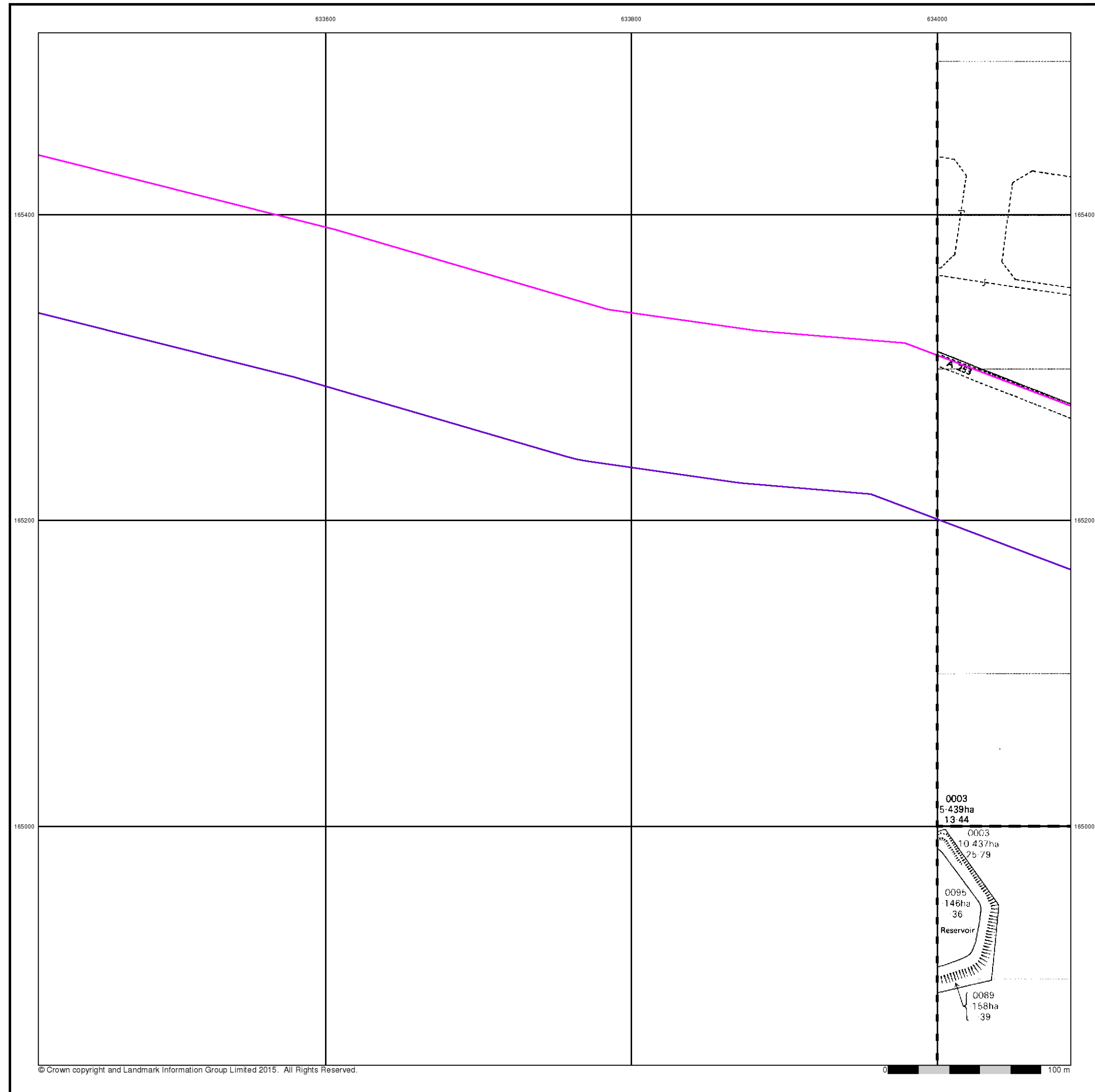



Historical Map - Segment B10



Order Details
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details
Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL





Ordinance Survey Plan

Published 1982 - 1984


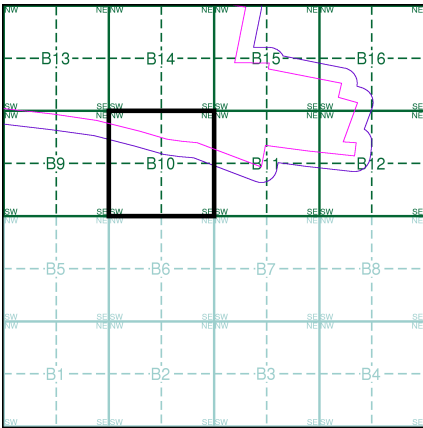
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3465	1984	1:2,500
TR3464	1982	1:2,500

Historical Map - Segment B10




Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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A Landmark Information Group Service v47.0 17-Mar-2016 Page 10 of 12

Large-Scale National Grid Data

Published 1993

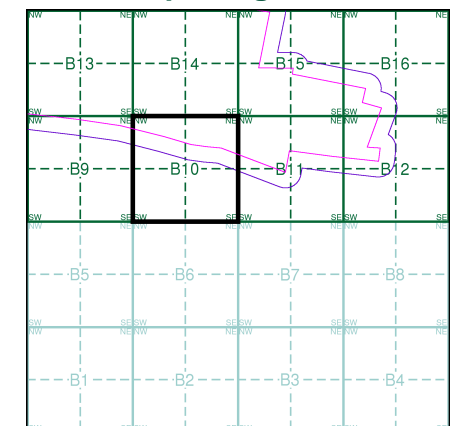
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3365 1993 12,500	TR3465 1993 12,500
TR3364 1993 12,500	TR3464 1993 12,500

Historical Map - Segment B10



Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
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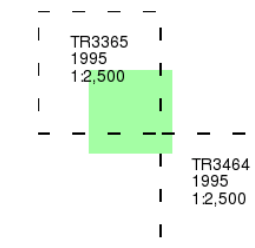
Large-Scale National Grid Data

Published 1995

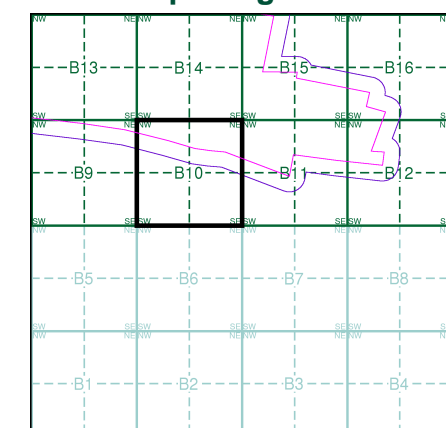
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B10

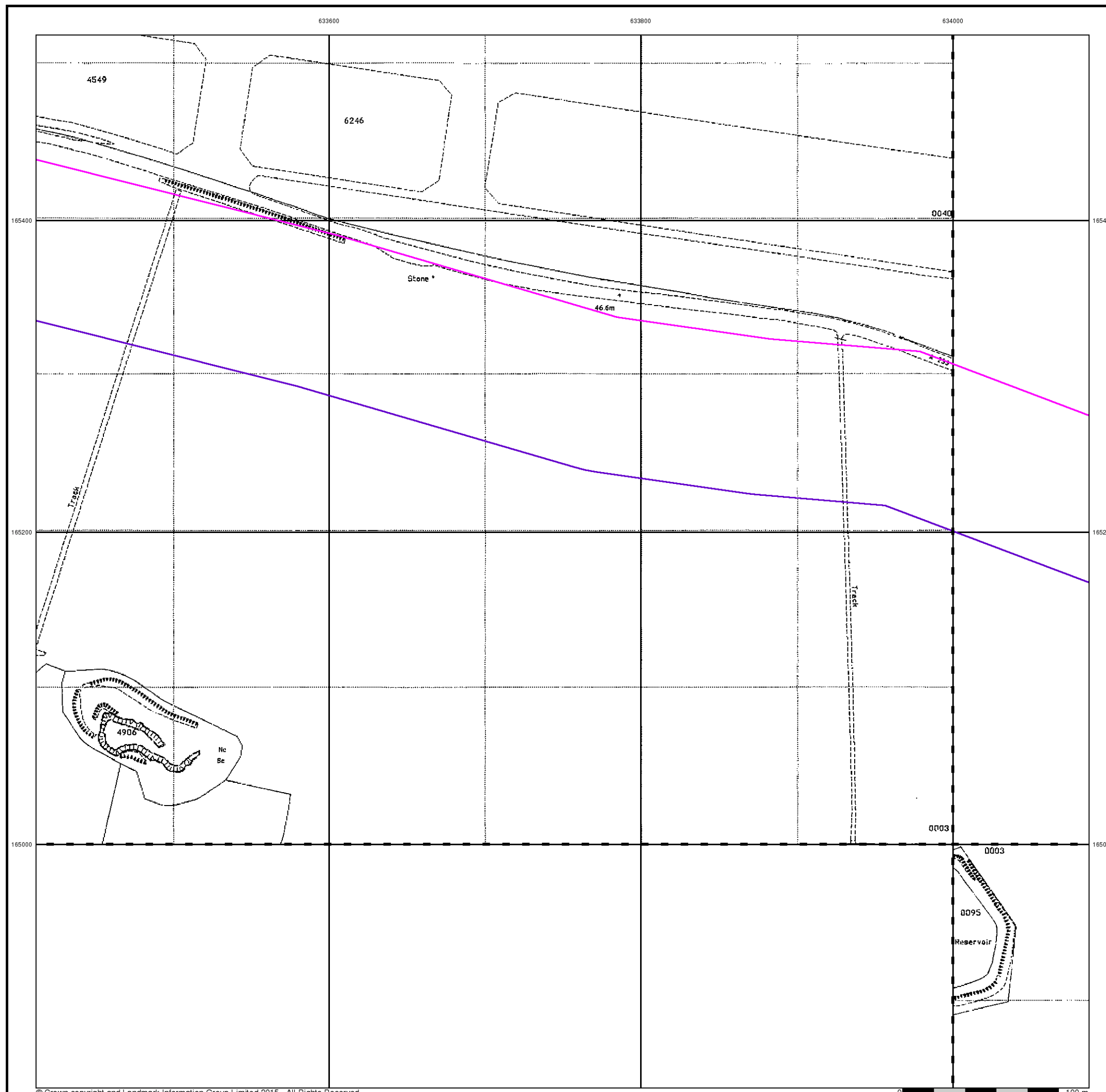


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
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Historical Mapping Legends

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



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



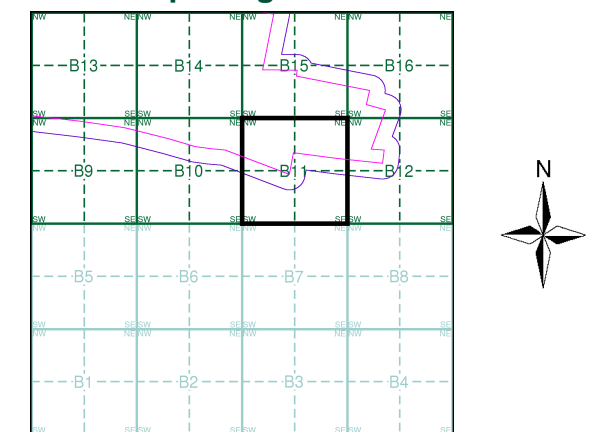
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1963	6
Ordnance Survey Plan	1:2,500	1973 - 1977	7
Additional SIMs	1:2,500	1977	8
Additional SIMs	1:2,500	1979	9
Ordnance Survey Plan	1:2,500	1982 - 1984	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1995	12

Historical Map - Segment B11



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
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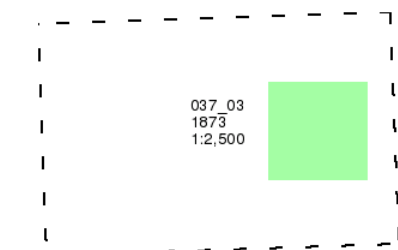
Kent

