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## Phase I Preliminary Risk Assessment (PRA)

At

Guys Cliff Nursing Home,  
Colwyn Bay

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Client: Wales and West Housing

Reference: 32999-SUT-ZZ-00-RP-G-7101

Date: November 2022

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# SUTCLIFFE INVESTIGATIONS

## Phase I Preliminary Risk Assessment (PRA)

### Document Control Sheet

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## Executive Summary

INTRODUCTION	Sutcliffe Investigations were instructed by Wales and West Housing to undertake a Phase I Preliminary Risk Assessment (PRA) of the site known as Guys Cliff Nursing Home, Colwyn Bay, LL29 7LN.
AIMS & OBJECTIVES	<p>The Phase 1 PRA is required to assess the ground based environmental and geotechnical risks, development constraints and liabilities associated with the development of the site, required in support of an application for outline planning.</p> <p>This report constitutes a preliminary investigation as defined in BS10175 and contains the following:</p> <ul style="list-style-type: none"> <li> Summary of the information obtained from an Envirocheck Report (Report Reference: 303519721_1_1_1), which is presented in Appendix A.</li> <li> A preliminary risk assessment of potential environmental risks associated with the proposed redevelopment of the site to identified receptors, following the methodology of LCRM and their recommendations on contamination reports.</li> </ul>
DEVELOPMENT PLANS	The proposed development for the site is for 23No. apartments with soft landscaping areas and associated car parking facilities. The proposed development is presented as <i>Drawing Ref: 22.252 - P03 Rev A</i> produced by Munro Associates.
SITE LOCATION & DESCRIPTION	<p>The site address is located at Guys Cliff Nursing Home, Colwyn Bay, LL29 7LN at National Grid Reference (NGR) 284304, 379360.</p> <p>The site is square in shape and can be accessed via Conway Road to the north of the site and Alexandra Road to the east of the site. The site is relatively flat.</p> <p>The site consists of 2 residential buildings surrounded by soft landscaped areas and driveways. The site is bordered by a 1.00m high stone wall.</p> <p>Vegetation such as trees and bushes surround the border of the site.</p> <p>The site is surrounded by residential buildings on all borders, and playing fields are noted to the east and south of the site, as well as railway tracks to the north.</p>
SITE HISTORY	<p><b>Onsite</b></p> <p>The earliest historic map dated 1875 notes no buildings were noted to be on site which was located on mainly field land. By 1913, one residential building was noted to be on site. The site remained to occupy one residential building until 1937 when an additional residential property was built.</p> <p><b>Offsite</b></p> <p>The earliest historical map (1875) indicates trees on the pathways surrounding the site. The remainder of the land off site is noted to be field land. 80m to the north is a brick works. A railway line is also noted to be approximately 135m to the north of the site. The surroundings of the site remain unchanged until 1900, by which time the brickworks is demolished. Old clay pits are noted to be 55m north of the site and 130m northwest of the site. No major changes are noted surrounding the site until 1914, as a high-level pumping station is noted to be built approximately 675m southwest of the site. There are no major changes surrounding the site up to current maps (2022).</p>
GEOTECHNICAL UNCERTAINTY	The site has not been subject to previous development and therefore, the potential for relic foundations and obstructions can be discounted. Trees are noted on-site and therefore tree heave protection measures may be required.

GEOLOGY	<p><b>Artificial</b></p> <p>There are no records of any artificial ground onsite or within 500m of the site.</p> <p><b>Drift</b></p> <p>The superficial drift deposits for the site are noted as Till, Devensian - Clay, sandy, gravelly, cobbly.</p> <p><b>Solid</b></p> <p>The solid geology for the site is noted as being Elwy Formation – Mudstone, siltstone and sandstone.</p>
HYDROGEOLOGY	<p>The Bedrock is classified as a Secondary B Aquifer with the Superficial Deposits classified as a Secondary Undifferentiated Aquifer.</p> <p>No groundwater abstractions have been identified within 1000m of the site.</p>
FAULTS	<p>No faults have been identified within the development site boundary. No action is required in respect to foundation design. 2No. faults are noted within 500m of the site, the nearest is noted 218m north of the site.</p>
RADON	<p>According to the Envirocheck Report, the site is not within a radon affected area, as &lt;1% of homes are above the action level. No radon protection measures are necessary in the construction of new dwellings or extensions.</p>
COAL MINING	<p>The site is not within a coal mining area. No further action is required to assess the risks associated with coal mining assets.</p>
HYDROLOGY	<p>The nearest surface water feature is noted 201m north-east of the site and relates to a drain.</p> <p>No surface abstractions have been identified within 250m radius of the site.</p>
RISK ASSESSMENT	<p>The Phase I PRA has not highlighted significant areas of concern and therefore, the site is deemed to be Class 3 – Low Risk.</p>
CONCLUSIONS & RECOMMENDATIONS	<p>Based on the findings of the Phase I review, Sutcliffe Investigations do not consider there to be any identifiable significant environmental issues regarding the site. However, there is limited information of the ground for geotechnical properties and as such we would therefore recommend the following sequential works are undertaken:</p> <ul style="list-style-type: none"> <li> Submission of this Phase I PRA Report for the benefit of validating the outline planning application.</li> <li> Commission a Phase II Ground Investigation designed to discharge any contaminated land conditions that may be assigned to the site and allow the design of economic foundation solutions.</li> <li> Commission a Flood Risk Assessment.</li> </ul>

*NOTE: The executive summary is an overview of the key findings and conclusions of the report. There may be other information contained in the body of the main report which puts into context the information presented within the executive summary. No reliance should be placed on the executive summary.*

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# 1 Introduction

## 1.1 Terms of Reference

Sutcliffe Investigations were instructed by Wales and West Housing to undertake a Phase I Preliminary Risk Assessment (PRA) of the site known as Guys Cliff, Colwyn Bay.

## 1.2 Development Proposal & Legislative Context

### *Development Proposal*

The proposed development for the site is for 23No. apartments with soft landscaping areas and associated car parking facilities. The proposed development is presented as Drawing Ref: 22.252 - P03 Rev A produced by Munro Associates (September 2022).

### *Legislative Context*

The presence of contaminants which may pose a risk to human health and / or the environment is a planning consideration. As part of the planning regime, it needs to be considered whether the site is “suitable for its proposed end use”. Planning is concerned with the site’s proposed end use, not its current use, where the amount of contamination is required to be low relative to the level of risk.



Section 57 of the Environment Act 1995 adds Part 2A (ss. 78A to 18YC) to the Environmental Protection Act 1990 and contains the legislative framework for identifying and dealing with contaminated land. Where development is undertaken on land which may be affected by contamination, the National Planning Policy Framework, paragraph 120 to 122 considers pollution and remediation. This links the contaminated land regime within the development process.

For there to be a significant risk requiring further investigation a perceived source (contaminant), a receptor (humans, living organisms or property) and a pathway between them must all be present, resulting in a complete contaminant linkage.

In order to assess whether this is the case, background research is required to obtain relevant information about the site and its surroundings and to assess the findings qualitatively. The scope of the assessment examined whether there is the potential for current and historic soil and/or groundwater contamination to be present, both at and in the vicinity of the site, and to assess significance in terms of the potential to pose a risk to human health, controlled waters, building infrastructure and the wider environment and identify any associated potential liabilities.

Part 2A of the Environmental Protection Act 1990 (“Part 2A”) provides the legislative framework for the contaminated land regime in England, Wales and Scotland. It provides for contaminated land to be identified and dealt with in a risk-based manner. The Contaminated Land (England) Regulations 2006 (SI 2006/1380) set out provisions for procedural matters under Part 2A. The 2006 regulations have recently been modified with the introduction of The Contaminated Land (England) (Amendment) Regulations 2012, which came into force on 6th April 2012. This includes an amendment to Regulation 3(c) to take account of the updated definition of “controlled waters” in Section 78A(9) of the

Environmental Protection Act 1990. Section 78A(2) of Part 2A of the EPA 1990 defines contaminated land as “land which appears to the local authority in whose area it is situated to be in such a condition, by reason of substances in, on or under the land, that:

-  significant harm is being caused or there is a significant possibility of such harm being caused; or
-  pollution of controlled waters is being or is likely to be caused.

Contaminated Land Statutory Guidance published in April 2012 provides for a new four category test which is intended to clarify when land does or does not need to be remediated, where Category 1 is deemed as being high risk and Category 4 as being low risk.

### 1.3 Previous Studies

Utilities Connections Management Ltd (UCML) have completed a Level 1 Utility Study of the site dated August 2022.

Sutcliffe are not aware any other previous environmental or geotechnical investigations having been completed on site.




### 1.4 Objectives & Scope of Assessment

The Phase 1 PRA is required to assess the ground based environmental and geotechnical risks, development constraints and liabilities associated with the development of the site, required in support of an application for outline planning.






This report will inform the study of any potential contaminated land issues to be identified, assessed and actioned and has been designed to provide sufficient information to satisfy the requirements of National Planning Policy Framework (NPPF) in order to satisfy the aims and objectives of the project.

The report will culminate in the presentation of a Preliminary Conceptual Site Model (CSM) and will include clear robust recommendations for any additional works. These works will be designed to fully assess and mitigate risks, development constraints and abnormalities that may be required in support of a detailed planning application and design of detailed foundation options.

This report constitutes a preliminary investigation as defined in BS10175 and contains the following:

-  Summary of the information obtained from an Envirocheck Report (Report Ref.: 303519721\_1\_1), which is presented in Appendix A.
-  A preliminary risk assessment of potential environmental risks associated with the proposed redevelopment of the site to identified receptors, following the methodology of Land contamination risk management (LCRM) and their recommendations on contamination reports.
-  Recommendations for further investigation/actions if required.

The scope of works was to undertake a Phase I PRA using available information, and to place the site in its environmental context and has included the following:

-  A review of available historic maps to determine the land-use history in the context of potentially contaminative activities;
-  A review of environmental data relating to the site and its surroundings using a proprietary third-party environmental database;
-  Desk-based assessment of site geology, hydrogeology and hydrology from published mapping and web-based sources to determine the site's environmental setting and sensitivity;
-  A web-based search of the Environment Agency (EA) website and other freely available sources of information to identify any potential issues relating to the site and surrounding areas; and
-  Provision of a qualitative contaminated land risk assessment based on Source-Pathway-Receptor as per current best practice contained in LCRM.

All other information in this report has been obtained via public sources.

## 2 Environmental Review

### 2.1 Introduction

The information presented within this chapter was compiled based on a site inspection, completed by a suitably qualified Sutcliffe Engineer, and a review of an Envirocheck Report (Report Reference: 303519721\_1\_1), presented in *Appendix A*.

### 2.2 Site Location & Setting

The site address is located at 79-81 Conway Road, Colwyn Bay, LL29 7LN at National Grid Reference (NGR) 284300, 379370 and is approximately 0.92km north-west from the Bay of Colwyn Town Council.

Location plans of varying scales are presented as *Figures 1 & 2* and an Aerial Photograph is presented as *Figure 3*.

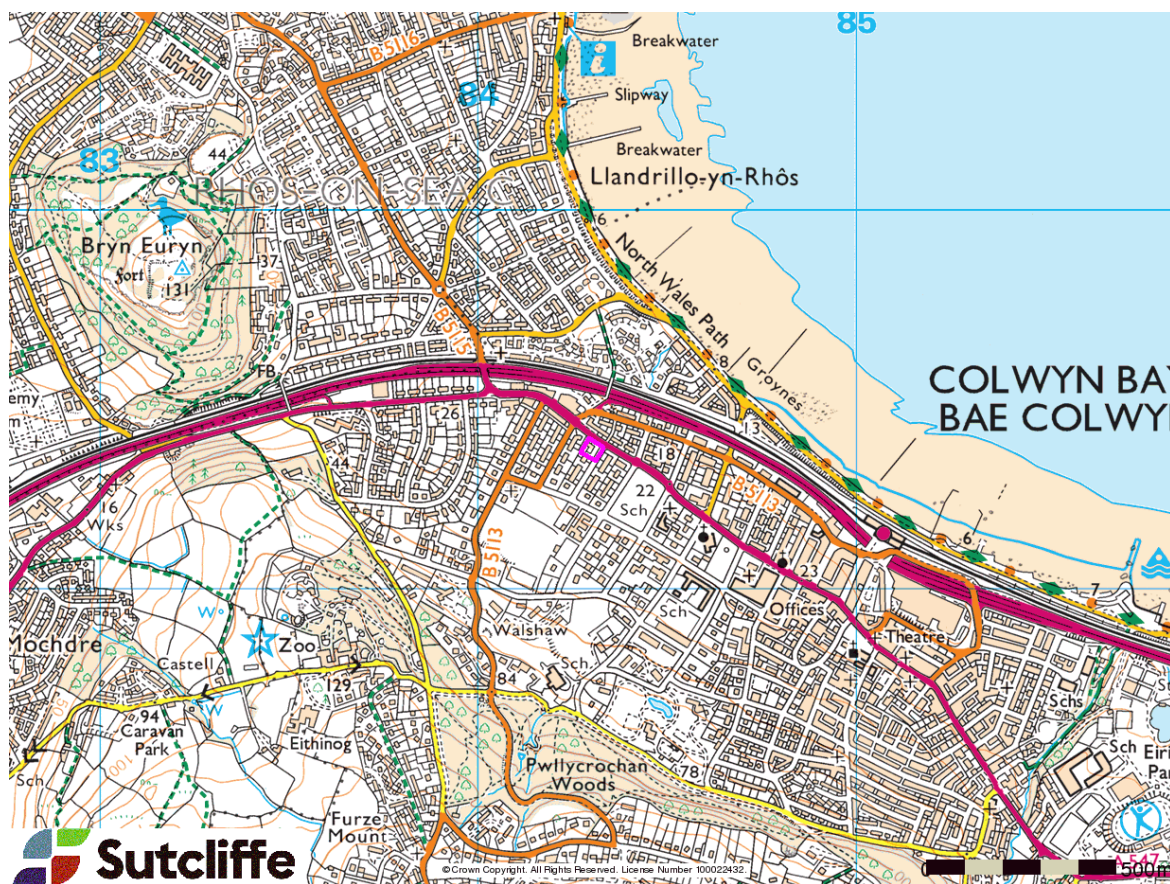
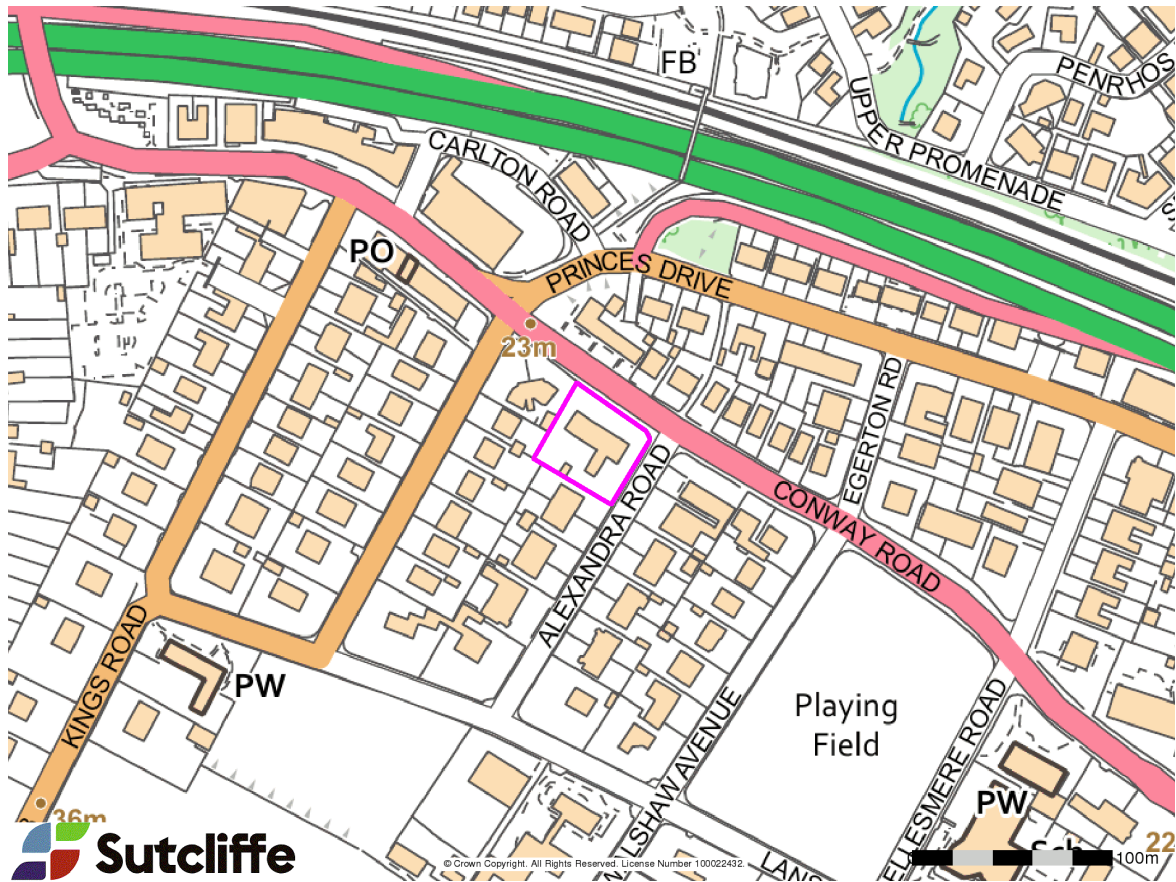


Figure 1: General Location of Site

### 2.3 Site Description & Walkover

The site is roughly square in shape, 0.2ha in area and can be accessed via Conway Road and Alexandra Road to the north-east and south-east of the site respectively. The site has an uneven topography and slightly raised compared to the roads noted previously. The site comprises a two-storey nursing home in the centre with hardstanding roughly located in the northern and southern sections of the site. Areas of soft landscaping are also noted eastern and western sections of the site. A low stone wall with shrubbery and trees is noted to mark

the north-eastern, south-eastern and south-western boundaries of the site. A wooden fence marks the north-western boundary.



**Sutcliffe**  
Figure 2: General Site Layout



**Sutcliffe**  
Figure 3: Aerial Photograph

## 2.4 Adjacent Land Uses

Table 2.1 summarises the adjacent land uses.

Table 2.1: Adjacent Land Uses

Direction	Adjacent Land Use
North	Residential
East	Sensory Loss Centre
South	Residential
West	Veterinary Surgery

## 2.5 Services

### *Electric*

No assets relating to SP Energy Network are noted within the site.

### *Gas*

No assets relating to Cadent Gas are noted within the site.

### *Drainage*

Assets associated with Dŵr Cymru Welsh Water are located adjacent to the site's north-eastern and south-eastern boundaries and potentially enter the site.

### *BT*

A BT cable is noted adjacent to the site's south-eastern boundary with a BT box located immediately south of the site.

### *Underground Pipelines and Transmission Assets*

A search of the Linesearch database was undertaken on 9<sup>th</sup> November 2022. This database lists pipelines owned and/or operated by over 40No. pipeline and transmission operators, but not all operators are registered.

According to the database, there are 3No. underground pipelines or transmission assets on the site or within a 25m search radius, these relate to SP Energy Networks, Wales and West Utilities and Zayo Group UK Ltd c/o JSM Group Ltd.

Service plans are presented in Appendix B.

## **2.6 Site History**

Historical maps were obtained and reviewed by Sutcliffe Investigations to determine the historical development of the target site. These are presented in Appendix A. This enabled an assessment to be made of the potential for contamination associated with former activities, both on-site and in the surrounding areas.

### *Onsite*

The earliest historic map dated 1875 notes no buildings were noted to be on site which was located on mainly field land. By 1913, one residential building was noted to be on site. The site remained to occupy one residential building until 1937 when an additional residential property was built.

A detailed review of the historical development of the site is presented in Appendix C.

### *Offsite*

The earliest historical map (1875) indicates trees on the pathways surrounding the site. The remainder of the land off site is noted to be field land. 80m to the north is a brick works. A railway line is also noted to be approximately 135m to the north of the site. The surrounding of the site remains unchanged until 1900, by which time the brickworks is demolished. Old clay pits are noted to be 55m north of the site and 130m north west of the site. No major changes are noted surrounding the site until 1914, as a high-level pumping station is noted

to be built approximately 675m south west of the site. There are no major changes surrounding the site up to current maps (2022).

A detailed review of the historical development of the surrounding land uses is presented in Appendix C.

## 2.7 Environmental Database

A commercial database search (provided by Envirocheck) was obtained to provide further information regarding the site and the surroundings. Relevant information and records are summarised below:

### *Contaminated Land Entries*

The database has no contaminated land entries within 500m of the site.

### *Environmental Permitted Activities*

According to the database, there are no current Local Authority Integrated Pollution Prevention and Controls within 500m of the site.

There are 3No. Local Authority Pollution Prevention and Controls within 500m of the site, the details of which are presented hereunder:

Table 2.2: Environmental Permitted Activities

Distance / Direction (<500m)	Name	Description	Status
68m NW	Lookers Plc	PG6/34 Respraying of road vehicles	Authorisation revoked
106m NW	Cowies (Ford) Ltd	PG6/34 Respraying of road vehicles	Authorisation revoked
426m E	Princes Drive Service Station	PG1/14 Petrol filling station	Authorised

### *Hazardous Substances Sites*





According to the database, there are no Control of Major Accident Hazards (COMAH) registered sites, no Planning Hazardous Substances Consents and no records of Notification of Installations Handling Hazardous Substances (NIHHS) sites within 500m of the site.

### *Substantiated Pollution Incident Register*

According to the database, there are no substantiated pollution incidents within 500m of the site.

### *Landfill Sites*

According to the Envirocheck Report there are;

-  No Registered Landfill sites within 500m of the site.
-  No Historic Landfill sites within 500m of the site.
-  No BGS Recorded Landfill sites within 500m of the site.
-  No Local Authority Recorded Landfill sites within 500m of the site.

### *Infilled Land*

There is 1No. record of Potentially Infilled Land (Non-Water) within 500m of the site. It is located 14m north-east of the site, relates to Unknown Filled Ground (Pit, quarry etc) and was mapped in 1993.

There are no records of Potentially Infilled Land (Water) within 500m of the site.

### *Waste Management Facilities*

According to the database, there are no Registered Waste Transfer Sites, no Registered Waste Treatment or Disposal Sites and no Licensed Waste Management Facilities within 500m of the site.

### *Radioactive Materials*

According to the Envirocheck Report there are no authorisations for radioactive substances in the surrounding area.

### *Fuel Stations*

According to the database there is 1No. petrol or fuel station entry within 500m of the site. It is located 444m east of the site, relates to Mfg Princes Drive and the status is open.

### *Contemporary Industrial Land Uses*

According to the database there are 21No. entries located within 500m of the site, with 8No. entries recorded within 250m of the site, the details of which are provided hereunder:

Table 2.3: Contemporary Industrial Land Uses

Distance / Direction (<250m)	Name	Classification	Status
31m NE	Vac Repairs	Vacuum Cleaners - Sales & Service	Inactive
33m NE	Paramount Windows	Window Frame Manufacturers	Inactive
71m NW	Car Dealers - Used	Car Dealers - Used	Active
71m NW	Car Dealers - Used	Car Dealers - Used	Inactive
83m NW	Pottery Manufacturers & Suppliers	Pottery Manufacturers & Suppliers	Inactive
175m NW	Office Furniture & Equipment	Office Furniture & Equipment	Inactive

Distance / Direction (<250m)	Name	Classification	Status
179m NW	Vacuum Cleaners - Sales & Service	Vacuum Cleaners - Sales & Service	Inactive
243m N	Road Haulage Services	Road Haulage Services	Inactive

## 2.8 Historical Contamination Potential

### *Site*

Historical maps have indicated residential properties have been present on site from 1913 onwards. The site is currently used as a nursing home with areas of soft landscaping and hardstanding.

With the exception of made ground potentially being present on site, the potential for significant contamination to have arisen at the site as a result of the current and former usage on site is considered to be low. However, the possibility of contamination albeit likely to be localised cannot be discounted.

### *Surrounding Area*






Apart from a pond and clay pits that were infilled by 1913, no identifiable significant potentially contaminative activities were identified as having taken place in the immediate surrounding area.

Therefore, the potential for off-site sources of contamination to impact the site is considered low.

## 3 Environmental Setting

### 3.1 Introduction

Desk-based research of the local geology, hydrogeology, hydrology and ecology was carried out in order to establish the potential for migration of contamination onto or away from the site, and to assess the surface water and groundwater sensitivity of the surrounding area. Information was obtained from a number of sources, namely:

-  Inspection of the British Geological Survey (BGS) GeoIndex Onshore Viewer;
-  Inspection of the MAGIC interactive map service;
-  A review of online web-based information searches;
-  A review of previous site investigation reports pertaining to the site; and,
-  A review of publicly available information.

### 3.2 Soils Chemistry

The environmental database also presents an estimation of the rural background soil chemistry within the site area.

Table 3.1: Soil Chemistry

Contaminant	Concentration (mg/kg)
Arsenic	<15
Cadmium	<1.8
Chromium	60 – 90
Lead	<100
Nickel	15 – 30

Reference to the data presented suggests that the majority of metals concentrations are generally anticipated to be below current Tier 1 Assessment Criteria in relation to human health effects.

### 3.3 Geology

According to the BGS GeoIndex Onshore Viewer and the relevant British Geological Survey (BGS) Solid and Drift Sheets 095 Rhyl (1970) at a scale of 1:50,000 the following geological succession has been identified (Appendix A).

#### *Artificial Ground*

There are no records of any artificial ground on-site or within 500m of the site.

#### *Superficial Geology*

The superficial drift deposits for the site are noted as Till, Devensian - Clay, sandy, gravelly, cobbly.

### *Solid Geology*

The solid geology for the site is noted as Elwy Formation – Mudstone, siltstone and sandstone.

Table 3.2: Geology Summary

Strata	Description	Soil / Rock Type
Artificial Ground	N/a	N/a
Drift	Till, Devensian	Clay, sandy, gravelly, cobbly
Solid	Elwy Formation	Mudstone, Siltstone & Sandstone

### *Faults*

No faults have been identified within the development site boundary. No action is required in respect to foundation design. 2No. faults are noted within 500m of the site, the nearest is noted 218m north of the site.

### *British Geological Society (BGS) Logs / Records*

The nearest available historical borehole log located circa 100m north of the site and has similarly mapped geology as what was mapped on-site for the superficial deposit. The log recorded firm to stiff red brown silty gravelly CLAY from ground level to 10.60m bgl, this is followed by light greenish brown slightly clayey sandy SILT to 11m bgl where the borehole is completed. No groundwater was encountered.

There are no BGS Recorded Mineral sites within 500m of the site.

### *Ground Stability*

Table 3.3 below summarises the natural hazards information presented in the Envirocheck Report.

Table 3.3: Potential Natural Hazards

Natural Hazard	Hazard Potential
Shrink - Swell Clays	Very Low
Landslides	Very Low
Soluble Rocks	No Hazard
Compressible Deposits	No Hazard
Collapsible Deposits	Very Low
Running Sands	Very Low

## **3.4 Radon**

According to the Envirocheck Report, the site is not within a radon affected area, as <1% of homes are above the action level. No radon protection measures are necessary in the construction of new dwellings or extensions.

### 3.5 Hydrogeology

Groundwater protection policy uses aquifer designations that are consistent with the Water Framework Directive.

These designations reflect the importance of aquifers not only in terms of groundwater as a resource (drinking water supply) but also their role in supporting surface water flows and wetland ecosystems.

Types of aquifer designations are presented in *Table 3.4*, with the designations assigned to the underlying strata of the site in *Table 3.5* hereunder:

**Table 3.4: Aquifer Designations**

Designation	Description
Principal Aquifer	Layers of rock or drift deposits that have high intergranular and / or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and / or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer.
Secondary A Aquifer	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formally classified as minor aquifers.
Secondary B Aquifer	Predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers.
Secondary (Undifferentiated) Aquifer	Cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.
Unproductive Aquifer	Rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

**Table 3.5: Hydrogeology Summary**





Strata	Description	Soil / Rock Type	Designation
Superficial	Till, Devensian	Clay, sandy, gravelly, cobbly	Secondary Undifferentiated Aquifer
Bedrock	Elwy Formation	Mudstone, Siltstone & Sandstone	Secondary B Aquifer

The Envirocheck Report indicates that the site is not located within a Groundwater Source Protection Zone (SPZ).

According to the database, there are no groundwater abstraction points within 1000m of the site.

### 3.6 Hydrology

The following is also of note:

-  The nearest surface water feature is noted 201m north-east of the site and relates to a drain.
-  There are no recorded pollution incidents to controlled waters listed in the Envirocheck Report within 500m of the site.
-  There are no surface water abstractions listed within the Envirocheck Report within 1000m of the site.
-  There are no biological or chemical quality records noted within 500m of the site.

### 3.7 Flood Risk

According to the Envirocheck Report the site is not within 250m of an area at risk from extreme flooding from rivers or sea without defences. The site is at a low risk of flooding from surface water.

The BGS Flood GFS Data Map within the Envirocheck report shows the site to be within an area where there is potential for groundwater flooding of property situated below ground level. An FRA would be required.

### 3.8 Sensitive Land Uses

#### *Ecological Receptors*

According to the Envirocheck database, there is 1No. area of sensitive land use within 500m of the site, it relates to Ancient Woodland located 184m north-east of the site, the name of which is unknown.

#### *Significance of Environmental Setting*

The significance of the environmental setting is considered by Sutcliffe Investigations to be as follows:

Table 3.6: Environmental Setting Summary

Environmental Setting	Sensitivity	Rationale
Groundwater	Low	The site is situated in an area of low sensitivity with respect to groundwater resources due to the presence of an Secondary Undifferentiated Aquifer and Secondary B Aquifer beneath the site. This sensitivity is further reduced by the absence of any abstractions (sensitive or otherwise) within the immediate vicinity of the site.
Surface Water	Low	With respect to surface water resources, the site is considered to be located in a low sensitivity setting.
Flood Risk	Moderate	The site is within an area where there is potential for groundwater flooding of property situated below ground level. An FRA would be required.
Sensitive Land Uses	Low	With respect to sensitive land uses such as protected habitats, protected sites, protected buildings and sensitive receptors, the site is considered to be located in a low sensitive setting.


## 4 Preliminary Qualitative Risk Assessment


### 4.1 Preliminary Conceptual Site Model (CSM)


A conceptual model is an essential element of any site-specific environmental risk assessment. In this context, they are often simple representations of the hypothesised relationships between sources, pathways and receptors.

For the purpose of this report, a basic conceptual model has been developed based on the principles of LCRM and interpretation of information gathered during the Phase I review. Thus, this allows the identification of potential contaminant linkages and whether these linkages have the potential to comprise significant harm and/or pollution of controlled waters in relation to the site.

Based on this interpretation, the implications for potential liability associated with soil or water contamination at the site can be evaluated.

 **SOURCES** – the identification of contaminants within the soils and groundwater that represent potential pollution sources;

 **PATHWAYS** – the identification of the potential exposure mechanisms and migration pathways from the potential sources; and

 **RECEPTORS** – the identification of the potential receptors that could be sensitive to harm if exposed to these pollution sources.

Collectively, each of these scenarios would be considered a potential pollutant linkage that may require further assessment.

A preliminary conceptual model is presented below (*Table 4.5*) in accordance with the guidance outlined within LCRM.

### 4.2 Identification of Potential Sources

Based on the information from the desk study, historical maps, published information, and a site walkover a summary of potential contaminant sources is provided in *Table 4.1*.

Table 4.1: Potential Sources

Ref.	Potential Sources	Potential Contaminants
S1 (On-site)	Made Ground associated with existing development & on-site vehicle parking	All metals, fuel, hydrocarbons, PAHs, oils and localised ground gas.

#### *S1 (On-site)*

Made Ground associated with the existing structure is anticipated below site. By its nature, Made Ground can contain a wide range of potentially contaminated material which may also generate leachate.

Vehicle parking is evident onsite associated with the sites previous use. As such, hydrocarbons could have been introduced to the site via leaking of vehicles parked on-site which may pose a risk to human health. A vapour risk may also be present, dependent on

the volume of hydrocarbons present. Any such leaks / spills are anticipated to be relatively minor / small in scale.

### 4.3 Potential Exposure Pathways

Exposure pathways are the potential routes and mechanisms by which potential on-site sources could be linked to the identified potential receptors and thereby expose them to potential harm.

The following potential exposure pathways have been identified at the site:

Table 4.2: Potential Exposure Pathways

Ref.	Pathway	Description
P1	Direct contact with potential contaminants.	Dermal absorption, ingestion and inhalation of contaminants via direct contact. Construction workers may come into contact during the site works, however this will be for a short time and therefore limited exposure will occur. PPE can be used and worn as a precaution to reduce the risk.
P2	Ingestion of potential contaminants.	
P3	Inhalation of potential contaminants.	
P4	Leaching and migration of contaminants.	Downward migration of potential leachates is not envisioned to the underlying impermeable Secondary Undifferentiated and B Aquifers. Migration off-site may be likely due to the presence of the impermeable Glacial Till potentially facilitating lateral migration of perched groundwater. On site drainage may be at risk from shallow contamination if present.
P5	Vertical and lateral migration of ground gases / vapours.	Hydrocarbon spills / leaks may be present but are unlikely to translate into a vapour risk due to anticipated low volumes. No permanent gas sources are envisioned onsite; the thickness of Made Ground are not anticipated deep enough to pose a permanent gas risk. No viable sources of offsite permanent gas sources or migration pathways to site envisioned.

#### *P1 – P3 (Direct contact)*

Soft landscaping is planned within the proposed development. If Made Ground containing contaminative material is present onsite, human health risks to future site users may be present if such Made Ground is left in situ in the planned soft landscaped areas.

#### *P4 (Leaching & Migration)*

Downward migration of any potential leachates generated is not envisioned due to impermeable Devensian Till acting as a barrier and preventing any downward flow of leachates.

Lateral migration of any leachates generated may be possible, percolating rainwater is likely to be peached on top of the impermeable Glacial Till which has the potential to migrate laterally.

### *P5 (Migration of ground gas / vapours)*

Made Ground thicknesses are expected to be relatively limited given the development present onsite. As such, it is considered unlikely that a thickness of Made Ground capable of generating significant thickness of permanent gases will be present, and consequently the risks to human health from permanent gases generated on-site is considered to be low.

While the potential for hydrocarbon contamination on site is thought possible, volumes expected are anticipated to be relatively low, and as such are considered unlikely to pose a viable human health risk from any vapours released for future site users.

## 4.4 Potential Receptors

Based on the site's environmental setting and the proposed future end use of the area following redevelopment, the following potential receptors have been identified:

Table 4.3: Potential Receptors

Ref.	Receptor	Description
R1	Current & future site users	Site users; personnel, general workers and maintenance workers,
R2	Construction Workers	Contractors working on the development of the site. Construction workers, maintenance workers or other personnel who may be directly exposed to contaminated materials in the course of their activities).
R3	Controlled Waters	Surface water features and on-site drainage.
R4	Adjacent Site Users	Adjacent site users. Third-party land ( <i>i.e.</i> , the possibility of contamination migrating off-site onto third party land <i>via</i> contaminated groundwater, surface water run-off).
R5	Infrastructure / Buried services	Proposed buildings and buried services

*NOTE: ground workers (i.e., If the site were redeveloped, any associated activities may bring site personnel and construction workers into contact with potentially contaminative materials, however, it is considered that the risks to workers will be short term and could be controlled by safe working procedures.*

## 4.5 Potential Contaminant Linkages

In order for there to be a plausible contaminant linkage there must be a source, receptor and pathway and a feasible linkage between them (a contaminant linkage).

Consequently, even where a contaminant is identified, if there is no pathway for the contamination to reach a receptor, or no receptor then there can be no significant risk and remedial actions are not required.

Central to this risk assessment process is the development of a 'conceptual model'. This is a descriptive and/or pictorial representation of the area of potential contamination, the surrounding environment and the processes acting on the contaminants by which they can

move and come into contact with receptors (e.g., by leaching and migration into groundwater).

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences.

Therefore, in order to assess risk both the likelihood and the consequences of an event must be considered.

This report adopts the methodology for risk evaluation presented in CIRIA report C552 'Contaminated Land Risk Assessment – A Guide to Good Practice', 2001.

The method is qualitative and involves the classification of the following:




-  The magnitude of the potential severity or consequence of the risk occurring (*Table 4.4*);
-  The magnitude of the likelihood or probability of the risk occurring (*Table 4.5*);
-  Once the likelihood of an event occurring and its severity have been classified, a risk category can be assigned (*Table 4.6*).

Table 4.4: Classification of consequence

Classification	Definition
Severe	Acute risks to human health, catastrophic damage to buildings/property, major pollution of controlled waters.
Medium	Chronic risk to human health, pollution of sensitive controlled waters, significant effects on sensitive ecosystems or species, significant damage to buildings or structures.
Mild	Pollution of non-sensitive waters, minor damage to buildings or structures.
Minor	Requirement for protective equipment during site works to mitigate health effects, damage to non-sensitive ecosystems or species.

Table 4.5: Classification of Probability

Classification	Definition
High Likelihood	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution.
Likely	There is a pollution linkage, and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term
Low Likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the shorter term.
Unlikely	There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the very long term.

Table 4.6: Risk Assessment Matrix

Consequence				Probability
Severe	Medium	Mild	Minor	
Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk	
High Risk	Moderate Risk	Moderate / Low Risk	Low Risk	
Moderate Risk	Moderate / Low Risk	Low Risk	Very Low Risk	
Moderate / Low Risk	Low Risk	Very Low Risk	Very Low Risk	
Low Risk	Very Low Risk	Very Low Risk	Very Low Risk	Negligible Likelihood

Sutcliffe has devised a conceptual model based on the information obtained to date through the desk-based study and future residential usage of the site. This is detailed in tabular format in *Table 4.7* and pictorially in *Figure 4*.

Table 4.7: Preliminary Risk Evaluation of Potential Contaminant Linkages

1. Hazard Identification		2. Hazard Assessment				3. Risk Estimation		4. Risk Evaluation	5. Action required
Contaminant Source		Pathway		Receptor		Consequence	Probability	Classification	
S1	Potentially contaminated soil on-site	P1	Direct contact with potential contaminants.	R1/2	Site users	Medium	Low	Moderate / Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard. Investigation is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
		P2	Ingestion of potential contaminants.	R1/2	Site users	Medium	Low	Moderate / Low Risk	
		P3	Inhalation of potential contaminants.	R1/2	Site users	Severe	Low	Moderate Risk	
		P4	Leaching and migration of contaminants.	R3/5	Surface Water Features	Medium	Low	Moderate / Low Risk	
		P5	Vertical and lateral migration of ground gases / vapours.	R1	Site users	Severe	Unlikely	Moderate / Low Risk	
				R4	Property	Severe	Unlikely	Moderate / Low Risk	

## 5 Conclusions & Recommendations

### 5.1 Introduction

Sutcliffe Investigations were instructed Wales and West Housing, to provide a Phase I PRA report. The purpose of the report is to generate preliminary environmental assessment data for submission with an outline planning application for redevelopment of the site.

This comprised a review of the Phase I PRA data, collection of environmental information and reports undertaken on the site.

### 5.2 Environmental Risk Assessment Findings

The site is square in shape and is surrounded by residential properties with a veterinary surgery and sensory loss centre located north and east of the site respectively. The site currently comprises of a nursing home with areas of soft landscaping and hardstanding. The development history of the site has not identified a significant source of environmental concern, and information contained within the environmental database has not highlighted any major concerns. The site is underlain by a Secondary B Aquifer for the bedrock, with Secondary Undifferentiated Aquifer for the superficial deposits.

Taking the above into account, it is considered that there is a low potential for significant contamination to be present, however it is considered that localised contamination that may represent a risk to long term human health and also with the potential for leaching of contaminants into controlled waters may be present. Consequently, the environmental risk setting for the site is considered to be low.

### 5.3 Classification & Land Use Risk

The area surrounding site was mainly field land with occasional residential properties. Over time, all surrounding areas were built up with residential expansion.

The classification of risk is as follows:

Table 5.1: Land Use Risk Classification

Class	Description
Class 1	Potential for High levels of contamination and migration of contamination off the site.
Class 2	Potential for Medium levels of contamination and migration of contamination off site.
Class 3	Potential for Low levels of contamination and migration of contamination off site.
Class 4	Potential for limited contamination.




The Phase I PRA has not highlighted significant areas of concern and therefore, the site is deemed to be Class 3 – Low Risk.

### 5.4 Geotechnical Uncertainty

The site has not been subject to previous development and therefore, the potential for relic foundations and obstructions can be discounted. Trees are noted on-site and therefore tree heave protection measures may be required.

## 5.5 Conclusions & Recommendations

Based on the findings of the Phase I PRA review, Sutcliffe Investigations do not consider there to be any identifiable significant environmental issues regarding the site. However, there is limited information of the ground for geotechnical properties and as such we would therefore recommend the following sequential works are undertaken:

-  Submission of this Phase I PRA Report for the benefit of validating the outline planning application.
-  Commission a Phase II Ground Investigation designed to discharge any contaminated land conditions that may be assigned to the site and allow the design of economic foundation solutions.
-  Commission a Flood Risk Assessment.

