

ENCLOSURE A
ENVIRONMENTAL DISCLOSURE REPORT

Envirocheck Report

52212038–1–1

Site Sensitivity Map (large scale – plot buffer 100 m)

Site Sensitivity Map (small scale – search buffer 1000 m)

EA Detailed River Network Map

Flood Map

Groundwater Vulnerability Map

Bedrock Aquifer Designation

Superficial Aquifer Designation

Source Protection Zones

Sensitive Land Uses

Borehole Map

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

52212038_1_1

Customer Reference:

A3188-13

National Grid Reference:

275540, 197560

Slice:

A

Site Area (Ha):

1.21

Search Buffer (m):

1000

Site Details:

Neath Town Centre Redevelopment
Gnoll Park Road
NEATH
West Glamorgan
SA11 3QZ

Client Details:

P Eldred
Environmental Scientifics Group Limited
Glossop House
Hogwood Lane
Finchampstead
Wokingham, Berkshire
RG40 4QW

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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 and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

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

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1	8	18
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 7			4	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 8		Yes		
Pollution Incidents to Controlled Waters	pg 8			9	18
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 13		1	1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 13				(*8)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 15	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 15		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 15		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 16	Yes	Yes	Yes	n/a
Detailed River Network Offline Drainage	pg 22			Yes	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 23				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 23				2
Local Authority Recorded Landfill Sites	pg 23				1
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 24				1
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 25				1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 25				1
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 26	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 26	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 41		1	4	11
BGS Urban Soil Chemistry	pg 44		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 47	Yes			
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 47	Yes	n/a	n/a	n/a
Mining Instability	pg 47	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 47	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 47		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 48	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 48	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 48		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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 49		17	30	35
Fuel Station Entries	pg 55			2	2
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo.Pt E.To Gnoll Brook Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: BW2902101 Permit Version: 1 Effective Date: 8th November 1972 Issued Date: 8th November 1972 Revocation Date: 31st March 2003 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Gnoll Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	235	1	275700 197300
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Cso No 38 O/S Public Health Office, Dyfed Road, Neath Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: Bp0303901 Permit Version: 1 Effective Date: 5th March 2003 Issued Date: 5th March 2003 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: The Afon Nedd Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (N)	252	1	275516 197897
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Gnoll Park Road Cso Gnoll Park Rd, Gnoll Park Road, Neath, Neath Port Talbot Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: Bp0353801 Permit Version: 1 Effective Date: 31st March 2006 Issued Date: 31st March 2006 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Neath Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (N)	253	1	275516 197898
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Fairfield Outfall Ty'N-Y-Caeau Neat, Ty'N-Y-Caeau Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bp0064307 Permit Version: 3 Effective Date: 29th March 1996 Issued Date: 28th March 1996 Revocation Date: 31st December 1997 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters Of River Neat Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A13NW (N)	263	1	275470 197900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Fairfield Outfall Ty'N-Y-Caeau Neat, Ty'N-Y-Caeau Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bp0064307 Permit Version: 2 Effective Date: 28th November 1992 Issued Date: 28th August 1992 Revocation Date: 28th March 1996 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters Of River Neat Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A13NW (N)	263	1	275470 197900
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Fairfield Outfall Ty'N-Y-Caeau Neat, Ty'N-Y-Caeau Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bp0064307 Permit Version: 1 Effective Date: 24th November 1987 Issued Date: 24th November 1987 Revocation Date: 27th November 1992 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters Of River Neat Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A13NW (N)	263	1	275470 197900
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Fairfield Ps Prince Of Wales Drive, Prince Of Wales Drive Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: BP0255701 Permit Version: 1 Effective Date: 31st December 1997 Issued Date: 19th September 1996 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: River Neath Estuarial Waters Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A13NW (N)	282	1	275440 197910
3	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cadoxton Road Cso Cadoxton Road, Neath, Neath Port Talbot Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: Bp0353601 Permit Version: 1 Effective Date: 31st March 2006 Issued Date: 31st March 2006 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Neath Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	485	1	275189 197982

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Lidl Uk Gmbh Property Type: Sewerage Network - Pumping Station - Water Company Location: Vale Of Neath Retail Park Ps, Cadoxton Road, Neath, Sa10 7ay Authority: Environment Agency, Welsh Region Catchment Area: Not Given Reference: BP027170101 Permit Version: 1 Effective Date: 21st August 1998 Issued Date: 21st August 1998 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Neath Estuary Via Culvert Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	514	1	275157 197990
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Quay Road Ps Town Centre Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: BP0256201 Permit Version: 1 Effective Date: 7th January 1997 Issued Date: 19th September 1996 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters River Neath Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m	A12NE (W)	499	1	275000 197750
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Point F. Neath South Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bb4000506 Permit Version: 1 Effective Date: 8th November 1972 Issued Date: 8th November 1972 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: River Neath Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NE (W)	521	1	274980 197760
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Neath Road Bridge West Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bp0064313 Permit Version: 1 Effective Date: 9th October 1987 Issued Date: 9th October 1987 Revocation Date: 28th August 1992 Discharge Type: Unspecified Discharge: Tidal Waters Environment: Receiving Water: River Neath - Tidal Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NE (W)	543	1	274970 197790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 33 Cimla Road Cimla Neath, Cimla, Neath Port Talbot Cbc Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bw2903701 Permit Version: 2 Effective Date: 1st April 2004 Issued Date: 31st March 2004 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Gnoll Brook Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	542	1	275929 197083
6	Discharge Consents Operator: Glenville Davies Property Type: Mobile Plant Location: Davies Skips Ltd 6 Canal Rd Neath, 6 Canal Road, Neath Port Talbot, Sa11 1lj Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: Bp0315401 Permit Version: 1 Effective Date: 19th December 2003 Issued Date: 19th December 2003 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: The Afon Nedd Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SE (W)	553	1	274905 197500
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo Point A N.West Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: BB4000503 Permit Version: 1 Effective Date: 8th November 1972 Issued Date: 8th November 1972 Revocation Date: 31st March 2003 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: River Neath Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	652	1	276090 198020
8	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Romanway Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bp0064314 Permit Version: 1 Effective Date: 9th October 1987 Issued Date: 9th October 1987 Revocation Date: 28th August 1992 Discharge Type: Unspecified Discharge: Tidal Waters Environment: Receiving Water: River Neath - Tidal Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12SW (W)	663	1	274800 197450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo At Cimla Rd - Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: BW2903701 Permit Version: 1 Effective Date: 6th March 1967 Issued Date: 6th March 1967 Revocation Date: 31st March 2004 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Gnoll Brook Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A8SE (SE)	677	1	275840 196880
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Llantwit Church Ty'N-Y-Caeau Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bp0064308 Permit Version: 3 Effective Date: 29th March 1996 Issued Date: 28th March 1996 Revocation Date: 31st December 1997 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters Of River Neat Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	699	1	276150 198020
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Llantwit Church Ty'N-Y-Caeau Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bp0064308 Permit Version: 2 Effective Date: 28th November 1992 Issued Date: 28th August 1992 Revocation Date: 28th March 1996 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters Of River Neat Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	699	1	276150 198020
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Llantwit Church Ty'N-Y-Caeau Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bp0064308 Permit Version: 1 Effective Date: 9th October 1987 Issued Date: 9th October 1987 Revocation Date: 27th November 1992 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters Of River Neat Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	699	1	276150 198020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Llantwit Ps Llantwit Church Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: BP0255801 Permit Version: 1 Effective Date: 31st December 1997 Issued Date: 19th September 1996 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters River Neath Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	703	1	276170 198000
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Gunsight Overflow (Swo 11)-Nea Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: BW2902401 Permit Version: 1 Effective Date: 8th November 1972 Issued Date: 8th November 1972 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Neath Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A12SW (W)	814	1	274690 197270
12	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Gunisights Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bp0064315 Permit Version: 1 Effective Date: 9th October 1987 Issued Date: 9th October 1987 Revocation Date: 28th August 1992 Discharge Type: Unspecified Discharge: Tidal Waters Environment: Receiving Water: River Neath - Tidal Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A7NW (W)	847	1	274670 197230
12	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo Pnt U.Sth Roman Way Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: BB4000509 Permit Version: 1 Effective Date: 8th November 1972 Issued Date: 8th November 1972 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Neath Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	850	1	274680 197200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Church Road Cso Church Road Neath, Church Road, Cadoxton Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: Bp0353501 Permit Version: 1 Effective Date: 31st March 2006 Issued Date: 31st March 2006 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Tennant Canal Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NE (N)	925	1	275796 198535
14	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Cso 32 Nr St Joeseph Church, Cook Rees Avenue, Neath Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bw2903601 Permit Version: 2 Effective Date: 6th March 2003 Issued Date: 5th March 2003 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Eastland Brook Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A3NW (S)	964	1	275522 196547
14	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo Nr St Joseph Church - Neat Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: BW2903601 Permit Version: 1 Effective Date: 6th March 1967 Issued Date: 6th March 1967 Revocation Date: 5th March 2003 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Eastland Brook Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A3NE (S)	972	1	275540 196540
15	Local Authority Pollution Prevention and Controls Name: Wm Morrison Supermarkets Plc Location: Angel Street, NEATH, West Glamorgan, SA11 1RS Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/67 Dated: 1st October 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	354	2	275294 197902
16	Local Authority Pollution Prevention and Controls Name: Hanson Services Location: 55 Windsor Road, Neath, Sa11 1ng Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/118 Dated: 24th August 2006 Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning Status: Authorised Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	408	2	275163 197251

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Local Authority Pollution Prevention and Controls Name: Centre Garage Location: 15A Rectory Road, NEATH, West Glamorgan, SA11 1ET Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/29 Dated: 26th September 1991 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorised Positional Accuracy: Automatically positioned to the address	A8NW (SW)	447	2	275229 197139
18	Local Authority Pollution Prevention and Controls Name: Neath Service Station Location: Windsor Road, NEATH, West Glamorgan, SA11 1LT Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/72 Dated: 26th February 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	493	2	275178 197119
18	Local Authority Pollution Prevention and Controls Name: Electron Filling Station Location: 113-125 Windsor Road, NEATH, West Glamorgan, SA11 1NS Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/82 Dated: 8th April 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A8NW (SW)	516	2	275201 197075
19	Local Authority Pollution Prevention and Controls Name: Sandvik Osprey Ltd Location: Red Jacket Works, Millands Road, NEATH, West Glamorgan, SA11 1NJ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/27 Dated: 17th November 1995 Process Type: Local Authority Air Pollution Control Description: PG6/35 Metal and other thermal spraying processes Status: Authorised Positional Accuracy: Automatically positioned to the address	A7NW (SW)	844	2	274794 197017
20	Local Authority Pollution Prevention and Controls Name: Tarmac Topmix Ltd Location: Briton Ferry Industrial Estate, Briton Ferry, NEATH, West Glamorgan, SA11 1NJ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	986	2	274694 196913
	Nearest Surface Water Feature	A13NW (N)	155	-	275529 197801
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Roundabout By, Safeways Near, Riverside Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 2nd August 1994 Incident Reference: 21297 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	256	1	275600 197895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Pollution Incidents to Controlled Waters Property Type: Other Location: 14 Park Avenue, Maes Yr Afon Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Deliberate Act Incident Date: 2nd February 1995 Incident Reference: 23042 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	261	1	275600 197900
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Safeways Garage, Riverside Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 6th September 1994 Incident Reference: 21047 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	349	1	275300 197900
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: From Llantwit Church, NEATH Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 20th June 1996 Incident Reference: 28930 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	351	1	275500 197995
23	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Surface Runoff Location: Church Neath, B And Q Stores, LLANTWIT Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 20th June 1996 Incident Reference: 28930 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	356	1	275500 198000
24	Pollution Incidents to Controlled Waters Property Type: Other Location: Opposite, Safeways Neath Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 31st March 1992 Incident Reference: 4011 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	354	1	275600 197995
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Adjacent To Parr Avenue, NEATH Authority: Environment Agency, Welsh Region Pollutant: Cesspit Contents Note: Not Supplied Incident Date: 16th January 1996 Incident Reference: 27136 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	355	1	275605 197995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Adjacent To, Parr Avenue, NEATH Authority: Environment Agency, Welsh Region Pollutant: Cesspit Contents Note: Not Supplied Incident Date: 16th January 1996 Incident Reference: 27136 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	359	1	275600 198000
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Riverbank, Opp B And Q, Neath British Authority: Environment Agency, Welsh Region Pollutant: Sullage Note: Not Supplied Incident Date: 26th September 1991 Incident Reference: 1574 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	369	1	275900 197300
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: NEATH Authority: Environment Agency, Welsh Region Pollutant: Foam/Soap Suds Note: Weather Incident Date: 21st April 1996 Incident Reference: 28071 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	A12NE (NW)	521	1	275001 197801
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Stephens Ship Hire, Canalside Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 9th April 1992 Incident Reference: 4525 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	558	1	274900 197500
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Culvert Through, Mill Pond, NEATH Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 15th November 1996 Incident Reference: 30502 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	575	1	274900 197400
29	Pollution Incidents to Controlled Waters Property Type: Waste Handling Facilities Location: Down Stream Of, Quay Road Pumping Station Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Deliberate Act Incident Date: 11th February 1992 Incident Reference: 3153 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	657	1	274800 197500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Other Location: Below Quay Road Authority: Environment Agency, Welsh Region Pollutant: Sewage - Septic Tank Effluent Note: Inadequate Design/Capacity Incident Date: 11th February 1992 Incident Reference: 3019 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	672	1	274800 197400
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Adjacent To, The Hollies, Cimla Neath Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Not Supplied Incident Date: 10th May 1996 Incident Reference: 28859 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	676	1	276200 197200
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Adjacent To The Hollies, Cilycwm, NEATH Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Other Organic Note: Not Supplied Incident Date: 10th May 1996 Incident Reference: 28859 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	679	1	276200 197195
32	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Dark Arches Nightclub, Commercial Street Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accidental Spillage/Leakage Incident Date: 18th May 1995 Incident Reference: 24217 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	A7NE (SW)	698	1	275001 197001
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Under Old Bridge, Along Footbridge Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 19th June 1996 Incident Reference: 28932 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	701	1	275001 198096
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bridge Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 19th June 1996 Incident Reference: 28932 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	705	1	275001 198101

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Jeff Lewis, Transport, Milllands Road Authority: Environment Agency, Welsh Region Pollutant: Chlorinated Water Note: Inadequate Design/Capacity Incident Date: 15th November 1995 Incident Reference: 26712 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	A8SW (S)	714	1	275400 196800
35	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Canal Overflows, To Neath At, Tonna Lock Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 2nd July 1995 Incident Reference: 25058 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	714	1	276100 198100
36	Pollution Incidents to Controlled Waters Property Type: Other Location: A465 River, Crossing Into, NEATH Authority: Environment Agency, Welsh Region Pollutant: Rubbish Note: Not Supplied Incident Date: 30th July 1991 Incident Reference: 1327 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	795	1	274700 197300
37	Pollution Incidents to Controlled Waters Property Type: Road (Lost Load) Location: Dwrfein Road Authority: Environment Agency, Welsh Region Pollutant: Farm Land Run-Off Note: Accidental Spillage/Leakage Incident Date: 6th December 1995 Incident Reference: 27070 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	797	1	274800 198000
38	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Penywern Road Northern Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 19th October 1994 Incident Reference: 21589 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7NW (W)	877	1	274650 197200
38	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Opposite 18 Parr Avenue, NEATH Authority: Environment Agency, Welsh Region Pollutant: Natural Foam Note: River Neath; Natural Occurrence Incident Date: 18th August 1997 Incident Reference: 33320 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (W)	923	1	274600 197200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	Pollution Incidents to Controlled Waters Property Type: Land Location: Cadoxton Near, Betts, Nurseries Old Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Deliberate Act Incident Date: 11th March 1991 Incident Reference: 2672 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	888	1	275800 198495
39	Pollution Incidents to Controlled Waters Property Type: Land Location: Cadoxton Tip, And Betts Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Deliberate Act Incident Date: 6th March 1991 Incident Reference: 2669 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	893	1	275800 198500
	River Quality Name: Neath Canal GQA Grade: River Quality D Reach: Conf.Neath - Aberdulais Aqueduct Estimated Distance (km): 8 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A13NE (N)	236	1	275545 197882
	River Quality Name: Port Tennant Canal GQA Grade: River Quality B Reach: Neath Abbey - Conf.Neath Estimated Distance (km): 4 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A18SW (NW)	457	1	275327 198052
	Water Abstractions Operator: Neath Golf Club Licence Number: 21/58/74/0027 Permit Version: 2 Location: U/G Strata, Pennant Measures Sandstone At Neath Golf Club Authority: Environment Agency, Welsh Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 4th September 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1636	1	275910 199240
	Water Abstractions Operator: Neath Golf Club Licence Number: 21/58/74/0027 Permit Version: 1 Location: U/G Strata, Pennant Measures Sandstone At Neath Golf Club Authority: Environment Agency, Welsh Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1636	1	275910 199240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Neath Golf Club Licence Number: 21/58/74/0018 Permit Version: 100 Location: Spring 1 Authority: Environment Agency, Welsh Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Spring 1 Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1744	1	276150 199280
	Water Abstractions Operator: Neath Canal Navigation Licence Number: 21/58/72/0007 Permit Version: 101 Location: Inland Water River Neath In The Community Of Tonna Authority: Environment Agency, Welsh Region Abstraction: Private Water Undertaking: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25SE (NE)	1790	1	276900 198820
	Water Abstractions Operator: Neath Canal Navigation Licence Number: 21/58/72/0007 Permit Version: 100 Location: Inland Water River Neath In The Community Of Tonna Authority: Environment Agency, Welsh Region Abstraction: Private Water Supply: General Use (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Neath Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SE (NE)	1790	1	276900 198820
	Water Abstractions Operator: Neath Canal Navigation Licence Number: 21/58/72/0007 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: River Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Stream At Lock House; Tonna To Neath Can Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SE (NE)	1809	1	276970 198770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Neath Canal Navigation Licence Number: 21/58/72/0035 Permit Version: 2 Location: River Neath At Tonna Lock Authority: Environment Agency, Welsh Region Abstraction: Private Water Undertaking: Transfer between sources Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th February 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25SE (NE)	1848	1	276970 198830
	Water Abstractions Operator: Neath Golf Club Licence Number: 21/58/74/0018 Permit Version: 100 Location: Spring 2 Authority: Environment Agency, Welsh Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Spring 2 Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1975	1	276320 199460
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 35 West Glamorgan Scale: 1:100,000	A13SE (SE)	0	1	275537 197564
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A13SE (SE)	0	3	275537 197564
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SE)	0	3	275537 197564
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	151	1	275532 197797
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	169	1	275470 197800
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	171	1	275490 197810
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	246	1	275522 197891
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	154	1	275520 197799
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	242	1	275523 197888

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	246	1	275522 197891
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
40	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13SE (E)	0	1	275590 197576
41	Detailed River Network Lines River Type: Canal River Name: Neath Canal Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Above Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NW (N)	159	1	275532 197805
42	Detailed River Network Lines River Type: Primary River River Name: Gnoll Brook Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13SE (SE)	208	1	275651 197311
43	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NW (N)	252	1	275516 197898
44	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: NEATH Name: Water Course: 3830 Reference:	A18SE (N)	276	1	275550 197922

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	282	1	275509 197927
46	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: NEATH Name: Water Course: 3830 Reference:	A18SW (N)	282	1	275509 197927
47	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: NEATH Name: Water Course: 3830 Reference:	A18SW (N)	317	1	275420 197940
48	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Drain Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	317	1	275420 197940
49	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	372	1	275417 197998
50	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	376	1	275550 198022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	377	1	275530 198023
52	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: NEATH Name: Water Course: 3830 Reference:	A18SW (NW)	378	1	275323 197957
53	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Drain Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (NW)	378	1	275323 197957
54	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	383	1	275581 198027
55	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	391	1	275643 198023
56	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	392	1	275643 198024

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D008 River Flow Type: Secondary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	392	1	275643 198024
58	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (NW)	394	1	275325 197977
59	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	397	1	275526 198043
60	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (NE)	416	1	275789 197978
61	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: NEATH Name: Water Course: 3830 Reference:	A18SE (NE)	416	1	275789 197978
62	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	417	1	275713 198025

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: NEATH Name: Water Course: 3830 Reference:	A18SE (NE)	434	1	275821 197976
64	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (NE)	434	1	275821 197976
65	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	439	1	275509 198084
66	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (NE)	441	1	275768 198023
67	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (NE)	444	1	275776 198022
68	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	445	1	275507 198090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	445	1	275507 198090
70	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (NE)	468	1	275825 198017
71	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (NE)	468	1	275825 198017
72	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	476	1	275668 198105
73	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	487	1	275421 198119
74	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: D008 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	499	1	275740 198103

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D008	A18SE (N)	393	1	275618 198031

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	Historical Landfill Sites Licence Holder: Neath Borough Council Location: Neath, West Glamorgan Name: Cadoxton Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14875 First Input Date: 31st December 1971 Last Input Date: 1st April 1985 Specified Waste: Deposited Waste included Inert, Industrial, Commercial, Household and Type: Special Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6930/0002 BGS Ref: Not Supplied Other Ref: Not Supplied	A19NW (NE)	924	1	275933 198482
77	Licensed Waste Management Facilities (Locations) Licence Number: 34074 Location: 6 Canal Road, Neath, N P T, SA11 1LJ Operator Name: Davies Skips Ltd Operator Location: Not Supplied Authority: Environment Agency Wales, South West Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Transferred Issued: 20th September 1993 Last Modified: 25th September 2002 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	504	1	274957 197477
77	Licensed Waste Management Facilities (Locations) Licence Number: 34234 Location: Lewis 4x4 Ltd, Canal Road, Neath, N P T, SA11 1LJ Operator Name: Lewis Land Rovers Ltd Operator Location: Not Supplied Authority: Environment Agency Wales, South West Area Site Category: End of Life Vehicles Licence Status: Surrendered Issued: 26th October 2004 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 30th October 2009 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	515	1	274949 197455
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	2	275537 197564
78	Local Authority Recorded Landfill Sites Location: Cadoxton Landfill Site Reference: Not Supplied Authority: Neath Port Talbot County Borough Council, Environmental Health Department Last Reported Status: Not Supplied Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Manually corrected supplier location Boundary Quality: Not Applicable	A19NW (NE)	970	2	276000 198500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	Registered Waste Transfer Sites Licence Holder: Stephens Brothers Skip Hire Ltd Licence Reference: NBWD 13 Site Location: 6 Canal Road, NEATH, West Glamorgan, SA11 1LJ Operator Location: As Site Address Authority: Environment Agency Wales, South West Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 2nd September 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Batteries Max.Stor Electrical Scrap Max.Stor Ferrous Metal Scrap Max.Stor Non-Ferrous Metal Scrap Max.Stor Scrap Vehicles Max.Stor Swarf Max.Stor Prohibited Waste: Elemental Sodium/Potassium Metal In Fine Powder Form Percussive/Explosive/Similar Waste Special Wastes (As In S17 1980) N.O.S Sub'S Control. Radioactive Subs Act'60 Waste Cont'G Flam.Solvents Exc.Petrol Waste Cont'G Liquid Pcb's Waste N.O.S.	A12SE (W)	519	1	274940 197490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	Control of Major Accident Hazards Sites (COMAH) Name: Transco Plc Location: Neath Gas Works, Milland Road, NEATH, Mid Glamorgan, SA11 1NJ Reference: Not Supplied Type: Lower Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	904	4	274692 197064
81	Notification of Installations Handling Hazardous Substances (NIHHS) Name: Transco Location: Neath Gas Works, Milland Road, Neath, Mid Glamorgan, Sa11 1Nj Status: Active Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	981	4	274632 197014

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Upper Westphalian (including Pennant Measures)	A13SE (SE)	0	3	275537 197564
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	0	5	275537 197564
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (NW)	0	5	275531 197571
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	100	5	275401 197447
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	134	5	275502 197775
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SE)	204	5	275692 197330
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	214	5	275310 197379

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	354	5	275537 198000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	358	5	275112 197647
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SW (SE)	370	5	275933 197350
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SW (E)	388	5	276000 197559
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	388	5	276000 197564
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	403	5	275987 197389

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SW (E)	403	5	276000 197432
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	408	5	276000 197412
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	419	5	276021 197448
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SW (SE)	437	5	276014 197366
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	454	5	275006 197619
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	456	5	275000 197558

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	456	5	275000 197564
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	473	5	275739 197060
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SW (E)	475	5	276080 197460
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (SE)	481	5	276053 197345
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SW (NE)	491	5	275963 197919
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	510	5	275537 197000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	513	5	275638 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NW (SE)	514	5	276000 197192
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	519	5	275689 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SW (NE)	519	5	276000 197920
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	521	5	276127 197461
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NE (SW)	535	5	275044 197198

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	536	5	275072 197160
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	536	5	276000 197946
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	538	5	275044 197192
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NE (SE)	541	5	275774 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NE (S)	544	5	275649 196969
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	550	5	276072 197874

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	552	5	275726 196975
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NE (SE)	553	5	275850 197020
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	555	5	276042 197925
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NW (SE)	558	5	276000 197125
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NE (SE)	559	5	275823 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SW (E)	561	5	276173 197537

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	562	5	276174 197558
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	569	5	276155 197731
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	572	5	275029 197929
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	573	5	276000 198000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	575	5	275108 198027
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (SW)	575	5	275213 197000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NW (E)	578	5	276173 197700
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	579	5	274987 197892
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	585	5	275000 197914
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	585	5	275073 198000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NE (S)	586	5	275661 196928
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	590	5	276193 197658

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	591	5	275000 197164
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	615	5	275032 198000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NW (SE)	617	5	275974 197023
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NW (SE)	618	5	276000 197042
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NW (SE)	623	5	275953 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	625	5	276071 198000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SE (NW)	640	5	275000 198000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A9NW (SE)	651	5	276000 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 45 - 60 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SW (S)	657	5	275275 196885
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7NE (SW)	658	5	275063 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 45 - 60 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	682	5	276292 197493
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A9NW (SE)	693	5	276155 197100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7NE (SW)	699	5	275000 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SW (NE)	703	5	276171 198000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A19SW (NE)	714	5	276051 198145
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A19SW (NE)	715	5	276000 198193
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A17SE (NW)	743	5	275040 198196
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SE (S)	748	5	275844 198806

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NW (SE)	750	5	276147 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17SE (NW)	772	5	275000 198199
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	775	5	276099 198185
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17NE (NW)	788	5	275161 198338
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	790	5	276000 198288
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NW (SE)	792	5	276203 197000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	797	5	276296 197124
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17NE (NW)	811	5	275048 198292
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17NE (NW)	831	5	275000 198278
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	836	5	276353 197149
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	850	5	275124 198389
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	858	5	274789 197000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	867	5	276476 197474
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	869	5	275000 196785
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	883	5	276383 198000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	917	5	275612 196594
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	928	5	276373 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	929	5	276315 198183

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18NE (N)	953	5	275851 198547
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 45 - 60 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A19SE (NE)	956	5	276465 198000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7NW (SW)	968	5	274702 196933
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 45 - 60 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SE (SW)	986	5	275000 196648
82	BGS Recorded Mineral Sites Site Name: Gnoll Colliery Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154406 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	226	3	275730 197328
83	BGS Recorded Mineral Sites Site Name: Gnoll Colliery Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154408 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NE (S)	311	3	275646 197204

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	BGS Recorded Mineral Sites Site Name: Gnoll Colliery Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154407 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NE (S)	372	3	275703 197155
85	BGS Recorded Mineral Sites Site Name: Gnoll Colliery Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154410 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	483	3	275778 197064
86	BGS Recorded Mineral Sites Site Name: Gnoll Colliery Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154411 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	500	3	275873 197094
87	BGS Recorded Mineral Sites Site Name: Gnoll Colliery Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154413 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	560	3	275990 197112
88	BGS Recorded Mineral Sites Site Name: Cimla Park Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154451 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	604	3	275898 196988
89	BGS Recorded Mineral Sites Site Name: Harla Cottages Location: , Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154404 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14NE (E)	739	3	276328 197744

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	BGS Recorded Mineral Sites Site Name: Westernmoor Colliery Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154409 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (S)	766	3	275353 196754
91	BGS Recorded Mineral Sites Site Name: Harla Cottages Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154439 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14NE (E)	821	3	276399 197797
92	BGS Recorded Mineral Sites Site Name: Crown Inn Location: , Rhydding, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154389 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	889	3	275204 198470
93	BGS Recorded Mineral Sites Site Name: Gimlu Park Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154412 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	889	3	276059 196752
94	BGS Recorded Mineral Sites Site Name: Fishpond Woods Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154441 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	925	3	276492 197252
95	BGS Recorded Mineral Sites Site Name: Llantwit Covert Location: , Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154403 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14NE (E)	936	3	276487 197895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	BGS Recorded Mineral Sites Site Name: Llantwit Covert Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154438 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	938	3	276499 197867
96	BGS Recorded Mineral Sites Site Name: Mount Pleasant Location: , Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154442 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7SE (S)	986	3	275175 196572
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275750, 197750 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 81.00 mg/kg Concentration: Cadmium Measured 3.00 mg/kg Concentration: Chromium Measured 85.00 mg/kg Concentration: Lead Measured 845.00 mg/kg Concentration: Nickel Measured 58.00 mg/kg Concentration:	A13NE (NE)	219	3	275750 197750
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275300, 197740 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 18.00 mg/kg Concentration: Cadmium Measured 1.00 mg/kg Concentration: Chromium Measured 107.00 mg/kg Concentration: Lead Measured 71.00 mg/kg Concentration: Nickel Measured 33.00 mg/kg Concentration:	A13NW (NW)	243	3	275300 197740
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275720, 197260 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 57.00 mg/kg Concentration: Cadmium Measured 2.00 mg/kg Concentration: Chromium Measured 114.00 mg/kg Concentration: Lead Measured 732.00 mg/kg Concentration: Nickel Measured 64.00 mg/kg Concentration:	A13SE (SE)	280	3	275720 197260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275210, 197250 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 43.00 mg/kg Concentration: Cadmium Measured 4.00 mg/kg Concentration: Chromium Measured 120.00 mg/kg Concentration: Lead Measured 1085.00 mg/kg Concentration: Nickel Measured 61.00 mg/kg Concentration:	A13SW (SW)	374	3	275210 197250
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275620, 198170 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 118.00 mg/kg Concentration: Cadmium Measured 2.00 mg/kg Concentration: Chromium Measured 110.00 mg/kg Concentration: Lead Measured 236.00 mg/kg Concentration: Nickel Measured 47.00 mg/kg Concentration:	A18SE (N)	530	3	275620 198170
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275260, 198230 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 47.00 mg/kg Concentration: Cadmium Measured 3.00 mg/kg Concentration: Chromium Measured 158.00 mg/kg Concentration: Lead Measured 691.00 mg/kg Concentration: Nickel Measured 89.00 mg/kg Concentration:	A18SW (NW)	647	3	275260 198230
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 276260, 197730 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 41.00 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 72.00 mg/kg Concentration: Lead Measured 65.00 mg/kg Concentration: Nickel Measured 23.00 mg/kg Concentration:	A14NE (E)	670	3	276260 197730
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 276240, 197240 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 121.00 mg/kg Concentration: Cadmium Measured 4.00 mg/kg Concentration: Chromium Measured 73.00 mg/kg Concentration: Lead Measured 279.00 mg/kg Concentration: Nickel Measured 42.00 mg/kg Concentration:	A9NE (SE)	695	3	276240 197240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274750, 197730 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 76.00 mg/kg Concentration: Cadmium Measured 2.00 mg/kg Concentration: Chromium Measured 104.00 mg/kg Concentration: Lead Measured 498.00 mg/kg Concentration: Nickel Measured 37.00 mg/kg Concentration:	A12NW (W)	729	3	274750 197730
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275240, 196780 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 77.00 mg/kg Concentration: Cadmium Measured 3.00 mg/kg Concentration: Chromium Measured 87.00 mg/kg Concentration: Lead Measured 516.00 mg/kg Concentration: Nickel Measured 69.00 mg/kg Concentration:	A8SW (S)	768	3	275240 196780
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274750, 197240 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 75.00 mg/kg Concentration: Cadmium Measured 2.00 mg/kg Concentration: Chromium Measured 181.00 mg/kg Concentration: Lead Measured 395.00 mg/kg Concentration: Nickel Measured 168.00 mg/kg Concentration:	A7NW (W)	770	3	274750 197240
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275730, 196750 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 72.00 mg/kg Concentration: Cadmium Measured 4.00 mg/kg Concentration: Chromium Measured 102.00 mg/kg Concentration: Lead Measured 980.00 mg/kg Concentration: Nickel Measured 96.00 mg/kg Concentration:	A8SE (S)	773	3	275730 196750
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274750, 198250 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 90.00 mg/kg Concentration: Cadmium Measured 2.00 mg/kg Concentration: Chromium Measured 96.00 mg/kg Concentration: Lead Measured 467.00 mg/kg Concentration: Nickel Measured 43.00 mg/kg Concentration:	A17SW (NW)	993	3	274750 198250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 276250, 196760 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured Concentration: 78.00 mg/kg Cadmium Measured Concentration: 1.00 mg/kg Chromium Measured Concentration: 88.00 mg/kg Lead Measured Concentration: 242.00 mg/kg Nickel Measured Concentration: 33.00 mg/kg	A9SE (SE)	995	3	276250 196760
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: Swansea Count Id: 370 Arsenic Minimum Concentration: 8.00 mg/kg Arsenic Average Concentration: 77.00 mg/kg Arsenic Maximum Concentration: 2062.00 mg/kg Cadmium Minimum Concentration: 0.50 mg/kg Cadmium Average Concentration: 3.10 mg/kg Cadmium Maximum Concentration: 61.00 mg/kg Chromium Minimum Concentration: 18.00 mg/kg Chromium Average Concentration: 81.00 mg/kg Chromium Maximum Concentration: 571.00 mg/kg Lead Minimum Concentration: 21.00 mg/kg Lead Average Concentration: 422.00 mg/kg Lead Maximum Concentration: 14328.00 mg/kg Nickel Minimum Concentration: 9.00 mg/kg Nickel Average Concentration: 46.00 mg/kg Nickel Maximum Concentration: 320.00 mg/kg	A13SE (SE)	0	3	275537 197564
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (SE)	0	6	275537 197564
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SE)	0	-	275537 197564
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	3	275537 197564
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	135	3	275502 197776
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	3	275537 197564
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	135	3	275502 197776
	Potential for Ground Dissolution Stability Hazards No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	3	275537 197564
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	247	3	275614 197884
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	3	275537 197564
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	135	3	275502 197776
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	3	275537 197564
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	135	3	275502 197776
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	202	3	275691 197331
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	3	275537 197564
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	3	275537 197564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	Contemporary Trade Directory Entries Name: Kwik-Fit Location: Gnoll Park Road, Neath, West Glamorgan, SA11 3BT Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	28	-	275630 197510
98	Contemporary Trade Directory Entries Name: Girle Things Location: 47, Wind Street, Neath, West Glamorgan, SA11 3EN Classification: Lingerie & Hosiery Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	131	-	275381 197661
99	Contemporary Trade Directory Entries Name: Fonehouse Location: 56, Wind Street, Neath, West Glamorgan, SA11 3EN Classification: Electronic Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	160	-	275318 197629
100	Contemporary Trade Directory Entries Name: Currys Location: 4, Orchard Street, Neath, West Glamorgan, SA11 1DU Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	161	-	275298 197580
100	Contemporary Trade Directory Entries Name: Supasnaps Location: 7, Green Street, Neath, West Glamorgan, SA11 1DR Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	175	-	275284 197581
100	Contemporary Trade Directory Entries Name: Style Mobiles Location: 2, General Market, Green Street, Neath, West Glamorgan, SA11 1DP Classification: Mobile Phone Accessories and Car Kits Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	181	-	275285 197607
101	Contemporary Trade Directory Entries Name: Keltic Prints Location: 42, Queen Street, Neath, West Glamorgan, SA11 1DL Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	192	-	275320 197402
101	Contemporary Trade Directory Entries Name: Johnson Cleaners Uk Ltd Location: 30, Queen Street, Neath, West Glamorgan, SA11 1DL Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	193	-	275294 197442
102	Contemporary Trade Directory Entries Name: The Bag Boutique Location: 26, Queen Street, Neath, West Glamorgan, SA11 1DL Classification: Bags, Belts & Accessories - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	193	-	275287 197453
103	Contemporary Trade Directory Entries Name: Valley Sealants Location: 8a, New Street, Neath, West Glamorgan, SA11 1RT Classification: Adhesives, Glues & Sealants Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	228	-	275253 197651
103	Contemporary Trade Directory Entries Name: Fibreclean Location: The Parade, Neath, West Glamorgan, SA11 1RB Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	229	-	275240 197622
103	Contemporary Trade Directory Entries Name: At Your Service Location: 11, The Parade, Neath, West Glamorgan, SA11 1RB Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (W)	253	-	275215 197625

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	Contemporary Trade Directory Entries Name: Browns Of Neath Location: 16, Angel Street, Neath, West Glamorgan, SA11 1RS Classification: Washing Machines - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	273	-	275219 197685
104	Contemporary Trade Directory Entries Name: E R V Electrical Location: 47, General Market, Green Street, Neath, West Glamorgan, SA11 1DP Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	230	-	275227 197571
104	Contemporary Trade Directory Entries Name: Neath Electrics Location: 34, General Market, Green Street, Neath, West Glamorgan, SA11 1DP Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	230	-	275227 197571
104	Contemporary Trade Directory Entries Name: Tom Thomas Of Neath Location: 28-29, General Market, Green Street, Neath, West Glamorgan, SA11 1DP Classification: Pet Foods & Animal Feeds Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	230	-	275227 197571
104	Contemporary Trade Directory Entries Name: Homestyle By Fads Location: 27, Green Street, Neath, West Glamorgan, SA11 1DF Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	239	-	275218 197527
105	Contemporary Trade Directory Entries Name: Taylors Of Neath Location: 14, Park Street, Neath, West Glamorgan, SA11 3DF Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	239	-	275710 197814
106	Contemporary Trade Directory Entries Name: Town Tyre Services Location: London Road, Neath, West Glamorgan, SA11 1HD Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	245	-	275362 197295
106	Contemporary Trade Directory Entries Name: Tip Top Cleaning Location: 4, Creswell Road, Neath, West Glamorgan, SA11 1HE Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	265	-	275379 197264
107	Contemporary Trade Directory Entries Name: Blinds 2000 Location: 8, Croft Road, Neath, West Glamorgan, SA11 1RW Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	296	-	275197 197691
107	Contemporary Trade Directory Entries Name: Blinds 2000 Location: The Blinds Factory, Croft Road, Neath, West Glamorgan, SA11 1RW Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	296	-	275197 197691
108	Contemporary Trade Directory Entries Name: Tyre & Exhaust World Ltd Location: Castle Garage, Croft Road, Neath, West Glamorgan, SA11 1RW Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	304	-	275181 197677
108	Contemporary Trade Directory Entries Name: Polar Print Location: Castle Garage, Croft Road, Neath, West Glamorgan, SA11 1RW Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	304	-	275181 197677

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	Contemporary Trade Directory Entries Name: Croft Joinery Location: Castle Garage, Croft Road, Neath, West Glamorgan, SA11 1RW Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	304	-	275181 197677
108	Contemporary Trade Directory Entries Name: Ford Spares-Neath Location: Castle Garage, Croft Road, Neath, West Glamorgan, SA11 1RW Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Manually positioned to an adjacent address or location	A12NE (W)	304	-	275181 197677
108	Contemporary Trade Directory Entries Name: Mike English Location: Unit 2-3, Croft Rd, Neath, West Glamorgan, SA11 1RW Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	307	-	275189 197699
108	Contemporary Trade Directory Entries Name: Powerbits Location: Granfield House, Croft Road, Neath, West Glamorgan, SA11 1RW Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (W)	307	-	275189 197699
108	Contemporary Trade Directory Entries Name: Croft Auto Repairs Location: Croft Rd, Neath, West Glamorgan, SA11 1RW Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	317	-	275176 197697
109	Contemporary Trade Directory Entries Name: First Cymru Location: Station Sq, Neath, West Glamorgan, SA11 1BY Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	333	-	275131 197474
110	Contemporary Trade Directory Entries Name: Safeway Petrol Station Location: Riverside Dr, Neath, West Glamorgan, SA11 1RS Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SW (NW)	361	-	275304 197920
111	Contemporary Trade Directory Entries Name: Bravegate Ltd Location: Commercial Street, Neath, West Glamorgan, SA11 1SB Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	362	-	275095 197578
111	Contemporary Trade Directory Entries Name: Bravegate Location: 1, Commercial Street, Neath, West Glamorgan, SA11 1SB Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	383	-	275073 197574
112	Contemporary Trade Directory Entries Name: M C Motors Location: Commercial Street, Neath, West Glamorgan, SA11 1SB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (W)	398	-	275058 197542
112	Contemporary Trade Directory Entries Name: Travis Perkins Trading Co Ltd Location: 12, Commercial Street, Neath, West Glamorgan, SA11 1SB Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	438	-	275018 197523
113	Contemporary Trade Directory Entries Name: Dragon Oven Cleaning Service Ltd Location: 18, Arthur Street, Neath, West Glamorgan, SA11 1HP Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	399	-	275379 197123

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	Contemporary Trade Directory Entries Name: Hanson Services Location: 55, Windsor Road, Neath, West Glamorgan, SA11 1NG Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	406	-	275165 197252
114	Contemporary Trade Directory Entries Name: Total Location: 66, Windsor Road, Neath, West Glamorgan, SA11 1NH Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	445	-	275144 197217
115	Contemporary Trade Directory Entries Name: Neath Port Authority Location: Bank Side, Neath, West Glamorgan, SA11 1RY Classification: Ports, Docks & Harbours Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (W)	421	-	275040 197614
116	Contemporary Trade Directory Entries Name: Industrial Rope Access Location: 12, Rugby Avenue, Neath, West Glamorgan, SA11 1YT Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	430	-	275505 197081
117	Contemporary Trade Directory Entries Name: W J Jones Location: Bridge Street, Neath, West Glamorgan, SA11 1RP Classification: Agricultural Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	431	-	275094 197781
118	Contemporary Trade Directory Entries Name: E Hoile & Sons Location: 15, Rectory Road, Neath, West Glamorgan, SA11 1ET Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (SW)	447	-	275229 197139
119	Contemporary Trade Directory Entries Name: The Aga Shop Location: 79, Windsor Road, Neath, West Glamorgan, SA11 1NS Classification: Cookers - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	452	-	275180 197171
119	Contemporary Trade Directory Entries Name: Neath Dental Laboratory Ltd Location: 81, Windsor Road, Neath, West Glamorgan, SA11 1NS Classification: Medical & Dental Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	455	-	275181 197166
120	Contemporary Trade Directory Entries Name: D J Hitchman & Son Location: Quay Road, Neath, West Glamorgan, SA11 1SL Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	464	-	275028 197727
121	Contemporary Trade Directory Entries Name: Evans & Reid Ltd Location: Staffordshire Warehouse, Canal Road, Neath, West Glamorgan, SA11 1LJ Classification: Plant & Machinery Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	498	-	274957 197539
122	Contemporary Trade Directory Entries Name: Central Garage Location: Bridge Street, Neath, West Glamorgan, SA11 1RP Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	500	-	275014 197781
123	Contemporary Trade Directory Entries Name: Clive Sinclair Location: Commercial Street, Neath, West Glamorgan, SA11 1SB Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	502	-	274986 197371

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	Contemporary Trade Directory Entries Name: Electron Filling Station Location: 113, Windsor Road, Neath, West Glamorgan, SA11 1NS Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	516	-	275201 197075
124	Contemporary Trade Directory Entries Name: Transworld Communication Location: 96, Windsor Road, Neath, West Glamorgan, SA11 1NR Classification: Radio Communication Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	537	-	275174 197068
125	Contemporary Trade Directory Entries Name: Lewis (4x4) Ltd Location: Ambulance Station, Canal Road, Neath, West Glamorgan, SA11 1LJ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	522	-	274944 197446
125	Contemporary Trade Directory Entries Name: Lewis Land Rover Ltd Location: Ambulance Station, Canal Road, Neath, West Glamorgan, SA11 1LJ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	522	-	274944 197446
125	Contemporary Trade Directory Entries Name: Mikes Motors Ltd Location: 6, Canal Road, Neath, West Glamorgan, SA11 1LJ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	543	-	274921 197454
126	Contemporary Trade Directory Entries Name: Blake Industrial Cleaning Supplies Location: 147, Windsor Road, Neath, West Glamorgan, SA11 1NU Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	597	-	275211 196977
127	Contemporary Trade Directory Entries Name: Measday Pool Services Ltd Location: 29, Cimla Crescent, Neath, West Glamorgan, SA11 3NN Classification: Swimming Pool Contractors, Repairers & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	676	-	275974 196950
128	Contemporary Trade Directory Entries Name: B Clean Location: 22, Brookdale Street, Neath, West Glamorgan, SA11 1PB Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	680	-	275100 196945
128	Contemporary Trade Directory Entries Name: Alice Peter Location: Brookdale St, Neath, West Glamorgan, SA11 1PB Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	694	-	275075 196945
129	Contemporary Trade Directory Entries Name: Radiance Blinds & Flooring Location: 12, Briton Ferry Road, Neath, West Glamorgan, SA11 1AA Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	699	-	275176 196879
130	Contemporary Trade Directory Entries Name: Mike Saunders Motors Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	721	-	274837 197176
131	Contemporary Trade Directory Entries Name: Lewis Road Motors Location: Lewis Road, Neath, West Glamorgan, SA11 1DX Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	741	-	275342 196781

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	Contemporary Trade Directory Entries Name: Pac Trade Cars Location: Flat 7, Edward Jarvis Court, Quar Road, Neath, West Glamorgan, SA11 1AE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (SW)	745	-	275203 196818
132	Contemporary Trade Directory Entries Name: Danygraig Motors Location: 7 Quar Rd, Neath, West Glamorgan, SA11 1AE Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	755	-	275186 196814
133	Contemporary Trade Directory Entries Name: Alison Peter Cleaning Service Location: 40, Pendrill Street, Neath, West Glamorgan, SA11 1BP Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	753	-	274935 196989
133	Contemporary Trade Directory Entries Name: Alice & Peter Cleaning Services Location: 40, Pendrill Street, Neath, West Glamorgan, SA11 1BP Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	753	-	274935 196989
133	Contemporary Trade Directory Entries Name: First Choice Princess Blinds Location: 45, Pendrill Street, Neath, West Glamorgan, SA11 1BW Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	771	-	274911 196989
134	Contemporary Trade Directory Entries Name: Neath Gun Shop Location: 44, Briton Ferry Road, Neath, West Glamorgan, SA11 1AA Classification: Gunsmiths Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	794	-	275111 196806
135	Contemporary Trade Directory Entries Name: Neath Office Cleaning Location: 27, New Henry Street, Neath, West Glamorgan, SA11 1PH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	815	-	274933 196905
135	Contemporary Trade Directory Entries Name: South Wales Office Cleaning Location: 27, New Henry Street, Neath, West Glamorgan, SA11 1PH Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	815	-	274933 196905
135	Contemporary Trade Directory Entries Name: Cardiff Office Cleaning Location: 27, New Henry Street, Neath, West Glamorgan, SA11 1PH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	815	-	274933 196905
135	Contemporary Trade Directory Entries Name: Newport Cleaning Co Location: 27, New Henry Street, Neath, West Glamorgan, SA11 1PH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	815	-	274933 196905
135	Contemporary Trade Directory Entries Name: Bridgend Office Cleaning Location: 27, New Henry Street, Neath, West Glamorgan, SA11 1PH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	815	-	274933 196905
136	Contemporary Trade Directory Entries Name: Razzle Dazzle Location: 8, Edwards Street, Neath, West Glamorgan, SA11 1TU Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	827	-	275206 196730

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	Contemporary Trade Directory Entries Name: Foundry Autos Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	844	-	274794 197017
137	Contemporary Trade Directory Entries Name: Sandvik Osprey Ltd Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	844	-	274794 197017
137	Contemporary Trade Directory Entries Name: Timber Builders Merchants Ltd Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	844	-	274794 197017
137	Contemporary Trade Directory Entries Name: Trick & Aubrey Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	844	-	274794 197017
137	Contemporary Trade Directory Entries Name: J S Jones Buildbase Ltd Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	844	-	274794 197017
137	Contemporary Trade Directory Entries Name: Hale Joinery Location: Briton Ferry Indust Est, Milland Rd, Neath, West Glamorgan, SA11 1NJ Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	877	-	274764 197002
138	Contemporary Trade Directory Entries Name: Tynyarn Meat Supplies Location: 15, Firwd Vale, Neath, West Glamorgan, SA10 7BA Classification: Meat - Wholesale Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	912	-	274772 198151
139	Contemporary Trade Directory Entries Name: Csn Location: Neath Abbey Road, Neath, West Glamorgan, SA10 7BR Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	927	-	274530 197507
140	Contemporary Trade Directory Entries Name: Roma Flooring Location: Unit 4, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Floorcoverings - Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A7SW (SW)	959	-	274746 196892
141	Contemporary Trade Directory Entries Name: Westbury Flexographic Ltd Location: Milland Rd Ind Est, Neath, West Glamorgan, SA11 1NJ Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	978	-	274685 196938
142	Fuel Station Entries Name: Morrisons Neath Location: Angel Street, Neath, West Glamorgan, SA11 1RS Brand: Morrisons Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	350	-	275301 197902

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Fuel Station Entries Name: Windsor Road Service Station Location: 66, Winsor Road, Neath, West Glamorgan, SA11 1LT Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	451	-	275144 197208
144	Fuel Station Entries Name: Electron Filling Station Location: 113-125 Windsor Road, NEATH, West Glamorgan, SA11 1NS Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A8NW (SW)	516	-	275201 197075
145	Fuel Station Entries Name: A J Motor Services Location: Neath Road, Tonna, SWANSEA, West Glamorgan, SA11 3BZ Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Approximate location provided by supplier	A19SE (NE)	807	-	276273 198035

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Neath Port Talbot County Borough Council - Environmental Health Department City and County of Swansea - Environmental Health Department	April 2013 May 2013	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region	October 2013	Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Welsh Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Welsh Region	October 2013	Quarterly
Local Authority Integrated Pollution Prevention And Control Neath Port Talbot County Borough Council - Environmental Health Department City and County of Swansea - Environmental Health Department Swansea Bay Port Health Authority	August 2012 November 2012 November 2012	Annual Rolling Update Annual Rolling Update Annually
Local Authority Pollution Prevention and Controls Neath Port Talbot County Borough Council - Environmental Health Department City and County of Swansea - Environmental Health Department Swansea Bay Port Health Authority	August 2012 November 2012 November 2012	Annual Rolling Update Annual Rolling Update Annually
Local Authority Pollution Prevention and Control Enforcements Neath Port Talbot County Borough Council - Environmental Health Department City and County of Swansea - Environmental Health Department Swansea Bay Port Health Authority	August 2012 November 2012 November 2012	Annual Rolling Update Annual Rolling Update Annually
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region	March 2013	As notified
Registered Radioactive Substances Environment Agency - Welsh Region	October 2013	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency Wales - South West Area	October 2013	Quarterly
Water Abstractions Environment Agency - Welsh Region	October 2013	Quarterly
Water Industry Act Referrals Environment Agency - Welsh Region	October 2013	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Source Protection Zones Environment Agency - Head Office	October 2013	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2013	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2013	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	December 2013	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	December 2013	Quarterly
Flood Defences Environment Agency - Head Office	December 2013	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area Environment Agency Wales - South West Area	October 2013 October 2013 October 2013 October 2013 October 2013	Quarterly Quarterly Quarterly Quarterly Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area Environment Agency Wales - South West Area	October 2013 October 2013 October 2013 October 2013 October 2013	Quarterly Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency Wales - South West Area	October 2013	Quarterly
Local Authority Landfill Coverage City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	May 2000 September 2003	Not Applicable Not Applicable
Registered Landfill Sites Environment Agency Wales - South West Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	August 2013	Bi-Annually
Explosive Sites Health and Safety Executive	November 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Neath Port Talbot County Borough Council - Planning Department City and County of Swansea - Planning Department	August 2013 September 2013	Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Neath Port Talbot County Borough Council - Planning Department City and County of Swansea - Planning Department	August 2013 September 2013	Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2013	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	June 2011	Variable
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	June 2011	Variable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2012	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