Published 1873

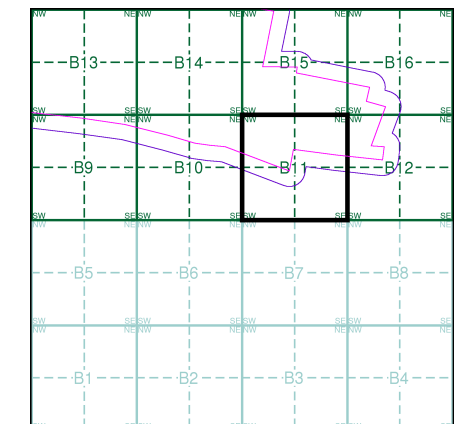
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B11

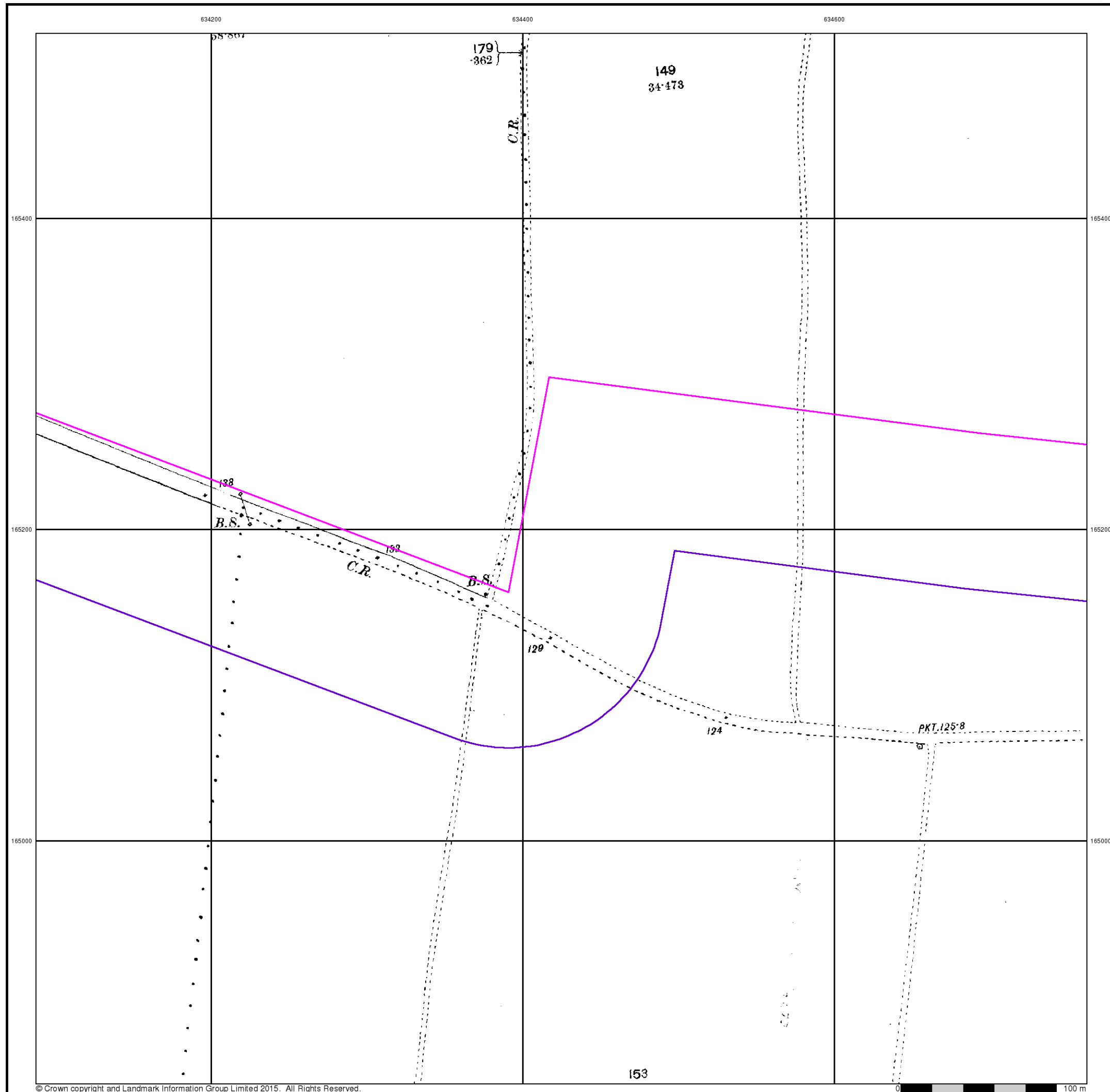


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



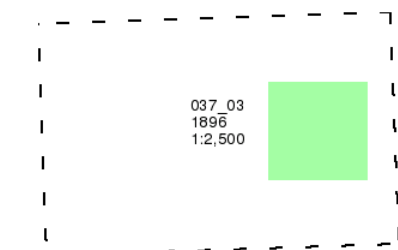
Kent

Published 1896

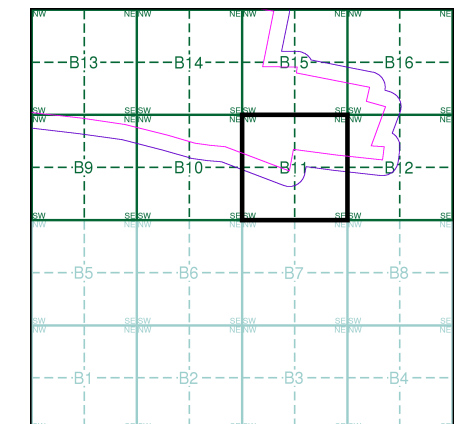
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B11

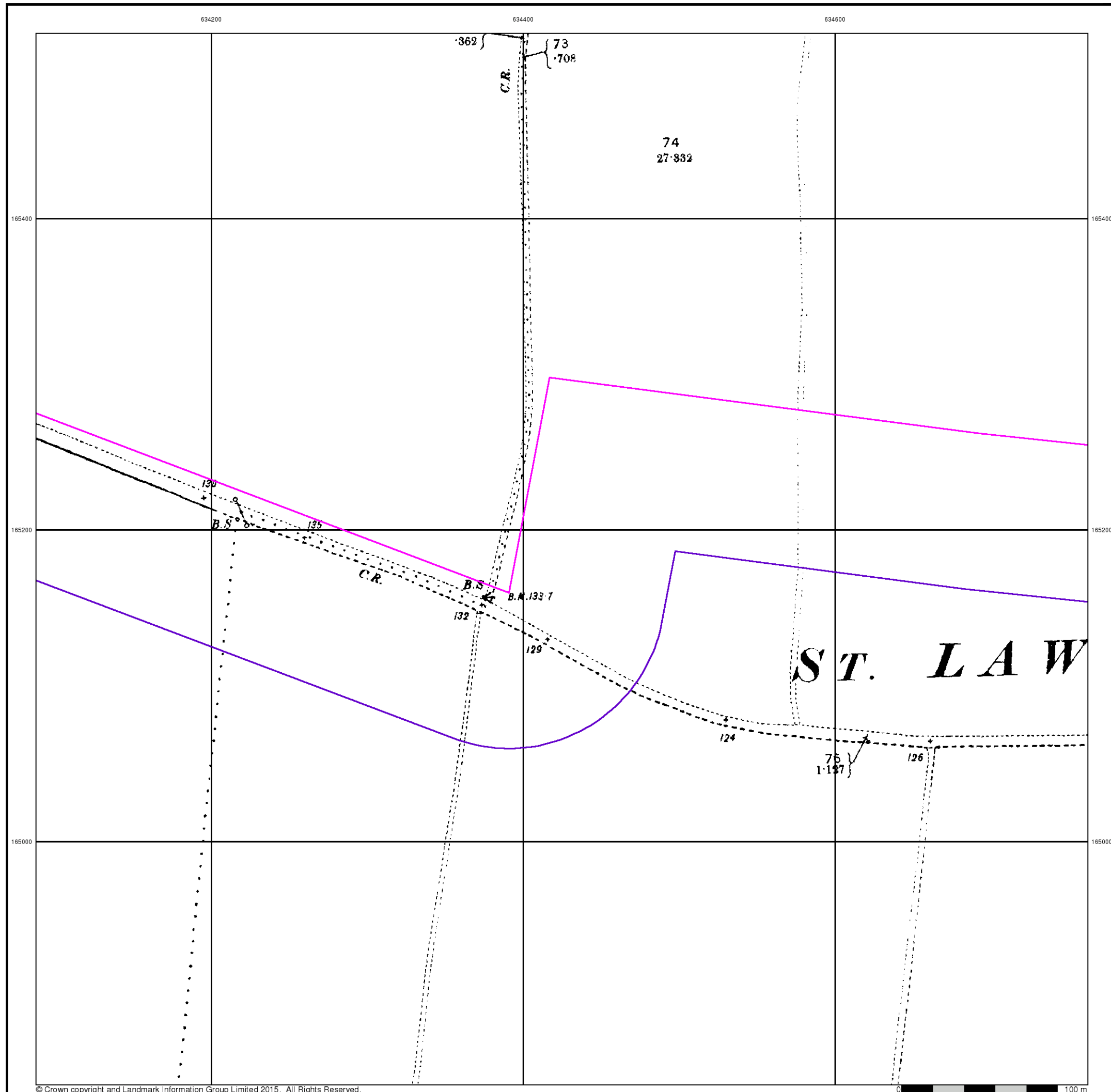


Order Details

Order Number: 82787389_1_1
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National Grid Reference: 634120, 165250
Slice: B
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Site Details

Kent International Airport Ltd, Kent International Airport,
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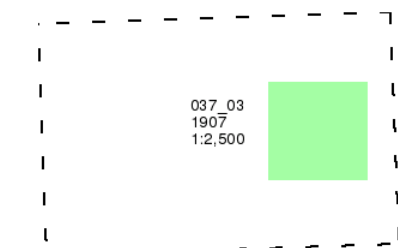
Kent

Published 1907

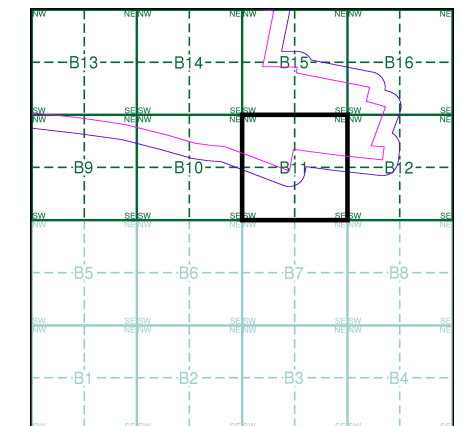
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B11