## Appendix A – Envirocheck Report (Report Reference: 303519721\_1\_1)

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

303519721\_1\_1

**Customer Reference:**

32999LG

**National Grid Reference:**

284300, 379370

**Slice:**

A

**Site Area (Ha):**

0.2

**Search Buffer (m):**

1000

#### Site Details:

79-81, Conway Road

COLWYN BAY

LL29 7LN

#### Client Details:

MR W Baldwin

Sutcliffe Projects Ltd

18-20 Harrington Street

Liverpool

L2 9QA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	13
Hazardous Substances	-
Geological	14
Industrial Land Use	16
Sensitive Land Use	26
Data Currency	28
Data Suppliers	33
Useful Contacts	34

#### Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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#### Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices	pg 3				1
Discharge Consents	pg 3		1	4	20
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
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 9		2	1	1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 10		Yes		
Pollution Incidents to Controlled Waters	pg 10				2
Prosecutions Relating to Authorised Processes	pg 10				1
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
Substantiated Pollution Incident Register					
River Quality Chemistry Sampling Points					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 10	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 11		2		14

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 13	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 13		1		1
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 14	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 14	Yes			Yes
BGS Recorded Mineral Sites	pg 14				2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 14	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 15	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 16		8	13	49
Fuel Station Entries	pg 22			1	
Points of Interest - Commercial Services	pg 22			6	12
Points of Interest - Education and Health	pg 23			2	
Points of Interest - Manufacturing and Production	pg 23			1	4
Points of Interest - Public Infrastructure	pg 24			5	5
Points of Interest - Recreational and Environmental	pg 25		1		
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland	pg 26		1		12
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 26				3
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas	pg 27				2
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	0	1	284300 379367
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (W)	0	1	284301 379367
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	54	1	284350 379300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	108	1	284200 379450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	145	1	284400 379500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	152	1	284301 379550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	159	1	284250 379550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	179	1	284200 379550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	202	1	284301 379600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	223	1	284200 379600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	300	1	284600 379500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	317	1	284550 379600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	320	1	284650 379367
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	321	1	284650 379400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	325	1	283950 379400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	325	1	284500 379650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	340	1	284450 379700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	352	1	283950 379500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	354	1	284550 379650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	357	1	284000 379600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	359	1	284100 379700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	368	1	284400 379750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	370	1	284700 379367
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	371	1	284700 379400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	383	1	283900 379450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	389	1	284050 379700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	398	1	284400 378950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	406	1	284350 379800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	413	1	284000 379050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	420	1	284750 379367
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	421	1	284750 379400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	422	1	284000 379700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	448	1	283950 379050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	452	1	283850 379200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	452	1	284301 379850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	455	1	283900 379100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	459	1	284450 378900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	470	1	284800 379350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	470	1	284800 379367
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	484	1	283950 379000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	485	1	283800 379250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	485	1	283900 379050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	492	1	284100 379850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	492	1	284250 378850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	493	1	284000 378950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	496	1	284400 378850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	497	1	283850 379100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (NW)	497	1	283900 379700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	499	1	283800 379200
1	<b>Contaminated Land Register Entries and Notices</b> Location: Berry's Garage, Whitehall Road; Plas Rhos Hotel, Cayley Promenade; Whitehall Hotel, Cayley Promenade; Sea Breeze, Cayley Promenade Notice Type: Remediation Statement - Remediation Work Completed Reference: PCLA10/DET 1/2004 Dated: 5th June 2008 Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A18NW (N)	790	2	284133 380171
2	<b>Discharge Consents</b> Operator: Welsh Office - Highways Group Property Type: Undefined Or Other Location: Colwyn Bay A55 North West Coast Rd., A55 North West Coast Rd.Prince Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0104401 Permit Version: 1 Effective Date: 22nd February 1982 Issued Date: 22nd February 1982 Revocation Date: 24th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Un-Named Watercourse <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	240	3	284480 379560
3	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay - Promenade Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0149001 Permit Version: 2 Effective Date: 23rd February 1993 Issued Date: 23rd November 1992 Revocation Date: 4th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Colwyn Bay <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	384	3	284560 379680
3	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay - Promenade Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0149001 Permit Version: 1 Effective Date: 24th September 1987 Issued Date: 24th September 1987 Revocation Date: 22nd February 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Colwyn Bay <b>Status: Authorisation revoked</b> Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	384	3	284560 379680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Llanerch And Conwy Egerton Roa Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0137501 Permit Version: 2 Effective Date: 23rd February 1993 Issued Date: 23rd November 1992 Revocation Date: 4th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Irish Sea <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	394	3	284520 379720
4	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Llanerch And Conwy Egerton Roa Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0137501 Permit Version: 1 Effective Date: 24th September 1987 Issued Date: 24th September 1987 Revocation Date: 22nd February 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Irish Sea <b>Status: Authorisation revoked</b> Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	394	3	284520 379720
5	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay Promenade Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: CG0149601 Permit Version: 2 Effective Date: 23rd February 1993 Issued Date: 23rd November 1992 Revocation Date: 27th January 2000 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Colwyn Bay <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A18SE (N)	582	3	284310 379980
5	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay Promenade Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0149601 Permit Version: 1 Effective Date: 24th September 1987 Issued Date: 24th September 1987 Revocation Date: 22nd February 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Colwyn Bay <b>Status: Authorisation revoked</b> Positional Accuracy: Located by supplier to within 10m	A18SE (N)	582	3	284310 379980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay Town Centre Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: CG0137601 Permit Version: 2 Effective Date: 23rd February 1993 Issued Date: 23rd November 1992 Revocation Date: 12th May 2000 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Irish Sea <b>Status:</b> <b>Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	635	3	284890 379670
6	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay Town Centre Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0137601 Permit Version: 1 Effective Date: 24th September 1987 Issued Date: 24th September 1987 Revocation Date: 22nd February 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Irish Sea <b>Status:</b> <b>Authorisation revoked</b> Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	635	3	284890 379670
6	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Marine Rd Cso Marine Rd Colwyn Bay, Marine Road Cso, Marine Road, Colwyn Bay Authority: Natural Resources Wales Catchment Area: NORTH WALES Reference: Cg0139301 Permit Version: 3 Effective Date: 31st December 1999 Issued Date: 2nd February 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Controlled Sea Environment: Receiving Water: Colwyn Bay <b>Status:</b> <b>Effective</b> Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	636	3	284880 379690
6	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Marine Rd Cso Marine Rd Colwyn Bay, Marine Road Cso, Marine Road, Colwyn Bay Authority: Natural Resources Wales Catchment Area: NORTH WALES Reference: Cg0139301 Permit Version: 3 Effective Date: 31st December 1999 Issued Date: 2nd February 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Controlled Sea Environment: Receiving Water: Colwyn Bay <b>Status:</b> <b>Effective</b> Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	636	3	284880 379690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<b>Discharge Consents</b> Operator: Network Rail Property Type: Railways Location: Colwyn Bay Railway Station Conwy, Colwyn Bay Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg038600101 Permit Version: 1 Effective Date: 23rd March 2000 Issued Date: 23rd March 2000 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge: Controlled Sea Environment: Receiving Water: Coastal Waters Via A55 Drain <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A14SE (E)	691	3	285000 379200
7	<b>Discharge Consents</b> Operator: Network Rail Property Type: Not Supplied Location: Colwyn Bay Railway Station Conwy, Colwyn Bay Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg0386001 Permit Version: 1 Effective Date: 23rd March 2000 Issued Date: 23rd March 2000 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge: Controlled Sea Environment: Receiving Water: Coastal Waters Via A55 Drain <b>Status: Effective</b> Positional Accuracy: Located by supplier to within 100m	A14SE (E)	691	3	285000 379200
8	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay - Marine Road Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: CG0139301 Permit Version: 2 Effective Date: 23rd February 1993 Issued Date: 23rd November 1992 Revocation Date: 30th December 1999 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Colwyn Bay <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b> Positional Accuracy: Located by supplier to within 100m	A14SE (E)	722	3	285040 379240
8	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay - Marine Road Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0139301 Permit Version: 1 Effective Date: 24th September 1987 Issued Date: 24th September 1987 Revocation Date: 22nd February 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Colwyn Bay <b>Status: Authorisation revoked</b> Positional Accuracy: Located by supplier to within 10m	A14SE (E)	722	3	285040 379240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Whitehall Rd And Brompton Aven Colw, Colwyn Bay Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0149101 Permit Version: 2 Effective Date: 23rd February 1993 Issued Date: 23rd November 1992 Revocation Date: 16th March 1998 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Colwyn Bay <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 100m	A18NW (N)	744	3	284240 380140
9	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Whitehall Rd And Brompton Aven Colw, Colwyn Bay Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0149101 Permit Version: 1 Effective Date: 24th September 1987 Issued Date: 24th September 1987 Revocation Date: 22nd February 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Colwyn Bay <b>Status: Authorisation revoked</b> Positional Accuracy: Located by supplier to within 10m	A18NW (N)	744	3	284240 380140
10	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay Station Square Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: CG0166301 Permit Version: 1 Effective Date: 19th October 1989 Issued Date: 19th October 1989 Revocation Date: 2nd January 2001 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Unnamed W/C <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A14SE (E)	816	3	285100 379100
11	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Opposite Cayley Promenade Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: CG0137401 Permit Version: 2 Effective Date: 23rd February 1993 Issued Date: 23rd November 1992 Revocation Date: 12th May 2000 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A18NW (N)	846	3	284220 380240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Opposite Cayley Promenade Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0137401 Permit Version: 1 Effective Date: 24th September 1987 Issued Date: 24th September 1987 Revocation Date: 22nd February 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters <b>Status: Authorisation revoked</b> Positional Accuracy: Located by supplier to within 10m	A18NW (N)	846	3	284220 380240
12	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Rhos On Sea Whitehall Rd/St George, Whitehall Rd/St George Rd - Ss Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0192301 Permit Version: 1 Effective Date: 19th October 1989 Issued Date: 19th October 1989 Revocation Date: 4th March 1994 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Sewage Environment: Receiving Water: Surface Water Sewer <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 100m	A18NW (N)	855	3	284000 380200
13	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay Woodlands Road East Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0166401 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 4th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Unnamed W/C <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	874	3	285000 378800
14	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay Sea View Road - Sso Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: CG0166201 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 12th May 2000 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Unnamed W/C <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	902	3	285100 378900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay - Marine Drive Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0148901 Permit Version: 2 Effective Date: 23rd February 1993 Issued Date: 23rd November 1992 Revocation Date: 4th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Colwyn Bay <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A18NW (N)	935	3	284220 380330
15	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Colwyn Bay - Marine Drive Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cg0148901 Permit Version: 1 Effective Date: 24th September 1987 Issued Date: 24th September 1987 Revocation Date: 22nd February 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Coastal Waters - Colwyn Bay <b>Status: Authorisation revoked</b> Positional Accuracy: Located by supplier to within 10m	A18NW (N)	935	3	284220 380330
16	<b>Prosecutions Relating to Controlled Waters</b> Location: Colwyn Bay Station, Colwyn Bay, Clwyd, LL29 8 Prosecution Text: EA Data 07/03/2000, Diesel released onto the beach from a surface water drainage outfall. This had originated from the trackbed at Colwyn Bay station. Prosecution Act: Not Supplied Hearing Date: 3rd March 2000 Verdict: Guilty Fine: 4000 Cost: 150 Positional Accuracy: Manually positioned to the address or location	A14SE (E)	797	4	285095 379145
17	<b>Local Authority Pollution Prevention and Controls</b> Name: Lookers Plc Location: Conway Road, COLWYN BAY, Conwy, LL29 8AR Authority: Conwy County Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles <b>Status: Authorisation revoked</b> Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	68	2	284245 379445
17	<b>Local Authority Pollution Prevention and Controls</b> Name: Cowies (Ford) Ltd Location: West End, 122 Conway Road, COLWYN BAY, Clwyd, LL29 7LS Authority: Conwy County Borough Council, Environmental Health Department Permit Reference: 13 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles <b>Status: Authorisation revoked</b> Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	106	2	284232 379483
18	<b>Local Authority Pollution Prevention and Controls</b> Name: Princes Drive Service Station Location: Princes Drive, COLWYN BAY, Clwyd, LL29 8PL Authority: Conwy County Borough Council, Environmental Health Department Permit Reference: PVR 13 Dated: 22nd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station <b>Status: Authorised</b> Positional Accuracy: Located by supplier to within 10m	A14SW (E)	426	2	284750 379300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<b>Local Authority Pollution Prevention and Controls</b> Name: Johnsons Cleaners Uk Ltd Location: 31 Conwy Road, Colwyn Bay, Conwy, LI29 7aa Authority: Conwy County Borough Council, Environmental Health Department Permit Reference: PCCBC 23-06 Dated: 6th December 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning <b>Status: Authorisation revoked</b> Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	614	2	284835 379017
	<b>Nearest Surface Water Feature</b>	A13NE (NE)	201	-	284456 379530
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Boats/Ships Location: RHOS-ON-SEA Authority: Environment Agency, Welsh Region Pollutant: Oils - Petrol Note: Accidental Spillage/Leakage Incident Date: 29th September 1991 Incident Reference: 2024 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	671	4	284001 380001
21	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Near Bryntirion Hospital, COLWYN BAY Authority: Environment Agency, Welsh Region Pollutant: Sewage - Septic Tank Effluent Note: Not Supplied Incident Date: 9th March 1996 Incident Reference: 27572 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	936	4	285250 379200
22	<b>Prosecutions Relating to Authorised Processes</b> Location: 66 Oak Drive, Colwyn Bay, LI29 7ys Prosecution Text: Operating illegal waste transfer station Prosecution Act: Epa90 S33 Hearing Date: 1st March 2009 Verdict: Guilty Fine: 1400 Costs: 2151 Positional Accuracy: Manually positioned within the geographical locality	A12SE (SW)	532	4	283797 379122
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial: >90% Patchiness: Superficial Thickness: >10m Superficial Recharge: Low	A13SE (W)	0	3	284301 379367
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - B	A13SE (W)	0	3	284301 379367
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (W)	0	3	284301 379367
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
23	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 41.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A13NE (NE)	201	5	284456 379530
24	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 93.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A13NE (NE)	237	5	284462 379569
25	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	663	5	284201 378684
26	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	669	5	284196 378678
27	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 83.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	679	5	284188 378670
28	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 156.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	751	5	284146 378606
29	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 46.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	751	5	284146 378606
30	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	792	5	284124 378569

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 15.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	797	5	284123 378564
32	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 52.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	812	5	284121 378549
33	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 36.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	861	5	284106 378502
34	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 57.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	889	5	284076 378480
35	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	928	5	284025 378455
36	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	931	5	284022 378453
37	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 129.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	935	5	284132 378420
38	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 91.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dulas Ganol Primacy: 1	A8SW (S)	951	5	284008 378436

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Local Authority Landfill Coverage</b> Name: Conwy County Borough Council - Has supplied landfill data		0	2	284301 379367
39	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13NE (NE)	14	-	284321 379395
40	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A14SE (E)	769	-	285047 379090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Ludlow Rocks (Undifferentiated)	A13SE (W)	0	1	284301 379367
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (W)	0	1	284301 379367
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: no data Cadmium Concentration: <1.8 mg/kg Chromium Concentration: no data Lead Concentration: <100 mg/kg Nickel Concentration: no data	A14NW (NE)	602	1	284838 379694
41	<b>BGS Recorded Mineral Sites</b> Site Name: Pwll-Y-Crochan Woods Location: Colwyn Bay, Llandudno, Conwy Source: British Geological Survey, National Geoscience Information Service Reference: 181346 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A8SE (S)	813	1	284445 378536
42	<b>BGS Recorded Mineral Sites</b> Site Name: Bryn-Hafod Location: Colwyn Bay, Llandudno, Conwy Source: British Geological Survey, National Geoscience Information Service Reference: 181347 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Silurian Geology: Elwy Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	820	1	283632 378848
	<b>BGS Measured Urban Soil Chemistry</b> No data available				
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	284301 379367
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	284301 379367
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	284301 379367
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	284301 379367

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	284301 379367
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	131	1	284216 379503
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	284301 379367
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	284301 379367
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	142	1	284450 379446
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	168	1	284188 379528
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	250	1	284473 379578
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	284301 379367
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	284301 379367

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	<b>Contemporary Trade Directory Entries</b> Name: Vac Repairs Location: 116, Conway Road, Colwyn Bay, Clwyd, LL29 7LL Classification: Vacuum Cleaners - Sales & Service <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	31	-	284346 379399
43	<b>Contemporary Trade Directory Entries</b> Name: Paramount Windows Location: Veterinary Surgery, 118, Conway Road, Colwyn Bay, Clwyd, LL29 7LL Classification: Window Frame Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	33	-	284333 379411
44	<b>Contemporary Trade Directory Entries</b> Name: West End Cars Location: 85b, Conway Road, Colwyn Bay, LL29 7LW Classification: Car Dealers - Used <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	71	-	284234 379435
44	<b>Contemporary Trade Directory Entries</b> Name: Grosvenor Autos Location: 85, Conway Road, Colwyn Bay, Clwyd, LL29 7LW Classification: Car Dealers - Used <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	71	-	284234 379435
44	<b>Contemporary Trade Directory Entries</b> Name: The Pottery Studio Location: 91, Conway Road, Colwyn Bay, Clwyd, LL29 7LW Classification: Pottery Manufacturers & Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	83	-	284223 379441
45	<b>Contemporary Trade Directory Entries</b> Name: Copyright Location: 150, Conway Road, Colwyn Bay, Clwyd, LL29 7LR Classification: Office Furniture & Equipment <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	175	-	284171 379522
45	<b>Contemporary Trade Directory Entries</b> Name: N W Vacuum Centre Location: 121, Conway Road, Colwyn Bay, Clwyd, LL29 7LS Classification: Vacuum Cleaners - Sales & Service <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	179	-	284140 379489
46	<b>Contemporary Trade Directory Entries</b> Name: Yellow Van Man Location: 8, Wainwright Close, Rhos on Sea, Colwyn Bay, Clwyd, LL28 4DZ Classification: Road Haulage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (N)	243	-	284247 379637
47	<b>Contemporary Trade Directory Entries</b> Name: G D L Blast Location: 11, Penrhos Road, Colwyn Bay, Clwyd, LL28 4DB Classification: Blast Cleaning <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	281	-	284499 379596
48	<b>Contemporary Trade Directory Entries</b> Name: Abbey Scaffolding Location: 12, Penrhos Road, Colwyn Bay, Clwyd, LL28 4DB Classification: Scaffolding & Work Platforms <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	318	-	284595 379547
48	<b>Contemporary Trade Directory Entries</b> Name: Damp Pro Location: 23, Penrhos Road, Colwyn Bay, Clwyd, LL28 4DB Classification: Damp & Dry Rot Control <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	327	-	284586 379575

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	<b>Contemporary Trade Directory Entries</b> Name: Safe & Secure Roller Shutters Location: Apartment 9, Balmoral Apartments, West Promenade, Rhos on Sea, Colwyn Bay, LL28 4EH Classification: Roller Shutter Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A14NW (E)	361	-	284666 379503
50	<b>Contemporary Trade Directory Entries</b> Name: Brompton Garage Location: 4, Brompton Avenue, Rhos on Sea, Colwyn Bay, LL28 4TE Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	417	-	284007 379700
51	<b>Contemporary Trade Directory Entries</b> Name: Texaco Location: Princes Drive, Colwyn Bay, Clwyd, LL29 8PL Classification: Petrol Filling Stations <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A14SW (E)	444	-	284768 379298
51	<b>Contemporary Trade Directory Entries</b> Name: Manor Service Station Location: Princes Drive, Colwyn Bay, Clwyd, LL29 8HT Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (E)	444	-	284768 379299
51	<b>Contemporary Trade Directory Entries</b> Name: Texaco Location: Princes Drive, Colwyn Bay, LL29 8PL Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A14SW (E)	445	-	284770 379301
52	<b>Contemporary Trade Directory Entries</b> Name: Gareth Turner Haulage Ltd Location: 28, Yerburch Avenue, Colwyn Bay, Clwyd, LL29 7NB Classification: Concrete & Mortar Ready Mixed <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (W)	452	-	283821 379339
53	<b>Contemporary Trade Directory Entries</b> Name: Cyclo-Vac Built In Vacuums Location: 23, Brompton Avenue, Rhos on Sea, Colwyn Bay, Clwyd, LL28 4TE Classification: Vacuum Cleaners, Industrial & Commercial - Manufacturers & Distributors <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	469	-	283940 379706
54	<b>Contemporary Trade Directory Entries</b> Name: C T L Location: Princes Business Centre, 26, Mostyn Road, Colwyn Bay, Clwyd, LL29 8PB Classification: Medical Equipment Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (E)	474	-	284783 379232
55	<b>Contemporary Trade Directory Entries</b> Name: Total Chemical Solutions Location: 55, Oak Drive, Colwyn Bay, Clwyd, LL29 7YP Classification: Chemicals - Distributors & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NW (SW)	474	-	284039 378948
56	<b>Contemporary Trade Directory Entries</b> Name: Spectrum Location: Commodore House, 51, Conway Road, Colwyn Bay, Clwyd, LL29 7AW Classification: Copying & Duplicating Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (SE)	491	-	284717 379062
57	<b>Contemporary Trade Directory Entries</b> Name: Ready Mixed Concrete (Wales) Ltd Location: 3, Wynnstay Road, Colwyn Bay, Clwyd, LL29 8NB Classification: Concrete & Mortar Ready Mixed <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (SE)	506	-	284768 379117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	<b>Contemporary Trade Directory Entries</b> Name: S R Last Location: Office 1 Somerset House, Colwyn Bay, Clwyd, LL29 8NB Classification: Cladding Suppliers & Installers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	508	-	284764 379105
58	<b>Contemporary Trade Directory Entries</b> Name: Maids Of Honour Location: 66, Oak Drive, Colwyn Bay, Clwyd, LL29 7YS Classification: Cleaning Services - Domestic <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	532	-	283797 379122
59	<b>Contemporary Trade Directory Entries</b> Name: Applied Petroleum Technology Location: 14, Wynnstay Road, Colwyn Bay, Clwyd, LL29 8NB Classification: Oil & Gas Exploration Supplies & Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	547	-	284819 379125
60	<b>Contemporary Trade Directory Entries</b> Name: Slaters Of Colwyn Bay Location: Conway Road, Colwyn Bay, Clwyd, LL29 7LY Classification: Car Dealers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A12NE (W)	549	-	283744 379509
60	<b>Contemporary Trade Directory Entries</b> Name: Slaters Location: Conway Road, Colwyn Bay, Clwyd, LL29 7LY Classification: Car Customisation & Conversion Specialists <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	550	-	283744 379509
61	<b>Contemporary Trade Directory Entries</b> Name: Fads Location: 45, Conway Road, Colwyn Bay, Clwyd, LL29 7AW Classification: Wallpapers & Wall Coverings <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	555	-	284776 379035
62	<b>Contemporary Trade Directory Entries</b> Name: North Wales Telecom Location: 2 Hawarden Rd, Colwyn Bay, Clwyd, LL29 8NA Classification: Telecommunications Equipment & Systems <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	615	-	284852 379044
62	<b>Contemporary Trade Directory Entries</b> Name: Johnson Cleaners (Uk) Ltd Location: 31, Conway Road, Colwyn Bay, Clwyd, LL29 7AA Classification: Dry Cleaners <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	621	-	284839 379011
62	<b>Contemporary Trade Directory Entries</b> Name: Betterbuys Wallpaper Location: 32-34, Conway Road, Colwyn Bay, Clwyd, LL29 7HT Classification: Wallpapers & Wall Coverings <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	629	-	284864 379037
62	<b>Contemporary Trade Directory Entries</b> Name: Better Buy Wallpapers Location: 32-34, Conway Road, Colwyn Bay, LL29 7HT Classification: Wallpapers & Wall Coverings <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	629	-	284864 379037
62	<b>Contemporary Trade Directory Entries</b> Name: The Bay Laser & Beauty Clinic For Men & Women Location: 28, Conway Road, Colwyn Bay, Clwyd, LL29 7HT Classification: Electrolysis <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	637	-	284871 379033
62	<b>Contemporary Trade Directory Entries</b> Name: Vinyl Sign Shop Location: 1c Penrhyn Rd, Colwyn Bay, Clwyd, LL29 8LG Classification: Printers <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	653	-	284890 379034

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	<b>Contemporary Trade Directory Entries</b> Name: 1st Choice Upholstery & Repairs Location: Llewelyn Rd, Colwyn Bay, Clwyd, LL29 7AS Classification: Furniture - Repairing & Restoring <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	658	-	284806 378904
64	<b>Contemporary Trade Directory Entries</b> Name: Hunt Machining Location: Llewelyn Road, Colwyn Bay, Clwyd, LL29 7AP Classification: Precision Engineers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	683	-	284865 378939
64	<b>Contemporary Trade Directory Entries</b> Name: Goldstar Windows Location: Llewelyn Road, COLWYN BAY, Clwyd, LL29 7AP Classification: Window Frame Manufacturers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	683	-	284865 378939
65	<b>Contemporary Trade Directory Entries</b> Name: Fibre Associates Ltd Location: 12, Coed Pella Road, Colwyn Bay, Clwyd, LL29 7BA Classification: Fibre Optics <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	685	-	284702 378775
66	<b>Contemporary Trade Directory Entries</b> Name: Bastable Upholstry Location: 18-20, Penrhyn Road, COLWYN BAY, Clwyd, LL29 8LG Classification: Furniture - Repairing & Restoring <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	689	-	284941 379051
66	<b>Contemporary Trade Directory Entries</b> Name: Alpha Business Centre Ltd Location: First Floor, 32, Penrhyn Road, Colwyn Bay, Clwyd, LL29 8LG Classification: Office Furniture & Equipment <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	690	-	284960 379087
67	<b>Contemporary Trade Directory Entries</b> Name: Paper Safe Ltd Location: 9, Conway Road, Colwyn Bay, Clwyd, LL29 7NT Classification: Shredding Equipment & Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	703	-	284911 378972
67	<b>Contemporary Trade Directory Entries</b> Name: Uk Specialist Watches Location: 12, Conway Road, Colwyn Bay, Clwyd, LL29 7HS Classification: Clocks & Watches - Manufacturers & Wholesalers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	707	-	284930 378996
67	<b>Contemporary Trade Directory Entries</b> Name: Matthews & Son Hardware Location: 6, Conway Road, Colwyn Bay, LL29 7HS Classification: Hardware <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	712	-	284934 378991
68	<b>Contemporary Trade Directory Entries</b> Name: Mike Latchford Location: 75, Llannerch Road West, Rhos on Sea, Colwyn Bay, Clwyd, LL28 4AS Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	705	-	283607 379592
69	<b>Contemporary Trade Directory Entries</b> Name: W Bevan & Sons Ltd Location: 19, Station Road, Colwyn Bay, LL29 8BP Classification: Hardware <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	729	-	284973 379027
70	<b>Contemporary Trade Directory Entries</b> Name: Vintage Restorations Location: Woodland Garage, 9, Woodland Road West, Colwyn Bay, LL29 7DH Classification: Car Body Repairs <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	755	-	284912 378881

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	<b>Contemporary Trade Directory Entries</b> Name: Colwyn Printing Service Location: Rear of 12, Woodland Road East, Colwyn Bay, LL29 7DT Classification: Printers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	767	-	284924 378877
71	<b>Contemporary Trade Directory Entries</b> Name: Woodcock & Hardwick Location: 2, Sea View Road, Colwyn Bay, Clwyd, LL29 8DG Classification: Furniture Manufacturers - Home & Office <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SE (E)	774	-	285042 379066
72	<b>Contemporary Trade Directory Entries</b> Name: Car Care Location: A, 24, Woodland Road East, Colwyn Bay, Clwyd, LL29 7DT Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	783	-	284894 378816
73	<b>Contemporary Trade Directory Entries</b> Name: Owens Location: 9, Abergele Road, Colwyn Bay, Clwyd, LL29 7RS Classification: Electrical Goods Sales, Manufacturers & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	795	-	284999 378941
74	<b>Contemporary Trade Directory Entries</b> Name: Berry'S Garage Location: Whitehall Road, Rhos on Sea, Colwyn Bay, LL28 4ET Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NW (N)	810	-	284124 380190
75	<b>Contemporary Trade Directory Entries</b> Name: Brighthouse Location: Unit 1-2, Bay View Centre, Sea View Road, Colwyn Bay, LL29 8DG Classification: Electrical Goods Sales, Manufacturers & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	853	-	285112 379029
76	<b>Contemporary Trade Directory Entries</b> Name: Circular Press Location: 36, Sea View Road, Colwyn Bay, Clwyd, LL29 8DG Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	853	-	285072 378949
77	<b>Contemporary Trade Directory Entries</b> Name: Williams Autos Location: York Road, Colwyn Bay, Clwyd, LL29 7EG Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9SW (SE)	855	-	284866 378687
78	<b>Contemporary Trade Directory Entries</b> Name: Rhos Press Location: 1, Claughton Road, Colwyn Bay, Clwyd, LL29 7EF Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	877	-	284962 378750
78	<b>Contemporary Trade Directory Entries</b> Name: Horrocks Shades Ltd Location: 4, Rhiw Road, Colwyn Bay, Clwyd, LL29 7TE Classification: Lampshade Manufacturers & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	911	-	285002 378745
79	<b>Contemporary Trade Directory Entries</b> Name: Arc Communities Ltd Location: Rhiw Road, Colwyn Bay, LL29 7TE Classification: Builders' Tools & Equipment Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	888	-	285017 378800
80	<b>Contemporary Trade Directory Entries</b> Name: Spares & Repairs Location: 22, Abergele Road, Colwyn Bay, Clwyd, LL29 7PA Classification: Domestic Appliances - Servicing, Repairs & Parts <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	927	-	285079 378819

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80	<b>Contemporary Trade Directory Entries</b> Name: Brookprint Location: 26, Abergele Road, Colwyn Bay, Clwyd, LL29 7PA Classification: Copying & Duplicating Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	944	-	285089 378804
81	<b>Contemporary Trade Directory Entries</b> Name: Klick Location: Unit K1, Bay View Centre, Sea View Road, Colwyn Bay, Clwyd, LL29 8DG Classification: Photographic Processors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	930	-	285178 378989
82	<b>Contemporary Trade Directory Entries</b> Name: Irene Miers Clinic Location: 13a, Ael y Bryn Road, Colwyn Bay, LL29 7HD Classification: Electrolysis <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9SW (SE)	934	-	284693 378486
82	<b>Contemporary Trade Directory Entries</b> Name: Damp Serve Location: 1 Ael Y Bryn Road, Forndon, Colwyn Bay, Clwyd, LL29 7HD Classification: Damp & Dry Rot Control <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	938	-	284701 378485
83	<b>Contemporary Trade Directory Entries</b> Name: Rainbow Promotions Location: 45, Abergele Road, Colwyn Bay, Clwyd, LL29 7RU Classification: Copying & Duplicating Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	935	-	285111 378852
84	<b>Contemporary Trade Directory Entries</b> Name: Conway Furniture Reclaim Location: Douglas Road, Colwyn Bay, Clwyd, LL29 7PE Classification: Recycling Centres <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	968	-	285054 378717
84	<b>Contemporary Trade Directory Entries</b> Name: Crest Furniture Reclaim Location: Douglas Road, Colwyn Bay, Clwyd, LL29 7PE Classification: Recycling Services <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	996	-	285074 378698
84	<b>Contemporary Trade Directory Entries</b> Name: E T Davies & Son Location: Douglas Road, Colwyn Bay, Clwyd, LL29 7PE Classification: Builders' Merchants <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	996	-	285075 378699
85	<b>Contemporary Trade Directory Entries</b> Name: Damp Aid Location: 1, Ael y Bryn Road, Colwyn Bay, Clwyd, LL29 7HD Classification: Damp & Dry Rot Control <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9SW (SE)	979	-	284760 378468
85	<b>Contemporary Trade Directory Entries</b> Name: Damp Aid Location: 1, Ael y Bryn Road, Colwyn Bay, LL29 7HD Classification: Damp & Dry Rot Control <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9SW (SE)	979	-	284760 378468
86	<b>Contemporary Trade Directory Entries</b> Name: Meant To Be Shabby Chic Location: 10 Bay View Road, Colwyn Bay, Clwyd, LL29 8DW Classification: Furniture - Repairing & Restoring <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	980	-	285166 378858
87	<b>Contemporary Trade Directory Entries</b> Name: D M'S Private Hire Location: 37, York Road, Colwyn Bay, Clwyd, LL29 7EY Classification: Chemical Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9SW (SE)	985	-	284852 378514

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	<b>Fuel Station Entries</b> Name: Mfg Princes Drive Location: Princes Drive , , Colwyn Bay, Conwy, LL29 8PL Brand: Texaco Premises Type: Petrol Station <b>Status: Open</b> Positional Accuracy: Automatically positioned to the address	A14SW (E)	444	-	284768 379299
89	<b>Points of Interest - Commercial Services</b> Name: Brompton Garage Location: 4 Brompton Avenue, Rhos on Sea, Colwyn Bay, LL28 4TE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	417	6	284007 379700
89	<b>Points of Interest - Commercial Services</b> Name: Brompton Garage Location: Unit 11-12 Rear Of, Brompton Avenue, Rhos on Sea, Colwyn Bay, LL28 4TD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (NW)	424	6	284023 379723
89	<b>Points of Interest - Commercial Services</b> Name: R S E Motorsport Location: 1 Ebberston Court, Ebberston Road East, Rhos on Sea, Colwyn Bay, LL28 4DP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (NW)	493	6	283977 379775
90	<b>Points of Interest - Commercial Services</b> Name: Car Wash Location: Princes Drive, Colwyn Bay, Clwyd, LL29 8PL Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SW (E)	444	6	284768 379299
90	<b>Points of Interest - Commercial Services</b> Name: Mfg Princes Drive Location: Princes Drive, Colwyn Bay, LL29 8PL Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SW (E)	451	6	284775 379298
91	<b>Points of Interest - Commercial Services</b> Name: Gareth Turner Haulage Ltd Location: 28 Yerburch Avenue, Colwyn Bay, LL29 7NB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SE (W)	452	6	283821 379339
92	<b>Points of Interest - Commercial Services</b> Name: J B Monitor Ltd Location: 15 Wynnstey Road, Colwyn Bay, LL29 8NB Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14SW (E)	504	6	284794 379174
92	<b>Points of Interest - Commercial Services</b> Name: J B Monitor Location: 15 Wynnstey Road, Colwyn Bay, LL29 8NB Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14SW (E)	504	6	284794 379174
93	<b>Points of Interest - Commercial Services</b> Name: Vintage Restorations Location: Woodland Road West, Colwyn Bay, LL29 7DH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	738	6	284931 378938
94	<b>Points of Interest - Commercial Services</b> Name: Car Care Location: 24a Woodland Road East, Colwyn Bay, LL29 7DT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	773	6	284880 378814

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	<b>Points of Interest - Commercial Services</b> Name: Car Care Location: A 24 Woodland Road East, Colwyn Bay, LL29 7DT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	783	6	284894 378816
95	<b>Points of Interest - Commercial Services</b> Name: Berrys Garage Location: Everard Rd, Rhos On Sea, Colwyn Bay, Clwyd, LL28 4HA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	809	6	284124 380189
95	<b>Points of Interest - Commercial Services</b> Name: Berry's Garage Location: Whitehall Road, Rhos-on-Sea, LL28 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	810	6	284124 380190
96	<b>Points of Interest - Commercial Services</b> Name: The Italian Job Location: 6 Sea View Road, Colwyn Bay, LL29 8DG Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SE (SE)	815	6	285072 379032
97	<b>Points of Interest - Commercial Services</b> Name: Williams Autos Location: 22 York Road, Colwyn Bay, LL29 7EG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	865	6	284877 378683
97	<b>Points of Interest - Commercial Services</b> Name: Williams Autos Location: 22 York Road, Colwyn Bay, LL29 7EG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	866	6	284877 378683
98	<b>Points of Interest - Commercial Services</b> Name: Car Clean Solutions Location: 3-5 Bay View Road, Colwyn Bay, LL29 8DW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A9NE (SE)	929	6	285122 378884
99	<b>Points of Interest - Commercial Services</b> Name: Crest Furniture Reclaim Location: Douglas Road, Colwyn Bay, LL29 7PE Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A9NE (SE)	996	6	285074 378698
100	<b>Points of Interest - Education and Health</b> Name: Como Nursing & Residential Location: 13-17 Kenelm Road, Rhos on Sea, Colwyn Bay, LL28 4EE Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A18SW (N)	435	6	284165 379814
101	<b>Points of Interest - Education and Health</b> Name: North Wales Adolescent Service Location: 65 Victoria Park, Colwyn Bay, LL29 7AJ Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12SE (W)	480	6	283825 379188
102	<b>Points of Interest - Manufacturing and Production</b> Name: Commodore Business Centre Location: LL29 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	468	6	284700 379077
103	<b>Points of Interest - Manufacturing and Production</b> Name: Sage Location: 17 Penrhyn Road, Colwyn Bay, LL29 8LG Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14SW (SE)	649	6	284911 379081

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: LL29 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	756	6	284915 378883
104	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: LL29 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	766	6	284924 378878
105	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: LL29 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	883	6	284963 378743
106	<b>Points of Interest - Public Infrastructure</b> Name: Shell UK Location: Princes Drive, Colwyn Bay, LL29 8PL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (E)	444	6	284768 379299
106	<b>Points of Interest - Public Infrastructure</b> Name: Texaco Location: Princes Drive, Colwyn Bay, LL29 8PL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (E)	444	6	284768 379299
106	<b>Points of Interest - Public Infrastructure</b> Name: Princes Drive Service Station Location: Princes Drive, Colwyn Bay, LL29 8HT Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (E)	444	6	284768 379299
106	<b>Points of Interest - Public Infrastructure</b> Name: Princes Drive Service Station Location: Princes Drive, Colwyn Bay, LL29 8HT Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (E)	444	6	284768 379299
106	<b>Points of Interest - Public Infrastructure</b> Name: Princes Drive Service Station Location: Princes, Drive, Colwyn Bay, LL29 8PL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (E)	444	6	284768 379299
107	<b>Points of Interest - Public Infrastructure</b> Name: Manor Service Station Location: 4 Conway Road, Colwyn Bay, LL29 7HS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NW (SE)	717	6	284937 378989
108	<b>Points of Interest - Public Infrastructure</b> Name: Colwyn Bay Rail Station Location: Promenade, LL29 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A14SE (E)	789	6	285088 379152
108	<b>Points of Interest - Public Infrastructure</b> Name: Colwyn Bay Station Location: Promenade, LL29 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A14SE (E)	789	6	285088 379152
109	<b>Points of Interest - Public Infrastructure</b> Name: Colwyn Bay Police Station - Public Counter Services Location: 11 Rhiw Road, Colwyn Bay, LL29 Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A9NE (SE)	928	6	285056 378785

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	<b>Points of Interest - Public Infrastructure</b> Name: Conway Furniture Reclaim Location: Douglas Road, Colwyn Bay, LL29 7PE Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A9NE (SE)	968	6	285054 378717
110	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Upper Promenade, LL28 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	179	6	284382 379554

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	<b>Ancient Woodland</b> Name: Not Supplied Reference: 34791 Area(m <sup>2</sup> ): 3323.53 Type: Ancient and Semi-Natural Woodland	A13NE (NE)	184	3	284454 379508
112	<b>Ancient Woodland</b> Name: Not Supplied Reference: 36735 Area(m <sup>2</sup> ): 4626.4 Type: Restored Ancient Woodland Site	A8NW (S)	574	3	284164 378783
113	<b>Ancient Woodland</b> Name: Not Supplied Reference: 36736 Area(m <sup>2</sup> ): 12098.41 Type: Restored Ancient Woodland Site	A7NE (SW)	615	3	283922 378856
114	<b>Ancient Woodland</b> Name: Not Supplied Reference: 36733 Area(m <sup>2</sup> ): 10342.76 Type: Restored Ancient Woodland Site	A8NW (S)	644	3	284146 378715
115	<b>Ancient Woodland</b> Name: Not Supplied Reference: 29654 Area(m <sup>2</sup> ): 111064.27 Type: Restored Ancient Woodland Site	A8NW (S)	647	3	284145 378712
116	<b>Ancient Woodland</b> Name: Not Supplied Reference: 36737 Area(m <sup>2</sup> ): 17648.73 Type: Restored Ancient Woodland Site	A7NE (SW)	657	3	283823 378881
117	<b>Ancient Woodland</b> Name: Not Supplied Reference: 36734 Area(m <sup>2</sup> ): 1141.88 Type: Restored Ancient Woodland Site	A8NW (S)	678	3	284033 378719
118	<b>Ancient Woodland</b> Name: Not Supplied Reference: 29655 Area(m <sup>2</sup> ): 46632.83 Type: Restored Ancient Woodland Site	A8NW (S)	680	3	284036 378716
119	<b>Ancient Woodland</b> Name: Not Supplied Reference: 34790 Area(m <sup>2</sup> ): 29394.47 Type: Ancient and Semi-Natural Woodland	A12SW (W)	794	3	283480 379318
120	<b>Ancient Woodland</b> Name: Not Supplied Reference: 34792 Area(m <sup>2</sup> ): 12611.12 Type: Ancient and Semi-Natural Woodland	A12NW (W)	795	3	283521 379619
121	<b>Ancient Woodland</b> Name: Not Supplied Reference: 36731 Area(m <sup>2</sup> ): 11572.14 Type: Restored Ancient Woodland Site	A8SW (S)	884	3	284084 378484
122	<b>Ancient Woodland</b> Name: Not Supplied Reference: 28374 Area(m <sup>2</sup> ): 39594.72 Type: Ancient and Semi-Natural Woodland	A12NW (W)	890	3	283395 379509
123	<b>Ancient Woodland</b> Name: Not Supplied Reference: 26525 Area(m <sup>2</sup> ): 87789.16 Type: Ancient and Semi-Natural Woodland	A12NW (W)	931	3	283389 379652
124	<b>Local Nature Reserves</b> Name: Pwlycrochan Woods Multiple Area: Y Area (m2): 115218.98 Source: Conwy County Borough Council Designation Date: 31st December 2000	A8NW (S)	644	7	284146 378715

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	<b>Local Nature Reserves</b> Name: Pwllcrochan Woods Multiple Area: Y Area (m2): 49359.88 Source: Conwy County Borough Council Designation Date: 31st December 2000	A8NW (S)	678	7	284033 378719
126	<b>Local Nature Reserves</b> Name: Bryn Euryn Multiple Area: N Area (m2): 243001.56 Source: Conwy County Borough Council Designation Date: 31st December 1999	A12NW (W)	936	7	283375 379626
127	<b>Special Protection Areas</b> Name: Liverpool Bay / Bae Lerpwl (Wales) Multiple Areas: N Total Area (m2): 786840845.92 Source: Natural Resources Wales Reference: UK9020294 Designation Date: 31st October 2017	A19SW (NE)	635	3	284839 379751
128	<b>Special Protection Areas</b> Name: Liverpool Bay Multiple Areas: N Total Area (m2): 2527577344.19 Source: Natural England Reference: UK9020294 Designation Date: Not Supplied	A19SW (NE)	635	8	284839 379751

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Conwy County Borough Council - Environmental Health Department Natural Resources Wales	August 2013 June 2020	Annual Rolling Update Annually
<b>Discharge Consents</b> Environment Agency - Welsh Region Natural Resources Wales	August 2014 July 2022	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Welsh Region	March 2013	
<b>Integrated Pollution Controls</b> Environment Agency - Welsh Region	January 2009	
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Welsh Region Natural Resources Wales	January 2021 July 2022	Quarterly Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Conwy County Borough Council - Environmental Health Department	January 2015	Variable
<b>Local Authority Pollution Prevention and Controls</b> Conwy County Borough Council - Environmental Health Department	January 2015	Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Conwy County Borough Council - Environmental Health Department	January 2015	Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	August 2022	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Welsh Region	December 1998	
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Welsh Region Natural Resources Wales	July 2015 July 2015	
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	
<b>Registered Radioactive Substances</b> Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	As notified
<b>Substantiated Pollution Incident Register</b> Natural Resources Wales Environment Agency Wales - North Area	August 2022 January 2021	Quarterly Quarterly
<b>Water Abstractions</b> Natural Resources Wales Environment Agency - Welsh Region	July 2022 October 2022	Quarterly Quarterly
<b>Water Industry Act Referrals</b> Natural Resources Wales Environment Agency - Welsh Region	July 2022 October 2017	Quarterly
<b>Groundwater Vulnerability Map</b> Natural Resources Wales	June 2018	As notified
<b>Bedrock Aquifer Designations</b> Natural Resources Wales	January 2018	Annually
<b>Superficial Aquifer Designations</b> Natural Resources Wales	January 2018	Annually
<b>Source Protection Zones</b> Natural Resources Wales	July 2022	Annual Rolling Update
<b>Extreme Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	September 2020	