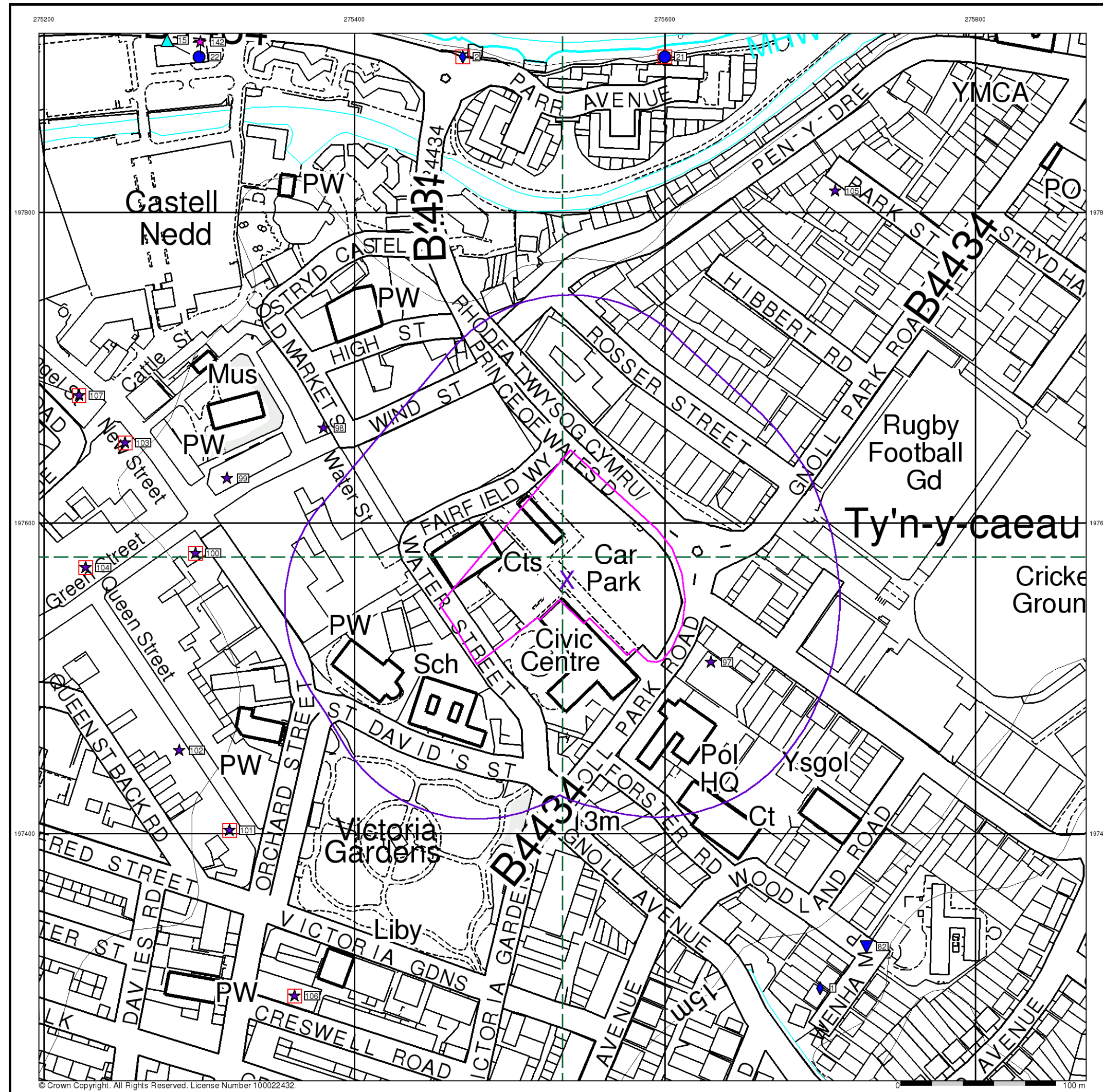
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2013	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2013	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Outstanding Natural Beauty Natural Resources Wales (NRW) - formerly CCW	January 2014	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	August 2008	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves City and County of Swansea Neath Port Talbot County Borough Council	May 2013 May 2013	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales (NRW) - formerly CCW	May 2013	Bi-Annually
National Nature Reserves Natural Resources Wales (NRW) - formerly CCW	May 2013	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside)	October 2005	Annually
Ramsar Sites Natural Resources Wales (NRW) - formerly CCW	May 2013	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales (NRW) - formerly CCW	May 2013	Bi-Annually
Special Areas of Conservation Natural Resources Wales (NRW) - formerly CCW	May 2013	Bi-Annually
Special Protection Areas Natural Resources Wales (NRW) - formerly CCW	May 2013	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	Neath Port Talbot County Borough Council - Environmental Health Department Room 322, Neath Civic Centre, Neath, West Glamorgan, SA11 3QZ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
3	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
5	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
6	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
7	Neath Port Talbot County Borough Council Civic Centre, Port Talbot, West Glamorgan, SA13 1PJ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

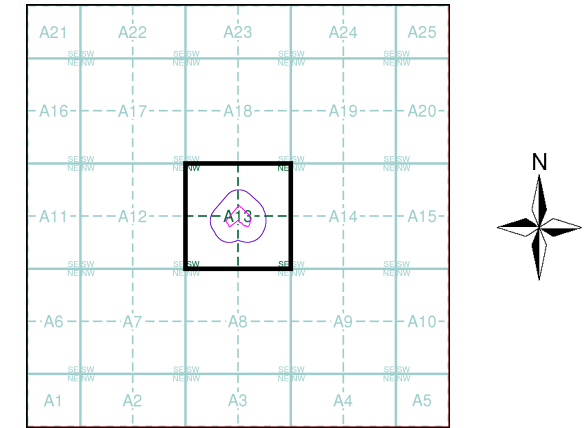


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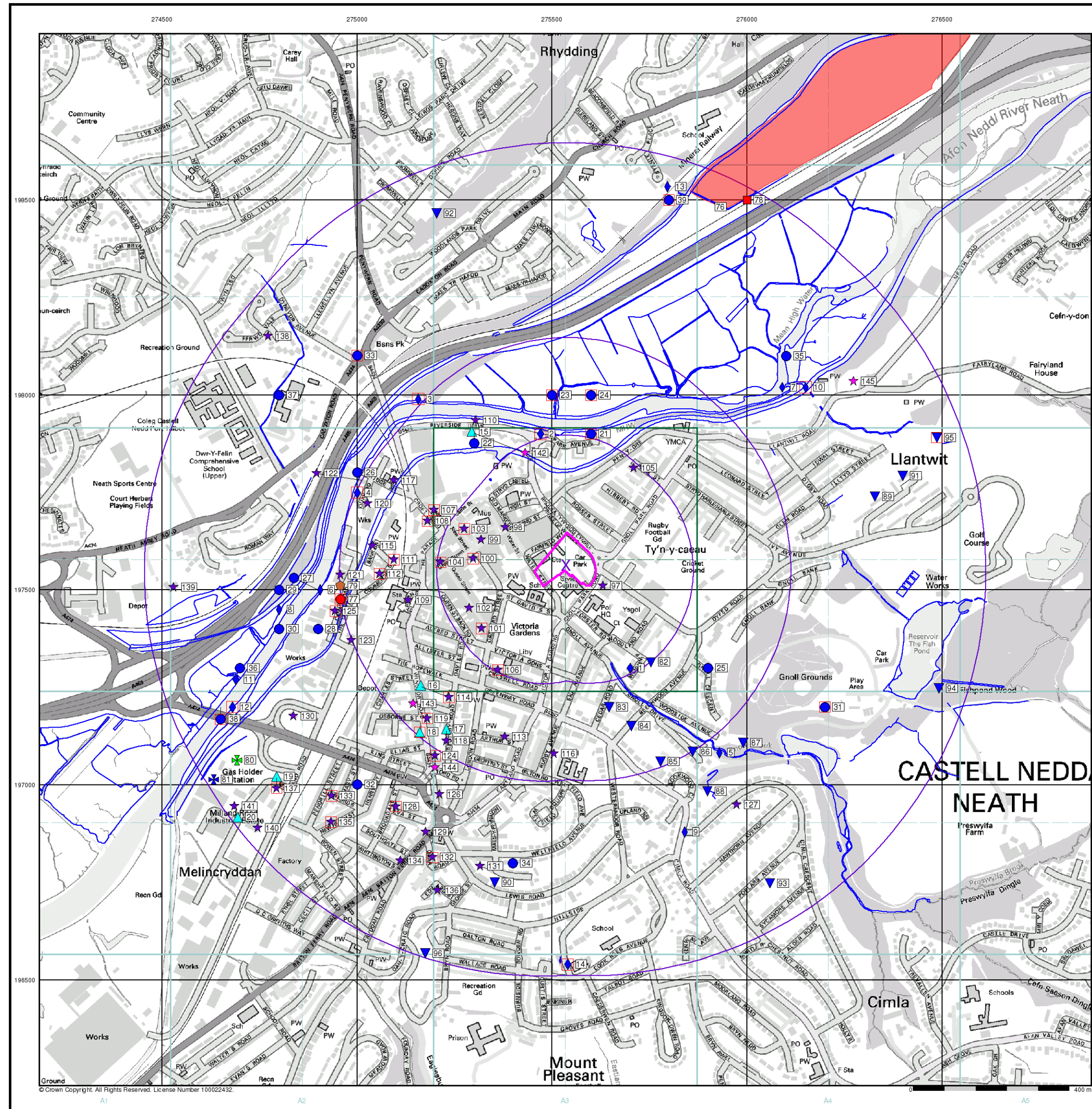
- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition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

Site Sensitivity Map - Segment A13



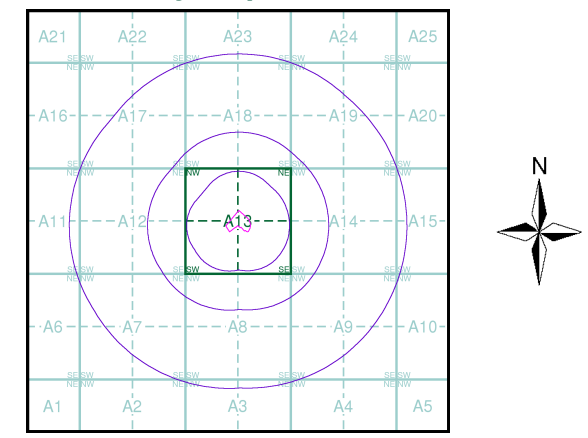
Order Details
Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21

Site Details
Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ



- 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
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- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

Site Sensitivity Map - Slice A

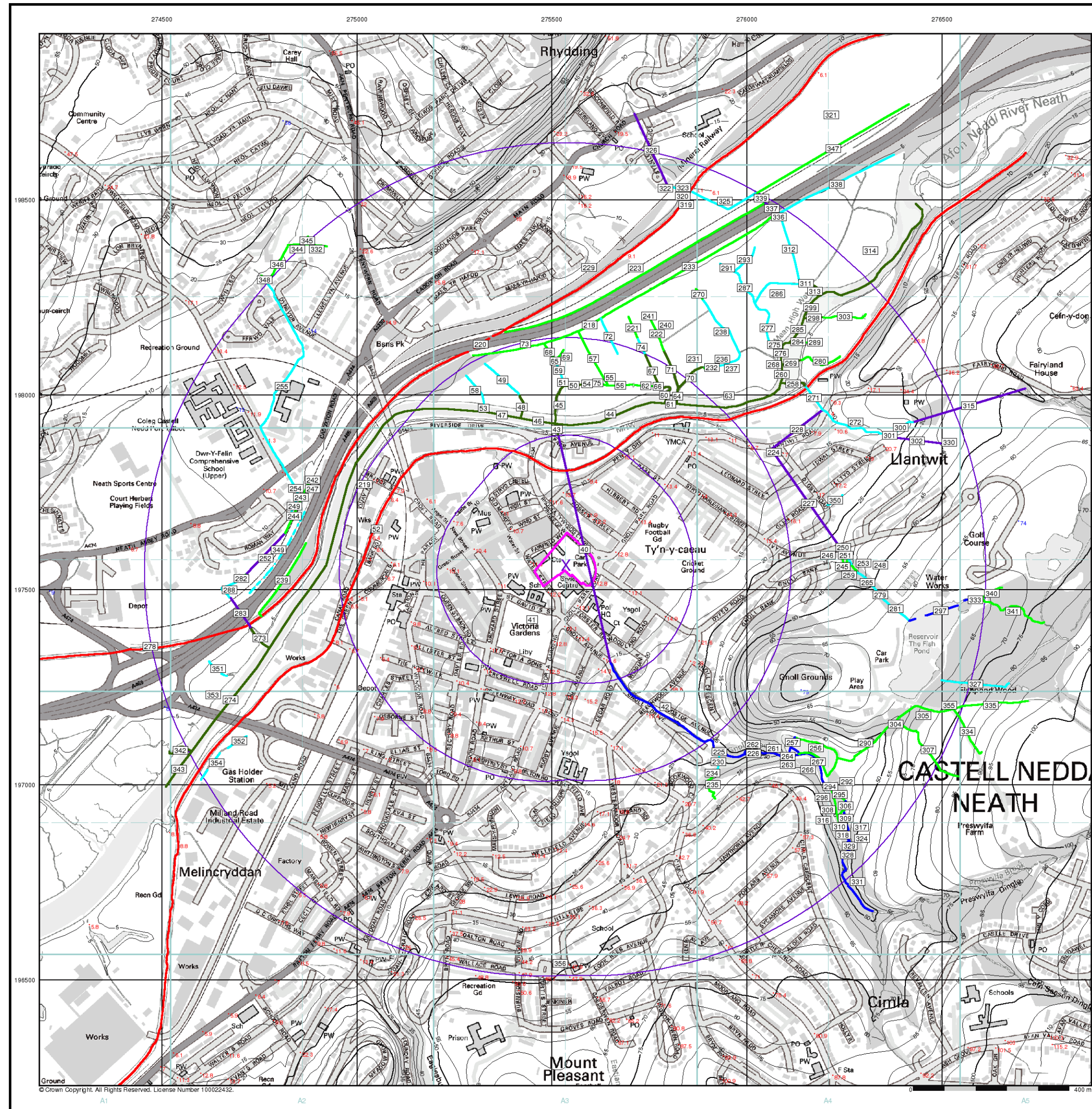


Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ



General

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

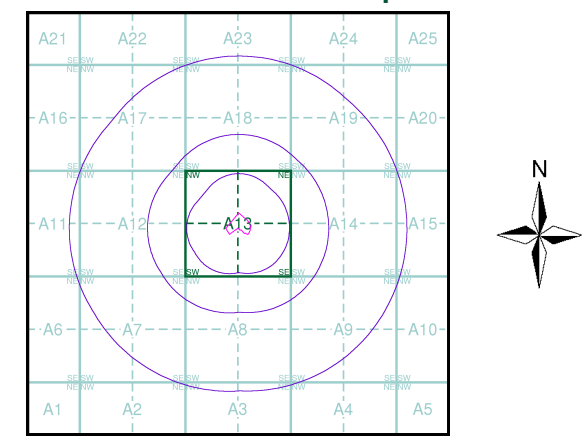
EA Detailed River Network Data

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

Contours (height in metres)

- Standard Contour
- Index Contour
- Spot Height
- Air Height

EA Detailed River Network Map - Slice A



Order Details

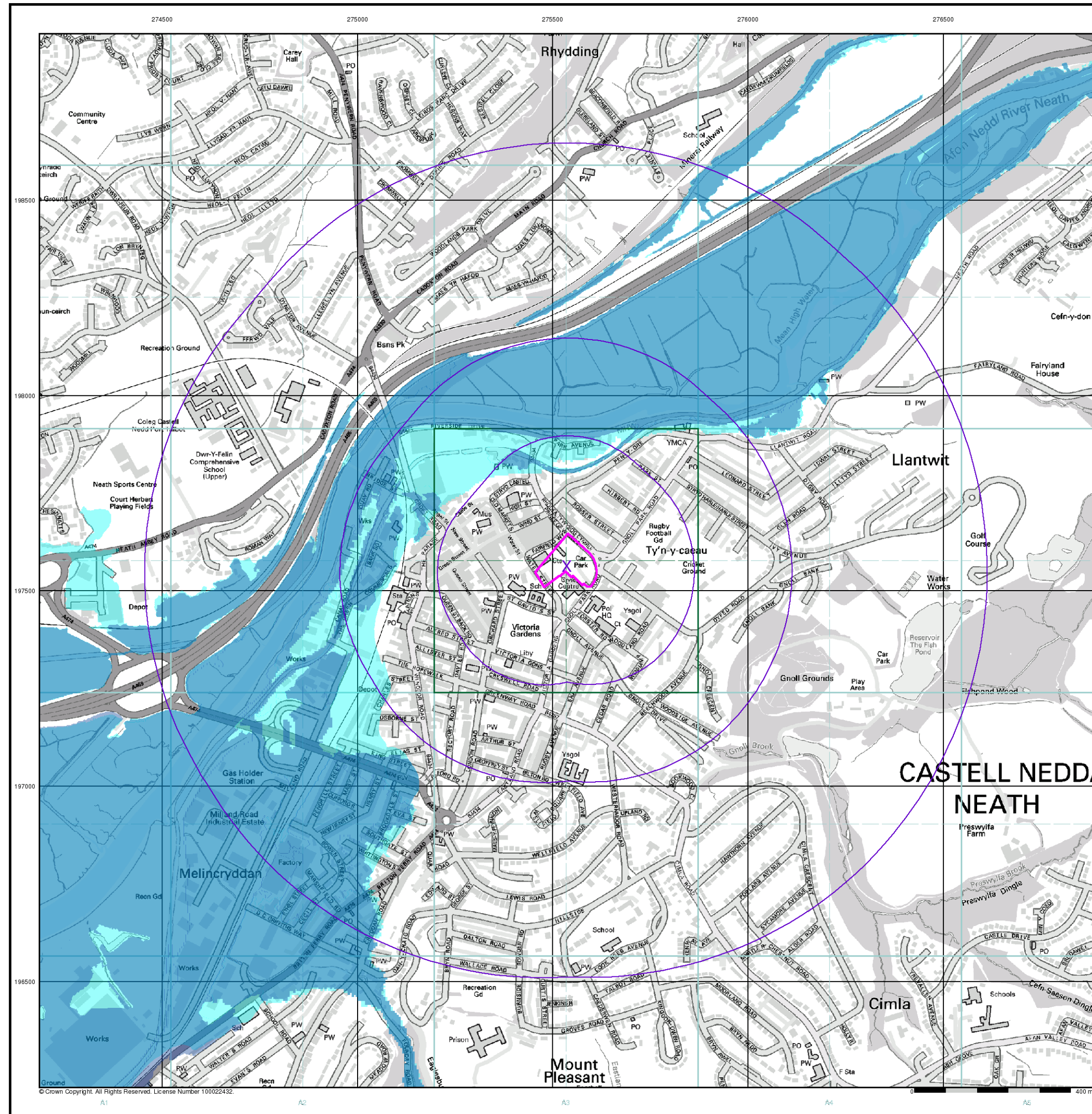
Order Number: 52212038_1_1
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National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ



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



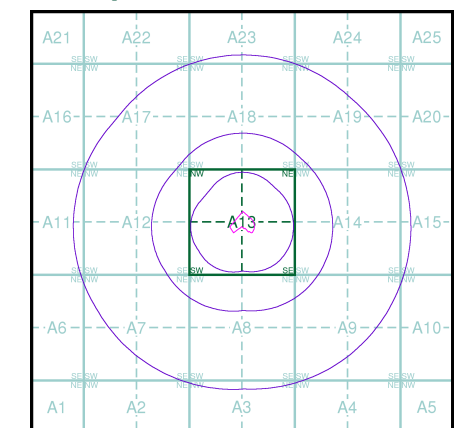
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

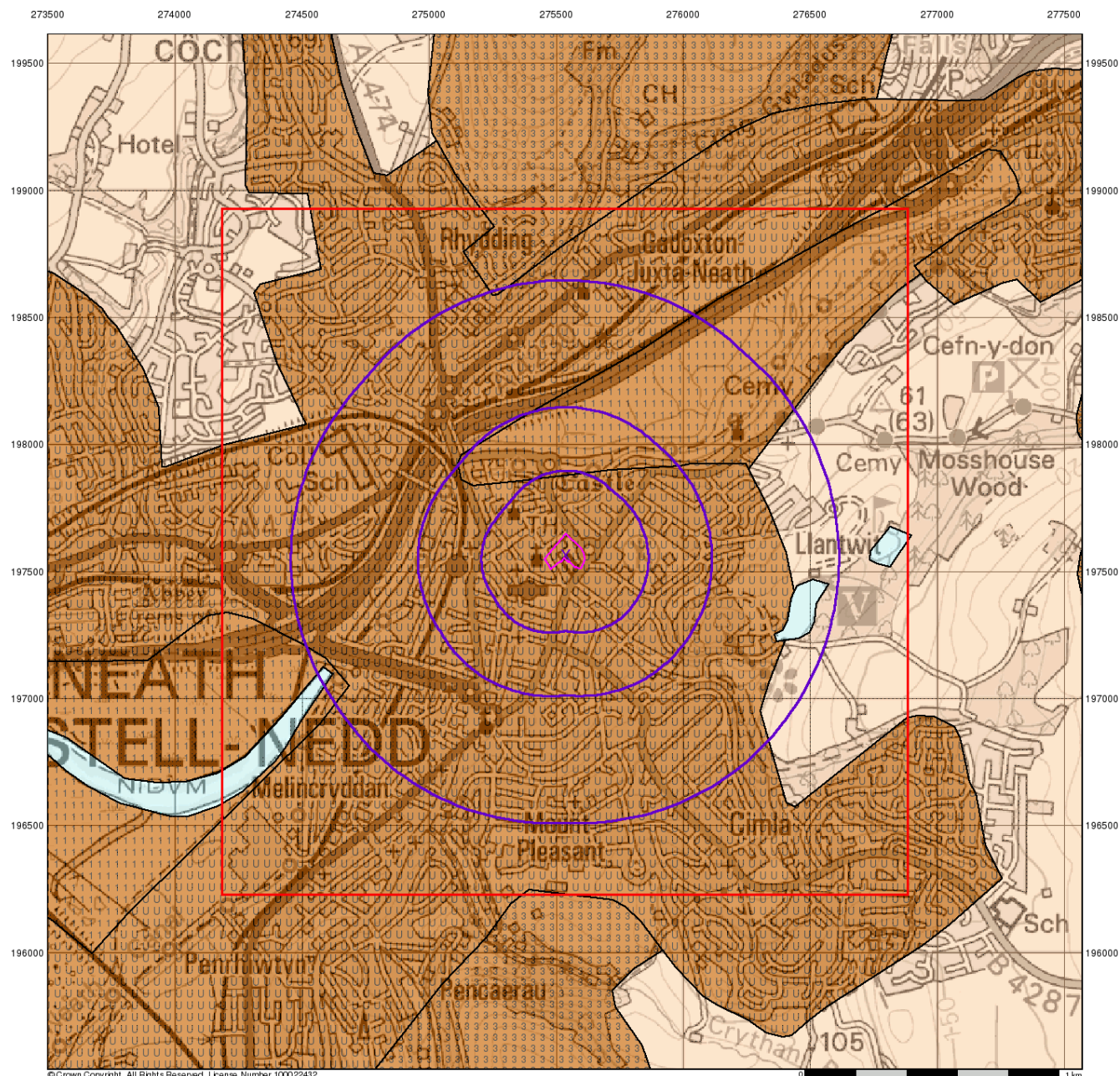


Order Details

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Customer Ref: A3188-13
National Grid Reference: 27540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH,
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Groundwater Vulnerability

General

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

Agency and Hydrological

Geological Classes

Major Aquifer (Highly Permeable)

Minor Aquifer (Variably Permeable)

Non Aquifer (Negligibly Permeable)

Water or Sea

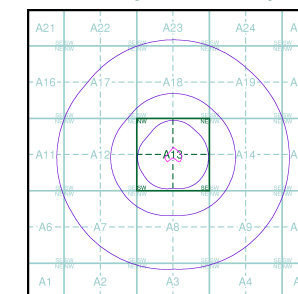
Drift Deposit

Soil Classes

High (H) 1, 2, 3, U
Intermediate (I) 1, 2
Low

High (H) 1, 2, 3, U
Intermediate (I) 1, 2
Low

Site Sensitivity Context Map - Slice A

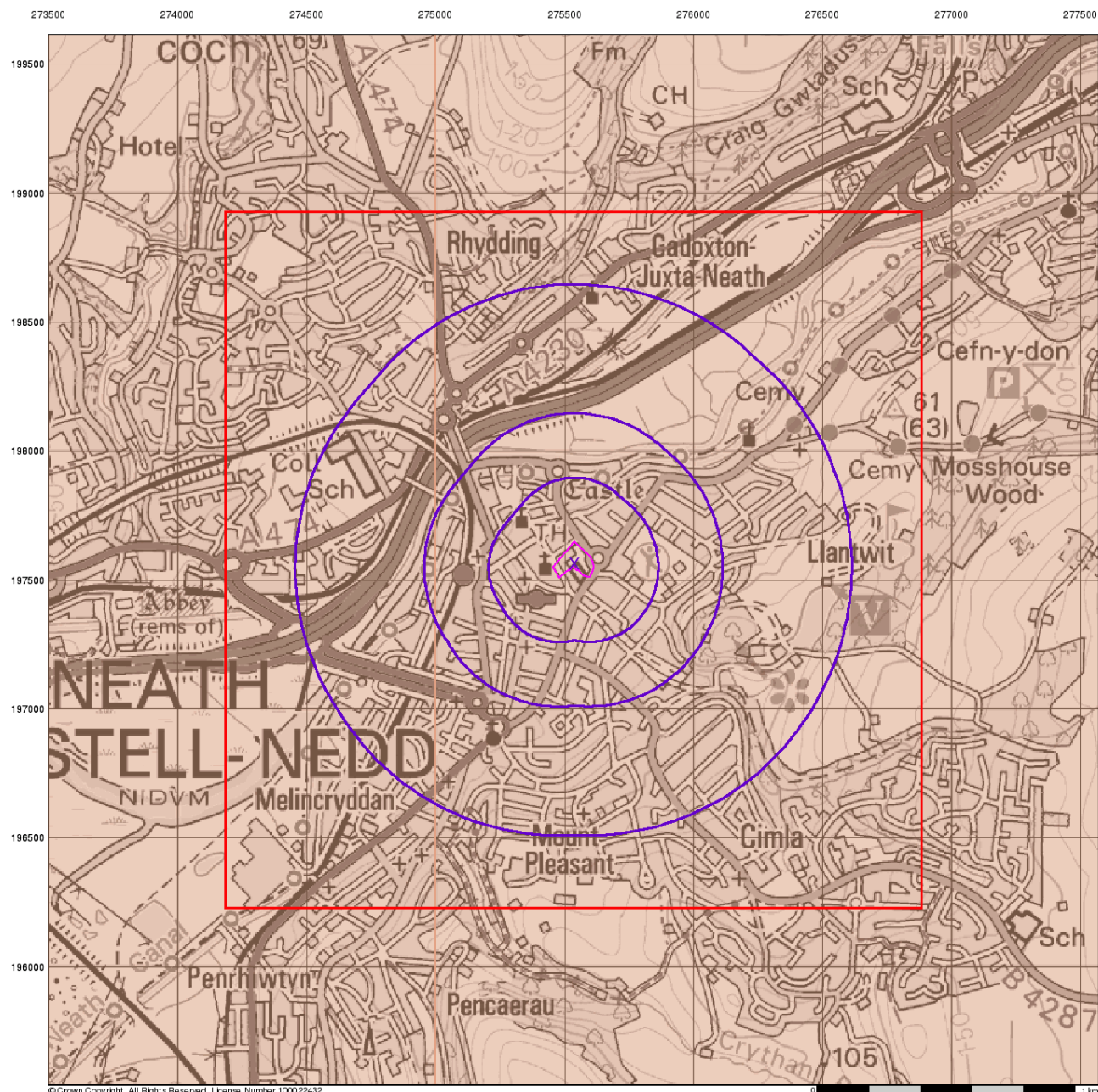


Order Details

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Customer Ref: A3188-13
National Grid Reference: 275540, 197560
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Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH,
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Bedrock Aquifer Designation

General

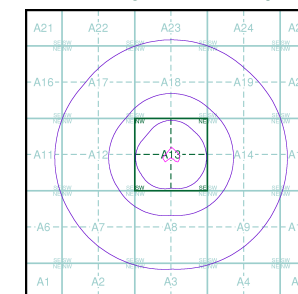
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

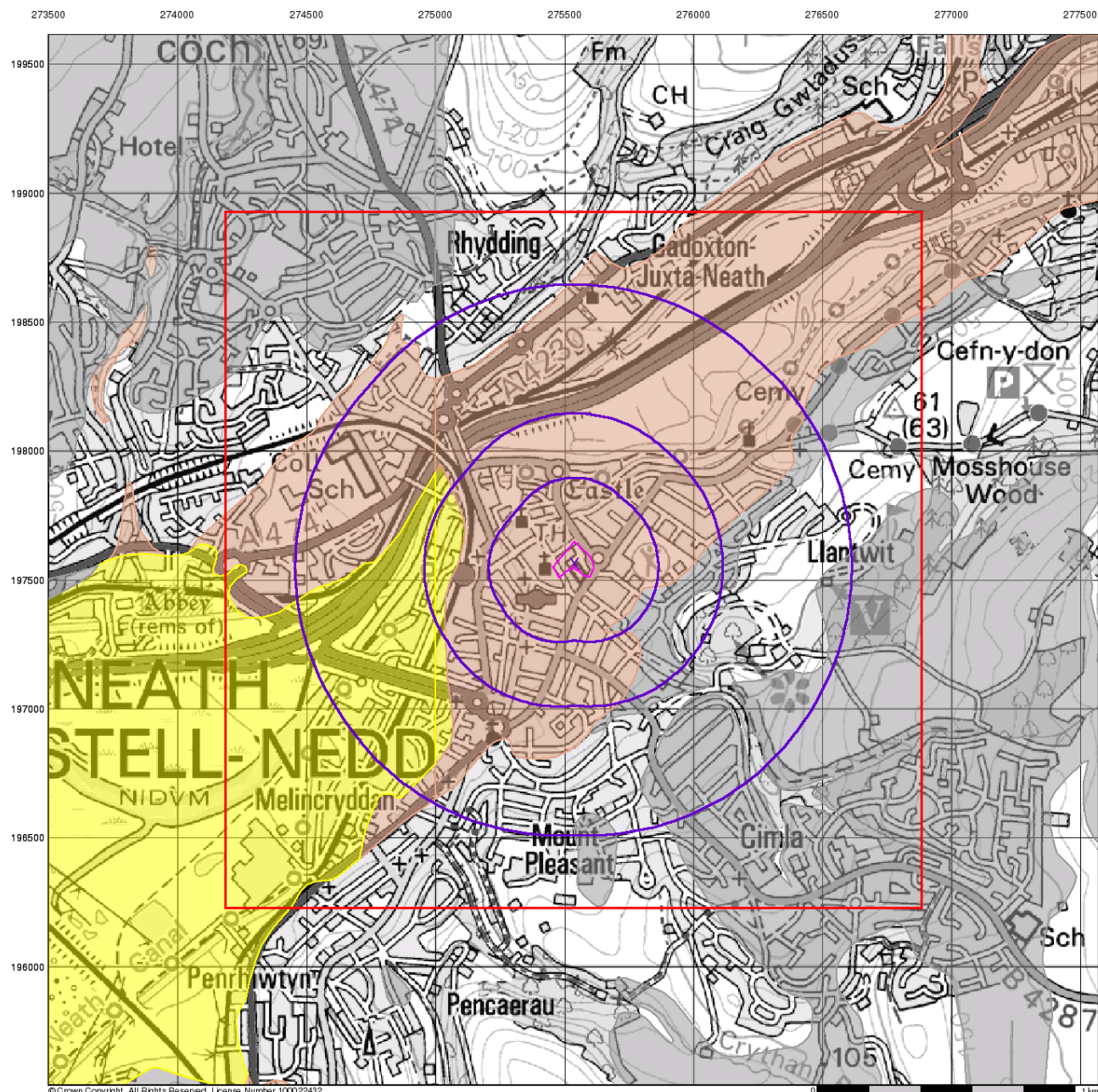


Order Details

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Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

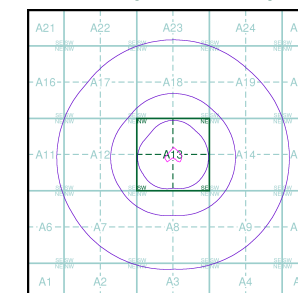
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

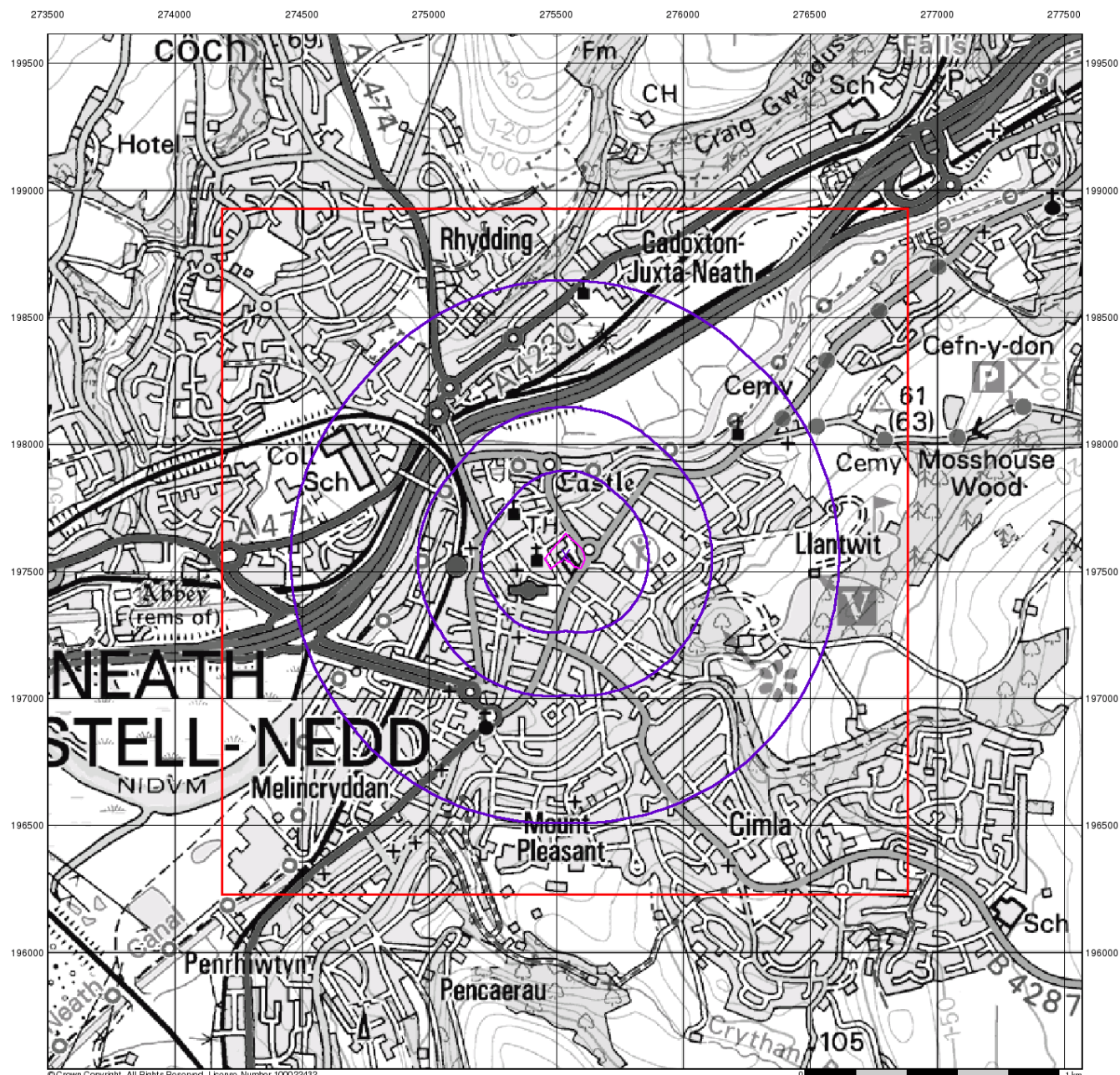


Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH,
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Source Protection Zones

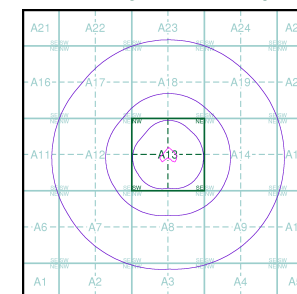
General

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

Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A

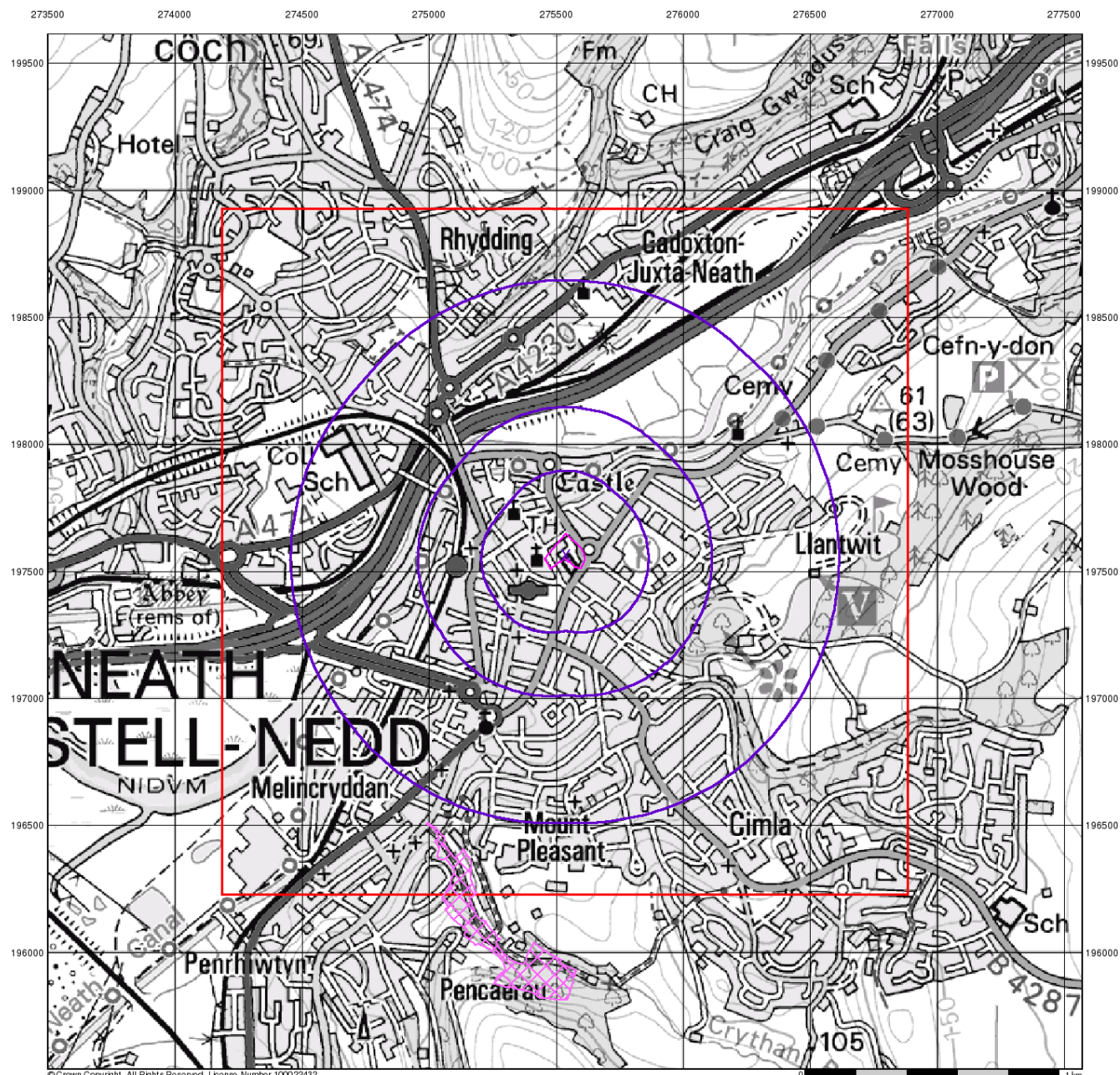


Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Groll Park Road, NEATH,
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Sensitive Land Uses

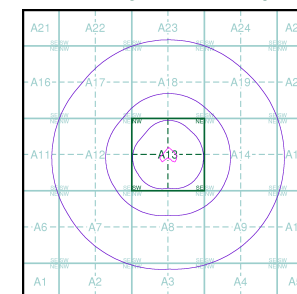
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

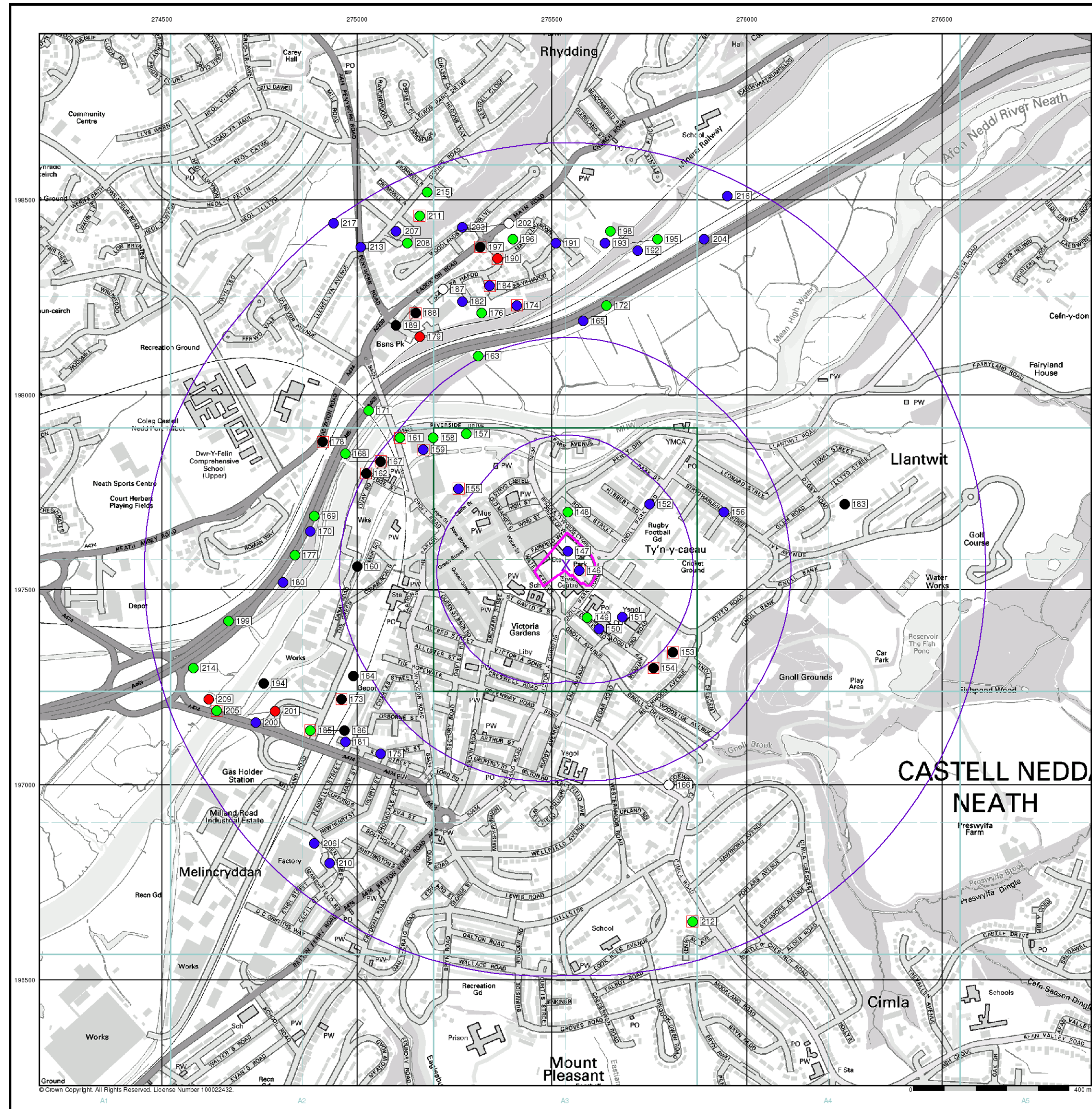


Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH,
West Glamorgan, SA11 3QZ



General

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

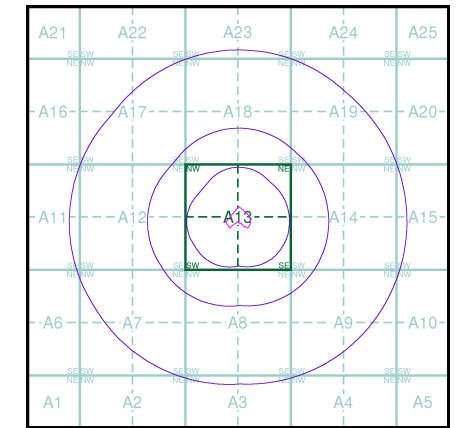
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ



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

ENCLOSURE B

HISTORICAL ORDNANCE SURVEY MAP EXTRACTS AND MINING REPORT

Coal Authority Report

Report No 52212038_2

Historical Ordnance Survey Map Extracts

Scales 1:10000 and 1:10560
Scales 1:1250 and 1:2500
Scale 1:500



Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0845 762 6848 DX 716176 MANSFIELD 5

**LANDMARK INFORMATION GROUP
LIMITED
SOWTON INDUSTRIAL ESTATE
ABBAY COURT
UNIT 5/7 EAGLE WAY
EXETER
DEVON
EX2 7HY**

Our reference: **51000448169001**
Your reference: **52212038_2**
Date of your enquiry: **09 January 2014**
Date we received your enquiry: **09 January 2014**
Date of issue: **09 January 2014**

This report is for the property described in the address below and the attached plan.

Non-Residential Coal Authority Mining Report

**NEATH TOWN CENTRE REDEVELOPMENT, GNOLL PARK ROAD, NEATH , WEST
GLAMORGAN , NEATH PORT TALBOT,**

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Coal mining	See comments below
Brine Compensation District	No

Information from the Coal Authority

Underground coal mining

Past

According to the records in our possession, the property is not within the zone of likely physical influence on the surface from past underground workings.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

The property is not in an area for which a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

Coal mining geology

The Authority is not aware of any evidence of damage arising due to geological faults or other lines of weakness that have been affected by coal mining.

Opencast coal mining

Past

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Present

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres, since 31st October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

Withdrawal of support

The property is not in an area for which a notice of entitlement to withdraw support has been published.

The property is not in an area for which a notice has been given under section 41 of the Coal Industry Act 1994, revoking the entitlement to withdraw support.