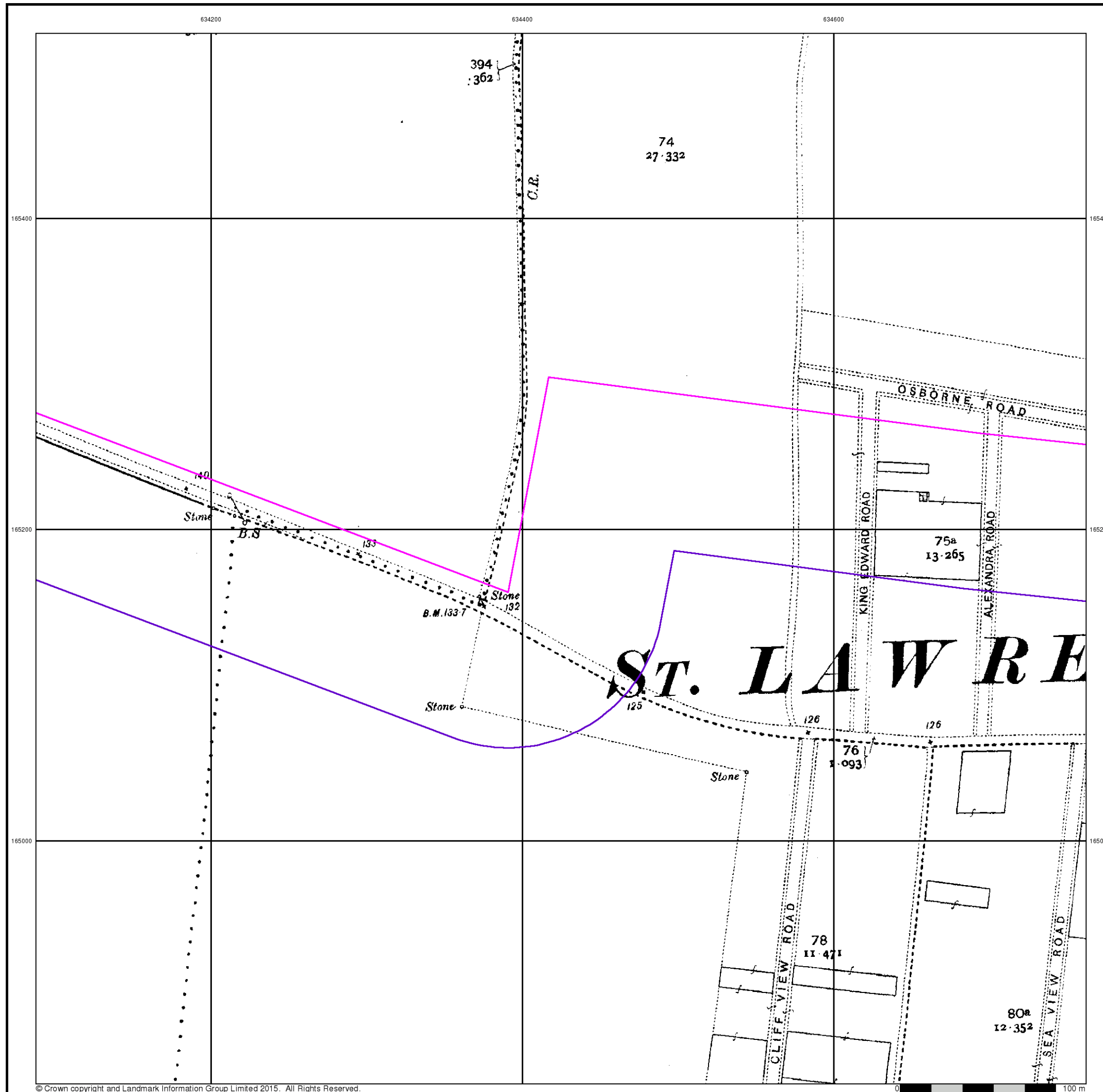


Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



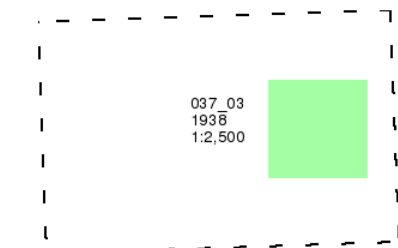
Kent

Published 1938

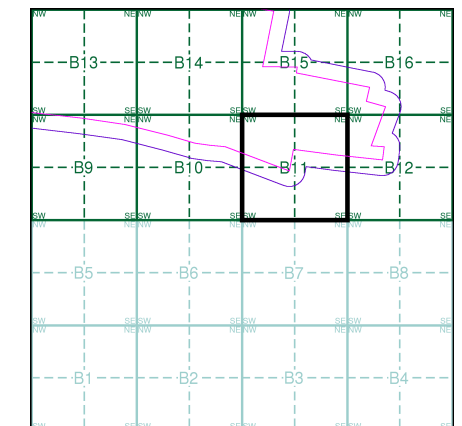
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B11

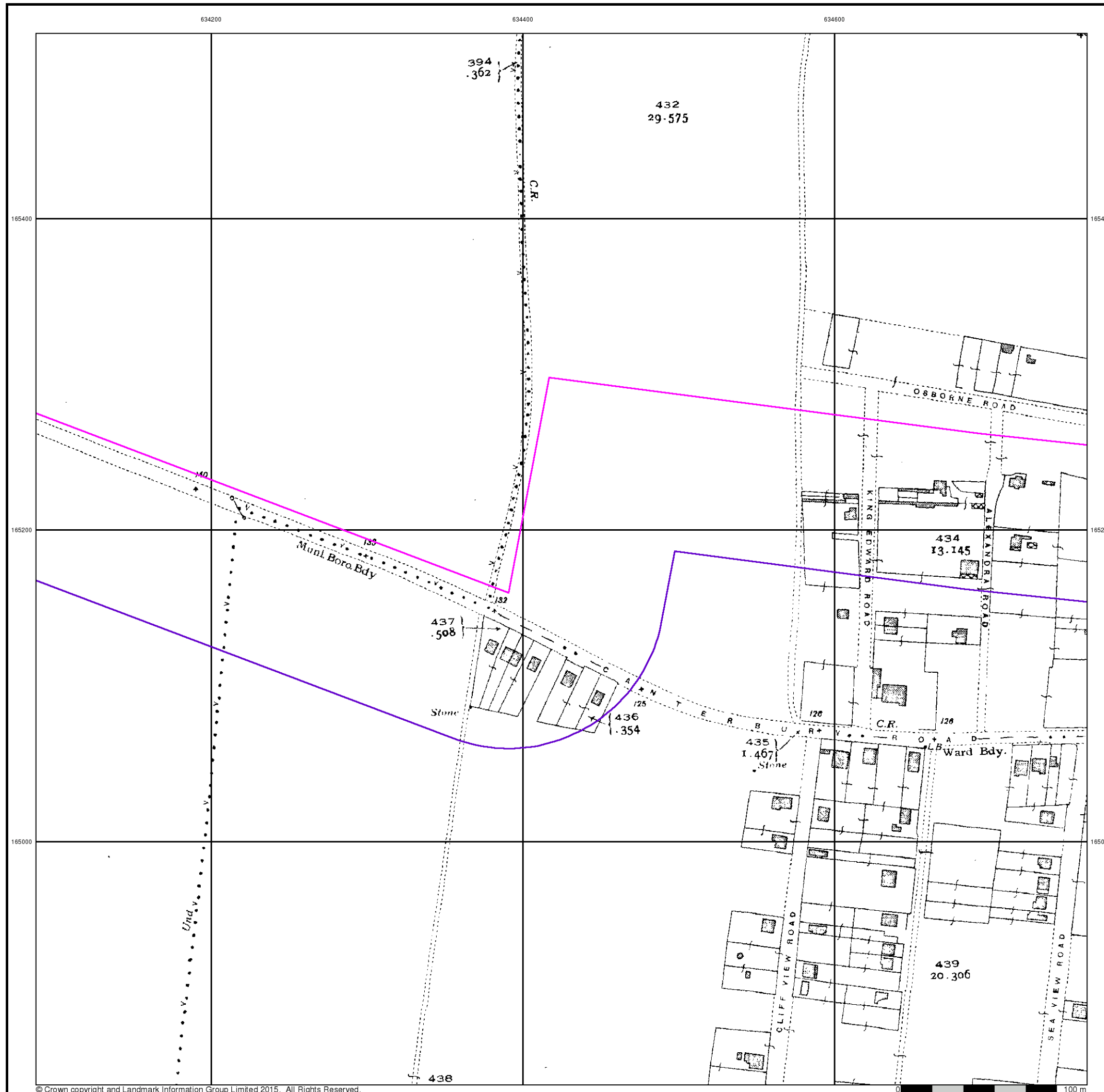


Order Details

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Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1963

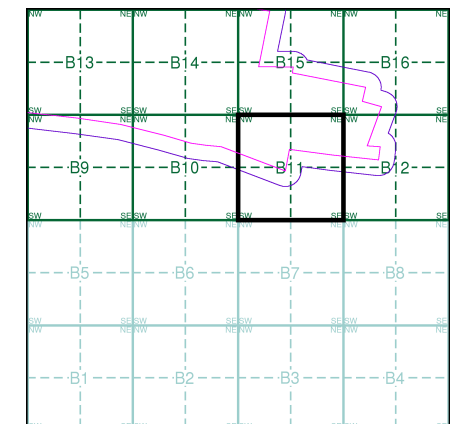
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3465
1963
1:2,500
TR3464
1963
1:2,500

Historical Map - Segment B11



Order Details

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 Slice: B
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Site Details

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Ordnance Survey Plan

Published 1973 - 1977

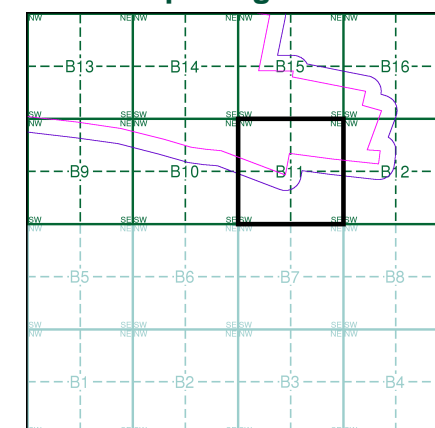
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3465	1977
1:2,500	
TR3464	1973
1:2,500	

Historical Map - Segment B11



Order Details

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Site Details

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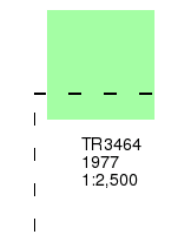
Additional SIMs

Published 1977

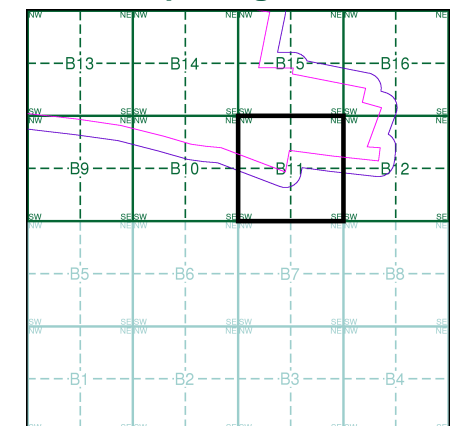
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B11