Agency & Hydrological	Version	Update Cycle
<b>Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	September 2020	
<b>Areas Benefiting from Flood Defences</b> Natural Resources Wales	November 2019	Quarterly
<b>Flood Water Storage Areas</b> Natural Resources Wales	August 2019	Quarterly
<b>Flood Defences</b> Natural Resources Wales	November 2019	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	July 2022	Quarterly
<b>Surface Water 1 in 30 year Flood Extent</b> Natural Resources Wales	May 2018	Annually
<b>Surface Water 1 in 100 year Flood Extent</b> Natural Resources Wales	May 2018	Annually
<b>Surface Water 1 in 1000 year Flood Extent</b> Natural Resources Wales	May 2018	Annually
<b>Surface Water Suitability</b> Natural Resources Wales	February 2016	Annually
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	November 2002	As notified
<b>Historical Landfill Sites</b> Natural Resources Wales	July 2019	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Welsh Region	January 2009	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Natural Resources Wales Environment Agency Wales - North Area	October 2021 October 2022	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency Wales - North Area Natural Resources Wales	July 2021 July 2022	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Conwy County Borough Council - Environmental Health Department	February 2003	Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Conwy County Borough Council - Environmental Health Department	October 2018	
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	
<b>Registered Landfill Sites</b> Environment Agency Wales - North Area	March 2006	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency Wales - North Area	April 2018	
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency Wales - North Area	June 2015	

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	January 2022	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	August 2001	
<b>Planning Hazardous Substance Enforcements</b> Conwy County Borough Council - Planning Department	February 2016	Variable
<b>Planning Hazardous Substance Consents</b> Conwy County Borough Council - Planning Department	February 2016	Variable
Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	As notified
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	December 2015	As notified
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	June 1998	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	October 2022	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	August 2022	Quarterly
<b>Gas Pipelines</b> National Grid	October 2021	Bi-Annually
<b>Points of Interest - Commercial Services</b> PointX	September 2022	Quarterly
<b>Points of Interest - Education and Health</b> PointX	September 2022	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	September 2022	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	September 2022	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	September 2022	Quarterly
<b>Underground Electrical Cables</b> National Grid	May 2021	Bi-Annually

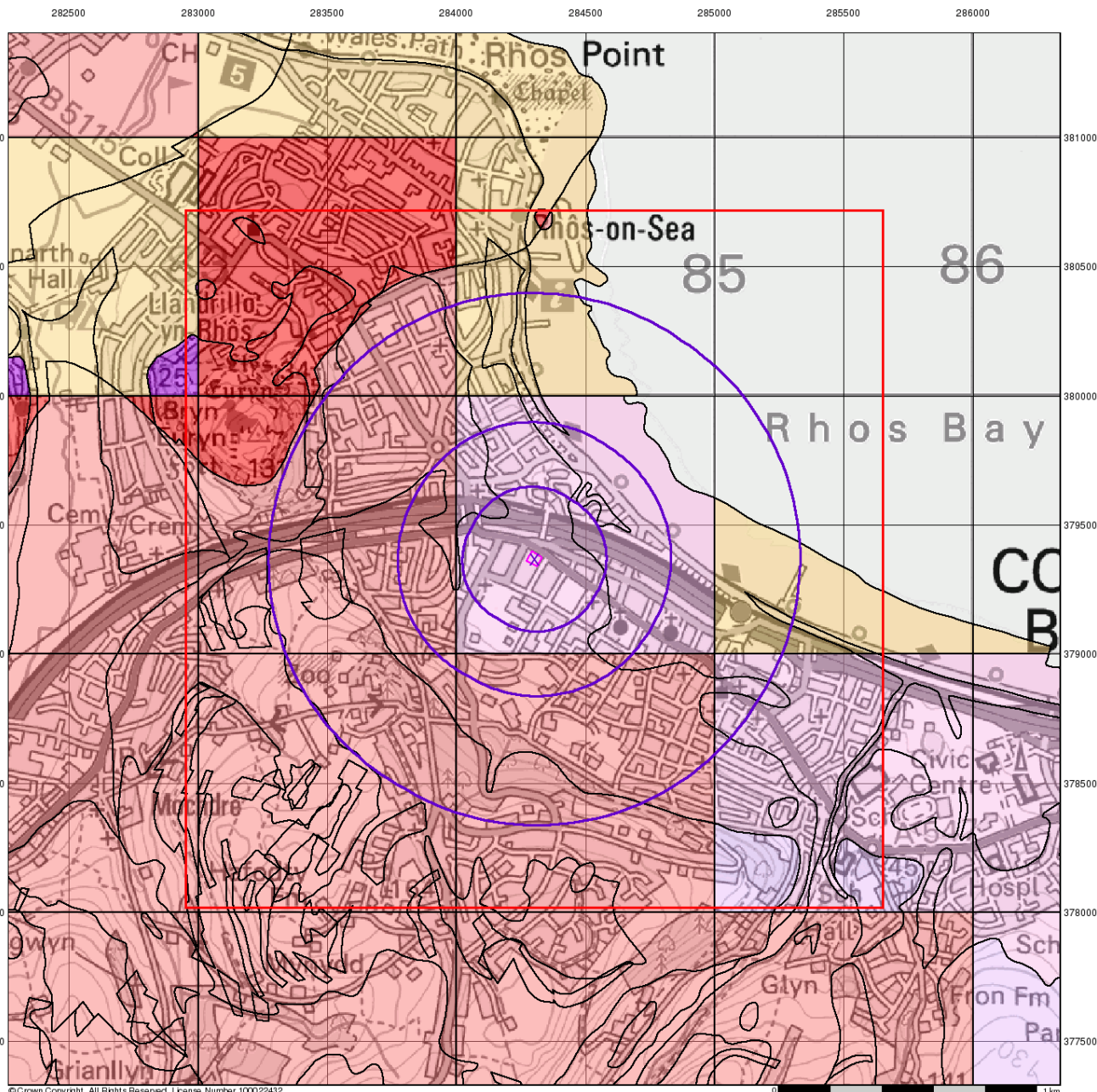
<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Ancient Woodland</b> Natural Resources Wales	September 2018	Bi-Annually
<b>Areas of Adopted Green Belt</b> Conwy County Borough Council	July 2022	Quarterly
<b>Areas of Unadopted Green Belt</b> Conwy County Borough Council	July 2022	Quarterly
<b>Areas of Outstanding Natural Beauty</b> Natural Resources Wales	August 2022	Bi-Annually
<b>Environmentally Sensitive Areas</b> The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Conwy County Borough Council	August 2018	Bi-Annually
<b>Marine Nature Reserves</b> Natural Resources Wales	August 2018	Bi-Annually
<b>National Nature Reserves</b> Natural Resources Wales	February 2022	Bi-Annually
<b>National Parks</b> Natural Resources Wales	February 2018	Annually
<b>Nitrate Vulnerable Zones</b> The National Assembly for Wales - GI Services (Department of Planning & Countryside) Natural Resources Wales	April 2016 July 2019	Bi-Annually
<b>Ramsar Sites</b> Natural Resources Wales	July 2019	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural Resources Wales	March 2020	Bi-Annually
<b>Special Areas of Conservation</b> Natural Resources Wales	August 2020	Bi-Annually
<b>Special Protection Areas</b> Natural Resources Wales Natural England	August 2018 February 2021	Bi-Annually 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	 <b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 <b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Conwy County Borough Council - Environmental Health Department</b> Civic Offices, Colwyn Bay, Gwynedd, LL29 8AR	Telephone: 01492 575187 Fax: 01492 575204 Website: www.conwy.gov.uk
3	<b>Natural Resources Wales</b> Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
4	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
5	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	<b>Conwy County Borough Council</b> Bodloneb, Conwy, Gwynedd, LL32 8DU	Telephone: 01492 574000 Fax: 01492 592114 Website: www.conwy.gov.uk
8	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> 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.



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## Groundwater Vulnerability

### General

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

### Agency and Hydrological

#### Bedrock Aquifers

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

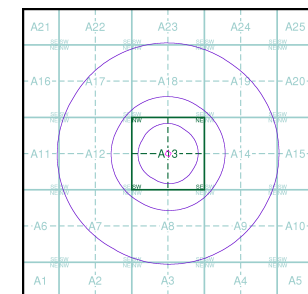
#### Superficial Aquifers

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

Unproductive Aquifer

Soluble Rock

### Site Sensitivity Context Map - Slice A



### Order Details

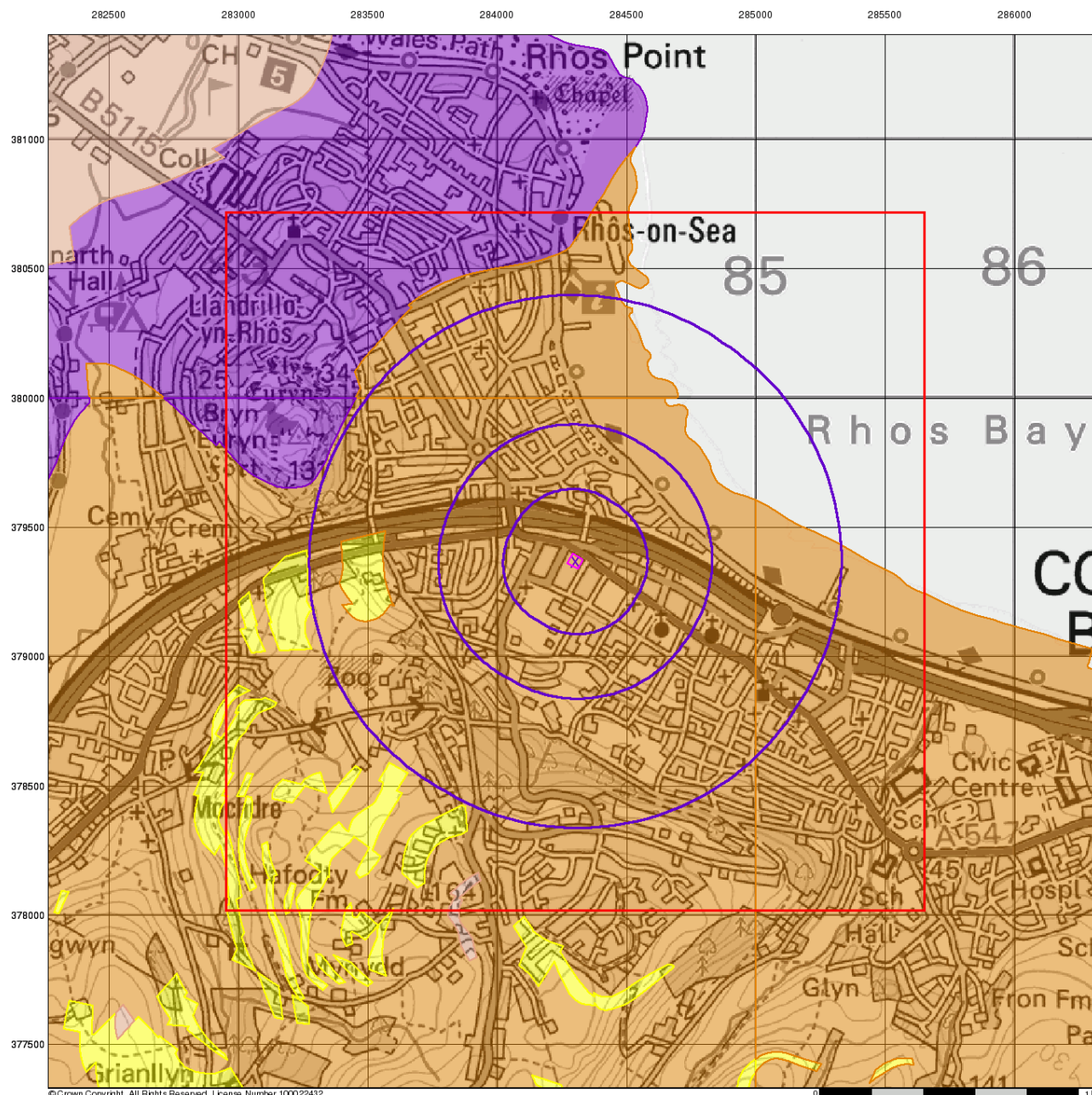
Order Number: 303519721\_1\_1  
 Customer Ref: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN

**Landmark**  
 INFORMATION GROUP

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



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## Bedrock Aquifer Designation

### General

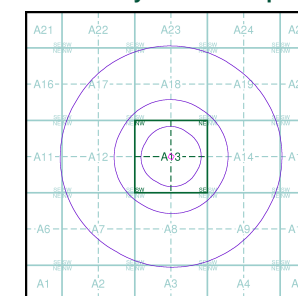
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

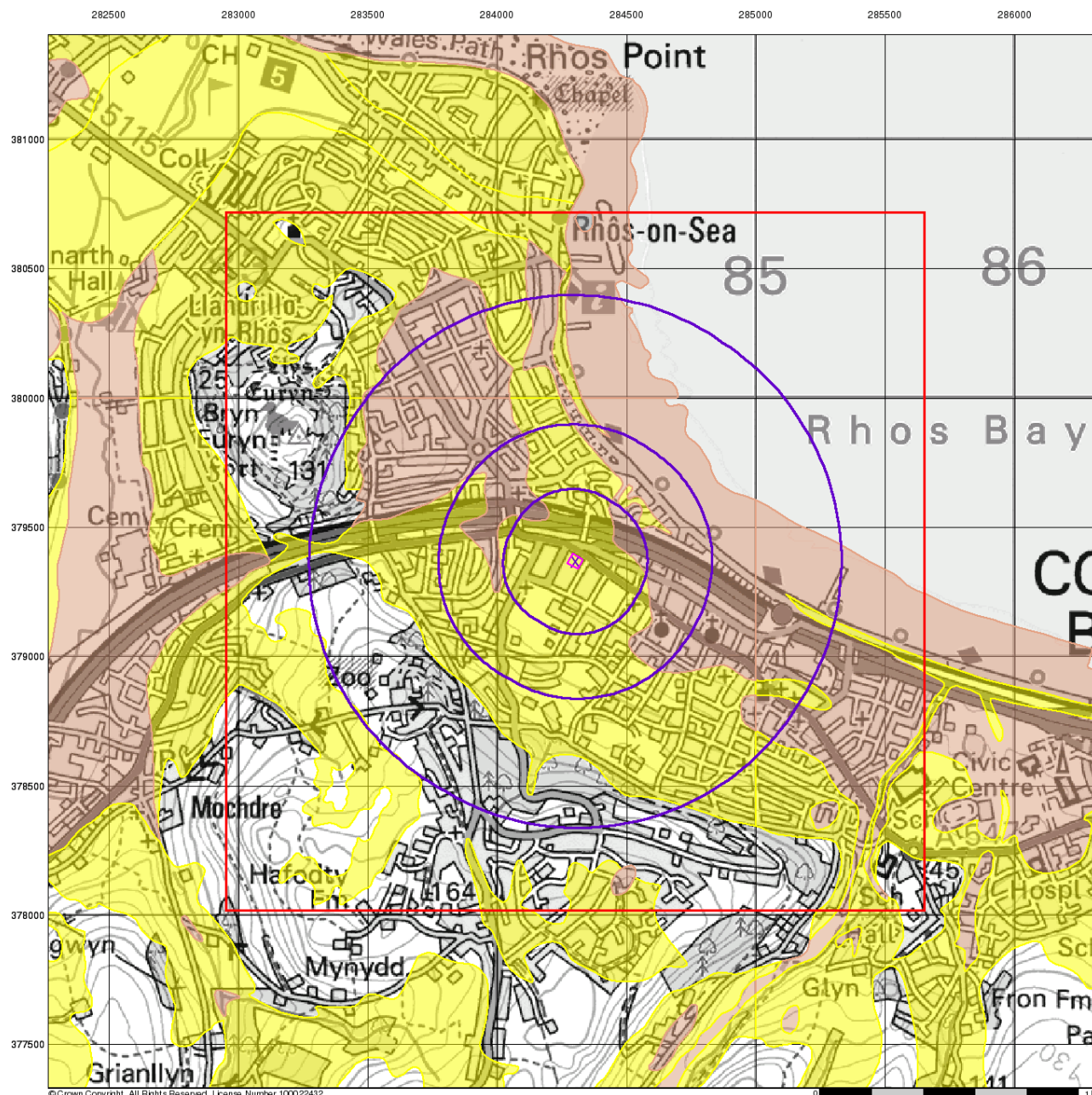
Order Number: 303519721\_1\_1  
 Customer Ref: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

### Site Details

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



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## Superficial Aquifer Designation

### General

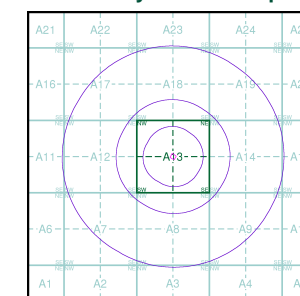
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

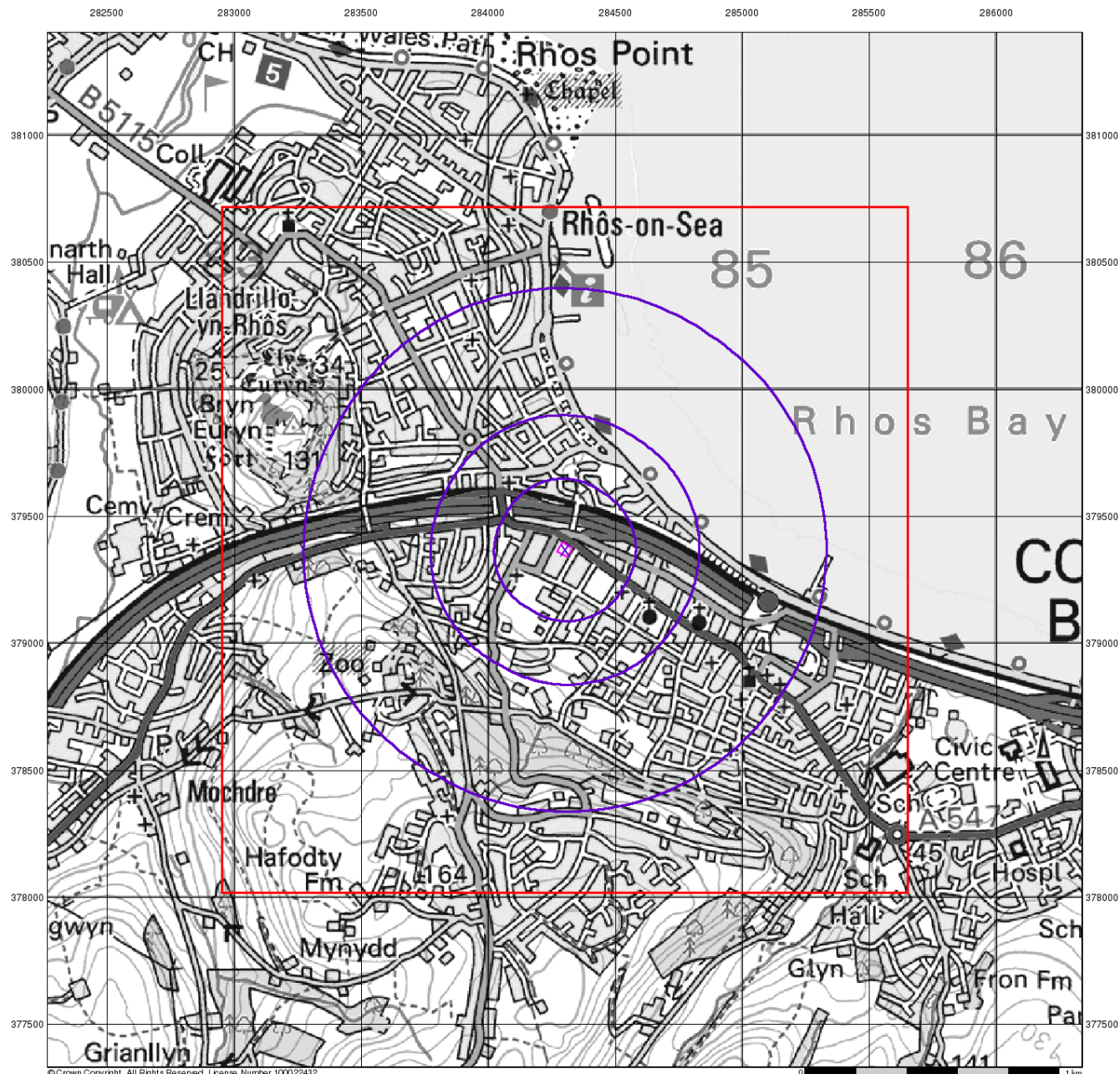
Order Number: 303519721\_1\_1  
 Customer Ref: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN



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



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## Source Protection Zones

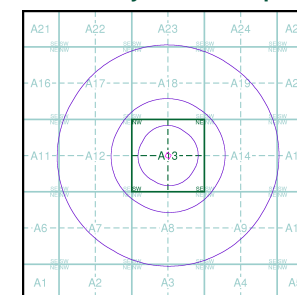
### General

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

### Agency and Hydrological

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

### Site Sensitivity Context Map - Slice A



### Order Details

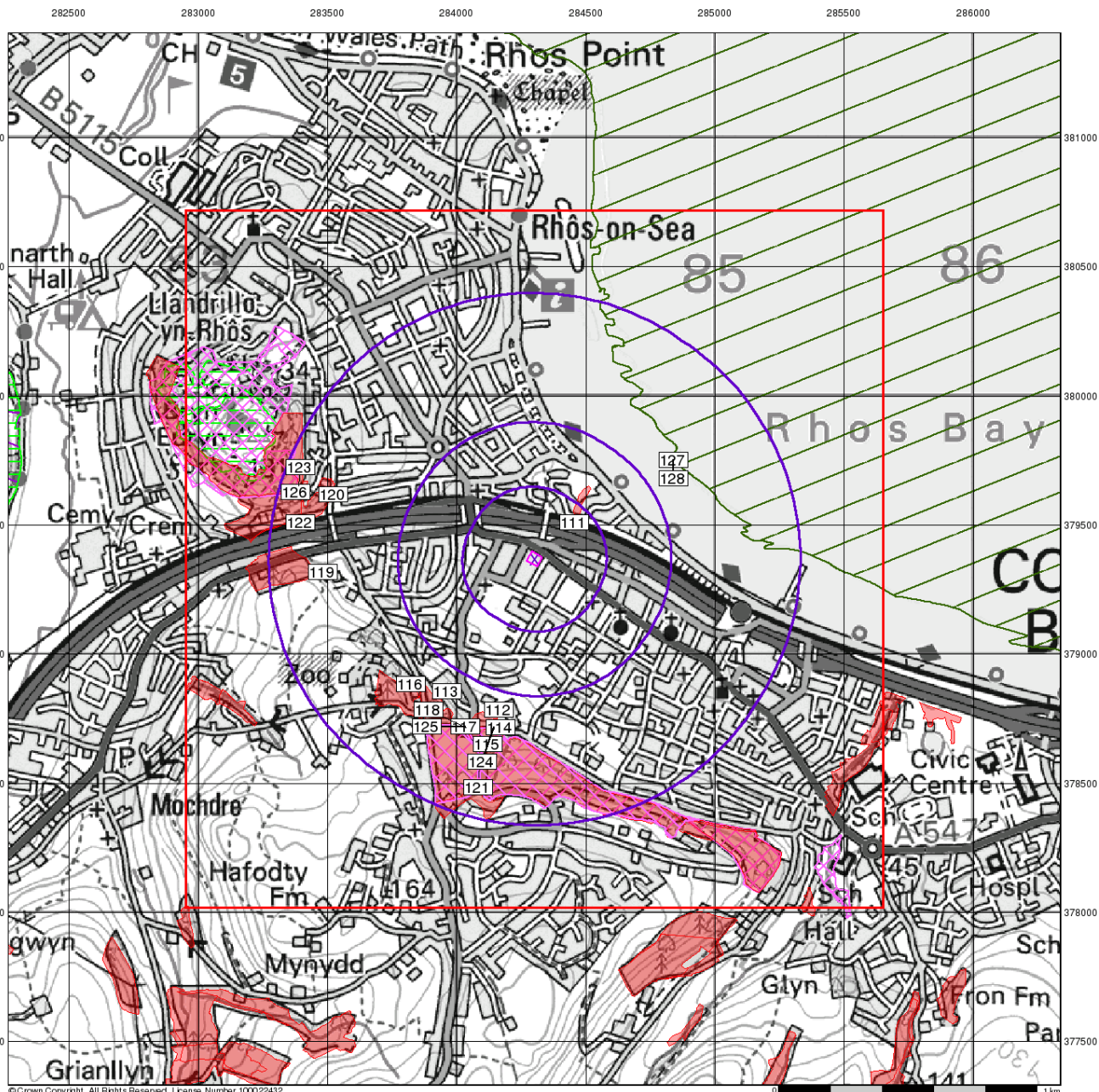
Order Number: 303519721\_1\_1  
 Customer Ref: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN



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 Fax: 0844 844 9951  
 Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)



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## Sensitive Land Uses

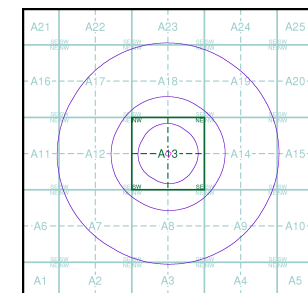
### General

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

### Sensitive Land Uses

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

### Site Sensitivity Context Map - Slice A



### Order Details

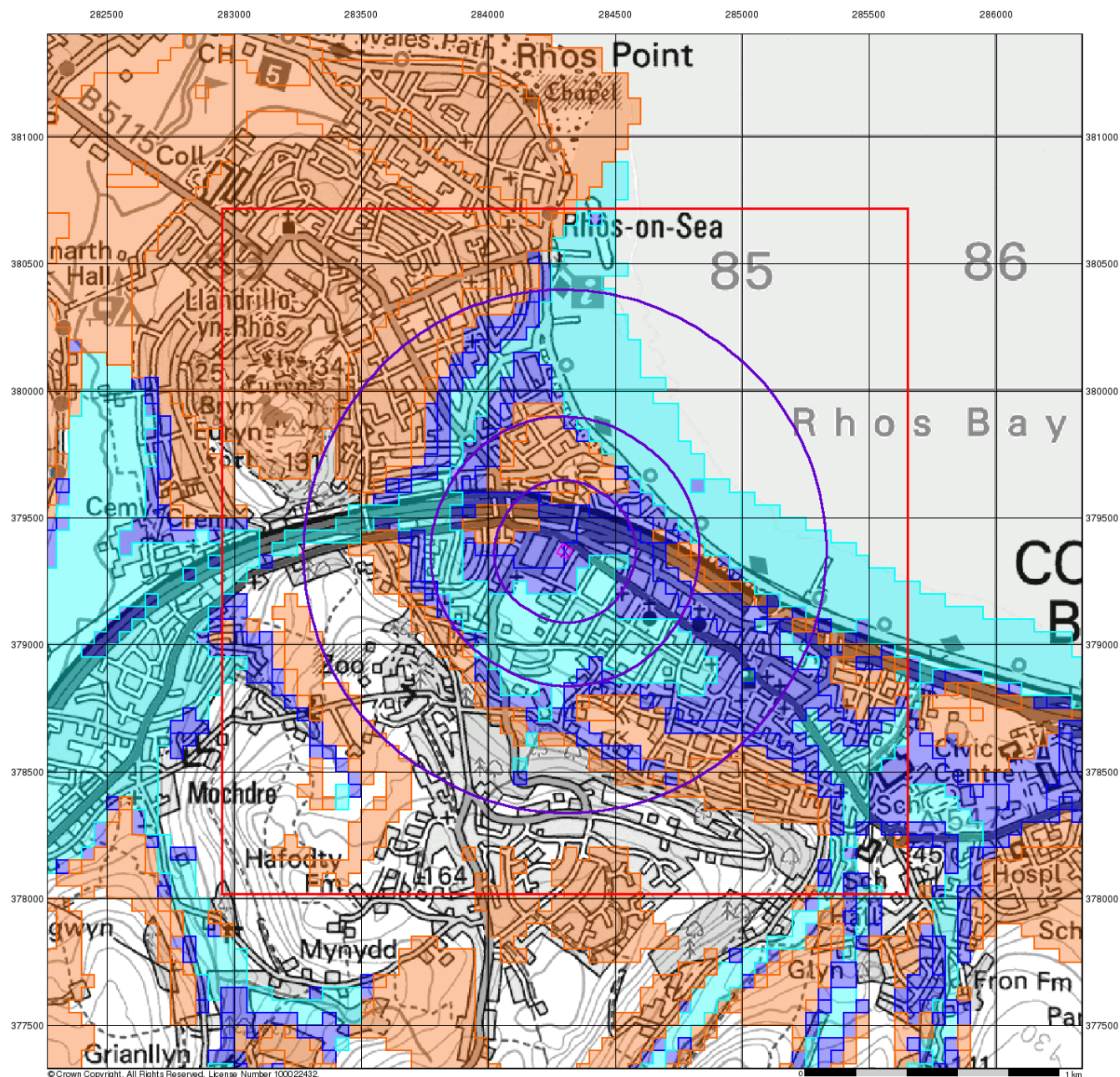
Order Number: 303519721\_1\_1  
 Customer Ref: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN






Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)



### BGS Flood GFS Data

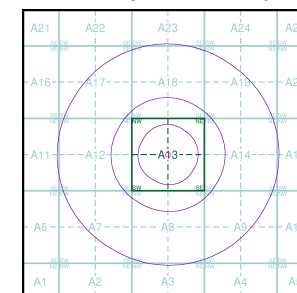
## General

-  Specified Site
  Specified Buffer(s)
  Bearing Reference Point

## Agency and Hydrological (Flood)

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

### Site Sensitivity Context Map - Slice A



## Order Details

Order Number:	303519721_1_1
Customer Ref:	32999LG
National Grid Reference:	284300, 379370
Slice:	A
Site Area (Ha):	0.2
Search Buffer (m):	1000

## Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN

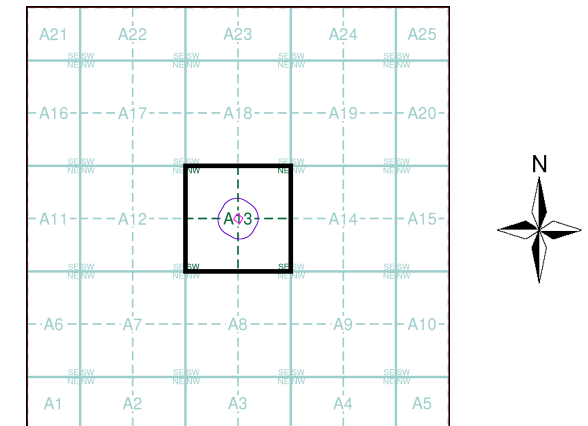
**Landmark®**  
INFORMATION GROUP

Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

## General

- ✱ Specified Site
  - Specified Buffer(s)
  - ✕ Bearing Reference Point
  - Map ID
  - Several of Type at Location
  - Pylon
  - Overhead Transmission Line
- ## 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
- ## Hazardous Substances
- ✱ COMAH Site
  - ✱ Explosive Site
  - ✱ NIHS Site
  - ✱ Planning Hazardous Substance Consent
  - ✱ Planning Hazardous Substance Enforcement
- ## Geological
- ▼ BGS Recorded Mineral Site
- ## Waste
- ▼ BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - EA Historic Landfill (Buffered Point)
  - EA Historic Landfill (Polygon)
  - ▲ Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundary)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Registered Landfill Site
  - Registered Landfill Site (Point Buffered to 100m)
  - Registered Landfill Site (Point Buffered to 250m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Transfer Site
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site

## Site Sensitivity Map - Segment A13

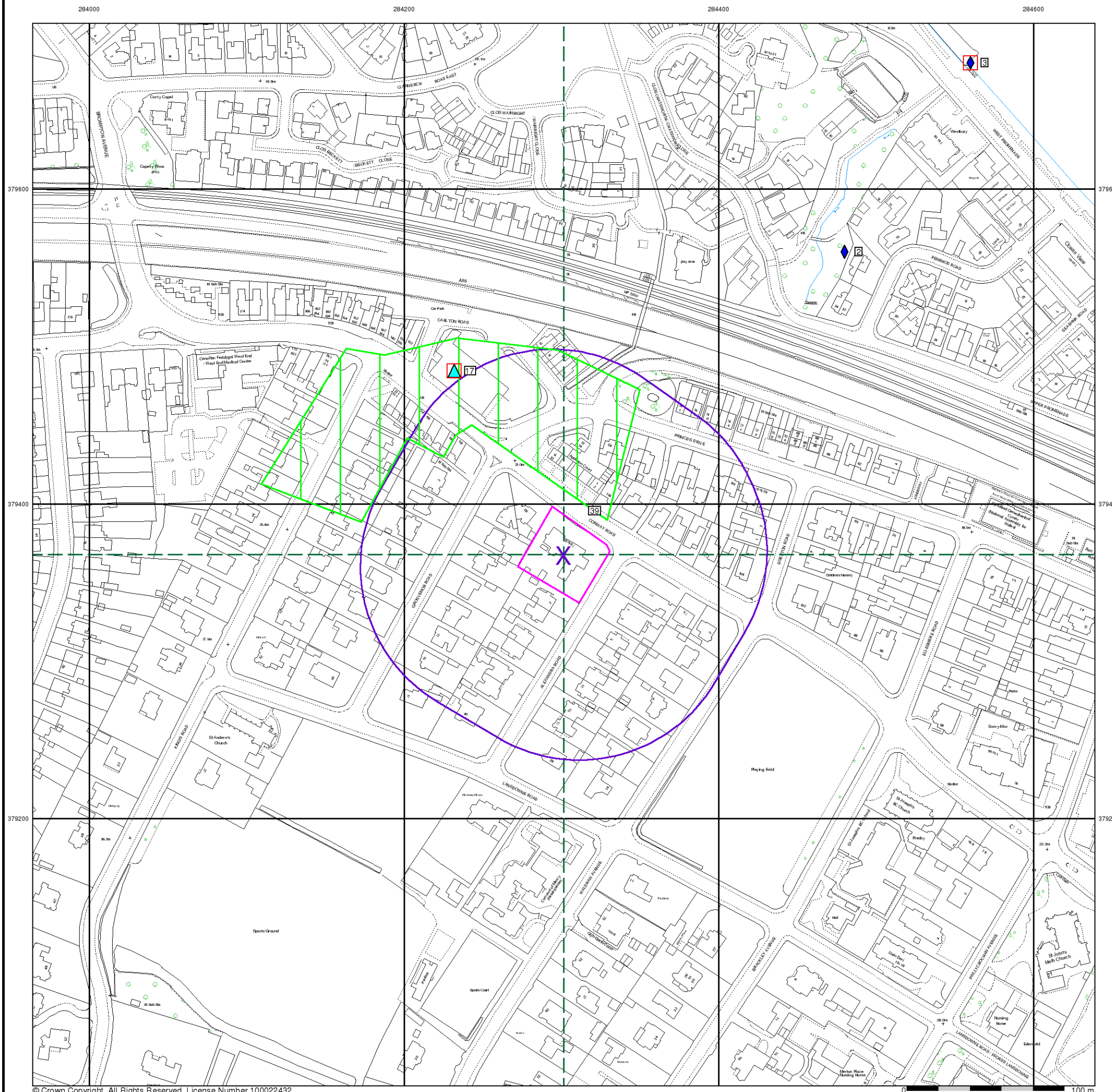


## Order Details

Order Number: 303519721\_1\_1  
 Customer Ref: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Plot Buffer (m): 100

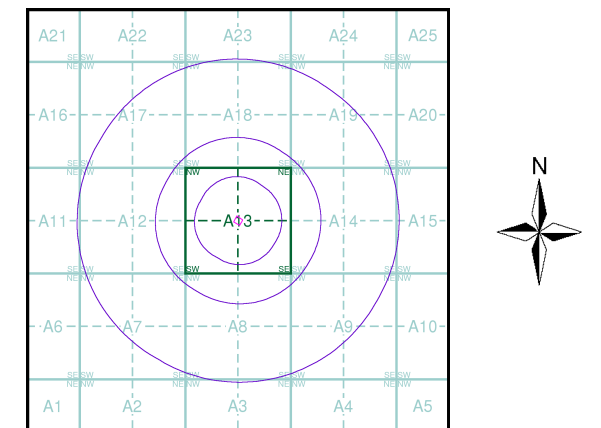
## Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN



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

## Site Sensitivity Map - Slice A

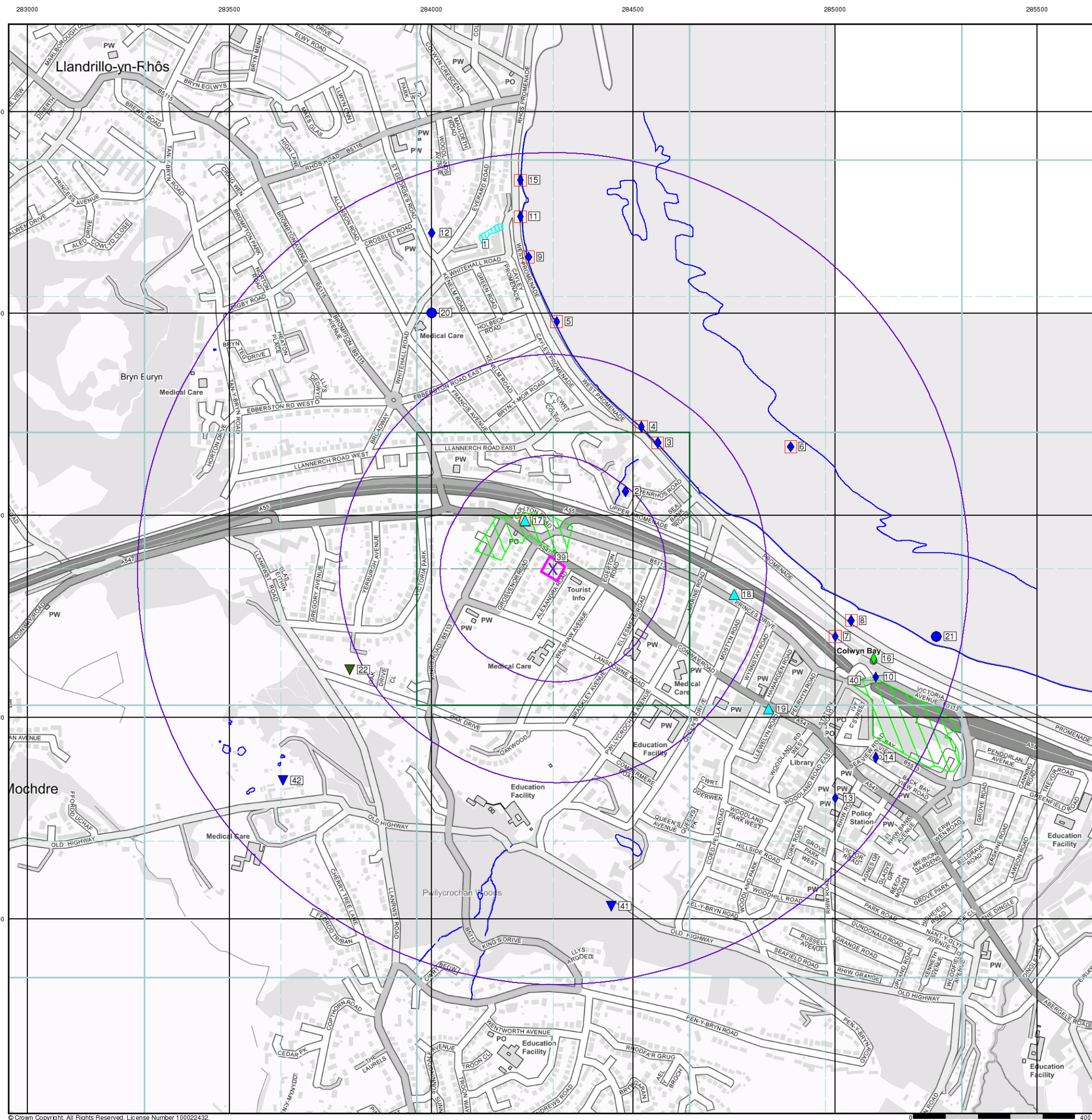


## Order Details

Order Number: 303519721\_1\_1  
 Customer Ref: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000






## Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN









## Industrial Land Use Map

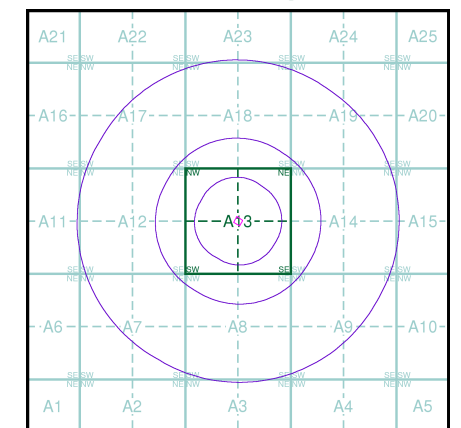
### General

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

### Industrial Land Use

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

## Industrial Land Use Map - Slice A

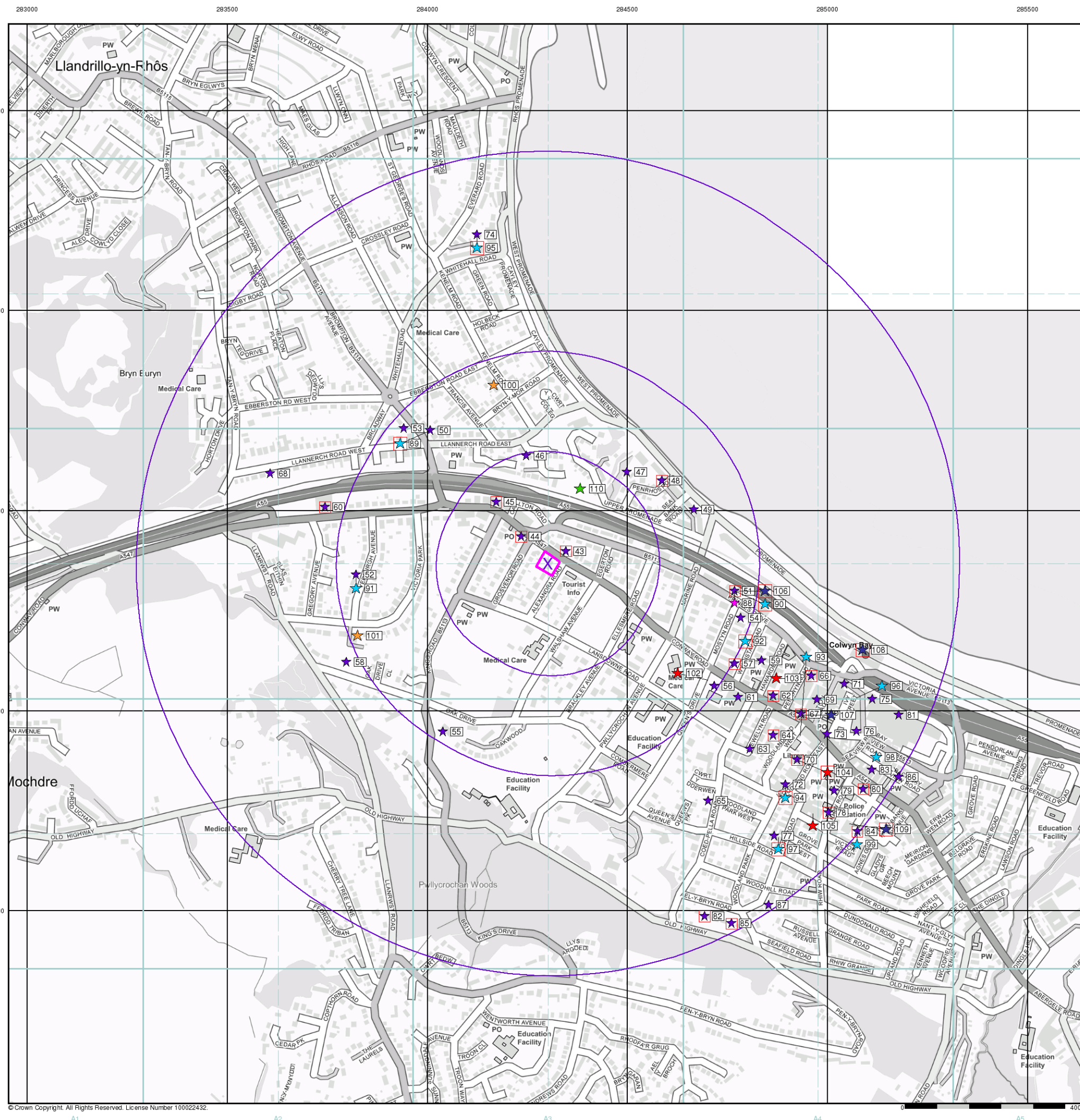


### Order Details




Order Number: 303519721\_1\_1  
 Customer Ref: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

### Site Details






79-81, Conway Road, COLWYN BAY, LL29 7LN



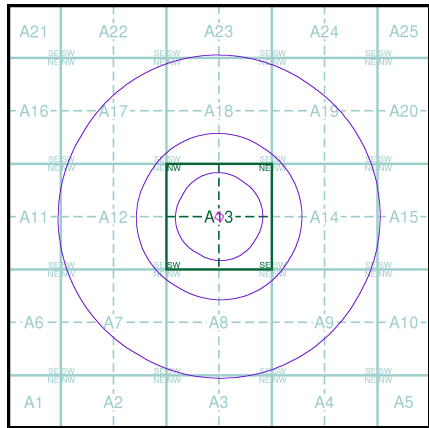
**General**

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

**Agency and Hydrological (Flood)**

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

**Flood Map - Slice A**



**Order Details**

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

**Site Details**

79-81, Conway Road, COLWYN BAY, LL29 7LN

### General

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

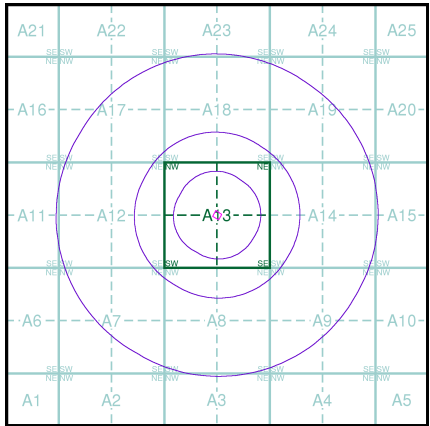
### Agency and Hydrological (Boreholes)

- 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](http://www.envirocheck.co.uk).

