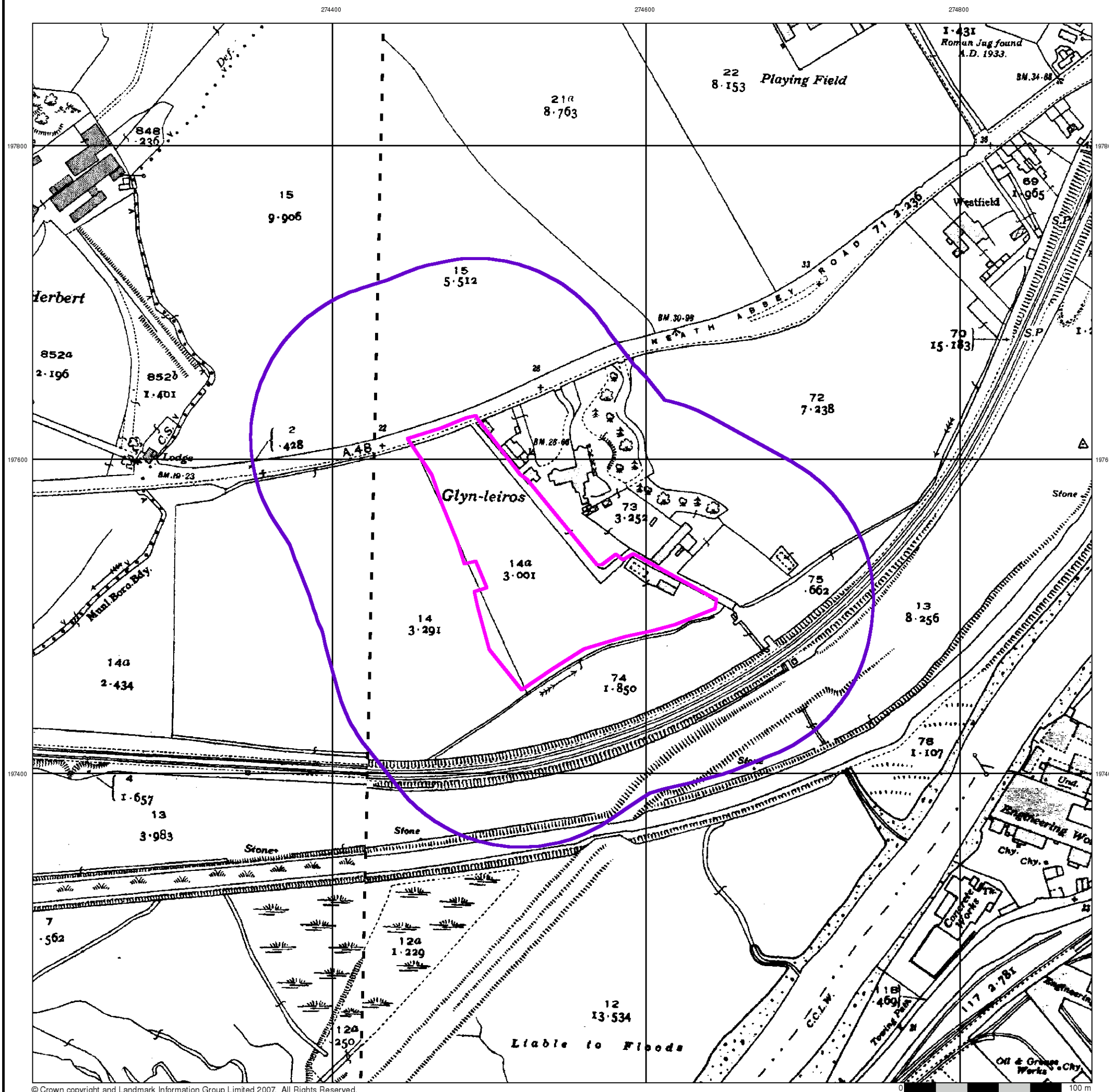
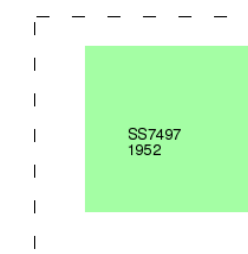
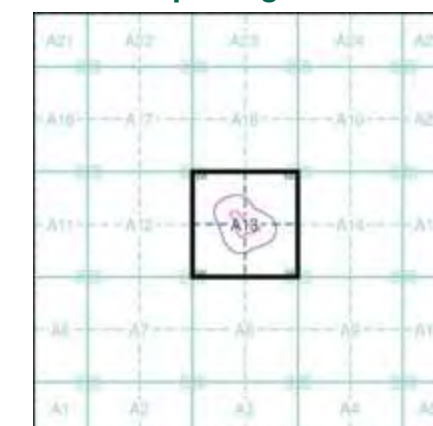