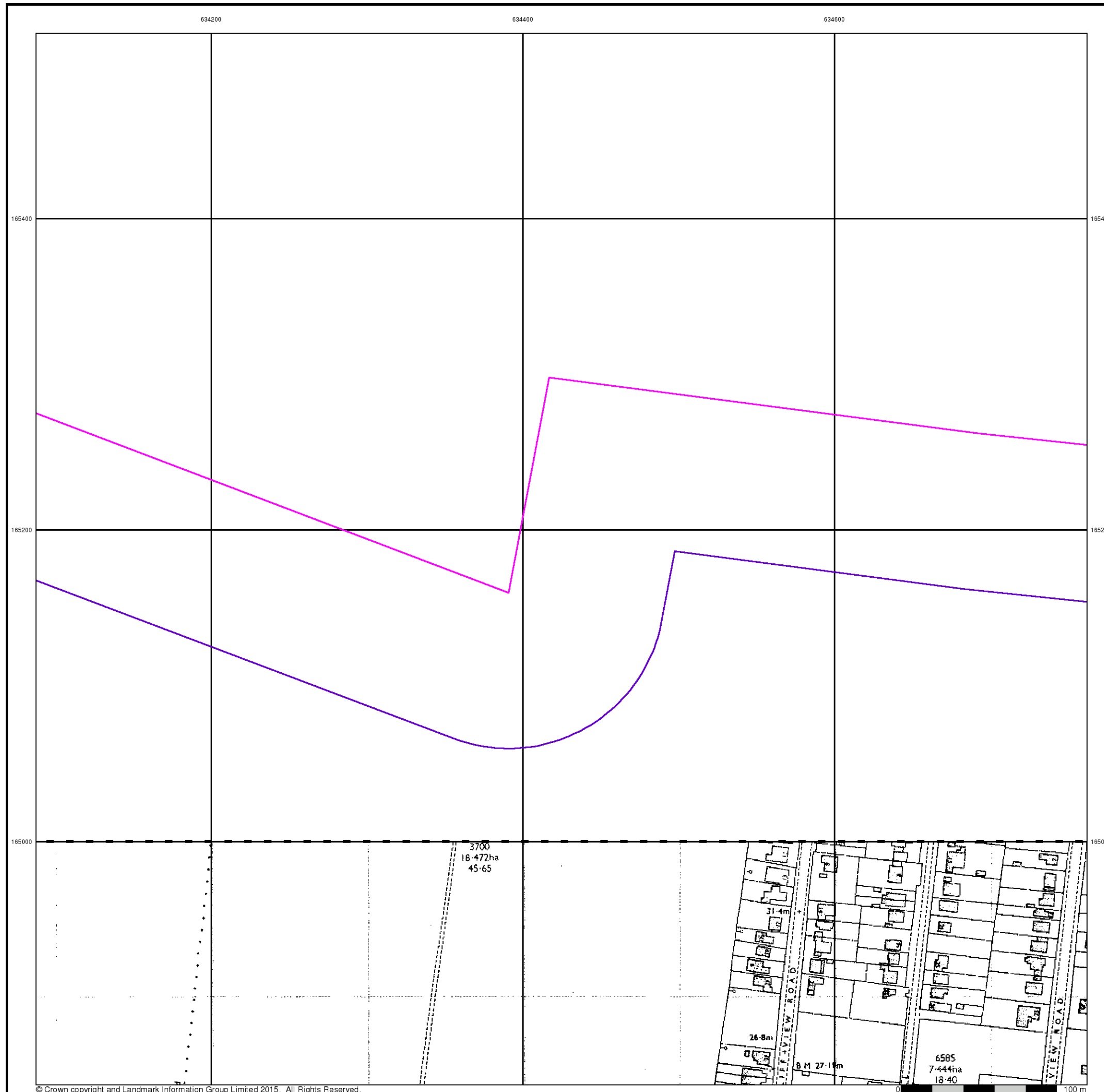


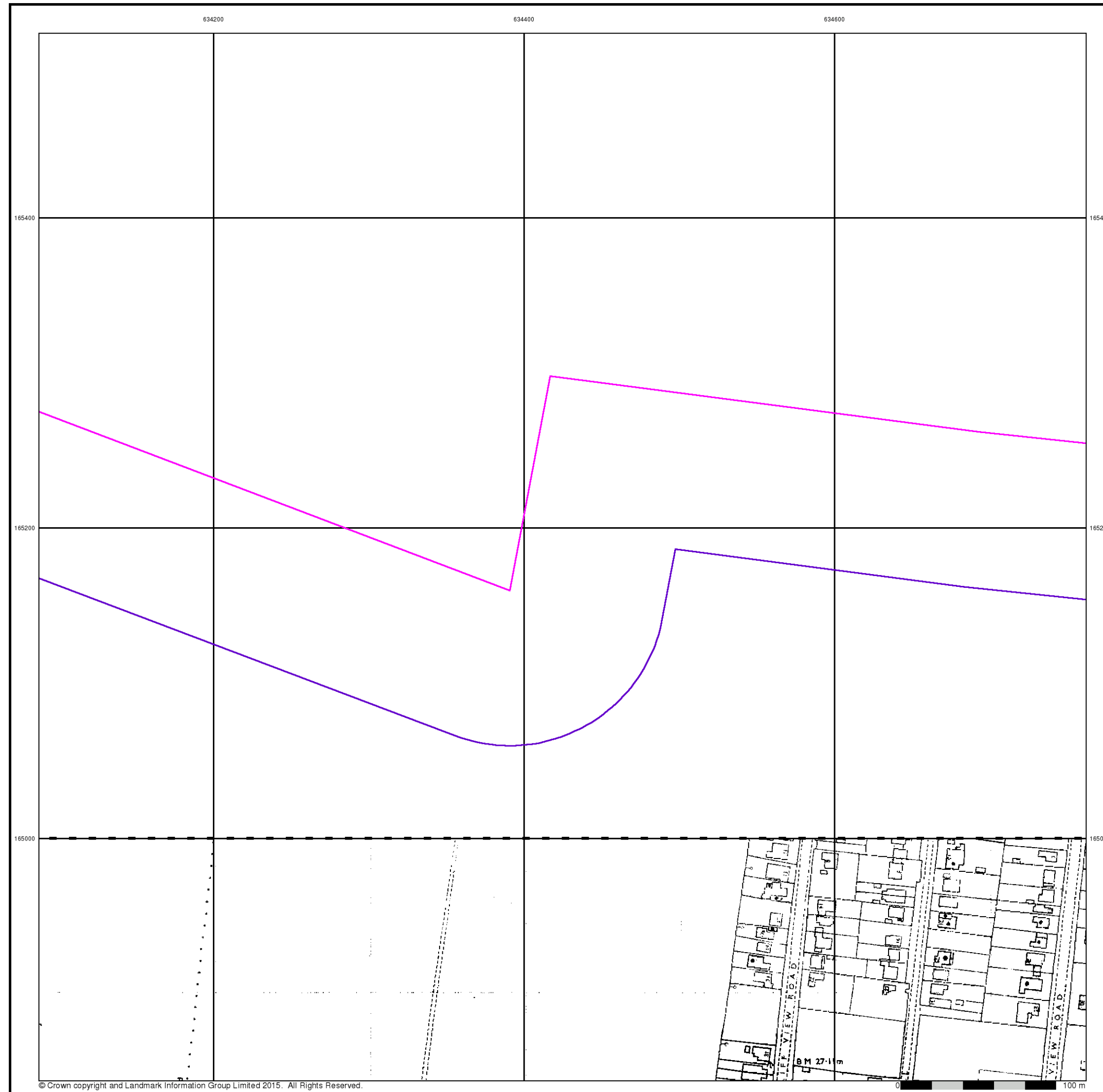
Order Details

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Site Details

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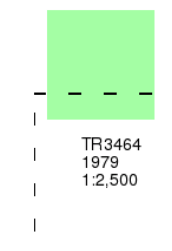
Additional SIMs

Published 1979

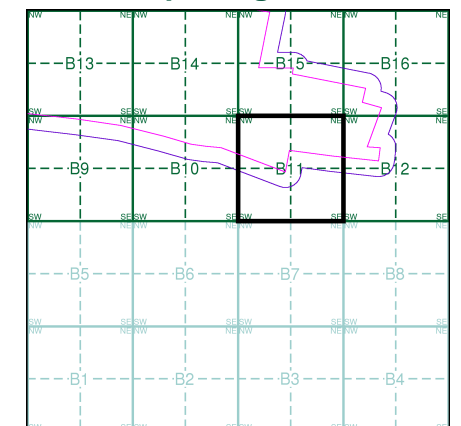
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B11



Order Details

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Web: www.envirocheck.co.uk

Ordnance Survey Plan

Published 1982 - 1984

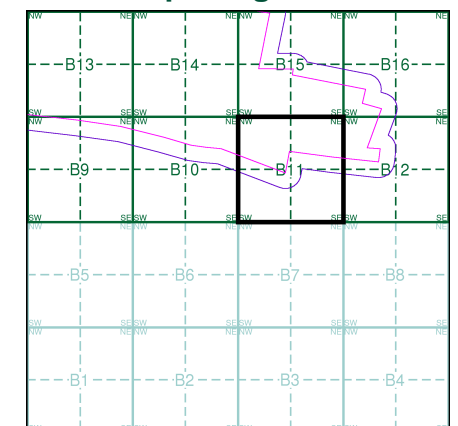
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3465
1984
1:2,500
TR3464
1982
1:2,500

Historical Map - Segment B11

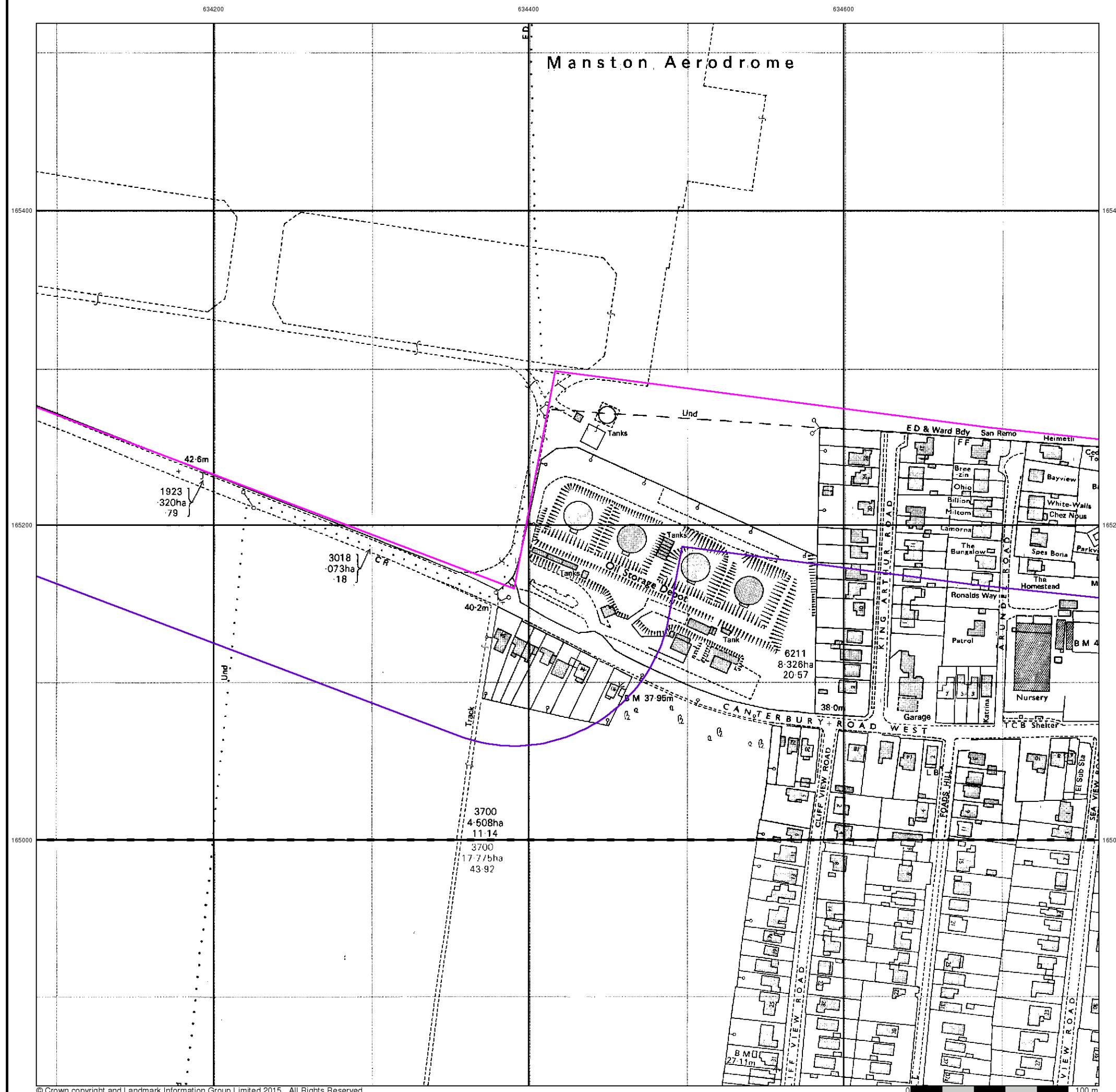


Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
 Manston, RAMSGATE, Kent, CT12 5BL