### Borehole Map - Slice A



### Order Details

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN

### General

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

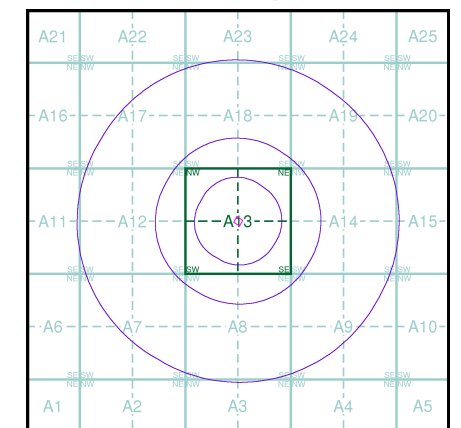
### OS Water Network Data

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

### Contours (height in meters)

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

### OS Water Network Map - Slice A

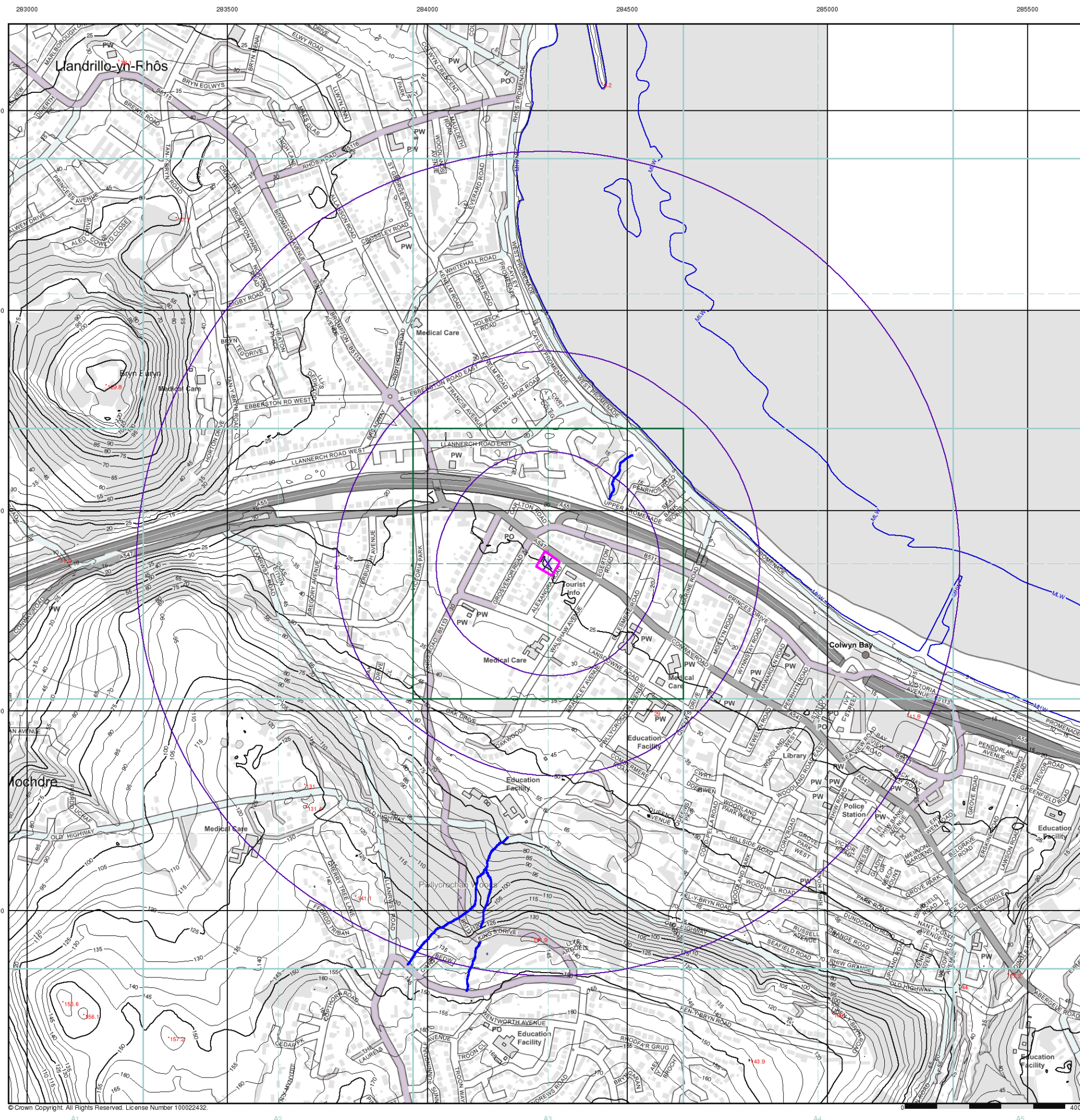


### Order Details

Order Number: 303519721\_1\_1  
 Customer Ref: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN



### General

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

### Risk of Flooding from Surface Water

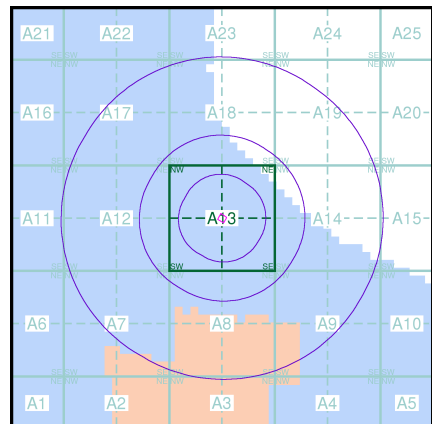
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

### 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: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

### Site Details

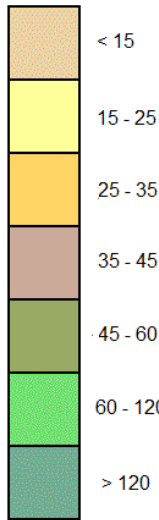
79-81, Conway Road, COLWYN BAY, LL29 7LN

**General**

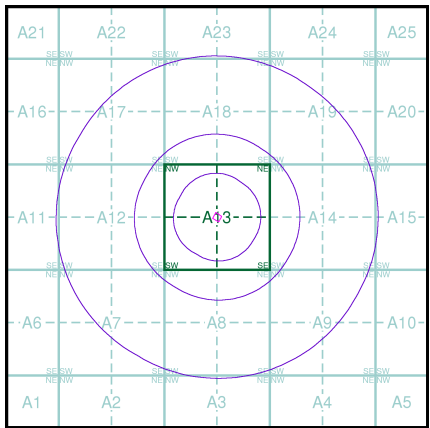
 Specified Site  Specified Buffer(s)  Bearing Reference Point

**Estimated Soil Chemistry Arsenic**

Arsenic Concentrations mg/kg



**Estimated Soil Chemistry Arsenic - Slice A**

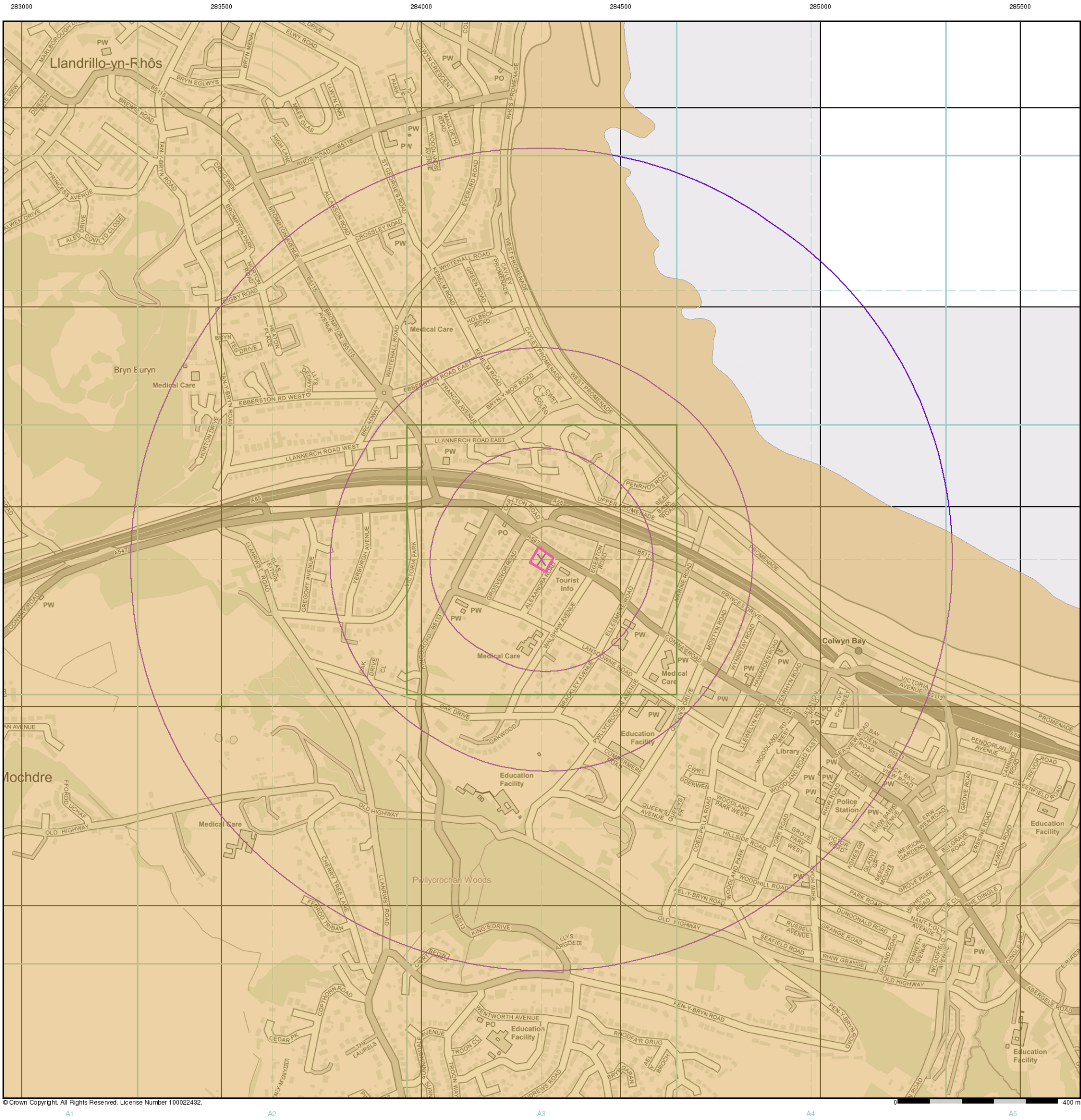


**Order Details**




Order Details: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

**Site Details**

79-81, Conway Road, COLWYN BAY, LL29 7LN

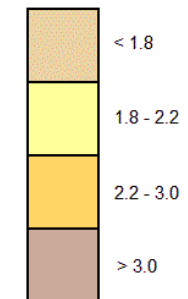


### General

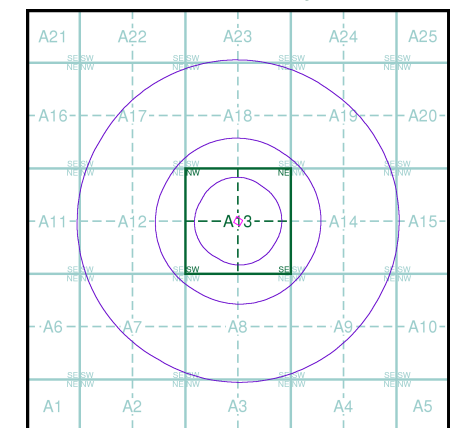
 Specified Site  Specified Buffer(s)  Bearing Reference Point

### Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



### Estimated Soil Chemistry Cadmium - Slice A

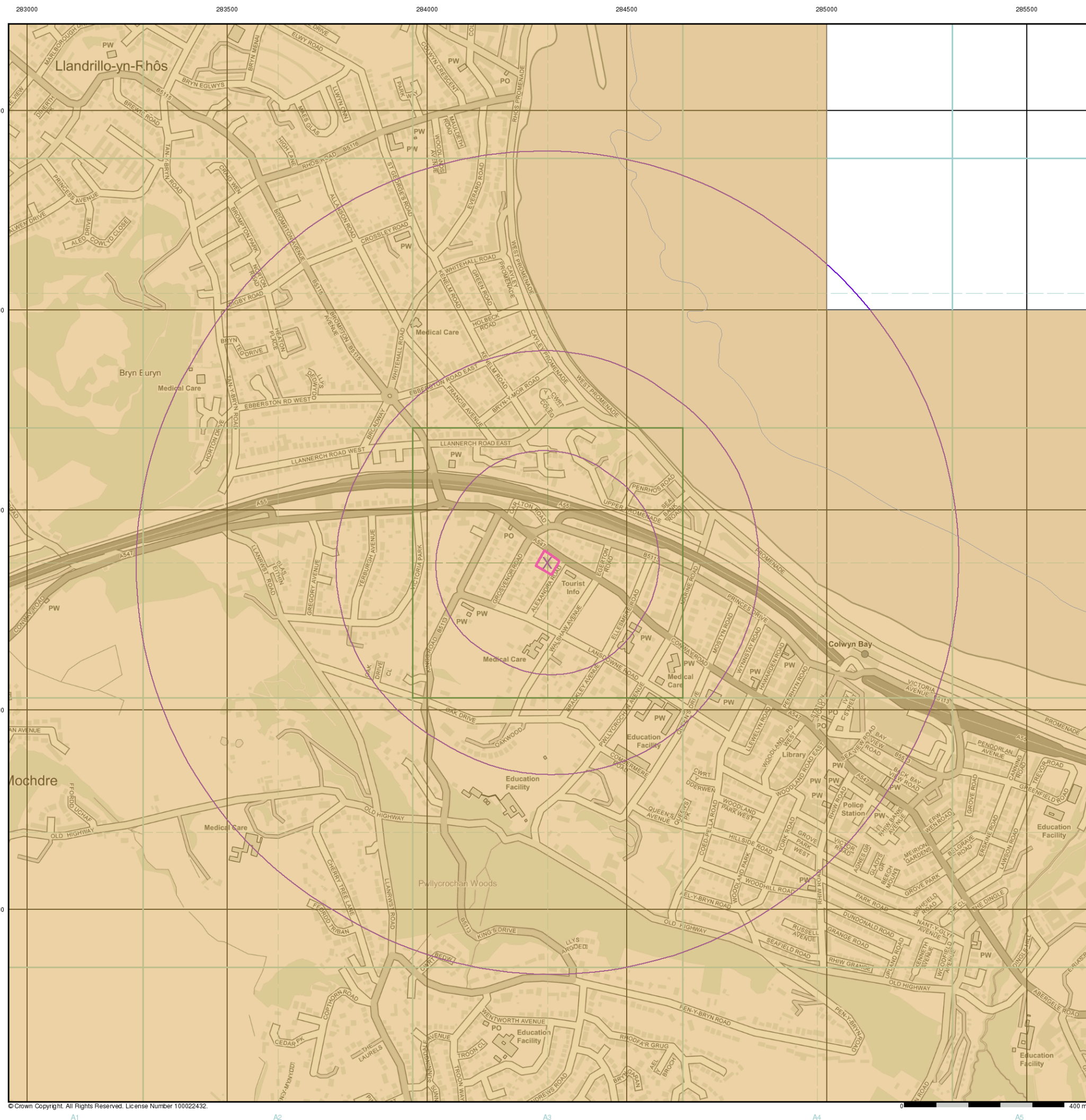


### Order Details

Order Details: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN

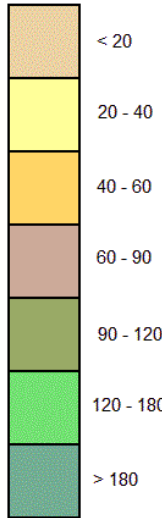


**General**

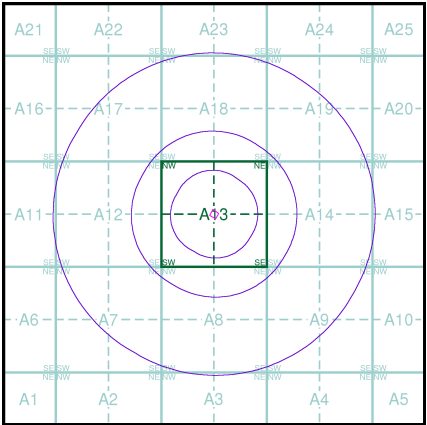
 Specified Site  Specified Buffer(s)  Bearing Reference Point

**Estimated Soil Chemistry Chromium**

Chromium Concentrations mg/kg



**Estimated Soil Chemistry Chromium - Slice A**



**Order Details**




Order Details: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

**Site Details**

79-81, Conway Road, COLWYN BAY, LL29 7LN

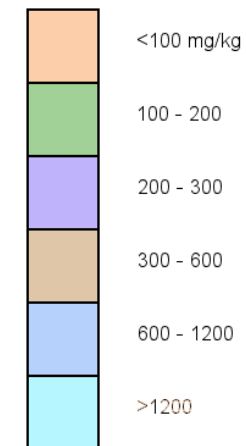


## General

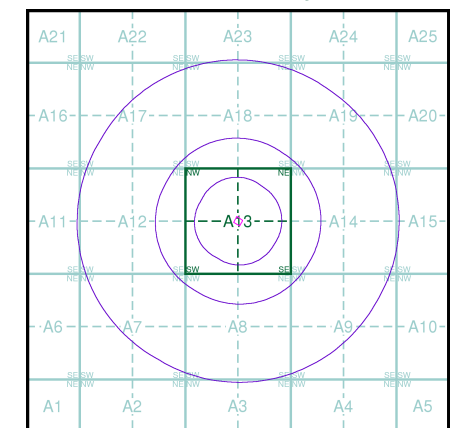
 Specified Site  Specified Buffer(s)  Bearing Reference Point

## Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



## Estimated Soil Chemistry Lead - Slice A



## Order Details

Order Details: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

## Site Details

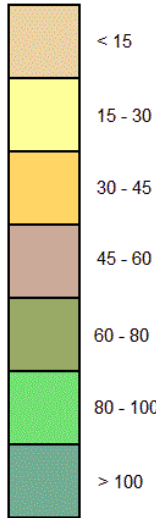
79-81, Conway Road, COLWYN BAY, LL29 7LN

**General**

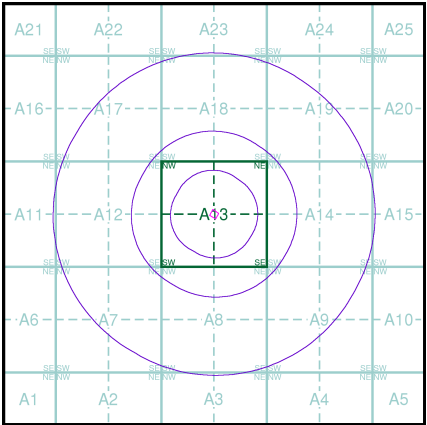
 Specified Site  Specified Buffer(s)  Bearing Reference Point

**Estimated Soil Chemistry Nickel**

Nickel Concentrations mg/kg



**Estimated Soil Chemistry Nickel - Slice A**

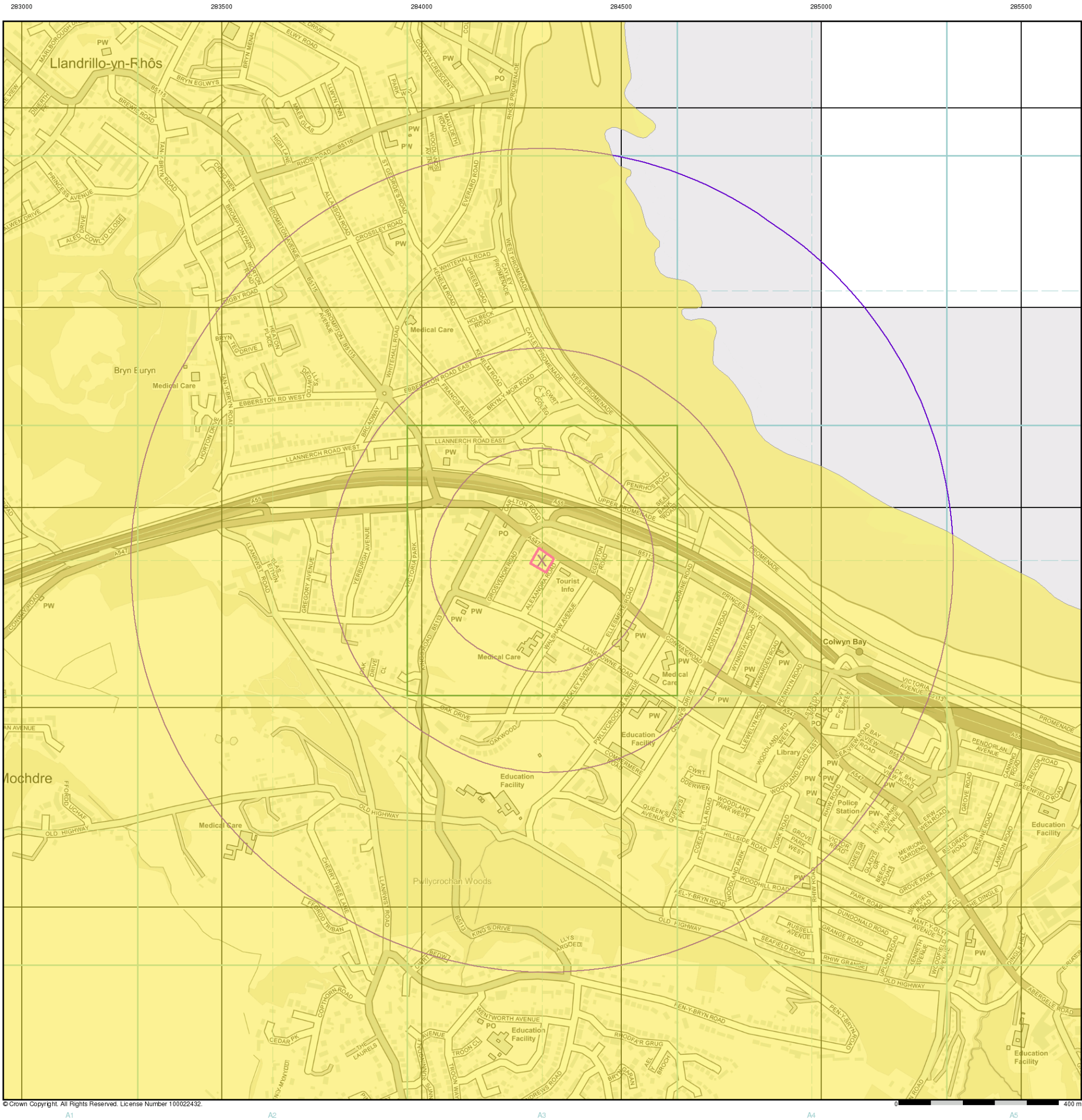


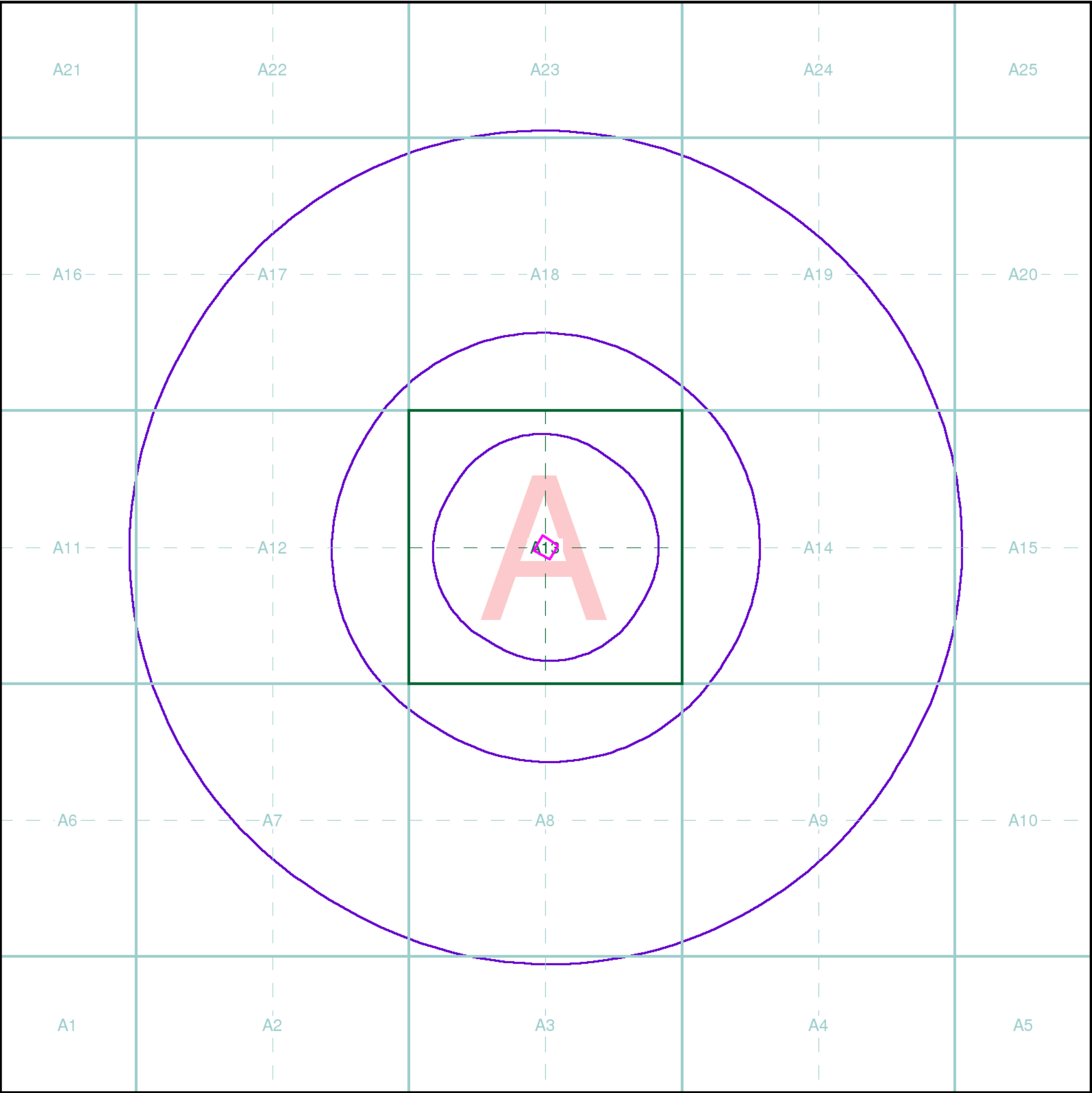
**Order Details**

Order Details: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

**Site Details**

79-81, Conway Road, COLWYN BAY, LL29 7LN





Index Map

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

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

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

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

MR W Baldwin, Sutcliffe Projects Ltd, 18-20 Harrington Street, Liverpool, L2 9QA

Order Details

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN








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<http://www.landmarkinfo.co.uk/Terms/Show/515>









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## Geology 1:50,000 Maps Legends

### Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	TFD	Tidal Flat Deposits	Clay, Silt and Sand	Not Supplied - Holocene
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	MBD	Marine Beach Deposits	Sand	Not Supplied - Quaternary
	SUF	Submerged Forest	Peat	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

### Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	GPS	Gloddaeth Purple Sandstone Formation	Sandstone	Not Supplied - Westphalian
	CLWYD	Clwyd Limestone Group	Limestone	Not Supplied - Visean
	EY	Elwy Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Ludlow
	EY	Elwy Formation	Slumped Mudstone, Slumped Siltstone and Slumped Sandstone	Not Supplied - Ludlow
	EY	Elwy Formation	Sandstone	Not Supplied - Ludlow
		Faults		



### Geology 1:50,000 Maps

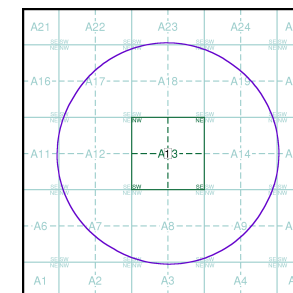
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	095
Map Name:	Rhyl
Map Date:	1970
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

### Geology 1:50,000 Maps - Slice A



### Order Details:

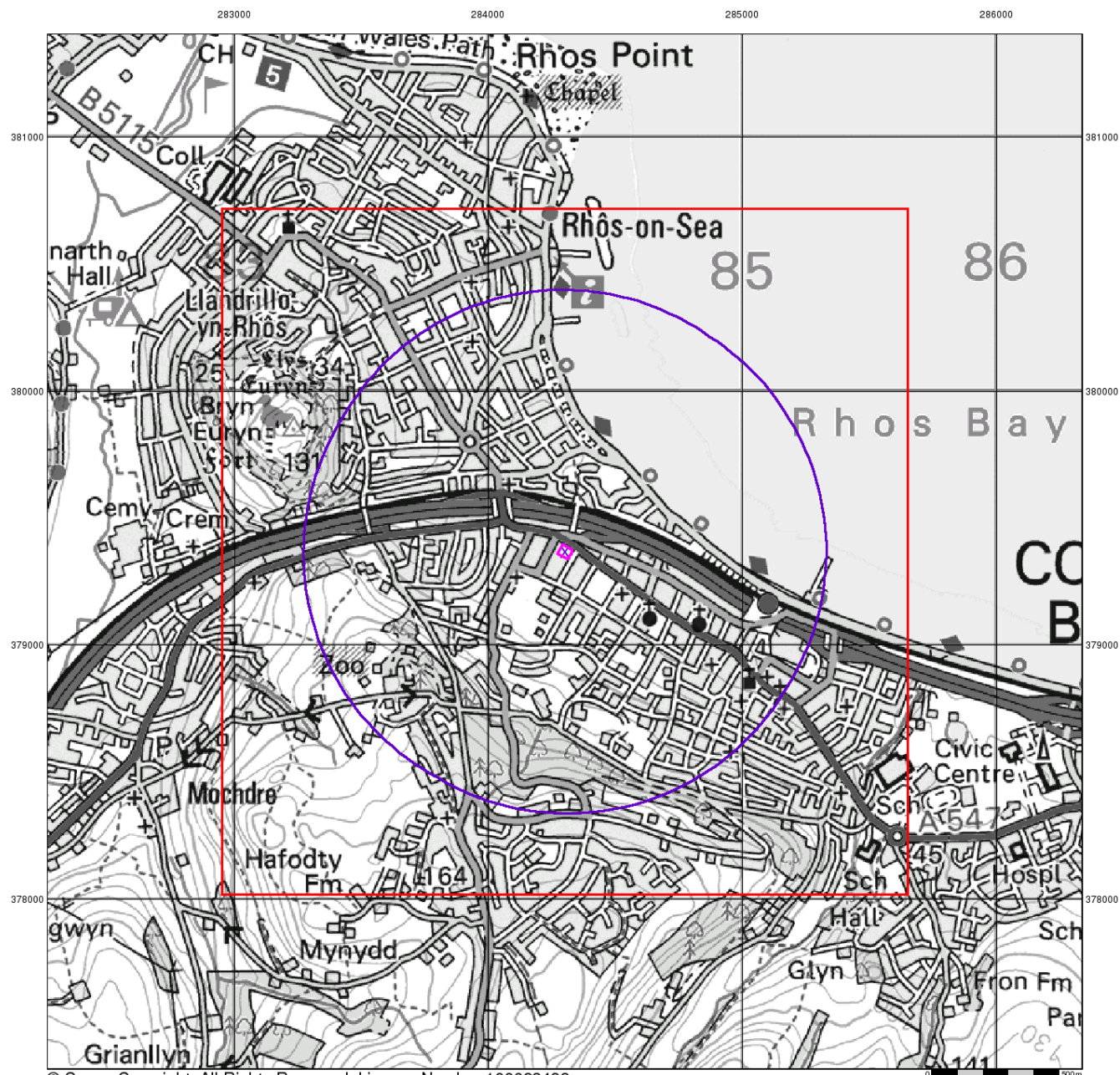
Order Number:	303519721_1_1
Customer Reference:	32999LG
National Grid Reference:	284300, 379370
Slice:	A
Site Area (Ha):	0.2
Search Buffer (m):	1000

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### Artificial Ground and Landslip

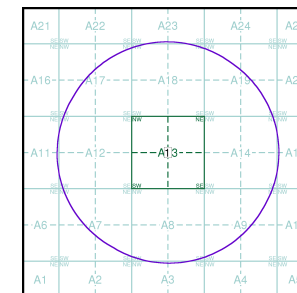
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

### Artificial Ground and Landslip Map - Slice A



### Order Details:

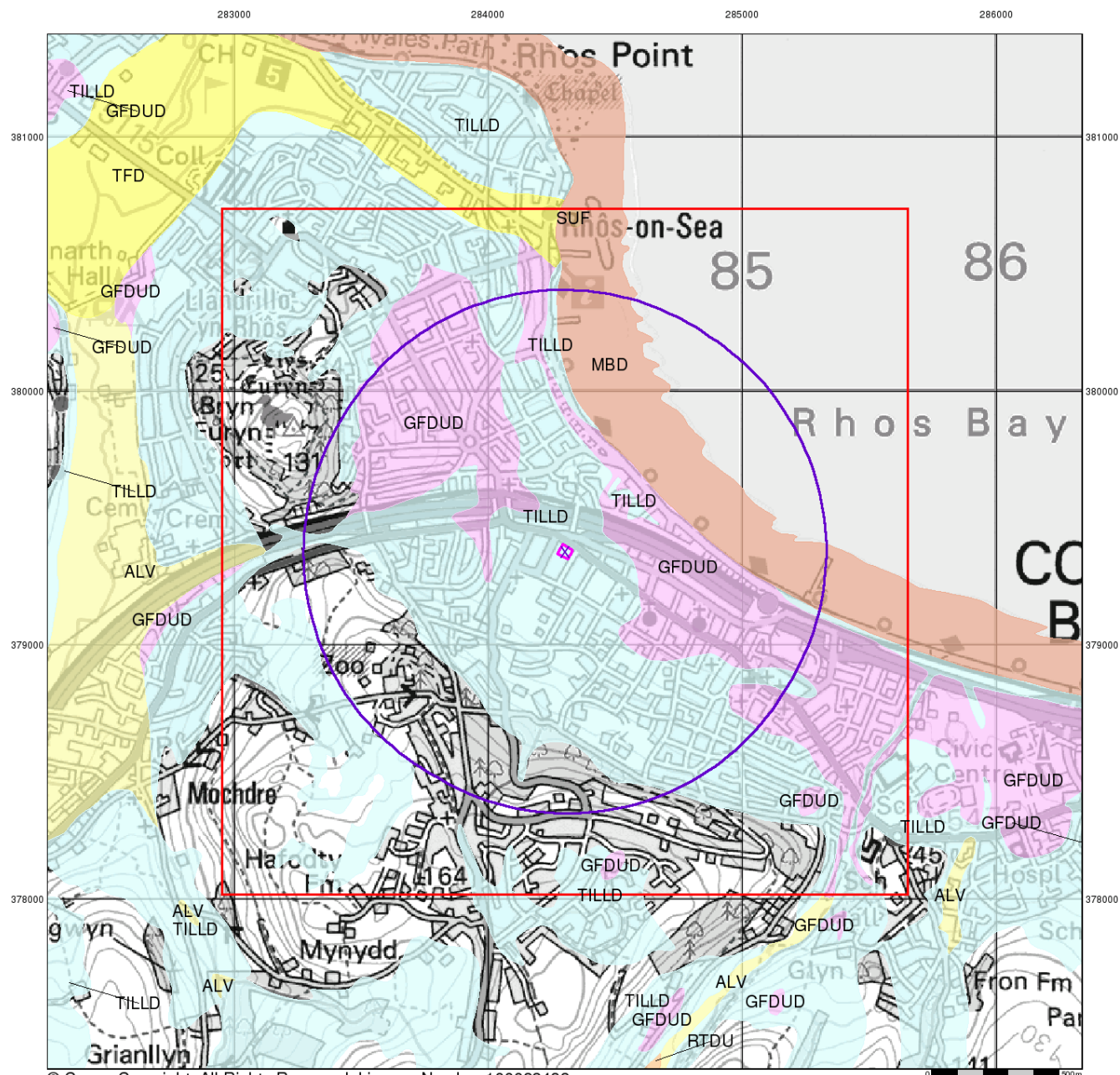
Order Number: 303519721\_1\_1  
 Customer Reference: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

### Site Details:

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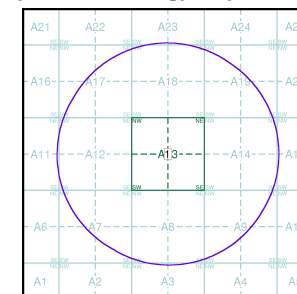
### Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice A



### Order Details:

Order Number: 303519721\_1\_1  
 Customer Reference: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

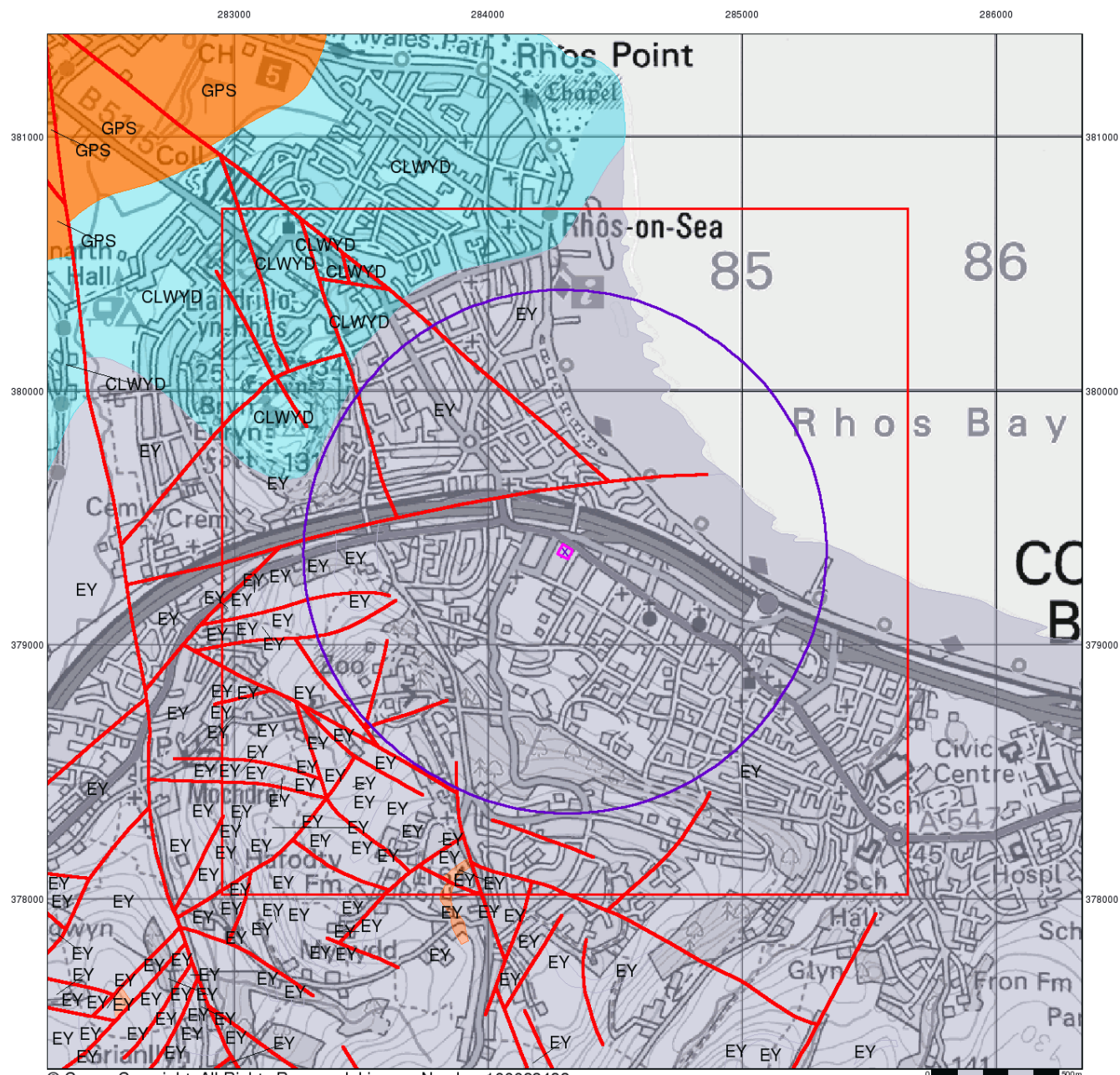
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## Bedrock and Faults