Ordnance Survey Plan**Published 1952****Source map scale - 1:2,500**

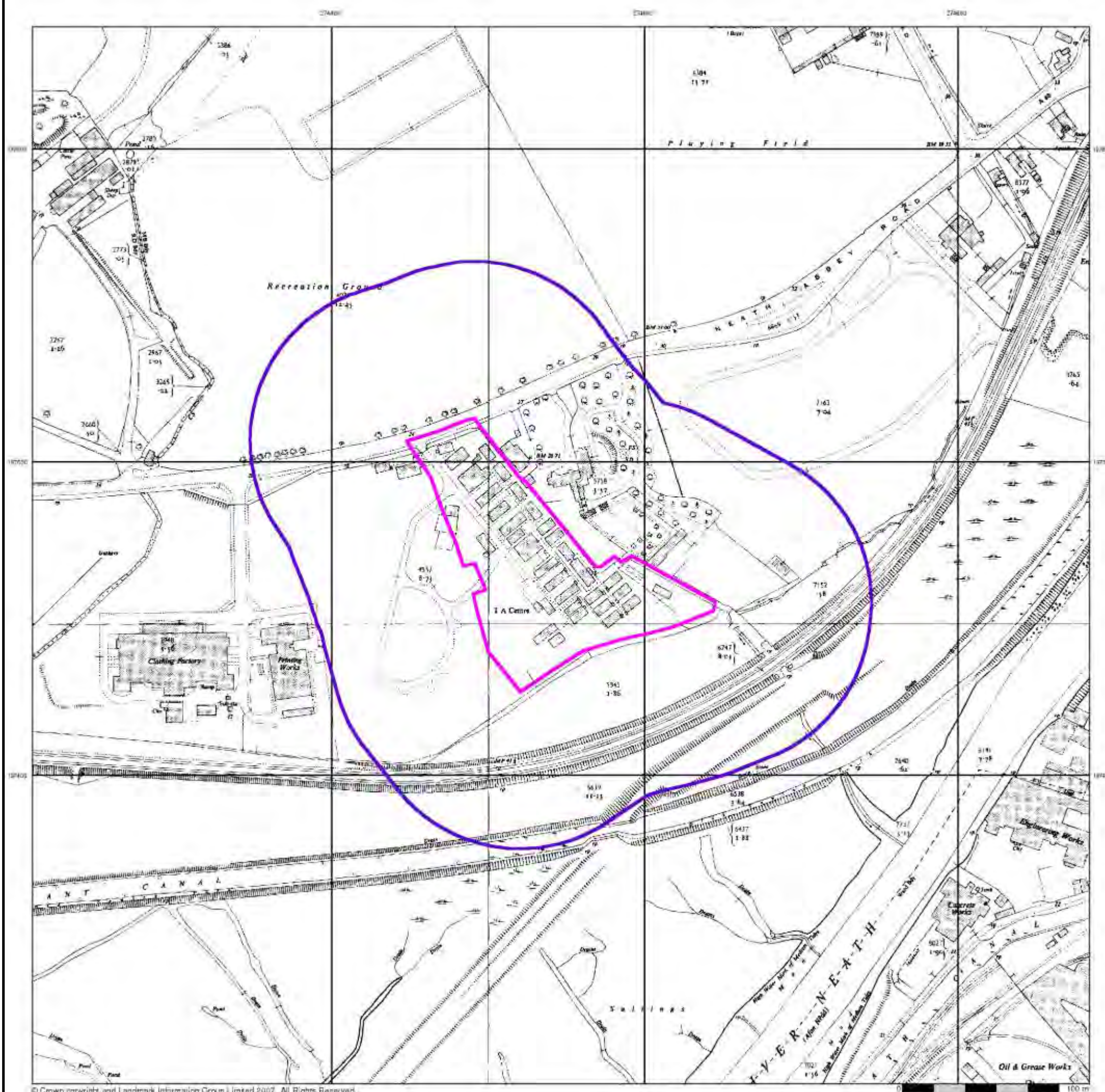
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)**Historical Map - Segment A13****Order Details**