Working facilities orders

The property is not in an area for which an Order has been made under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

Payments to owners of former copyhold land

The property is not in an area for which a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

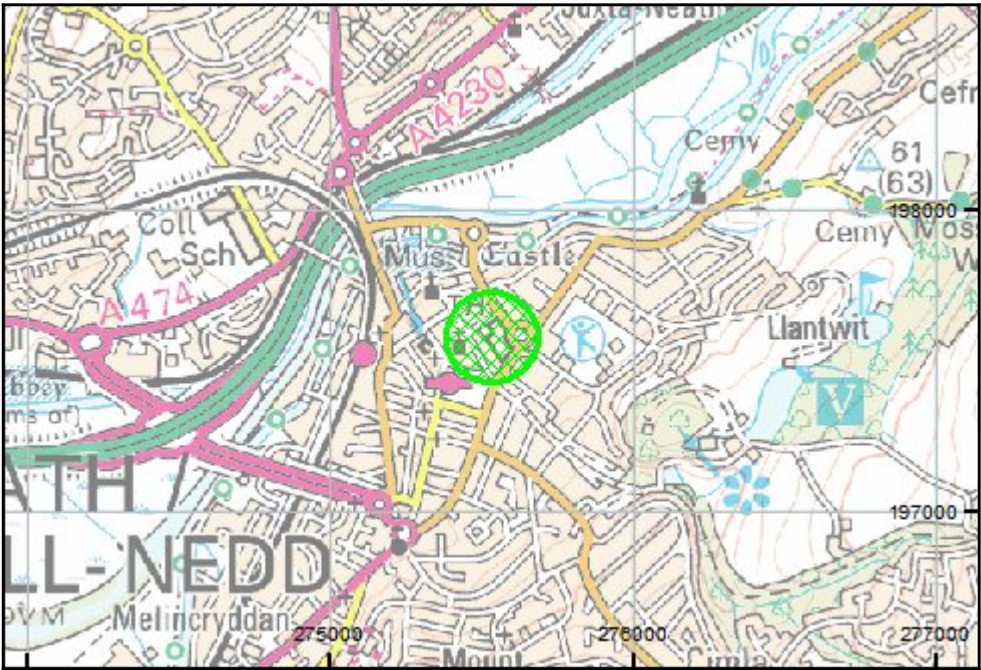
Additional Remarks

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The Coal Authority owns the copyright in this report. The information we have used to write this report is protected by our database right. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

Location map



Approximate position of property

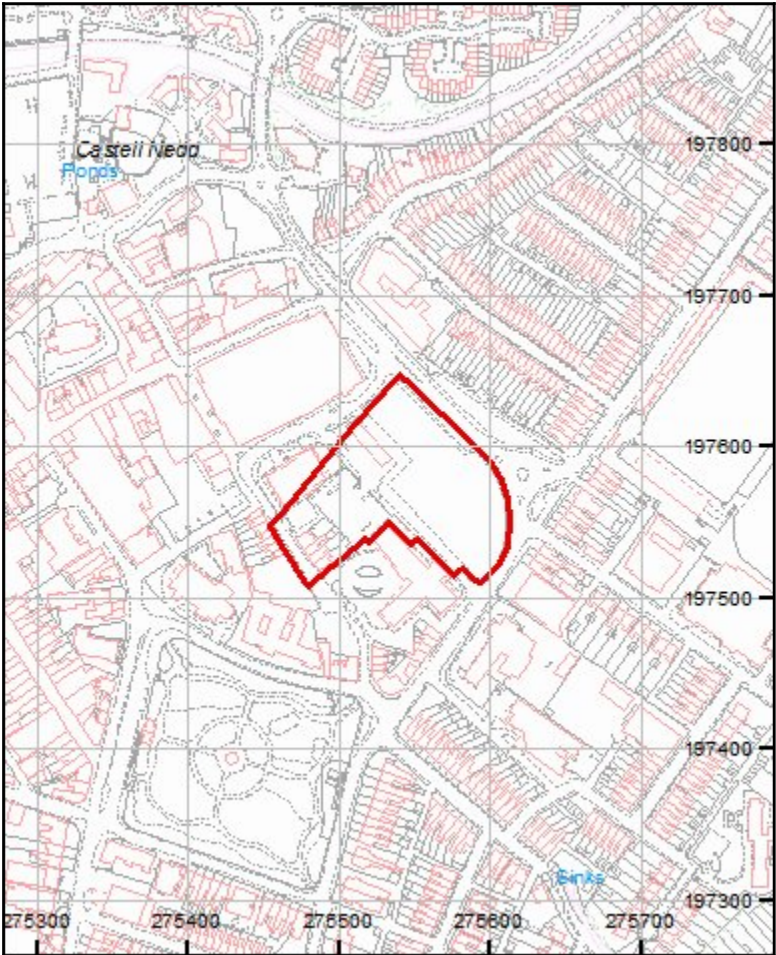


Enquiry boundary

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Key

Approximate position of enquiry boundary shown



Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

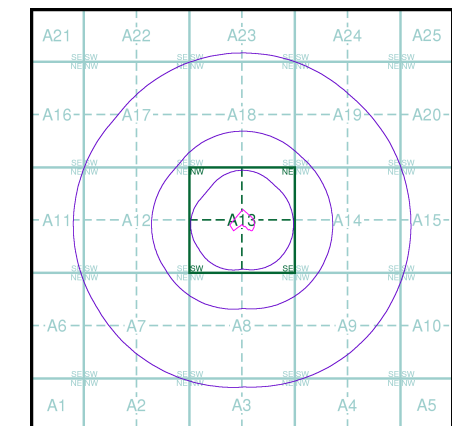
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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



Environmental Scientifics Group
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	2
Glamorganshire	1:10,560	1900	3
Glamorganshire	1:10,560	1921	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1935 - 1936	6
Glamorganshire	1:10,560	1938 - 1951	7
Historical Aerial Photography	1:10,560	1945 - 1949	8
Glamorganshire	1:10,560	1951 - 1952	9
Ordnance Survey Plan	1:10,000	1964 - 1965	10
Ordnance Survey Plan	1:10,000	1970 - 1973	11
Ordnance Survey Plan	1:10,000	1980 - 1983	12
Ordnance Survey Plan	1:10,000	1992	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2013	15

Historical Map - Slice A



Order Details

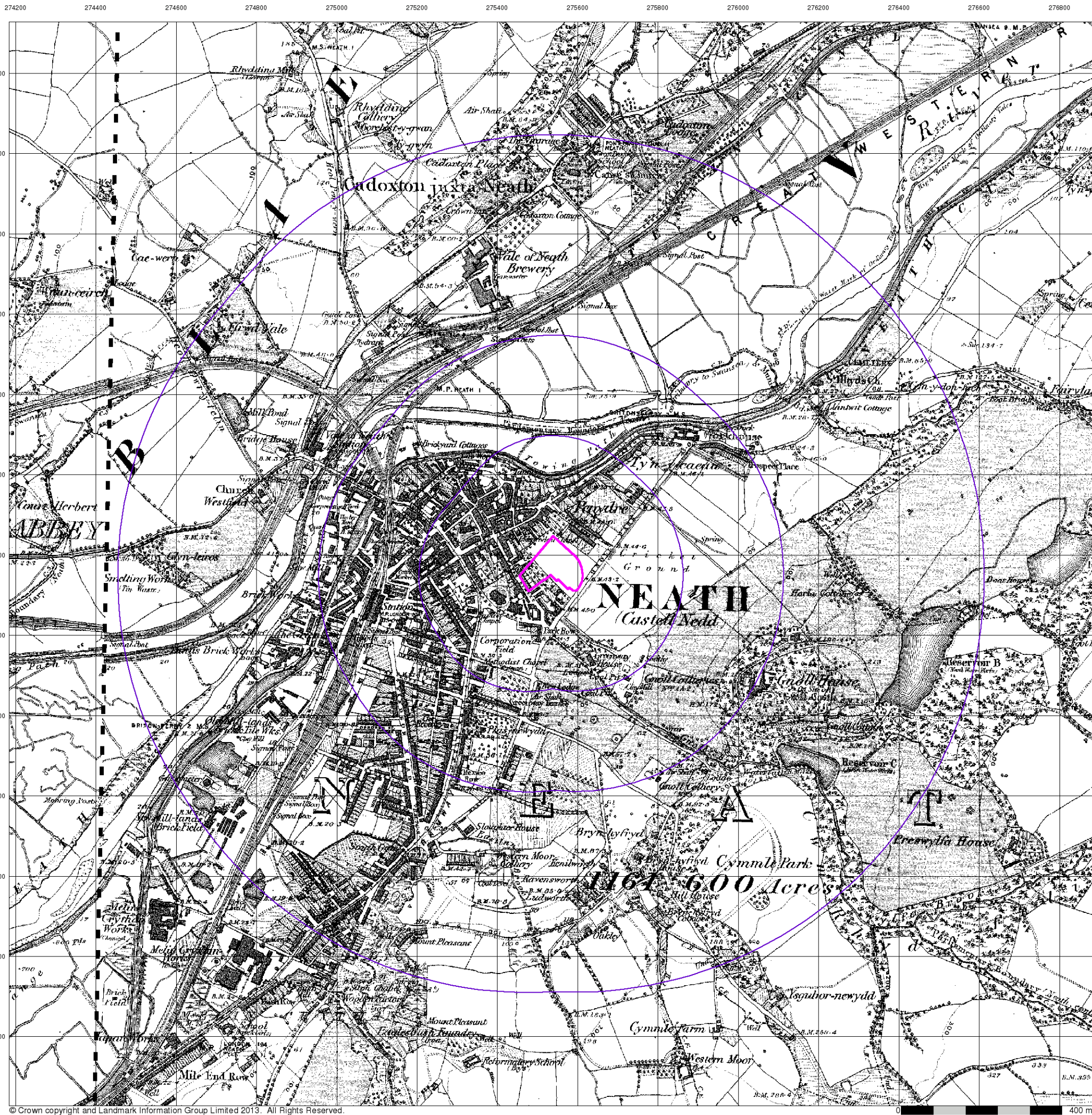
Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH,
West Glamorgan, SA11 3QZ

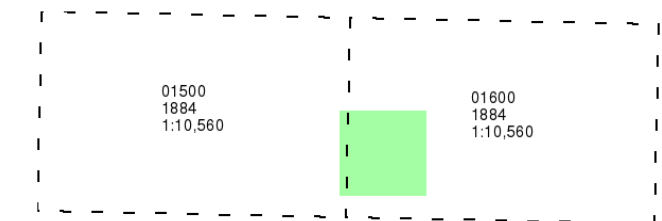


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Fax: 0844 844 9951
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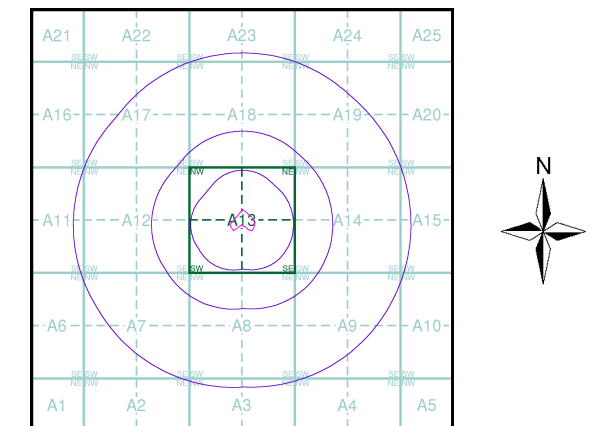


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

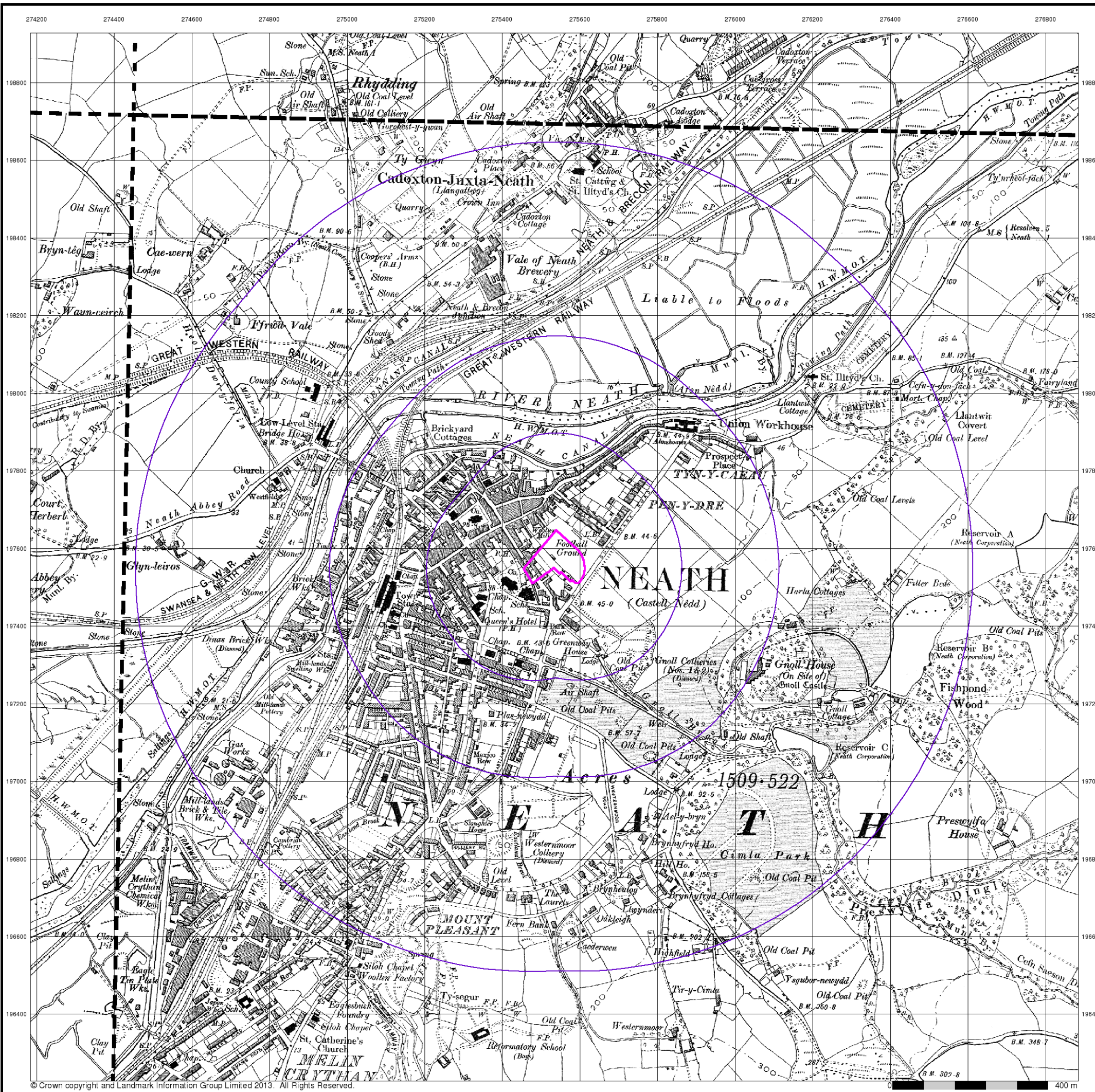


Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Groll Park Road, NEATH, West Glamorgan, SA11 3QZ

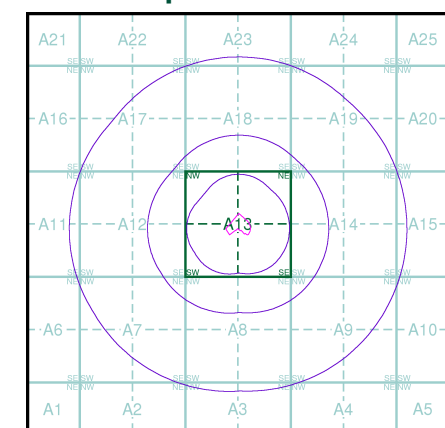


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Map Name(s) and Date(s)

015NE 1900 1:10,560	016NW 1900 1:10,560
015SE 1900 1:10,560	016SW 1900 1:10,560

Historical Map - Slice A

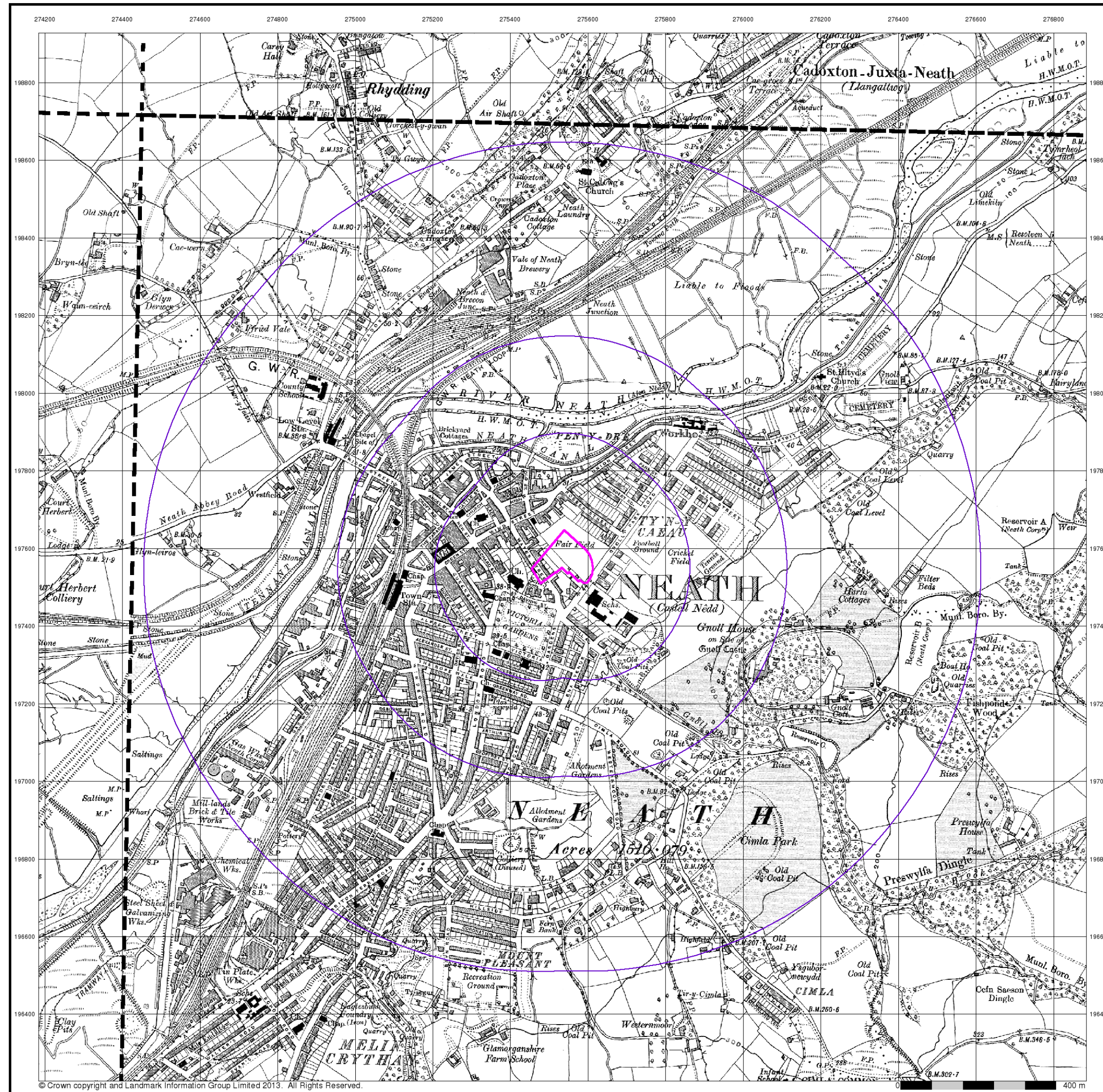


Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Groll Park Road, NEATH, West Glamorgan, SA11 3QZ



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Glamorganshire

Published 1921

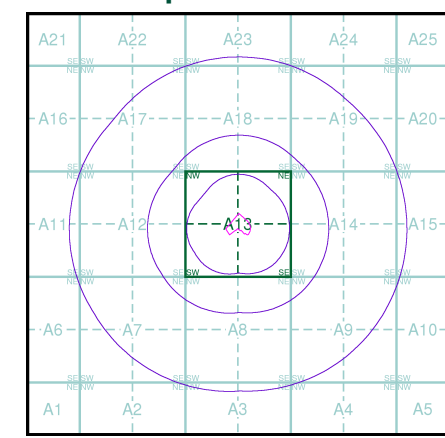
Source map scale - 1:10,560

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)

015NE 1921 1:10,560	016NW 1921 1:10,560
015SE 1921 1:10,560	016SW 1921 1:10,560

Historical Map - Slice A



Order Details

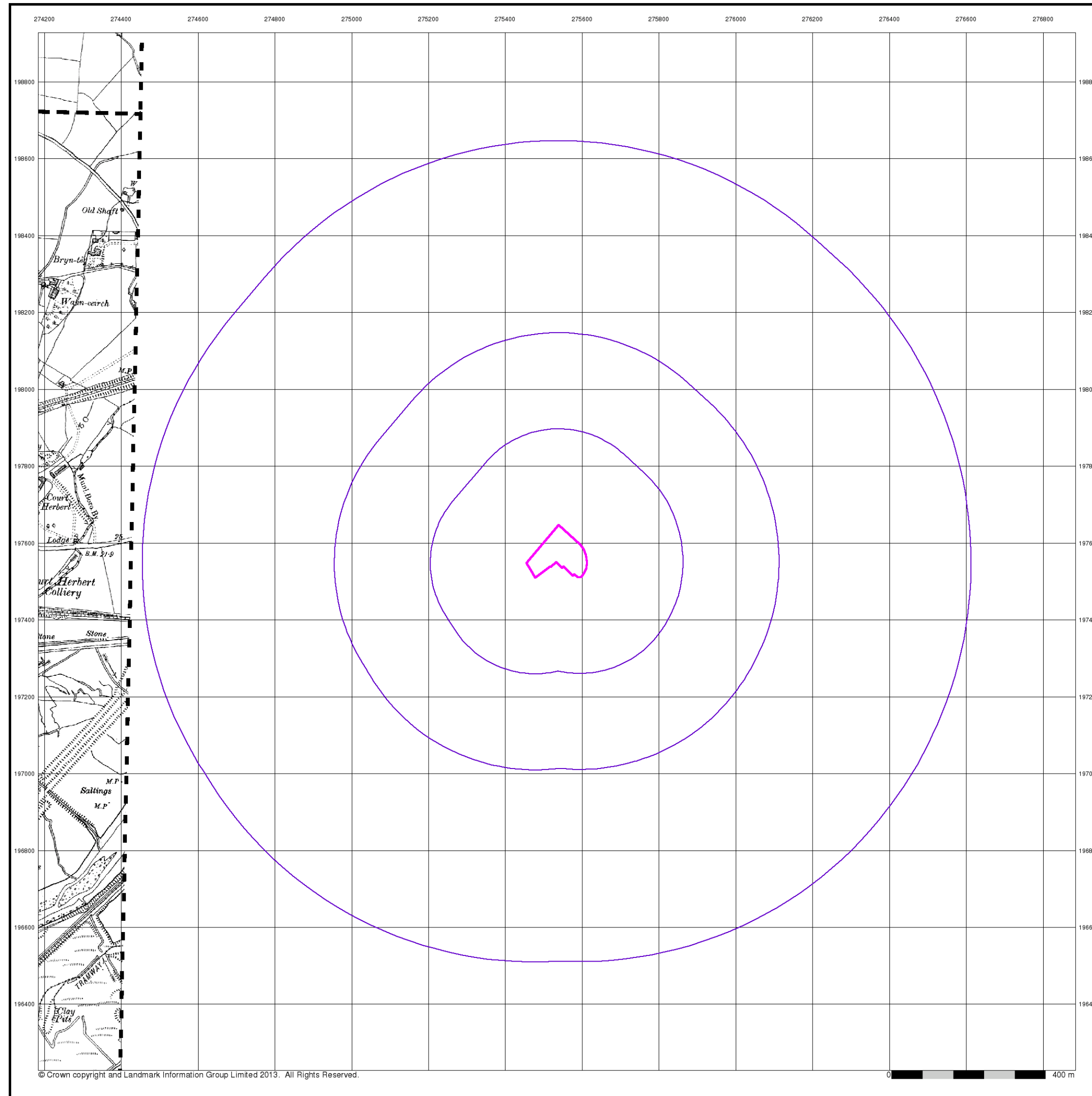
Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoil Park Road, NEATH, West Glamorgan, SA11 3QZ



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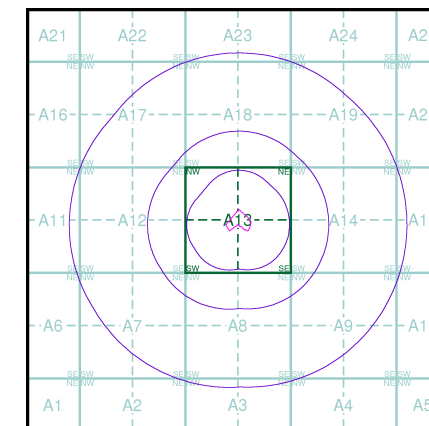
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Map Name(s) and Date(s)

015NE 1921 1:10,560	
015SE 1921 1:10,560	

Historical Map - Slice A

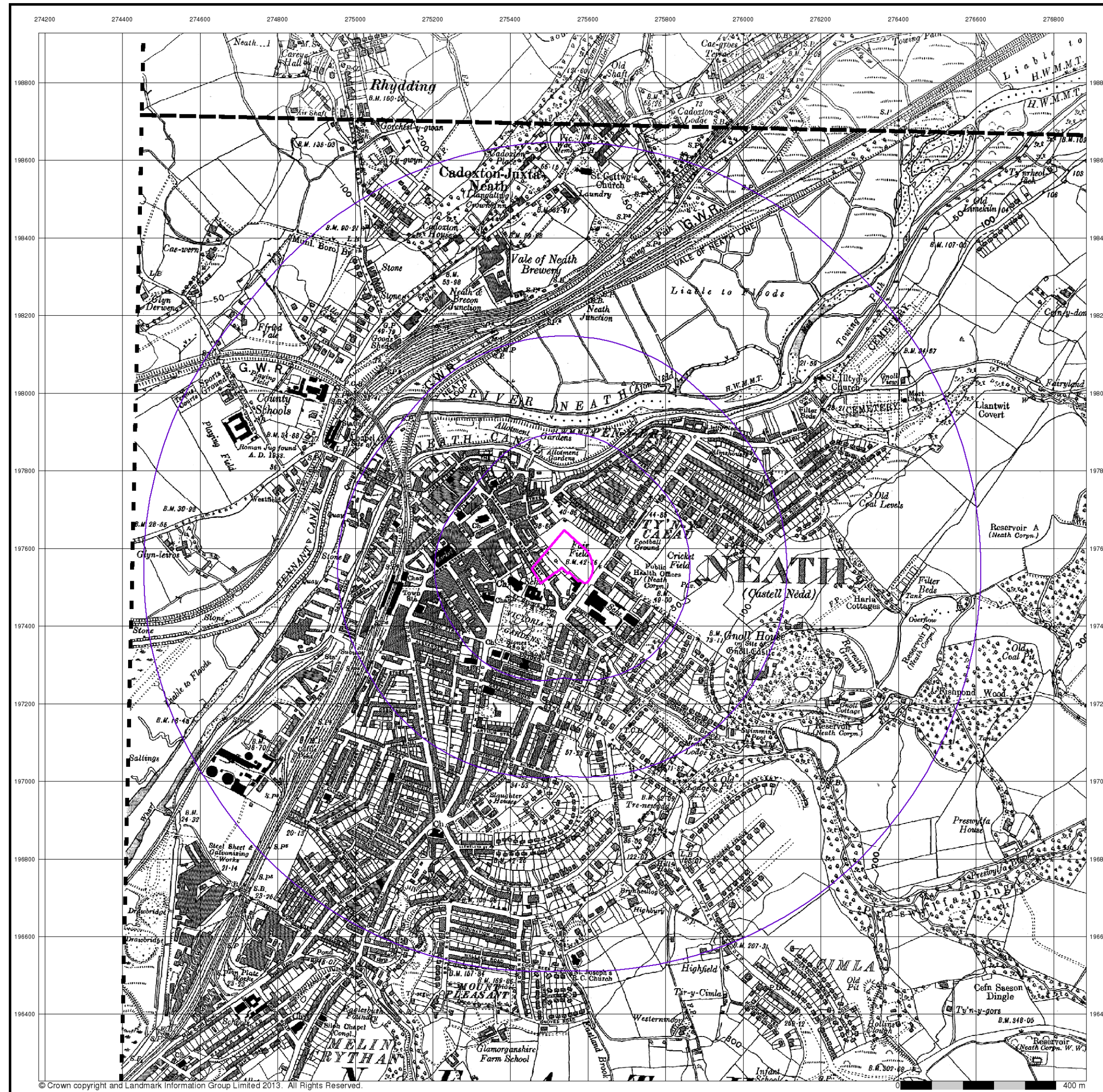


Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

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Glamorganshire

Published 1935 - 1936

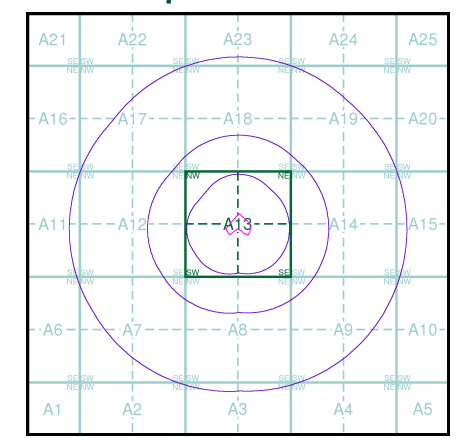
Source map scale - 1:10,560

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)

016NW
1935
1:10,560
016SW
1936
1:10,560

Historical Map - Slice A



Order Details

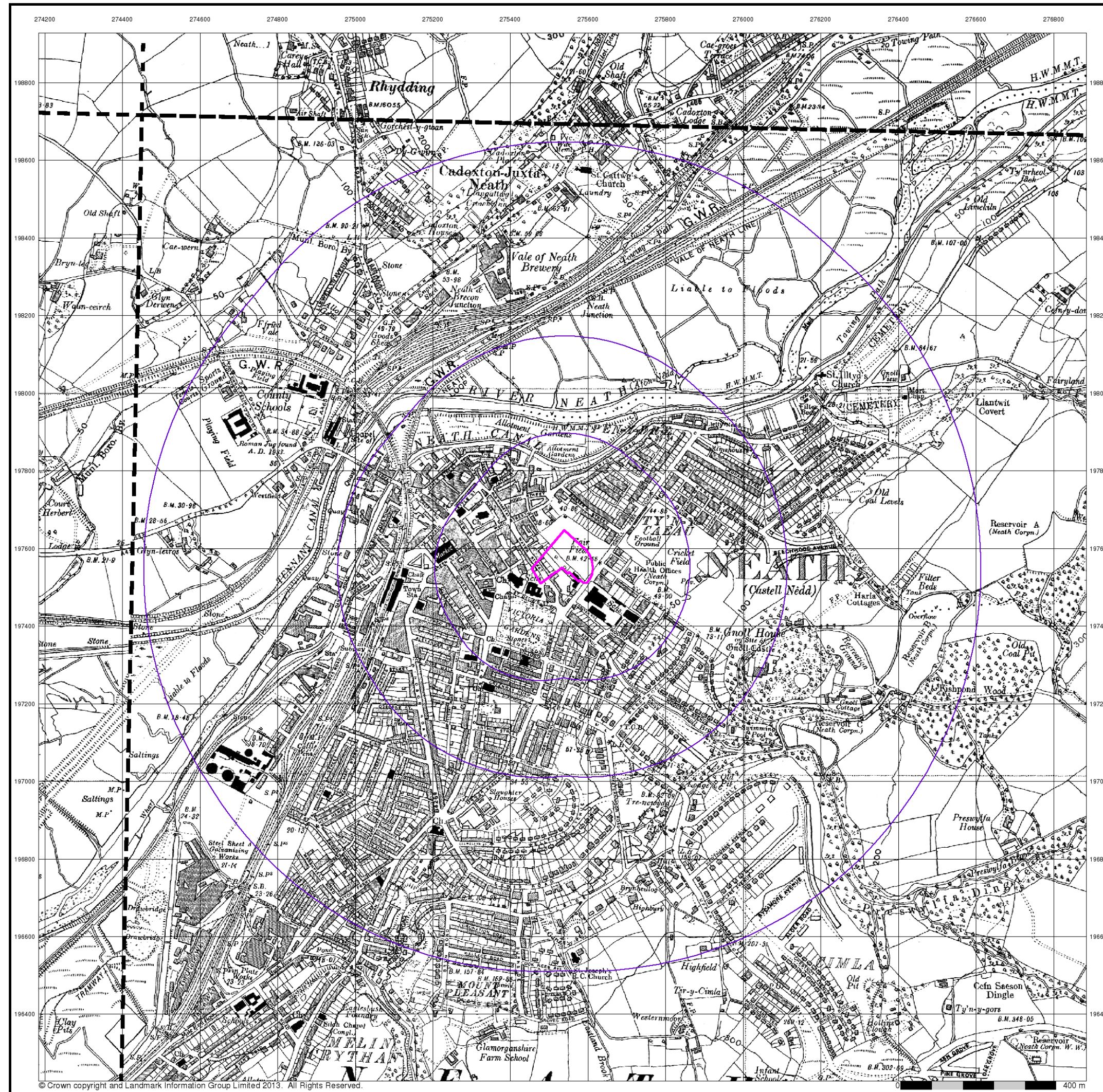
Order Number:	52212038_1_1
Customer Ref:	A3188-13
National Grid Reference:	275540, 197560
Slice:	A
Site Area (Ha):	1.21
Search Buffer (m):	1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ



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Glamorganshire

Published 1938 - 1951

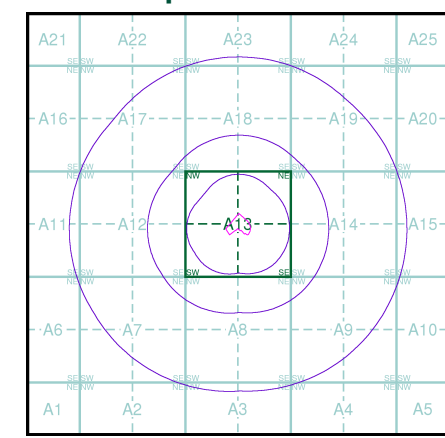
Source map scale - 1:10,560

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)

015NE 1938 1:10,560	016NW 1951 1:10,560
015SE 1940 1:10,560	016SW 1938 1:10,560

Historical Map - Slice A



Order Details

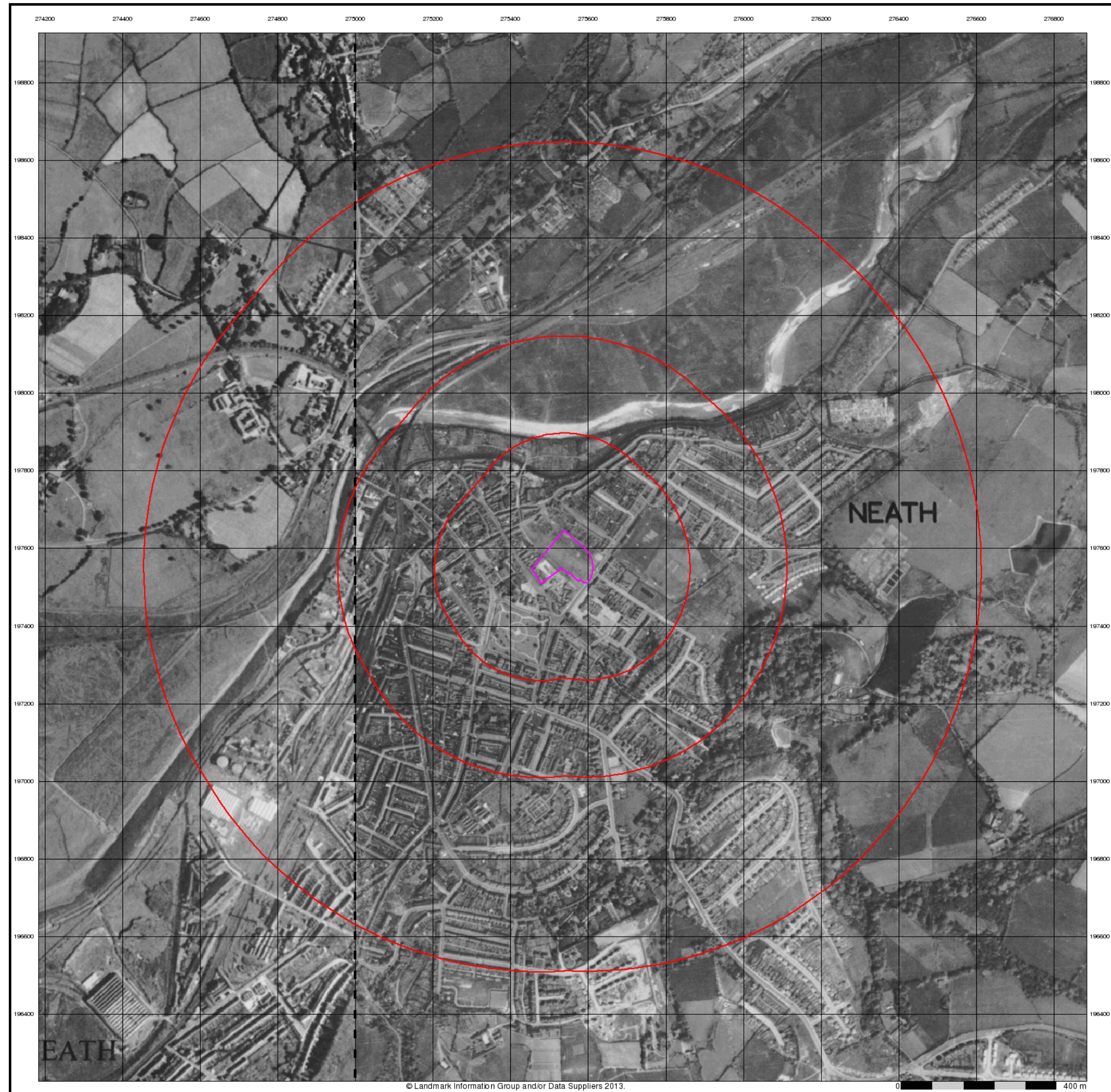
Order Number: 52212038_1_1
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Historical Aerial Photography

Published 1945 - 1949

Source map scale - 1:10,560

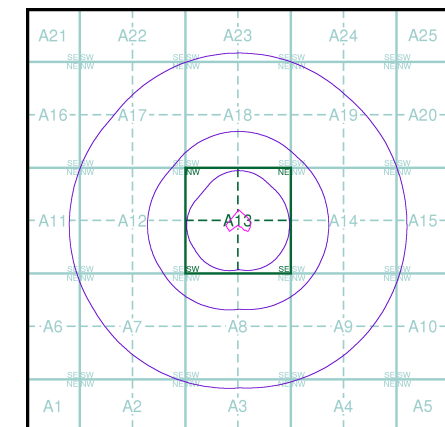
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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Map Name(s) and Date(s)

SS79NW 1945 1:10,560	SS79NE 1949 1:10,560
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Historical Aerial Photography - Slice A



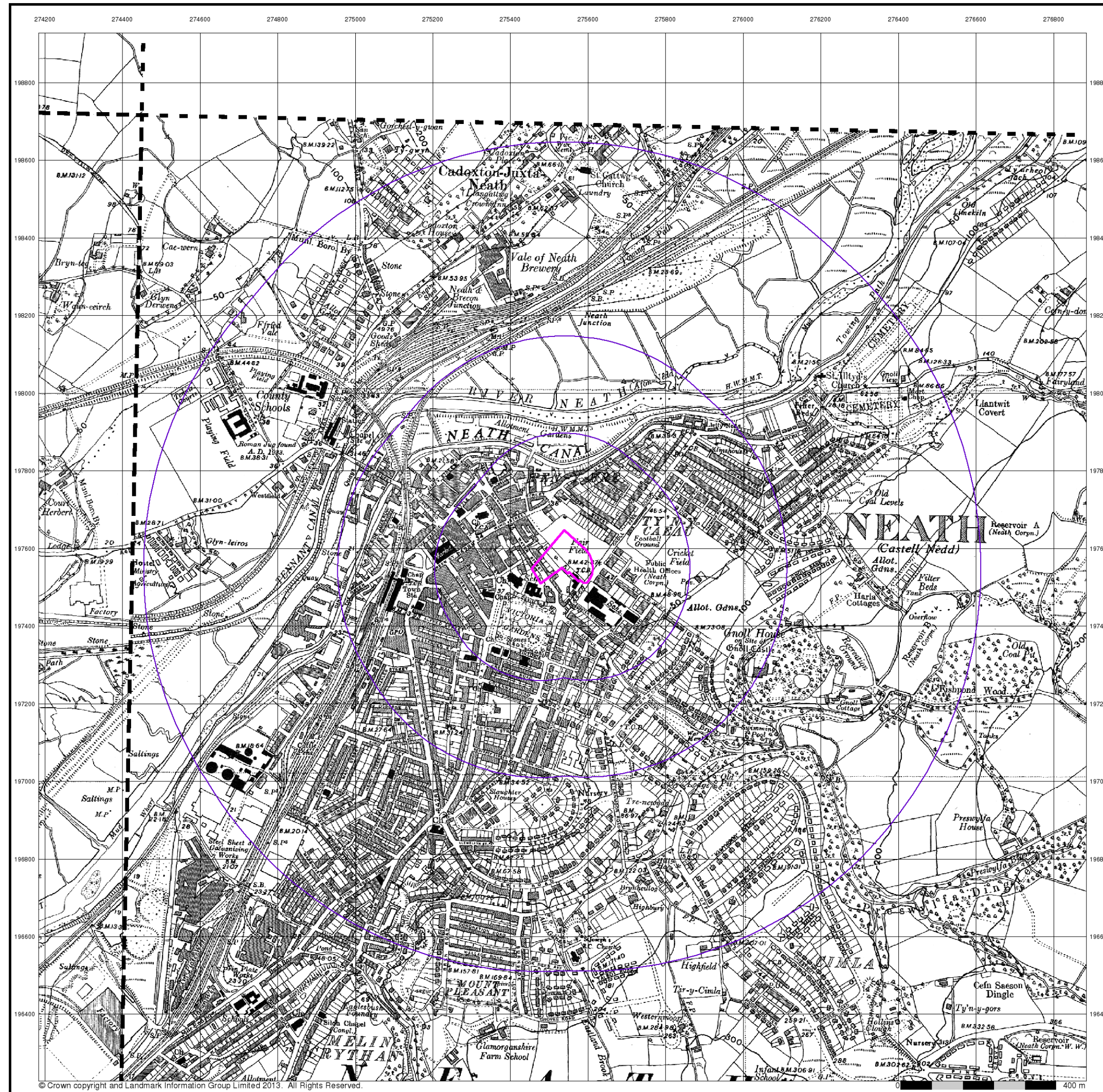
LIBRARY
HSILIRB

Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ



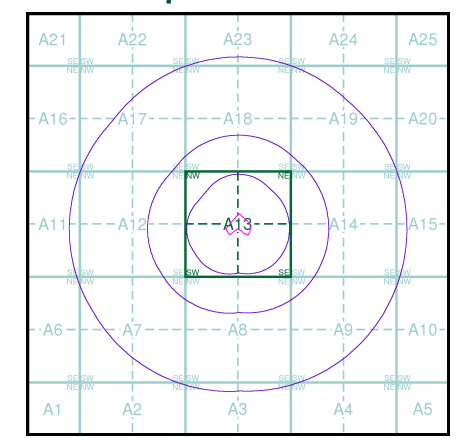
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Map Name(s) and Date(s)

015NE 1951 1:10,560	
015SE 1952 1:10,560	016SW 1951 1:10,560

Historical Map - Slice A

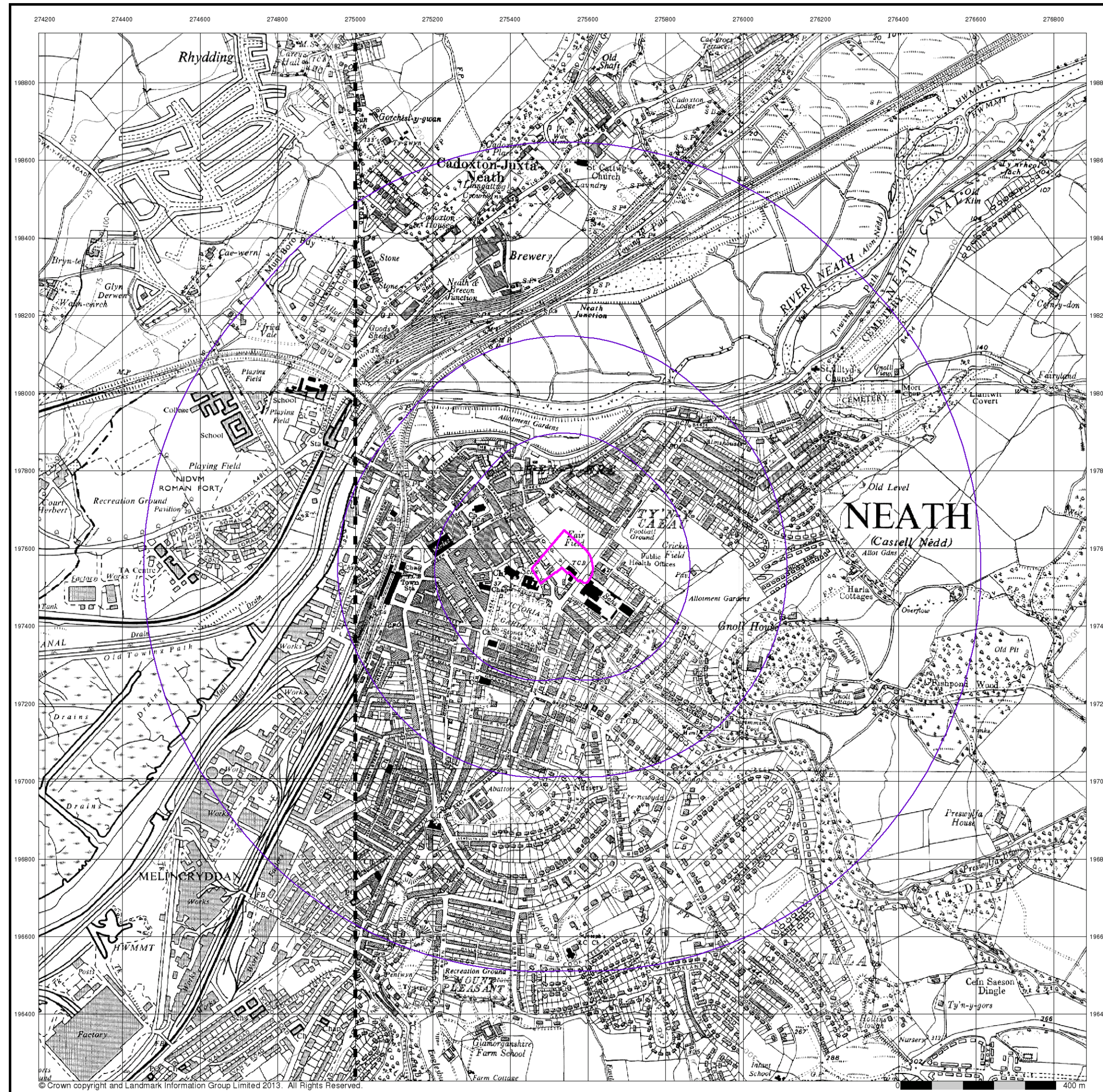


Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ



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Environmental Scientifics Group

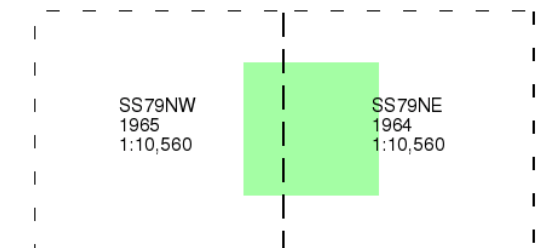
Ordnance Survey Plan

Published 1964 - 1965

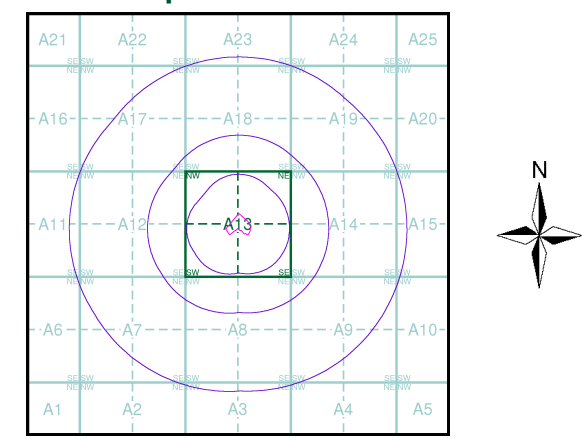
Source map scale - 1:10,000

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

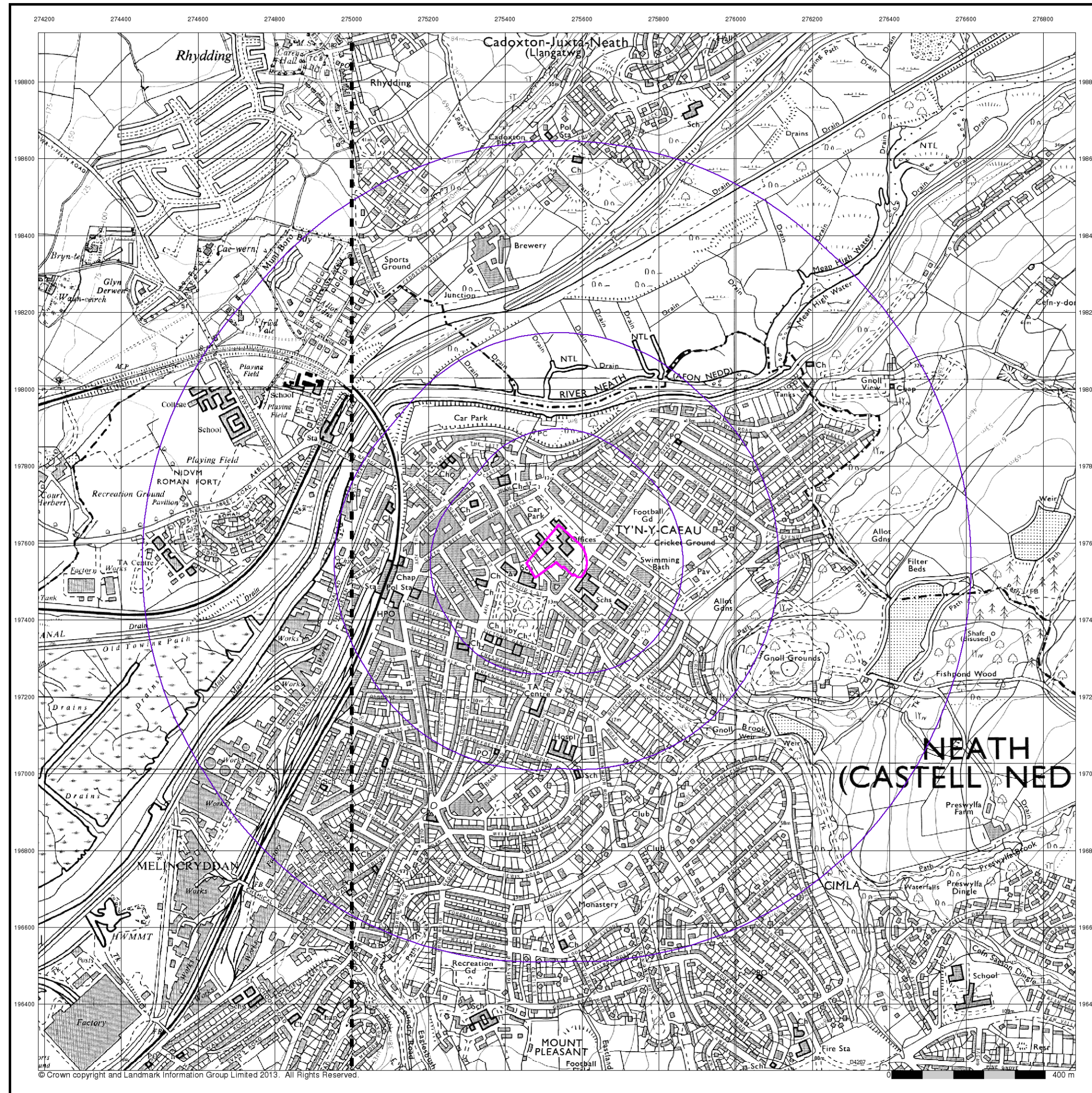
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Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 1000

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ



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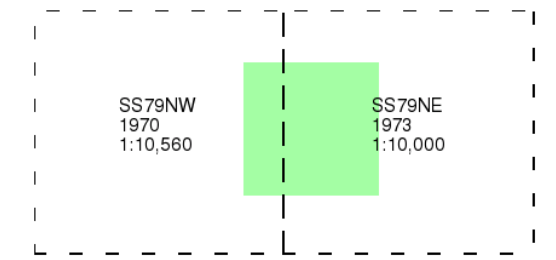
Ordnance Survey Plan

Published 1970 - 1973

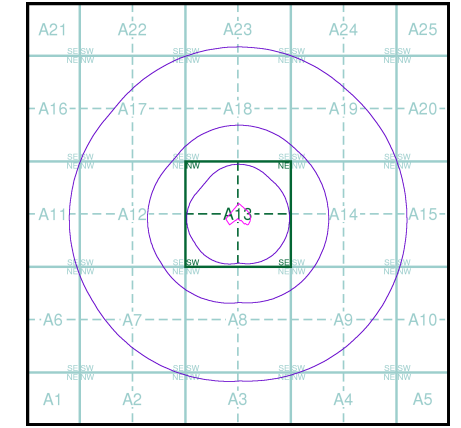
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

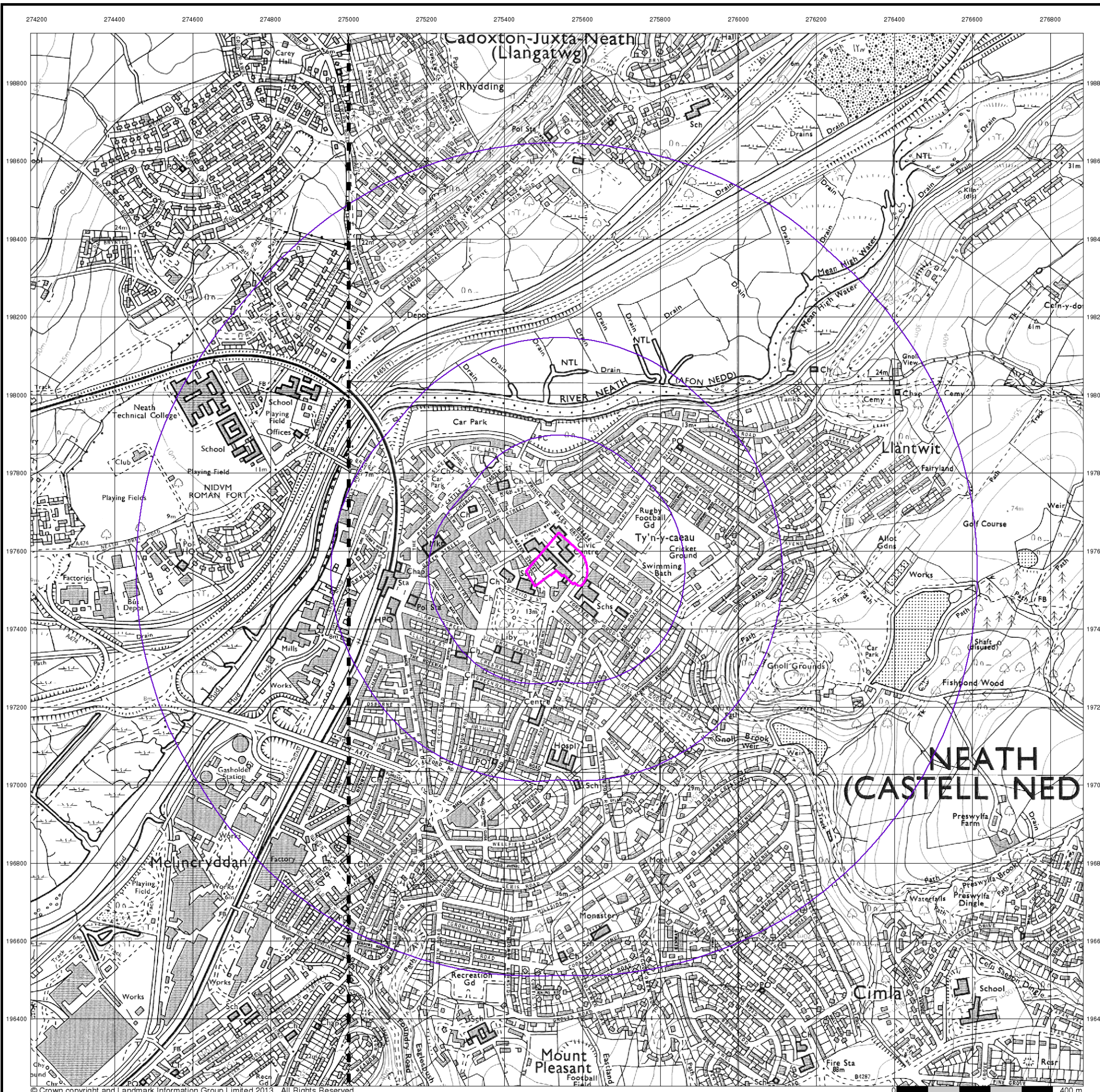
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Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ

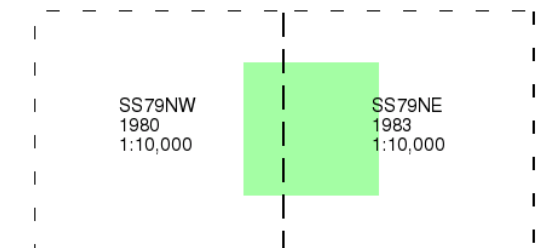


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

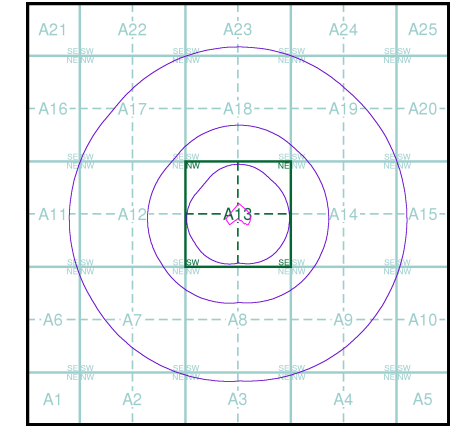


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

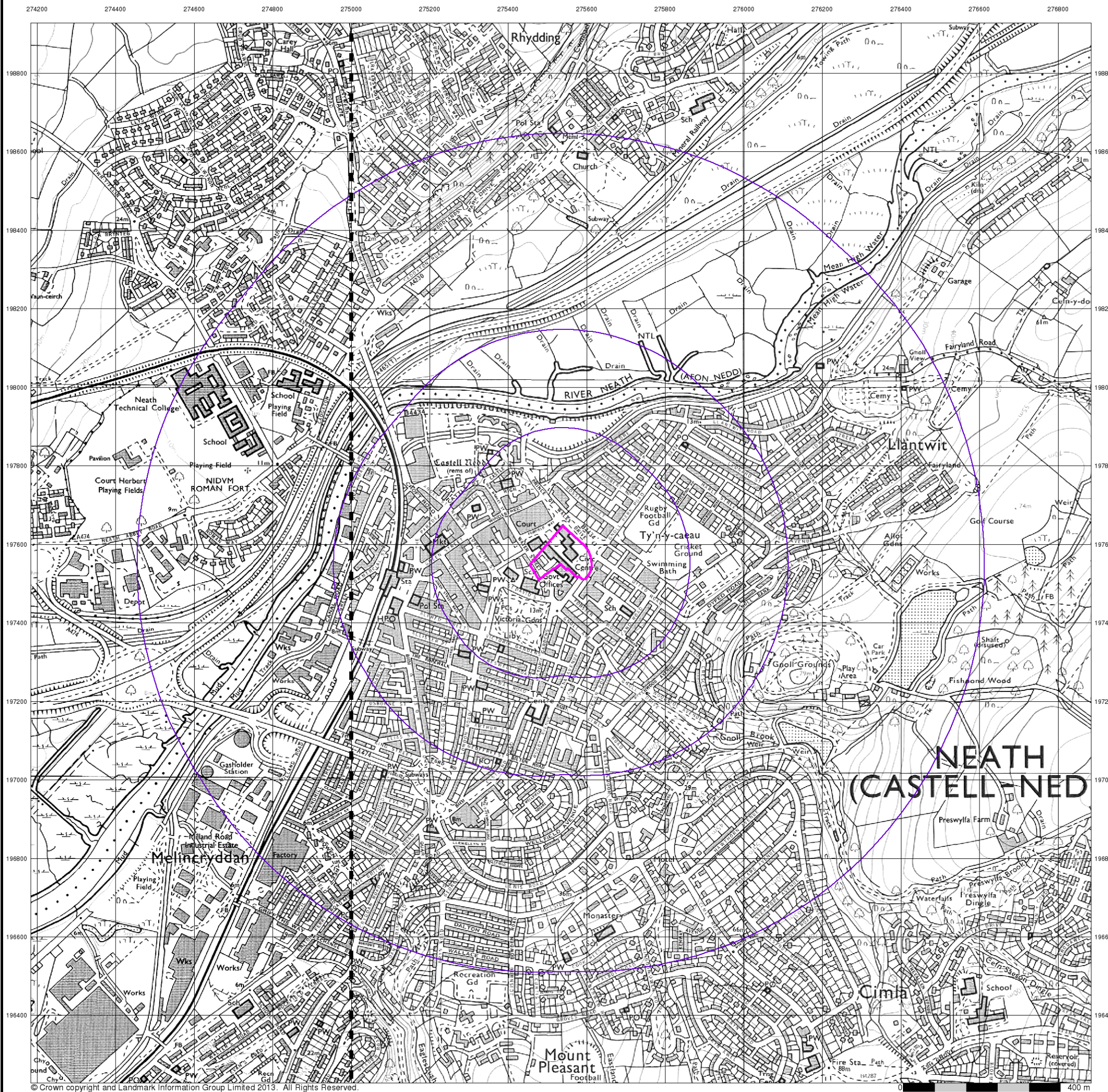


Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
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Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ



Environmental Scientifics Group

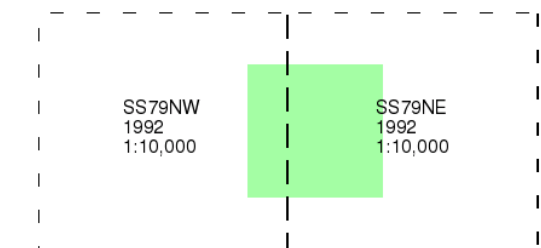
Ordnance Survey Plan

Published 1992

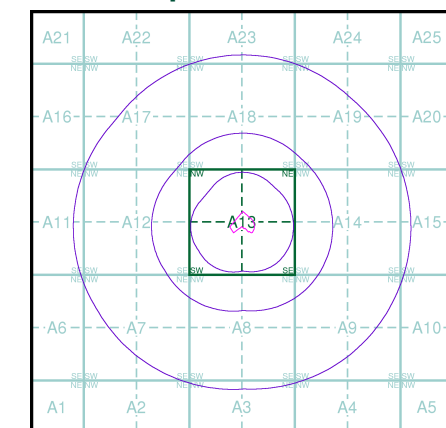
Source map scale - 1:10,000

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

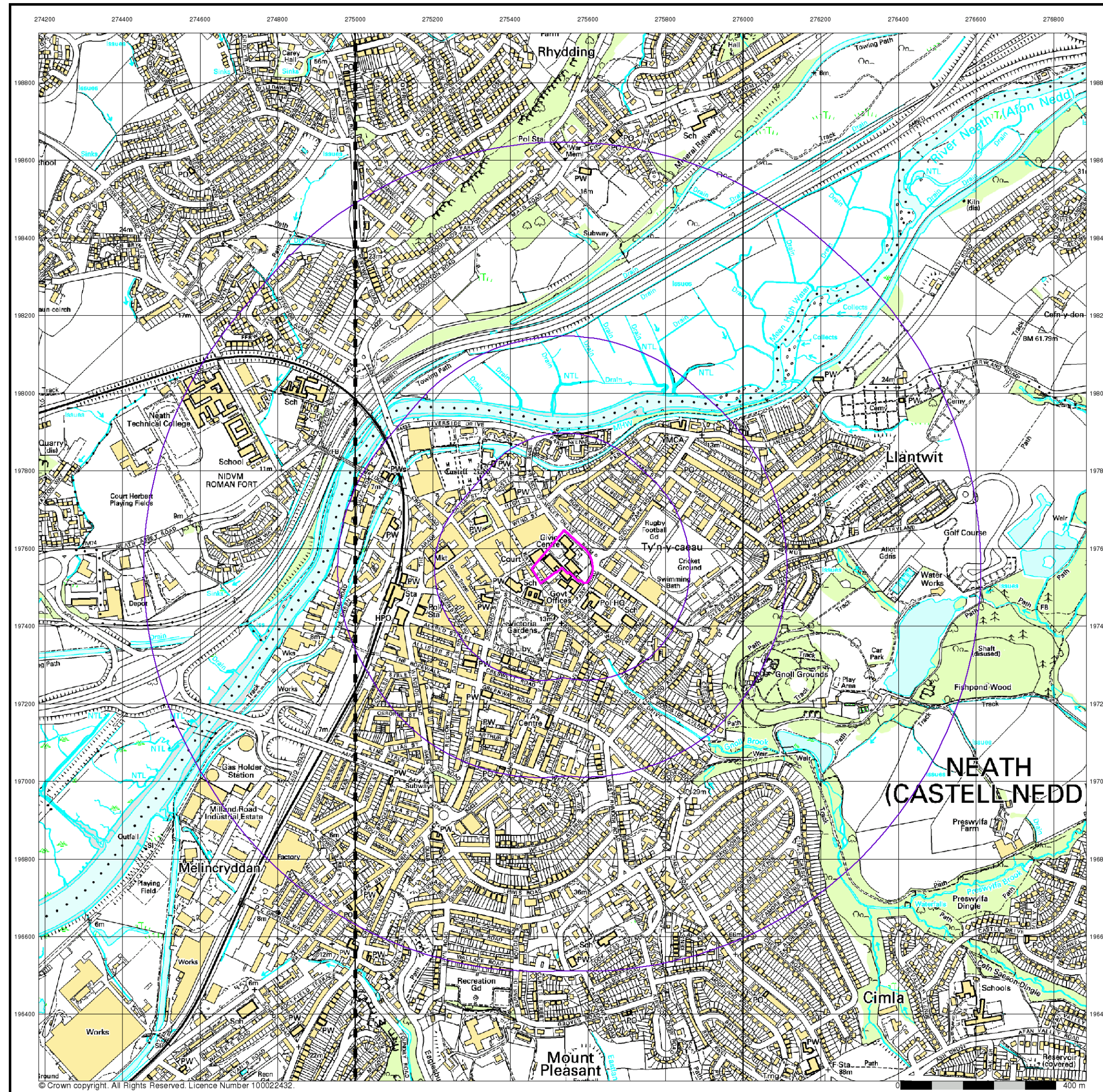
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Site Details

Neath Town Centre Redevelopment, Groll Park Road, NEATH, West Glamorgan, SA11 3QZ



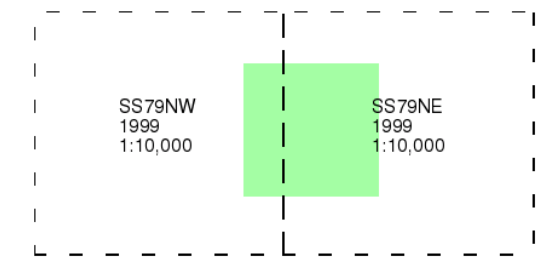
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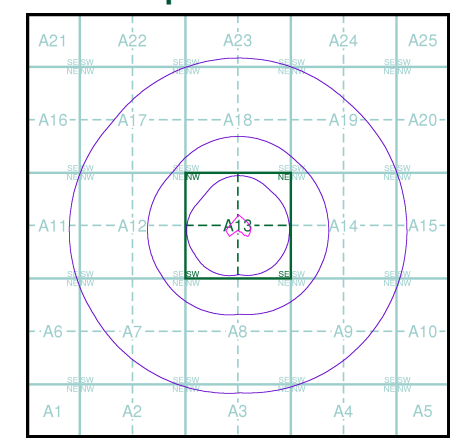
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The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, 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)



Historical Map - Slice A

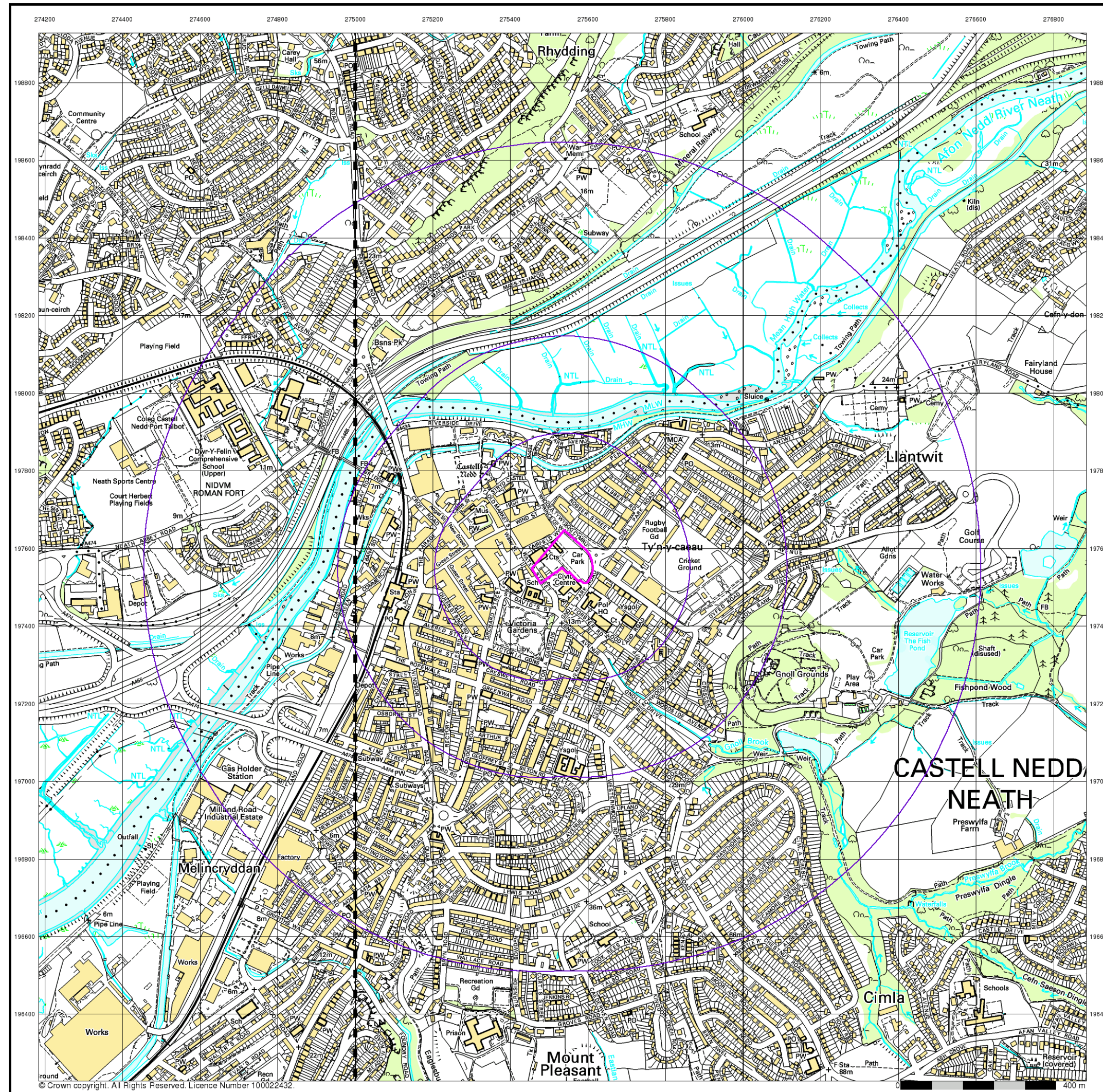


Order Details

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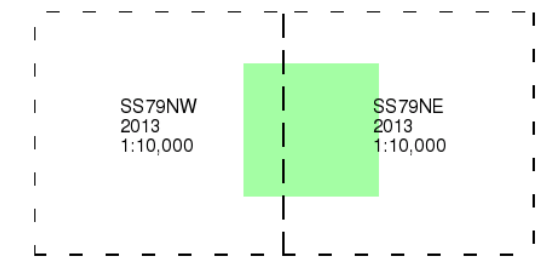
Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ

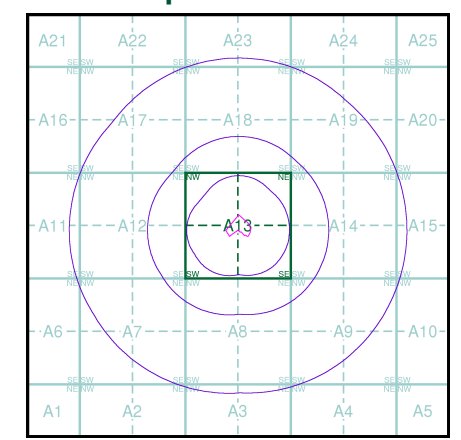


The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)



Historical Map - Slice A



Order Details

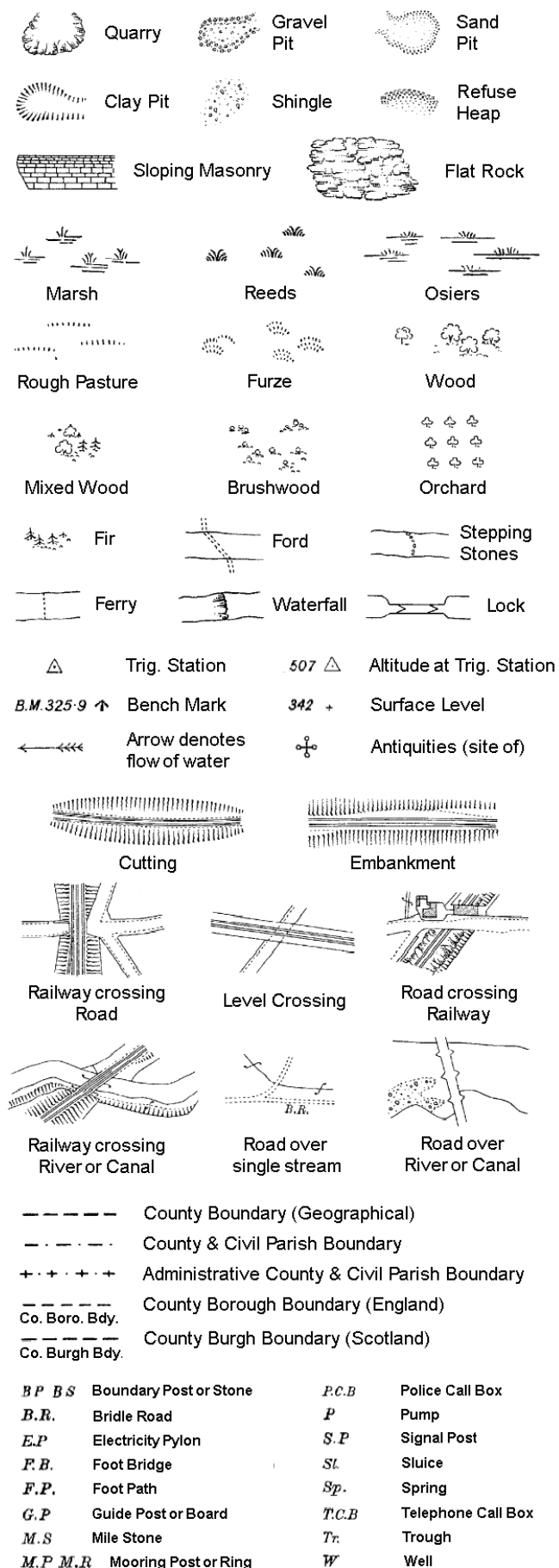
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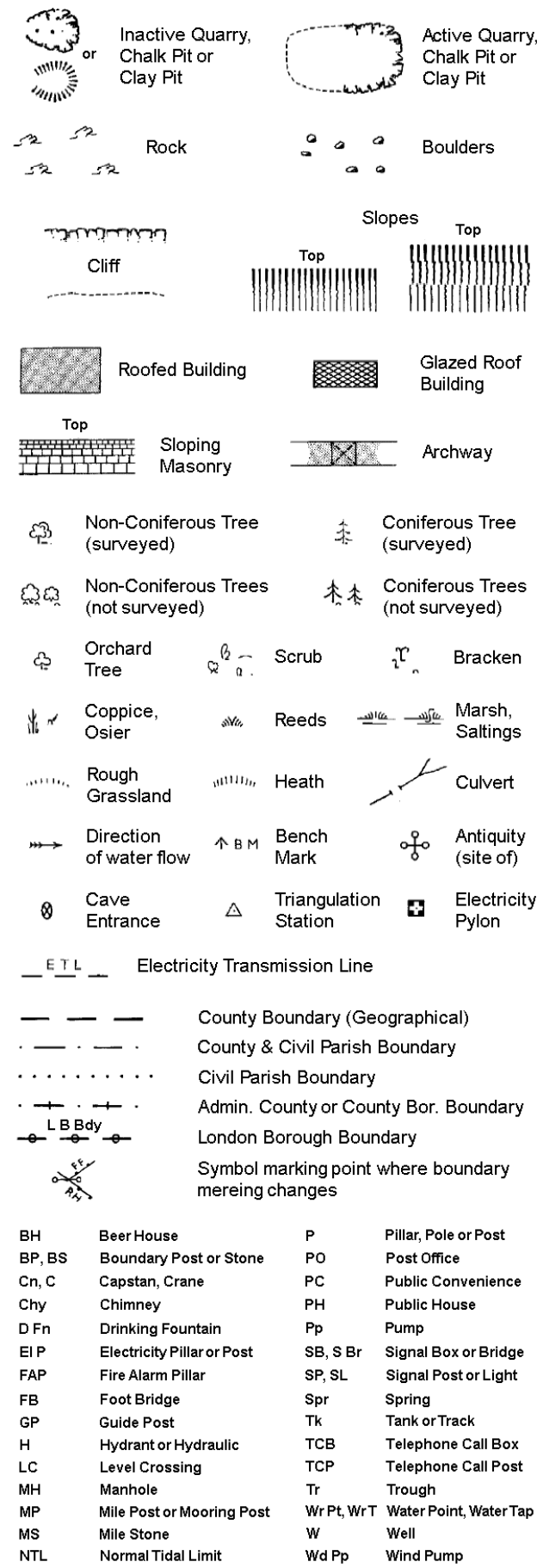
Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ

Historical Mapping Legends

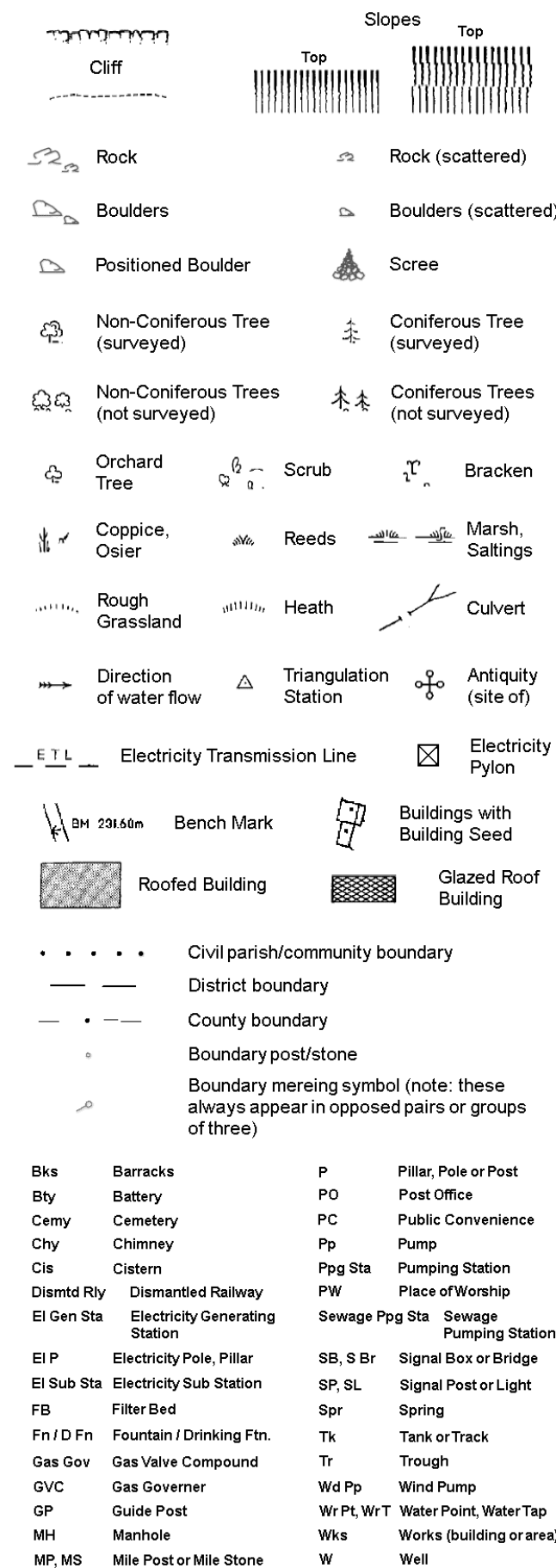
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



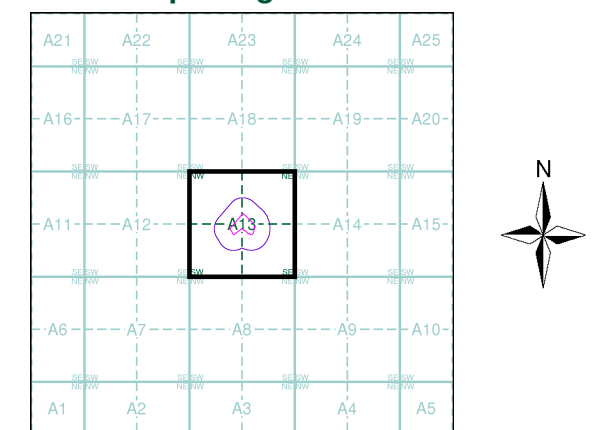
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1877	2
Glamorganshire	1:2,500	1899	3
Glamorganshire	1:2,500	1919	4
Glamorganshire	1:2,500	1935	5
Ordnance Survey Plan	1:1,250	1951	6
Ordnance Survey Plan	1:1,250	1962 - 1967	7
Additional SIMs	1:1,250	1962 - 1989	8
Ordnance Survey Plan	1:2,500	1965	9
Ordnance Survey Plan	1:1,250	1967 - 1974	10
Ordnance Survey Plan	1:2,500	1970	11
Additional SIMs	1:1,250	1982 - 1989	12
Additional SIMs	1:1,250	1989 - 1991	13
Additional SIMs	1:1,250	1990	14
Large-Scale National Grid Data	1:1,250	1993	15
Large-Scale National Grid Data	1:1,250	1993 - 1995	16

Historical Map - Segment A13



Order Details

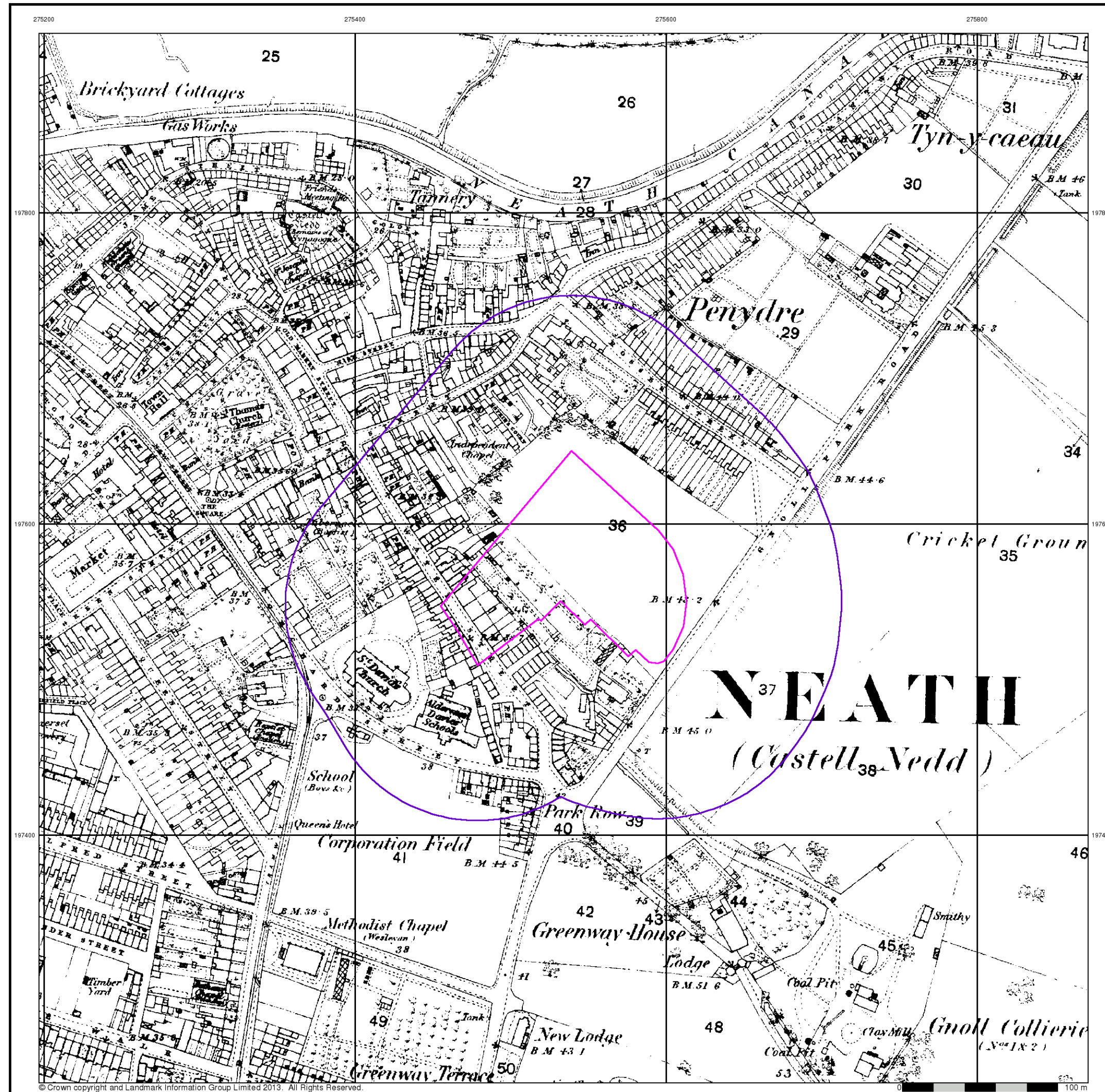
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Site Details

Neath Town Centre Redevelopment, Groll Park Road, NEATH, West Glamorgan, SA11 3QZ

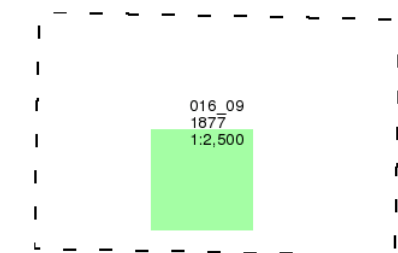


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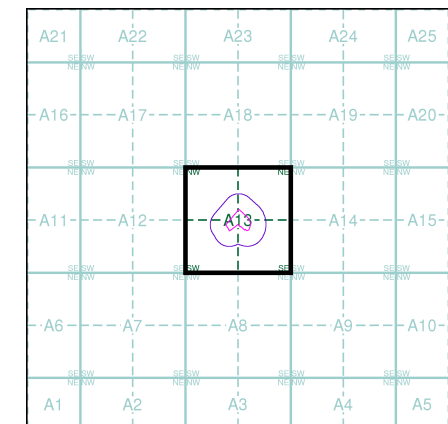


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Map Name(s) and Date(s)



Historical Map - Segment A13

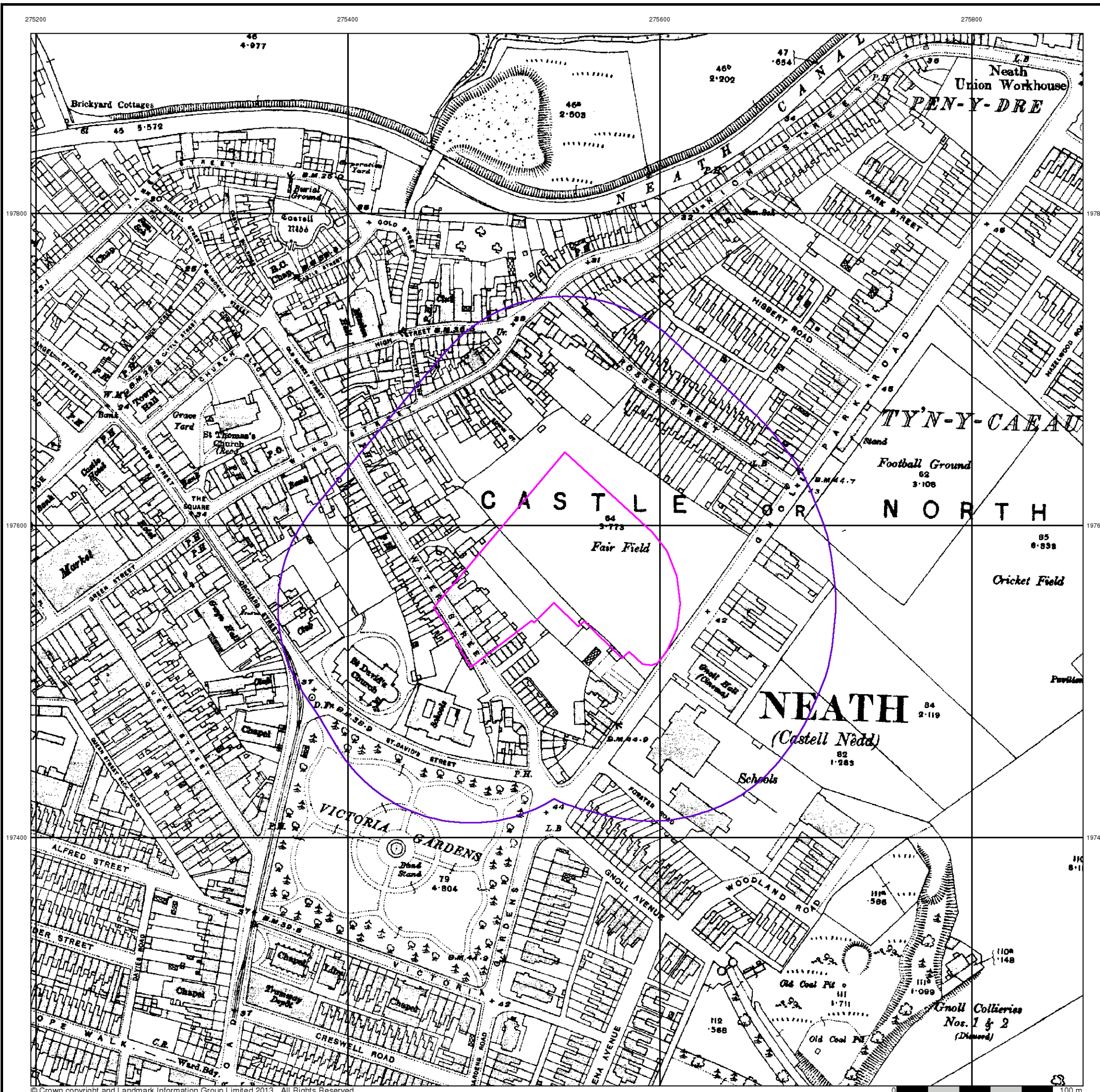


Order Details

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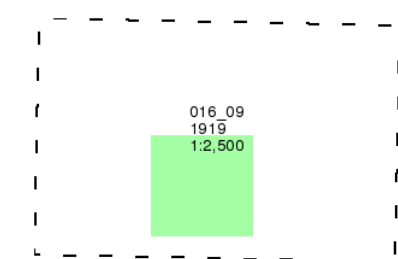
Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ

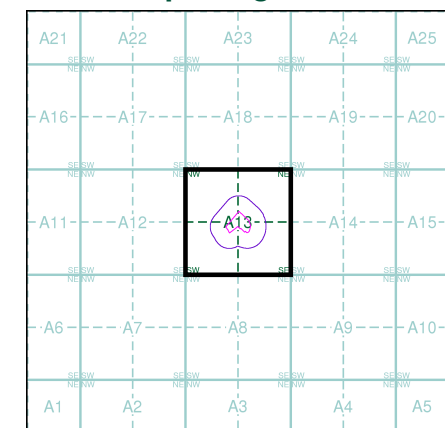


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

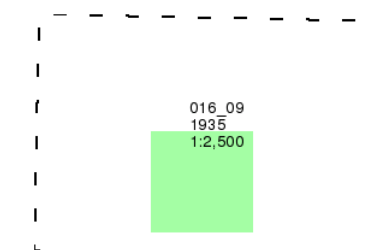
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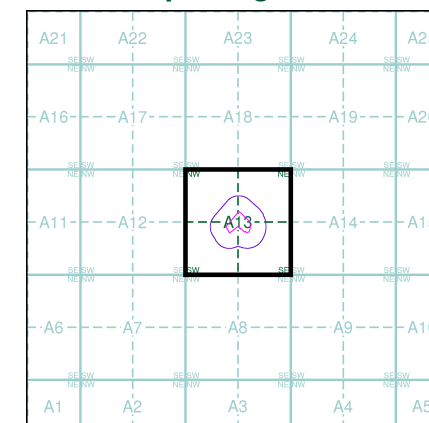
Neath Town Centre Redevelopment, Groll Park Road, NEATH, West Glamorgan, SA11 3QZ

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

Map Name(s) and Date(s)



Historical Map - Segment A13

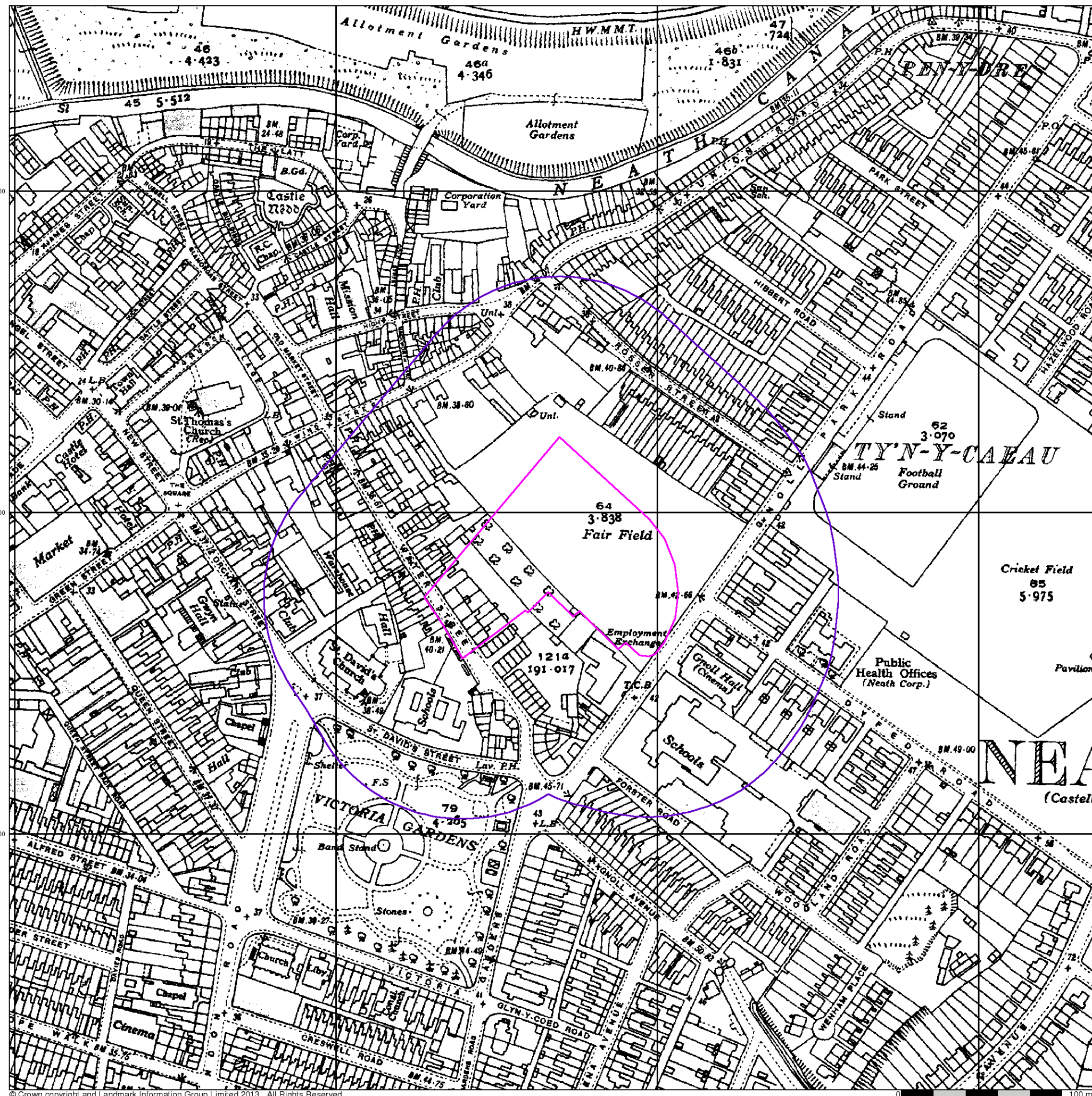


Order Details

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Site Details

Neath Town Centre Redevelopment, Groll Park Road, NEATH,
West Glamorgan, SA11 3QZ

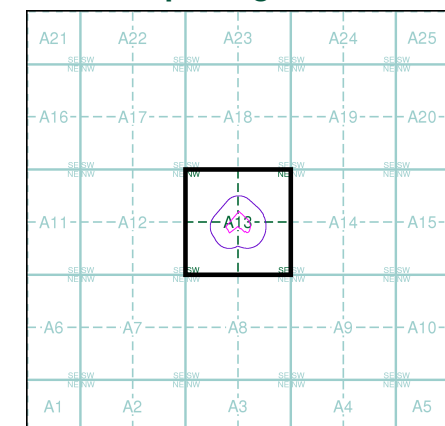


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

SS7597NW 1951 1:1,250	SS7597NE 1951 1:1,250
SS7597SW 1951 1:1,250	SS7597SE 1951 1:1,250

Historical Map - Segment A13

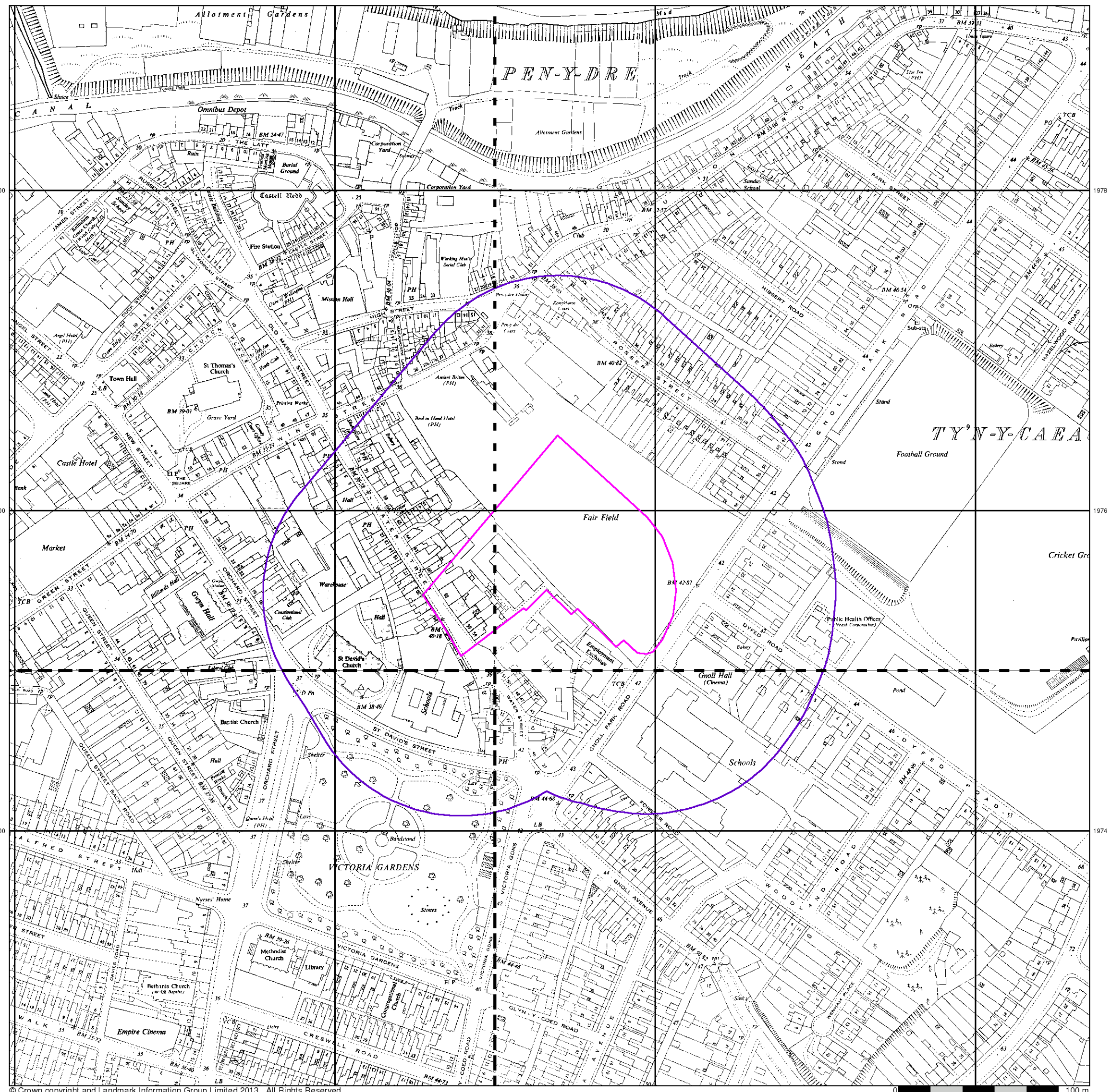


Order Details

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Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 100

Site Details

Neath Town Centre Redevelopment, Gnoil Park Road, NEATH, West Glamorgan, SA11 3QZ



Ordnance Survey Plan

Published 1962 - 1967

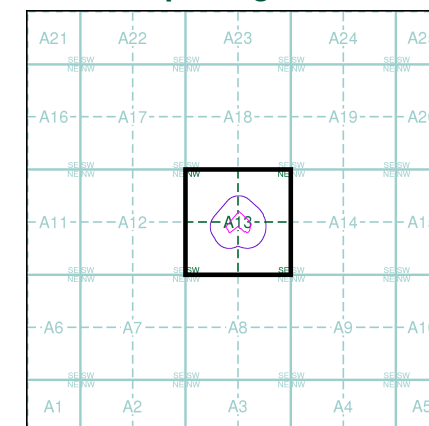
Source map scale - 1:1,250

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)

SS7597NW 1963 1:1,250	SS7597NE 1967 1:1,250
SS7597SW 1967 1:1,250	SS7597SE 1962 1:1,250

Historical Map - Segment A13

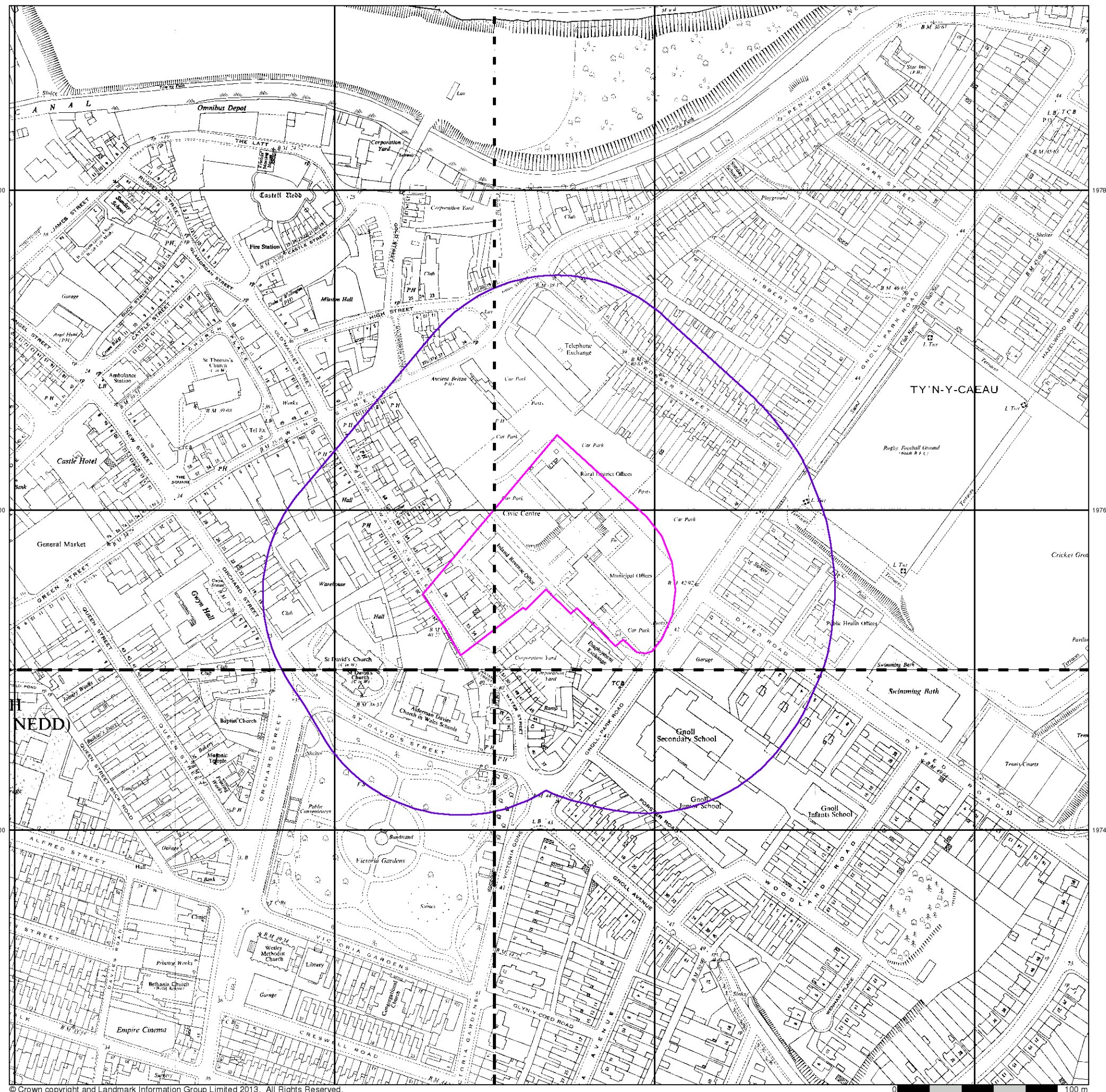


Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 100

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ



275200

275400

275600

275800

Additional SIMs

Published 1962 - 1989

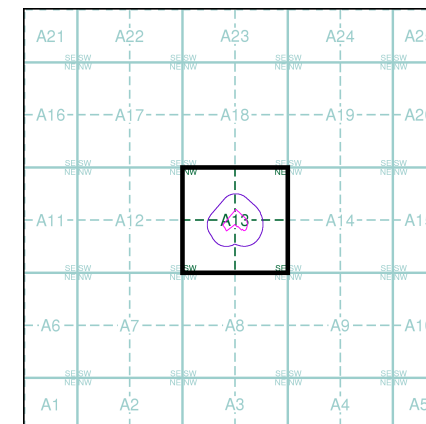
Source map scale - 1:1,250

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)

SS7597NW 1967 1:1,250	SS7597NE 1967 1:1,250
SS7597SW 1989 1:1,250	SS7597SE 1982 1:1,250

Historical Map - Segment A13

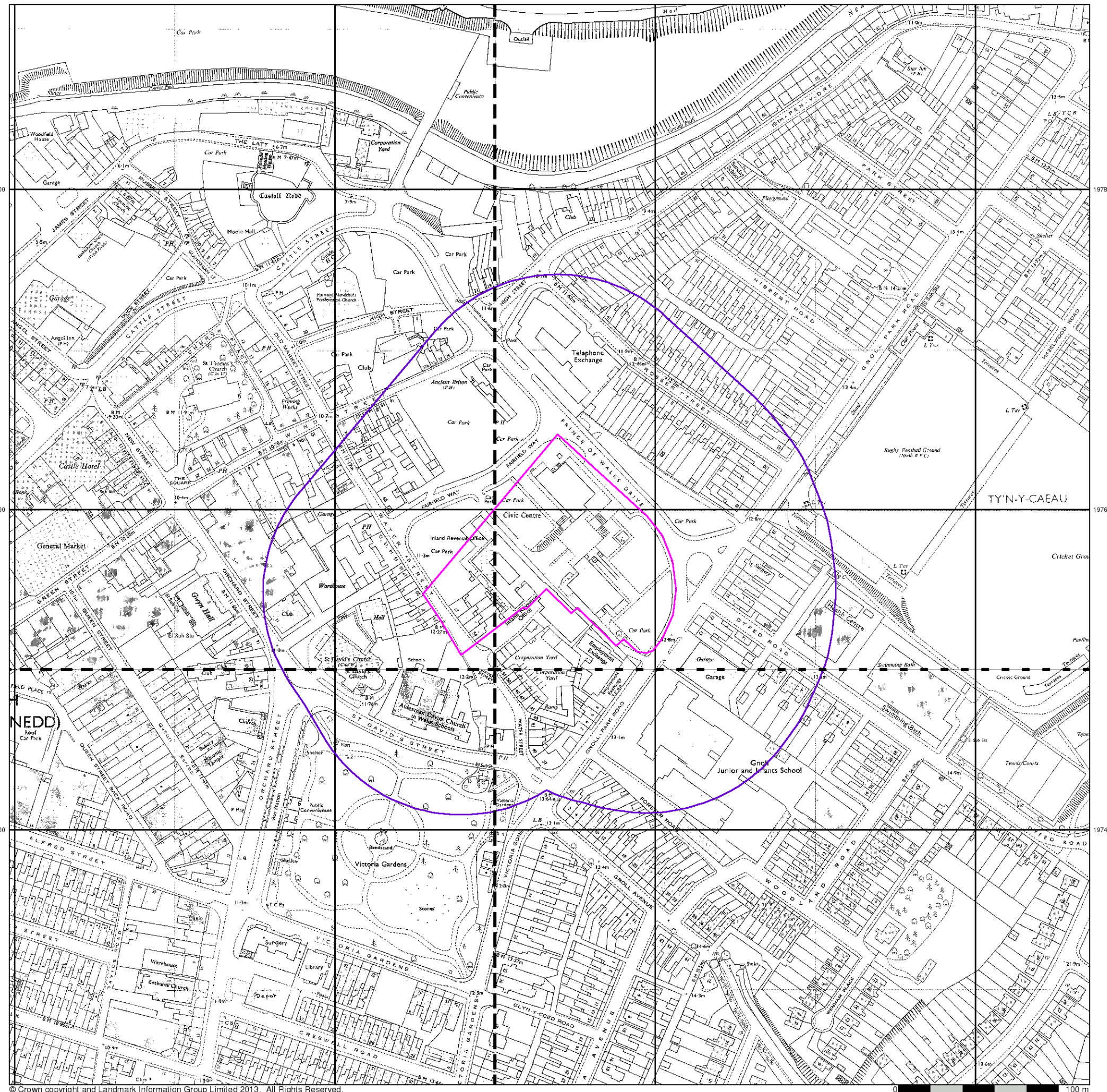


Order Details

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Slice: A
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Search Buffer (m): 100