Large-Scale National Grid Data

Published 1993

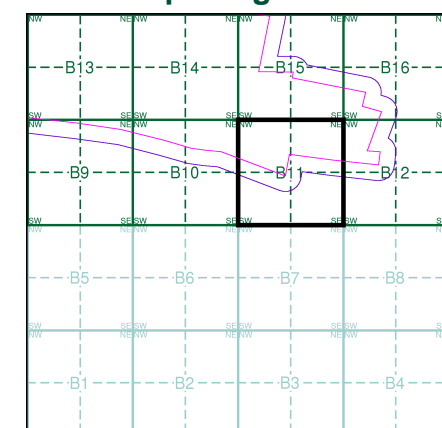
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3465	1993	1:2,500
TR3464	1993	1:2,500

Historical Map - Segment B11



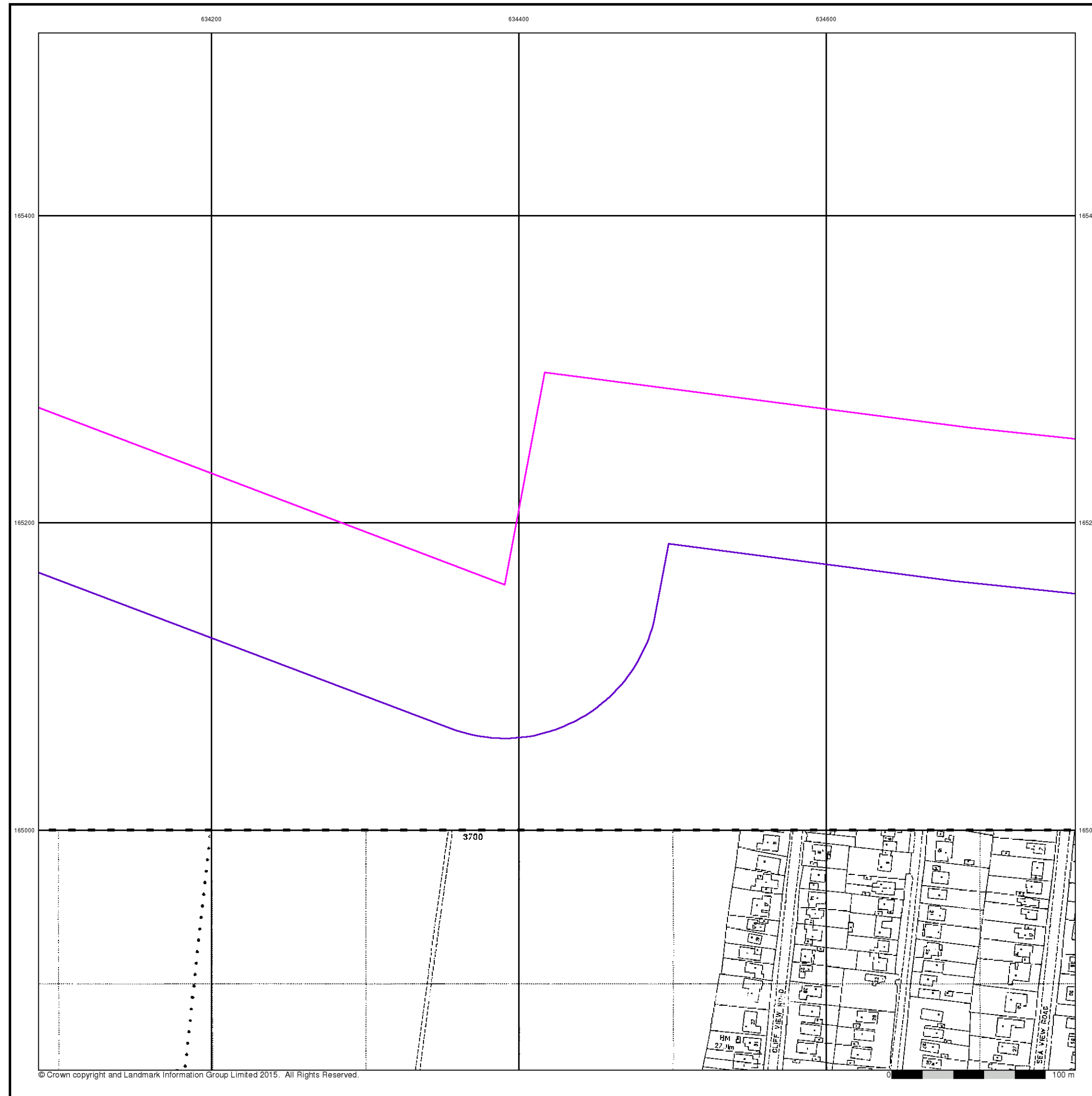
Order Details

Order Number: 82787389_1_1
 Customer Ref: 38199-15
 National Grid Reference: 634120, 165250
 Slice: B
 Site Area (Ha): 306.39
 Search Buffer (m): 100

Site Details

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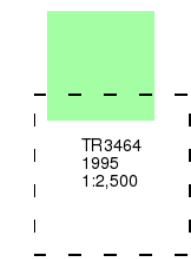
Large-Scale National Grid Data

Published 1995

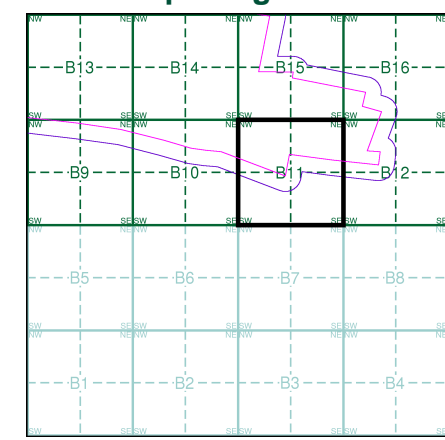
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B11



Order Details

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Historical Mapping Legends

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



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



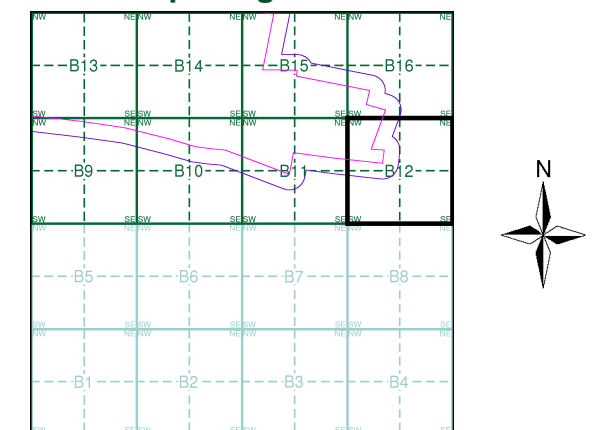
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873 - 1881	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1963	6
Additional SIMs	1:2,500	1963 - 1977	7
Ordnance Survey Plan	1:2,500	1973 - 1984	8
Supply of Unpublished Survey Information	1:2,500	1975	9
Additional SIMs	1:2,500	1979	10
Ordnance Survey Plan	1:2,500	1982 - 1984	11
Large-Scale National Grid Data	1:1,250	1993	12
Large-Scale National Grid Data	1:2,500	1993	13
Large-Scale National Grid Data	1:1,250	1994	14
Large-Scale National Grid Data	1:2,500	1995	15

Historical Map - Segment B12



Order Details

Order Number: 82787389_1_1
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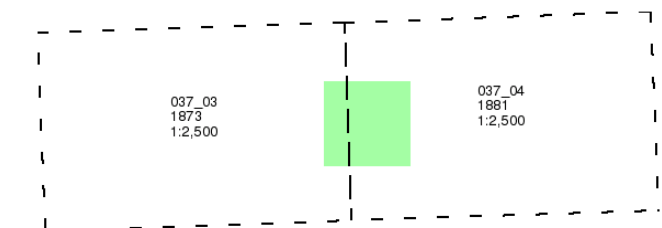
Kent

Published 1873 - 1881

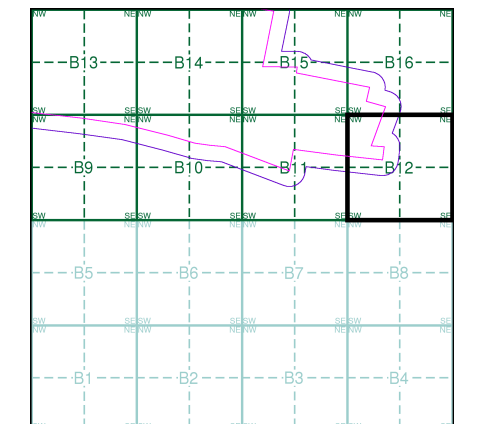
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B12