Order Number: 22003934_1_1
 Customer Ref: 7899-0001
 National Grid Reference: 274540, 197540
 Slice: A
 Site Area (Ha): 1.33
 Search Buffer (m): 100

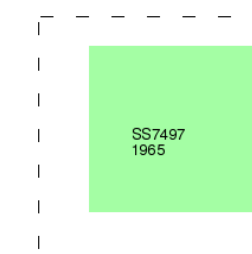
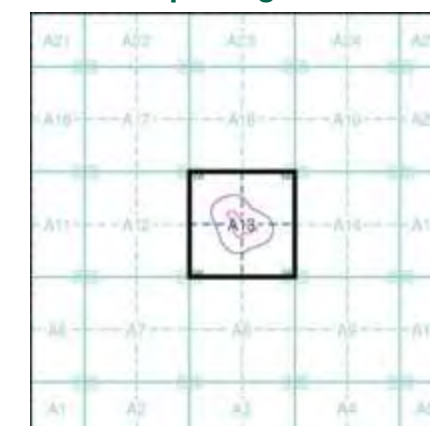
Site Details

ALDI, Neath Abbey Road, NEATH, West Glamorgan, SA10



Ordnance Survey Plan**Published 1965****Source map scale - 1:2,500**

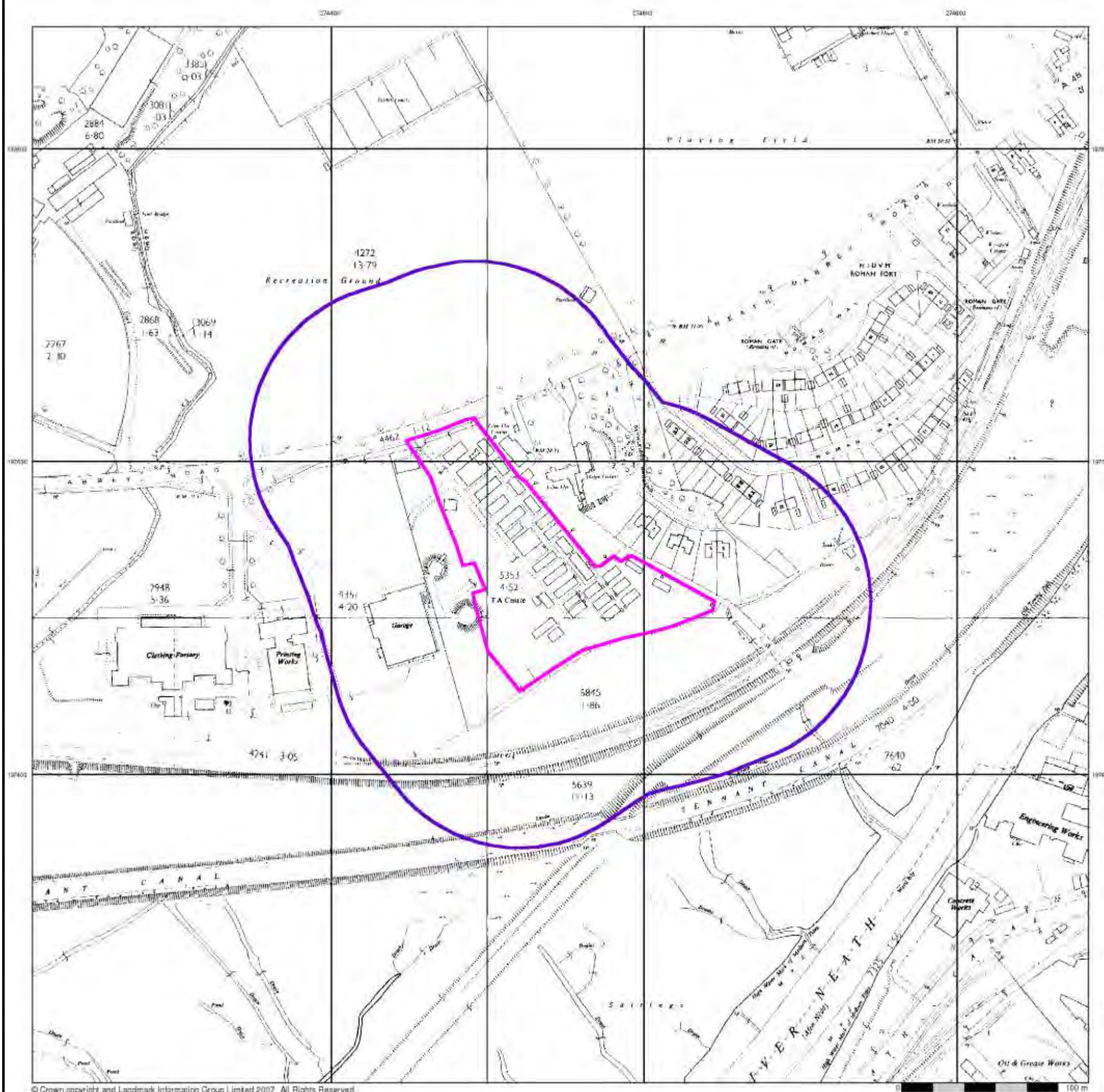
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)**Historical Map - Segment A13****Order Details**