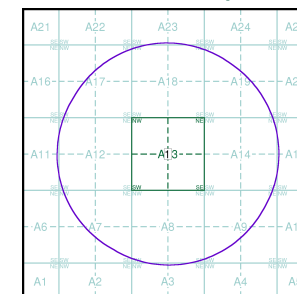
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

## Bedrock and Faults Map - Slice A



## Order Details:

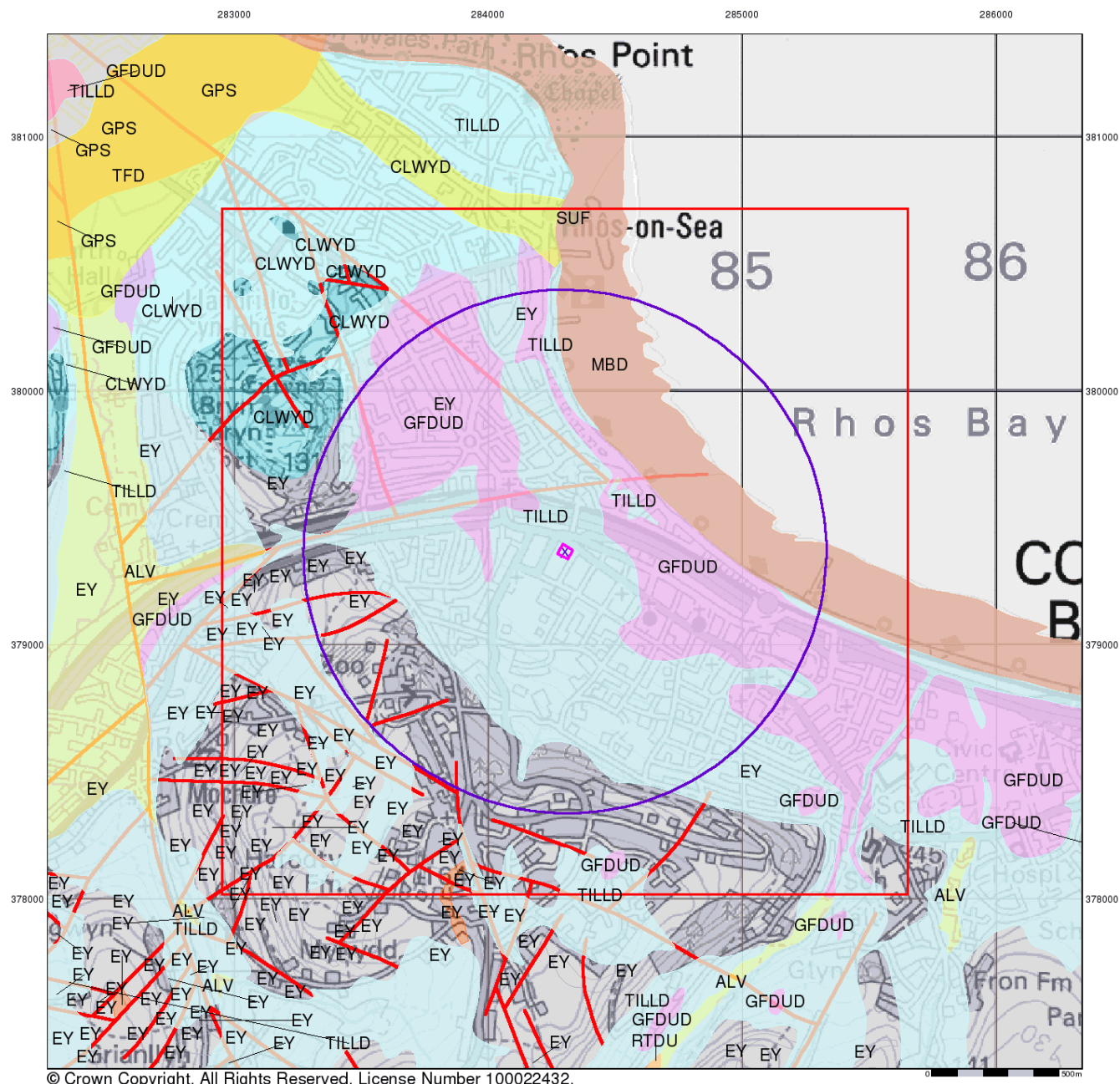
Order Number: 303519721\_1\_1  
 Customer Reference: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

## Site Details:

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### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

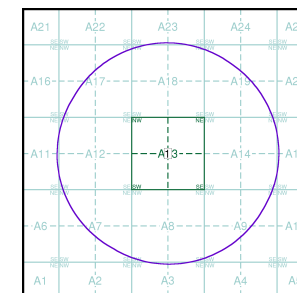
### Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
Kingsley Dunham Centre  
Keyworth  
Nottingham  
NG12 5GG  
Telephone: 0115 936 3143  
Fax: 0115 936 3276  
email: enquiries@bgs.ac.uk  
website: www.bgs.ac.uk

### Combined Geology Map - Slice A



### Order Details:

Order Number: 303519721\_1\_1  
Customer Reference: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

### Site Details:

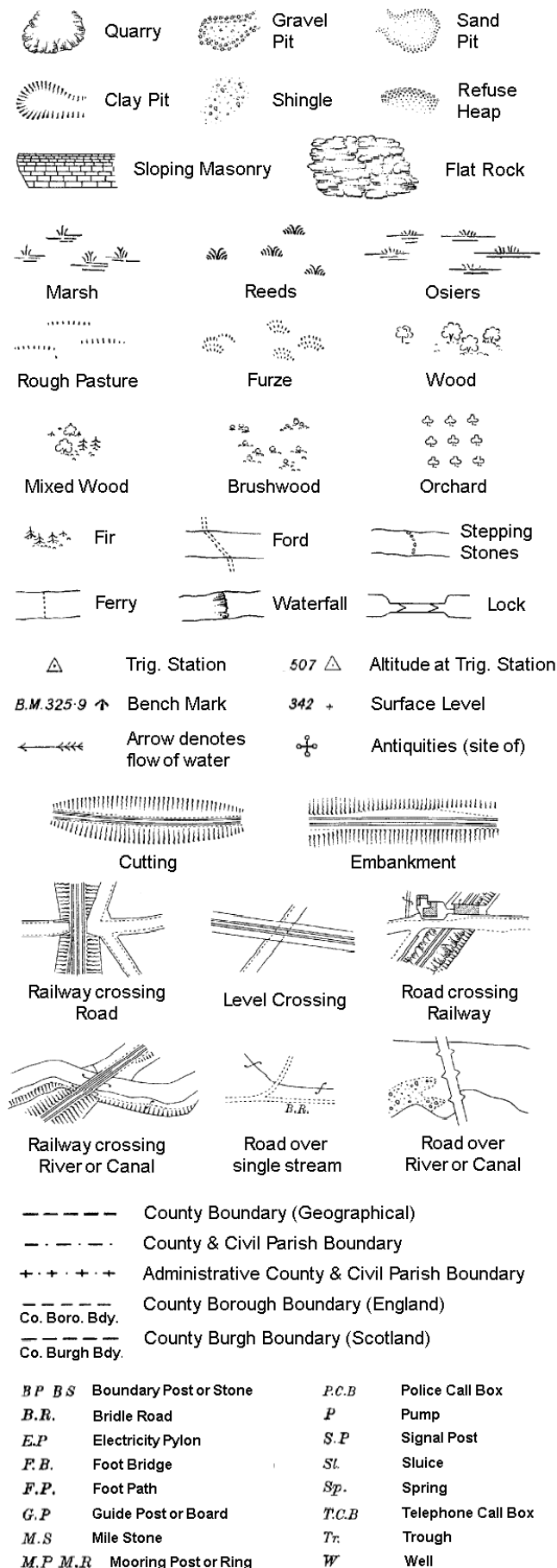
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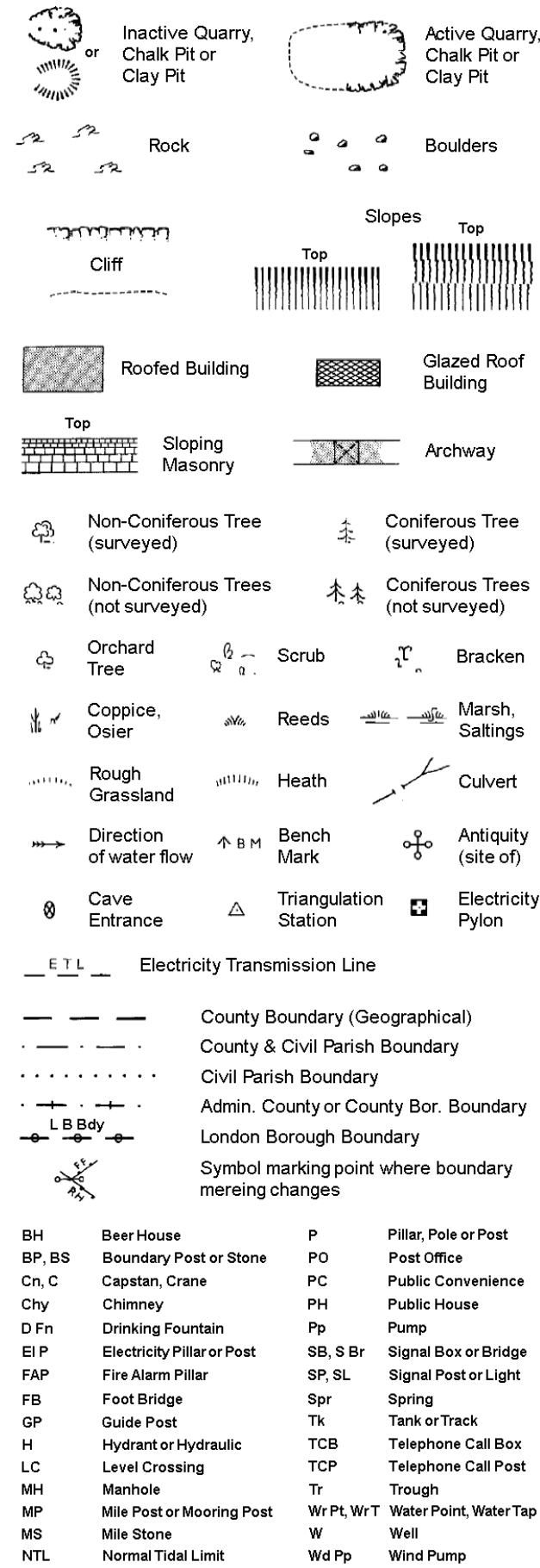
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# Historical Mapping Legends

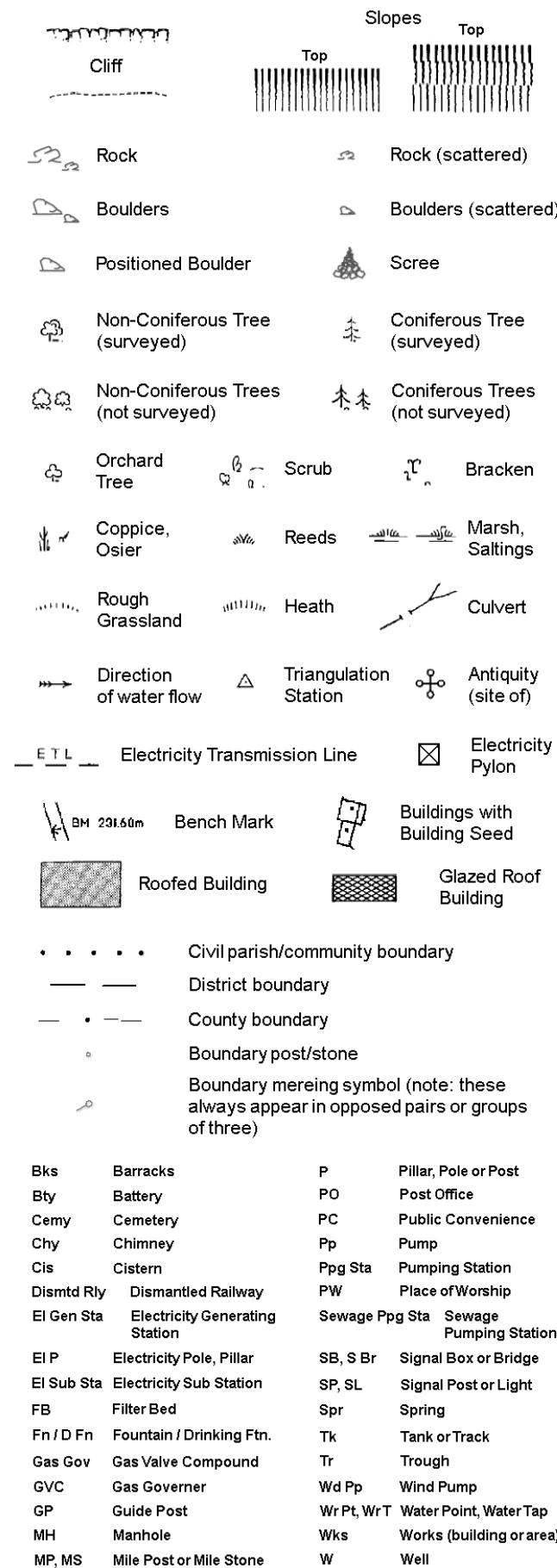
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



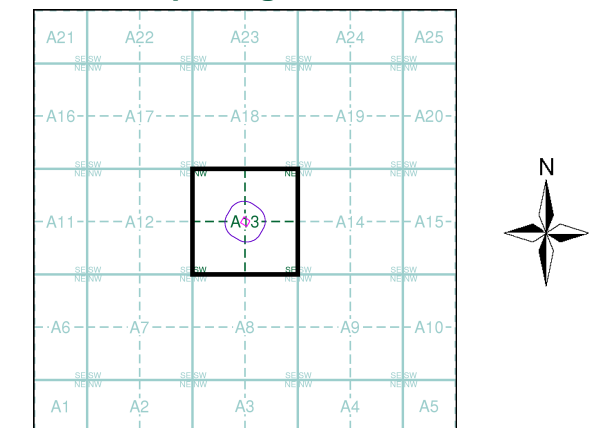
## Large-Scale National Grid Data 1:2,500 and 1:1,250



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Denbighshire	1:2,500	1875	2
Denbighshire	1:2,500	1900	3
Denbighshire	1:2,500	1913	4
Denbighshire	1:2,500	1937	5
Ordnance Survey Plan	1:2,500	1958 - 1959	6
Ordnance Survey Plan	1:1,250	1958	7
Additional SIMs	1:1,250	1958 - 1987	8
Ordnance Survey Plan	1:1,250	1972 - 1988	9
Additional SIMs	1:1,250	1987	10
Ordnance Survey Plan	1:1,250	1990	11
Large-Scale National Grid Data	1:1,250	1994	12
Large-Scale National Grid Data	1:1,250	1994	13
Historical Aerial Photography	1:2,500	2000	14

## Historical Map - Segment A13



## Order Details

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

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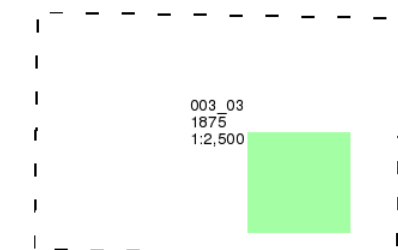
## Denbighshire

Published 1875

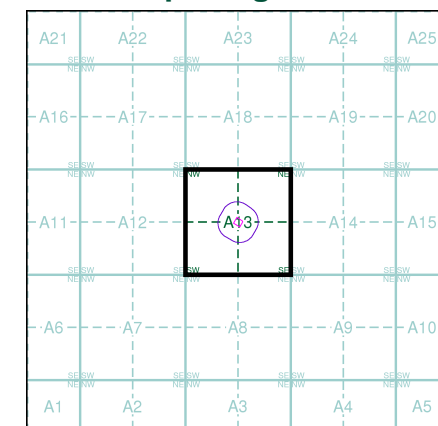
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13

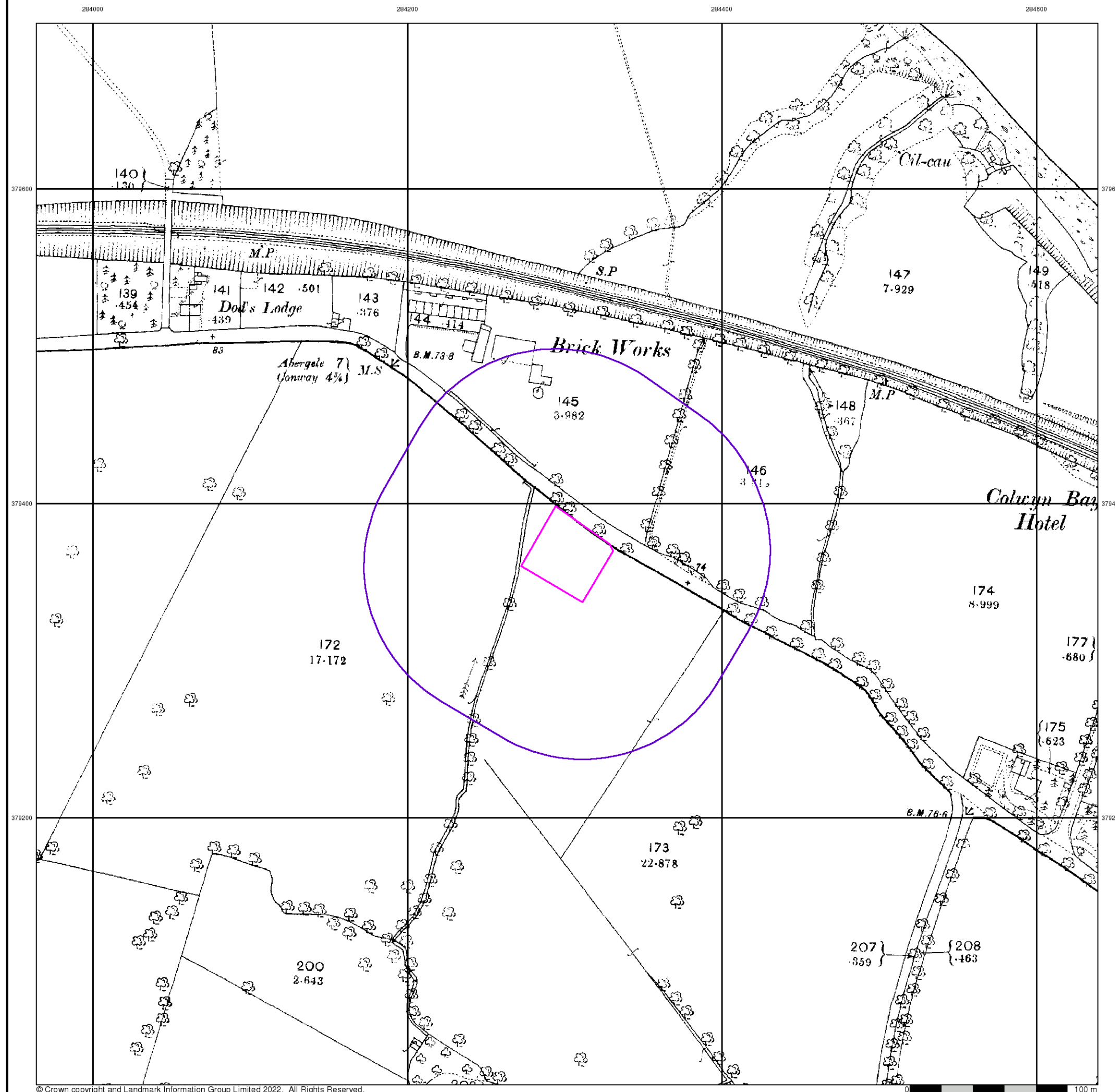


### Order Details

Order Number: 303519721\_1\_1  
 Customer Ref: 32999LG  
 National Grid Reference: 284300, 379370  
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 Site Area (Ha): 0.2  
 Search Buffer (m): 100

### Site Details

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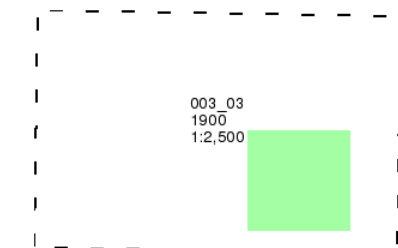
## Denbighshire

Published 1900

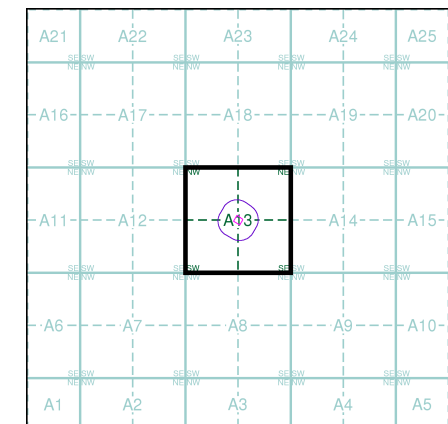
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13

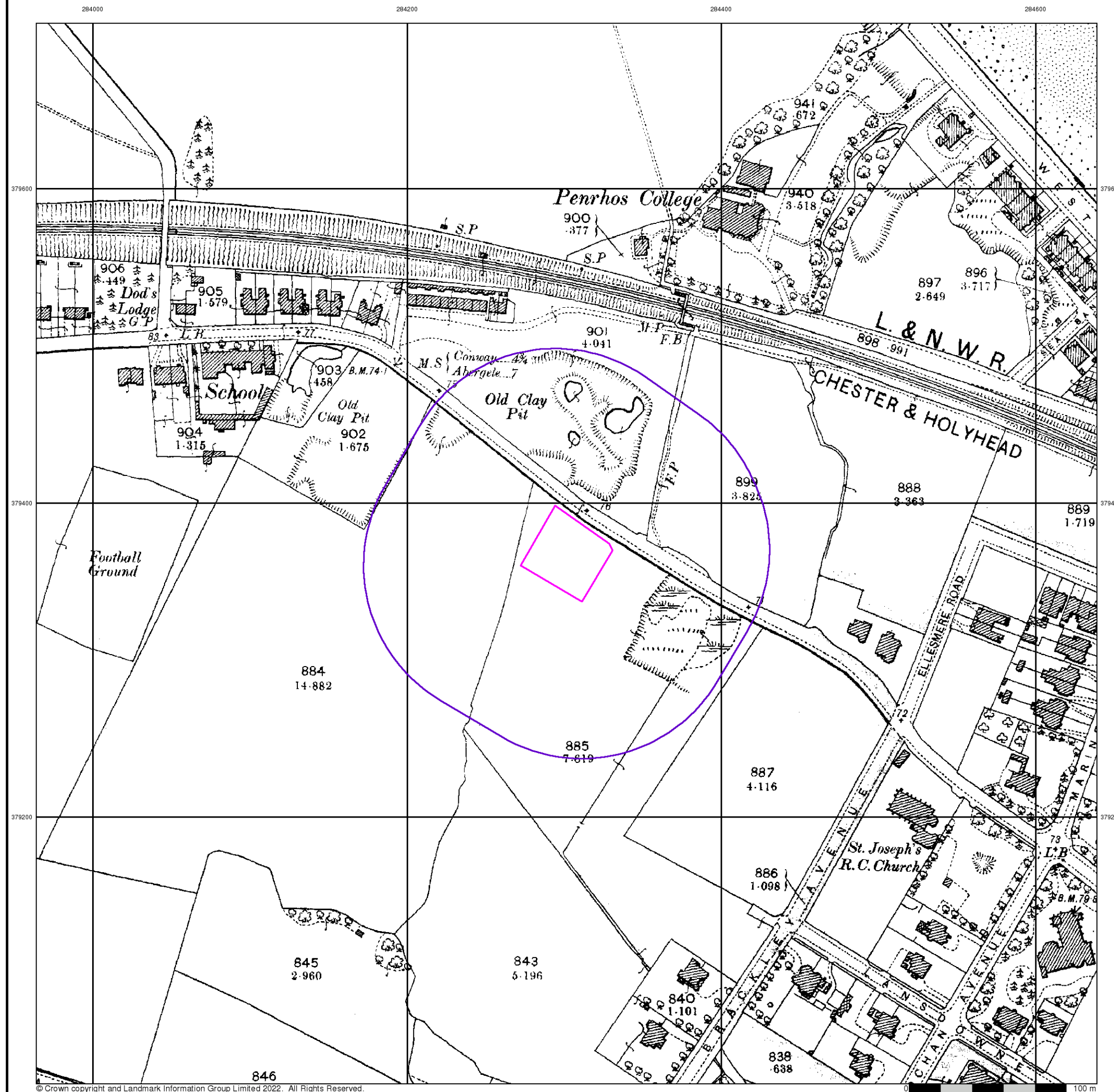


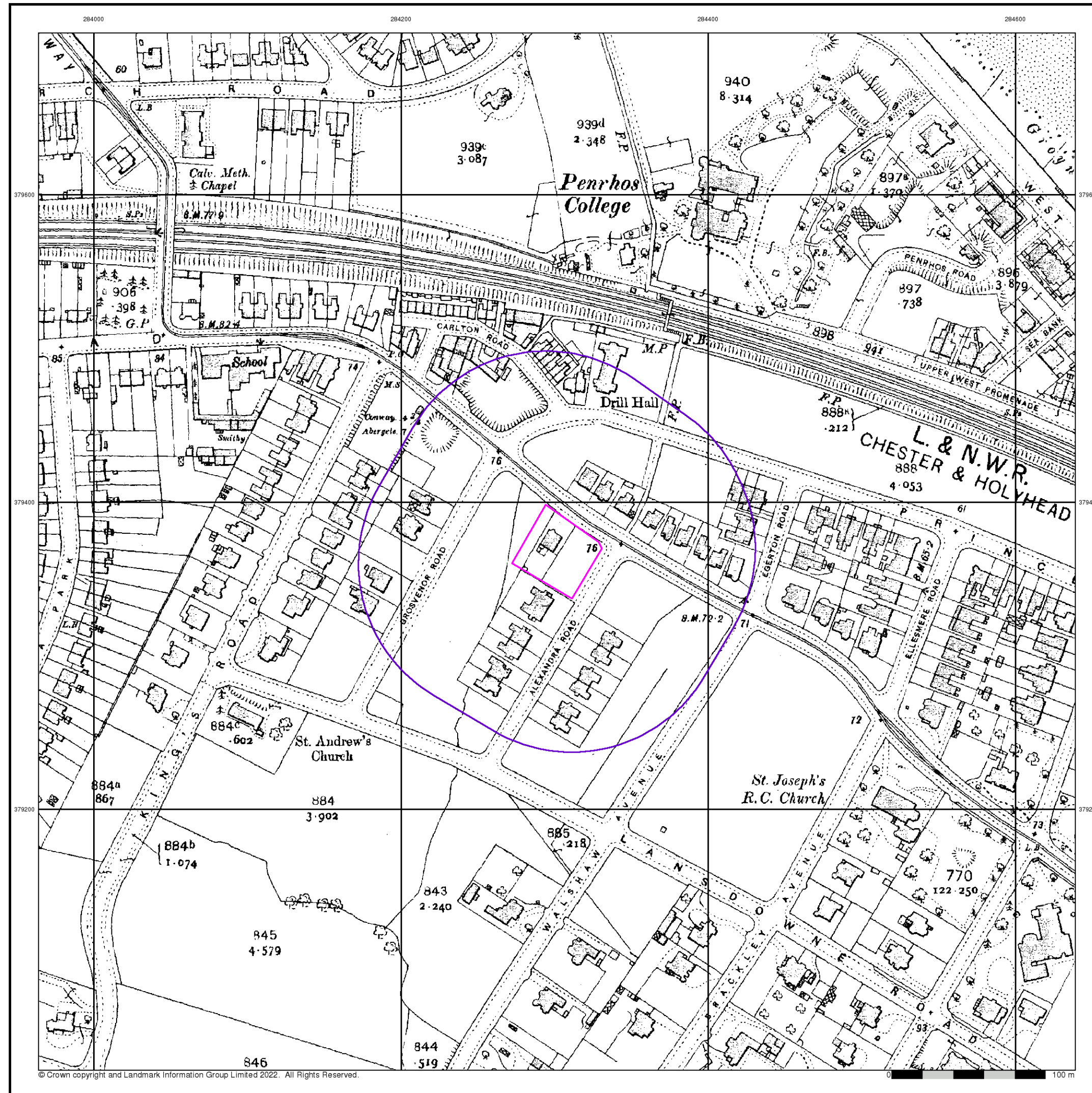
### Order Details

Order Number: 303519721\_1\_1  
 Customer Ref: 32999LG  
 National Grid Reference: 284300, 379370  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 100

### Site Details

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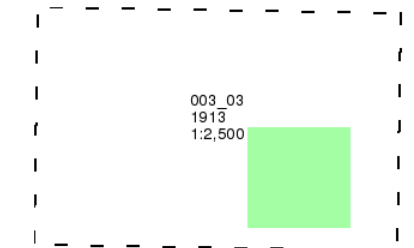
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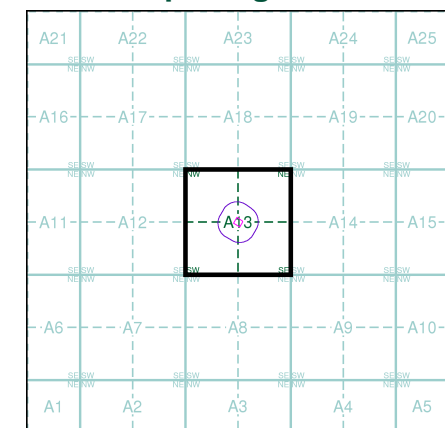
**Denbighshire**  
**Published 1913**  
**Source map scale - 1:2,500**

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

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**



**Order Details**  
Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
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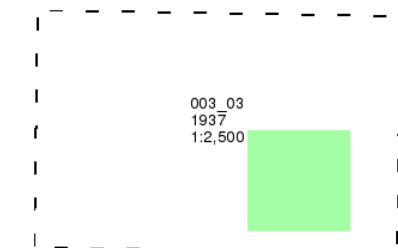
## Denbighshire

Published 1937

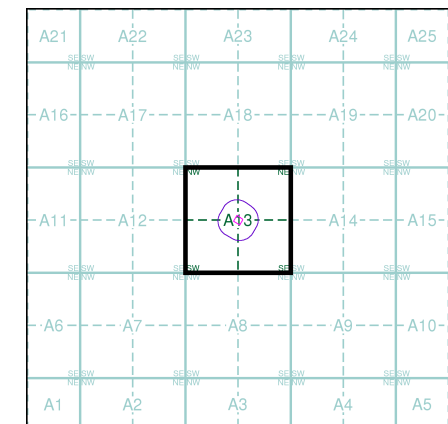
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13



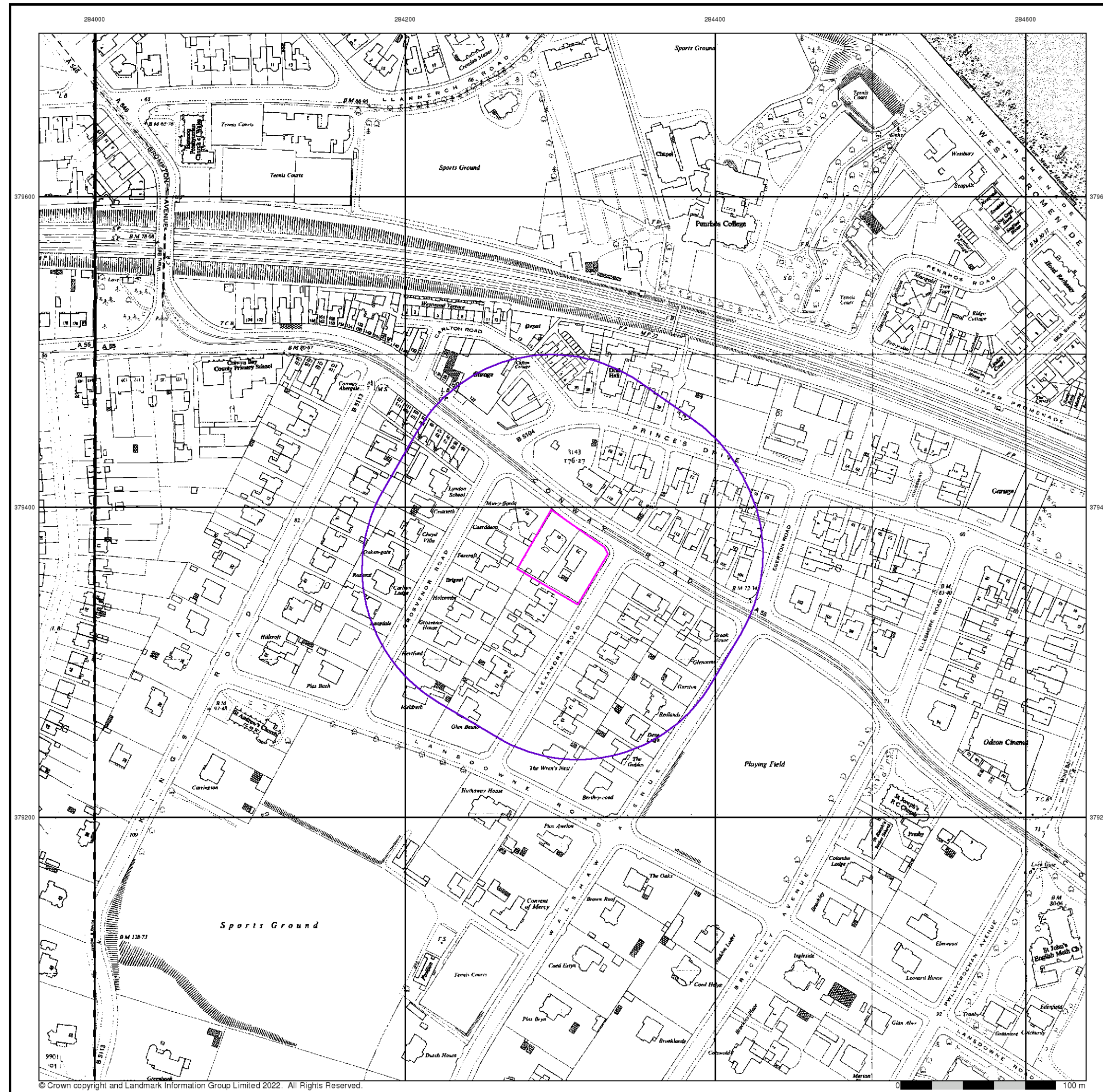
### Order Details

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
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## Ordnance Survey Plan

Published 1958 - 1959

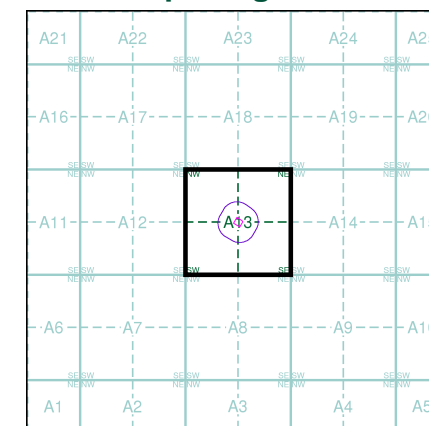
Source map scale - 1:2,500

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)

SH8379 1959 1:2,500	SH8479 1958 1:2,500
---------------------------	---------------------------

## Historical Map - Segment A13



## Order Details

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

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## Ordnance Survey Plan

Published 1958

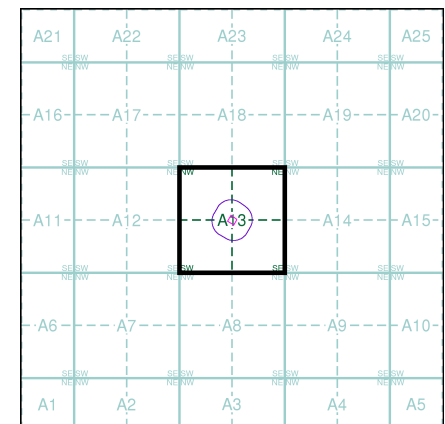
Source map scale - 1:1,250

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

### Map Name(s) and Date(s)

SH8379NE 1958 1:1,250	SH8479NW 1958 1:1,250	SH8479NE 1958 1:1,250
SH8379SE 1958 1:1,250	SH8479SW 1958 1:1,250	SH8479SE 1958 1:1,250

### Historical Map - Segment A13



### Order Details

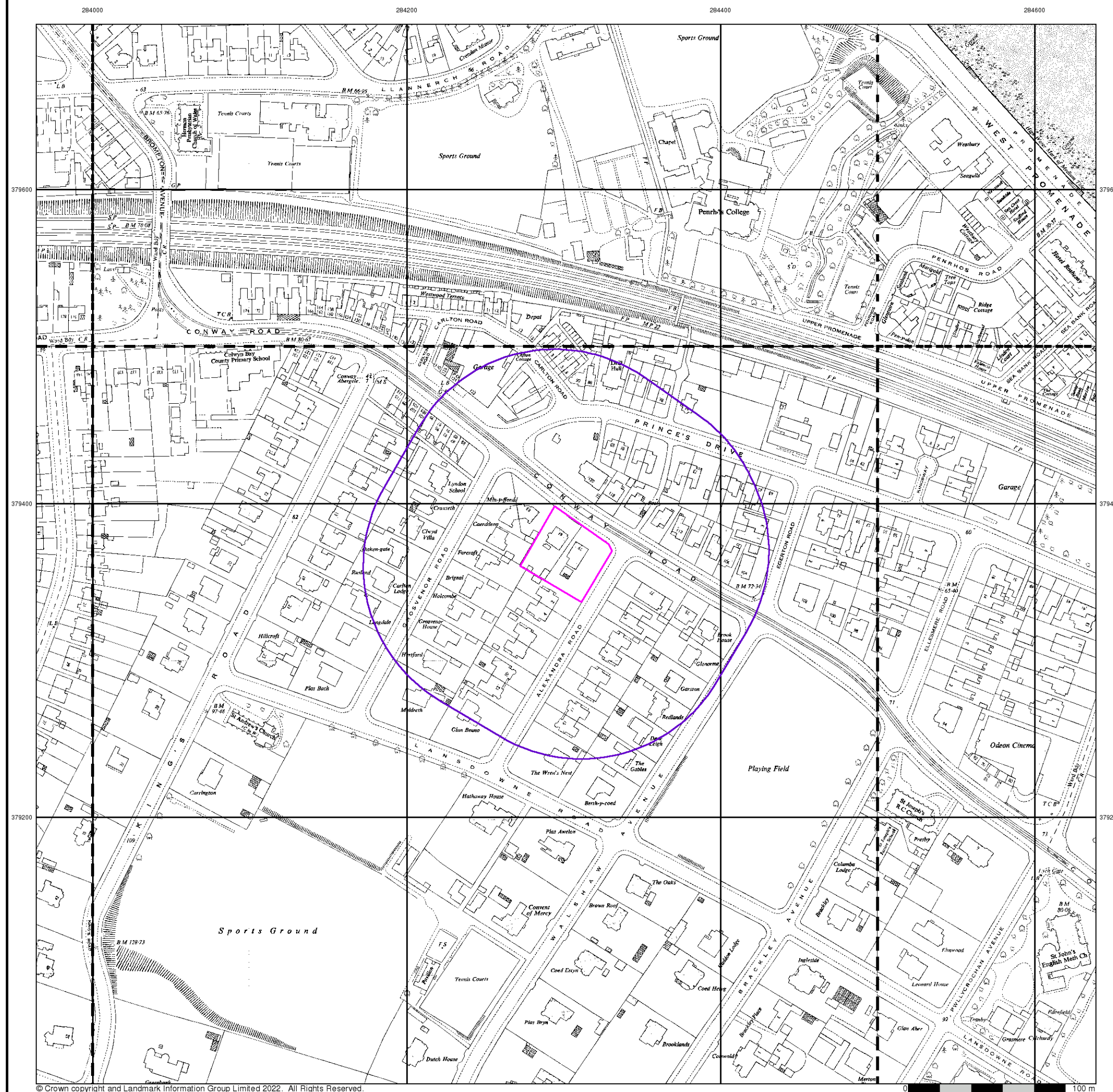
Order Number: 303519721\_1\_1  
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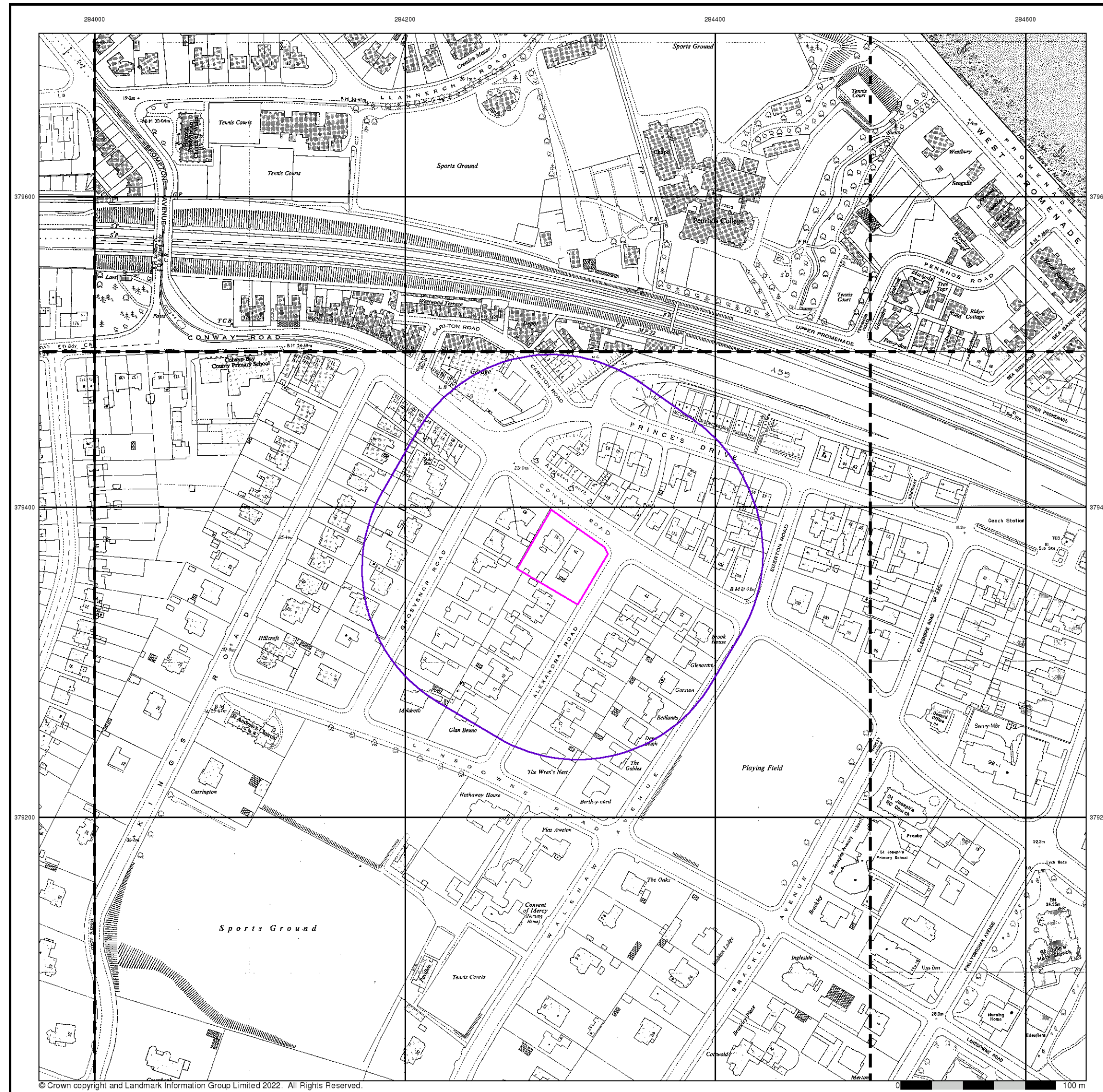
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## Additional SIMs