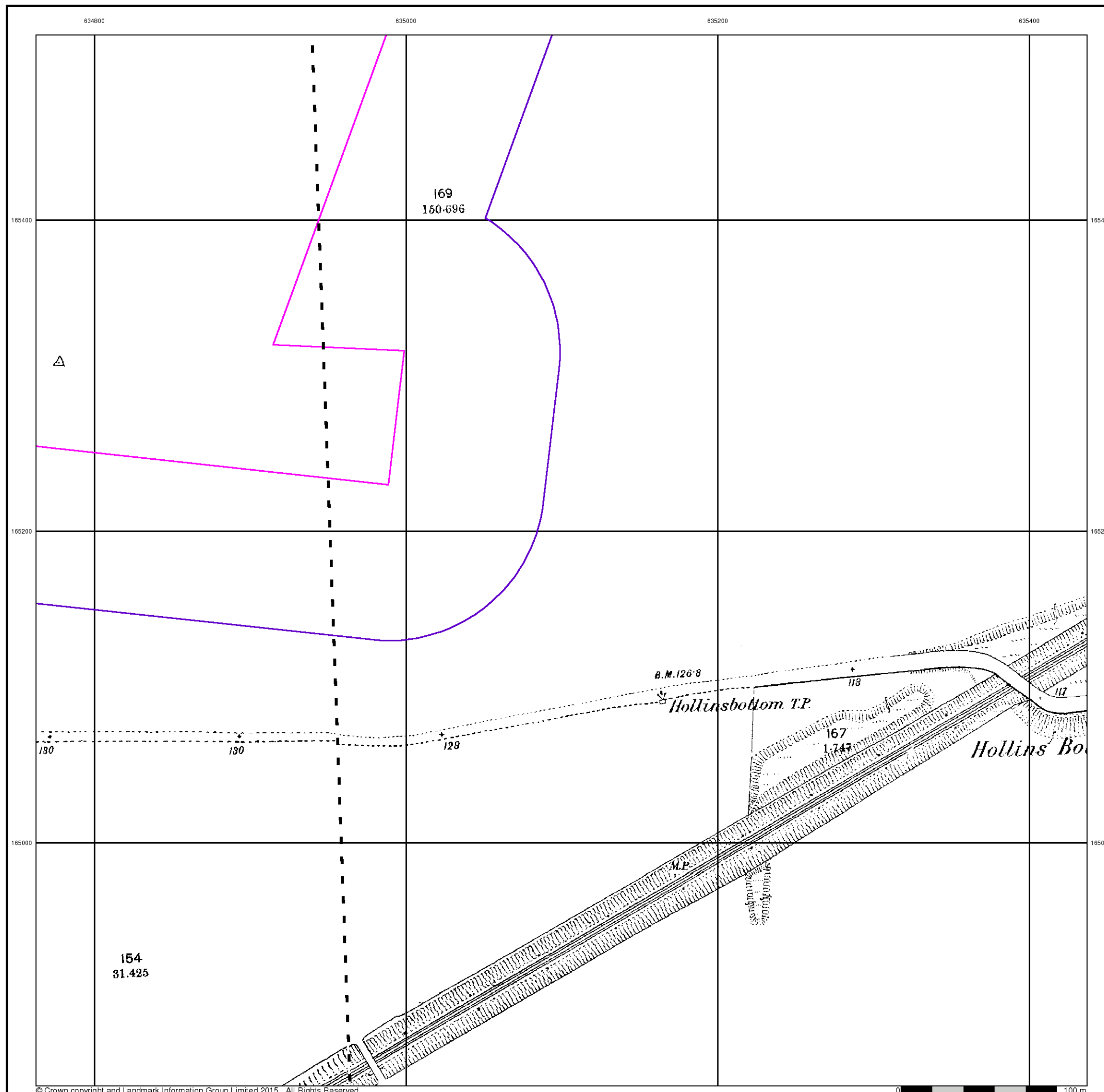


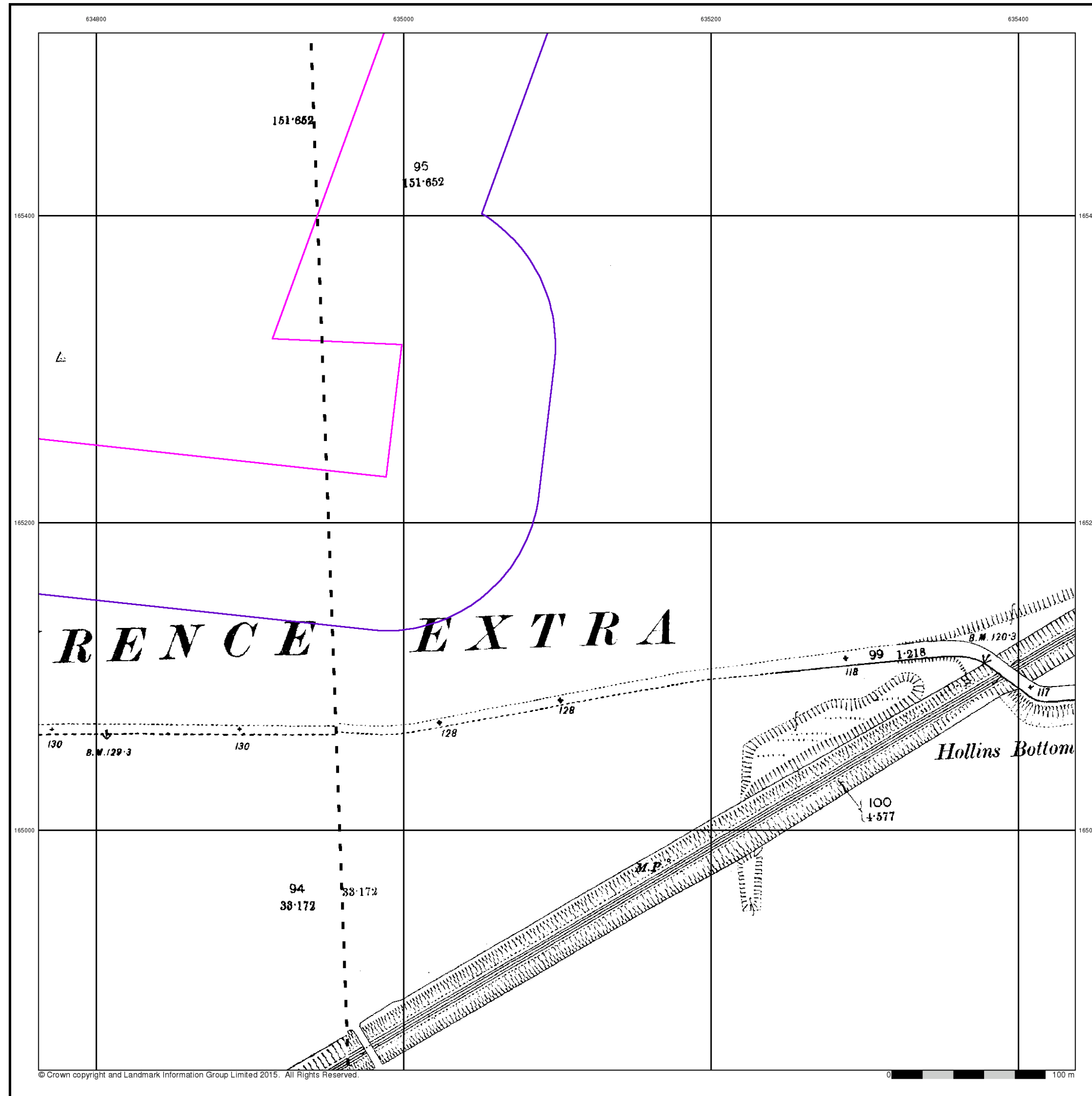
Order Details

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Site Details

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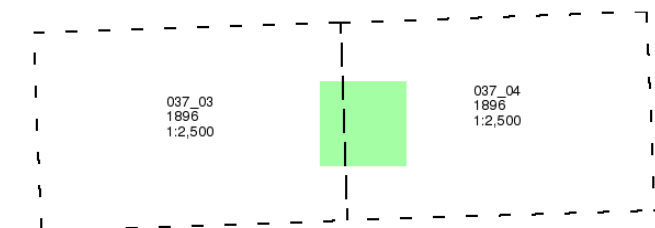
Kent

Published 1896

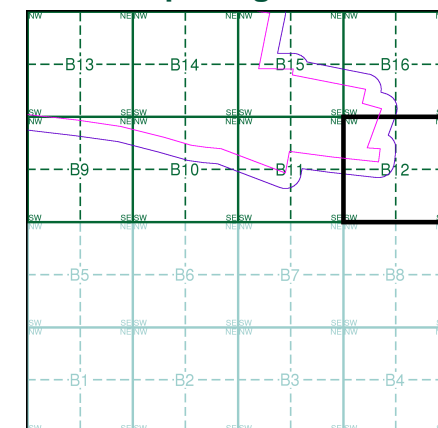
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B12



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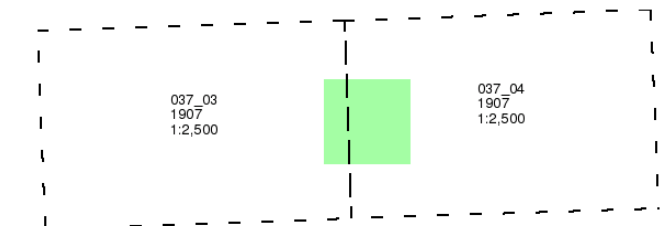
Kent

Published 1907

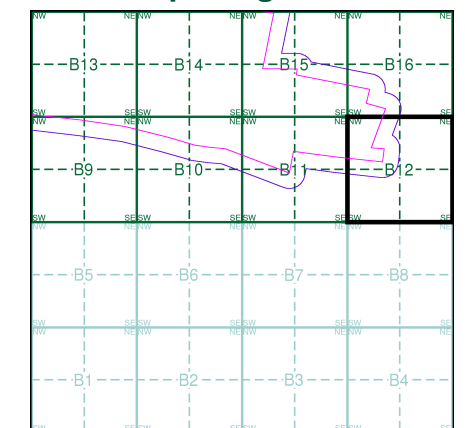
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B12

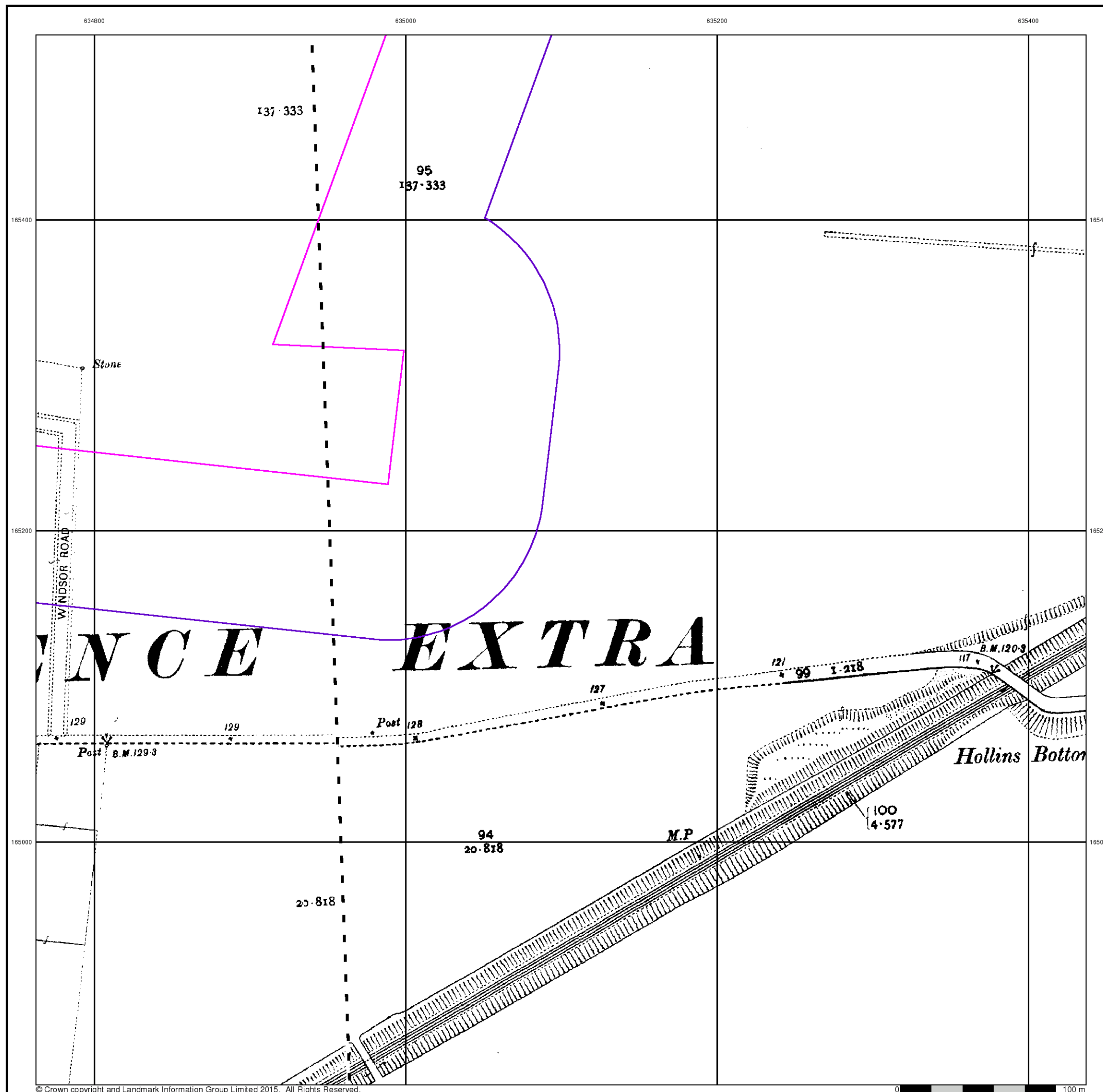


Order Details

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Site Details

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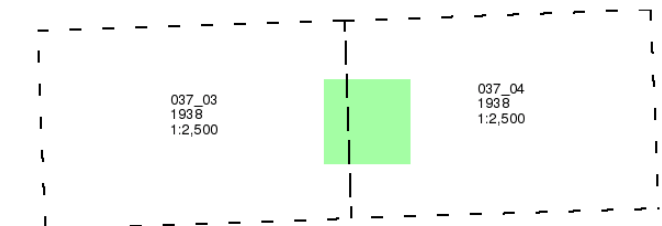
Kent

Published 1938

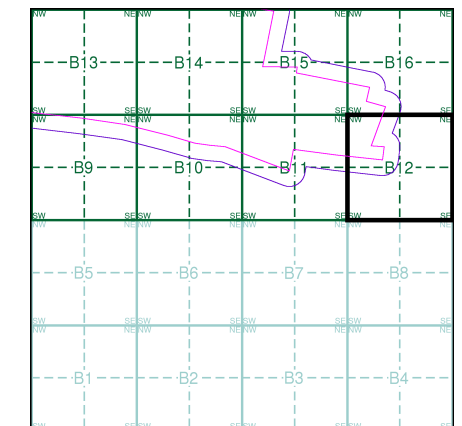
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Map Name(s) and Date(s)