Order Number: 22003934_1_1
 Customer Ref: 7899-0001
 National Grid Reference: 274540, 197540
 Slice: A
 Site Area (Ha): 1.33
 Search Buffer (m): 100

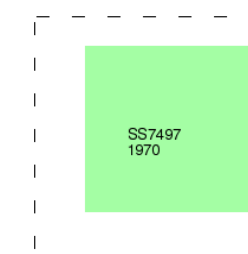
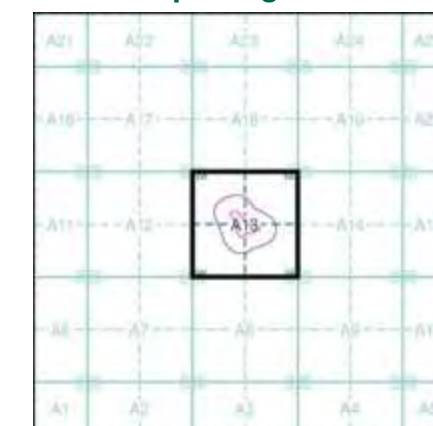
Site Details

ALDI, Neath Abbey Road, NEATH, West Glamorgan, SA10



Ordnance Survey Plan**Published 1970****Source map scale - 1:2,500**

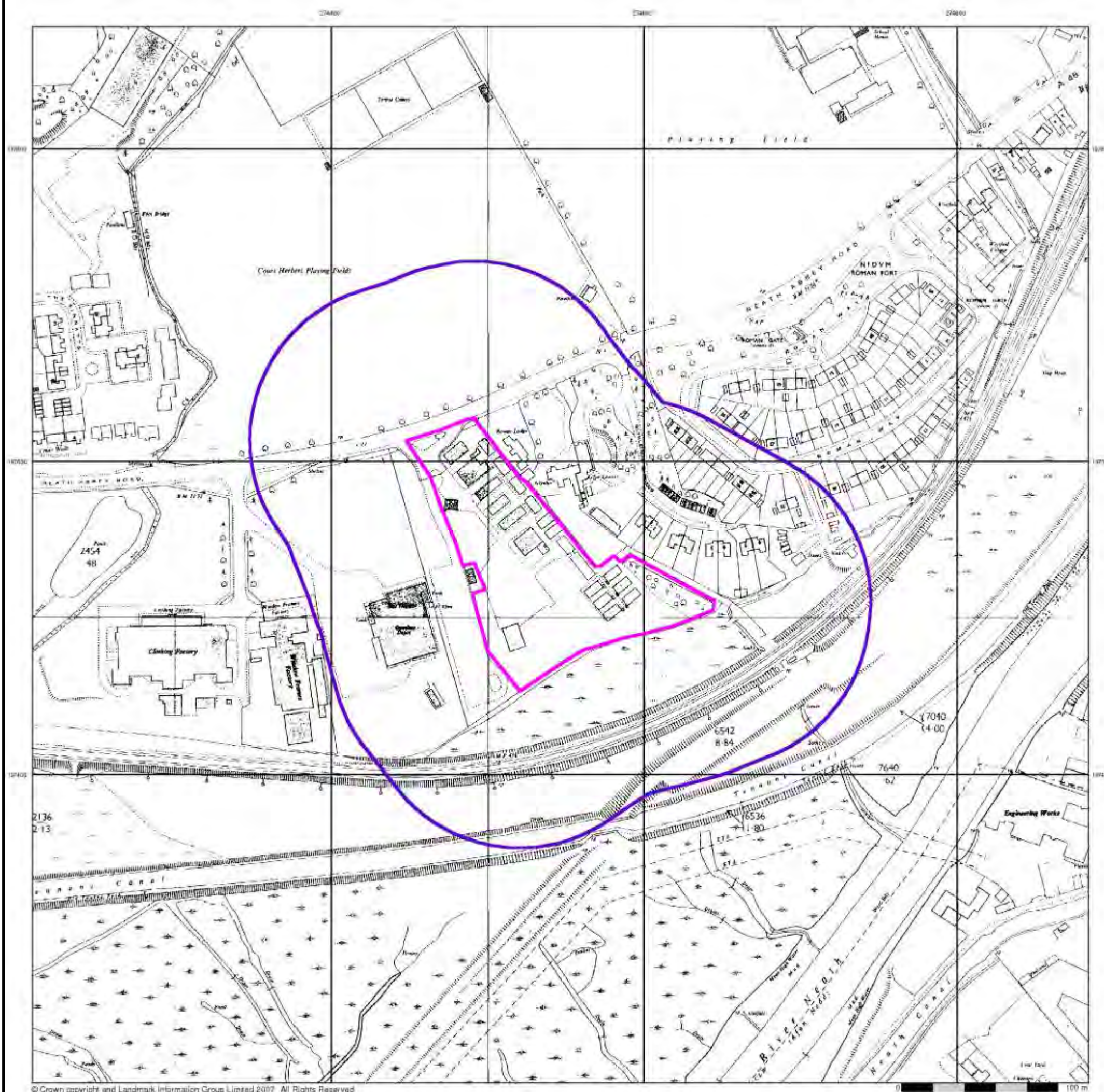
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)**Historical Map - Segment A13****Order Details**