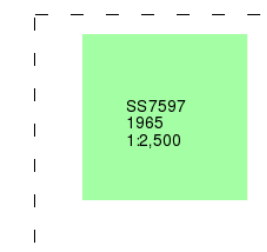
Site Details

Neath Town Centre Redevelopment, Gnoil Park Road, NEATH, West Glamorgan, SA11 3QZ

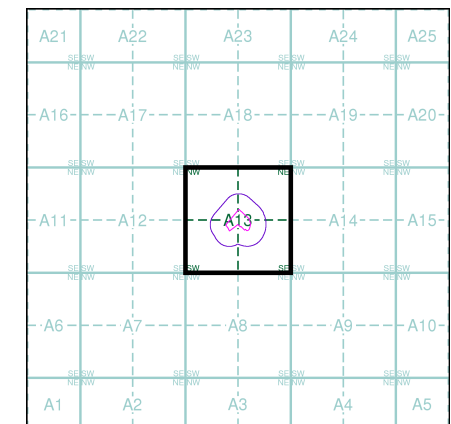


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Map Name(s) and Date(s)



Historical Map - Segment A13

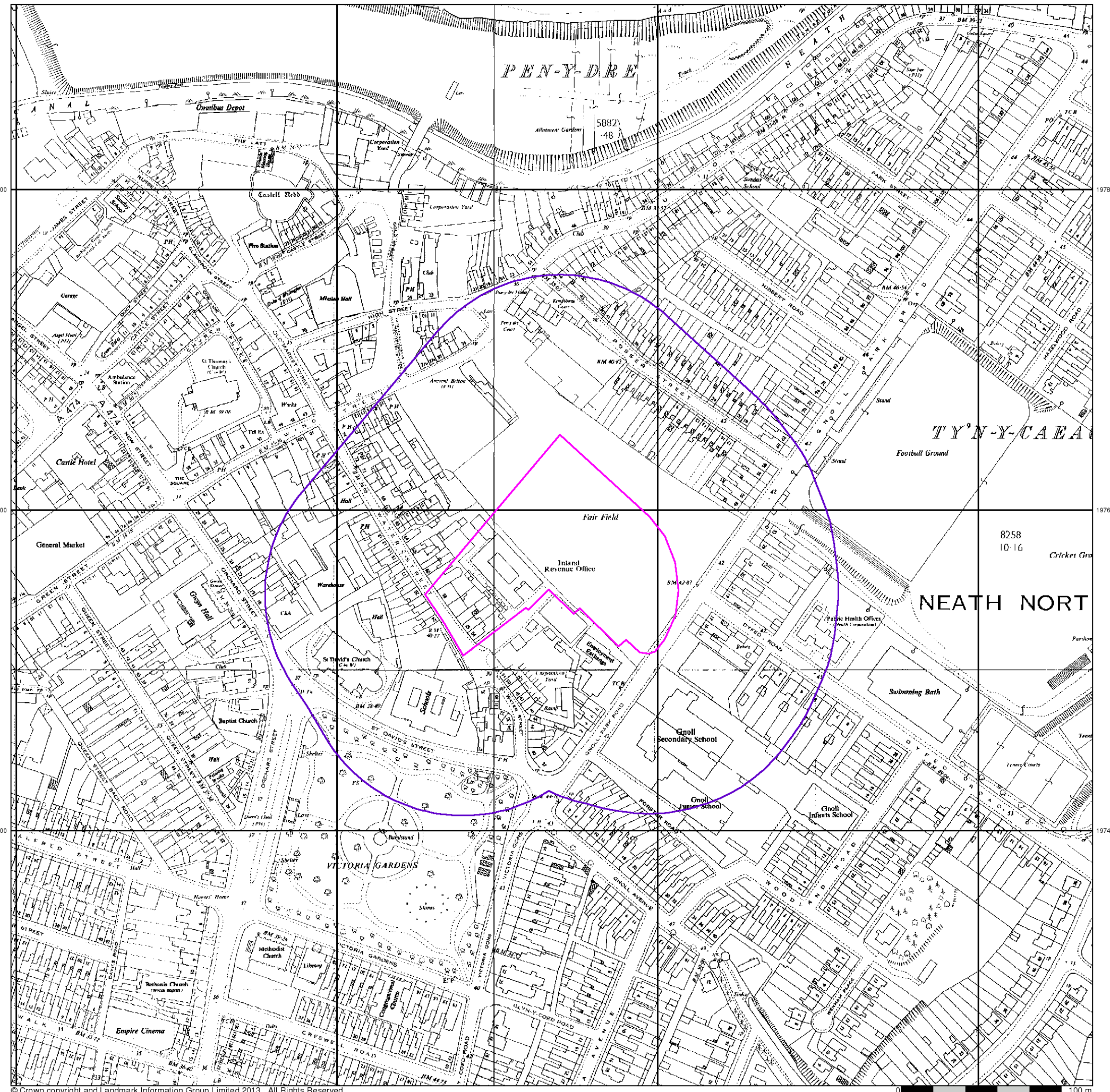


Order Details

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Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
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Site Details

Neath Town Centre Redevelopment, Groll Park Road, NEATH, West Glamorgan, SA11 3QZ



275200

275400

275600

275800

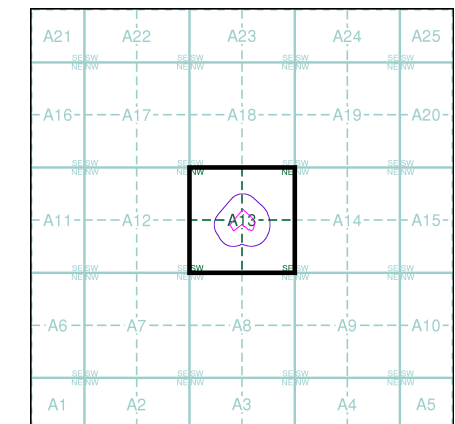
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

SS7597NW
1967
1:1,250

SS7597SW
1974
1:1,250

Historical Map - Segment A13

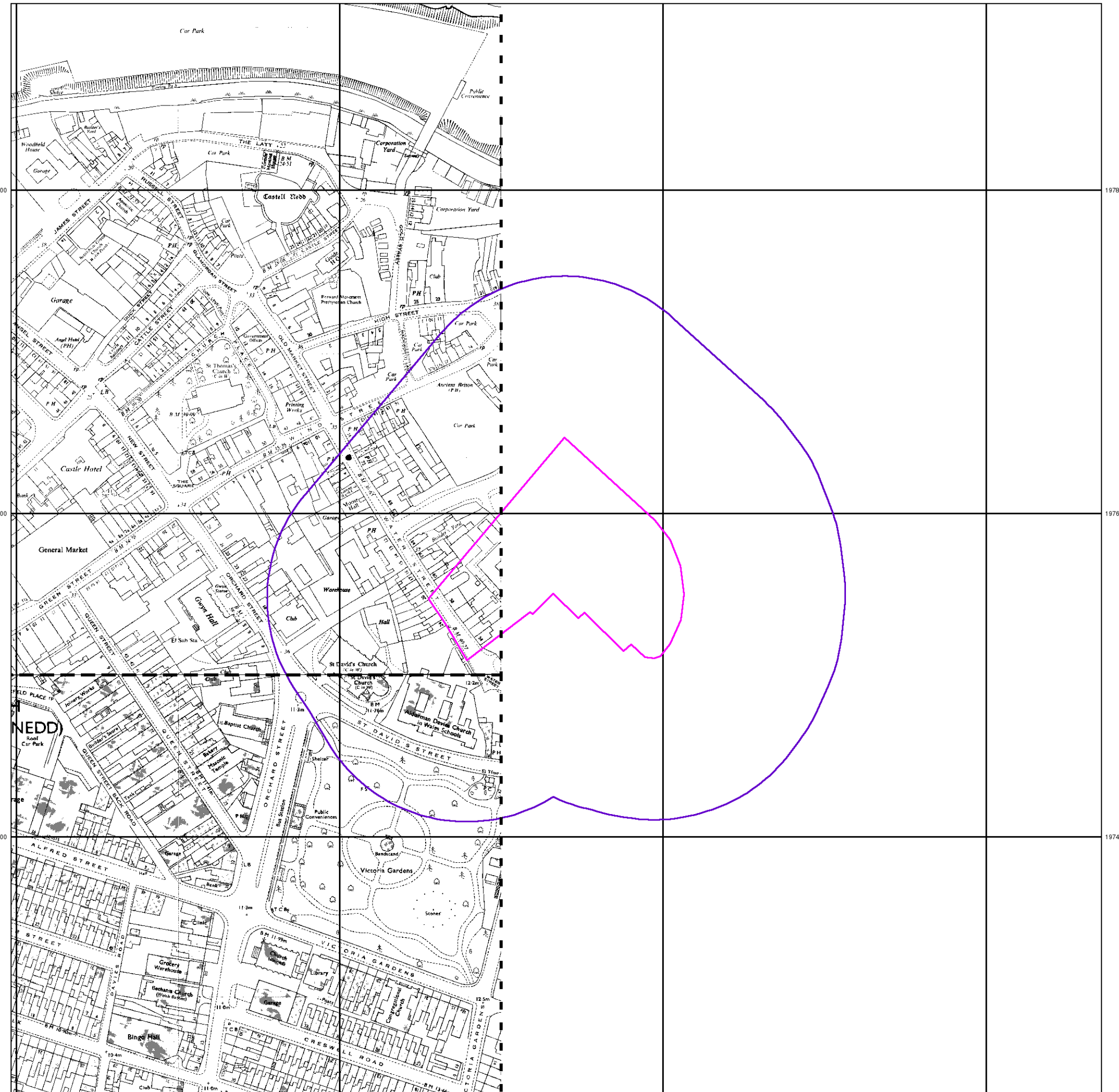


Order Details

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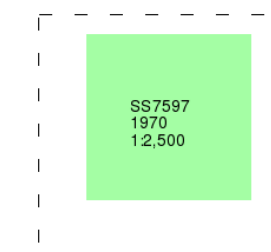
Site Details

Neath Town Centre Redevelopment, Groll Park Road, NEATH,
West Glamorgan, SA11 3QZ

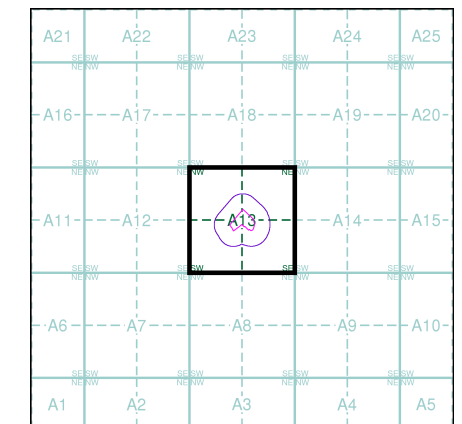


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

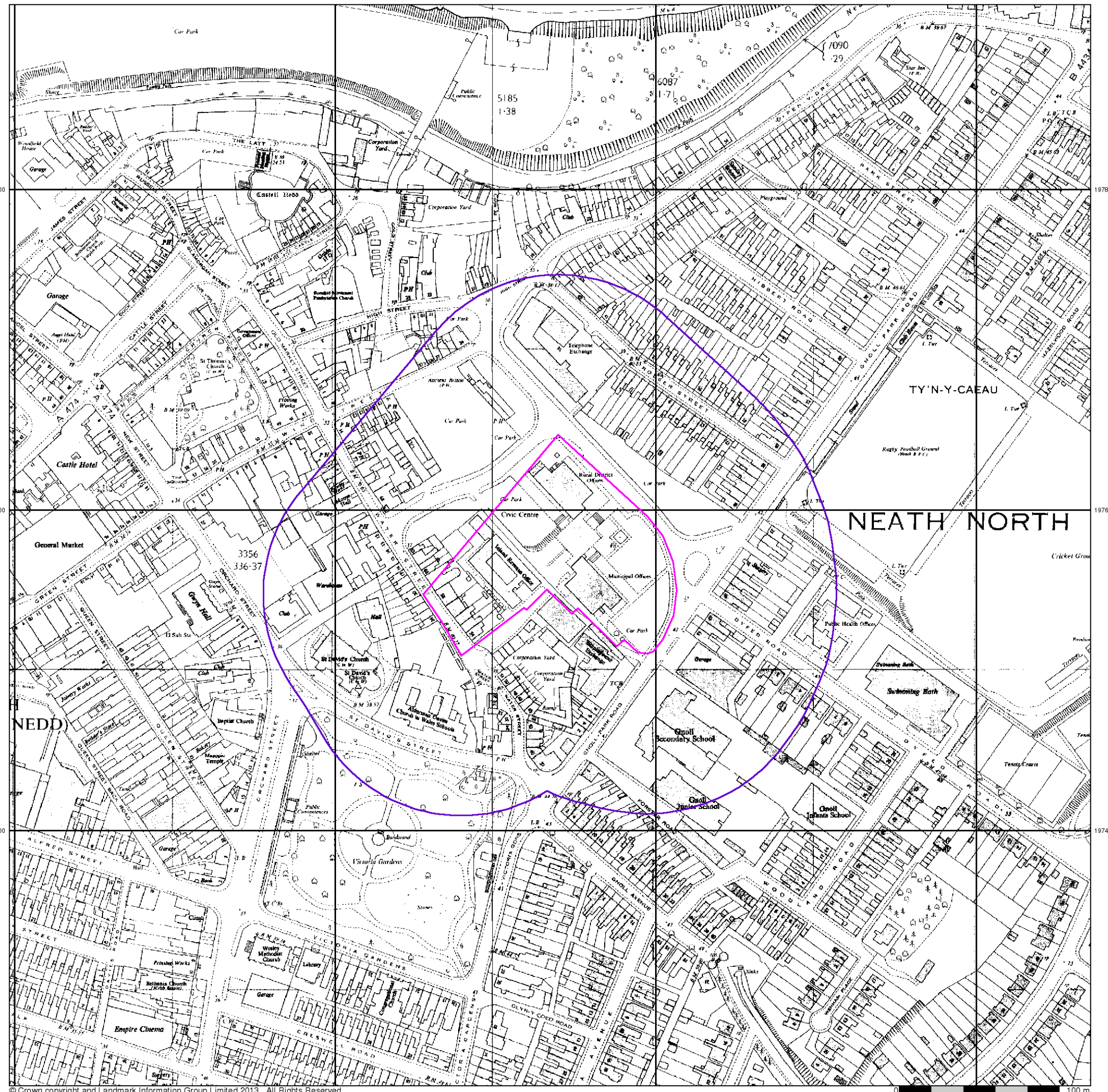


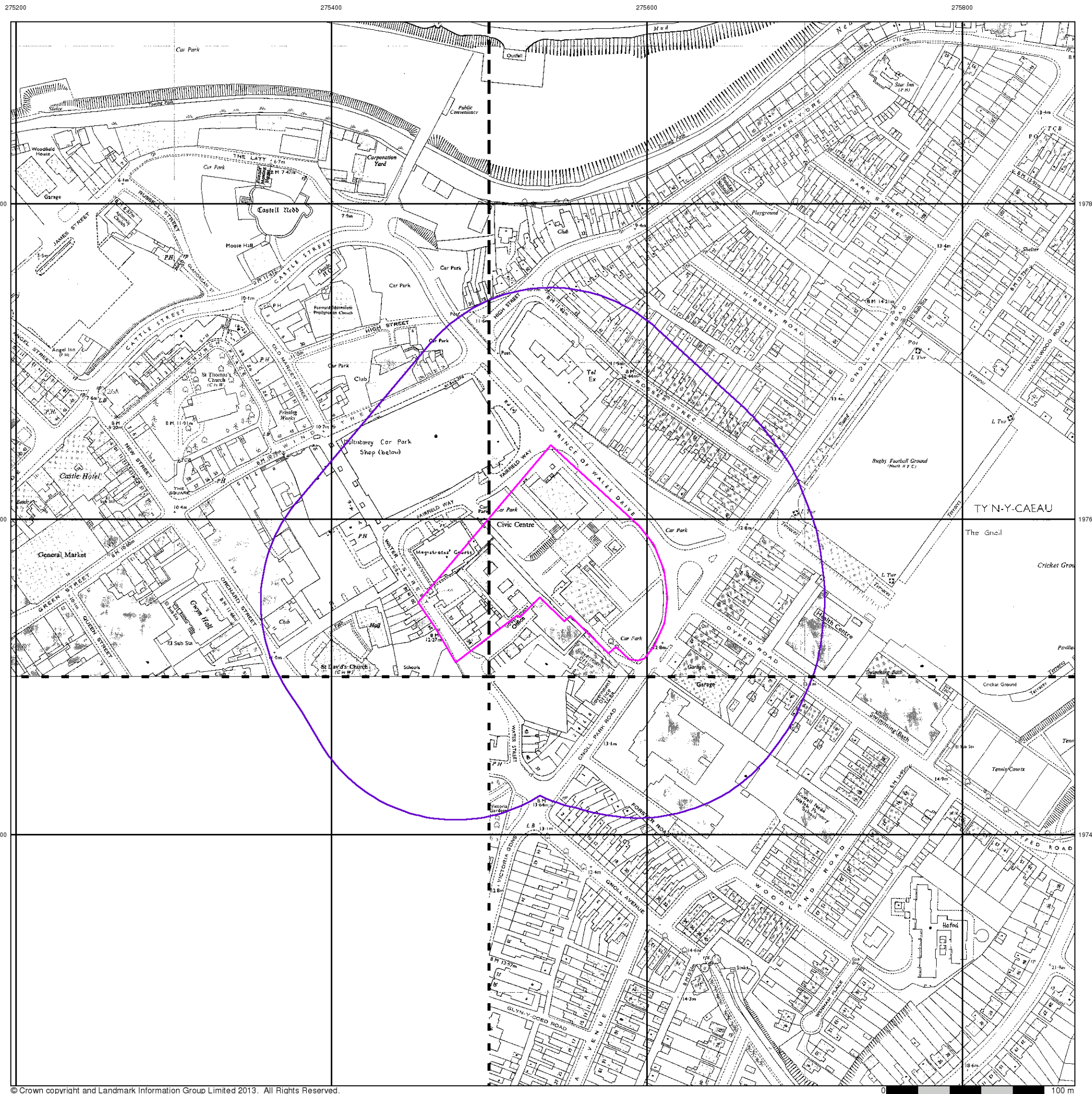
Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 100

Site Details

Neath Town Centre Redevelopment, Groll Park Road, NEATH,
West Glamorgan, SA11 3QZ





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Additional SIMs

Published 1982 - 1989

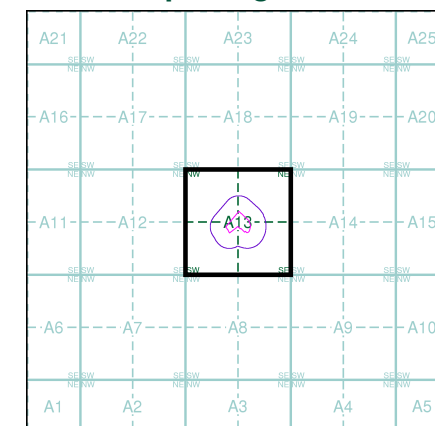
Source map scale - 1:1,250

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)

SS7597NW	SS7597NE
1982	1989
1:1,250	1:1,250
	SS7597SE
	1989
	1:1,250

Historical Map - Segment A13



Order Details

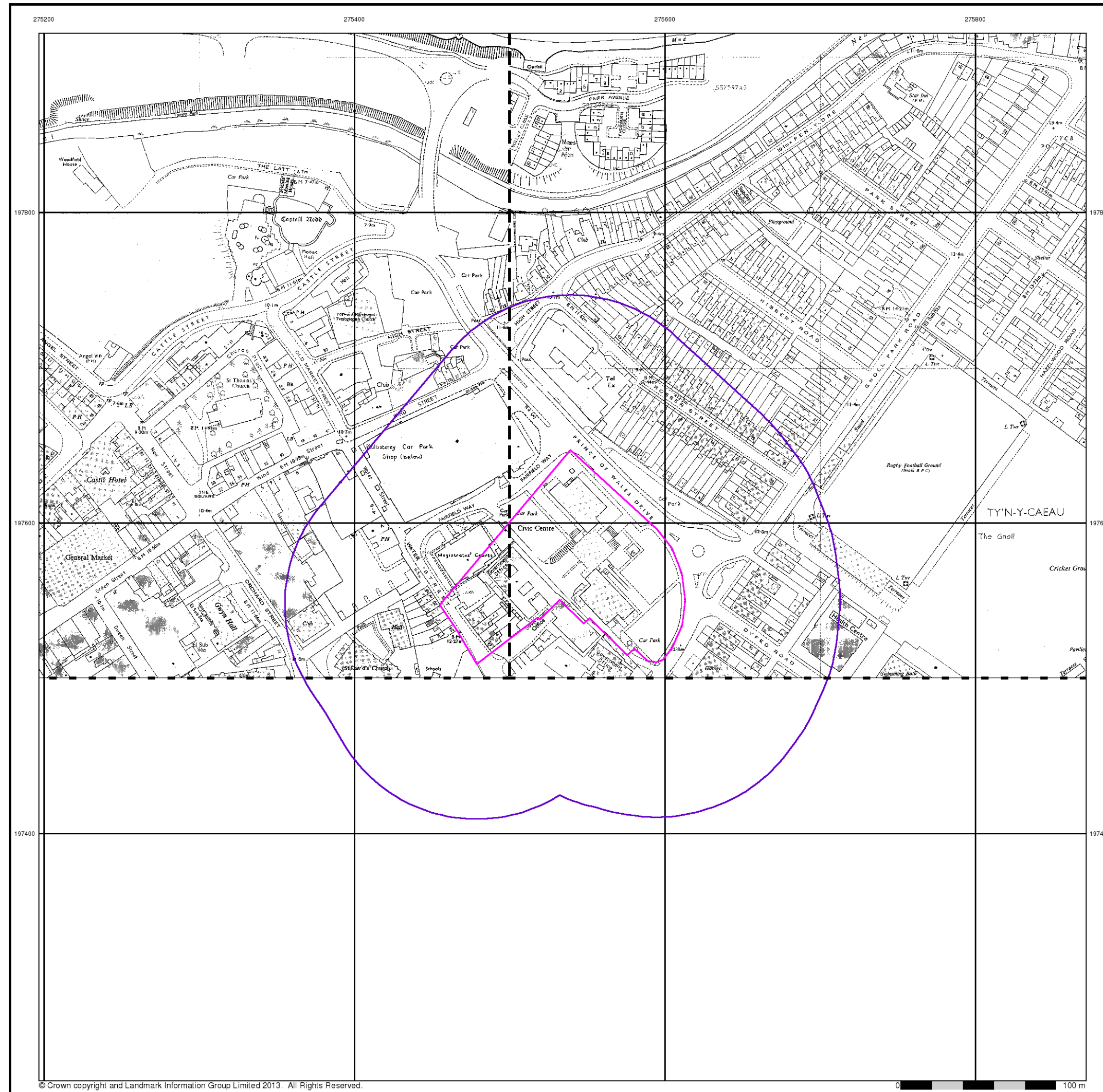
Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 100

Site Details

Neath Town Centre Redevelopment, Groll Park Road, NEATH,
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Additional SIMs

Published 1989 - 1991

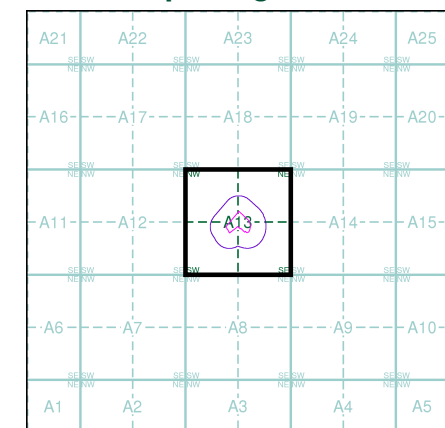
Source map scale - 1:1,250

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)

SS7597NW 1989 1:1,250	SS7597NE 1991 1:1,250
-----------------------------	-----------------------------

Historical Map - Segment A13



Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 100

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH, West Glamorgan, SA11 3QZ



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

275200

275400

275600

275800

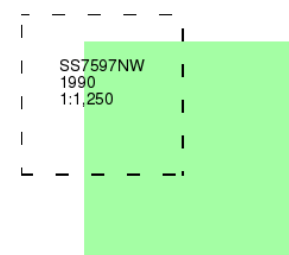
Additional SIMs

Published 1990

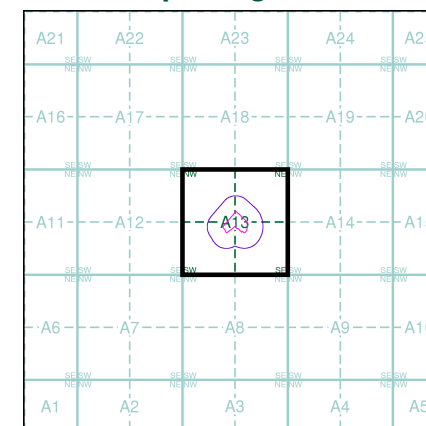
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13

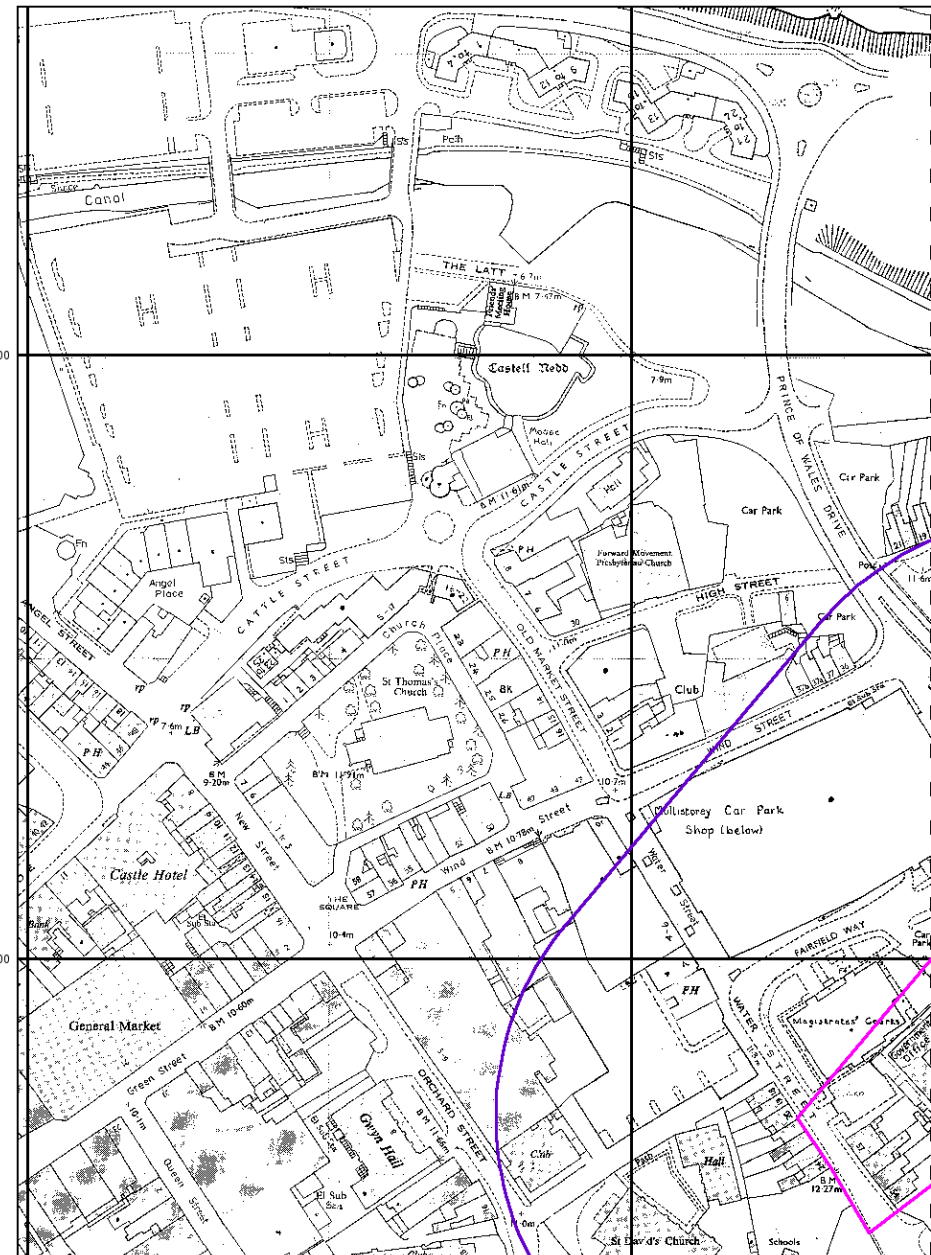


Order Details

Order Number: 52212038_1_1
Customer Ref: A3188-13
National Grid Reference: 275540, 197560
Slice: A
Site Area (Ha): 1.21
Search Buffer (m): 100

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH,
West Glamorgan, SA11 3QZ



197400

197400

275200

275400

275600

275800

Large-Scale National Grid Data

Published 1993

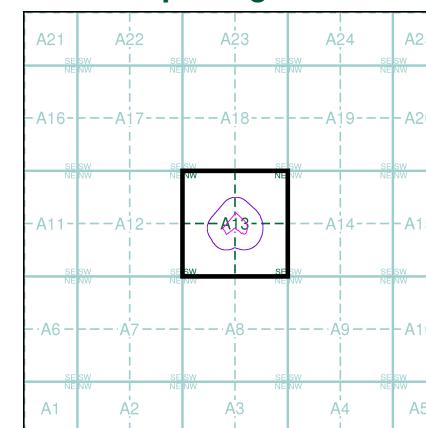
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SS7597NW	SS7597NE
1993	1993
1:1,250	1:1,250
SS7597SW	SS7597SE
1993	1993
1:1,250	1:1,250

Historical Map - Segment A13

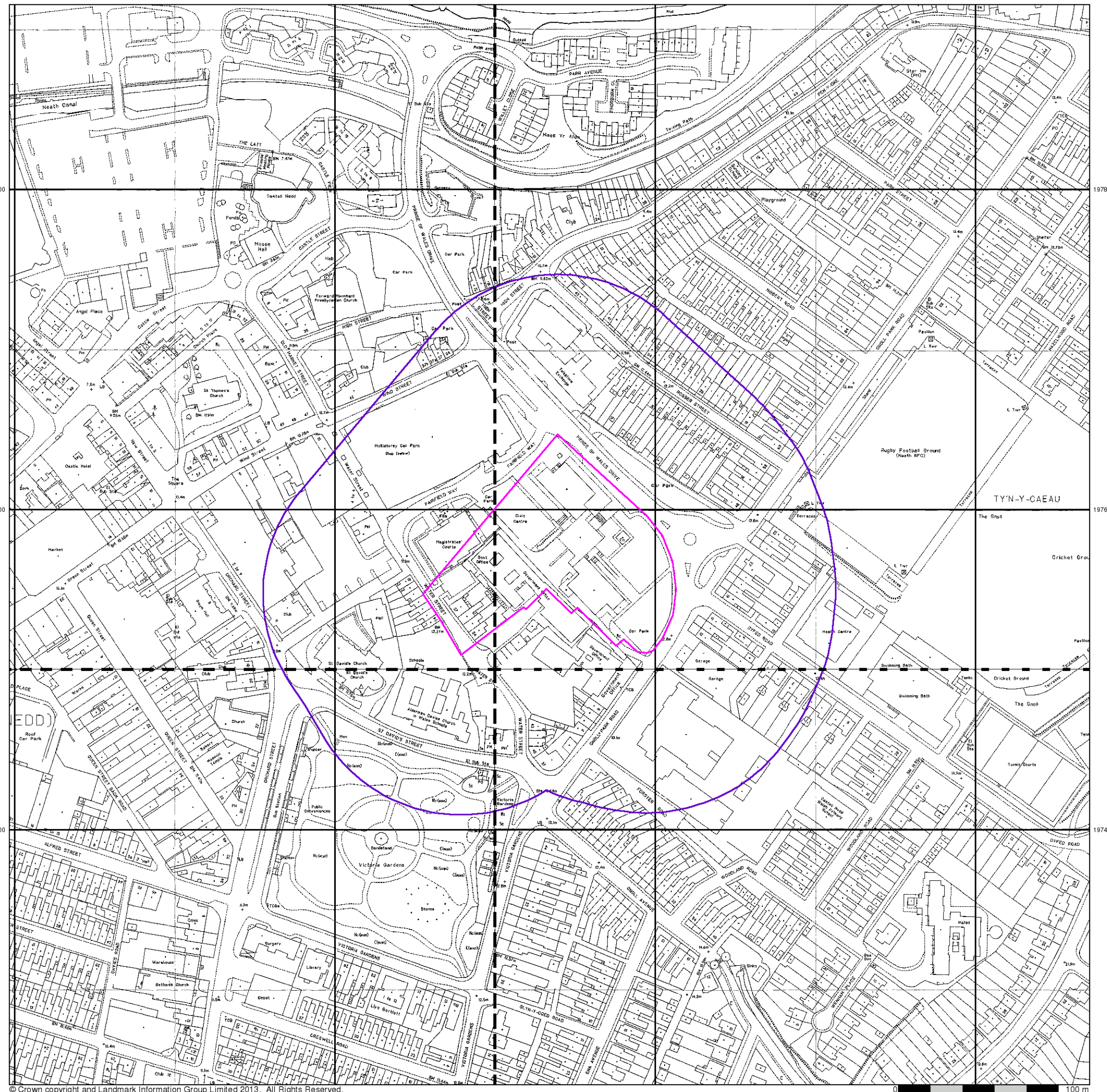


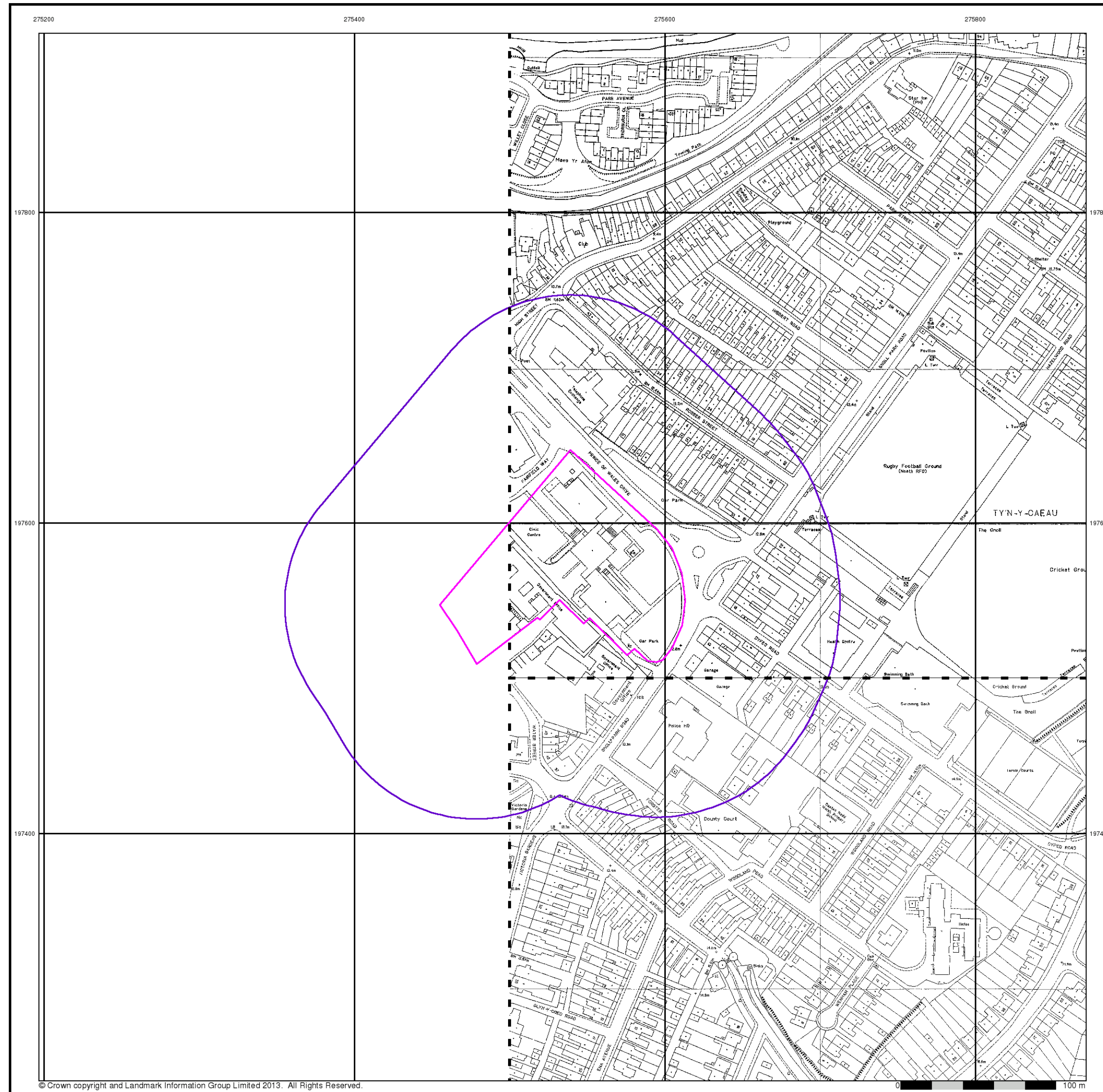
Order Details

Order Number: 52212038_1_1
 Customer Ref: A3188-13
 National Grid Reference: 275540, 197560
 Slice: A
 Site Area (Ha): 1.21
 Search Buffer (m): 100

Site Details

Neath Town Centre Redevelopment, Groll Park Road, NEATH,
 West Glamorgan, SA11 3QZ





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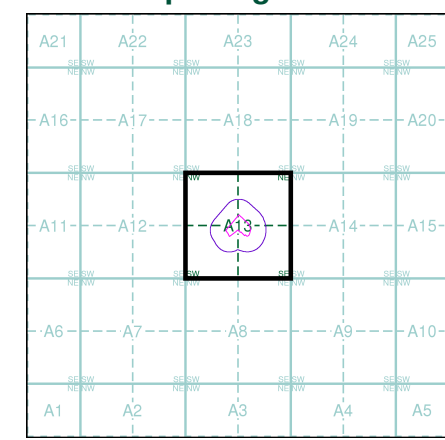
Large-Scale National Grid Data
Published 1993 - 1995
Source map scale - 1:1,250

'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)

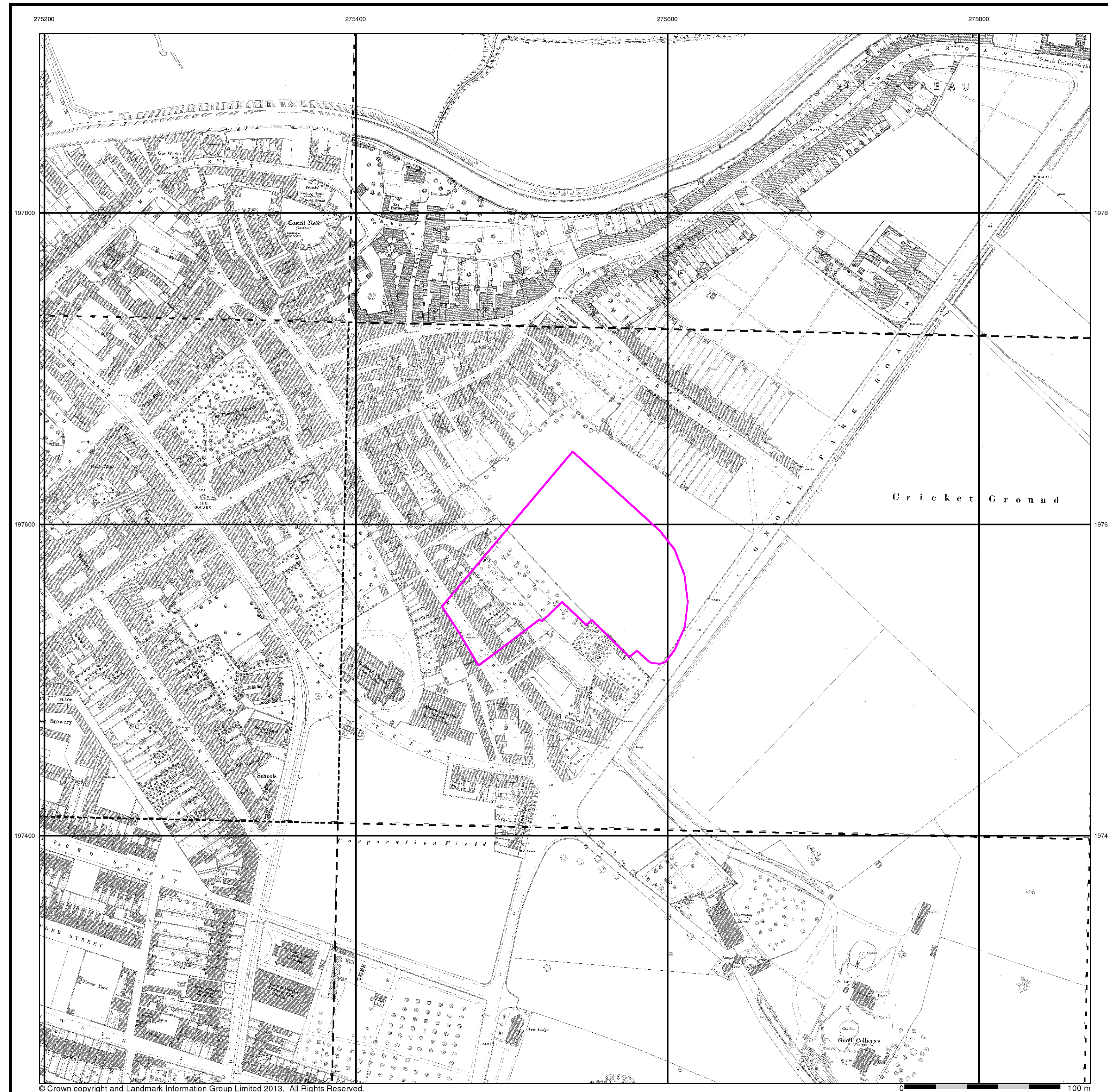
SS7597NE
1993
1:1,250
SS7597SE
1995
1:1,250

Historical Map - Segment A13



Order Details	
Order Number:	52212038_1_1
Customer Ref:	A3188-13
National Grid Reference:	275540, 197560
Slice:	A
Site Area (Ha):	1.21
Search Buffer (m):	100

Site Details
Neath Town Centre Redevelopment, Groll Park Road, NEATH,
West Glamorgan, SA11 3QZ



Glamorganshire

Published 1878

Source map scale - 1:500

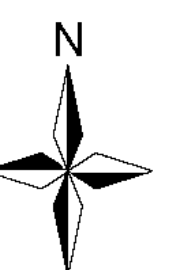
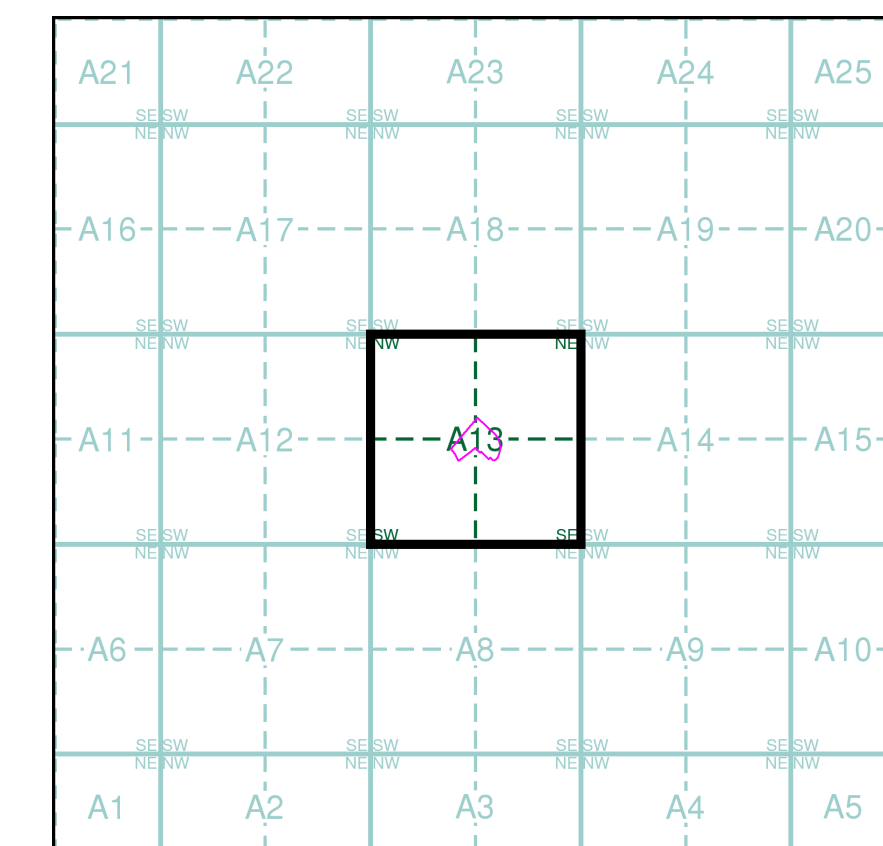
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to complement the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped more than once at this scale, and none have been since 1910. The 1:500 scale gives particular emphasis to such features as lamp posts, man holes, arched passages and minor building projections. Also often featured are divisions between tenements, interior ground floor layouts of public buildings, and on earlier plans, the functions of the various parts of larger industrial premises are also indicated. Content of the plans does vary however, from one town to the next in terms of, for example, the completeness of railway tracks and the coverage of public buildings.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)

$\frac{016_09_012}{1878}$	$\frac{016_09_013}{1878}$
$\frac{1:500}{1878}$	$\frac{1:500}{1878}$
$\frac{016_09_017}{1878}$	$\frac{016_09_018}{1878}$
$\frac{1:500}{1878}$	$\frac{1:500}{1878}$
$\frac{016_09_022}{1878}$	$\frac{016_09_023}{1878}$
$\frac{1:500}{1878}$	$\frac{1:500}{1878}$

Historical Town Plan - Segment A13



Order Details

Order Number:	52212038_1_1
Customer Ref:	A3188-13
National Grid Reference:	275540, 197560
Slice:	A
Site Area (Ha):	1.21
Search Buffer (m):	0

Site Details

Neath Town Centre Redevelopment, Gnoll Park Road, NEATH,
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ENCLOSURE C

EXPLORATORY HOLE RECORDS

Key to Exploratory Hole Records
Hammer Energy Report
Borehole Logs
Trial Pit Logs

Key
Calibration certificate for EQU1B4
P101, P103, P104, P104A, P105 and P106
TP1 to 6

Key to Exploratory Hole Records

SAMPLES

Undisturbed

U	Driven tube sample	} nominally 100 mm diameter and full recovery unless otherwise stated
UT	Driven thin wall tube sample	
TW	Pushed thin wall tube sample	
P	Pushed piston sample	
L	Liner sample (from Windowless or similar sampler), full recovery unless otherwise stated	
CBR	CBR mould sample	
BLK	Block sample	
CS	Core sample (from rotary core) taken for laboratory testing	
AMAL	Amalgamated sample	

Disturbed

D	Small sample
B	Bulk sample

Other

W	Water sample
G	Gas sample

	Environmental chemistry samples (in more than one container where appropriate)
ES	Soil sample
EW	Water sample

Comments

Sample reference numbers are assigned to every sample taken. A sample reference of 'NR' indicates that attempt was made to take a tube sample, however, there was no recovery.

Monitoring samples taken after completion of hole construction are not shown on the exploratory hole logs.

TESTS

SPT S or SPT C	Standard Penetration Test, open shoe (S) or solid cone (C)
----------------	--

The Standard Penetration Test is defined in BS EN ISO 22476-3 (2005). The incremental blow counts are given in the Field Records column; each increment is 75 mm unless stated otherwise and any penetration under self weight in mm (SW) is noted. Where the full 300 mm test drive is achieved the total number of blows for the test drive is presented as N = ** in the Test column. Where the test drive blows reach 50 the total blow count beyond the seating drive is given (without the N = prefix).

IV	<i>in situ</i> Vane shear strength, peak (p) and remoulded (r)
HV	Hand vane shear strength, peak (p) and remoulded (r)
PP	Pocket penetrometer test, converted to shear strength
KFH, KRH, KPI	Permeability tests (KFH = falling head, KRH = rising head; KPI = packer inflow); results provided in Field Records column (one value per stage for packer tests)

DRILLING RECORDS

The mechanical indices (TCR/SCR/RQD & If) are defined in BS 5930+A2 (2010)

TCR	Total Core Recovery, %
SCR	Solid Core Recovery, %
RQD	Rock Quality Designation, %
If	Fracture spacing, mm. Minimum, typical and maximum spacings are presented. The term non-intact (NI) is used where the core is fragmented.

Flush returns, estimated percentage with colour where relevant, are given in the Records column

CRF	Core recovered (length in m) in the following run
AZCL	Assessed zone of core loss
NR	Not recovered

GROUNDWATER



Groundwater strike
Groundwater level after standing period

Key to Exploratory Hole Records

INSTALLATION

Standpipe/ piezometer

Details of standpipe/piezometer installations are given on the Record. Legend column shows installed instrument depths including slotted pipe section or tip depth, response zone filter material type and layers of backfill.

SP
SPIE
PIIE
EPIE



The type of instrument installed is indicated by a code in the Legend column at the depth of the response zone:

Standpipe
Standpipe piezometer
Pneumatic piezometer
Electronic piezometer

Inclinometer or Slip Indicator

The installation of vertical profiling instruments is indicated on the Record. The base of tubing is shown in the Legend column.

ICE
ICM
SLIP



The type of instrument installed is indicated by a code in the Legend column at the base of the tubing:

Biaxial inclinometer
Inclinometer tubing for use with probe
Slip indicator

Settlement Points or Pressure Cells

The installation of single point instruments is indicated on the Record. The location of the measuring device is shown in the Legend column.

ESET
ETM
EPCE
PPCE



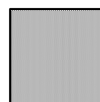
The type of instrument installed is indicated by a code in the Legend column:

Electronic settlement cell/gauge
Magnetic extensometer settlement point
Electronic embedment pressure cell
Electronic push in pressure cell

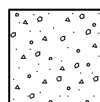
INSTALLATION LEGENDS

A legend describing the installation is shown in the rightmost column. Legends additional to BS5930 are used to describe the backfill materials as indicated below.