Historical Map - Segment B12

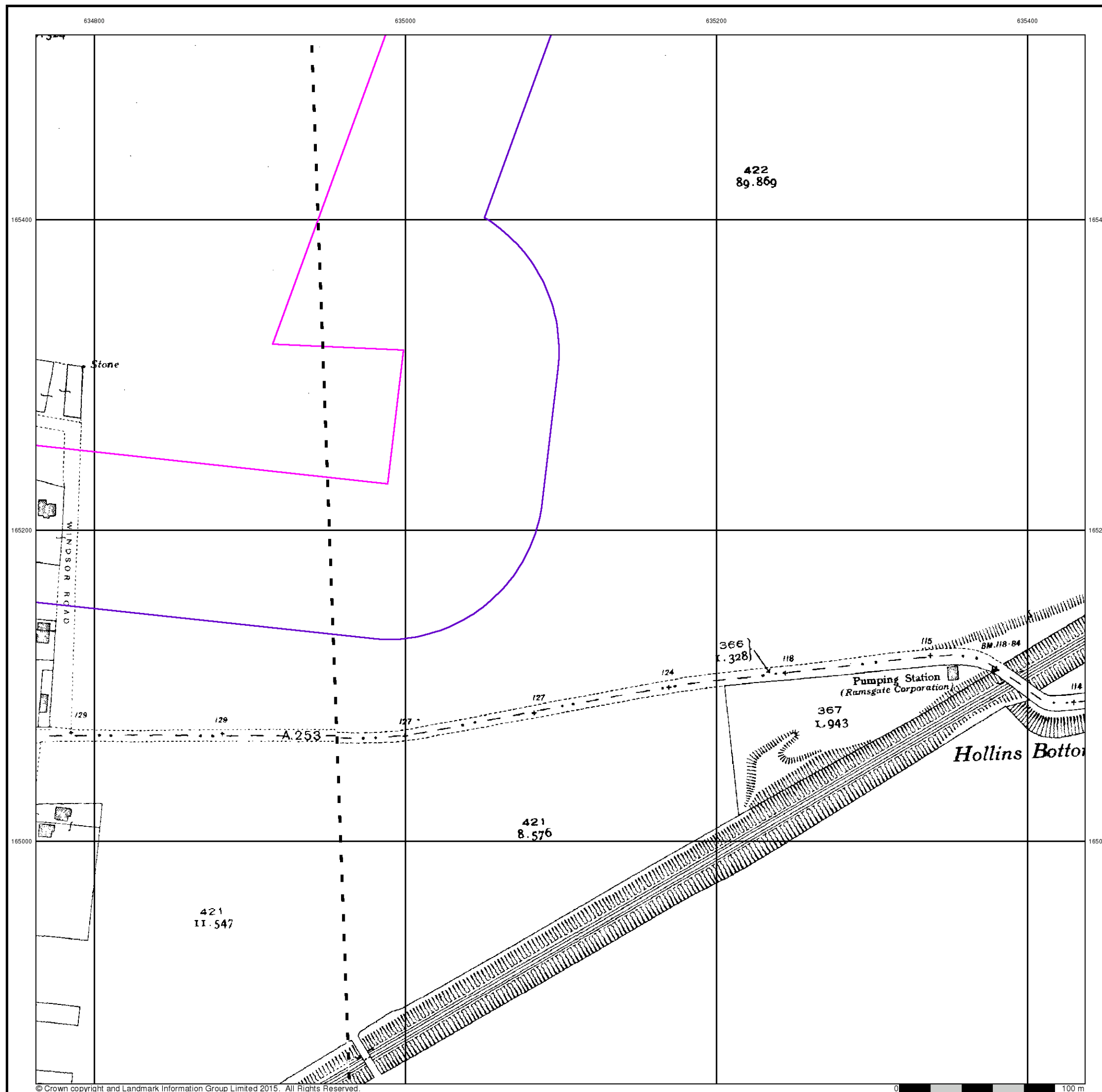


Order Details

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National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport,
Manston, RAMSGATE, Kent, CT12 5BL



Ordnance Survey Plan

Published 1963

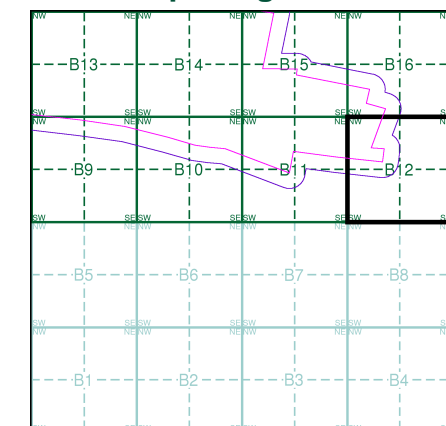
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3485 1963 1:2,500	TR3565 1963 1:2,500
TR3464 1963 1:2,500	TR3564 1963 1:2,500

Historical Map - Segment B12

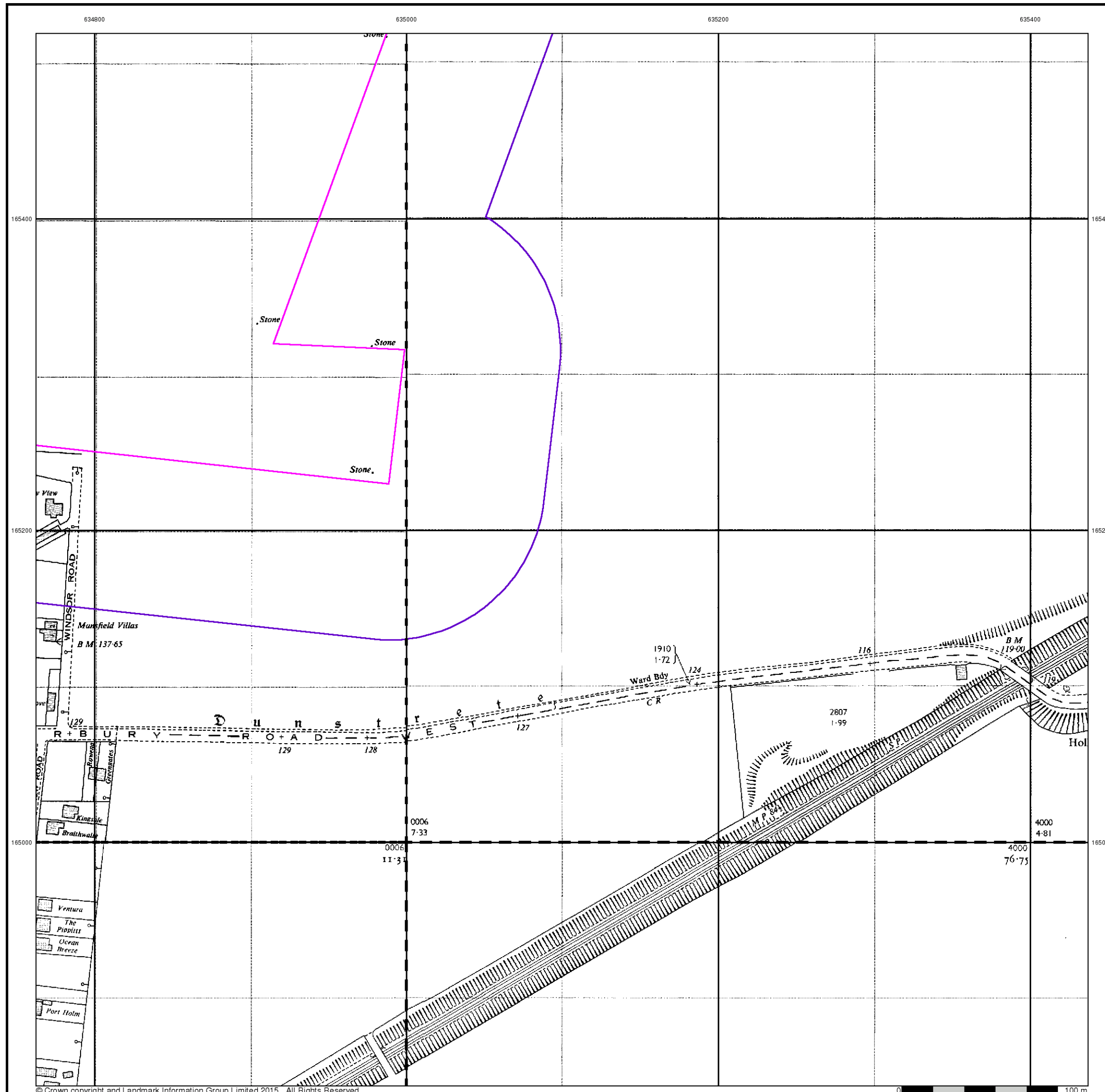


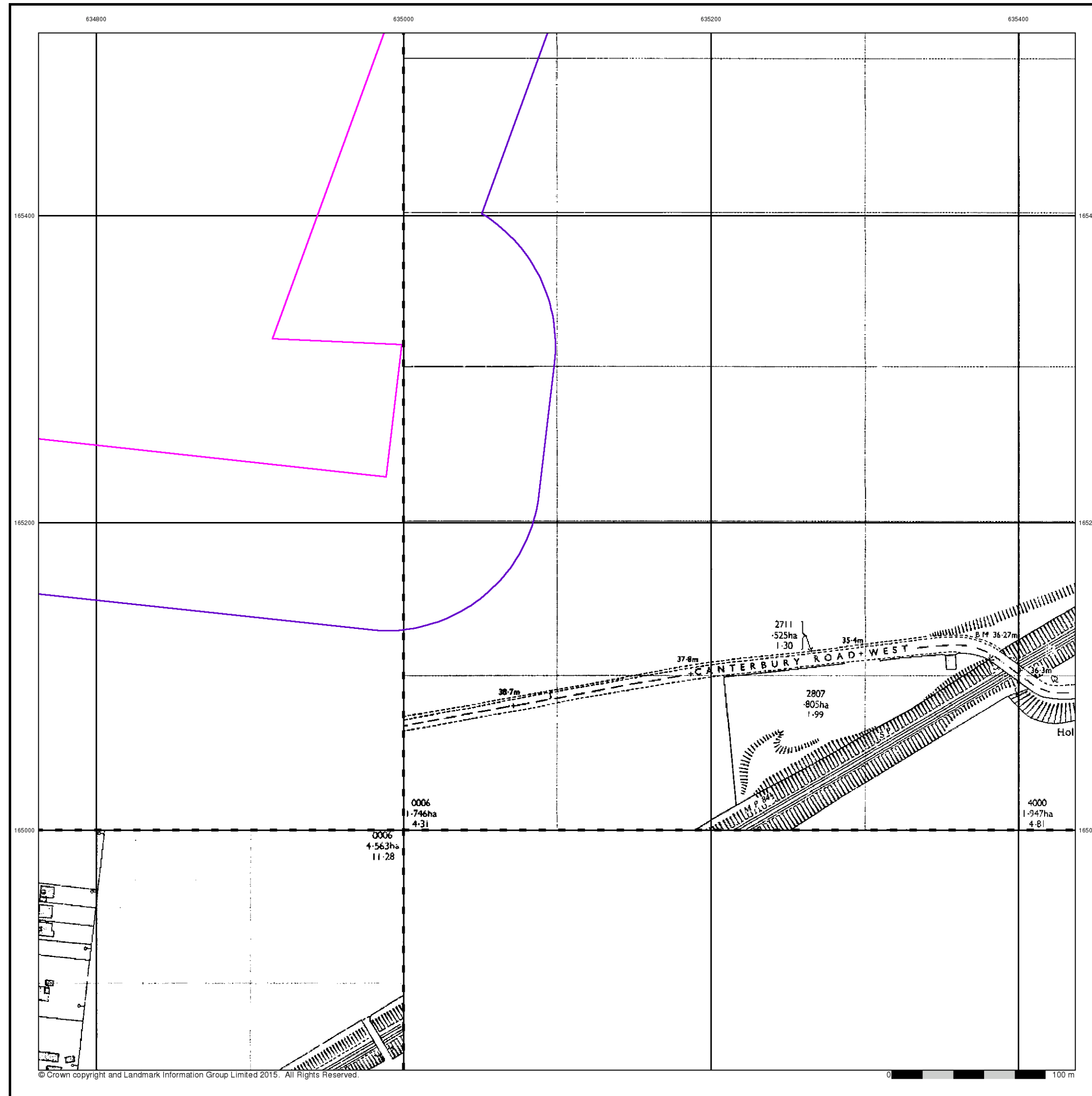
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Site Details