Order Number: 22003934_1_1
 Customer Ref: 7899-0001
 National Grid Reference: 274540, 197540
 Slice: A
 Site Area (Ha): 1.33
 Search Buffer (m): 100

Site Details

ALDI, Neath Abbey Road, NEATH, West Glamorgan, SA10

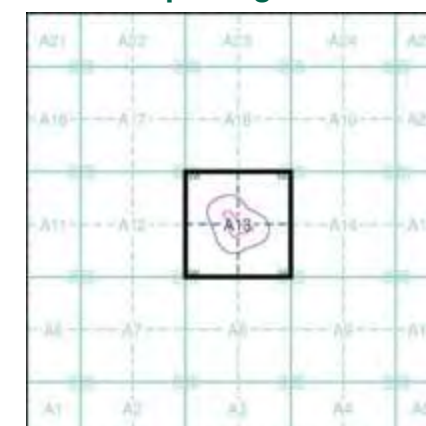


Ordnance Survey Plan**Published 1951****Source map scale - 1:1,250**

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)

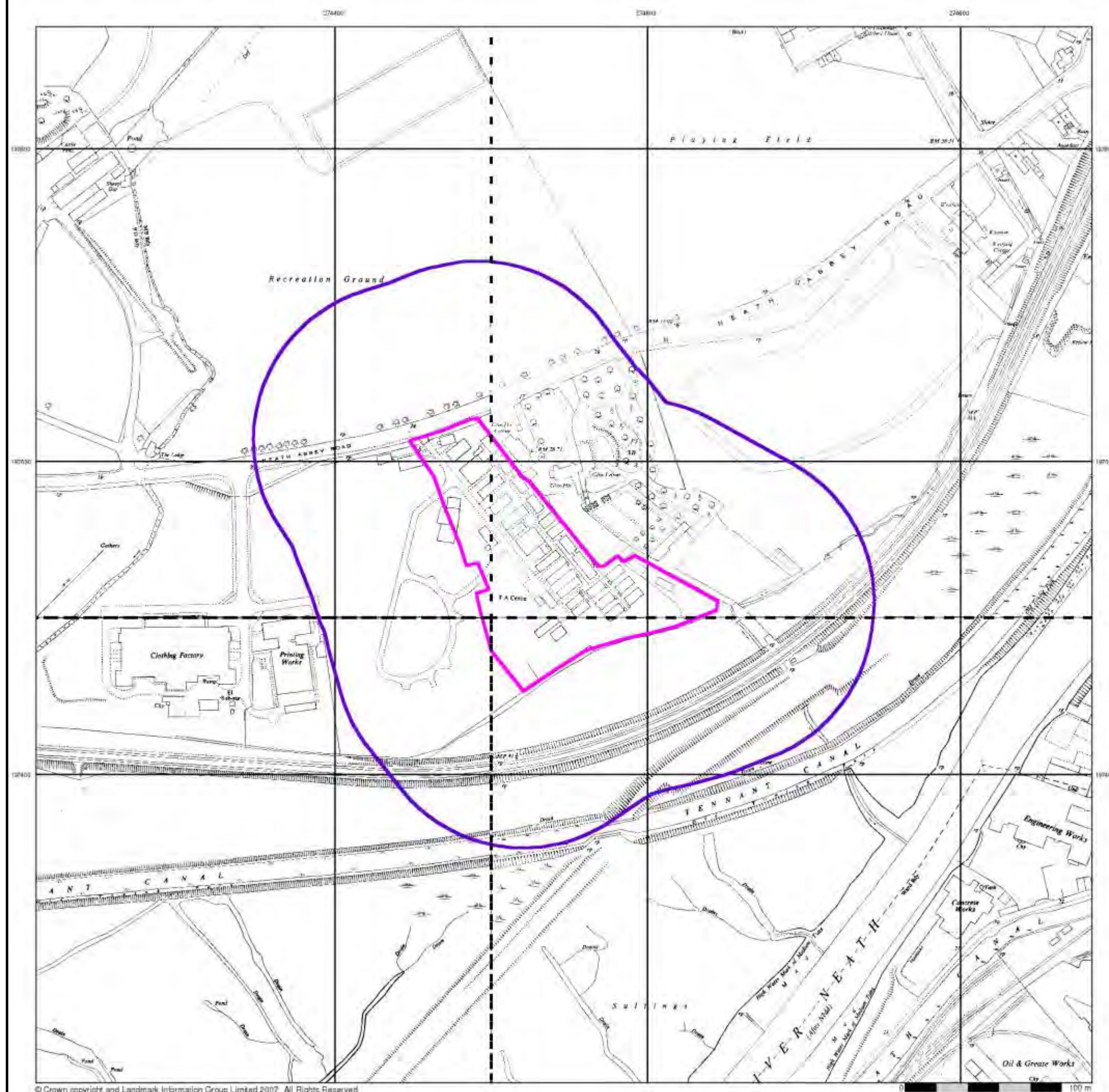
SS7497NW 1951	SS7497NE 1951
SS7497SW 1951	SS7497SE 1951

Historical Map - Segment A13**Order Details**

Order Number: 22003934_1_1
 Customer Ref: 7899-0001
 National Grid Reference: 274540, 197540
 Slice: A
 Site Area (Ha): 1.33
 Search Buffer (m): 100

Site Details

ALDI, Neath Abbey Road, NEATH, West Glamorgan, SA10