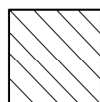
Arisings



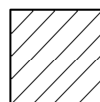
Concrete



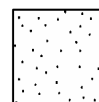
Grout



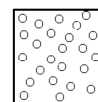
Bentonite



Sand



Gravel



Macadam



NOTES

- 1 Soils and rocks are described in accordance with BS EN ISO 14688-1 (2002) and 14689-1 (2003) respectively as amplified by BS 5930+A2 (2010).
- 2 For fine soils, consistency determined during description is reported for those strata where undisturbed samples are available. Where the logger considers that the sample may not be representative of the condition in situ, for whatever reason, the reported consistency is given in brackets. The reliability of the sample is indicated by Probably or Possibly as appropriate. Hence (Probably firm) indicates the logger is reasonably confident of the assessment, but (Possibly firm) means less certainty. Where the samples available are too disturbed to allow a reasonable assessment of the in situ condition, no consistency is given.
- 3 Evidence of the occurrence of very coarse particles (cobbles and boulders) is presented on the logs, however, because of their size in relation to the exploratory hole these records may not be fully representative of their size and frequency in the ground mass.
- 4 The declination of bedding and joints is given with respect to the normal to the core axis. Thus in a vertical borehole this will be the dip.
- 5 The assessment of SCR, RQD and Fracture Spacing excludes artificial fractures
- 6 Strata legends are in accordance with BS 5930+A2 (2010).
- 7 Water level observations of discernible entries during the advancing of the exploratory hole are given at the foot of the log and in the Legend column. The term "none observed" is used where no discrete entries are identified although this does not necessarily indicate that the hole has not been advanced below groundwater level. Under certain conditions groundwater cannot be observed, for instance, drilling with water flush or overwater, or boring at a rate much faster than water can make its way into the borehole (ref BS5930+A2:2010, Clause 47.2.7). In addition, where appropriate, water levels in the hole at the time of recovering individual samples or carrying out in situ tests and at shift changes are given in the Records column.
- 8 The borehole logs present the results of Standard Penetration Tests recorded in the field without correction or interpretation. However, in certain ground conditions (eg high hydraulic head or where very coarse particles are present) some judgement may be necessary in considering whether the results are representative of in situ mass conditions.

Updated March 2012

Notes:
See report text for full references of standards

Project Neath Town Centre Regeneration
Project No. A3188-13
Carried out for Neath Port Talbot County Borough Council

Key

Sheet 2 of 2

SPT Calibration Report

Hammer Energy Measurement Report

Type of Hammer SPT HAMMER
 Client GW DRILLING
 Test No EQU757
 Test Depth (m) 7.00
 Date of Test 02 January 2013
 Valid until 02 January 2014
 Hammer ID EQU184

Mass of the hammer $m = 63.5\text{kg}$
 Falling height $h = 0.76\text{m}$
 $E_{\text{theor}} = m \times g \times h = 473\text{J}$

Characteristics of the instrumented rod

Diameter $d_r = 0.052\text{ m}$
 Length of the instrumented rod 0.558 m
 Area $A = 11.61\text{ cm}^2$
 Modulus $E_s = 206843\text{ MPa}$

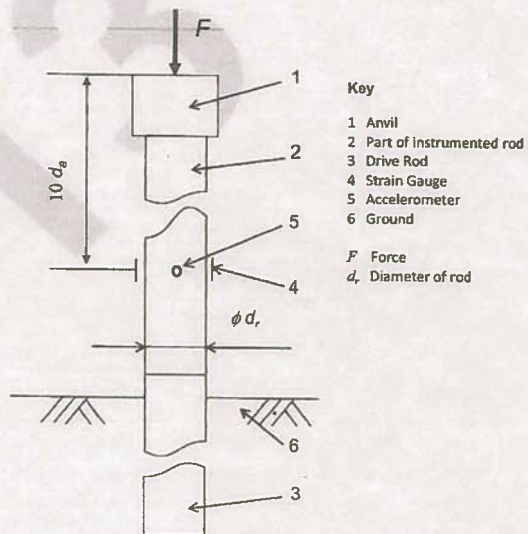
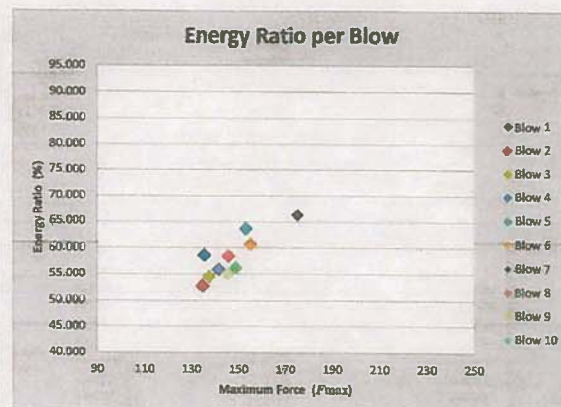
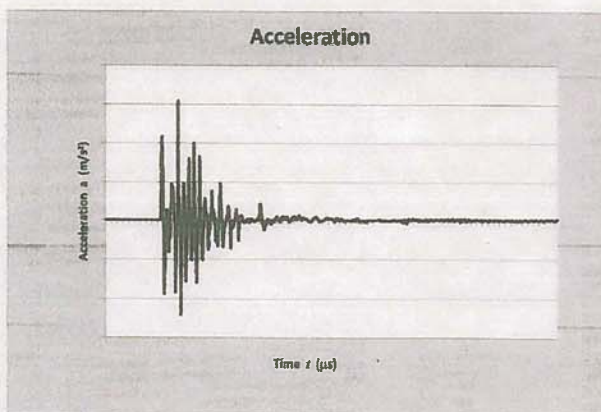
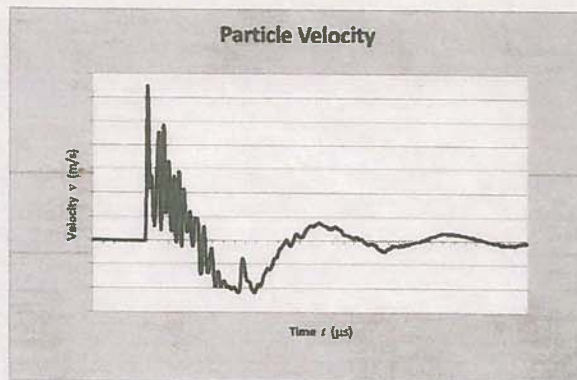
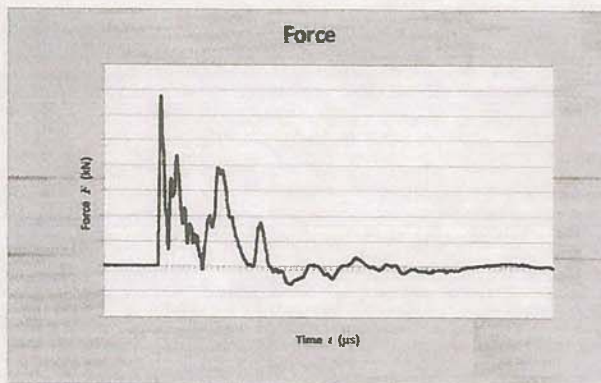


Fig. B.1 and B.2 BS EN ISO 22476-3 : 2005 + A1 : 2011



Observations:

1.

$E_{\text{meas}} = 0.274\text{ kN-m}$
 $E_{\text{theor}} = 0.473\text{ kN-m}$

$$\text{Energy Ratio} = \frac{E_{\text{meas}}}{E_{\text{theor}}} = 57.92\%$$

Equipe SPT Analyzer Operators: CS

Prepared by:

[Signature]

Checked by:

[Signature]

Date

03/01/2013

Borehole Log

PRELIMINARY

Drilled GW Logged PL Checked	Start 02/12/2014 End 04/12/2014	Equipment, Methods and Remarks Dando 1500 Hand excavated inspection pit GL to 1.20m bgl. Light cable percussive drilling 1.20 to 15.0m bgl. Water added to assist drilling between 3.40 and 15.00m bgl.				Depth from 0.00m to 15.00m Diameter 200mm Casing Depth 15.00m	Ground Level Coordinates National Grid Chainage	Datum? E 275588.01 N 197519.15
Samples and Tests				Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.30-0.70 0.40 0.40	B 2 D 1 ES 5		02/12/2014	0800	MACADAM (MADE GROUND)	0.20		
0.80-1.20 0.80	B 3 ES 6				Dark grey and brown slightly sandy clayey angular fine to coarse GRAVEL of sandstone, brick, limestone and slag with low subangular cobble content of brick and sandstone. (MADE GROUND)	(1.80)		
1.20-1.65 1.20 1.20-1.70 1.50	SPT C D 4 B 9 ES 7	N=5 (1,-/1,1,1,2)	1.20	dry				
2.10 2.10-2.65 2.20-2.65 2.20-2.70 2.50 2.50	D 10 D 11 SPT S B 12 D 13 ES 8	N=2 (1,-/1,-,-,1)	2.20	dry	Soft brownish grey slightly sandy peaty CLAY. (ALLUVIUM)	2.00 (0.40)		
					Spongy to firm pseudofibrous brown clayey PEAT. (ALLUVIUM)	2.40 (0.50)		
3.00 3.20-3.65 3.20-3.65 3.20-3.70	D 14 SPT S D 12 B 13	N=19 (1,2/3,4,4,8)	3.20	dry	Grey slightly sandy clayey subrounded to rounded fine to coarse GRAVEL of sandstone, quartz, quartzite with low rounded sandstone cobble content. (GLACIAL DEPOSITS)	2.90 (0.50)		
4.00-4.45 4.00-4.50	SPT C B 14	N=31 (3,5/5,7,9,10)	4.00	3.50	Medium dense to dense, becoming very dense, grey sandy slightly clayey sub-rounded fine to coarse GRAVEL of sandstone, quartz and quartzite with low subrounded cobble content of sandstone. (GLACIAL DEPOSITS)			SP
5.00-5.45 5.00-5.45	SPT C B 15	N=21 (2,3/4,5,5,7)	5.00	dry				
			02/12/2014 5.50	1800				
			03/12/2014 5.50	0800				
6.00	B 16							
6.50-6.95 6.50-6.90	SPT C B 17	N=49 (3,5/7,9,9,24)	6.50	dry				
7.50	B 18							
8.00-8.20	B 19							
8.30-8.63	SPT C	50 (9,16/18,20,12 for 30mm)	8.00	7.50				
					8.30-10.00 m Very Dense			
9.00	B 20					(11.60)		
9.50-9.83 9.50-9.70	SPT C B 21	50 (10,15/20,19,11 for 25mm)	9.50	9.10				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 15.00 m			
Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m) 1 5.50 Rose to 5.00 m after 20 minutes. -					Depth Related Remarks * From to (m) 1.20 15.00 SPT Hammer EQU184 (ER 58%), Rod Type NWY.			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:50 (c) ESG www.esg.co.uk 426.4811/02/2014 12:08:41					Project Neath Town Centre Regeneration Project No. A3188-13 Carried out for Neath Port Talbot County Borough Council			
Chiselling Depths (m) Time Tools used 6.90 -7.30 60 mins Chisel 8.20 -8.50 60 mins Chisel 9.70 -10.00 60 mins Chisel					Borehole P101 Sheet 1 of 2			

Borehole Log

PRELIMINARY

Drilled GW Logged PL Checked		Start 02/12/2014 End 04/12/2014	Equipment, Methods and Remarks Dando 1500 Hand excavated inspection pit GL to 1.20m bgl. Light cable percussive drilling 1.20 to 15.0m bgl. Water added to assist drilling between 3.40 and 15.00m bgl.		Depth from 0.00m to 15.00m Diameter 200mm Casing Depth 15.00m	Ground Level Coordinates E 275588.01 National Grid N 197519.15 Datum? Chainage		
Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.50	B 22				Medium dense to dense, becoming very dense, grey sandy slightly clayey sub-rounded fine to coarse GRAVEL of sandstone, quartz and quartzite with low subrounded cobble content of sandstone. (GLACIAL DEPOSITS)			
11.00-11.45 11.00-11.50	SPT C B 23	N=50 (5,10/12,11,12,15)	11.00	10.00				
12.00	B 24							
12.50-12.95 12.50-12.90	SPT C B 25	N=51 (3,5/9,9,12,21)	03/12/2014 04/12/2014 10.00 15.00	1800 0800				
14.00-14.13	SPT C	50 (25,0 for 0mm/25 for 10mm)						
14.50-15.00	B 26							
15.00-15.45	SPT C	N=51 (4,7/12,12,12,15)			EXPLORATORY HOLE ENDS AT 15.00 m	15.00		
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour Depth sealed (m)					Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used 12.90 -13.30 60 mins Chisel 14.00 -14.60 90 mins Chisel	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:50					Project Neath Town Centre Regeneration Project No. A3188-13 Carried out for Neath Port Talbot County Borough Council		Borehole P101 Sheet 2 of 2	

Drilled GW Logged PL Checked		Start 06/12/2014 End 09/12/2014	Equipment, Methods and Remarks Dando1500 Hand excavated inspection pit GL to 1.20m bgl. Light cable percussive drilling 1.20 to 4.10m bgl. Water added to assist drilling between 1.20m bgl and 4.10m bgl.		Depth from 0.00m to 4.10m Diameter 200mm Casing Depth 4.10m		Ground Level Coordinates National Grid Chainage		Datum? E 275537.49 N 197636.46	
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.20-0.30 0.40 0.40-0.60 0.70-1.10	B 1 D 2 B 3 B 4		06/12/2014	0800	Grey slightly sandy slightly silty angular fine to coarse GRAVEL of limestone (MADE GROUND)			0.10 (0.30) 0.40 (0.30) 0.70	  	
1.20-1.46	SPT C	50 (14.9 for 50mm/ 21.29 for 63mm)	1.20	dry	Grey and brown sandy slightly silty subangular to subrounded fine to coarse GRAVEL with a high subangular to subrounded cobble content. Gravel and cobbles are of sandstone and concrete. (MADE GROUND)					
2.20-2.65 2.20-2.60	SPT C B 5	N=59 (6,11/15,15,12,17)	2.20	2.00	Brown and grey sandy slightly gravelly CLAY. Gravel is sub-angular to subrounded fine to medium of sandstone (Possible MADE GROUND)					
3.20-3.65 3.20-3.60	SPT C B 6	N=56 (5,9/12,12,16,16)	3.20	2.80	Very dense brown sandy slightly clayey rounded fine to coarse GRAVEL of sandstone and quartzite with low subrounded sandstone cobble content. (GLACIAL DEPOSITS)			(3.59)		
4.00-4.29	SPT C	51 (10,14/19,32 for 61mm)	06/12/2014 4.00	1700						
			09/12/2014 4.10	1200						
			09/12/2014 4.00	0800	EXPLORATORY HOLE ENDS AT 4.29 m			4.29		
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries					Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)		From	to (m)		Depths (m)	Time	Tools used
					1.20	4.10	SPT Hammer EQU184 (ER 58%), Rod Type NWY.	1.20 -2.10 3.70 -4.00 4.00 -4.10	180 mins 60 mins 60 mins	Chisel Chisel Chisel
None observed (see Key Sheet)										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project Project No. Carried out for			Borehole		
(c) ESG www.esg.co.uk 426.4811/02/2014 12:08:46 Scale 1:50					Neath Town Centre Regeneration A3188-13 Neath Port Talbot County Borough Council			P103 Sheet 1 of 1		

Borehole Log

PRELIMINARY

Drilled GW Logged PL Checked	Start 09/12/2013 End 11/12/2013	Equipment, Methods and Remarks Dando 1500. Hand excavated inspection pit GL to 1.2m bgl. Light cable percussive drilling 1.2 to 3.5m bgl. Water added to assist drilling throughout (draining rapidly into gravel).		Depth from 0.00m to 2.60m Diameter 200mm Casing Depth 2.60m	Ground Level Coordinates National Grid Chainage	Datum? E 275478.74 N 197601.89		
Samples and Tests				Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00			09/12/2013	0800	Very soft brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, limestone and brick. (TOPSOIL)	0.20		
0.30	D 1					(0.50)		
0.30-0.60	B 3							
0.50	ES 2							
0.70-1.00	B 4					0.70		
0.70	D 5					0.80		
1.30-1.75	SPT C	* N=54 (5,5/14,40,-,-)	1.20 09/12/2013	dry 1700	Grey sandy angular to subangular fine to coarse GRAVEL of slag, brick and sandstone with low cobble content. Cobbles are subangular of sandstone and slag. Sand includes some ash. (MADE GROUND).	(0.70)		
			1.50 10/12/2013	0800	Firm brown and orange slightly sandy silty CLAY. (POSSIBLE GLACIAL DEPOSITS)	1.50		
			1.50					
2.20-2.29	SPT C	50 (25 for 58mm/50 for 32mm)	2.20 10/12/2013	dry 1700	Very dense grey and brown sandy clayey subrounded to rounded fine to coarse GRAVEL of sandstone and quartzite with low to medium cobble content. Cobbles are rounded of sandstone and quartzite. (GLACIAL DEPOSITS).	(1.10)		
			11/12/2013	1700				
			2.50					
			2.60	0800		2.60		
			11/12/2013	2.60	Very dense grey and brown clayey sandy rounded fine to coarse GRAVEL of sandstone and quartzite with low to medium cobble and boulder content. Cobbles are rounded of sandstone and quartzite. Boulders are rounded of sandstone. (GLACIAL DEPOSITS).			
EXPLORATORY HOLE ENDS AT 2.60 m								
Groundwater Entries No. Struck Post strike behaviour None observed (see Key Sheet)					Depth Related Remarks * From to (m) 1.20 2.60 SPT Hammer EQU184 (ER 58%), Rod Type NWY.		Chiselling Depths (m) Time Tools used 1.00 -1.50 210 mins Chisel 1.50 -2.50 570 mins Chisel 2.50 -2.60 120 mins Chisel	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project Neath Town Centre Regeneration Project No. A3188-13 Carried out for Neath Port Talbot County Borough Council			Borehole P104 Sheet 1 of 1		

Borehole Log

PRELIMINARY

Drilled GW Logged PL Checked		Start 11/12/2014 End 13/12/2014		Equipment, Methods and Remarks DANDO 1500. Hand excavated inspection pit GL to 1.2m bgl. Light cable percussive drilling 1.2 to 4.2m bgl. Water added to assist drilling from 2.3 to 4.2mbgl.		Depth from 0.00m to 4.20m Diameter 200mm Casing Depth 4.20m		Ground Level Coordinates National Grid Chainage		Datum? E 275502.09 N 197607.07							
Samples and Tests						Strata											
Depth		Type & No		Records		Date Casing		Time Water		Description		Depth, Level/ (Thickness)		Legend		Backfill/ Instruments	
0.30		B 1		N=52 (4,7/10,10,14,18)		11/12/2013		0800		MACADAM (MADE GROUND).		0.10					
0.40		D 2				12/12/2013		0800		Grey and brown slightly sandy slightly clayey angular fine to coarse GRAVEL of sandstone, slag and brick with low cobble content. Cobbles are angular of brick and slag. (MADE GROUND)		(0.40)					
0.40		ES 4				2.30		2.30		Very dense sandy clayey subrounded to rounded fine to coarse GRAVEL of sandstone and quartzite with low cobble content. Cobbles are rounded of sandstone and quartzite. (GLACIAL TILL).		(0.40)					
0.60		D 3				3.00		2.70		Very dense grey and brown sandy clayey rounded fine to coarse GRAVEL of sandstone and quartzite with low to medium cobble content. Cobbles are rounded of sandstone and quartzite (GLACIAL DEPOSITS).		(1.40)					
0.60		ES 5				12/12/2013		1700									
0.60-0.80		B 6				13/12/2013		0800									
0.90-1.00		B 7				3.70		3.70									
1.00-1.45		SPT C		50 (16,9 for 42mm/ 23,27 for 31mm)		3.70		3.70									
1.00-1.40		B 9		N=60 (9,14/14,15,15,16)		3.90		3.60									
2.00-2.45		SPT C		N=66 (10,25/15,15,15,21)		2.00		2.00									
3.00-3.45		SPT C		N=64 (2,10/14,16,16,18)		3.00		2.70									
3.70-3.92		SPT C		50 (16,9 for 42mm/ 23,27 for 31mm)		3.70		3.70									
4.00-4.45		SPT C		N=60 (9,14/14,15,15,16)		3.90		3.60									
4.20-4.65		SPT C		N=61 (7,10/10,16,15,20)		4.00		3.50		EXPLORATORY HOLE ENDS AT 4.20 m		4.20					
Groundwater Entries		No. Struck (m)		Post strike behaviour		Depth sealed (m)		Depth Related Remarks *		From to (m)		Chiselling Depths (m)		Time		Tools used	
										1.20 4.20		1.40 -1.80		60 mins		Chisel	
												2.00 -2.30		60 mins		Chisel	
												2.30 -3.70		480 mins		Chisel	
												3.70 -4.20		450 mins		Chisel	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project Neath Town Centre Regeneration Project No. A3188-13 Carried out for Neath Port Talbot County Borough Council						Borehole P104A Sheet 1 of 1					

Borehole Log

PRELIMINARY

Drilled GW Logged PL Checked	Start 05/12/2014 End 05/12/2014	Equipment, Methods and Remarks Dando 1500 Hand excavated inspection pit GL to 1.20m bgl. Light cable percussive drilling 1.20 to 3.50m bgl. Water added to assist drilling 1.20 m to 3.50m bgl.		Depth from 0.00m to 3.50m Diameter 200mm Casing Depth 3.50m	Ground Level Coordinates National Grid Chainage	Datum? E 275571.89 N 197580.70		
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.30 0.30-0.60 0.50 0.70-1.00 0.70	D 1 B 3 ES 2 B 4 D 5		05/12/2014	0800	Grey angular fine to coarse GRAVEL of limestone (MADE GROUND)	0.10		
					Brown and grey slightly sandy very clayey rounded fine to coarse GRAVEL of sandstone, quartz and brick with low rounded sandstone cobble content. (MADE GROUND)	(1.00)		
1.20-1.50	SPT C	* 53 (3,7/15,38,- for 0mm)	1.20	dry	Very dense and dense grey slightly sandy slightly silty rounded fine to coarse GRAVEL of sandstone and quartzite with low rounded sandstone cobble content. (GLACIAL DEPOSITS)	1.10		
2.20-2.65	SPT C	N=46 (2,2/5,13,13,15)	2.20	dry		(2.40)		
3.20-3.65	SPT S	N=55 (2,7/10,10,14,21)	05/12/2014 3.50	1700		3.50		
EXPLORATORY HOLE ENDS AT 3.50 m								
Groundwater Entries No. Struck Post strike behaviour None observed (see Key Sheet)			Depth sealed (m) Depth Related Remarks * From to (m) 1.20 3.20 SPT Hammer EQU184 (ER 58%), Rod Type NWY.			Chiselling Depths (m) Time Tools used 1.00 -1.80 60 mins Chisel 2.30 -2.30 60 mins Chisel 2.80 -3.50 150 mins Chisel		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project Neath Town Centre Regeneration Project No. A3188-13 Carried out for Neath Port Talbot County Borough Council			Borehole P105 Sheet 1 of 1		

Borehole Log

PRELIMINARY

Drilled RD Logged PL Checked	Start 17/12/2013 End 06/01/2014	Equipment, Methods and Remarks Dando 175 Hand dug Inspection Pit GL - 1.20m. Cable Percussive Drilling from 1.2 to 10.1m. Terminated on Engineer's instruction.		Depth from 0.00m to 10.10m Diameter 250mm Casing Depth 10.10m	Ground Level Coordinates National Grid Chainage	Datum? E 275525.26 N 1976274.31		
Samples and Tests				Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			17/12/2013	0800	MACADAM (MADE GROUND).	0.10		
0.50	B 1				Brown and grey sandy very clayey angular to subangular fine to coarse GRAVEL of sandstone and brick. Occasional fragments of metal. (MADE GROUND).	(0.40)		
0.80	B 2							
1.20-1.41	SPT C B 3	50 (20,5 for 5mm/ 25,25 for 55mm)	17/12/2013	1800	Soft to firm brown and grey sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone. (GLACIAL DEPOSITS).	(0.50)		
1.20-1.40			18/12/2013	0800		1.20		
2.00-2.35	SPT C B 4	50 (11,9/16,19,15 for 50mm)			Brown and grey sandy clayey subrounded to rounded fine to coarse GRAVEL of sandstone with low to medium cobble content. Cobbles are subrounded to rounded of sandstone. (GLACIAL DEPOSITS).			
2.00-2.20								
3.00-3.34	SPT C B 5	50 (5,15/21,18,11 for 40mm)			Very dense brown and grey sandy clayey rounded fine to coarse GRAVEL of sandstone, quartz and quartzite with low to medium cobble content. Cobbles are rounded of sandstone and quartzite. (GLACIAL DEPOSITS).	(3.80)		
3.00-3.20								
4.00-4.37	SPT C B 6	50 (8,10/17,17,16 for 70mm)						
4.00-4.20								
5.00-5.37	SPT C B 7	50 (9,14/16,14,20 for 70mm)	18/12/2013	1800		5.00		
5.00-5.20			19/12/2013	0800	Very dense grey and brown sandy clayey rounded to well rounded fine to coarse GRAVEL of sandstone, quartz, quartzite and mudstone with low to medium cobble and boulder content. Cobbles are rounded to well rounded of sandstone and quartzite. Boulders are rounded of sandstone. (GLACIAL DEPOSITS).			
			5.00					
6.50-6.83	SPT C B 8	50 (10,12/15,25,10 for 30mm)				(3.90)		
6.50-6.70								
8.00-8.33	SPT C B 9	50 (8,16/19,21,10 for 25mm)						
8.00-8.20								
8.90-9.20	B 10		19/12/2013	1800	Brown and grey sandy slightly clayey rounded fine to coarse GRAVEL of sandstone and quartzite with low to medium cobble and boulder content. Cobbles are rounded of sandstone and quartzite. Boulders are rounded of	8.90		
			9.20			(0.30)		
9.50-9.93	SPT C B 11	50 (5,9/10,12,16,12 for 50mm)	20/12/2013	0800		9.20		
9.50-9.70	B 12		9.20	7.30		(0.90)		
9.70-10.10								
			20/12/2013	1800				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 10.10 m			
Groundwater Entries					Depth Related Remarks *		Chiselling	
No.	Struck (m)	Post strike behaviour	Depth sealed (m)		From	to (m)	Depths (m)	Time
1	7.20	-	-		1.20	10.10	1.20 - 5.00	150 mins Chisel
					8.90	9.20	5.00 - 8.90	480 mins Chisel
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project Neath Town Centre Regeneration		Borehole P106	
Project No. A3188-13					Carried out for Neath Port Talbot County Borough Council		Sheet 1 of 2	

Borehole Log

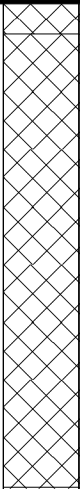
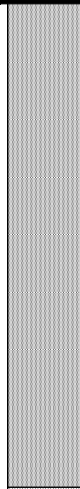
PRELIMINARY

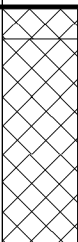
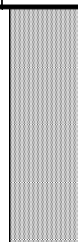
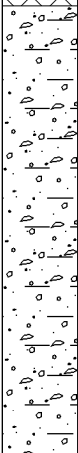
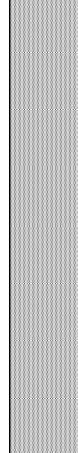
Drilled RD Logged PL Checked		Start 17/12/2013 End 06/01/2014	Equipment, Methods and Remarks Dando 175 Hand dug Inspection Pit GL - 1.20m. Cable Percussive Drilling from 1.2 to 10.1m. Terminated on Engineer's instruction.		Depth from 0.00m to 10.10m Diameter 250mm Casing Depth 10.10m	Ground Level Coordinates National Grid Chainage		Datum? E 275525.26 N 1976274.31				
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.10-10.49	SPT-C	50 (6,8/10,10,17,13 for 15mm)	10.10	7.30	8.90m - 9.20m : sandstone. (GLACIAL DEPOSITS). 9.20m - 10.10m : Very dense multicoloured slightly sandy slightly clayey rounded fine to coarse GRAVEL of sandstone, conglomerate, mudstone, quartz and quartzite with low to medium cobble and boulder content. Cobbles are rounded of sandstone, quartzite and conglomerate. Boulders are rounded of sandstone. (GLACIAL DEPOSITS) EXPLORATORY HOLE ENDS AT 10.10 m					10.10		SP
Depth	Type & No	Records	Date Casing	Time Water								
Groundwater Entries					Depth Related Remarks *					Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)		From to (m)					Depths (m)	Time	Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:50					Project Neath Town Centre Regeneration Project No. A3188-13 Carried out for Neath Port Talbot County Borough Council					Borehole P106 Sheet 2 of 2		

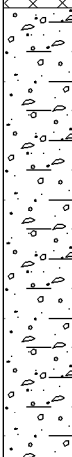
Trial Pit Log

PRELIMINARY

Logged GRP Checked		Start 12/12/2014 End 12/12/2014	Equipment, Methods and Remarks JCB (3CX) Machine excavated trial pit GL to 2.10m bgl.	Dimensions and Orientation Width 0.80 m Length 2.20 m 	Ground Level Coordinates National Grid Chainage	Datum? E 275567.27 N 197560.52
Samples and Tests			Strata	Depth, Level/ (Thickness) Legend Backfill/ Instruments		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.30 0.40	ES 1 B 2		Grey slightly silty slightly sandy angular fine to coarse GRAVEL of limestone (MADE GROUND)	0.20		
0.80 0.90	ES 3 B 4		Greyish brown sandy slightly clayey subrounded to subangular fine to coarse GRAVEL of limestone, mudstone, sandstone and clinker. Rare fragments of timber, plastic and metal (re-bar). (MADE GROUND).	(1.60)		
1.90 1.90	ES 5 B 6		Grey and dark grey slightly sandy very clayey subrounded fine to coarse GRAVEL of sandstone and mudstone. (GLACIAL DEPOSITS)	1.80 (0.30)		
			EXPLORATORY HOLE ENDS AT 2.10 m	2.10		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.80 -			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4811/02/2014 12:08:28			Project Neath Town Centre Regeneration Project No. A3188-13 Carried out for Neath Port Talbot County Borough Council	Trial Pit TP1 Sheet 1 of 1		

Logged GRP Checked	Start 12/12/2014 End 12/12/2014	Equipment, Methods and Remarks JCB(3CX) Machine excavated trial pit GL to 1.60m bgl. Terminated in hard strata.	Dimensions and Orientation Width 0.70 m Length 2.10 m 	Ground Level Coordinates National Grid Chainage	Datum? E 275566.30 N 197562.48
Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend Backfill/ Instruments
0.10 0.20	B 1 ES 2		Grey slightly silty slightly sandy angular fine to coarse GRAVEL of limestone (MADE GROUND)	0.10	 
0.60	ES 3		Greyish brown sandy slightly clayey subrounded to subangular fine to coarse GRAVEL with medium subangular to angular cobble content. Gravel and cobbles of limestone, brick, mudstone and sandstone. Rare fragments of metal, timber and clinker. (MADE GROUND).	(1.50)	
1.20	B 4				
			EXPLORATORY HOLE ENDS AT 1.60 m	1.60	
Depth	Type & No.	Records Date			
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Overcast	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4811/02/2014 12.08.30 			Project Neath Town Centre Regeneration Project No. A3188-13 Carried out for Neath Port Talbot County Borough Council	Trial Pit TP2 Sheet 1 of 1	

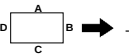
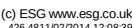
Logged GRP Checked		Start 12/12/2014 End 12/12/2014	Equipment, Methods and Remarks JCB (3CX) Machine excavated trial pit GL to 2.30m bgl.		Dimensions and Orientation Width 0.90 m Length 2.60 m A B C D →		Ground Level Coordinates National Grid Chainage		Datum? E 275568.65 N 197603.46	
Samples and Tests			Strata							
Depth	Type & No.	Date Records	Description				Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.20	B 1		Grey slightly sandy silty angular fine to coarse GRAVEL of limestone (MADE GROUND)				0.10			
0.30	ES 2		Brownish grey sandy slightly clayey subrounded to subangular fine to coarse GRAVEL of limestone, mudstone and sandstone. Rare fragments of metal (re-bar). (MADE GROUND).				(0.70)			
0.70	ES 3						0.80			
0.80	B 4		Orangish brown sandy clayey subrounded to rounded fine to coarse GRAVEL of sandstone and mudstone. (GLACIAL DEPOSITS)							
1.50	ES 5						(1.50)			
1.80	B 6									
			EXPLORATORY HOLE ENDS AT 2.30 m				2.30			

Logged GRP Checked		Start 12/12/2014 End 12/12/2014	Equipment, Methods and Remarks JCB (3CX) Machine excavated trial pit GL to 2.30m bgl.	Dimensions and Orientation Width 0.65 m Length 2.10 m A B C D B -		Ground Level Coordinates National Grid Chainage	Datum? E 275529.24 N 197606.74
Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.30	B 1		Brown and dark brown slightly sandy clayey angular to subrounded fine to coarse GRAVEL of sandstone, mudstone and rare brick. (MADE GROUND)	(0.50)			
0.60	ES 2		Dark grey and brown slightly sandy slightly clayey subangular fine to coarse GRAVEL of sandstone, mudstone. Sand includes ash. Occasional fragments of brick and metal (re-bar). (MADE GROUND).	0.50 (0.30)			
0.90 0.90	B 3 ES 5		Orangish brown sandy slightly clayey sub-rounded to rounded fine to coarse GRAVEL of sandstone and mudstone with low to medium cobble content. Cobbles are subrounded of sandstone and mudstone. Occasional pockets of soft clay. (GLACIAL DEPOSITS)	0.80			
1.40	ES 4			(1.50)			
1.90	B 6						
			EXPLORATORY HOLE ENDS AT 2.30 m	2.30			

Trial Pit Log

PRELIMINARY

Logged GRP Checked		Start 12/12/2014 End 12/12/2014	Equipment, Methods and Remarks JCB (3CX) Machine excavated trial pit GL to 1.00m bgl. Excavated through temporary bund.	Dimensions and Orientation Width 0.60 m Length 1.10 m 	Ground Level Coordinates National Grid Chainage	Datum? E 275551.91 N 197551.33	
Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
0.40	B 1		Soft to firm brown slightly sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone and mudstone (TOPSOIL).		0.10		
0.70	B 2		Greyish brown sandy slightly clayey GRAVEL with low cobble content. Cobbles are subangular. Gravel and cobbles are of concrete, sandstone, mudstone, brick and limestone. Occasional fragments of timber, plastic, glass and metal. (MADE GROUND)		(0.90)		
EXPLORATORY HOLE ENDS AT 1.00 m					1.00		
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Overcast		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) ESG www.esg.co.uk 426.4811/02/2014 12:08:37			Project Neath Town Centre Regeneration Project No. A3188-13 Carried out for Neath Port Talbot County Borough Council		Trial Pit TP5 Sheet 1 of 1		

Logged GRP Checked		Start 12/12/2014 End 12/12/2014	Equipment, Methods and Remarks JCB(3CX) Machine excavated trial pit GL to 1.00m bgl. Excavated through temporary bund		Dimensions and Orientation Width 0.60 m Length 1.10 m 		Ground Level Coordinates National Grid Chainage		Datum? E 275568.18 N 197534.89	
Samples and Tests			Strata							
Depth	Type & No.	Date Records	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50 0.60	ES 1 B 2		Soft to firm brown slightly sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone and mudstone (TOPSOIL). Greyish brown sandy slightly clayey GRAVEL with low cobble content. Cobbles are subangular. Gravel and cobbles are of concrete, sandstone, mudstone, brick and limestone. Occasional fragments of timber, plastic, glass and metal. (MADE GROUND)					0.10 (0.90)		
			EXPLORATORY HOLE ENDS AT 1.00 m					1.00		
Depth	Type & No.	Records Date								
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)					Stability Stable Shoring None Weather Overcast, drizzle		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 			Project Neath Town Centre Regeneration Project No. A3188-13 Carried out for Neath Port Talbot County Borough Council					Trial Pit TP6 Sheet 1 of 1		

ENCLOSURE D

INSTRUMENTATION AND MONITORING

Installation Details

D1

Groundwater and Gas Monitoring

D2-1 and D2-2

Installation Details

Hole No	Instrument ID	Installation Type	Date of Installation	Reference depth (mBGL)	Piezometer Diameter (mm)	Top of response zone (mBGL)	Base of response zone (mBGL)	Tubing Completion Details	Headworks	Remarks
P101		SP	4 Dec 2014	0.00	50	1.00	3.40	Gas tap	Stop cock cover	
P106		SP	6 Jan 2014	0.00	50	8.10	10.10	Gas tap	Stop cock cover	

[illegible]

[illegible]

ENCLOSURE E
GEOTECHNICAL LABORATORY TEST RESULTS

Index Properties – Summary of Results
Particle Size Distribution Analyses
Chemical Tests – Summary of Results

INDX 1
PSD 1 to 17
CHEM 1

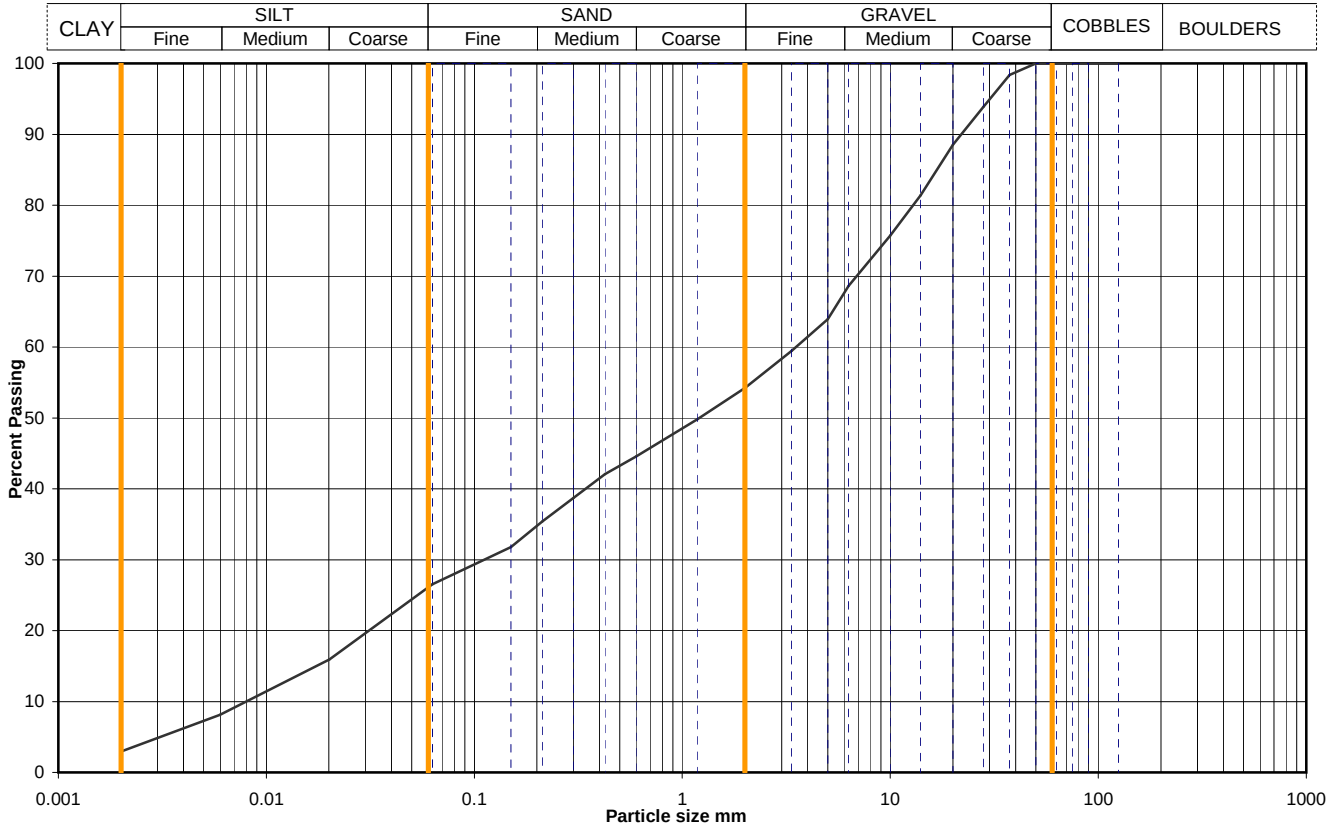
INDEX PROPERTIES - SUMMARY OF RESULTS

Project No	Project Name													
A3188-13	Neath Town Centre Regeneration													
Hole No.	Sample				Soil Description	ρ	ρ_d	W	< 425 μm sieve	W_L	W_P	I_P	ρ_s	Remarks
	No.	Depth (m)		type		Mg/m^3	$\%$	$\%$	$\%$	$\%$	$\%$	Mg/m^3		
		from	to											
P101	10	2.10		D	Dark greyish brown organic slightly gravelly CLAY.			37	76 s	37 a	22	15		
P101	13	2.50		D	Dark grey organic slightly gravelly CLAY.			138	63 s	47 b	31	16		
P103	3	0.40	0.60	B	Dark brown slightly sandy slightly gravelly CLAY.			23	71 s	37 a	23	14		
P104A	3	0.60		D	Dark brown slightly sandy slightly gravelly CLAY.			23	75 s	35 a	22	13		

General notes: All above tests carried out to BS1377 : 1990 unless annotated otherwise. See individual test reports for further details.													
Key :													
ρ	bulk density, linear	W_L	Liquid limit	W_P	Plastic limit	<425um preparation	ρ_s	particle density					
ρ_d	dry density	a	4 point cone test	NP	non - plastic	n	from natural soil	-g	gas jar				
w	moisture content	b	1 point cone test	I_P	Plasticity Index	s	sieved specimen	-p	small pyknometer				
QA Ref								Table					
SLR 1 Rev 91 Mar 12								Printed:12/02/2014 16:04			INDX 1		

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		P101		
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		1.20		
			Samp No	9	Type	B	
			ID	ESGA3188201401030000000007			
			Spec Ref				



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0201	16
90	100	0.0060	8
75	100	0.0020	3
63	100		
50	100		
37.5	98		
28	94		
20	89		
14	81		
10	76		
6.3	69		
5.0	64		
3.35	59		
2.00	54		
1.18	50		
0.600	45		
0.425	42		
0.300	39		
0.212	35		
0.150	32		
0.063	27		

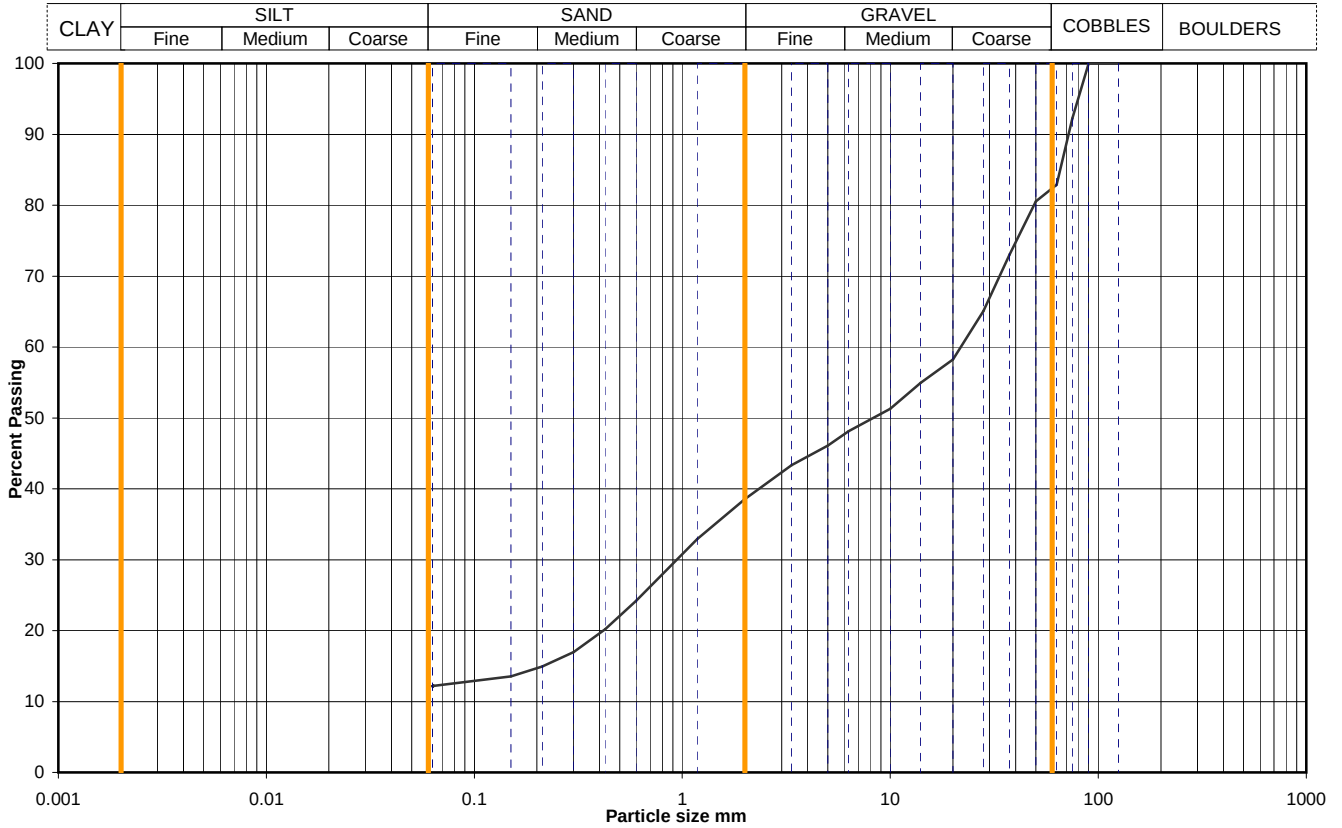
Soil description	Dark brown and grey organic slightly sandy slightly gravelly SILT.		
Preparation / Pretreatment	Sieve: natural material Pipette: as BS1377		
Remarks			
Sample Proportions * <60mm values to aid description only	Cobbles / boulders	Whole	* <60mm
	Gravel	0	0
	Sand	46	46
	Silt	28	28
	Clay	23	23

Uniformity Coefficient	D_{60} / D_{10}	438
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.4 pipette

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		P101	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		4.00	
			Samp No	14	Type	B
			ID	ESGA3188201401030000000017		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	92		
63	83		
50	81		
37.5	73		
28	65		
20	58		
14	55		
10	51		
6.3	48		
5.0	46		
3.35	43		
2.00	39		
1.18	33		
0.600	24		
0.425	20		
0.300	17		
0.212	15		
0.150	14		
0.063	12		

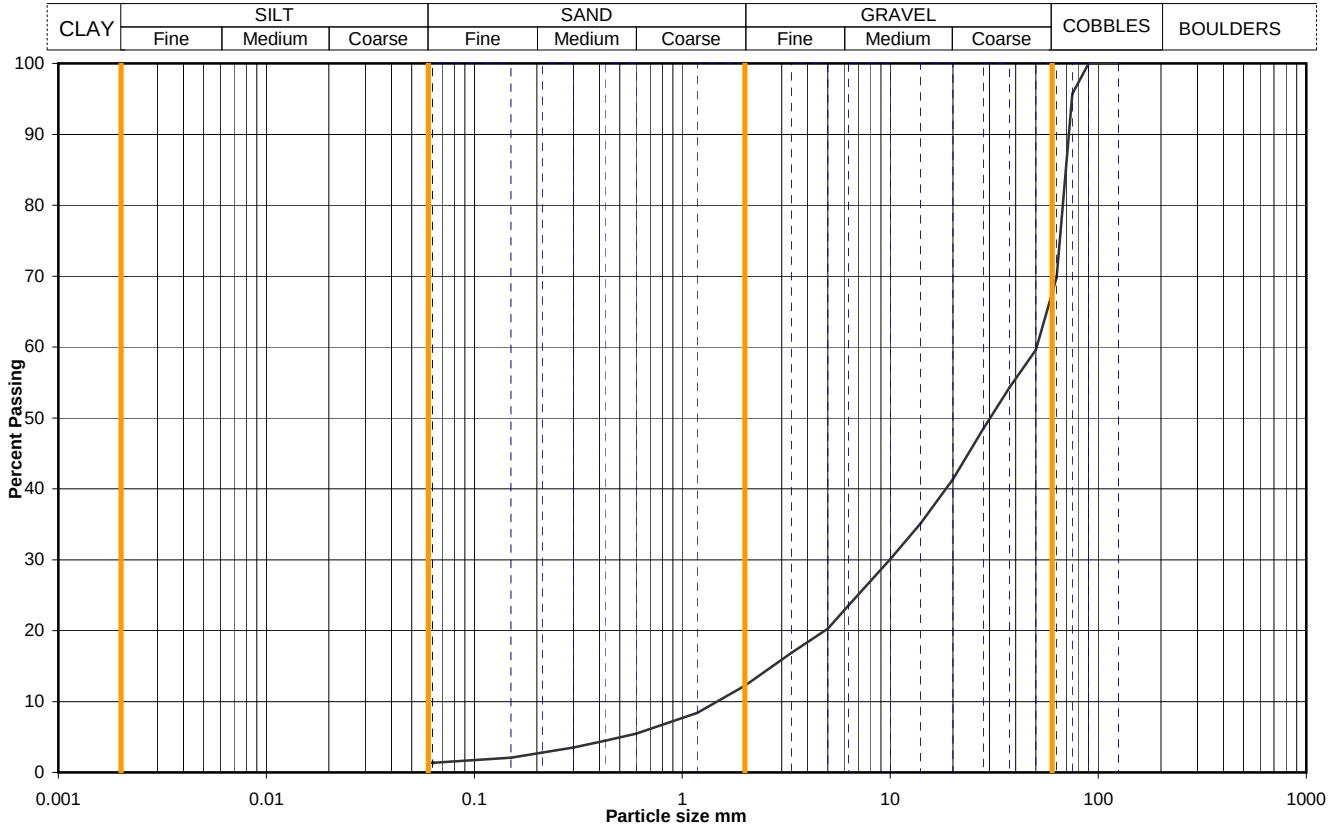
Soil description	Greyish brown very sandy clayey GRAVEL with three cobbles.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions *<60mm values to aid description only	Cobbles / boulders Gravel Sand Silt Clay	Whole	*<60mm
		18	0
		43	52
		26	32
		silt+clay =	
		13	16

Uniformity Coefficient	D_{60} / D_{10}	Not applicable
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		P101	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		9.00	
			Samp No	20	Type	B
			ID	ESGA3188201401030000000023		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	96		
63	70		
50	60		
37.5	54		
28	48		
20	41		
14	35		
10	30		
6.3	24		
5.0	20		
3.35	17		
2.00	12		
1.18	8		
0.600	5		
0.425	4		
0.300	4		
0.212	3		
0.150	2		
0.063	1		

Dry mass of sample, kg			
		10.8	

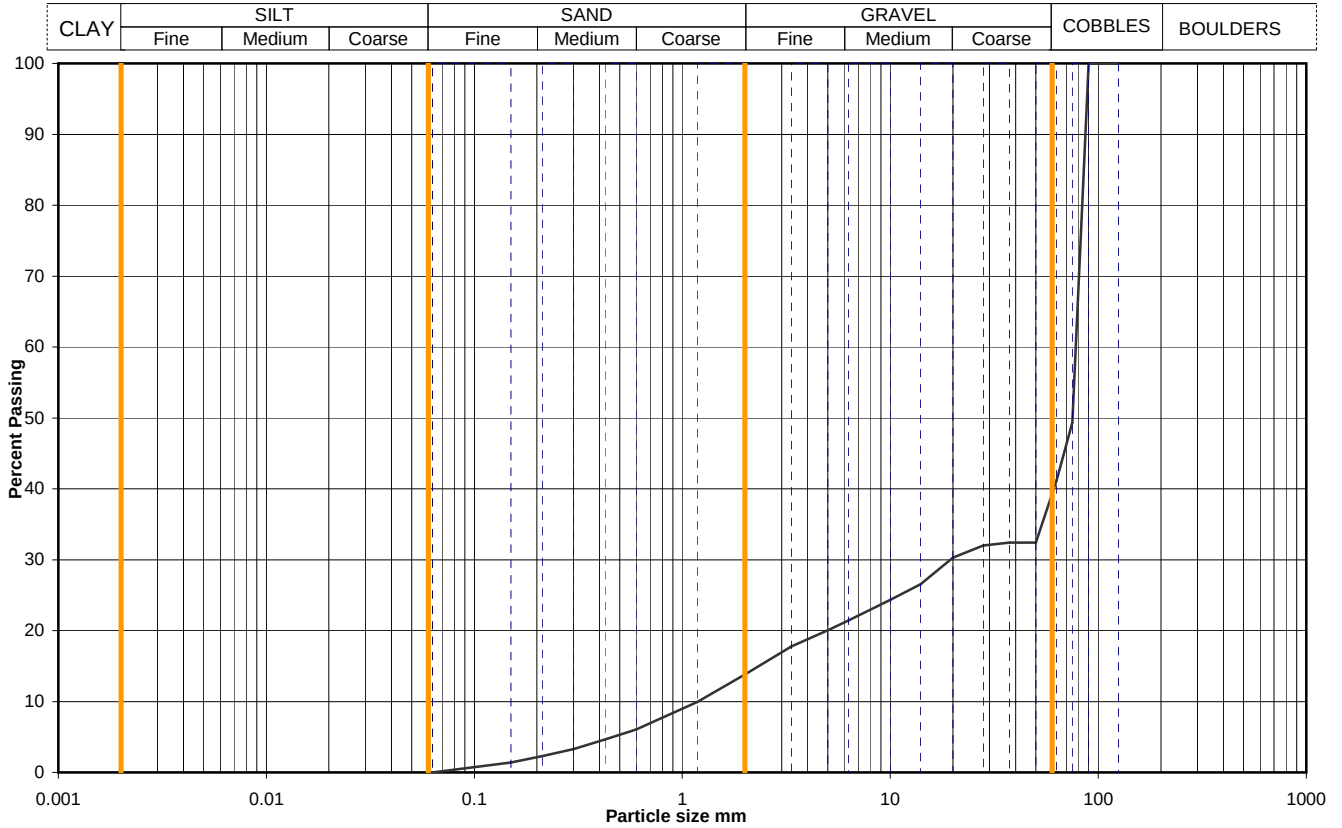
Soil description	Brown sandy GRAVEL with six cobbles.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * < 60mm values to aid description only	Cobbles / boulders Gravel Sand Silt Clay	Whole	* < 60mm
		32	0
		56	82
		11	16
		silt+clay =	
		1	1