Kent International Airport Ltd, Kent International Airport,
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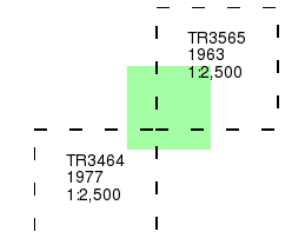




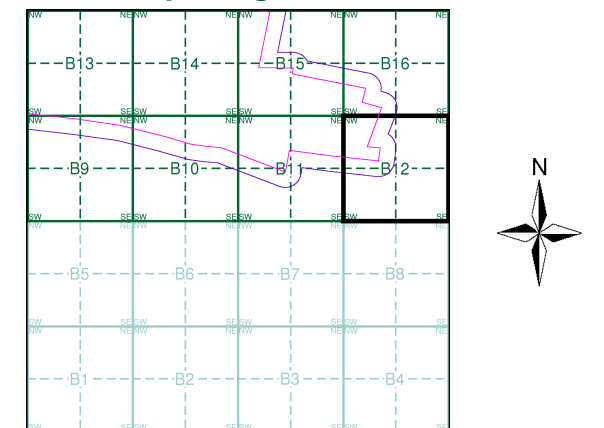
Additional SIMs
Published 1963 - 1977
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B12



Order Details

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National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details
Kent International Airport Ltd, Kent International Airport,
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Ordnance Survey Plan

Published 1973 - 1984

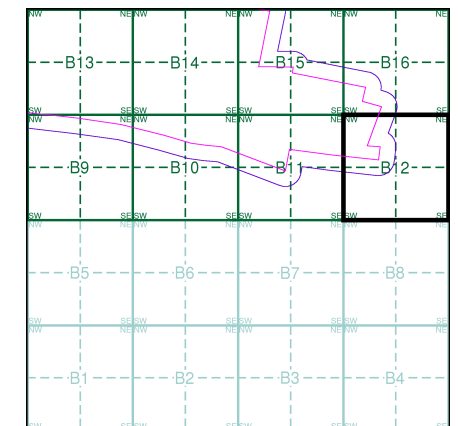
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR3485 1977 12,500	TR3565 1984 12,500
TR3464 1973 12,500	TR3564 1973 12,500

Historical Map - Segment B12

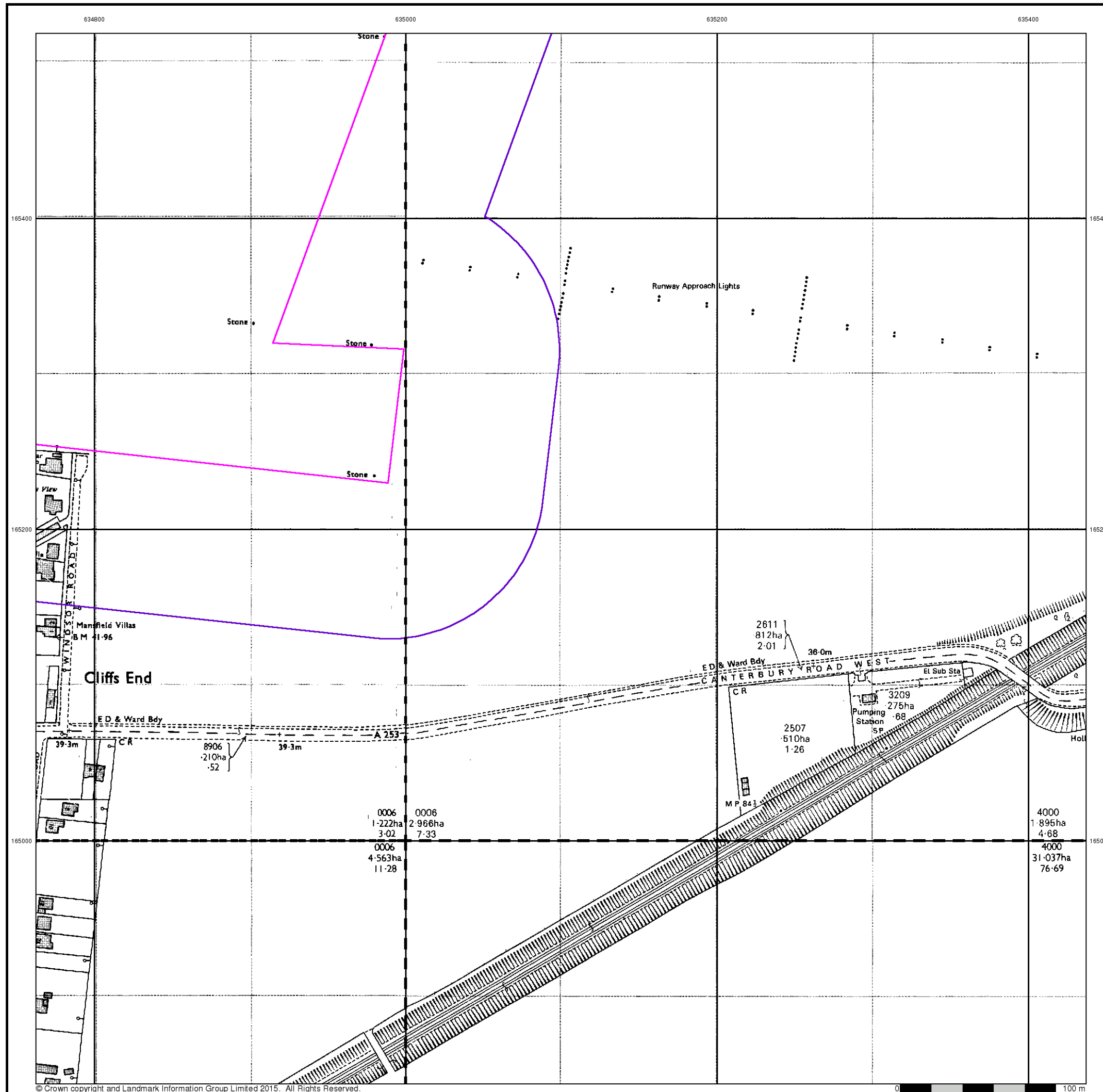


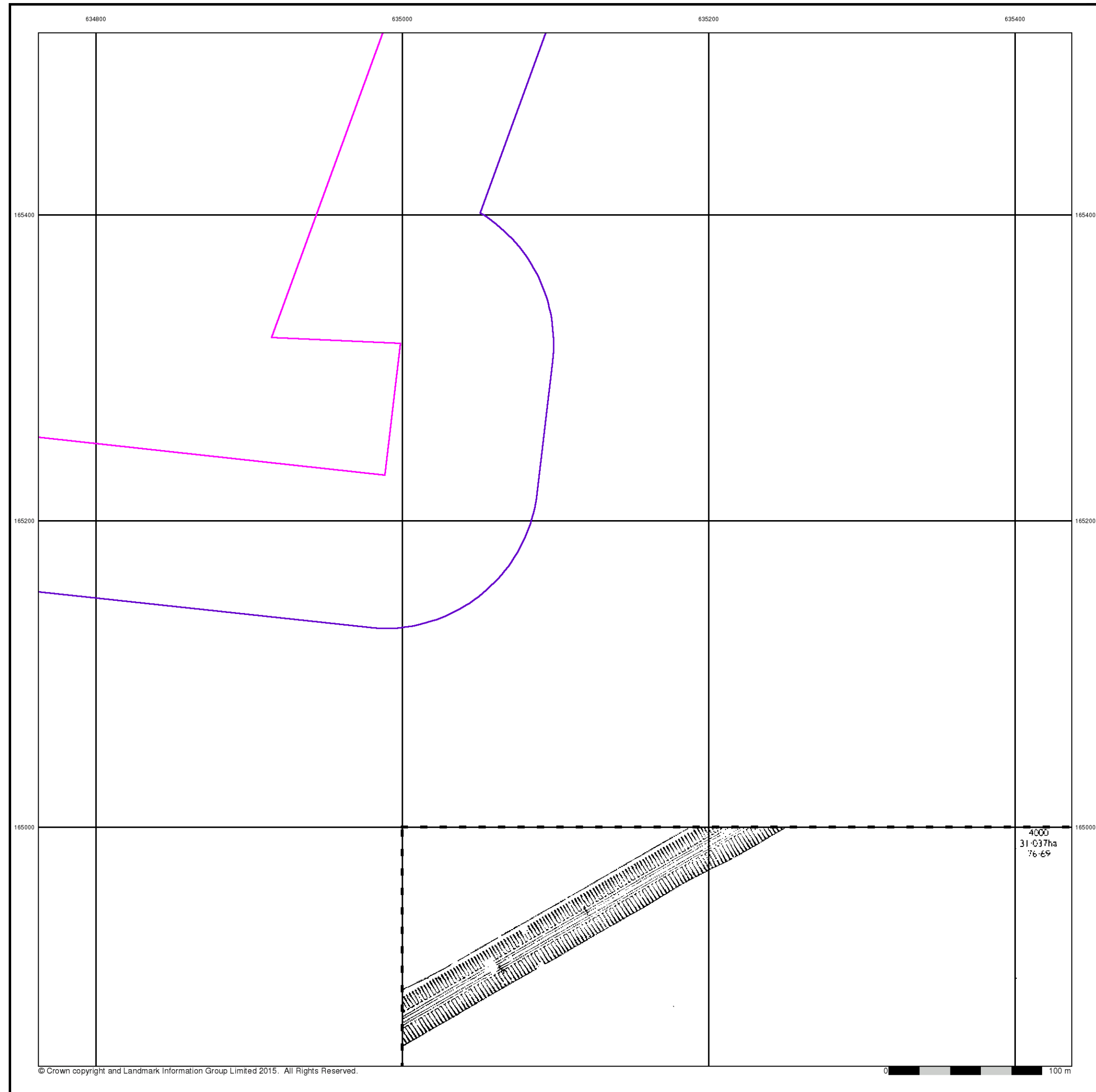
Order Details

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Site Details

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 Manston, RAMSGATE, Kent, CT12 5BL





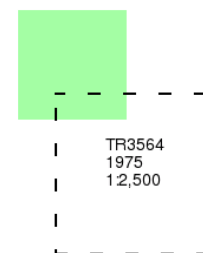
Supply of Unpublished Survey Information

Published 1975

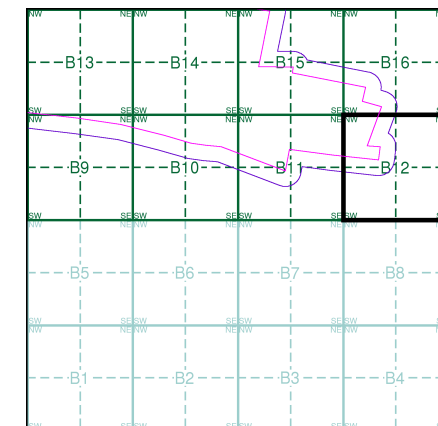
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B12



Order Details
Order Number: 82787389_1_1
Customer Ref: 38199-15
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Slice: B
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