Published 1958 - 1987

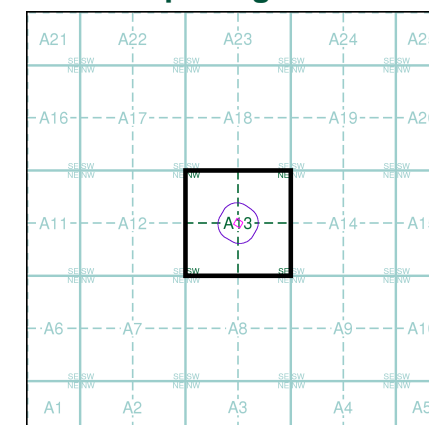
Source map scale - 1:1,250

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

## Map Name(s) and Date(s)

SH8379NE 1987 1:1,250	SH8479NW 1958 1:1,250	SH8479NE 1958 1:1,250
SH8379SE 1987 1:1,250	SH8479SW 1986 1:1,250	SH8479SE 1986 1:1,250

## Historical Map - Segment A13



## Order Details

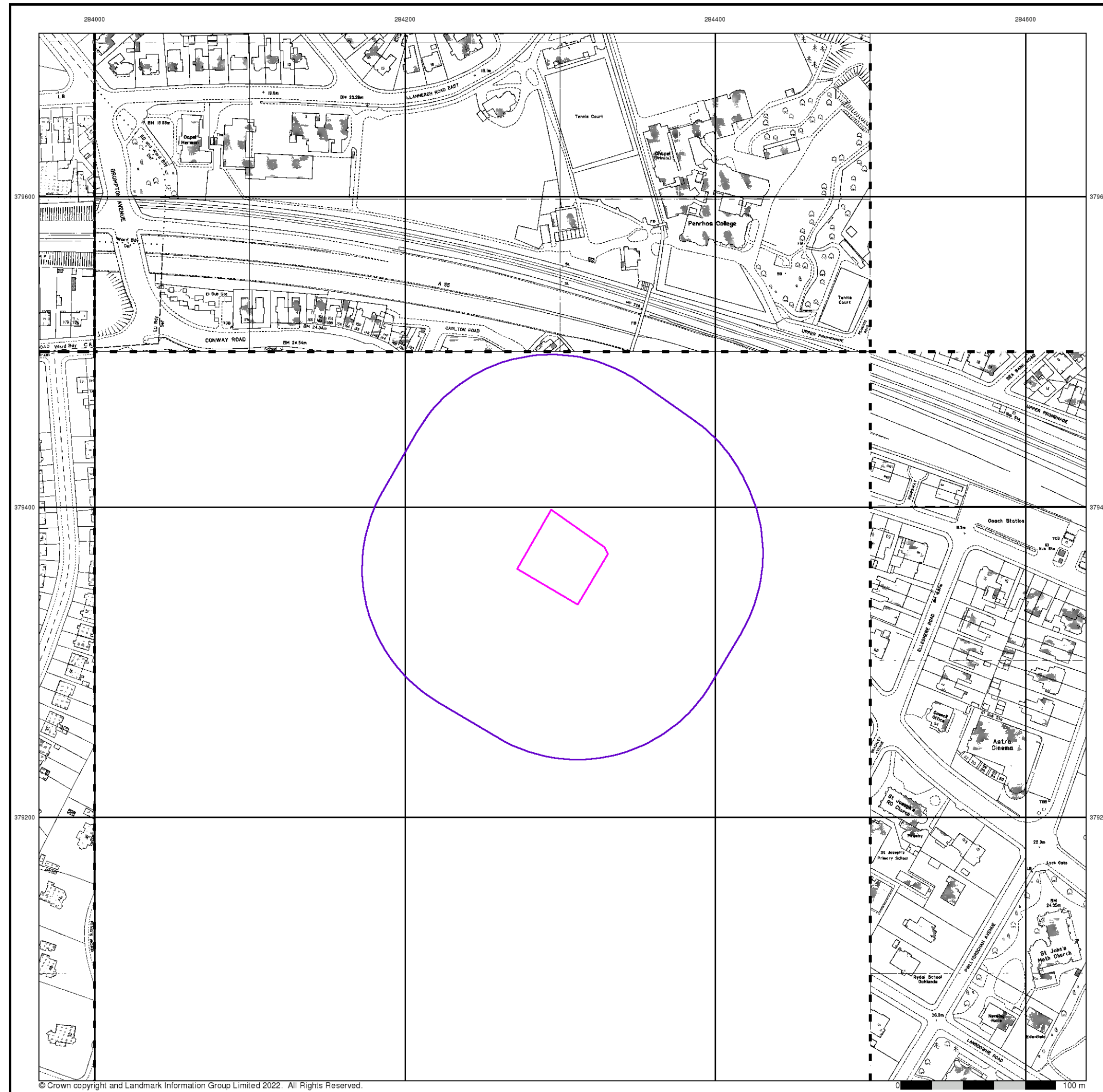
Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

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## Ordnance Survey Plan

Published 1972 - 1988

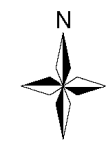
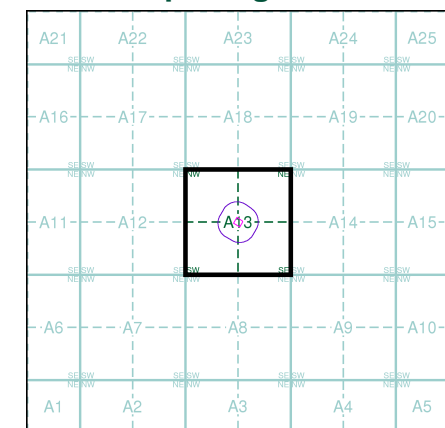
Source map scale - 1:1,250

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

### Map Name(s) and Date(s)

SH8379NE 1973 1:1,250	SH8479NW 1988 1:1,250
SH8379SE 1972 1:1,250	SH8479SE 1986 1:1,250

### Historical Map - Segment A13



**Order Details**

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

**Site Details**

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Ordnance Survey Plan

Published 1990

Source map scale - 1:1,250

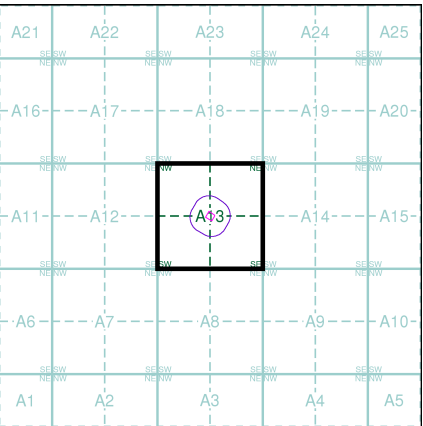
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)

SH8379NE  
1990  
1:1,250



Historical Map - Segment A13



Order Details

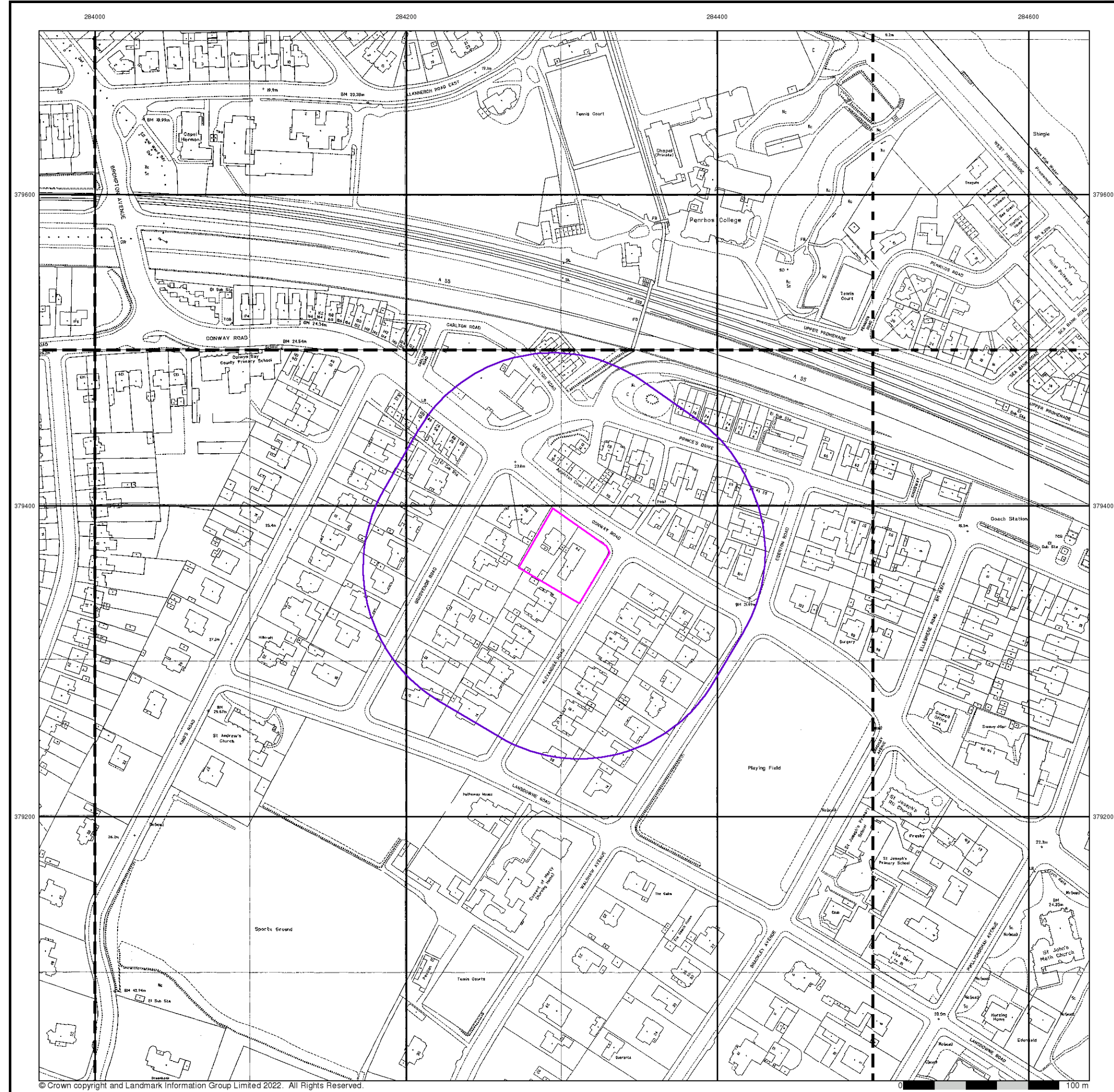
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Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN



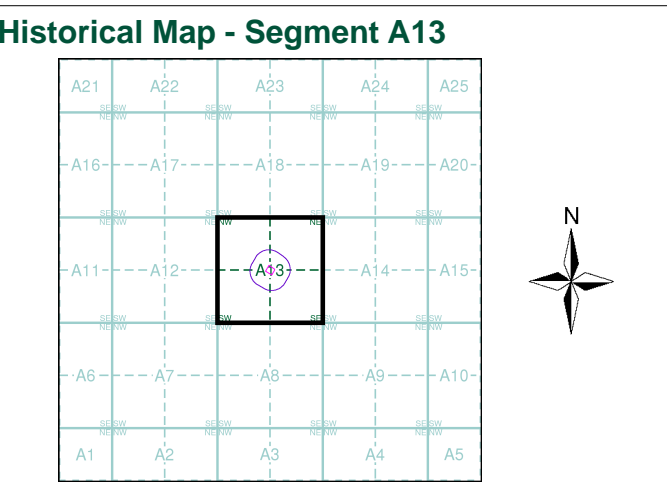
Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: www.envirocheck.co.uk



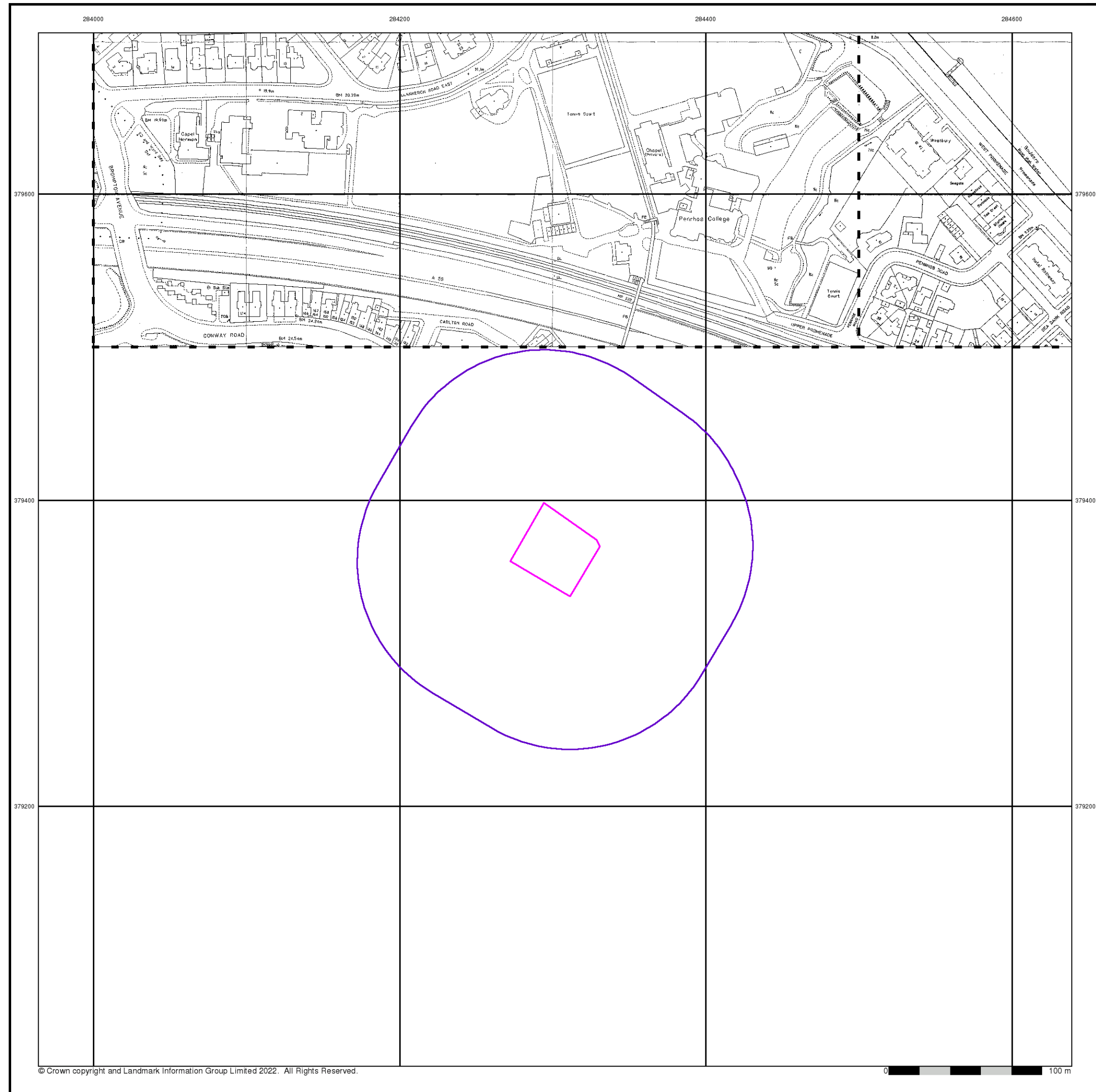
**Large-Scale National Grid Data**  
**Published 1994**  
**Source map scale - 1:1,250**  
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

**Map Name(s) and Date(s)**

SH8379NE 1994 1:1,250	SH8479NW 1994 1:1,250	SH8479NE 1994 1:1,250
SH8379SE 1994 1:1,250	SH8479SW 1994 1:1,250	SH8479SE 1994 1:1,250



**Order Details**  
Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100  
**Site Details**  
79-81, Conway Road, COLWYN BAY, LL29 7LN



# Large-Scale National Grid Data

Published 1994

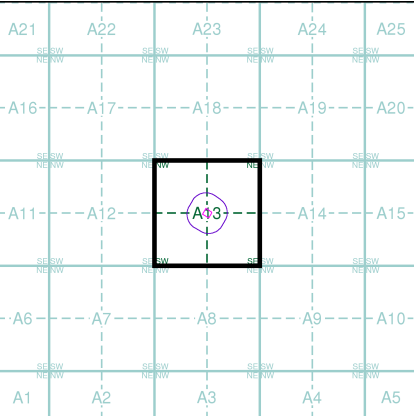
Source map scale - 1:1,250

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

## Map Name(s) and Date(s)

SH8479NW	SH8479NE
1994	1994
1:1,250	1:1,250

## Historical Map - Segment A13



**Order Details**

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

**Site Details**

79-81, Conway Road, COLWYN BAY, LL29 7LN

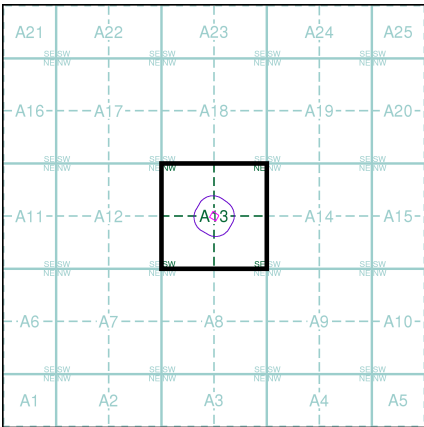


## Historical Aerial Photography

### Published 2000

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

### Historical Aerial Photography - Segment A13



**Order Details**  
Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

**Site Details**  
79-81, Conway Road, COLWYN BAY, LL29 7LN

**Landmark**  
INFORMATION GROUP  
Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

# 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		
	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

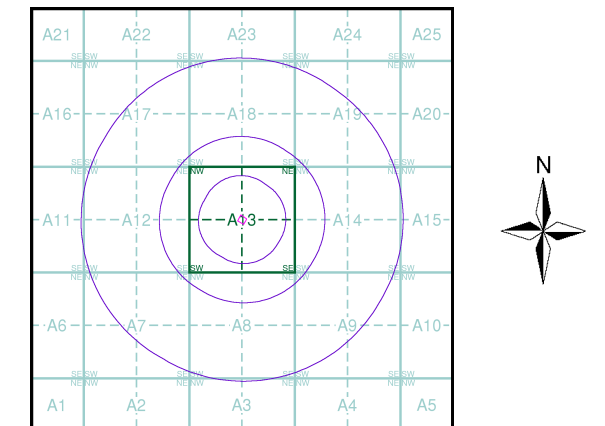
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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
Denbighshire	1:10,560	1879	2
Caernarvonshire	1:10,560	1888 - 1889	3
Denbighshire	1:10,560	1900	4
Caernarvonshire	1:10,560	1901	5
Denbighshire	1:10,560	1914	6
Denbighshire	1:10,560	1914	7
Caernarvonshire	1:10,560	1919 - 1920	8
Denbighshire	1:10,560	1937 - 1938	9
Caernarvonshire	1:10,560	1938 - 1939	10
Denbighshire	1:10,560	1953 - 1954	11
Caernarvonshire	1:10,560	1953	12
Ordnance Survey Plan	1:10,000	1963 - 1964	13
Ordnance Survey Plan	1:10,000	1970 - 1972	14
Ordnance Survey Plan	1:10,000	1989	15
Ordnance Survey Plan	1:10,000	1993	16
10K Raster Mapping	1:10,000	2000	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2022	19

## Historical Map - Slice A



## Order Details

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

## Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN

**Landmark**  
INFORMATION GROUP

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

## Denbighshire

Published 1879

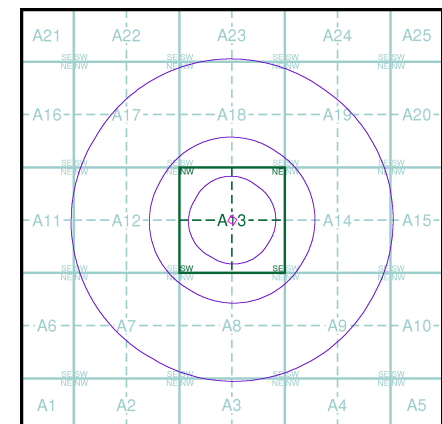
Source map scale - 1:10,560

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)

00100
1879
1:10,560
00300
1879
1:10,560

### Historical Map - Slice A



### Order Details

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN

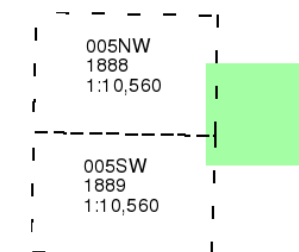
## Caernarvonshire

Published 1888 - 1889

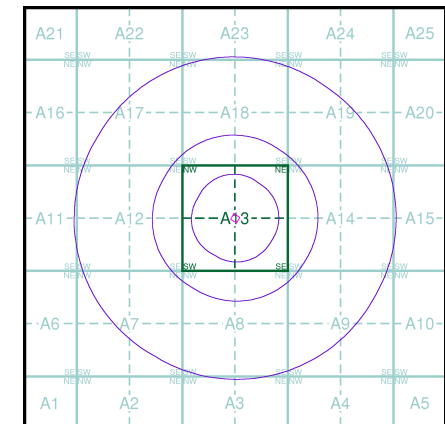
Source map scale - 1:10,560

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: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN

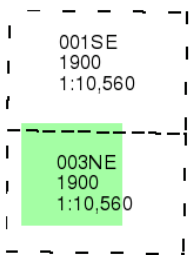
**Denbighshire**

**Published 1900**

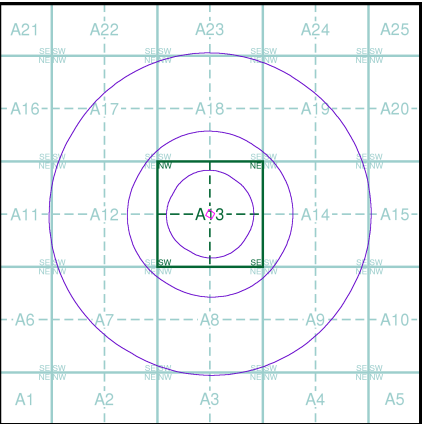
**Source map scale - 1:10,560**

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

**Map Name(s) and Date(s)**



**Historical Map - Slice A**



**Order Details**

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

**Site Details**

79-81, Conway Road, COLWYN BAY, LL29 7LN

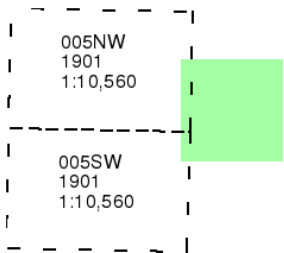
**Caernarvonshire**

**Published 1901**

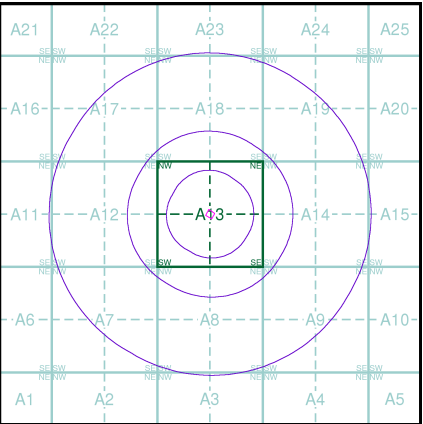
**Source map scale - 1:10,560**

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

**Map Name(s) and Date(s)**



**Historical Map - Slice A**

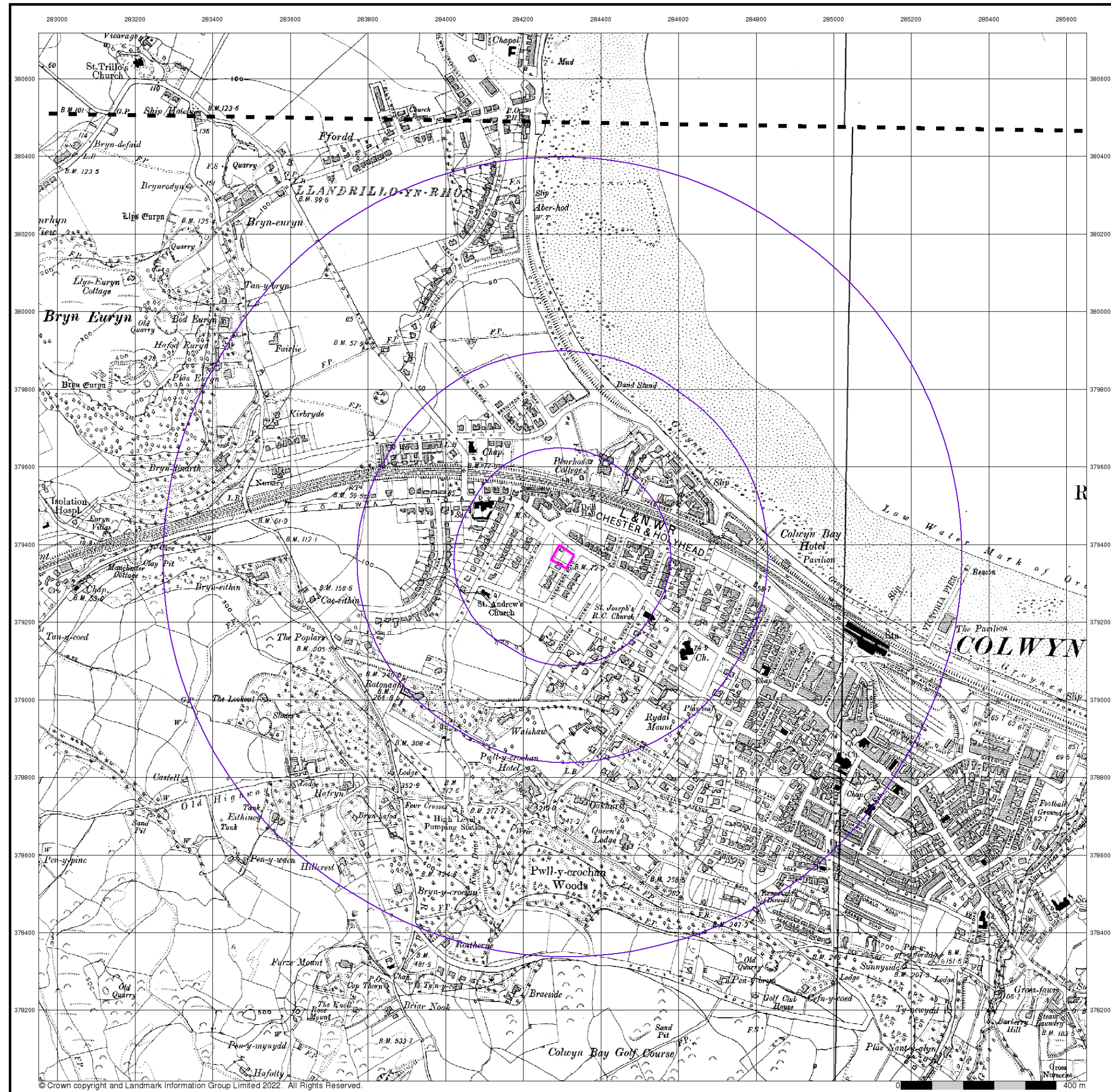



**Order Details**

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

**Site Details**

79-81, Conway Road, COLWYN BAY, LL29 7LN





## Denbighshire

### Published 1914

### Source map scale - 1:10,560

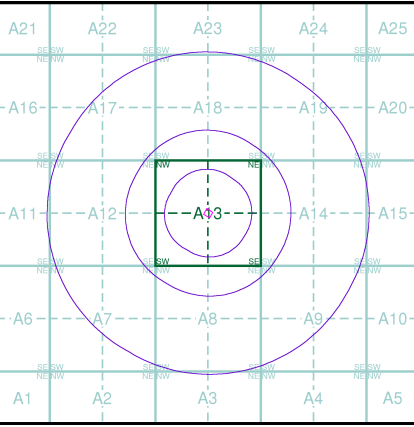
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

001SE  
1914  
1:10,560

003NE  
1914  
1:10,560

### Historical Map - Slice A




### Order Details

Order Number:	303519721_1_1
Customer Ref:	32999LG
National Grid Reference:	284300, 379370
Slice:	A
Site Area (Ha):	0.2
Search Buffer (m):	1000

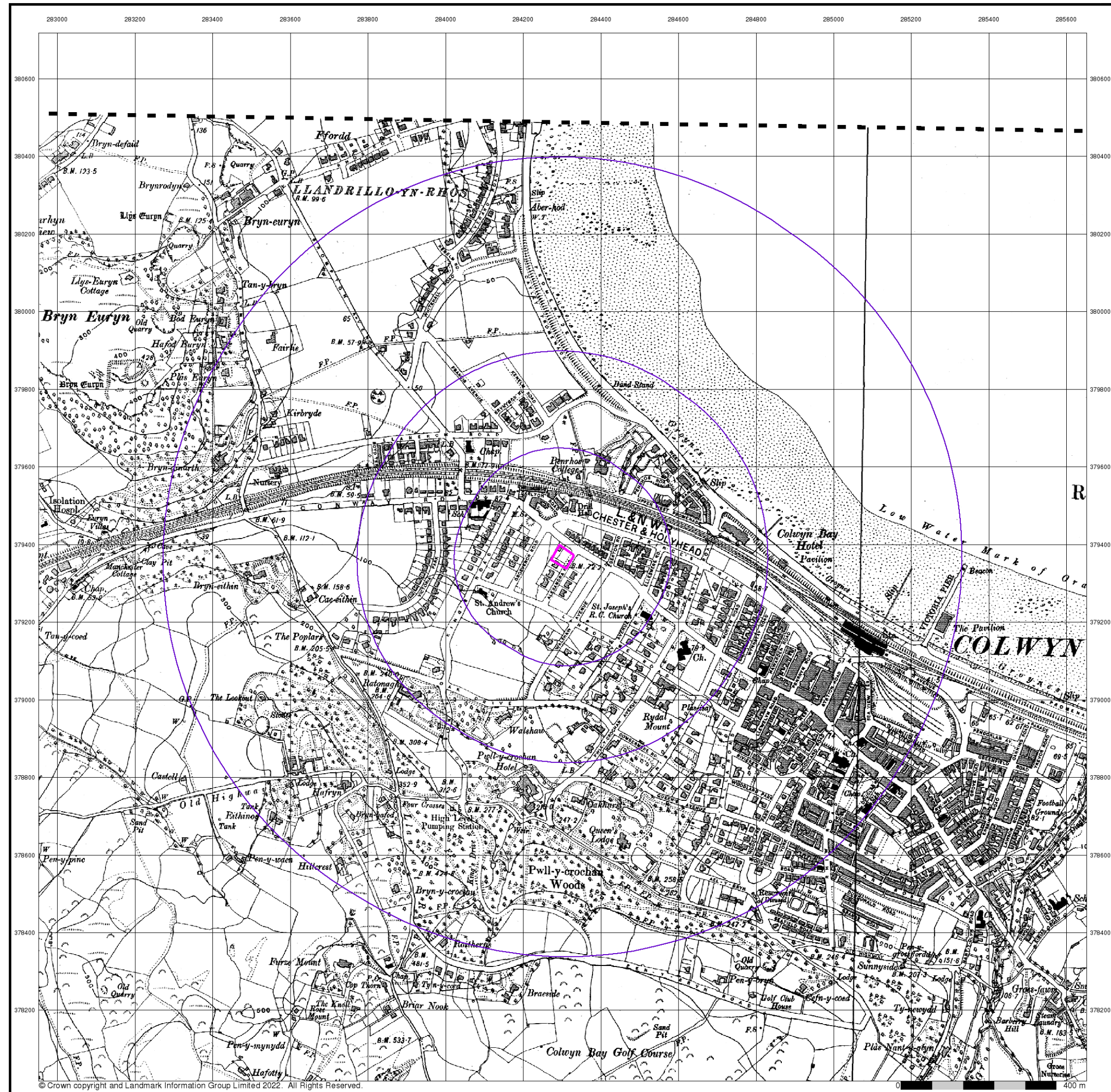
### Site Details


79-81, Conway Road, COLWYN BAY, LL29 7LN



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Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

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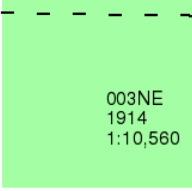
## Denbighshire

### Published 1914


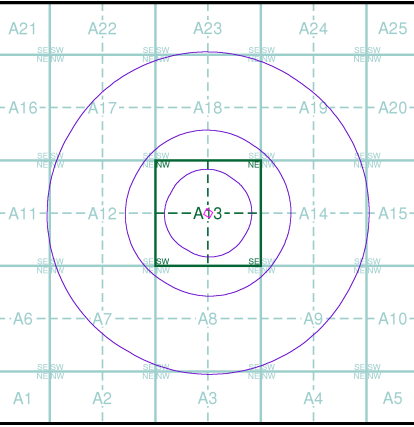
### Source map scale - 1:10,560

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:	303519721_1_1
Customer Ref:	32999LG
National Grid Reference:	284300, 379370
Slice:	A
Site Area (Ha):	0.2
Search Buffer (m):	1000

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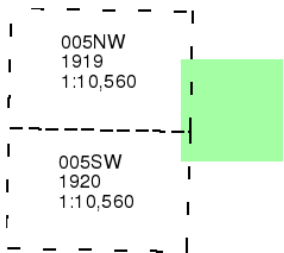
**Caernarvonshire**

**Published 1919 - 1920**

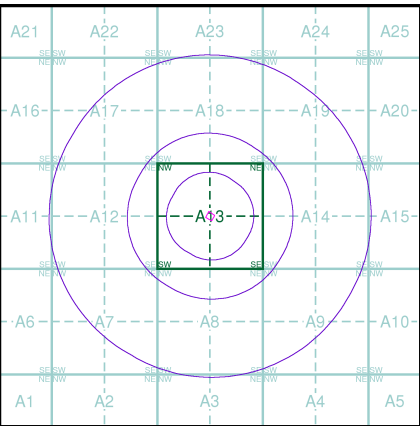
**Source map scale - 1:10,560**

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: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

**Site Details**

79-81, Conway Road, COLWYN BAY, LL29 7LN



## Denbighshire

### Published 1937 - 1938

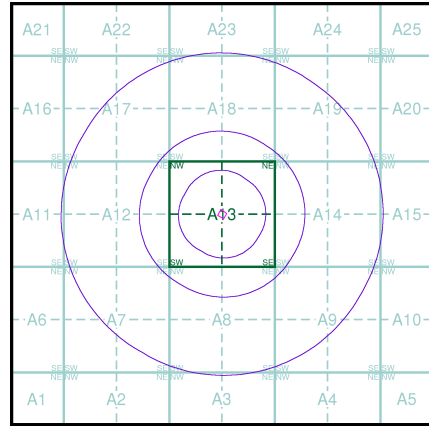
### Source map scale - 1:10,560

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)

001SE
1937
1:10,560
003NE
1938
1:10,560

### Historical Map - Slice A



Order Details	
Order Number:	303519721_1_1
Customer Ref:	32999LG
National Grid Reference:	284300, 379370
Slice:	A
Site Area (Ha):	0.2
Search Buffer (m):	1000

**Site Details**  
79-81, Conway Road, COLWYN BAY, LL29 7LN

Landmark  
INFORMATION GROUP

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Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

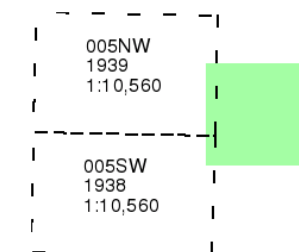
## Caernarvonshire

Published 1938 - 1939

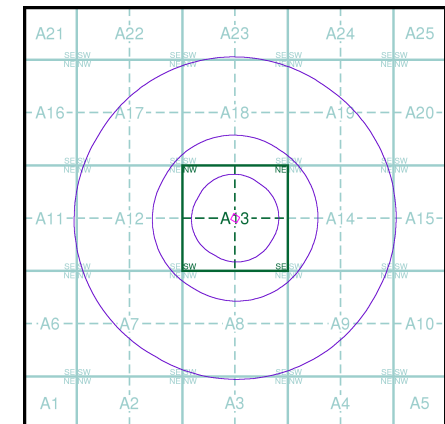
Source map scale - 1:10,560

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

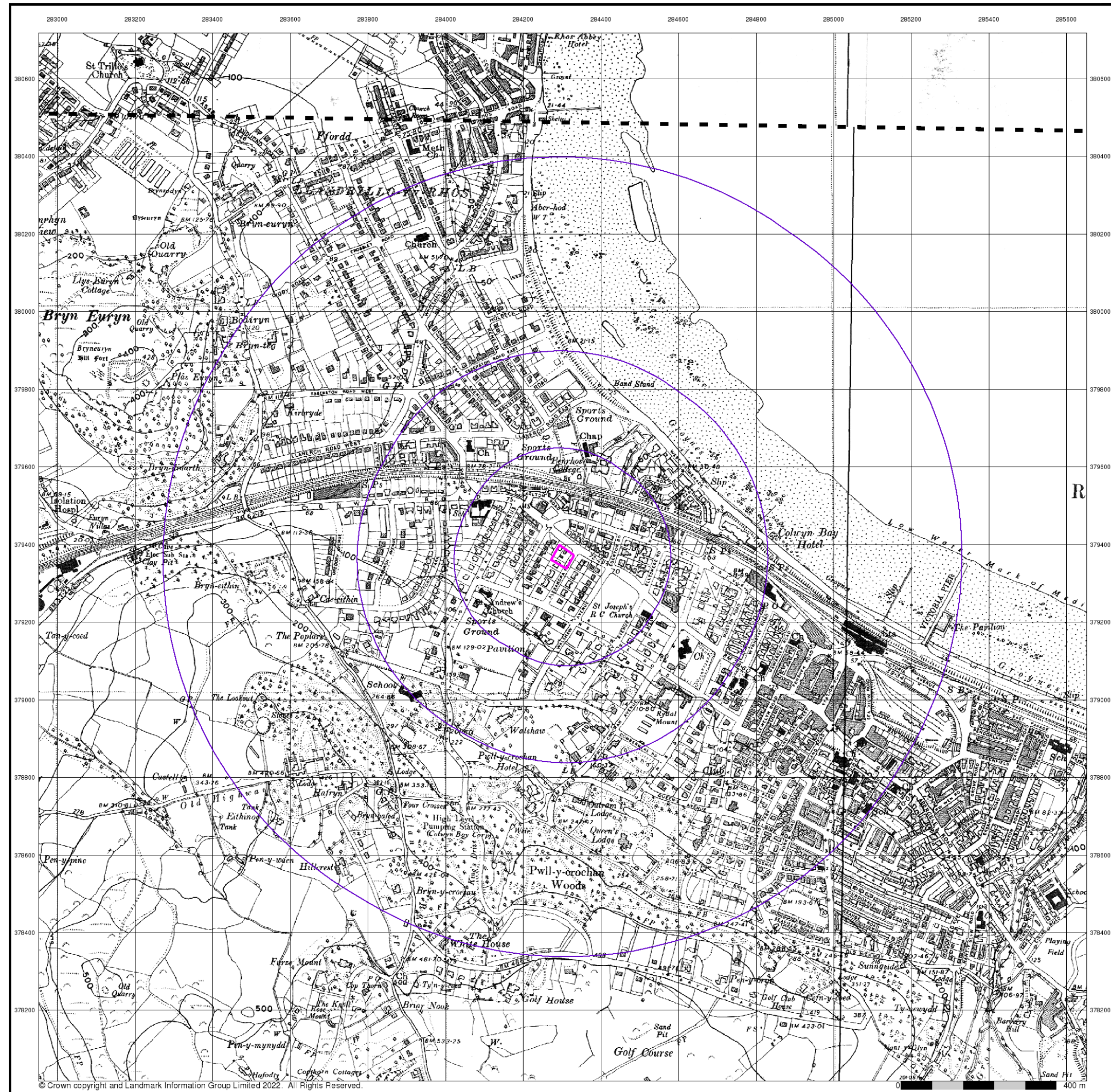


### Order Details

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
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79-81, Conway Road, COLWYN BAY, LL29 7LN



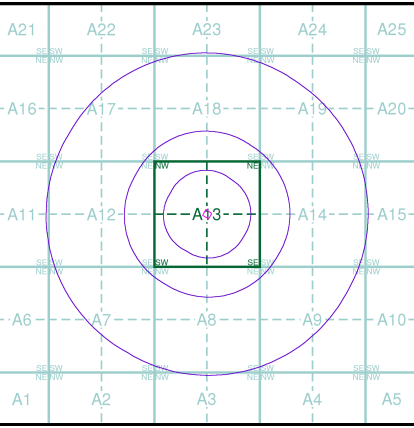
**Denbighshire**  
**Published 1953 - 1954**  
**Source map scale - 1:10,560**