Uniformity Coefficient	D_{60} / D_{10}	34
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		P101	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		14.50	
			Samp No	26	Type	B
			ID	ESGA3188201401030000000029		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	49		
63	41		
50	32		
37.5	32		
28	32		
20	30		
14	27		
10	24		
6.3	21		
5.0	20		
3.35	18		
2.00	14		
1.18	10		
0.600	6		
0.425	5		
0.300	3		
0.212	2		
0.150	1		
0.063	0		

Dry mass of sample, kg			
		13.7	

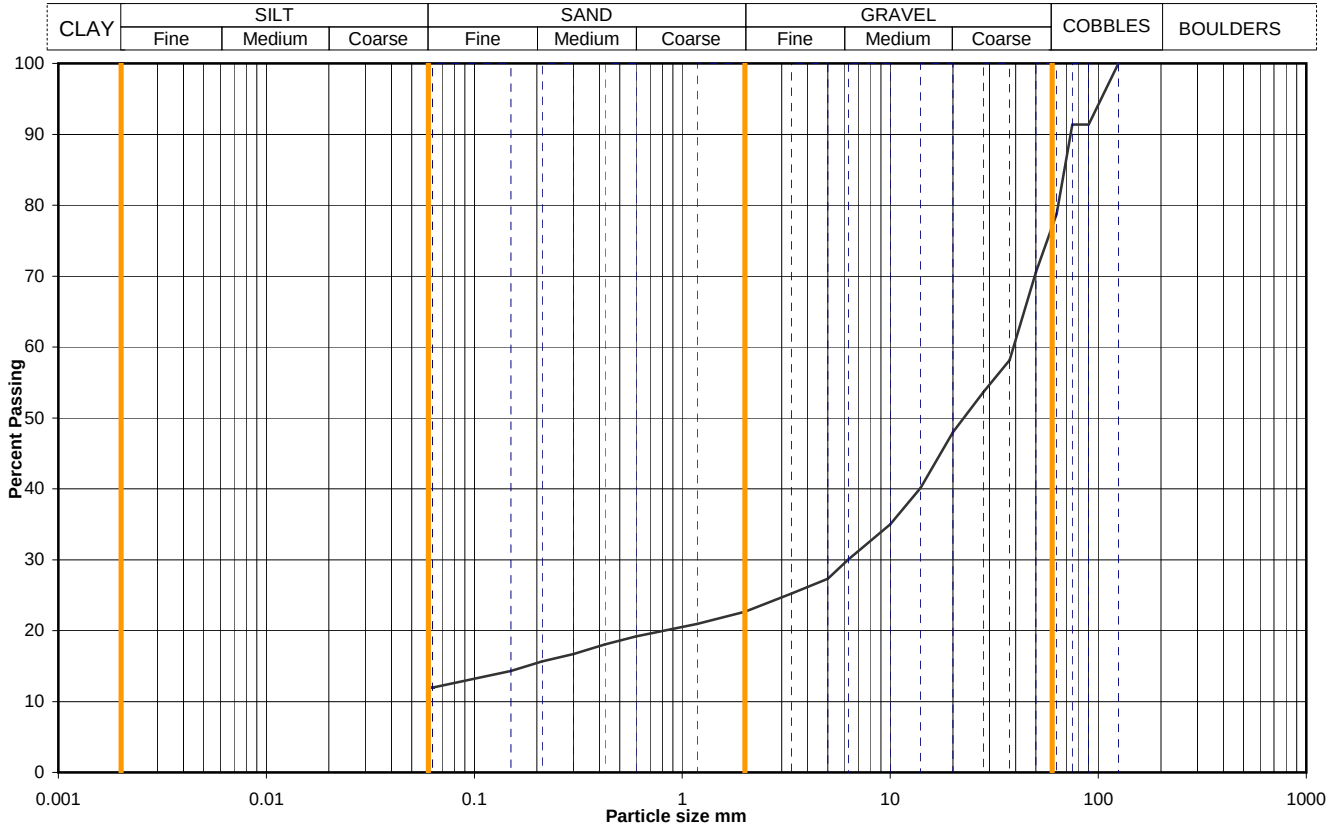
Soil description	Dark brown sandy very gravelly COBBLES.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * <60mm values to aid description only	Cobbles / boulders	Whole	* <60mm
	Gravel	61	0
	Sand	25	64
	Silt	14	36
	Clay	silt+clay =	
		0	0

Uniformity Coefficient	D_{60} / D_{10}	65
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		P103	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		0.70	
			Samp No	4	Type	B
			ID	ESGA3188201401030000000033		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	91		
75	91		
63	79		
50	71		
37.5	58		
28	54		
20	48		
14	40		
10	35		
6.3	30		
5.0	27		
3.35	25		
2.00	23		
1.18	21		
0.600	19		
0.425	18		
0.300	17		
0.212	16		
0.150	14		
0.063	12		

Dry mass of sample, kg		12.8	

Soil description	Brown slightly sandy gravelly CLAY with four cobbles.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * < 60mm values to aid description only	Cobbles / boulders	Whole	* < 60mm
	Gravel	23	0
	Sand	54	70
	Silt	11	14
	Clay	silt+clay = 12	16

Uniformity Coefficient	D_{60} / D_{10}	Not applicable
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

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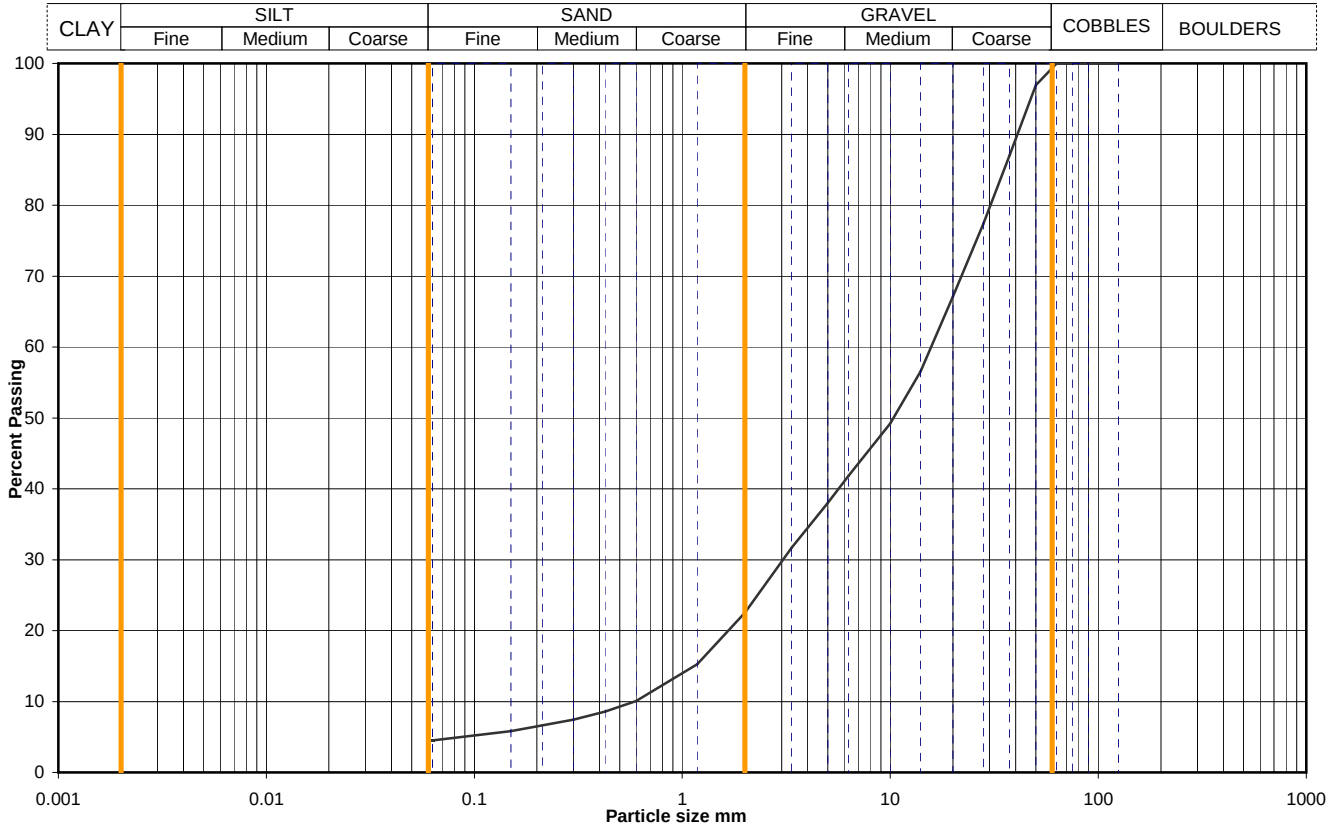


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Figure
PSD 5

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		P103	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		3.20	
			Samp No	6	Type	B
			ID	ESGA3188201401030000000035		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	97		
37.5	87		
28	77		
20	67		
14	57		
10	49		
6.3	42		
5.0	38		
3.35	32		
2.00	23		
1.18	15		
0.600	10		
0.425	9		
0.300	7		
0.212	7		
0.150	6		
0.063	5		

Dry mass of sample, kg			
11.0			

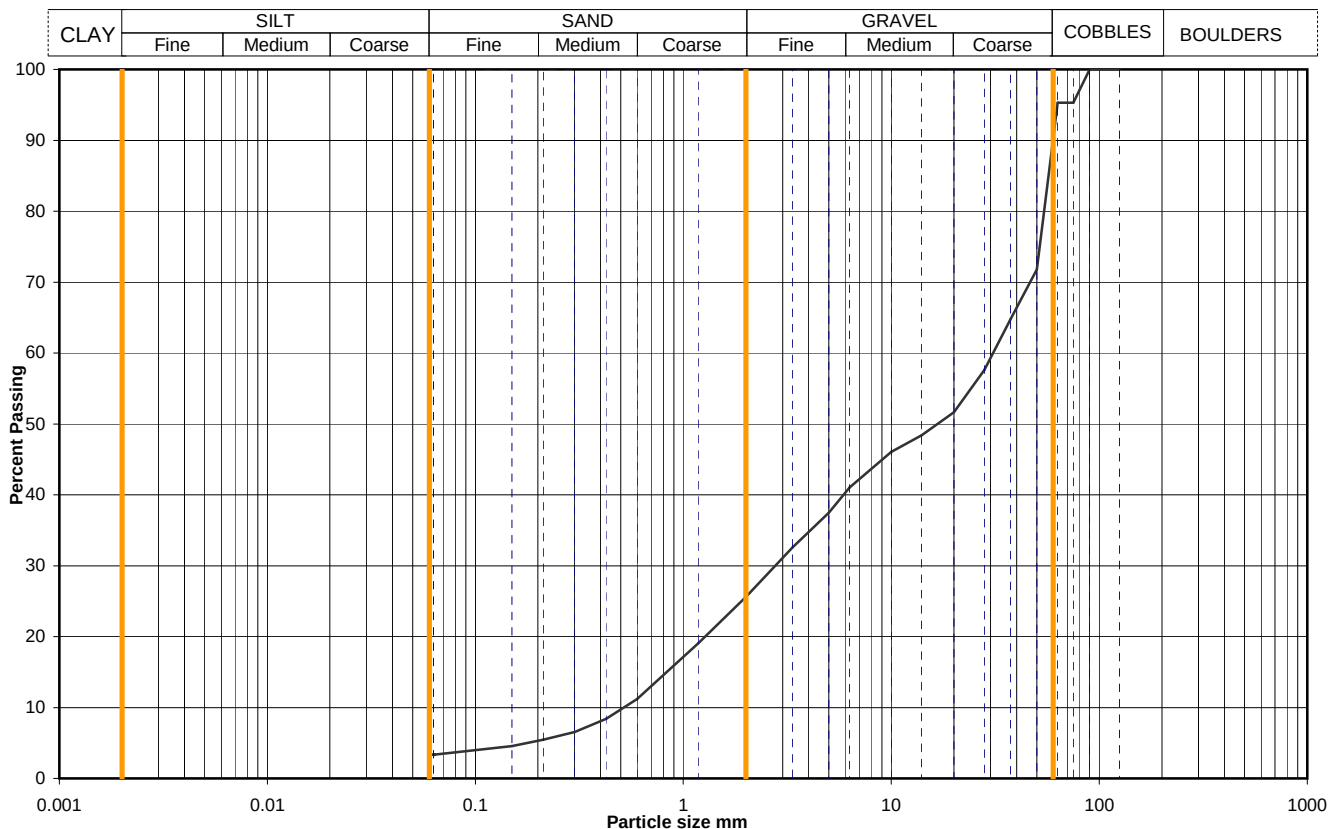
Soil description	Brown sandy clayey GRAVEL.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * < 60mm values to aid description only	Cobbles / boulders Gravel Sand Silt Clay	Whole	* < 60mm
		1	0
		76	77
		18	18
		silt+clay =	
		5	5

Uniformity Coefficient	D_{60} / D_{10}	27
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		P104A	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		1.00	
			Samp No	9	Type	B
			ID	ESGA3188-13201401100000000085		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	95		
63	95		
50	72		
37.5	65		
28	58		
20	52		
14	48		
10	46		
6.3	41		
5.0	37		
3.35	33		
2.00	26		
1.18	19		
0.600	11		
0.425	8		
0.300	7		
0.212	5		
0.150	5		
0.063	3		

Dry mass of sample, kg			
		15.8	

Soil description	Brown very sandy slightly clayey GRAVEL with one cobble.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * <60mm values to aid description only	Cobbles / boulders Gravel Sand Silt Clay	Whole	* <60mm
		10	0
		64	71
		22	24
		silt+clay =	
		4	4

Uniformity Coefficient	D_{60} / D_{10}	60
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

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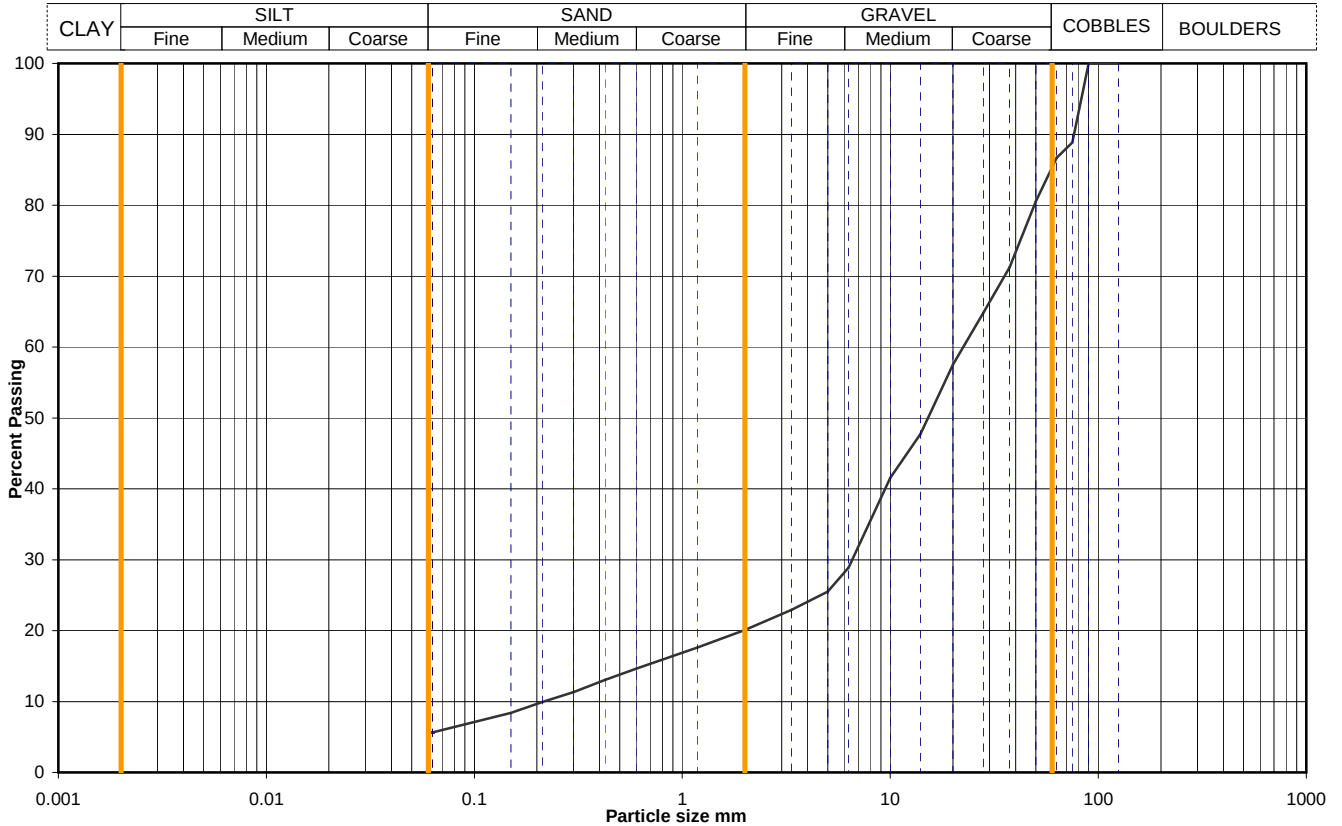


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Figure
PSD 7

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		P105	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		0.30	
			Samp No	3	Type	B
			ID	ESGA3188201401030000000042		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	89		
63	87		
50	81		
37.5	71		
28	65		
20	58		
14	48		
10	42		
6.3	29		
5.0	26		
3.35	23		
2.00	20		
1.18	18		
0.600	15		
0.425	13		
0.300	11		
0.212	10		
0.150	8		
0.063	6		

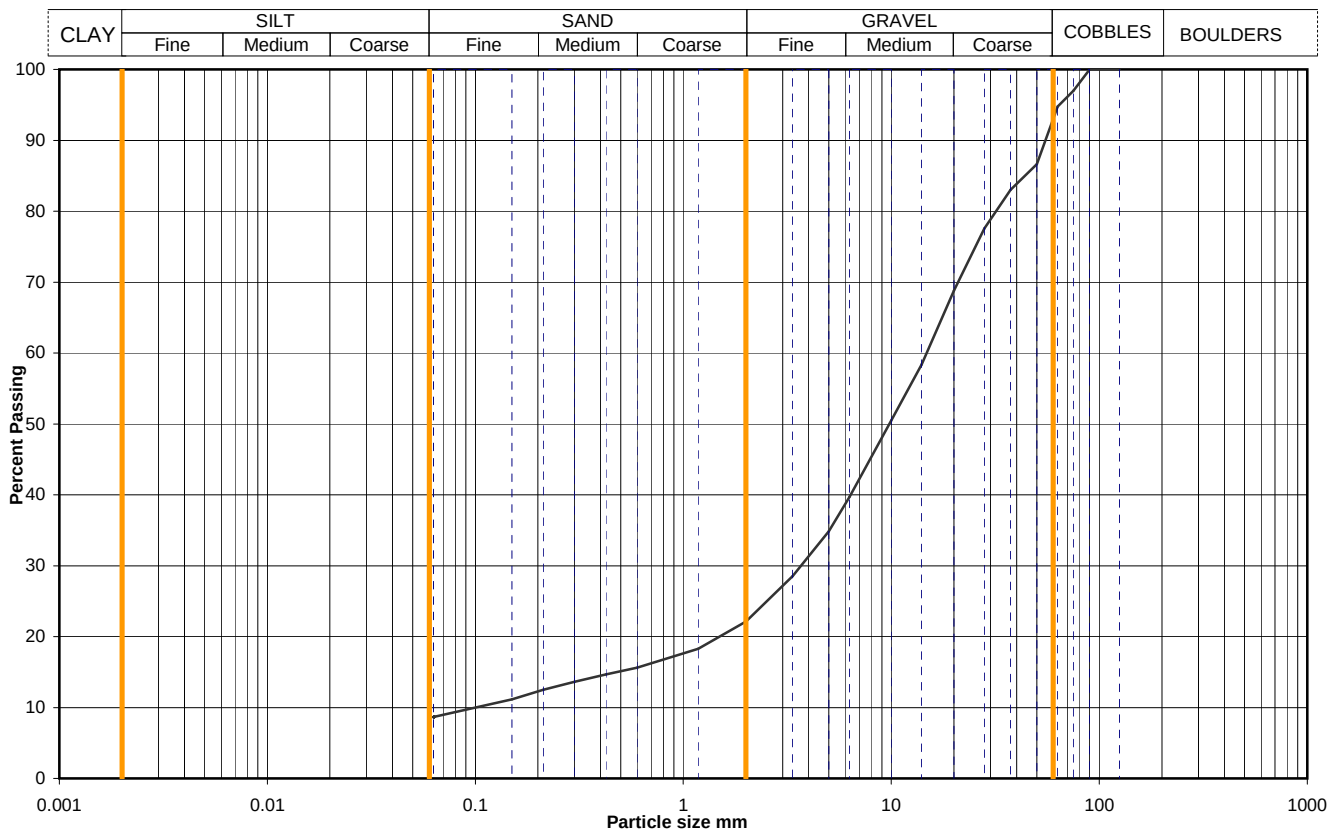
Soil description	Dark greyish brown sandy clayey GRAVEL with three cobbles.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * < 60mm values to aid description only	Cobbles / boulders	Whole	* < 60mm
	Gravel	15	0
	Sand	65	76
	Silt	14	16
	Clay	silt+clay = 6	7

Uniformity Coefficient	D_{60} / D_{10}	104
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		P106	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		0.80	
			Samp No	2	Type	B
			ID	ESGA3188-1320140108436653		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	97		
63	95		
50	87		
37.5	83		
28	78		
20	69		
14	58		
10	50		
6.3	40		
5.0	35		
3.35	29		
2.00	22		
1.18	18		
0.600	16		
0.425	15		
0.300	14		
0.212	13		
0.150	11		
0.063	9		

Dry mass of sample, kg			
22.8			

Soil description	Brown sandy clayey GRAVEL with two cobbles.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * <60mm values to aid description only	Cobbles / boulders Gravel Sand Silt Clay	Whole	* <60mm
		7	0
		71	76
		13	14
		silt+clay =	
		9	10

Uniformity Coefficient	D_{60} / D_{10}	148
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

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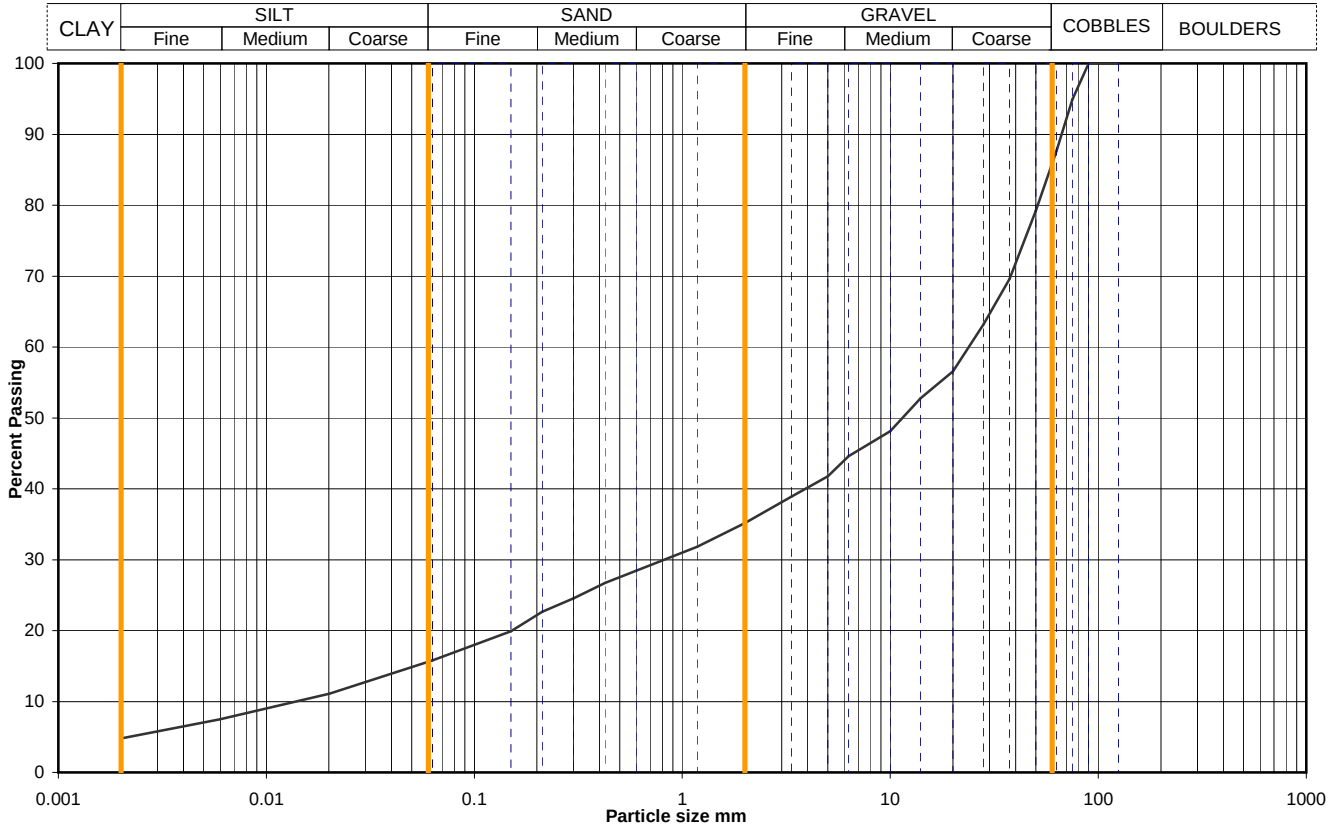
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Figure

PSD 9

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		P106	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		3.00	
			Samp No	5	Type	B
			ID	ESGA3188-1320140108488288		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0201	11
90	100	0.0060	8
75	95	0.0020	5
63	88		
50	79		
37.5	70		
28	63		
20	57		
14	53		
10	48		
6.3	45		
5.0	42		
3.35	39		
2.00	35		
1.18	32		
0.600	28		
0.425	27		
0.300	25		
0.212	23		
0.150	20		
0.063	16		

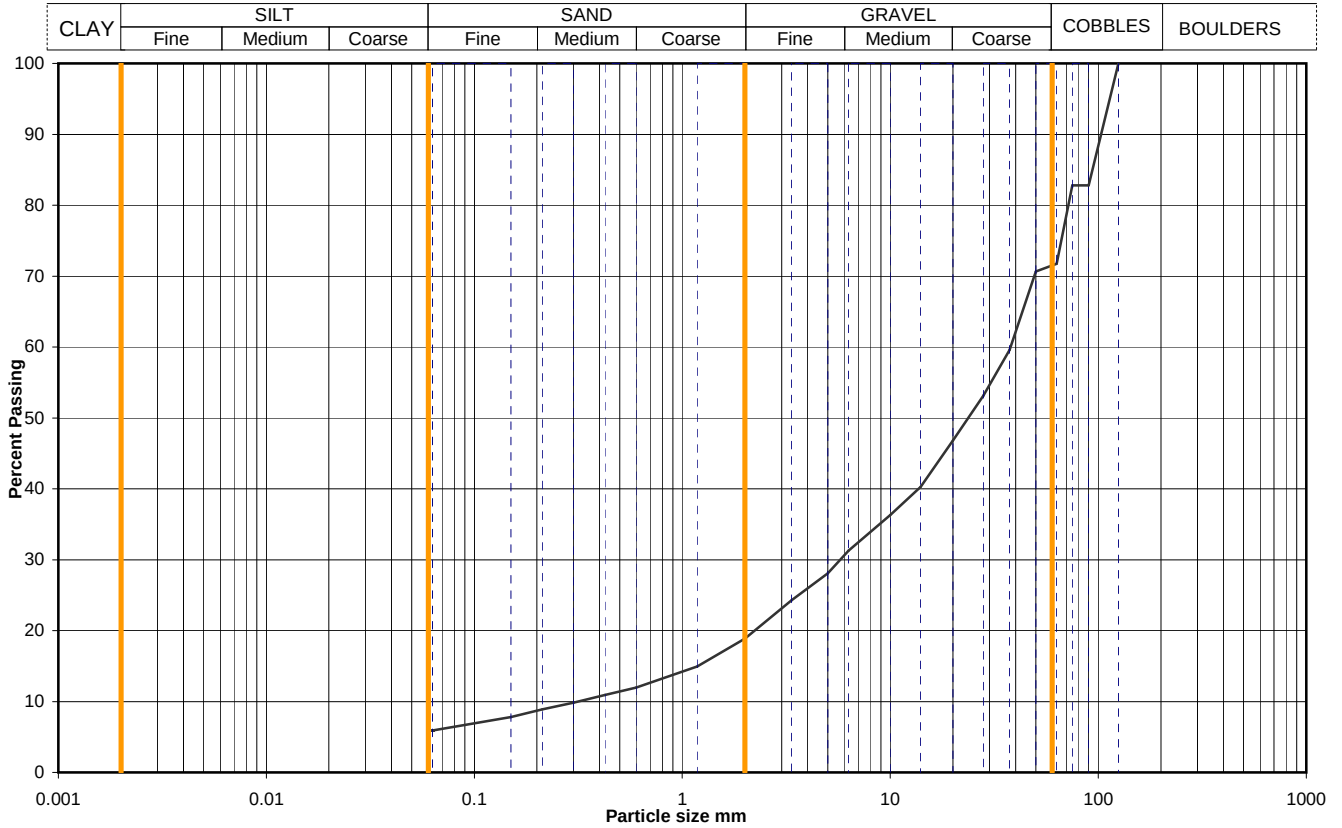
Soil description	Dark greyish brown slightly sandy gravelly CLAY.		
Preparation / Pretreatment	Sieve: natural material Pipette: as BS1377		
Remarks			
Sample Proportions * <60mm values to aid description only	Cobbles / boulders	Whole	* <60mm
	Gravel	14	0
	Sand	51	59
	Silt	20	23
	Clay	11	13
		4	5

Uniformity Coefficient	D_{60} / D_{10}	1725
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.4 pipette

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		P106	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		6.50	
			Samp No	8	Type	B
			ID	ESGA3188-1320140108776684		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	83		
75	83		
63	72		
50	71		
37.5	60		
28	53		
20	47		
14	40		
10	36		
6.3	31		
5.0	28		
3.35	24		
2.00	19		
1.18	15		
0.600	12		
0.425	11		
0.300	10		
0.212	9		
0.150	8		
0.063	6		

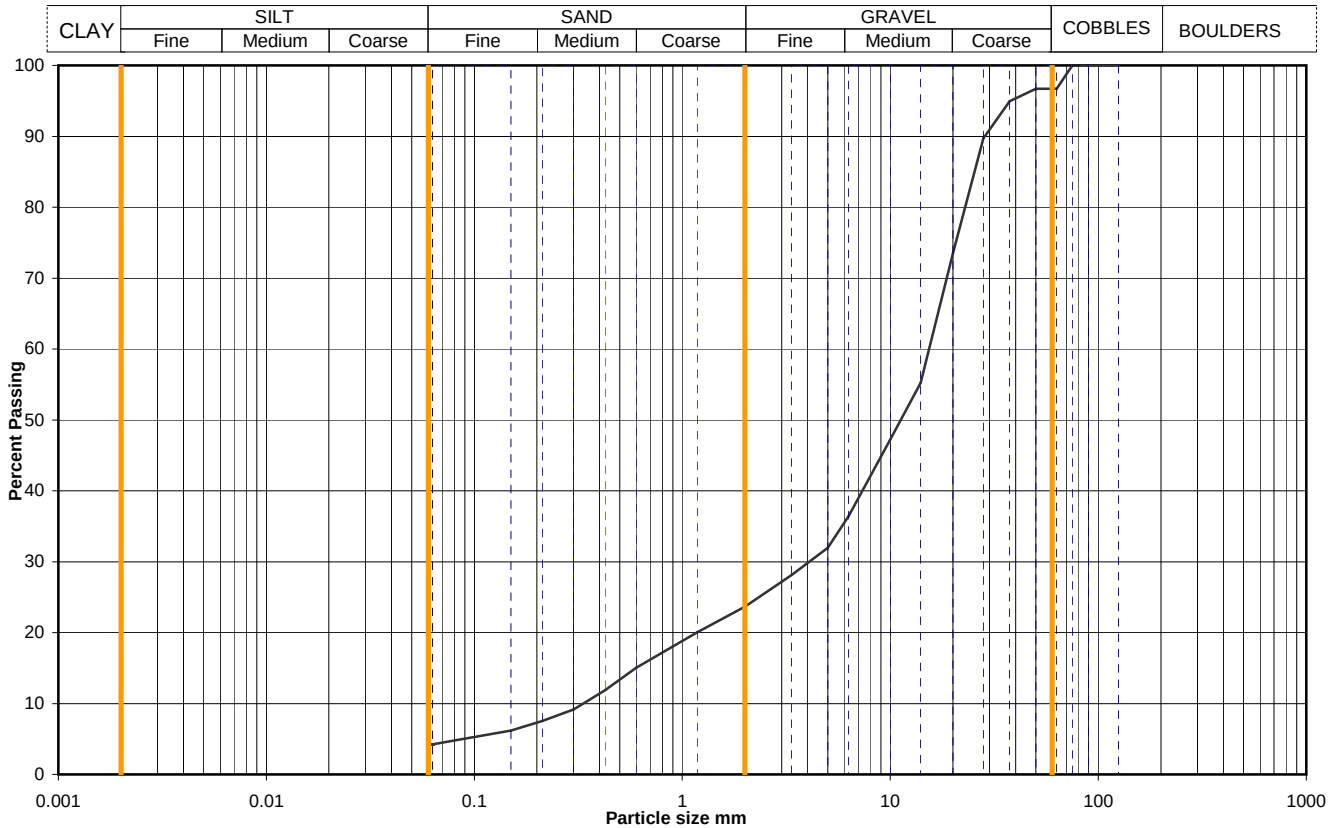
Soil description	Brownish grey sandy clayey GRAVEL with eight cobbles.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * <60mm values to aid description only	Cobbles / boulders	Whole	* <60mm
	Gravel	28	0
	Sand	53	74
	Silt	13	18
	Clay	silt+clay = 6	8

Uniformity Coefficient	D_{60} / D_{10}	120
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		TP1	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		0.40	
			Samp No	2	Type	B
			ID	ESGA3188-13201401060000000048		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	97		
50	97		
37.5	95		
28	90		
20	74		
14	55		
10	47		
6.3	36		
5.0	32		
3.35	28		
2.00	24		
1.18	20		
0.600	15		
0.425	12		
0.300	9		
0.212	8		
0.150	6		
0.063	4		

Dry mass of sample, kg		13.9	

Soil description	Dark grey sandy clayey GRAVEL with rare plant remains and one cobble.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * < 60mm values to aid description only	Cobbles / boulders Gravel Sand Silt Clay	Whole	* < 60mm
		3	0
		73	75
		19	20
		silt+clay =	
		5	5

Uniformity Coefficient	D_{60} / D_{10}	46
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

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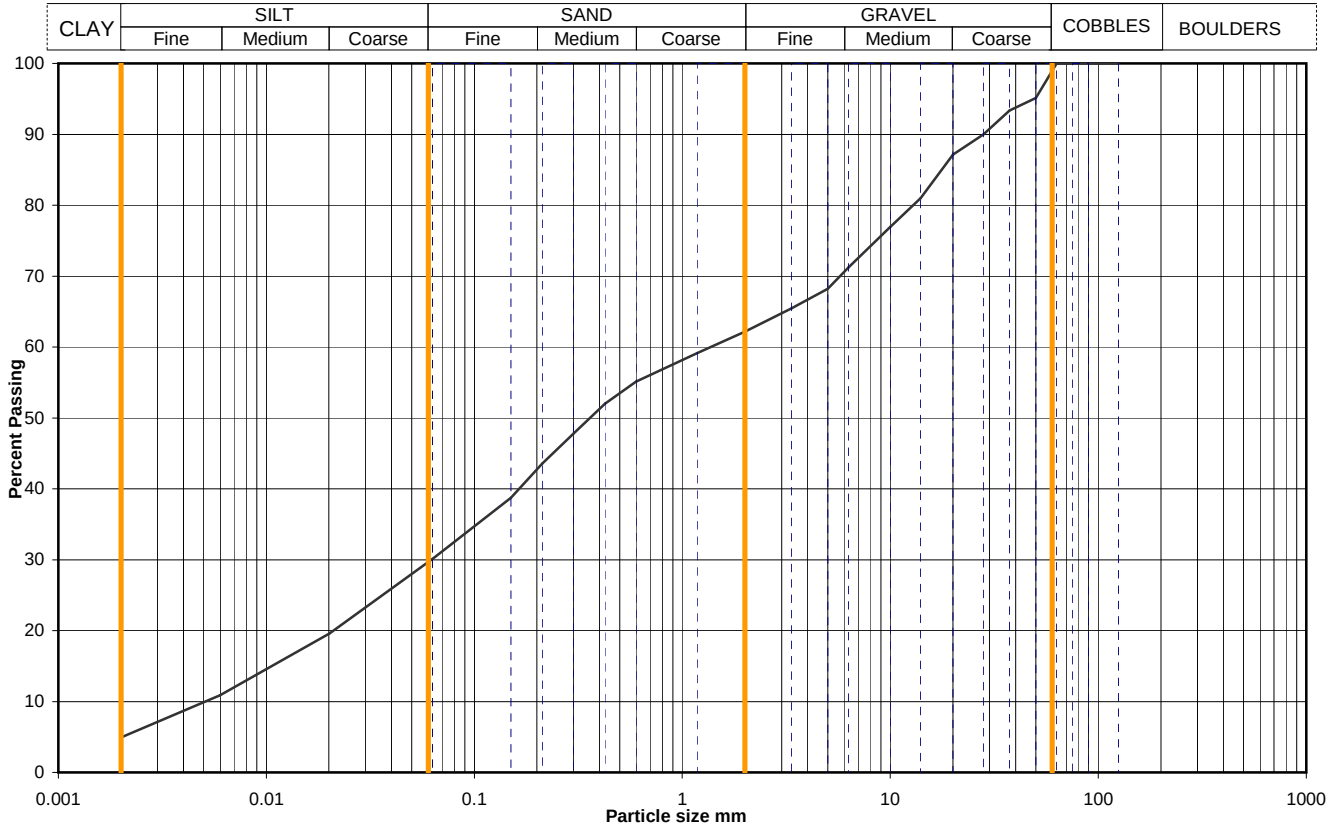


Printed: 12/02/2014 16:05

Figure
PSD 12

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		TP1	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		1.90	
			Samp No	6	Type	B
			ID	ESGA3188-13201401060000000052		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0201	20
90	100	0.0060	11
75	100	0.0020	5
63	100		
50	95		
37.5	93		
28	90		
20	87		
14	81		
10	77		
6.3	71		
5.0	68		
3.35	65		
2.00	62		
1.18	59		
0.600	55	Particle density, Mg/m3 2.65 assumed	
0.425	52		
0.300	48	Dry mass of sample, kg 11.4	
0.212	44		
0.150	39		
0.063	30		

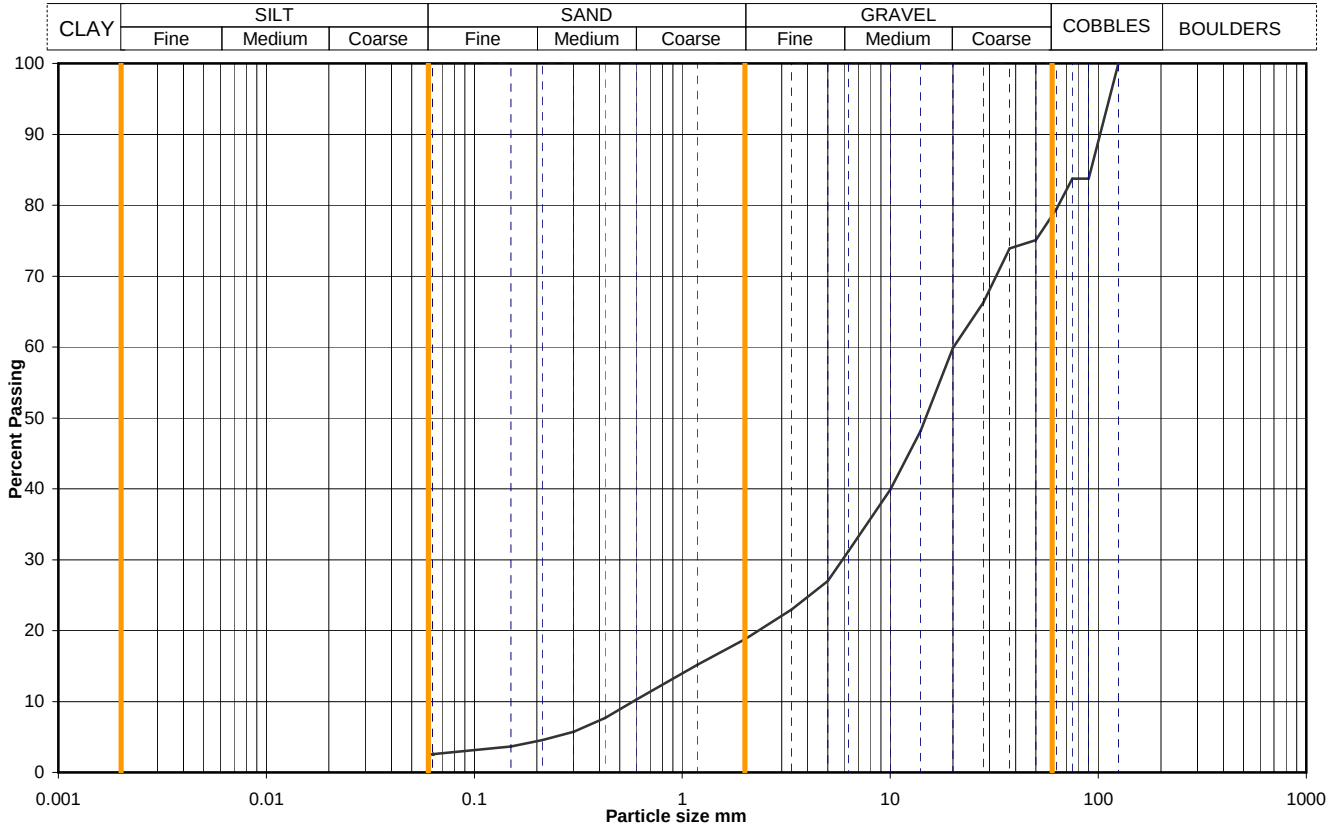
Soil description	Greyish brown slightly gravelly sandy SILT.		
Preparation / Pretreatment	Sieve: natural material Pipette: as BS1377		
Remarks			
Sample Proportions * <60mm values to aid description only	Cobbles / boulders Gravel Sand Silt Clay	Whole	* <60mm
		1	0
		37	37
		32	32
		25	25
		5	5

Uniformity Coefficient	D_{60} / D_{10}	269
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.4 pipette

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		TP2	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		1.20	
			Samp No	4	Type	B
			ID	ESGA3188-13201401060000000056		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	84		
75	84		
63	79		
50	75		
37.5	74		
28	66		
20	60		
14	48		
10	40		
6.3	31		
5.0	27		
3.35	23		
2.00	19		
1.18	15		
0.600	10		
0.425	8		
0.300	6		
0.212	5		
0.150	4		
0.063	3		

Dry mass of sample, kg		13.6	

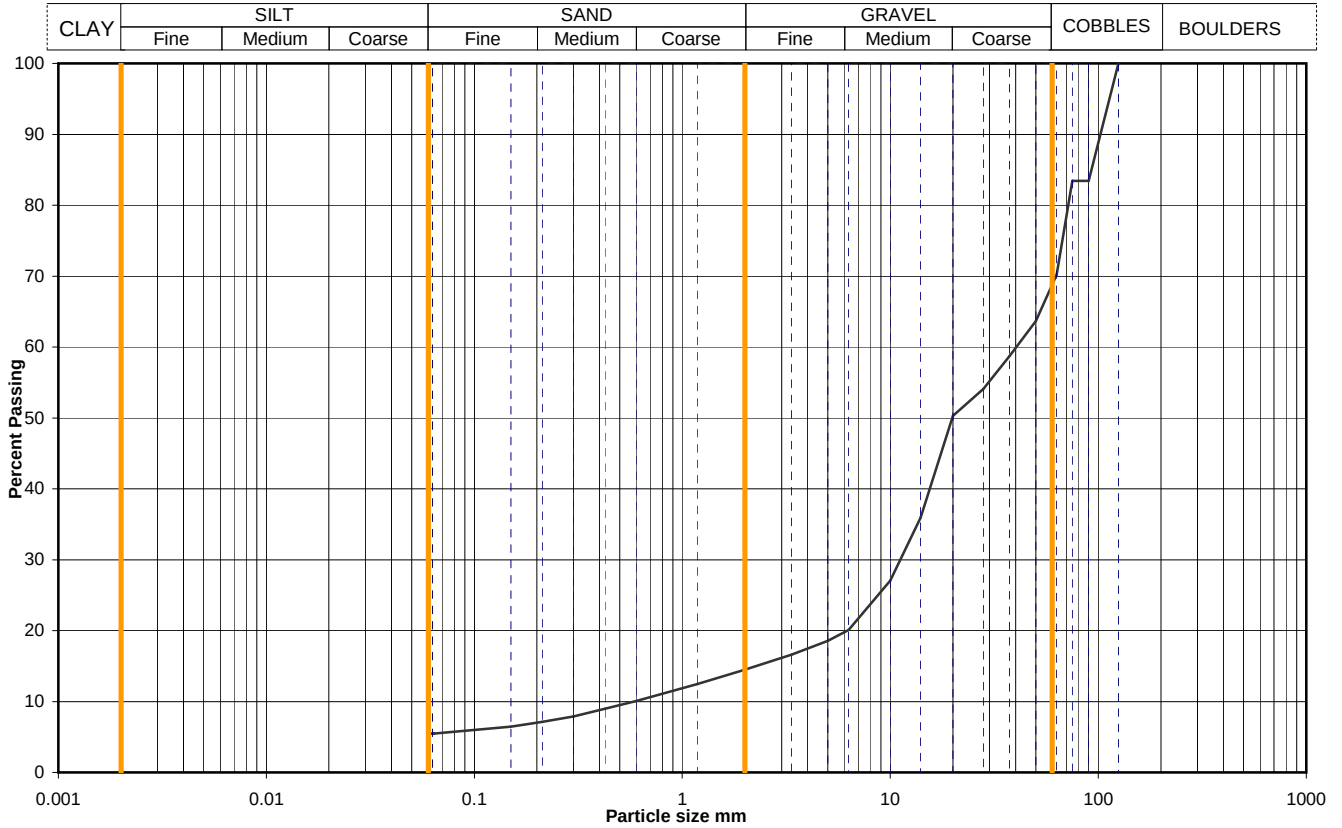
Soil description	Greyish brown sandy slightly clayey GRAVEL with three cobbles.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * <60mm values to aid description only	Cobbles / boulders Gravel Sand Silt Clay	Whole	* <60mm
		21	0
		60	76
		16	20
		silt+clay =	
		3	4

Uniformity Coefficient	D_{60} / D_{10}	35
------------------------	-------------------	----

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		TP3		
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		1.80		
			Samp No	6	Type	B	
			ID	ESGA3188-13201401060000000062			
			Spec Ref				



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	83		
75	83		
63	70		
50	64		
37.5	59		
28	54		
20	50		
14	36		
10	27		
6.3	20		
5.0	19		
3.35	17		
2.00	14		
1.18	12		
0.600	10		
0.425	9		
0.300	8		
0.212	7		
0.150	6		
0.063	5		
		Dry mass of sample, kg	
		30.5	

Soil description	Brownish grey sandy clayey GRAVEL with six cobbles.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * <60mm values to aid description only	Cobbles / boulders Gravel Sand Silt Clay	Whole	* <60mm
		31	0
		55	80
		9	13
		silt+clay =	
		5	7

Uniformity Coefficient	D_{60} / D_{10}	69
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

QA Ref
SLR 2,9
Rev 88
Aug 11

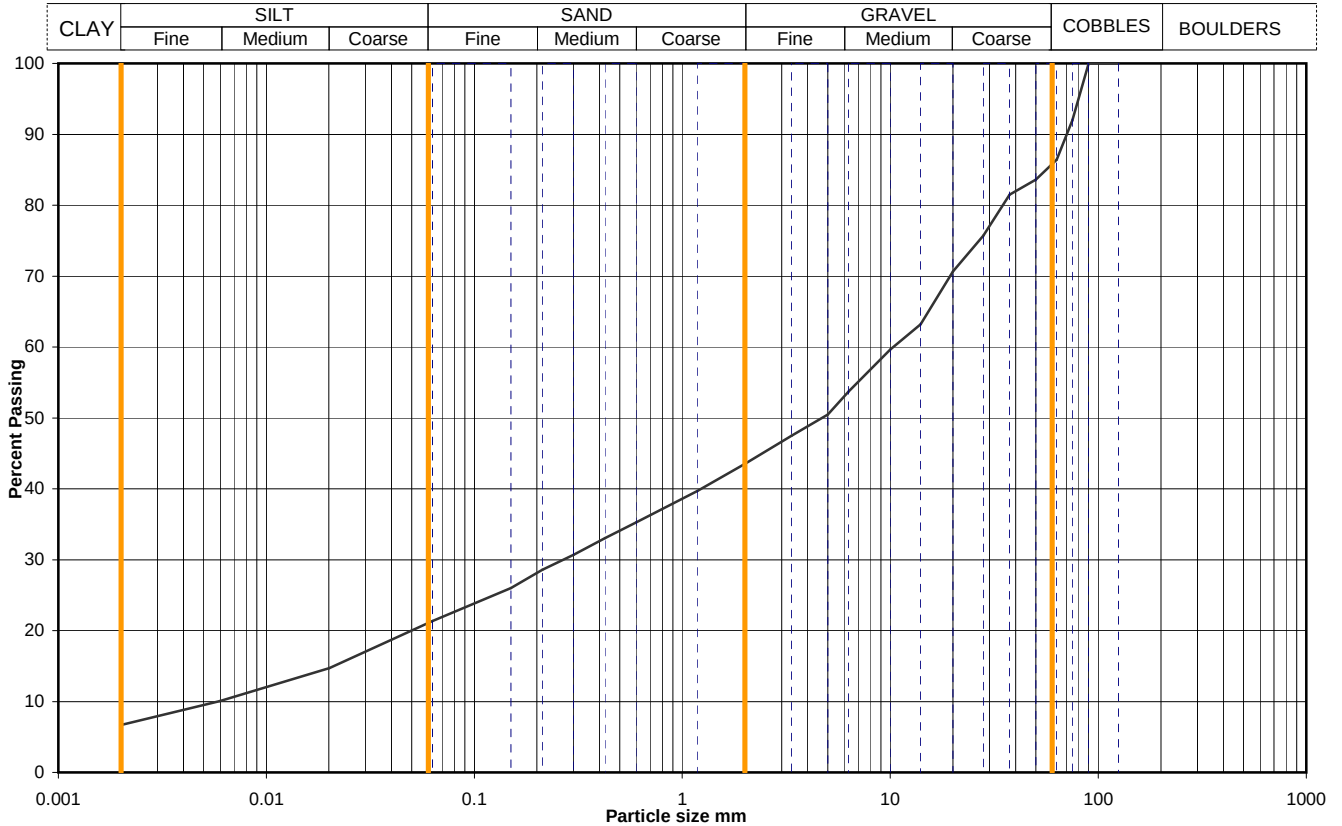


Printed: 12/02/2014 16:05

Figure
PSD 15

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		TP4	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		0.30	
			Samp No	1	Type	B
			ID	ESGA3188-13201401060000000063		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0201	15
90	100	0.0060	10
75	92	0.0020	7
63	86		
50	84		
37.5	81		
28	76		
20	71		
14	63		
10	60		
6.3	54		
5.0	50		
3.35	47		
2.00	44		
1.18	40		
0.600	35	Particle density, Mg/m3	
0.425	33	2.65 assumed	
0.300	31	Dry mass of sample, kg	
0.212	29	11.6	
0.150	26		
0.063	21		