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)**

001SE
1953
1:10,560
003NE
1954
1:10,560

**Historical Map - Slice A**



<b>Order Details</b>	
Order Number:	303519721_1_1
Customer Ref:	32999LG
National Grid Reference:	284300, 379370
Slice:	A
Site Area (Ha):	0.2
Search Buffer (m):	1000

**Site Details**  
79-81, Conway Road, COLWYN BAY, LL29 7LN

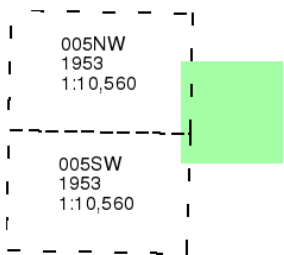
**Caernarvonshire**

**Published 1953**

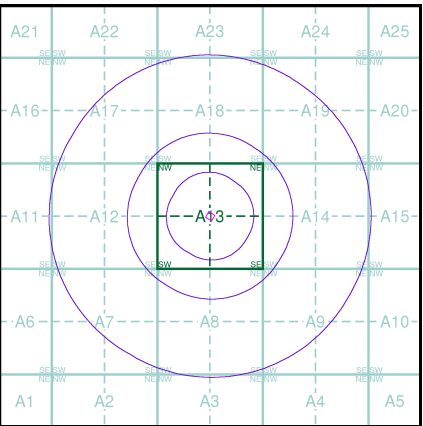
**Source map scale - 1:10,560**

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**

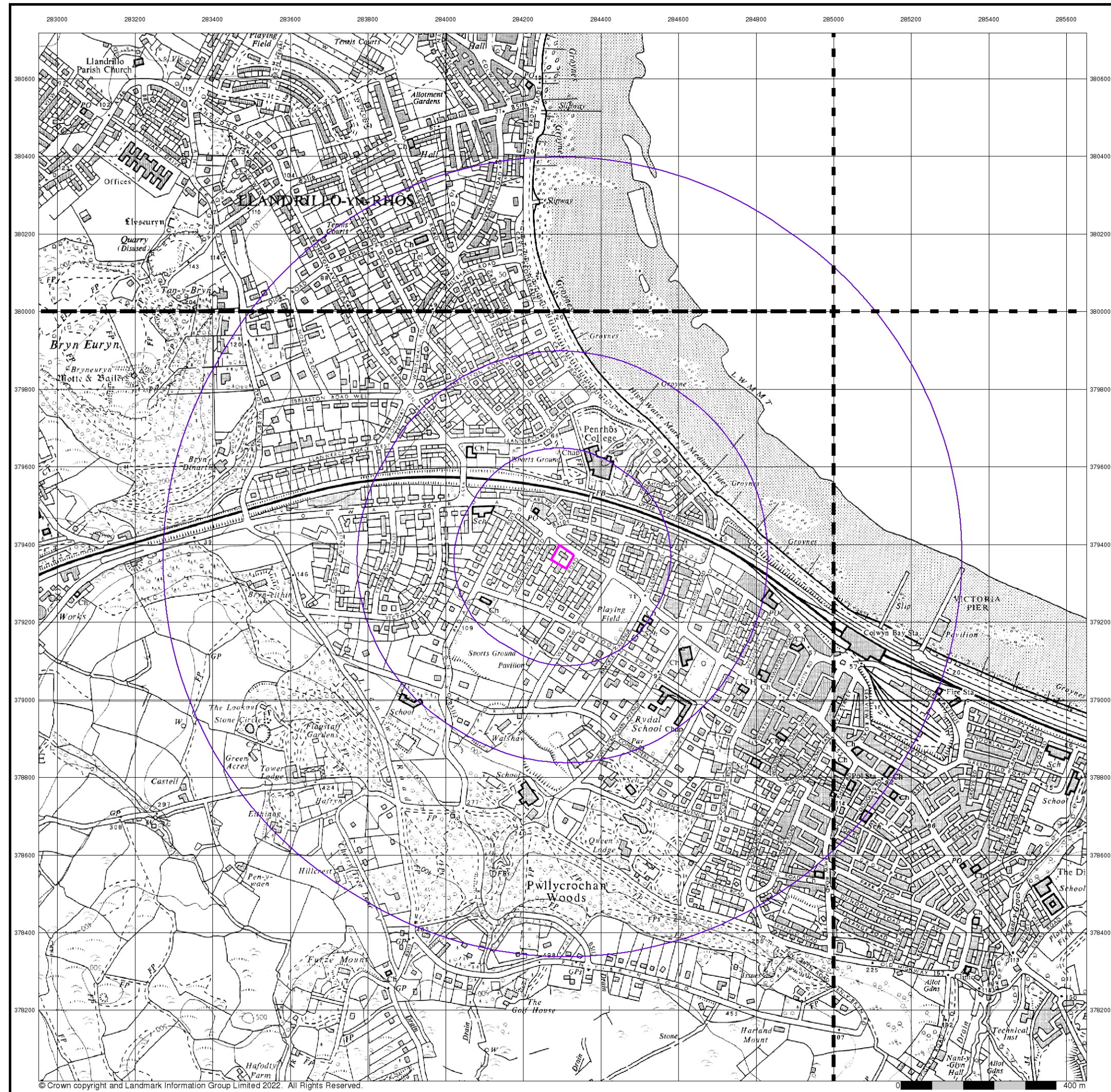


**Order Details**

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

**Site Details**

79-81, Conway Road, COLWYN BAY, LL29 7LN



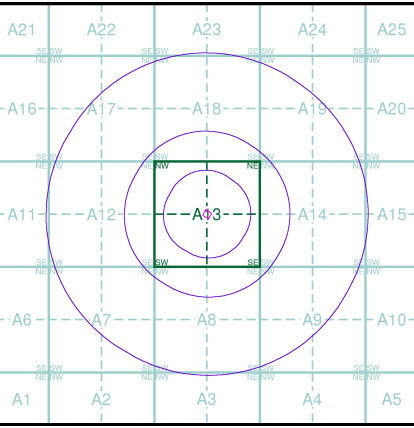
**Ordnance Survey Plan**  
**Published 1963 - 1964**  
**Source map scale - 1:10,000**

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)**

SH88SW	1963	1:10,560
SH87NW	1964	1:10,560
SH87NE	1964	1:10,560

**Historical Map - Slice A**



**Order Details**

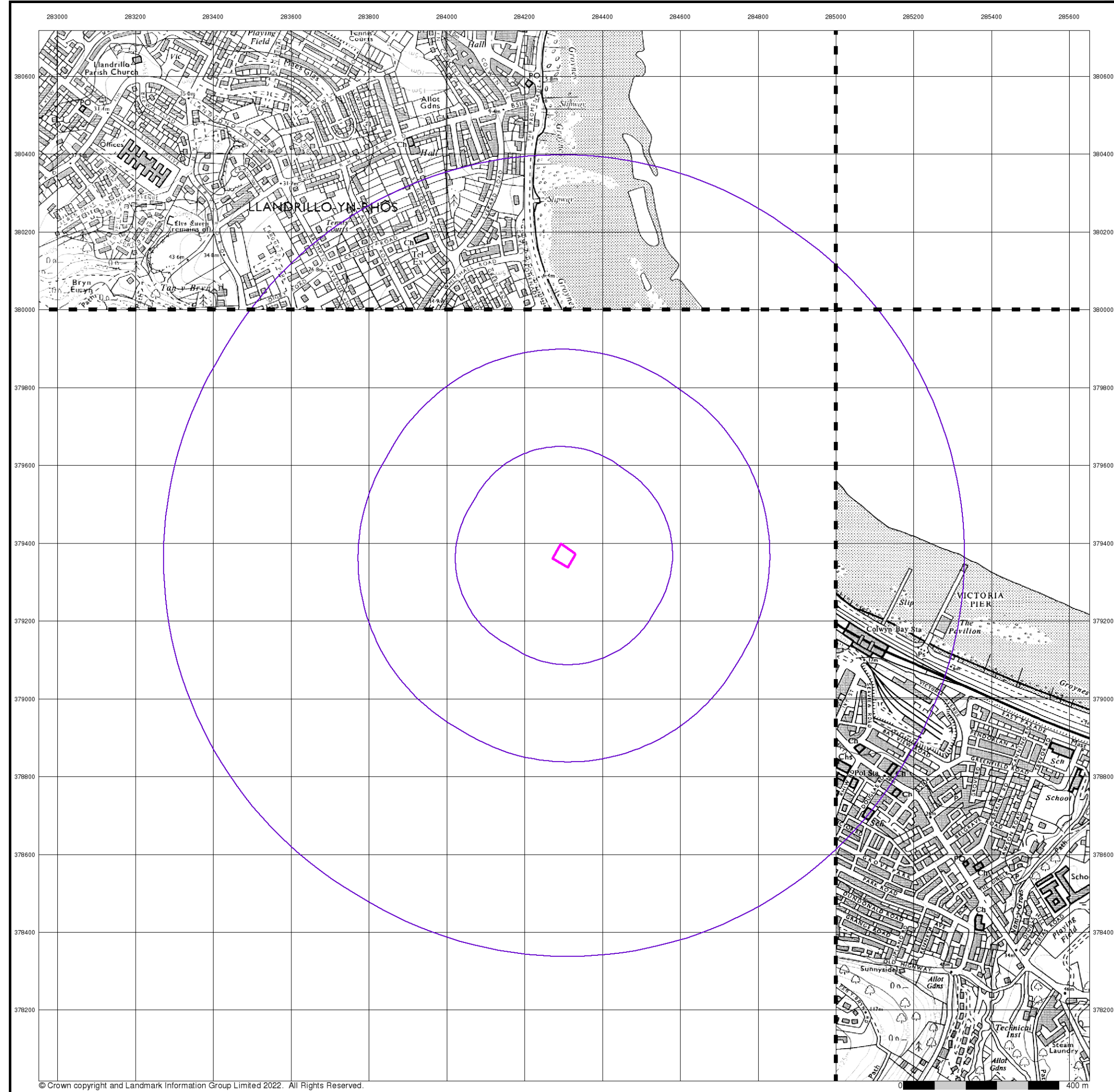
Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

**Site Details**

79-81, Conway Road, COLWYN BAY, LL29 7LN



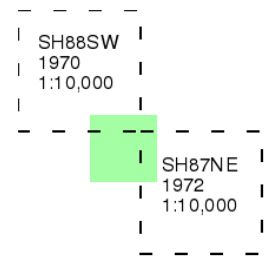
Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: www.envirocheck.co.uk



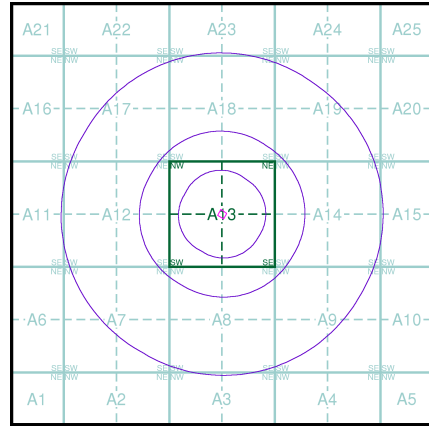
**Ordnance Survey Plan**  
**Published 1970 - 1972**  
**Source map scale - 1:10,000**

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)**

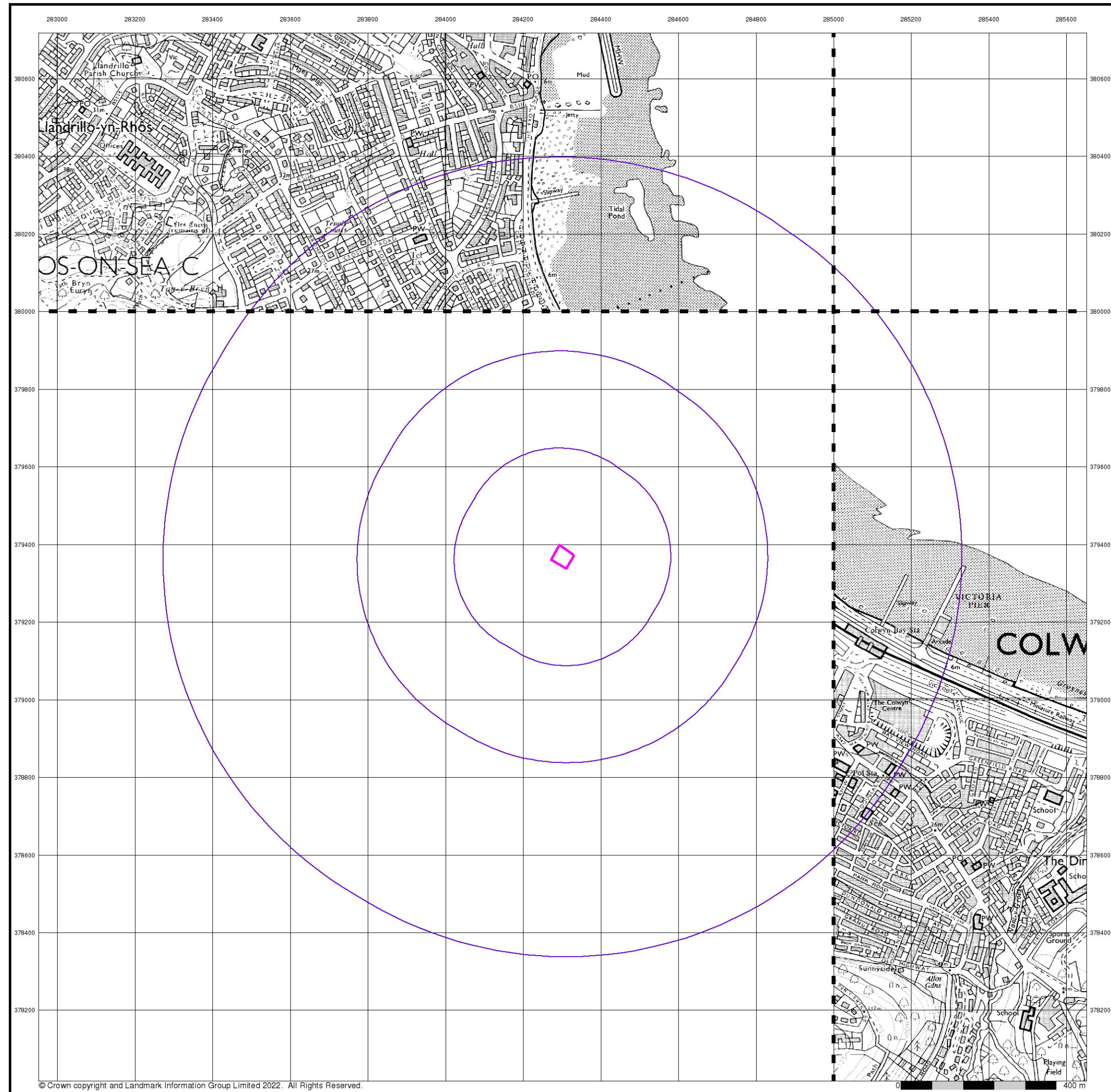


**Historical Map - Slice A**



**Order Details**  
Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

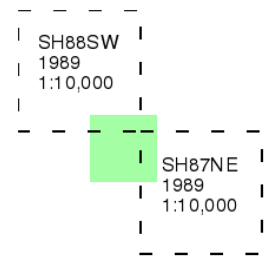
**Site Details**  
79-81, Conway Road, COLWYN BAY, LL29 7LN



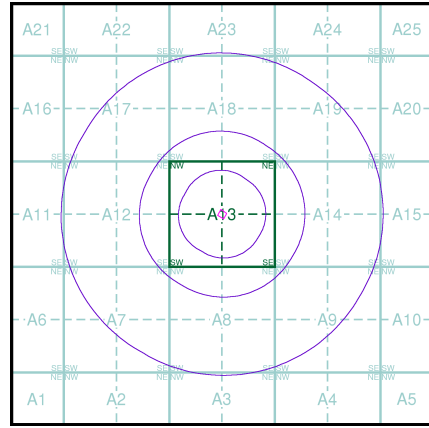
**Ordnance Survey Plan**  
**Published 1989**  
**Source map scale - 1:10,000**

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)**

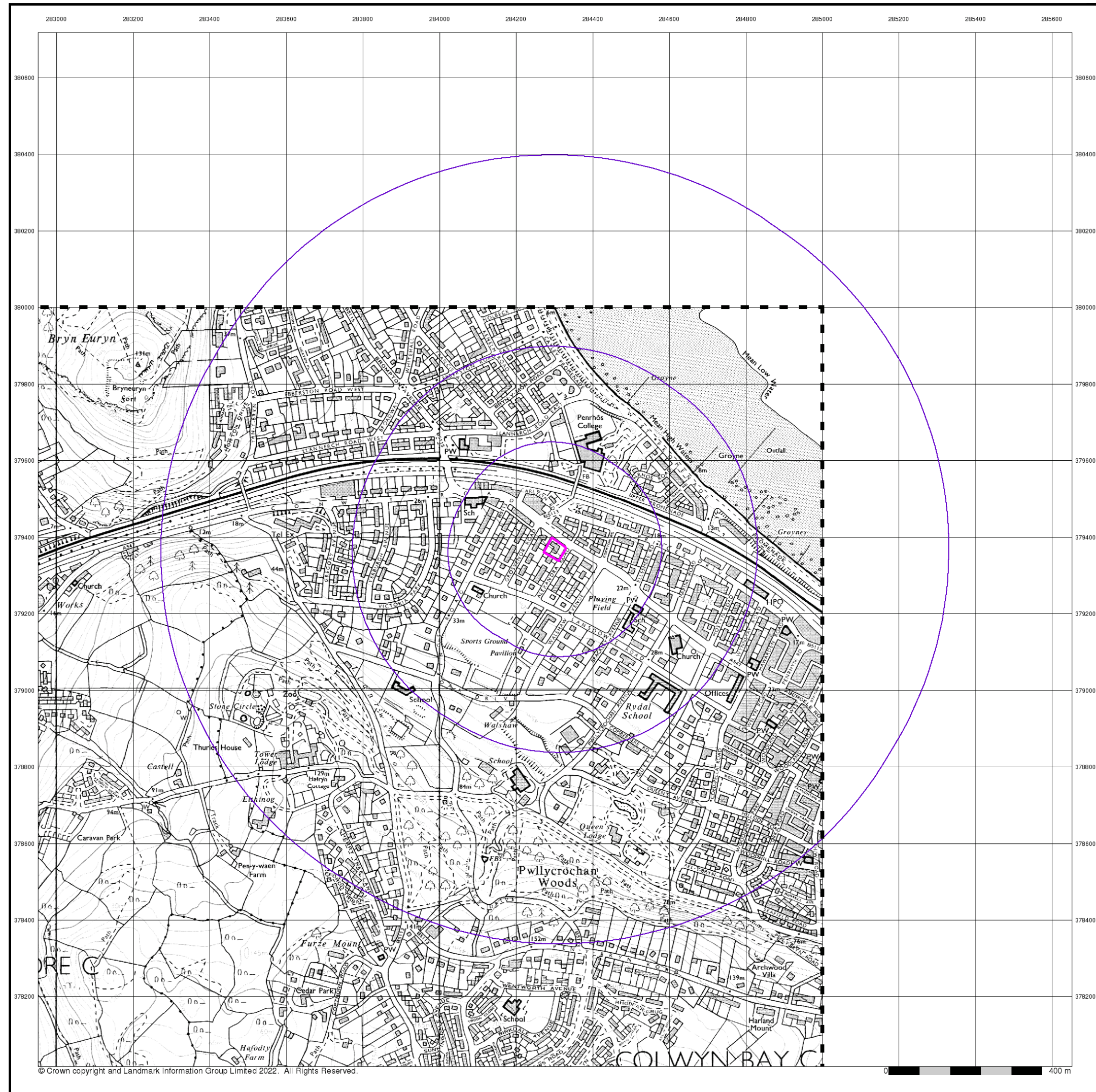


**Historical Map - Slice A**



**Order Details**  
Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

**Site Details**  
79-81, Conway Road, COLWYN BAY, LL29 7LN



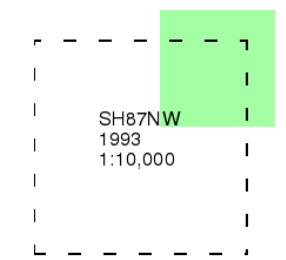
## Ordnance Survey Plan

### Published 1993

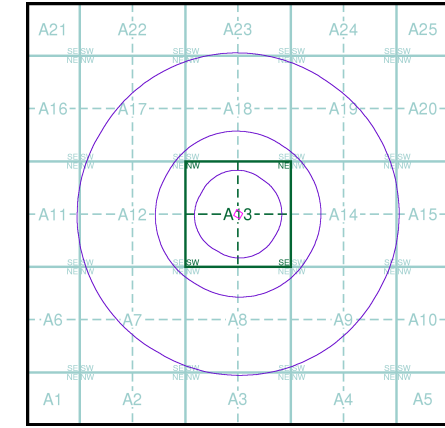
### Source map scale - 1:10,000

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: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN



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



## 10k Raster Mapping

Published 2000

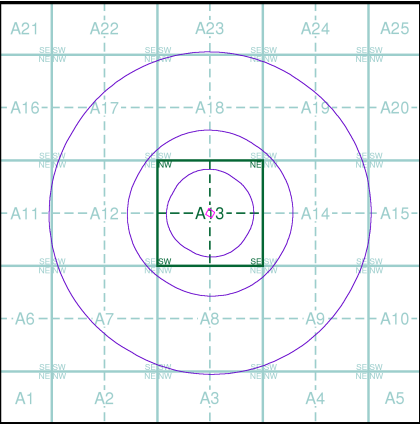
Source map scale - 1:10,000

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)

SH88SW		
2000		
1:10,000		
SH87NW	SH87NE	
2000	2000	
1:10,000	1:10,000	

### Historical Map - Slice A



### Order Details

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN

**Landmark**  
INFORMATION GROUP

Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)



## 10k Raster Mapping

Published 2006

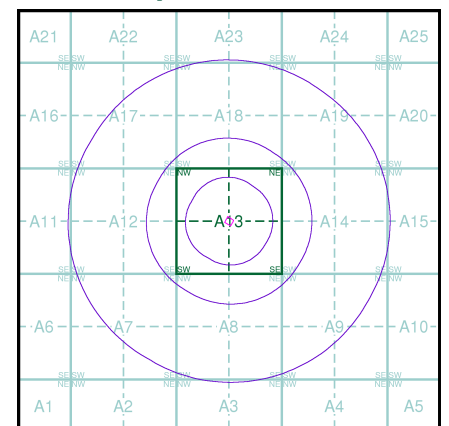
Source map scale - 1:10,000

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)

SH88SW		
2006		
1:10,000		
SH87NW	SH87NE	
2006	2006	
1:10,000	1:10,000	

### Historical Map - Slice A



### Order Details

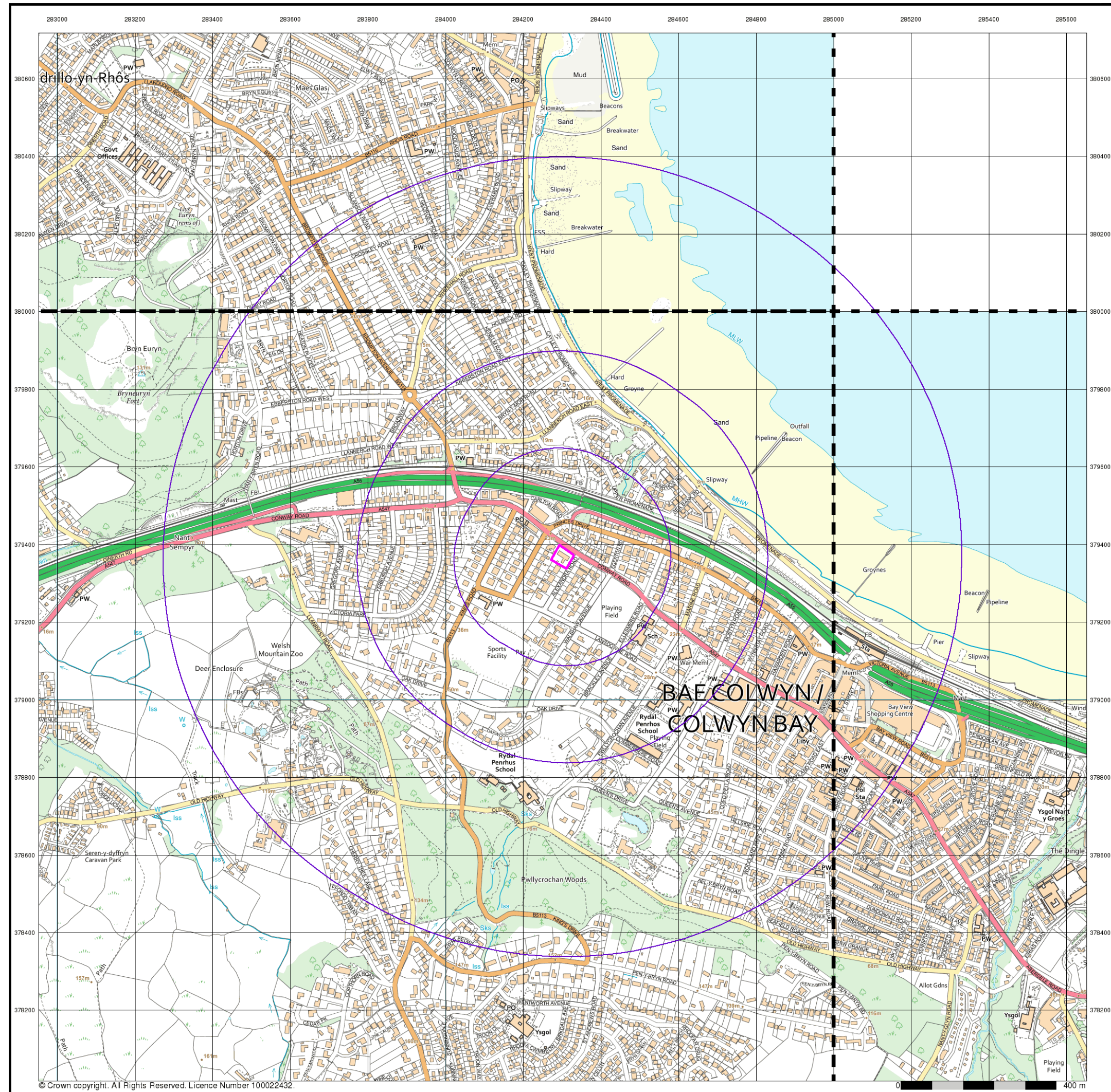
Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

### Site Details

79-81, Conway Road, COLWYN BAY, LL29 7LN

**Landmark**  
INFORMATION GROUP

Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

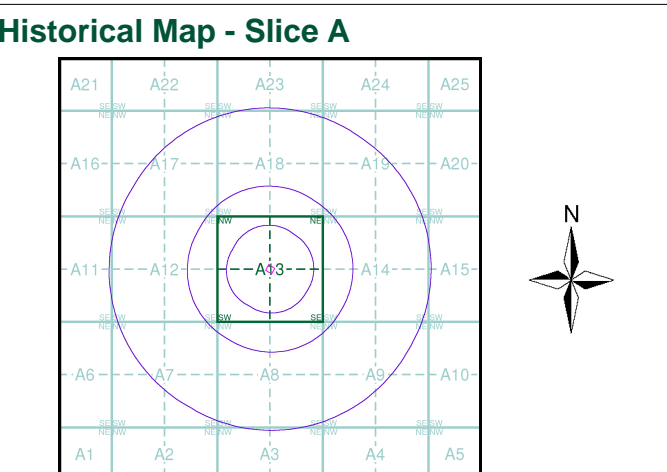


**VectorMap Local**  
**Published 2022**  
**Source map scale - 1:10,000**

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)**

SH88SW	2022	Variable
SH87NW	2022	Variable
SH87NE	2022	Variable



**Order Details**

Order Number: 303519721\_1\_1  
Customer Ref: 32999LG  
National Grid Reference: 284300, 379370  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

**Site Details**  
79-81, Conway Road, COLWYN BAY, LL29 7LN

**Landmark**  
INFORMATION GROUP

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

## Appendix B – Linesearch & Services

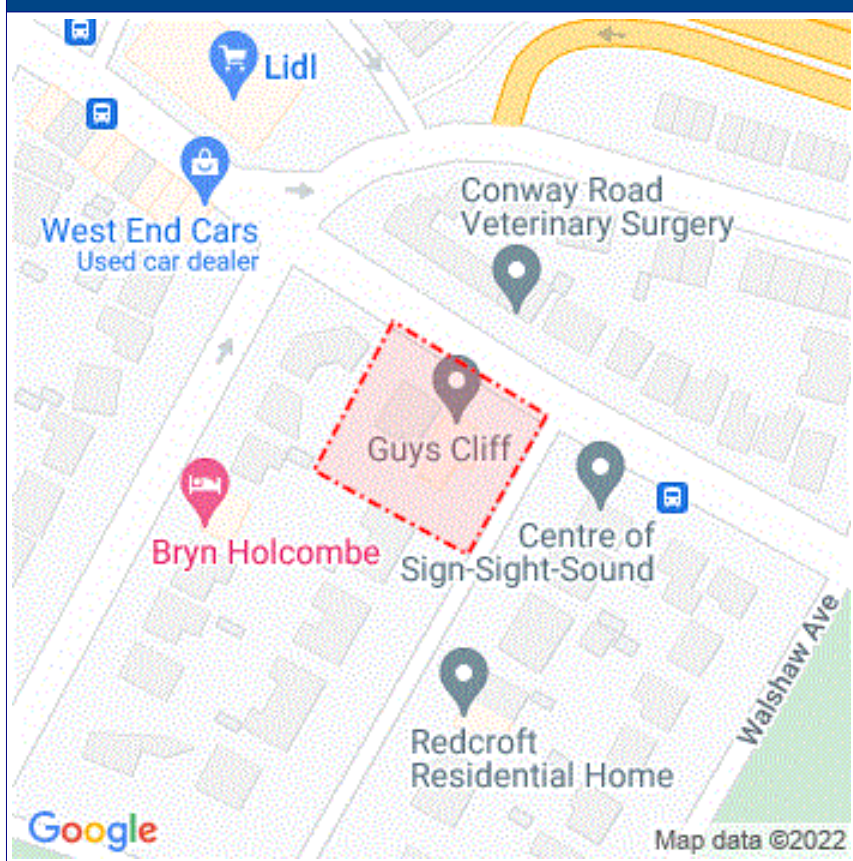
**Enquirer**

Name	Mr Ethan Davies	Phone	07713745469
Company	Sutcliffe	Mobile	07713745469
Address	18-20 Harrington Street Liverpool Merseyside L2 9QA		
Email	ethan.davies@sutcliffe.co.uk		

**Enquiry Details**

Scheme/Reference	32999LG		
Enquiry type	Planned Works	Work category	Excavations Non Utility
Start date	28/11/2022	Work type	Multiple excavations site (deeper th
End date	16/12/2022	Site size	2583 metres square
Searched location	XY= 284300, 379370	Work type buffer*	50 metres
Confirmed location	284302 379369		
Site Contact Name	Alex Tosh	Site Phone No	07773 797569
Description of Works			

\* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

**Site Map**


## Asset Owners

**Terms and Conditions.** Please note that this enquiry is subject always to our standard terms and conditions available at [www.lineasearchbeforeudig.co.uk](http://www.lineasearchbeforeudig.co.uk) ("Terms of Use") and the disclaimer at the end of this document. Please note that in the event of any conflict or ambiguity between the terms of this Enquiry Confirmation and the Terms of Use, the Terms of Use shall take precedence.

**Notes.** Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.

**Validity and search criteria.** The results of this enquiry are based on the confirmed information you entered and are valid only as at the date of the enquiry. It is your responsibility to ensure that the Enquiry Details are correct, and LineasearchbeforeUdig accepts no responsibility for any errors or omissions in the Enquiry Details or any consequences thereof. LSBUD Members update their asset information on a regular basis so you are advised to consider this when undertaking any works. It is your responsibility to choose the period of time after which you need to resubmit any enquiry but the maximum time (after which your enquiry will no longer be dealt with by the LSBUD Helpdesk and LSBUD Members) is 28 days. If any details of the enquiry change, particularly including, but not limited to, the location of the work, then a further enquiry must be made.

**Asset Owners & Responses.** Please note the enquiry results include the following:

1. "LSBUD Members" who are asset owners who have registered their assets on the LSBUD service.
2. "Non LSBUD Members" are asset owners who have not registered their assets on the LSBUD service but LSBUD is aware of their existence. Please note that there could be other asset owners within your search area.

Below are three lists of asset owners:

1. LSBUD Members who have assets registered within your search area. ("Affected")
  - a. These LSBUD Members will either:
    - i. Ask for further information ("Email Additional Info" noted in status). The additional information includes: Site contact name and number, Location plan, Detailed plan (minimum scale 1:2500), Cross sectional drawings (if available), Work Specification.
    - ii. Respond directly to you ("Await Response"). In this response they may either send plans directly to you or ask for further information before being able to do so, particularly if any payments or authorisations are required.
2. LSBUD Members who do not have assets registered within your search area. ("Not Affected")
3. Non LSBUD Members who may have assets within your search area. Please note that this list is not exhaustive and all details are provided as a guide only. It is your responsibility to identify and consult with all asset owners before proceeding.

**LSBUD Members who have assets registered on the LSBUD service within the vicinity of your search area.**

List of affected LSBUD members			
Asset Owner	Phone/Email	Emergency Only	Status
SP Energy Networks	08452734444	08000929290 / 105	Await response
Wales and West Utilities	02920278912	0800111999	Await response
Zayo Group UK Ltd c/o JSM Group Ltd	01992 655 919	0800 169 1646	Await response

**LSBUD Members who do not have assets registered on the LSBUD service within the vicinity of your search area. Please be aware that LSBUD Members make regular changes to their assets and this list may vary for new enquiries in the same area.**

List of not affected LSBUD members		
Angus Energy	AWE Pipeline	B & D Energy Limited
Balfour Beatty Investments Limited	BOC Limited (A Member of the Linde Group)	Box Broadband
BP Exploration Operating Company Limited	BPA	Cadent Gas
Carrington Gas Pipeline	CATS Pipeline c/o Wood Group PSN	Cemex
Centrica Storage Ltd	CNG Services Ltd	Concept Solutions People Ltd
ConocoPhillips (UK) Teesside Operator Ltd	D.S.Smith	Diamond Transmission Corporation
DIO (MOD Abandoned Pipelines)	DIO (MOD Live Pipelines)	E.ON UK CHP Limited
EDF Energy Renewables Ltd	EirGrid	Eleclink Limited
Electricity North West Limited	Energy Assets Networks	ENI & Himor c/o Penspen Ltd
EnQuest NNS Limited	EP Langage Limited	ESP Utilities Group
ESSAR	Esso Petroleum Company Limited	euNetworks Fiber UK Ltd
EXA Infrastructure	Exolum Pipeline System	Fulcrum Electricity Assets Limited
Fulcrum Pipelines Limited	Gamma	Gas Networks Ireland (UK)
Gateshead Energy Company	Gigaclear Ltd	Harbour Energy
Heathrow Airport LTD	Humbly Grove Energy	IGas Energy
INEOS FPS Pipelines	INEOS Manufacturing (Scotland and TSEP)	INOVYN ChlorVinyls Limited
INOVYN Enterprises Limited	Intergen (Coryton Energy or Spalding Energy)	Jurassic Fibre Ltd
Last Mile	Mainline Pipelines Limited	Manchester Jetline Limited
Manx Cable Company	Marchwood Power Ltd (Gas Pipeline)	Melbourn Solar Limited
Moray East Offshore Windfarm	Murphy Utility Assets	National Grid Electricity Distribution
National Grid Electricity Transmission	National Grid Gas Transmission	Neos Networks
Northumbrian Water Group	NPower CHP Pipelines	NTT Global Data Centers EMEA UK Ltd
NYnet Ltd	Ogi	Oikos Storage Limited
Ørsted	Palm Paper Ltd	Perenco UK Limited (Purbeck Southampton Pipeline)
Petroineos	Phillips 66	Portsmouth Water
Premier Transmission Ltd (SNIP)	Redundant Pipelines - LPDA	RWE - Great Yarmouth Pipeline (Bacton to Great Yarmouth Power Station)
RWEnpower (Little Barford and South Haven)	SABIC UK Petrochemicals	SAS Utility Services Ltd

Scottish and Southern Electricity Networks	Scottish Power Generation	Seabank Power Ltd
SES Water	SGN	Shell
Shell NOP	Squire Energy Networks	SSE Generation Ltd
SSE Transmission	SSE Utility Solutions Limited	Tata Communications (c/o JSM Construction Ltd)
Total Colnbrook Pipelines	Total Finaline Pipelines	Transmission Capital
UK Power Networks	Uniper UK Ltd	University of Cambridge Granta Backbone Network
Vattenfall	Veolia ES SELCHP Limited	Veolia ES Sheffield Ltd
Voneus Limited	VPI Power Limited	West of Duddon Sands Transmission Ltd
Westminster City Council		

The following Non-LSBUD Members may have assets in your search area. It is **YOUR RESPONSIBILITY** to contact them before proceeding. Please be aware this list is not exhaustive and it is your responsibility to identify and contact all asset owners within your search area.

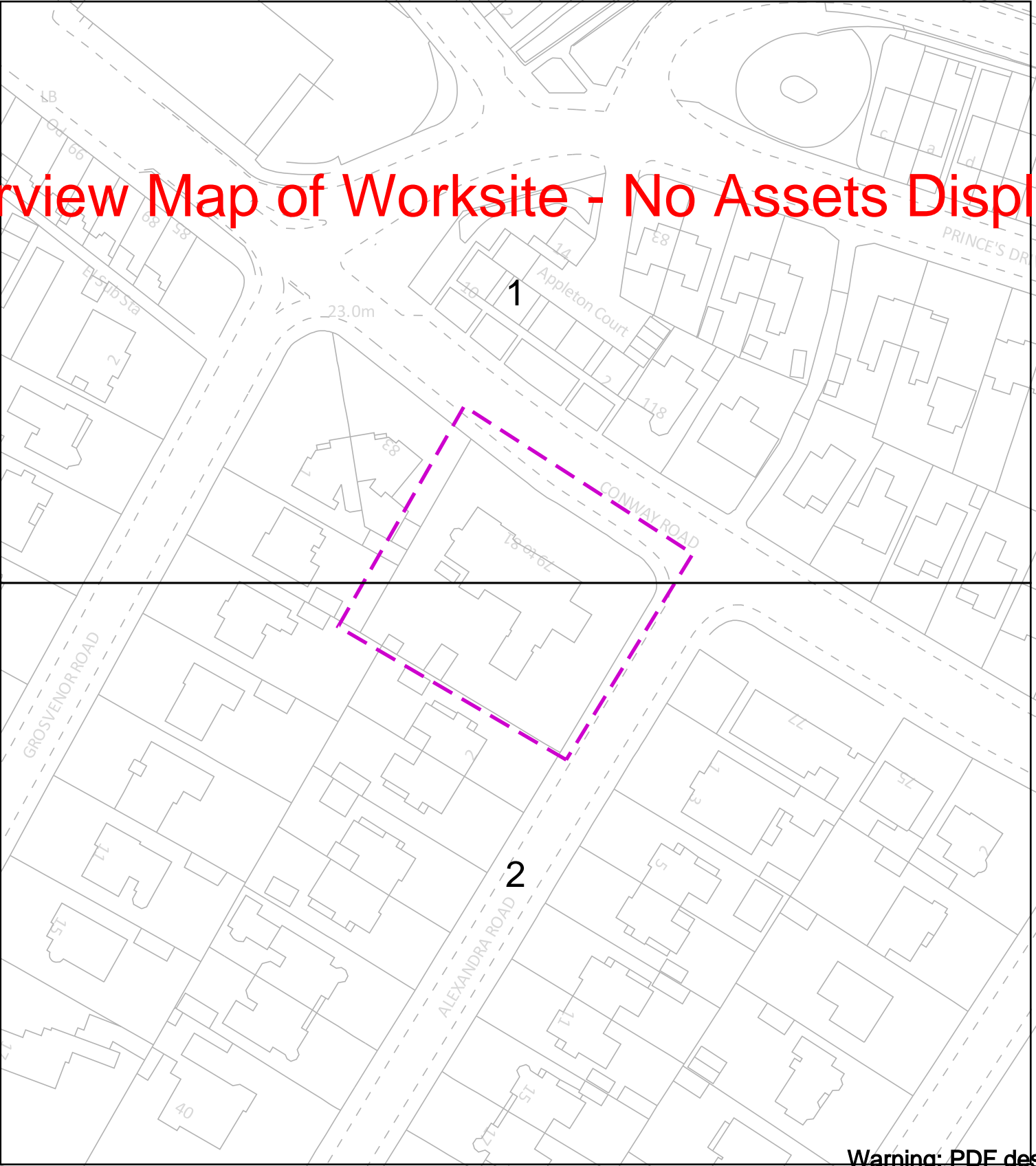
Non-LSBUD members (Asset owners not registered on LSBUD)			
Asset Owner	Preferred contact method	Phone	Status
BT	<a href="https://www.swns.bt.com/pls/mbe/welcome.home">https://www.swns.bt.com/pls/mbe/welcome.home</a>	08000232023	Not Notified
CityFibre	<a href="mailto:asset.team@cityfibre.com">asset.team@cityfibre.com</a>	033 3150 7282	Not Notified
Colt	<a href="mailto:plantenquiries@catelecomuk.com">plantenquiries@catelecomuk.com</a>	01227768427	Not Notified
Conwy CBC (Highways Maintenance)	<a href="mailto:highwaymaintenance@conwy.gov.uk">highwaymaintenance@conwy.gov.uk</a>	01492575442	Not Notified
Conwy CBC (Street Lighting)	<a href="mailto:street.lighting@conwy.gov.uk">street.lighting@conwy.gov.uk</a>	01492575489	Not Notified
Dwr Cymru Welsh Water	<a href="https://contact.dwrcymru.com/en">https://contact.dwrcymru.com/en</a>	0800 917 2652	Not Notified
Equans	<a href="mailto:nrswa.uk@equans.com">nrswa.uk@equans.com</a>	0800 130 3600	Not Notified
GTC	<a href="https://pe.gtc-uk.co.uk/PlantEnqMembership">https://pe.gtc-uk.co.uk/PlantEnqMembership</a>	01359240363	Not Notified
Lumen Technologies	<a href="mailto:plantenquiries@instalcom.co.uk">plantenquiries@instalcom.co.uk</a>	02087314613	Not Notified
Mobile Broadband Network Limited	<a href="mailto:mbnl.plant.enquiries@turntown.com">mbnl.plant.enquiries@turntown.com</a>	01212 621 100	Not Notified
Sota	<a href="mailto:SOTA.plantenquiries@instalcom.co.uk">SOTA.plantenquiries@instalcom.co.uk</a>		Not Notified
Utility assets Ltd	<a href="mailto:assetrecords@utilityassets.co.uk">assetrecords@utilityassets.co.uk</a>		Not Notified
Verizon Business	<a href="mailto:osp-team@uk.verizonbusiness.com">osp-team@uk.verizonbusiness.com</a>	01293611736	Not Notified
Virgin Media	<a href="http://www.digdat.co.uk">http://www.digdat.co.uk</a>	08708883116	Not Notified
Vodafone	<a href="mailto:osm.enquiries@atkinsglobal.com">osm.enquiries@atkinsglobal.com</a>	01454662881	Not Notified

## Disclaimer

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The results of this Enquiry are personal to the Enquirer and shall not be shared with or relied upon by any other party. The asset information on which the Enquiry results are based has been provided by LSBUD Members, therefore LineasearchbeforeUdig will provide no guarantee that such information is accurate or reliable nor does it monitor such asset information for accuracy and reliability going forward. There may also be asset owners which do not participate in the enquiry service operated by LineasearchbeforeUdig, including but not exclusively those set out above. Therefore, LineasearchbeforeUdig cannot make any representation or give any guarantee or warranty as to the completeness of the information contained in the enquiry results or accept any responsibility for the accuracy of the mapping images used. LineasearchbeforeUdig and its employees, agents and consultants accept no liability (save that nothing in this Enquiry Confirmation excludes or limits our liability for death or personal injury arising from our negligence, or our fraud or fraudulent misrepresentation, or any other liability that cannot be excluded or limited by English law) arising in respect thereof or in any other way for errors or omissions including responsibility to any person by reason of negligence.