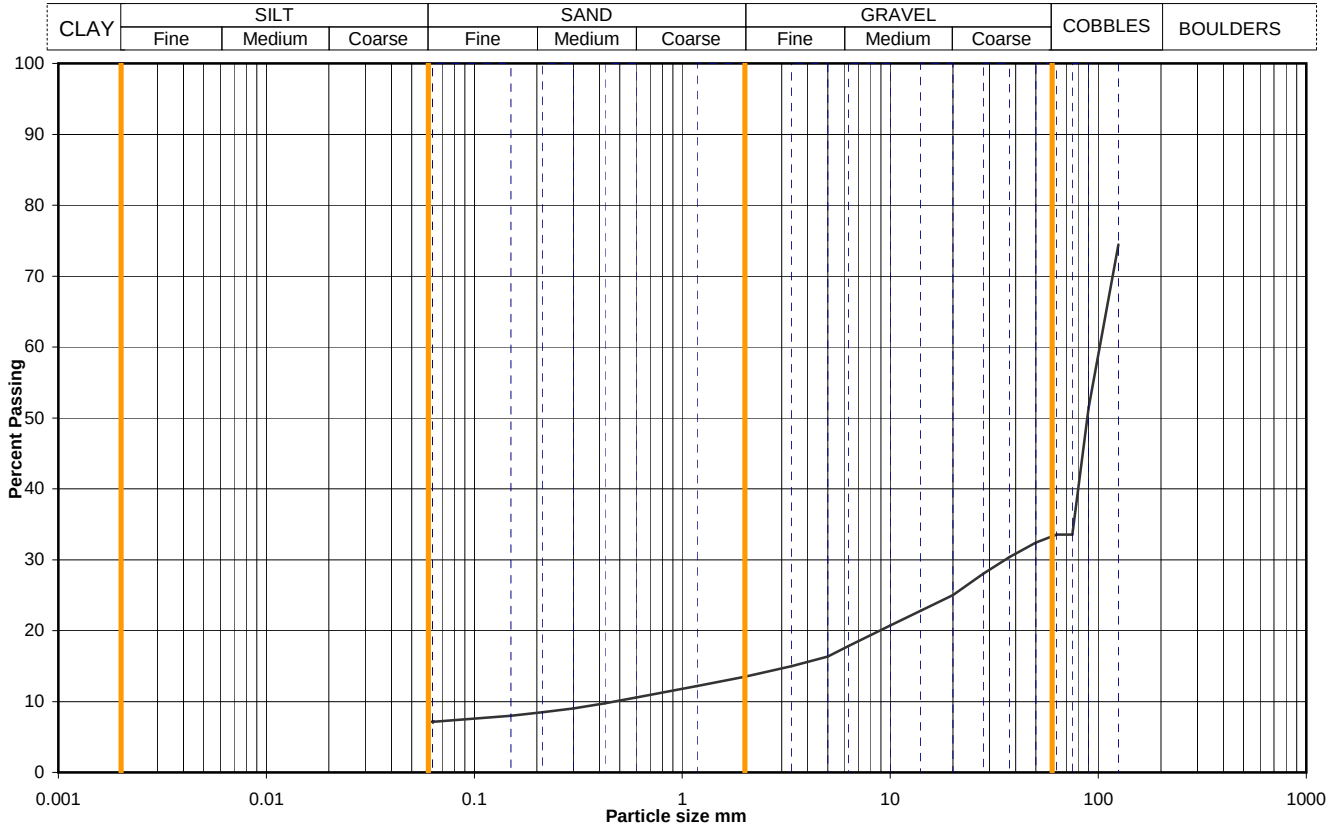
Soil description	Dark greyish brown very sandy clayey GRAVEL with two cobbles.		
Preparation / Pretreatment	Sieve: natural material Pipette: as BS1377		
Remarks			
Sample Proportions *<60mm values to aid description only	Cobbles / boulders Gravel Sand Silt Clay	Whole	*<60mm
		14	0
		42	49
		22	26
		15	17
		7	8

Uniformity Coefficient	D_{60} / D_{10}	1752
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	9.4 pipette

Particle Size Distribution Analysis

Project No	A3188-13	Sample Details:	Hole No		TP4	
Project Name	Neath Town Centre Regeneration		Depth (m BGL)		1.90	
			Samp No	6	Type	B
			ID	ESGA3188-13201401060000000068		
			Spec Ref			



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	74		
90	51		
75	34		
63	34		
50	32		
37.5	30		
28	28		
20	25		
14	23		
10	21		
6.3	18		
5.0	16		
3.35	15		
2.00	13		
1.18	12		
0.600	11		
0.425	10		
0.300	9		
0.212	8		
0.150	8		
0.063	7		

Soil description	Brownish grey sandy very gravelly clayey COBBLES.		
Preparation / Pretreatment	Sieve: natural material		
Remarks			
Sample Proportions * <60mm values to aid description only	Cobbles / boulders	Whole	* <60mm
	Gravel	67	0
	Sand	20	61
	Silt	6	18
	Clay	7	21

Uniformity Coefficient	D_{60} / D_{10}	216
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Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Sedimentation	none

CHEMICAL TESTS - SUMMARY OF RESULTS

Project No	Project Name
A3188-13	Neath Town Centre Regeneration

Hole No.	Sample			Soil Description	Org	LOI	pH	Sulphate as SO ₄			SD1 options		CO ₂	Chloride, Cl		<2 mm	Remarks		
	No.	Depth (m)						type	Preparation/test *	2:1 water sol.	ground water	acid sol.		TS	Mg NO ₃ NH ₄ mg/L			water sol.	acid sol.
		from	to																
		%	%																
P101	10	2.10		D	Dark greyish brown organic slightly gravelly CLAY.	3.0										56			

BS 1377 : definitive method unless stated :	* Sulphate tests preparation / test methods :	BRE Special Digest SD1, dependent options :
Org Organic matter content (s-sulphides, c-chlorides identified)	1. BS 1377:Part 3:1990:clause 5.3	4. TRL447 - 1 water soluble sulphate
LOI Mass loss on ignition at 440°C	2. BS 1377:Part 3:1990:clause 5.4	5. TRL447 - 2 acid soluble sulphate
CO ₂ Carbonate content (rapid titration)	3. BS 1377:Part 3:1990:clause 5.5	6. BR279 - groundwater sulphate
Cl Chloride content	< 2mm material passing 2mm sieve	
		TS Total Sulphur to BR279 / EN ISO15178
		Mg Soluble Magnesium to BR279, colorimetric
		NO ₃ Soluble Nitrate to BR279, colorimetric
		NH ₄ qualitative

QA Ref	ESG Environmental Scientifics Group	Printed:12/02/2014 16:04	Table CHEM 1
SLR 3 Rev 95 Aug 11			

ENCLOSURE F
GEOENVIRONMENTAL LABORATORY TEST RESULTS

ESG Test Reports

Report numbers EFS/140270 and EFS/140471M

TEST REPORT

SOIL SAMPLE ANALYSIS



Report No. EFS/140270 (Ver. 1)

ESG Bridgend
Crosby Yard
Wildmill
Bridgend

Site: Neath Town Centre Regeneration

The 16 samples described in this report were registered for analysis by ESG on 15-Jan-2014. This report supersedes any versions previously issued by the laboratory.

The analysis was completed by: 27-Jan-2014

Tests where the accreditation is set to N or No, and any individual data items marked with a * are not UKAS accredited
Any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by ESG.

The following tables are contained in this report:

Table 1 Main Analysis Results (Page 2)
Analytical and Deviating Sample Overview (Pages 3 to 4)
Table of Method Descriptions (Page 5)
Table of Report Notes (Page 6)

On behalf of
ESG :
Declan Burns

A handwritten signature in black ink, appearing to read 'D. Burns'.

Operations Director
Laboratory and Analytical Business

Date of Issue: 27-Jan-2014

Tests marked '^' have been subcontracted to another laboratory.

ESG accepts no responsibility for any sampling not carried out by our personnel.

Where individual results are flagged see report notes for status.

Units : Method Codes : Method Reporting Limits : UKAS Accredited :		mg/kg	mg/l	pH Units	%													
		ICPACIDS	ICPWSS	PHSOIL	TSBRE1													
		20	10		0.005													
		Yes	Yes	Yes	No													
LAB ID Number CL/	Client Sample Description	SO4-- (acid sol)	SO4-- (H2O sol) mg/l	pH units (AR)	Total Sulphur.													
		1401104	P101 B 1 0.40	1720	495	7.9	0.210											
		1401108	P101 B 24 12.00	135	29	6.0	0.021											
		1401105	P101 B 9 2.10	1050	273	7.2	0.290											
		1401106	P101 B 13 2.50	681	193	6.9	0.242											
		1401107	P101 B 18 7.50	156	41	6.8	0.018											
		1401109	P103 B 3 0.40	1070	369	8.9	0.048											
		1401110	P103 B 5 2.20	292	111	7.6	0.024											
		1401111	P104A B 3 0.60	599	94	8.2	0.045											
		1401112	P105 B 5 0.70	711	227	10.0	0.044											
		1401113	P106 B 1 0.50	585	209	9.0	0.032											
		1401114	P106 B 6 3.00	273	86	8.0	0.024											
		1401099	TP1 B 4 0.90	8970	498	11.5	0.404											
		1401100	TP2 B 1 0.10	5070	54	12.0	0.237											
		1401101	TP3 B 1 0.20	2170	561	10.8	0.101											
		1401102	TP3 B 6 1.80	347	121	8.7	0.027											
		1401103	TP4 B 3 0.90	10000	366	11.8	0.436											
 Bretby Business Park, Ashby Road Burton-on-Trent, Staffordshire, DE15 0YZ Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422		Client Name		ESG Bridgend							Soil Sample Analysis							
		Contact		Ms L Llewellyn							Date Printed		27-Jan-2014					
		Neath Town Centre Regeneration							Report Number		EFS/140270							
									Table Number		1							

SOIL Analysis

ESG Environmental Chemistry

Analytical and Deviating Sample Overview

S140270

Customer ESG Bridgend
 Site Neath Town Centre Regeneration
 Report No S140270

Consignment No S39094

Date Logged 15-Jan-2014

Report Due 27-Jan-2014

ID Number	Description	MethodID	Sampled	ClientServ	Dep. Opt	DO Mg if SO4(W)>3000	DO NO3 if pH<5.5	SO4-- (acid sol)	ICPACIDS	ICPBRE	ICPWSS	KONECL	KoneNO3	PHSOIL	TSBRE1
		Report B													
Accredited to ISO17025									✓		✓			✓	
CL/1401099	TP1 0.90	D							✓		✓				
CL/1401100	TP2 0.10	D													
CL/1401101	TP3 0.20	D													
CL/1401102	TP3 1.80	D													
CL/1401103	TP4 0.90	D													
CL/1401104	P101 0.40	D													
CL/1401105	P101 2.10	D													
CL/1401106	P101 2.50	D													
CL/1401107	P101 7.50	D													
CL/1401108	P101 12.00	D													
CL/1401109	P103 0.40-0.60	D													
CL/1401110	P103 2.20-2.60	D													
CL/1401111	P104A 0.60	D													
CL/1401112	P105 0.70-1.00	D													
CL/1401113	P106 0.50	D													
CL/1401114	P106 3.00-3.20	D													

Note: For analysis where the scheduled turnaround is greater than the holding time we will do our utmost to prioritise these samples. However, it is possible that samples could become deviant whilst being processed in the laboratory.

In this instance please contact the laboratory immediately should you wish to discuss how you would like us to proceed. If you do not respond within 24 hours, we will proceed as originally requested.

Deviating Sample Key

- A The sample was received in an inappropriate container for this analysis
- B The sample was received without the correct preservation for this analysis
- C Headspace present in the sample container
- D The sampling date was not supplied so holding time may be compromised - applicable to all analysis
- E Sample processing did not commence within the appropriate holding time

Requested Analysis Key

- Analysis Required
- Analysis dependant upon trigger result - **Note: due date may be affected if triggered**
- No analysis scheduled
- Analysis Subcontracted - **Note: due date may vary**

Where individual results are flagged see report notes for status.

Customer ESG Bridgend
 Site Neath Town Centre Regeneration
 Report No S140270

Consignment No S39094

Date Logged 15-Jan-2014

Report Due 27-Jan-2014

TSBRE1	Total Sulphur.		
PHSOIL	pH units (AR)	✓	
KoneNO3	Nitrate (2:1): mg/l		
KONECL	Chloride:(2:1)		
ICPWSS	SO4-- (H2O sol) mg/l	✓	
ICPBRE	Magnesium (BRE)		
ICPACIDS	SO4-- (acid sol)	✓	
Dep Opt	DO NO3 if pH<5.5		
	DO Mg if SO4(W)>3000		
	DO Cl if pH<5.5		
CustServ	Report B		
MethodID	Sampled		
ID Number	Description	Accredited to ISO17025	
		CL/1401114	P106 3.00-3.20

Note: For analysis where the scheduled turnaround is greater than the holding time we will do our utmost to prioritise these samples. However, it is possible that samples could become deviant whilst being processed in the laboratory.

In this instance please contact the laboratory immediately should you wish to discuss how you would like us to proceed. If you do not respond within 24 hours, we will proceed as originally requested.

Deviating Sample Key

- A The sample was received in an inappropriate container for this analysis
- B The sample was received without the correct preservation for this analysis
- C Headspace present in the sample container
- D The sampling date was not supplied so holding time may be compromised - applicable to all analysis
- E Sample processing did not commence within the appropriate holding time

Requested Analysis Key

- Analysis Required
- Analysis dependant upon trigger result - **Note: due date may be affected if triggered**
- No analysis scheduled
- Analysis Subcontracted - **Note: due date may vary**

Where individual results are flagged see report notes for status.

Method Descriptions

Matrix	MethodID	Analysis Basis	Method Description
Soil	ICPACIDS	Air Dried	Determination of Total Sulphate in soil samples by Hydrochloric Acid extraction followed by ICPOES detection
Soil	ICPWSS	Air Dried	Determination of Water Soluble Sulphate in soil samples by water extraction followed by ICPOES detection
Soil	PHSOIL	As Received	Determination of pH of 2.5:1 deionised water to soil extracts using pH probe.
Soil	TSBRE1	Air Dried	Determination of Total Carbon and/or Total Sulphur in solid samples by high temperature combustion/infrared detection

Where individual results are flagged see report notes for status.

Report Notes

Generic Notes

Soil/Solid Analysis

Unless stated otherwise,

- Results expressed as mg/kg have been calculated on the basis indicated in the Method Description table.
All results on MCERTS reports are reported on a 105°C dry weight basis with the exception of pH and conductivity.
- Sulphate analysis not conducted in accordance with BS1377
- Water Soluble Sulphate is on a 2:1 water:soil extract

Waters Analysis

Unless stated otherwise results are expressed as mg/l

Nil: Where "Nil" has been entered against Total Alkalinity or Total Acidity this indicates that a measurement was not required due to the inherent pH of the sample.

Oil analysis specific

Unless stated otherwise,

- Results are expressed as mg/kg
- SG is expressed as g/cm³@ 15°C

Gas (Tedlar bag) Analysis

Unless stated otherwise, results are expressed as ug/l

Asbestos Analysis

CH Denotes Chrysotile

CR Denotes Crocidolite

AM Denotes Amosite

NAIIS No Asbestos Identified in Sample

NADIS No Asbestos Detected In Sample

Symbol Reference

^ Sub-contracted analysis.

\$\$ Unable to analyse due to the nature of the sample

¶ Samples submitted for this analyte were not preserved on site in accordance with laboratory protocols.

This may have resulted in deterioration of the sample(s) during transit to the laboratory.

Consequently the reported data may not represent the concentration of the target analyte present in the sample at the time of sampling

¥ Results for guidance only due to possible interference

& Blank corrected result

I.S Insufficient sample to complete requested analysis

I.S(g) Insufficient sample to re-analyse, results for guidance only

Intf Unable to analyse due to interferences

N.D Not determined

N.Det Not detected

NS Information Not Supplied

Req Analysis requested, see attached sheets for results

▮ Raised detection limit due to nature of the sample

* All accreditation has been removed by the laboratory for this result

‡ MCERTS accreditation has been removed for this result

Note: The Laboratory may only claim that data is accredited when all of the requirements of our Quality System have been met. Where these requirements have not been met the laboratory may elect to include the data in its final report and remove the accreditation from individual data items if it believes that the validity of the data has not been affected. If further details are required of the circumstances which have led to the removal of accreditation then please do not hesitate to contact the laboratory.

END OF REPORT

Where individual results are flagged see report notes for status.

TEST REPORT

SOIL SAMPLE ANALYSIS



Report No. EFS/140471M (Ver. 1)

ESG Bridgend
Crosby Yard
Wildmill
Bridgend
CF31 1JZ

Site: Neath Town Centre Redevelopment

The 11 samples described in this report were registered for analysis by ESG on 22-Jan-2014. This report supersedes any versions previously issued by the laboratory.

The analysis was completed by: 03-Feb-2014

Tests where the accreditation is set to N or No, and any individual data items marked with a * are not UKAS or MCERTS accredited. Any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by ESG.

The following tables are contained in this report:

Table 1 Main Analysis Results (Pages 2 to 3)
Table of PAH (MS-SIM) (80) Results (Pages 4 to 6)
Table of TPH Texas banding (std) (Page 7)
GC-FID Chromatograms (Pages 8 to 10)
Table of Asbestos Screening Results (Page 11)
Analytical and Deviating Sample Overview (Page 12)
Table of Method Descriptions (Page 13)
Table of Report Notes (Page 14)
Table of Sample Descriptions (Appendix A Page 1 of 1)

On behalf of
ESG :
Declan Burns

Operations Director
Laboratory and Analytical Business

Date of Issue: 03-Feb-2014

Accreditation Codes: **N** (Not Accredited), **U** (UKAS), **UM** (UKAS & MCERTS)

Tests marked '*' have been subcontracted to another laboratory.

(NVM) - denotes the sample matrix is dissimilar to matrices upon which the MCERTS validation was based, and is therefore not accredited for MCERTS.

All results are reported on a dry weight basis at 105°C unless otherwise stated. (except QC samples)
ESG accepts no responsibility for any sampling not carried out by our personnel.

[illegible]

[illegible]

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	ESG Bridgend: Neath Town Centre Redevelopment		
Sample Details:	P104A ES 4 0.4	Job Number:	S14_0471M
LIMS ID Number:	CL1401950	Date Booked in:	22-Jan-14
QC Batch Number:	140072	Date Extracted:	29-Jan-14
Quantitation File:	Initial Calibration	Date Analysed:	30-Jan-14
Directory:	2914PAH.GC5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.53	0.21	97	UM
Acenaphthylene	208-96-8	4.60	0.30	97	U
Acenaphthene	83-32-9	4.73	0.18	92	UM
Fluorene	86-73-7	5.14	0.14	92	UM
Phenanthrene	85-01-8	6.05	1.55	98	UM
Anthracene	120-12-7	6.11	0.44	98	U
Fluoranthene	206-44-0	7.47	4.84	97	UM
Pyrene	129-00-0	7.77	3.92	99	UM
Benzo[a]anthracene	56-55-3	9.50	3.53	94	UM
Chrysene	218-01-9	9.56	4.13	98	UM
Benzo[b]fluoranthene	205-99-2	11.06	5.40	99	UM
Benzo[k]fluoranthene	207-08-9	11.10	1.82	95	UM
Benzo[a]pyrene	50-32-8	11.50	3.62	97	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.93	3.13	90	UM
Dibenzo[a,h]anthracene	53-70-3	12.96	0.85	96	UM
Benzo[g,h,i]perylene	191-24-2	13.29	2.88	97	UM
Total (USEPA16) PAHs	-	-	36.88	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	99
Acenaphthene-d10	99
Phenanthrene-d10	98
Chrysene-d12	108
Perylene-d12	115

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	96
Terphenyl-d14	72

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	ESG Bridgend: Neath Town Centre Redevelopment		
Sample Details:	P105 ES 2 0.5 (NVM)	Job Number:	S14_0471M
LIMS ID Number:	CL1401951	Date Booked in:	22-Jan-14
QC Batch Number:	140072	Date Extracted:	29-Jan-14
Quantitation File:	Initial Calibration	Date Analysed:	30-Jan-14
Directory:	2914PAH.GC5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.10	-	U
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	4.73	0.37	100	U
Fluorene	86-73-7	5.14	0.38	94	U
Phenanthrene	85-01-8	6.05	2.78	100	U
Anthracene	120-12-7	6.11	0.78	98	U
Fluoranthene	206-44-0	7.47	5.62	98	U
Pyrene	129-00-0	7.77	4.50	99	U
Benzo[a]anthracene	56-55-3	9.50	2.71	95	U
Chrysene	218-01-9	9.56	2.68	97	U
Benzo[b]fluoranthene	205-99-2	11.06	3.00	99	U
Benzo[k]fluoranthene	207-08-9	11.10	1.12	95	U
Benzo[a]pyrene	50-32-8	11.50	2.22	98	U
Indeno[1,2,3-cd]pyrene	193-39-5	12.93	1.51	94	U
Dibenzo[a,h]anthracene	53-70-3	12.96	0.37	84	U
Benzo[g,h,i]perylene	191-24-2	13.29	1.38	96	U
Total (USEPA16) PAHs	-	-	< 29.60	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	96
Acenaphthene-d10	95
Phenanthrene-d10	97
Chrysene-d12	106
Perylene-d12	114

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	98
Terphenyl-d14	73

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	ESG Bridgend: Neath Town Centre Redevelopment		
Sample Details:	TP4 ES 1 0.60	Job Number:	S14_0471M
LIMS ID Number:	CL1401954	Date Booked in:	22-Jan-14
QC Batch Number:	140072	Date Extracted:	29-Jan-14
Quantitation File:	Initial Calibration	Date Analysed:	30-Jan-14
Directory:	2914PAH.GC5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.10	-	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	4.73	0.16	99	UM
Fluorene	86-73-7	5.14	0.23	93	UM
Phenanthrene	85-01-8	6.05	1.24	99	UM
Anthracene	120-12-7	6.11	0.40	98	U
Fluoranthene	206-44-0	7.47	2.82	98	UM
Pyrene	129-00-0	7.77	2.10	98	UM
Benzo[a]anthracene	56-55-3	9.50	1.84	97	UM
Chrysene	218-01-9	9.56	2.10	98	UM
Benzo[b]fluoranthene	205-99-2	11.06	2.40	99	UM
Benzo[k]fluoranthene	207-08-9	11.10	0.80	97	UM
Benzo[a]pyrene	50-32-8	11.50	1.61	97	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.93	1.17	93	UM
Dibenzo[a,h]anthracene	53-70-3	12.96	0.35	86	UM
Benzo[g,h,i]perylene	191-24-2	13.29	1.06	95	UM
Total (USEPA16) PAHs	-	-	< 18.40	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	97
Acenaphthene-d10	96
Phenanthrene-d10	98
Chrysene-d12	108
Perylene-d12	116

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	96
Terphenyl-d14	73

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

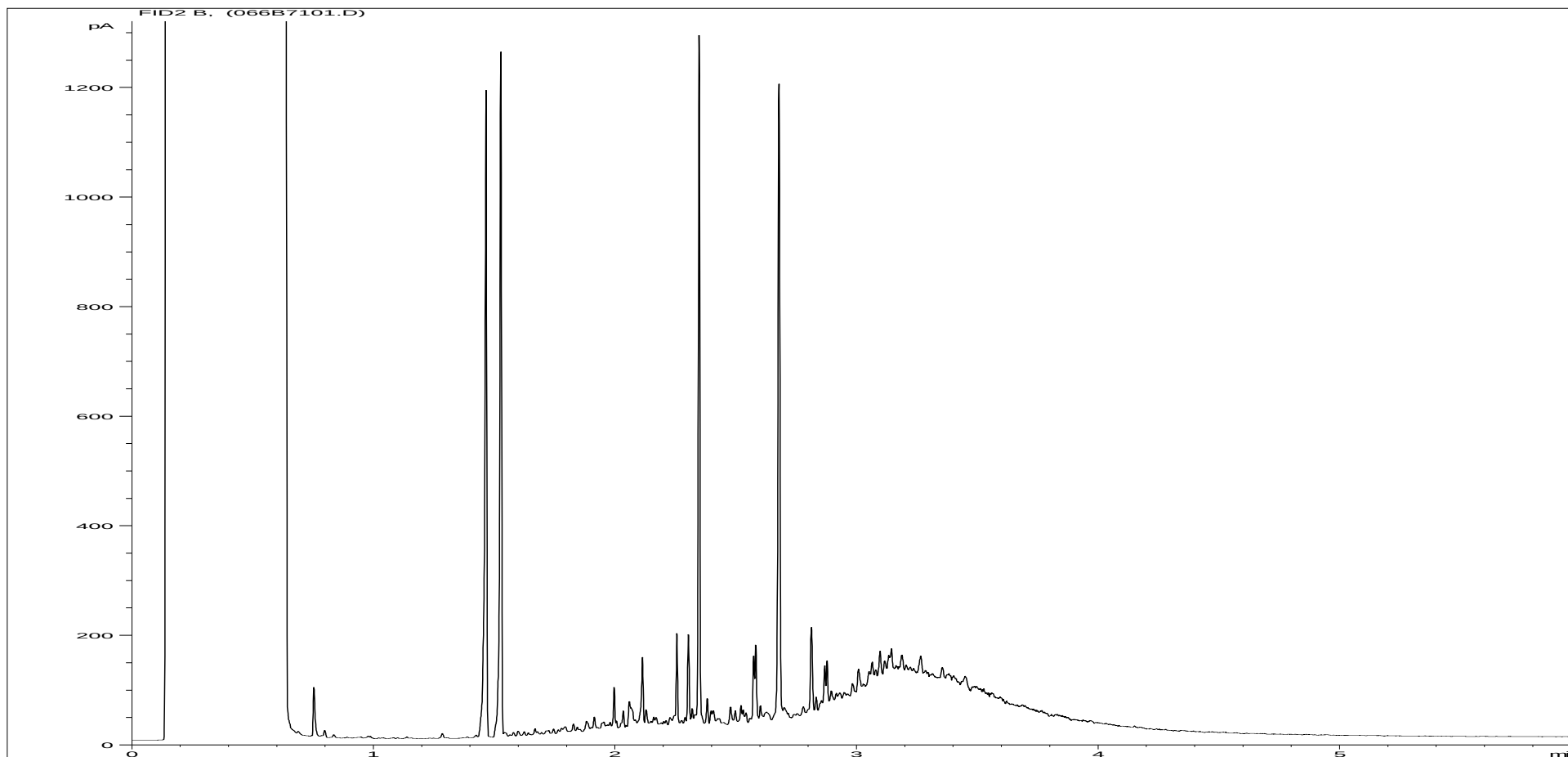
Total Petroleum Hydrocarbons (TPH) Carbon Ranges

Customer and Site Details: ESG Bridgend : Neath Town Centre Redevelopment
Job Number: S14_0471M
QC Batch Number: 140072
Directory: D:\TES\DATA\Y2014\0130TPH_GC4\013014 2014-01-30 09-33-07\068B7301.D
Method: Ultra Sonic
Accreditation code: U

Matrix: Soil
Date Booked in: 22-Jan-14
Date Extracted: 29-Jan-14
Date Analysed: 31-Jan-14, 01:31:59

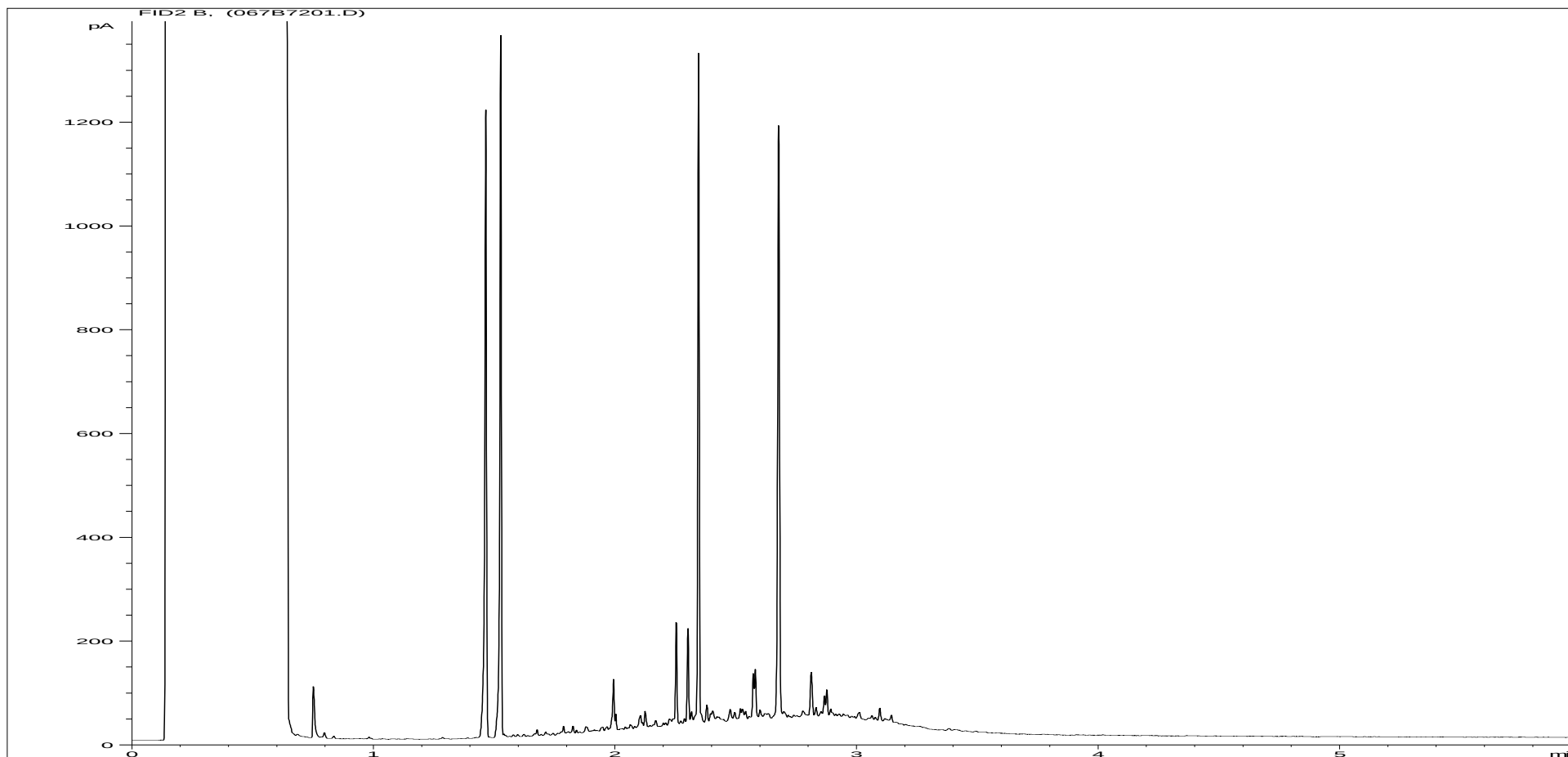
[illegible]

Petroleum Hydrocarbons (C8 to C40) by GC/FID



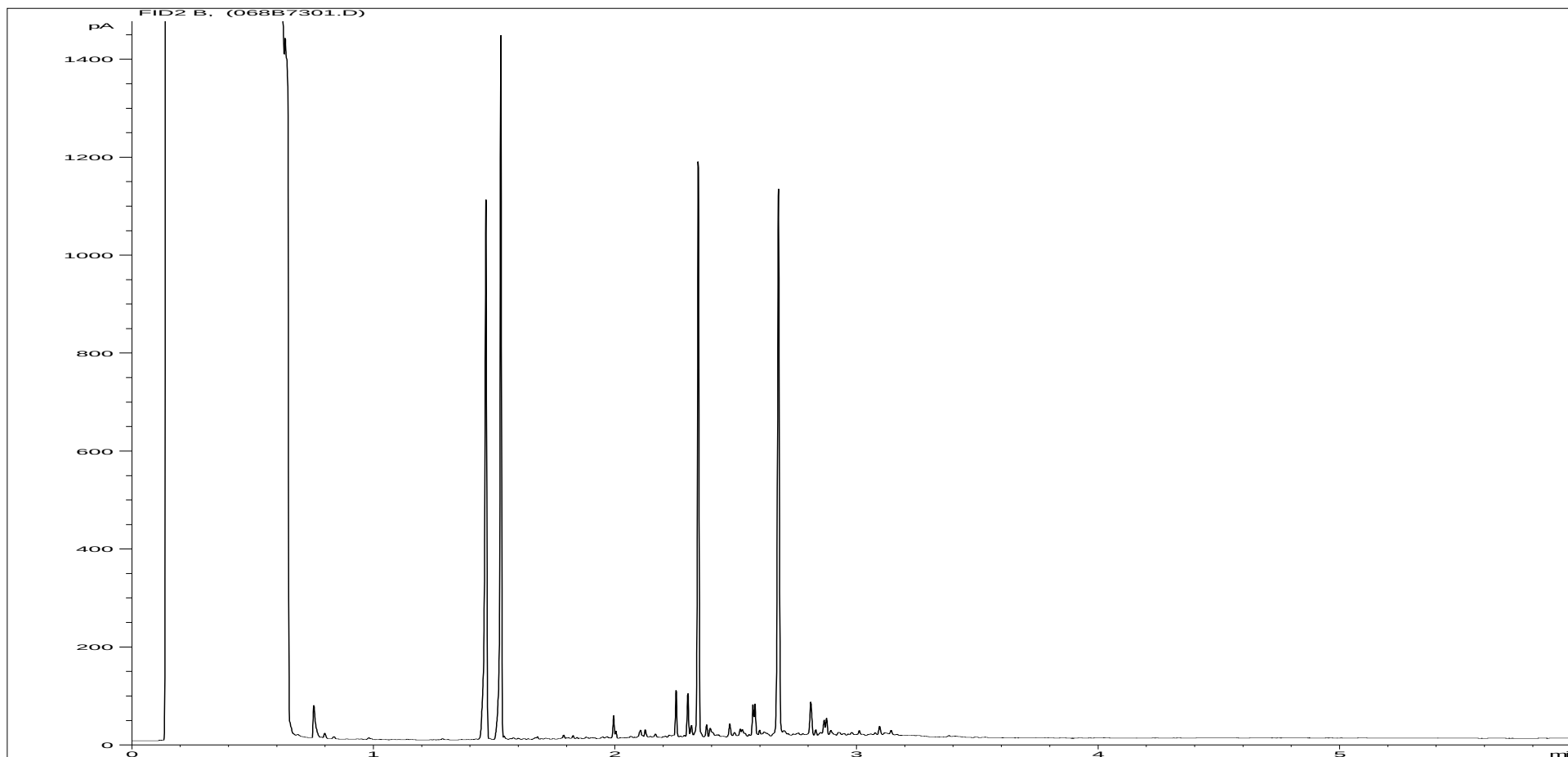
Sample ID:	CL1401950	Job Number:	S14_0471M
Multiplier:	8	Client:	ESG Bridgend
Dilution:	1	Site:	Neath Town Centre Redevelopment
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	P104A ES 4 0.4
Acquisition Date/Time:	31-Jan-14, 01:05:18		
Datafile:	D:\TES\DATA\Y2014\0130TPH_GC4\013014 2014-01-30 09-33-07\066B7101.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID



Sample ID:	CL1401951	Job Number:	S14_0471M
Multiplier:	8	Client:	ESG Bridgend
Dilution:	1	Site:	Neath Town Centre Redevelopment
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	P105 ES 2 0.5 (NVM)
Acquisition Date/Time:	31-Jan-14, 01:18:42		
Datafile:	D:\TES\DATA\Y2014\0130TPH_GC4\013014 2014-01-30 09-33-07\067B7201.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID



Sample ID:	CL1401954	Job Number:	S14_0471M
Multiplier:	8	Client:	ESG Bridgend
Dilution:	1	Site:	Neath Town Centre Redevelopment
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP4 ES 1 0.60
Acquisition Date/Time:	31-Jan-14, 01:31:59		
Datafile:	D:\TES\DATA\Y2014\0130TPH_GC4\013014 2014-01-30 09-33-07\068B7301.D		

S140471

Consignment No S39242
Date Logged 22-Jan-2014

Report Due 03-Feb-2014

Deviating Sample Key	
A	The sample was received in an inappropriate container for this analysis
B	The sample was received without the correct preservation for this analysis
C	Headspace present in the sample container
D	The sampling date was not supplied so holding time may be compromised - applicable to all analysis
E	Sample processing did not commence within the appropriate holding time
Requested Analysis Key	
	Analysis Required
	Analysis dependant upon trigger result - Note: due date may be affected if triggered
	No analysis scheduled
^	Analysis Subcontracted - Note: due date may vary

Method Descriptions

Matrix	MethodID	Analysis Basis	Method Description
Soil	FOCS	Air Dried	Calculation of Soil Organic Matter content from Organic Carbon content of soil samples
Soil	ICPMSS	Air Dried	Determination of Metals in soil samples by aqua regia digestion followed by ICPMS
Soil	ICPSOIL	Air Dried	Determination of Metals in soil samples by aqua regia digestion followed by ICPOES detection
Soil	KONECR	Air Dried	Determination of Chromium vi in soil samples by water extraction followed by colorimetric detection
Soil	PAHMSUS	As Received	Determination of Polycyclic Aromatic Hydrocarbons (PAH) by hexane/acetone extraction followed by GCMS detection
Soil	PHSOIL	As Received	Determination of pH of 2.5:1 deionised water to soil extracts using pH probe.
Soil	SFAPI	As Received	Segmented flow analysis with colorimetric detection
Soil	SubCon*	*	Contact Laboratory for details of the methodology used by the sub-contractor.
Soil	TMSS	As Received	Determination of the Total Moisture content at 105°C by loss on oven drying gravimetric analysis
Soil	TPHFIDUS	As Received	Determination of hexane/acetone extractable Hydrocarbons in soil with GCFID detection.
Soil	TSBRE1	Air Dried	Determination of Total Carbon and/or Total Sulphur in solid samples by high temperature combustion/infrared detection
Soil	WSLM59	Air Dried	Determination of Organic Carbon in soil using sulphurous Acid digestion followed by high temperature combustion and IR detection

Report Notes

Generic Notes

Soil/Solid Analysis

Unless stated otherwise,

- Results expressed as mg/kg have been calculated on the basis indicated in the Method Description table.
All results on MCERTS reports are reported on a 105°C dry weight basis with the exception of pH and conductivity.
- Sulphate analysis not conducted in accordance with BS1377
- Water Soluble Sulphate is on a 2:1 water:soil extract

Waters Analysis

Unless stated otherwise results are expressed as mg/l

Nil: Where "Nil" has been entered against Total Alkalinity or Total Acidity this indicates that a measurement was not required due to the inherent pH of the sample.

Oil analysis specific

Unless stated otherwise,

- Results are expressed as mg/kg
- SG is expressed as g/cm³@ 15°C

Gas (Tedlar bag) Analysis

Unless stated otherwise, results are expressed as ug/l

Asbestos Analysis

CH Denotes Chrysotile

CR Denotes Crocidolite

AM Denotes Amosite

NAIIS No Asbestos Identified in Sample

NADIS No Asbestos Detected In Sample

Symbol Reference

^ Sub-contracted analysis.

\$\$ Unable to analyse due to the nature of the sample

¶ Samples submitted for this analyte were not preserved on site in accordance with laboratory protocols.

This may have resulted in deterioration of the sample(s) during transit to the laboratory.

Consequently the reported data may not represent the concentration of the target analyte present in the sample at the time of sampling

¥ Results for guidance only due to possible interference

& Blank corrected result

I.S Insufficient sample to complete requested analysis

I.S(g) Insufficient sample to re-analyse, results for guidance only

Intf Unable to analyse due to interferences

N.D Not determined

N.Det Not detected

NS Information Not Supplied

Req Analysis requested, see attached sheets for results

▮ Raised detection limit due to nature of the sample

* All accreditation has been removed by the laboratory for this result

‡ MCERTS accreditation has been removed for this result

Note: The Laboratory may only claim that data is accredited when all of the requirements of our Quality System have been met. Where these requirements have not been met the laboratory may elect to include the data in its final report and remove the accreditation from individual data items if it believes that the validity of the data has not been affected. If further details are required of the circumstances which have led to the removal of accreditation then please do not hesitate to contact the laboratory.

Sample Descriptions

Client : ESG Bridgend
Site : Neath Town Centre Redevelopment
Report Number : S14_0471M

Note: major constituent in upper case

[illegible]

**ENCLOSURE G
PHOTOGRAPHS**

Trial Pit Photographs

Plates 1 to 10

DRAFT

Trial Pit Photographs



Plate 1: Trial Pit 1. Trial Pit sides.

Notes:	Project	Neath Town Centre Regeneration	Plates 1
	Project No.	A3188-13	
	Carried out for	Neath Port Talbot County Borough Council	

Trial Pit Photographs



Plate 2: Trial Pit 1. Trial Pit sides.



Plate 3: Trial Pit 1. Spoil.

Notes:	Project	Neath Town Centre Regeneration	Plates 2 and 3
	Project No.	A3188-13	
	Carried out for	Neath Port Talbot County Borough Council	

Trial Pit Photographs



Plate 4: Trial Pit 2. Trial Pit Sides.

Notes:	Project	Neath Town Centre Regeneration	Plates 4
	Project No.	A3188-13	
	Carried out for	Neath Port Talbot County Borough Council	

Trial Pit Photographs



Plate 5: Trial Pit 2. Spoil.

Notes:	Project	Neath Town Centre Regeneration	Plates
	Project No.	A3188-13	
	Carried out for	Neath Port Talbot County Borough Council	

Trial Pit Photographs



Plate 6: Trail Pit 3. Trial Pit Sides.

Notes:	Project	Neath Town Centre Regeneration	Plates 5
	Project No.	A3188-13	
	Carried out for	Neath Port Talbot County Borough Council	

Trial Pit Photographs



Plate 7: Trial Pit 3. Spoil.

Notes:	Project	Neath Town Centre Regeneration	Plates 6
	Project No.	A3188-13	
	Carried out for	Neath Port Talbot County Borough Council	

Trial Pit Photographs



Plate 8: Trial Pit 4. Trial Pit Sides.

Notes:	Project	Neath Town Centre Regeneration	Plates 7
	Project No.	A3188-13	
	Carried out for	Neath Port Talbot County Borough Council	

Trial Pit Photographs



Plate 9: Trial Pit 4. Spoil.

Notes:	Project	Neath Town Centre Regeneration	Plates 8
	Project No.	A3188-13	
	Carried out for	Neath Port Talbot County Borough Council	

Trial Pit Photographs



Plate 10: Trial Pit 5: Trial Pit sides.

Notes:	Project	Neath Town Centre Regeneration	Plates 9
	Project No.	A3188-13	
	Carried out for	Neath Port Talbot County Borough Council	

Trial Pit Photographs



Plate 11: Trial Pit 5. Spoil.

Notes:	Project	Neath Town Centre Regeneration	Plates 10
	Project No.	A3188-13	
	Carried out for	Neath Port Talbot County Borough Council	

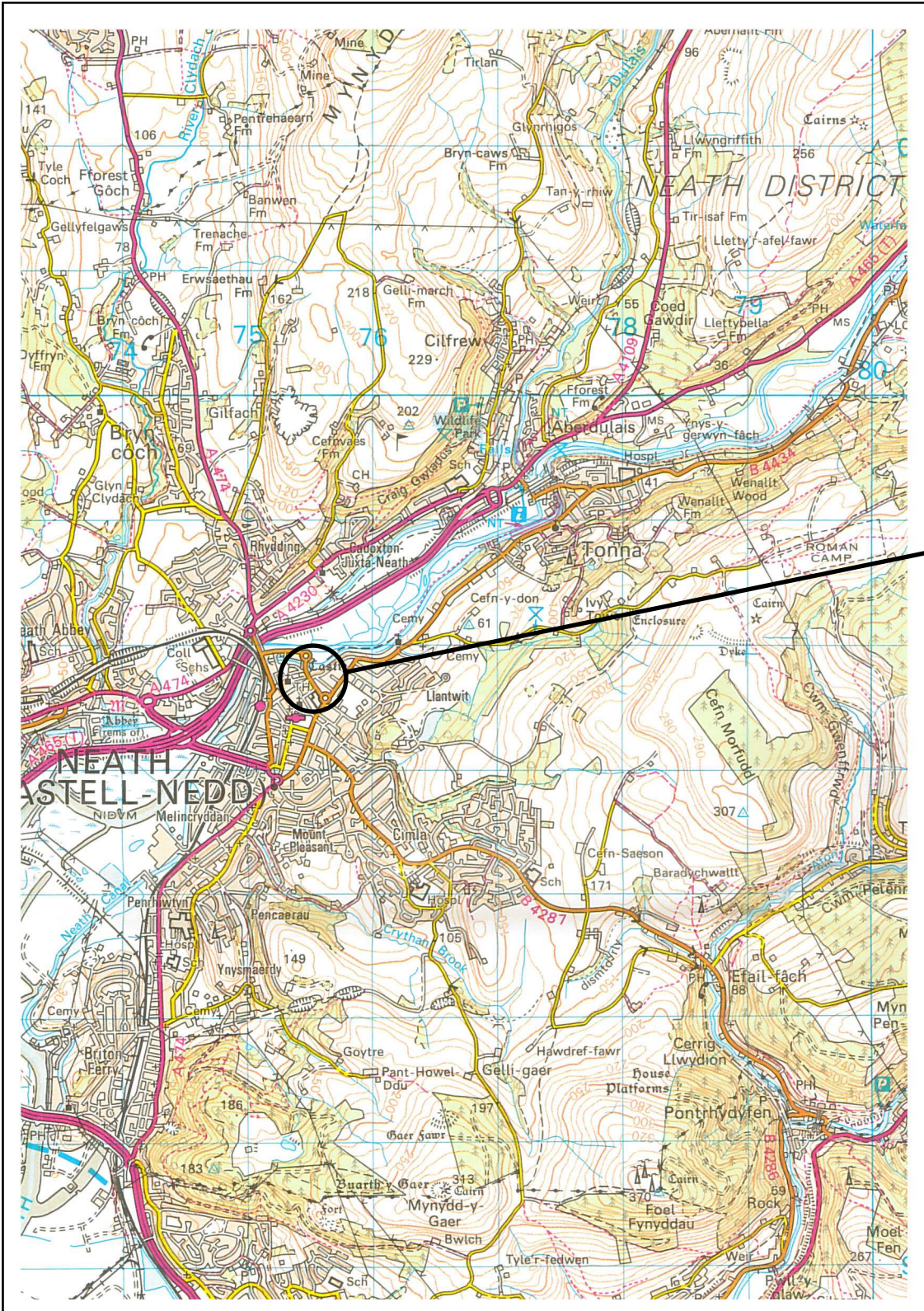
**ENCLOSURE H
DRAWINGS**

Site Location Plan
Site Plan

H1
H2

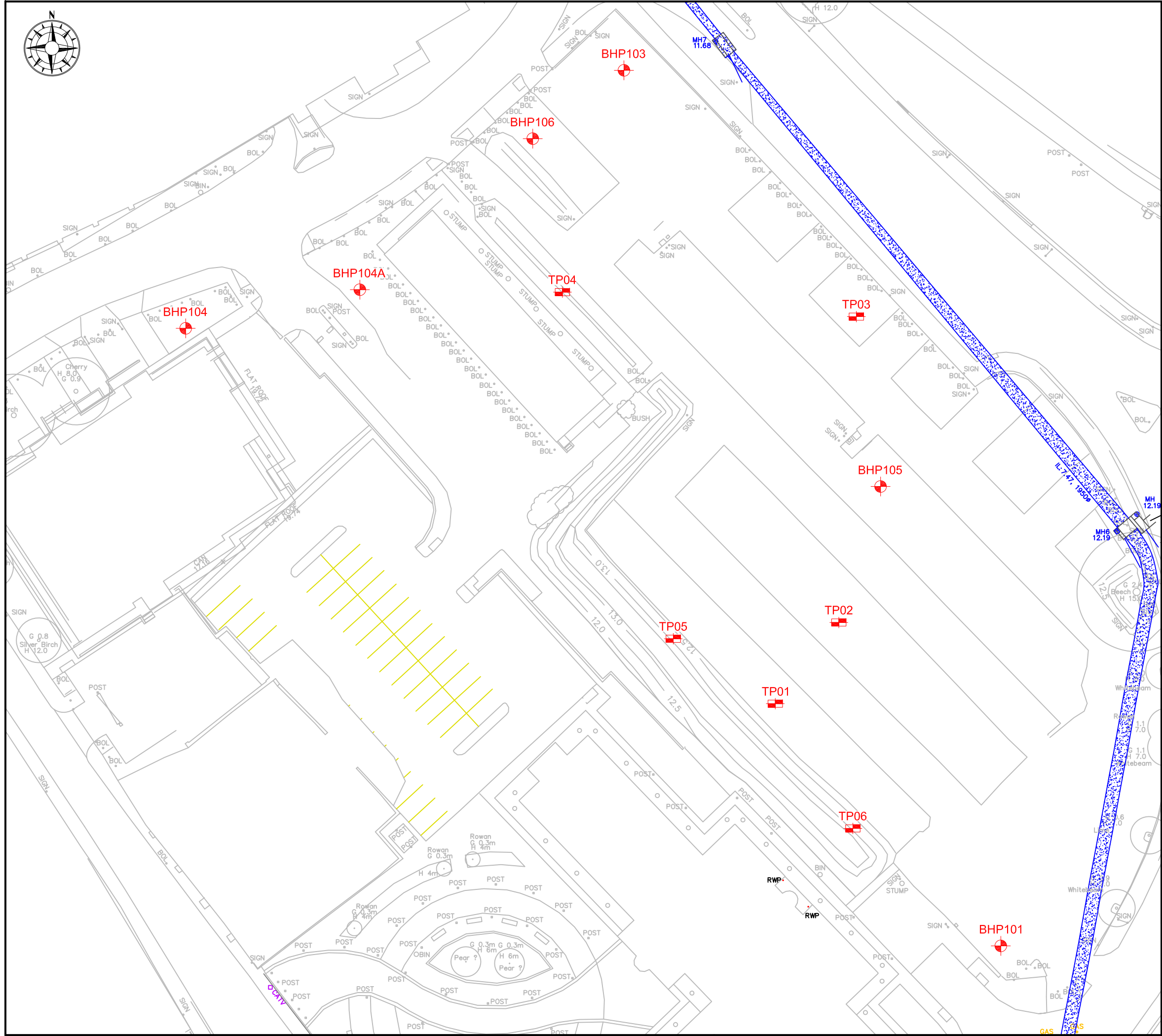
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Site Location Plan



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Notes: Scale 1:50 000	Project Neath Town Centre Redevelopment Project No. A3188-13 Carried out for Neath Port Talbot County Borough Council	Figure H1
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1. Reproduced from Neath Port Talbot County Borough Council's Drawing No. 12380-119_2DT (1).

 Borehole Location
 Trial Pit Location

AMENDMENTS

Title

SITE PLAN

Project

NEATH TOWN CENTRE
REDEVELOPMENT

Client

NEATH PORT TALBOT COUNTY
BOROUGH COUNCIL

Date	Drawn By	Apprv. By
05/02/2014	BS	LL
Sheet Size	Scale	Project No
A3	1:500	A3188-13
Drawing No	Rev	
H2	0	