# Overview Map of Worksite - No Assets Displayed



Warning: PDF designed for A3 colour print only with no page scaling

## IMPORTANT NOTICES

- This information shown on this plan is indicative only and its accuracy cannot be guaranteed.
- The plan only shows assets owned by SP Energy Networks.
- Positions and depths of cables may have altered since being recorded. A line on a plan may represent more than one cable. Normally electric cables are laid at depths between 450mm and 1m but depths may have changed if land surface levels have since altered.
- The plan may not show, or may inaccurately show, individual property services and services to street lighting installations. Underground services may be found in roads, footpaths and on sites. Always assume that they are present for each property, lamp column and street sign etc and treat any services found anywhere as live.
- You must use safe digging practices in accordance with HSG47 to establish the actual position of mains cables, services and other apparatus before any mechanical excavation is used.
- Where overhead lines cross your site, you must comply with the requirements of Health & Safety Executive guidance as laid down in GS6, Avoidance of Danger from Overhead Electric Lines.
- Any works that fall within 5m of any 132kv or Transmission cables, or within 15m of any 132kV or Transmission OHL's, please contact our General Enquiries Team 0845 273 4444 / 0330 10 10 444 for further safety advice.
- In the event of an emergency or for further assistance contact 0800-092-9290 (Central & Southern Scotland) or 0800-001-5400 (Merseyside, Cheshire & North Wales) or by dialling 105
- It is your responsibility to ensure this information is provided to all persons working near our plant.

Date Requested: 09/11/2022  
Job Reference: 27544051  
Site Location: 284302 379369  
Requested by:  
Mr Ethan Davies  
Your Scheme/Reference:  
32999LG

Scale: 1:1025 (When plotted at A3)

## Underground Cables

In Use

Out of Use

Assumed Route

Warning - Shallow Cables

Dig Sites

Area:

Line:

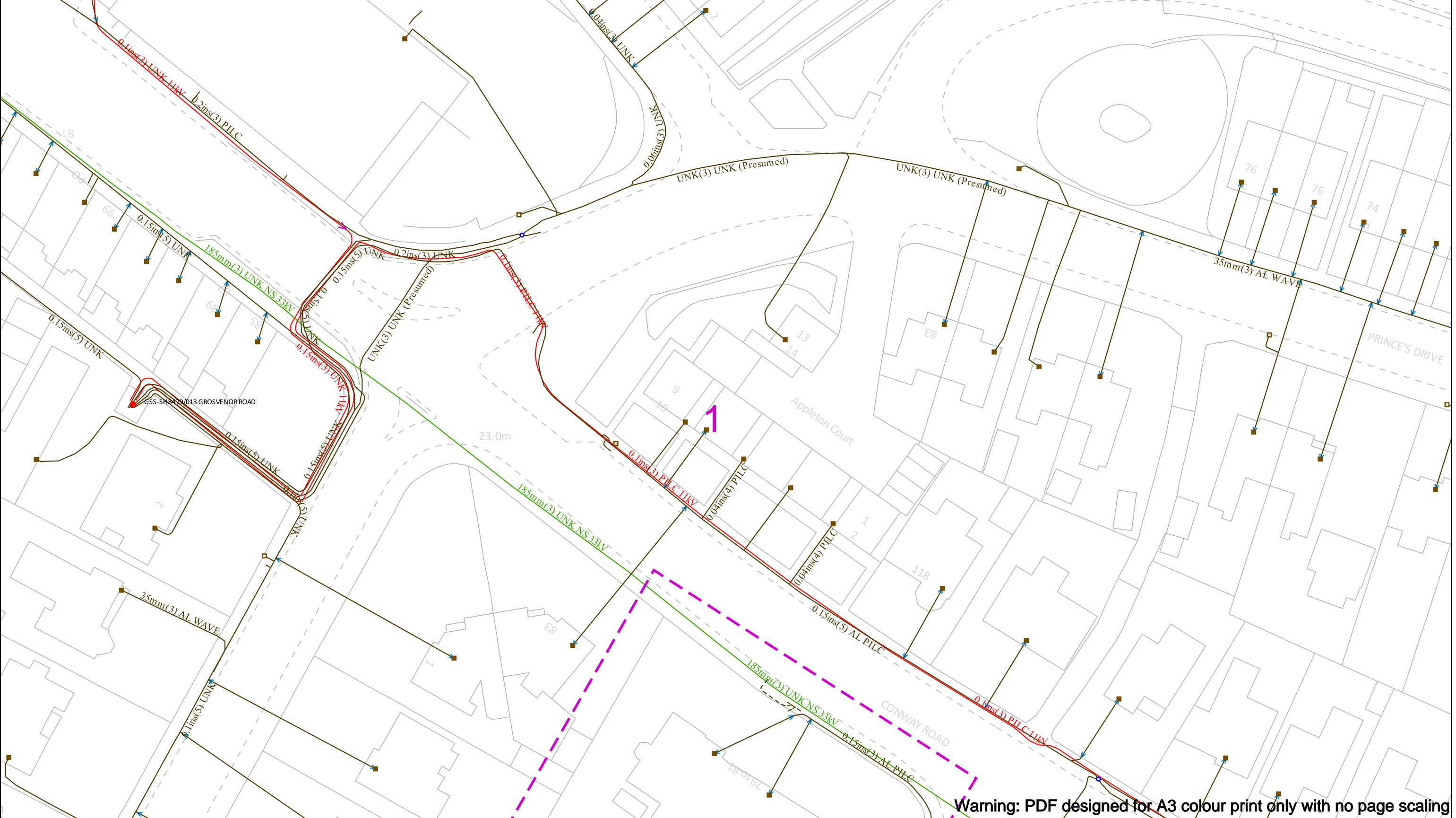


## Overhead Line

Legend for Overhead Lines showing symbols for LV (solid black line), HV (6kV/6.6kV) (solid black line), HV (22kV/11kV) (solid black line), EHV (33kV) (solid black line), Trans (132kV/275kV/400kV) (solid black line), Non Power Cable (solid black line), and Duct (solid black line).

Legend for Overhead Lines showing symbols for LV (solid black line), HV (6kV/6.6kV) (solid black line), HV (22kV/11kV) (solid black line), EHV (33kV) (solid black line), Trans (132kV/275kV/400kV) (solid black line), Non Power Cable (solid black line), and Duct (solid black line).





Warning: PDF designed for A3 colour print only with no page scaling

Date Requested: 09/11/2022  
Job Reference: 27544051  
Site Location: 284302 379369  
Requested by:  
Mr Ethan Davies  
Your Scheme/Reference:  
32999LG

Scale: 1:500 (When plotted at A3)

**IMPORTANT NOTICES**

- This information shown on this plan is indicative only and its accuracy cannot be guaranteed.
- The plan only shows assets owned by SP Energy Networks.
- Positions and depths of cables may have altered since being recorded. A line on a plan may represent more than one cable. Normally electric cables are laid at depths between 450mm and 1m but depths may have changed if land surface levels have since altered.
- The plan may not show, or may inaccurately show, individual property services and services to street lighting installations. Underground services may be found in roads, footpaths and on sites. Always assume that they are present for each property, lamp column and street sign etc and treat any services found anywhere as live.
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- It is your responsibility to ensure this information is provided to all persons working near our plant.

100m

**Underground Cables**

**In Use**

**Out of Use**

**Assumed Route**

**Warning - Shallow Cables**

**Dig Sites**

Area:

Line:

**Overhead Line**

LV

HV (6kV/6.6kV)

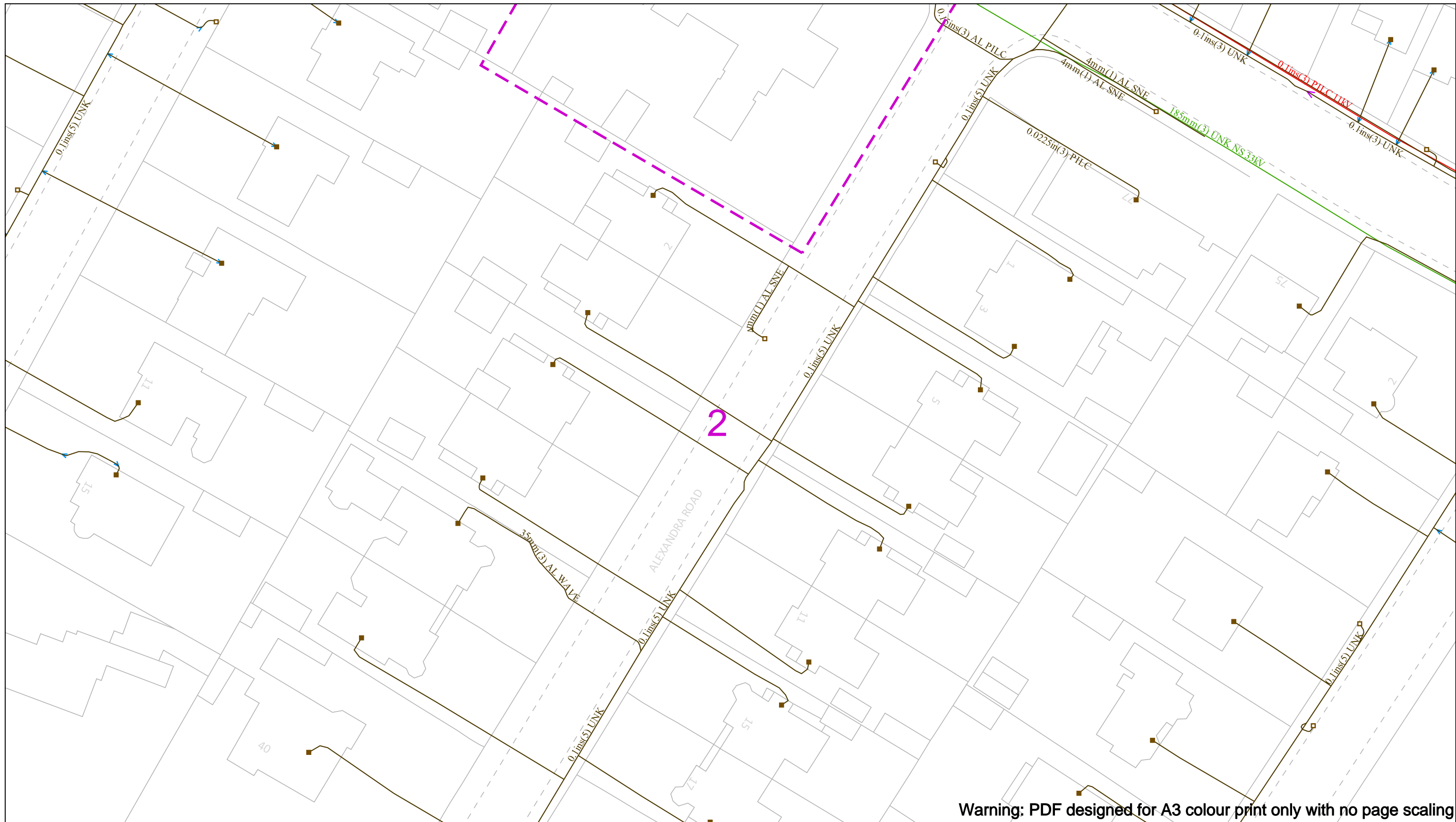
HV (22kV/11kV)

EHV (33kV)

Trans (132kV/275kV/400kV)

Non Power Cable

Duct



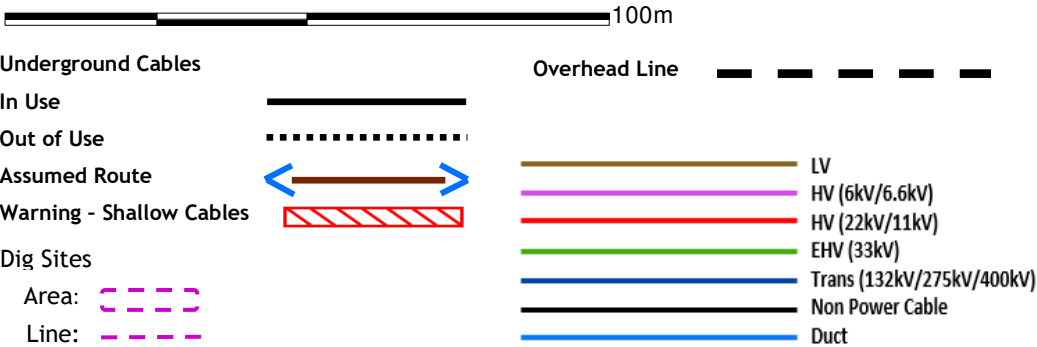
Warning: PDF designed for A3 colour print only with no page scaling

## IMPORTANT NOTICES

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- You must use safe digging practices in accordance with HS(G)47 to establish the actual position of mains cables, services and other apparatus before any mechanical excavation is used.
- Where overhead lines cross your site, you must comply with the requirements of Health & Safety Executive guidance as laid down in GS6, Avoidance of Danger from Overhead Electric Lines.
- Any works that fall within **5m** of any 132kv or Transmission cables, or within **15m** of any 132kV or Transmission OHL's, please contact our General Enquiries Team **0845 273 4444 / 0330 10 10 444** for further safety advice.
- In the event of an emergency or for further assistance contact **0800-092-9290 (Central & Southern Scotland)** or **0800-001-5400 (Merseyside, Cheshire & North Wales)** or by dialling **105**
- It is your responsibility to ensure this information is provided to all persons working near our plant.

Date Requested: 09/11/2022  
Job Reference: 27544051  
Site Location: 284302 379369  
Requested by:  
Mr Ethan Davies  
Your Scheme/Reference:  
32999LG

Scale: 1:500 (When plotted at A3)





Date Requested: 09/11/2022

Requested by: Ethan Davies

Company: Sutcliffe

Job Reference: 27544051

Your Scheme/Reference: 32999LG

— ZAYO DUCT  
 ■ or ■ ZAYO CHAMBER

Dig Sites: Line — Area ■■■■

Scale on A4 paper: 1:1000

**zayo**  
GROUP

4th Floor Harmsworth House  
 13-15 Bouverie Street  
 London EC4Y 8DP



JSM Group Ltd  
 Sterling House  
 Mutton Lane, Potters Bar  
 Hertfordshire, EN6 3AR  
 T: 01992 788 019

[zayoplantenquiries@jsmgroup.com](mailto:zayoplantenquiries@jsmgroup.com)

The information on this document is proprietary and shall not be used, copied, reproduced or disclosed in whole or in part without written consent of Zayo Group UK Ltd. Approximate location only is shown. To determine exact location a trial hole must be dug with a Zayo Group UK Ltd Supervisor present. Zayo Group UK Ltd and JSM Construction Ltd accept no liability for errors or omissions.



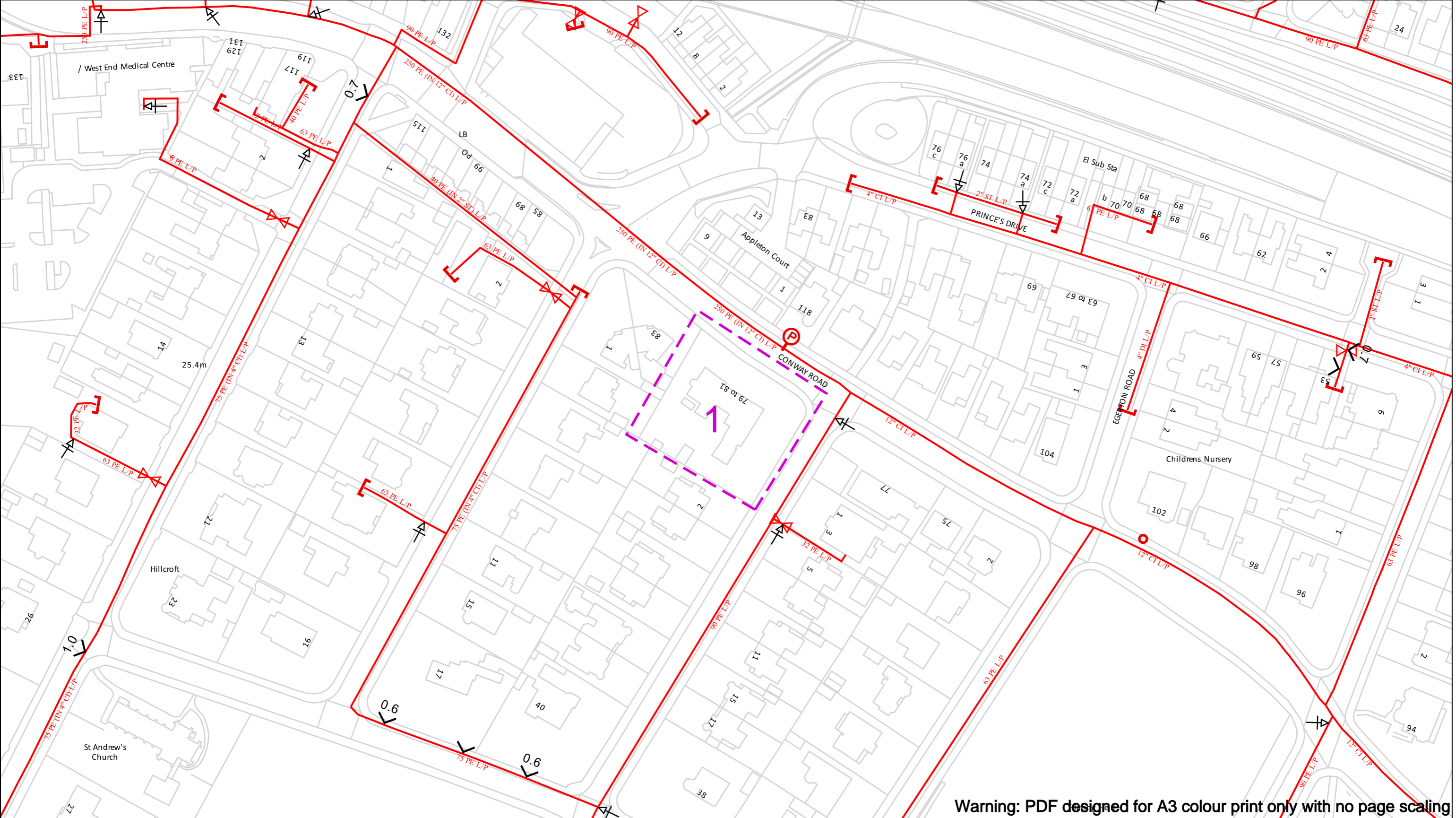
Protecting Lives, Cables & Pipes

Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed



In Emergency Only and if Zayo Plant or Cables damaged call: 0800 169 1646

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Contact Us  
Mapping Enquiries: 02920 278 912  
General Enquiries: 0800 912 2999

Date Requested: 09/11/2022  
Job Reference: 27544051  
Site Location: 284302 379369  
Requested by:  
Mr Ethan Davies  
Your Scheme/Reference: 32999LG

Scale: 1:1250 (When plotted at A3)

- IMPORTANT NOTICES
- This information is given as a guide only and its accuracy cannot be guaranteed
  - The plan only shows those pipes owned by Wales & West Utilities (WUU) as its role as a licensed Gas Transporter
  - Service pipes, valves, syphons, stub connections etc. may not be shown but their presence should be anticipated
  - You must use safe digging practices in accordance with HS(G)47 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used
  - It is your responsibility to ensure this information is provided to all persons working near our plant
  - If in doubt call the WUU dig team on 02920 278912

**In case of an emergency call 0800 111 999**

100m

**Dig Sites**

Area:	Line:
	Low Pressure (LP) 21mbar – 75mbar
	Medium Pressure (MP) 350mbar – 2bar
	Intermediate Pressure (IP) 2bar – 7bar
	High Pressure (HP) >7bar

Line/Fire Valve  
 Governor Station  
 Change of Diameter  
 End Cap  
 Depth of cover

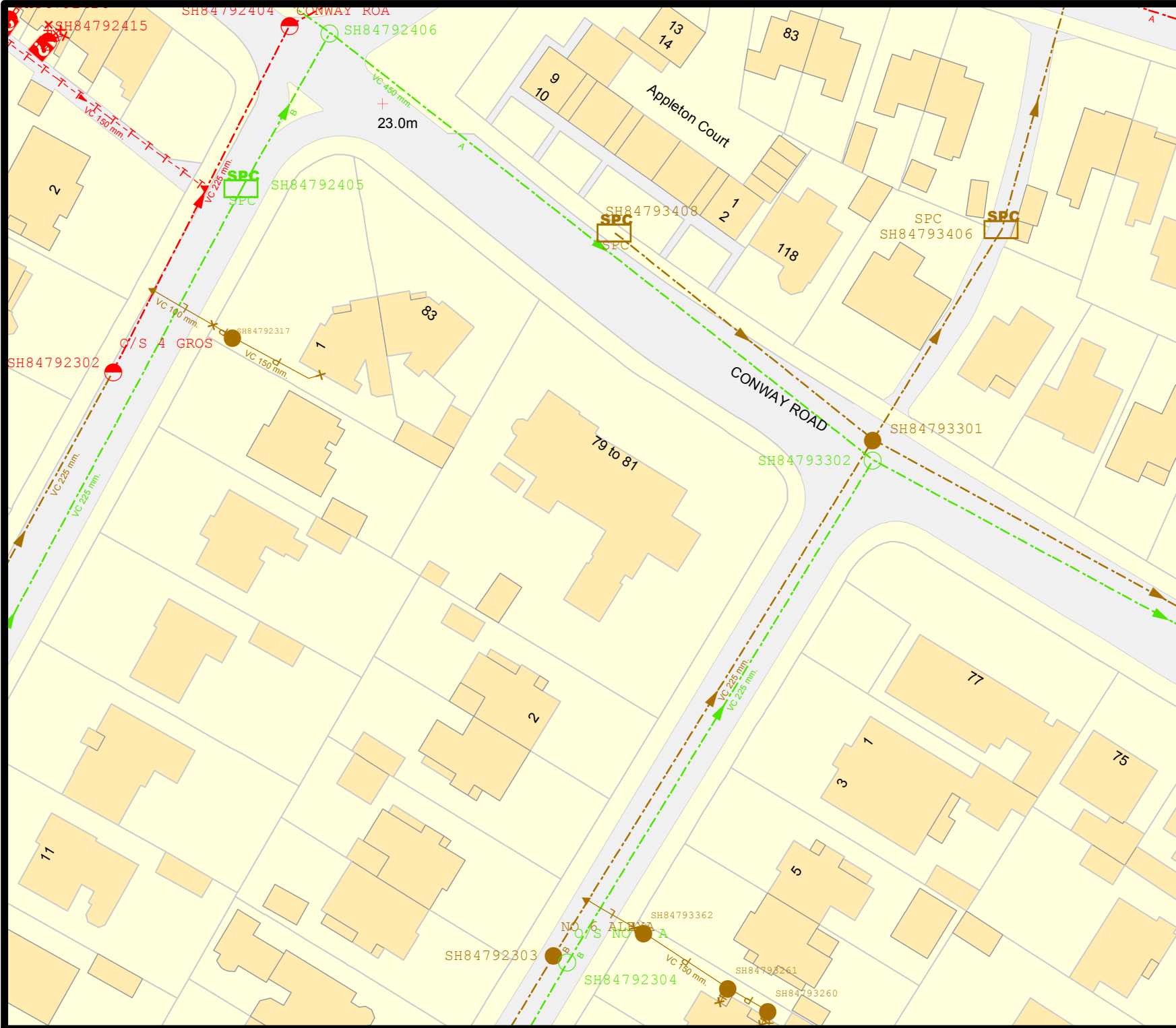
**Wales & West Utilities**

Smell gas?  
Call the Gas Emergency Service on  
0800 111 999.

**Dial before you dig**  
We need 10 days' notice

**Investigate**  
Before you dig, make sure you know what's below.

**Go ahead**  
Done your research? Now you can dig safely.



Dŵr Cymru  
Welsh Water

PPA0006948 Sewer Plan



#### LEGEND(Representative of most common features)

	Foul chamber		Outfall
	Surface water chamber		Lamphole
	Combined chamber		Storm Overflow
	Combined sewer overflow		Rising main
	Special purpose chamber		Gravity sewer
	Treatment works		Private sewer
	Pumping station		Private sewer subject to Sect. 104 adoption agreement
NB: Sewer symbol colour indicates the type.			Private Sewer Transfer
RED	- Combined		Lateral Drain
GREEN	- Surface Water		Inspection Chamber
BROWN	- Foul		
Purple	- Former S24 sewers (for indicative purposes only)		

#### Notes:

Whilst every reasonable effort has been taken to correctly record the pipe material of DCWW assets, there is a possibility that in some cases pipe material (other than Asbestos Cement or Pitch Fibre) may be found to be asbestos cement (AC) or Pitch Fibre (PF). It is therefore advisable that the possible presence of AC or PF pipes be anticipated and considered as part of any risk assessment prior to excavation.

Dŵr Cymru Cylindedig (the Company) gives this information as to the position of its underground apparatus by way of general guidance only and on the understanding that it is based on the best information available and is not warranted as to its correctness in the event of excavations or other works made in the vicinity of the Company's apparatus. The error of locating apparatus liable carrying out any excavations made entirely on your. The information which is supplied by the Company is done so in accordance with statutory requirements of sections 103 and 109 of the Water Industry Act 1991 which is based upon the best information available and, in particular, but without prejudice to the generality of the foregoing, it should be noted that the records that are available to the Company may not indicate the existence of water mains, service pipes, sewer, lateral drains or disposal mains and any associated apparatus laid before 1 September 1986, or if they are, the potential for their location and position may not be accurate. It must be understood that the furnishing of this information is entirely without prejudice to the provisions of the New Roads and Street Works Act 1991 and the Company's liability is compensated for any damage to be anticipated.

**EXACT LOCATIONS OF ALL APPARATUS  
TO BE DETERMINED ON SITE.**

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Map Ref: 284302.379367  
Map scale: 1:750  
Printed by: Chris Trower  
Printed on: 04 Aug 2022



Dŵr Cymru  
Welsh Water

PPA0006948 Water Plan



#### LEGEND(Representative of most common features)

##### Waste networks:

	Foul chamber		Outfall
	Surface water chamber		Lampole
	Combined chamber		Storm Overflow
	Combined sewer overflow		Rising main
	Special purpose chamber		Gravity sewer
	Treatment works		Private sewer
	Pumping station		Private sewer subject to Sect. 104 adoption agreement
NB: Sewer symbol colour indicates the type.			Private Sewer Transfer
RED	- Combined		Lateral Drain
GREEN	- Surface Water		Inspection Chamber
BROWN	- Foul		
Purple	- Former S24 sewers (for indicative purposes only)		

#### Notes:

Whilst every reasonable effort has been taken to correctly record the pipe material of DCWW assets, there is a possibility that in some cases pipe material (other than Asbestos Cement or Pitch Fibre) may be found to be asbestos cement (AC) or Pitch Fibre (PF). It is therefore advisable that the possible presence of AC or PF pipes be anticipated and considered as part of any risk assessment prior to excavation.

Dŵr Cymru Cylinddydd (the Company) gives this information as to the position of its underground apparatus by way of general guidance only and on the understanding that it is based on the best information available and is not warranty as to its correctness is relied upon in the event of excavations or other works made in the vicinity of the company's apparatus. The error of location of apparatus is liable to vary and any excavations made entirely on your. The information which is supplied by the Company is given in accordance with statutory requirements of sections 103 and 109 of the Water Industry Act 1991 which is based upon the best information available and, in particular, but without prejudice to the generality of the foregoing, it should be noted that the records that are available to the Company may not disclose the existence of water mains, service pipes, drains, lateral drains or disposal mains and any associated apparatus (as defined in Section 109(1) of the Water Industry Act 1991) which are not shown on the records. It must be understood that the furnishing of this information is entirely without prejudice to the provisions of the New Roads and Street Works Act 1991 and the Company's rights to be compensated for any damage to its apparatus.

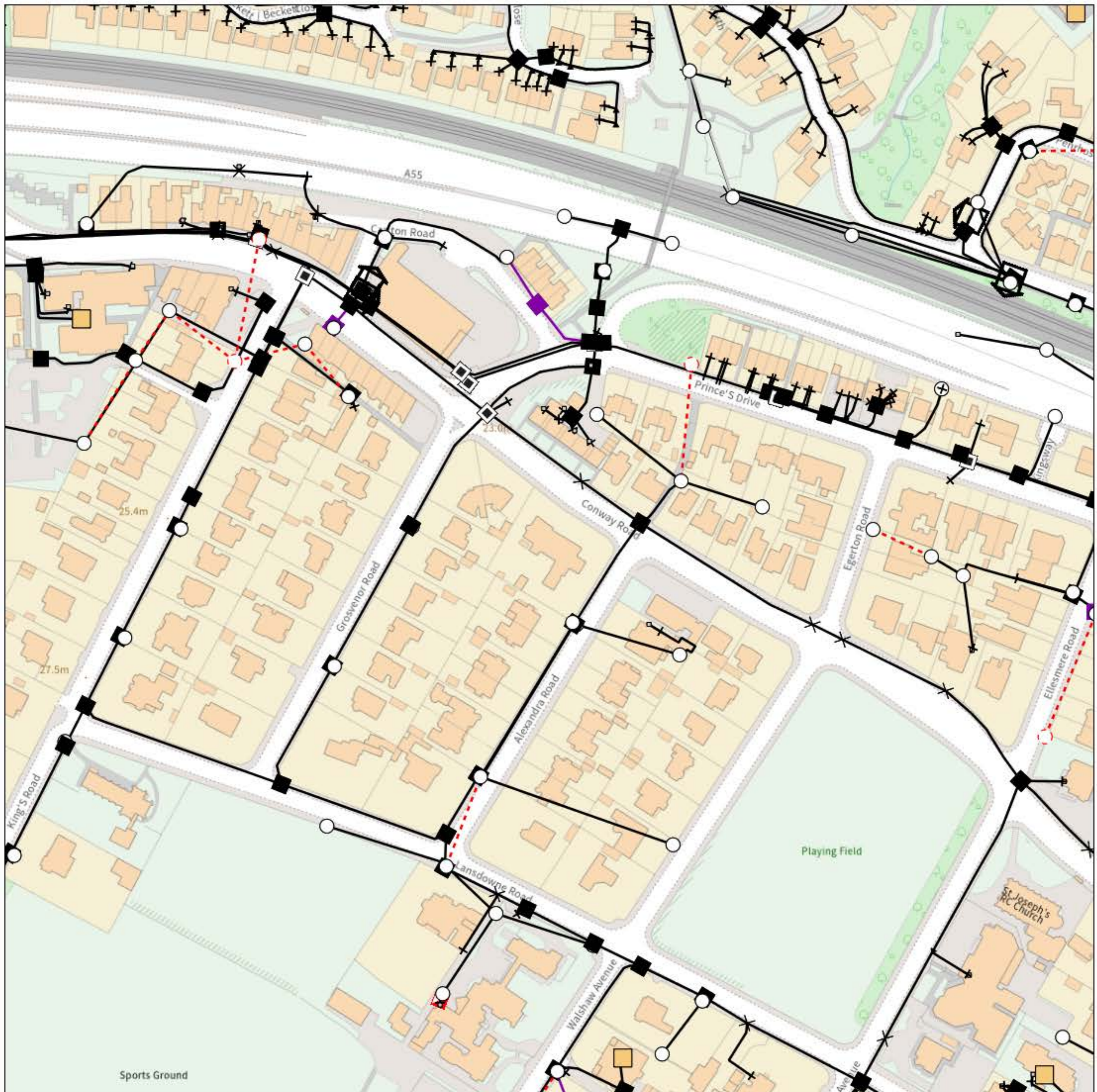
Service pipes are not generally shown but their presence should be anticipated.

**EXACT LOCATIONS OF ALL APPARATUS  
TO BE DETERMINED ON SITE.**

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Map Ref: 284302,379367  
Map scale: 1:750  
Printed by: Chris Trower  
Printed on: 04 Aug 2022

# Maps by email Plant Information Reply



## IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.



**openreach**

### CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email [cbyd@openreach.co.uk](mailto:cbyd@openreach.co.uk)

ADVANCE NOTICE REQUIRED  
(Office hours: Monday - Friday 08.00 to 17.00)  
[www.openreach.co.uk/cbyd](http://www.openreach.co.uk/cbyd)

### Accidents happen

If you do damage any Openreach equipment please let us know by calling 0800 023 2023 (opt 1 + opt 1) and we can get it fixed ASAP

## KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	×	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : AMH090930

Map Reference : (centre) SG8430079370

Easting/Northing : (centre) 284300,379370

Issued : 09/11/2022 09:09:49

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**WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: [nnhc@openreach.co.uk](mailto:nnhc@openreach.co.uk)**

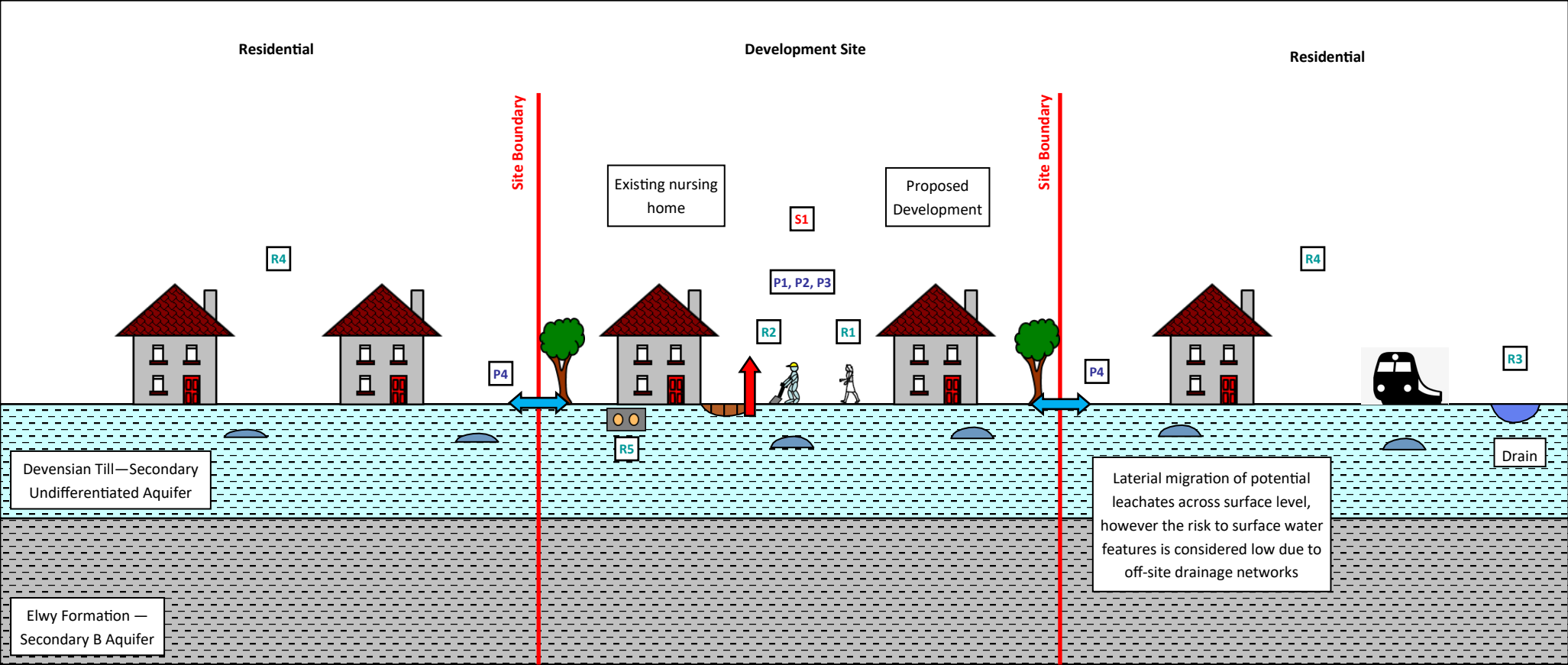
## Appendix C – Detailed Site Historical Review

Appendix C- Detailed Historical Maps Review		
Date/Scale	Features On-site	Features Off-site
1875 1:2,500	The earliest historical map notes no buildings were on site. The site consists of field land.	Paths are noted to the north and west boundaries of the site. Trees are noted on the paths and roads surrounding the site. The east and south of the site consists of field land. A brick works is located approximately 80m to the north of the site. A railway line is located approximately 135m to the north of the site.
1879 1:10,560	Site is unchanged.	Site is unchanged.
1900 1:2,500	Site is unchanged.	The brick works is noted to be demolished by this point. Old clay pits are noted to be 55m north of the site and 130m north west of the site. Ponds are also noted to be within the clay pits
1900 1:10,560	Site is unchanged.	Residential expansion is noted approximately 300m east and south of the site. A school is also noted to be 250m north west of the site with a pond located on the schools grounds.
1913 1:2,500	One residential building was noted to be built on site.	Residential expansion is noted to the south, east and north of the site, with roads located to the west and south east. Other residential buildings surrounding the site are also noted. The old clay pits and pond near the school are noted to be infilled.
1914 1:10,560	Site is unchanged.	A high level pumping station is located approximately 675m south west of site. General residential expansion is noted around the site.
1937 1:2,500	An extra residential building is noted to be built on site.	No major changes are noted.
1937-1938 1:10,560	Site is unchanged.	No major changes are noted.
1953 – 1954 1:10,560	Site is unchanged.	No major changes are noted.
1958 – 1959 1:2,500	Site is unchanged.	No major changes are noted.

Appendix D- Detailed Historical Maps Review		
Date/Scale	Features On-site	Features Off-site
1958 – 1987 1:1,250	Site is unchanged.	No major changes are noted.
1963 – 1964 1:10,000	Site is unchanged.	No major changes are noted.
1987 1:1,250	Site is unchanged.	No major changes are noted.
1993 1:10,000	Site is unchanged.	No major changes are noted.
1994 1:1,250	Site is unchanged.	No major changes are noted.
2000 1:10,000	Site is unchanged.	No major changes are noted.
2000 1:10,000	Site is unchanged.	No major changes are noted.
2006 1:10,000	Site is unchanged.	No major changes are noted.
2022 1:10,000	Site is unchanged.	No major changes are noted.

## Figure 4 – Preliminary Conceptual Site Model

Preliminary Conceptual Site Model (CSM)



Contamination Source	
S1	Made Ground/Hydrocarbon leaks—Onsite
Legend	
	Infilled / Made Ground
	Hydrocarbon leaks from vehicle parking
	Underground Services
	Inferred Perched Water Table

Receptor	
R1	Future Site Users
R2	Construction Workers
R3	Controlled Waters
R4	Adjacent Site Users
R5	Infrastructure & Buried Services

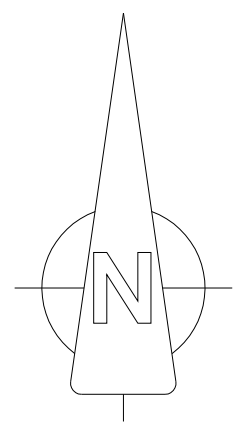
Pathway	
	Direct Contact / Ingestion
	Leachate Migration
	Ground Gas Migration
P1	Direct Contact
P2	Ingestion
P3	Inhalation
P4	Leaching & Migration
P5	Vertical & Lateral migration of Ground Gas

	Client: Wales and West Housing		
	Project: 32999-SUT-ZZ-00-RP-G-7101		
	Site: Guys Cliff, Colwyn Bay		
Preliminary Conceptual Site Model (CSM)	Draft	1	Scale (at A3): Not to scale
	Issue	1	
Issuing Office: Liverpool	Drawing number: 1		Version: A
Telephone: 0151 227 3155			

**Drawing Ref: 22.252 – P03 Rev A (Proposed Site Plan)**



NOTES:  
ALL DIMENSIONS TO BE CHECKED AND CONFIRMED ON SITE PRIOR TO ANY WORKS OR FABRICATION.  
DO NOT SCALE OFF THIS DRAWING.  
ANY ERRORS, OMISSIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF MUNRO ASSOCIATES IMMEDIATELY.



**LEGEND**

- ASPHALT ROAD AND PARKING BAYS
- PAVING
- SOFT LANDSCAPING
- STONE BOUNDARY WALLS
- NEW RETAINING WALLS

A	Oct 22	Building Floor Plan updated	MC
REV	DATE	DESCRIPTION	BY

Drawing Status  
**PRELIMINARY**



**munro**  
associates

Unit 29, The Rural Enterprise Centre, Stafford Drive,  
Battfield Enterprise Park, Shrewsbury, SY1 3FE  
T: 01743 341438 E: design@munroassociates.com

www.munro-associates.com

Client  
Wales & West Housing

Project  
Proposed Redevelopment of  
Guys Cliffe  
69-81 Conway Rd  
Colwyn Bay  
LL29 7LN

Scale  
1:250 @ A3

Date  
SEP 22

Drawn  
MRC

Drawing title  
**PROPOSED SITE PLAN**

Project No.	Drawing No.	Revision
<b>22.252</b>	<b>P03</b>	<b>A</b>

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Registered in England and Wales  
Registration No. 08117820      Vol No. 650 8829 15

**GROUND FLOOR: 6 NO. 1 BED APARTMENTS**  
**FIRST FLOOR: 1 NO. 2 BED APARTMENT**  
**SECOND FLOOR: 8 NO. 1 BED APARTMENTS**

**TOTAL: 23 NO.**