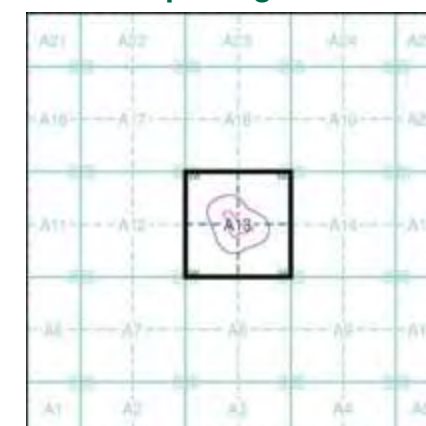


Ordnance Survey Plan**Published 1952 - 1965****Source map scale - 1:1,250**

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)

SS7497NW 1964	SS7497NE 1952
SS7497SW 1965	SS7497SE 1965

Historical Map - Segment A13**Order Details**

Order Number: 22003934_1_1
 Customer Ref: 7899-0001
 National Grid Reference: 274540, 197540
 Slice: A
 Site Area (Ha): 1.33
 Search Buffer (m): 100

Site Details

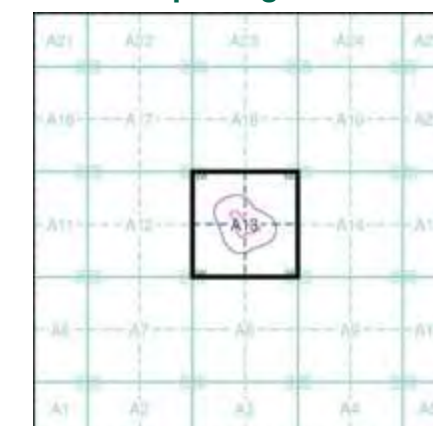
ALDI, Neath Abbey Road, NEATH, West Glamorgan, SA10

Ordnance Survey Plan**Published 1965 - 1978****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)

SS7497NW 1968	SS7497NE 1965
SS7497SW 1978	SS7497SE 1978

Historical Map - Segment A13**Order Details**

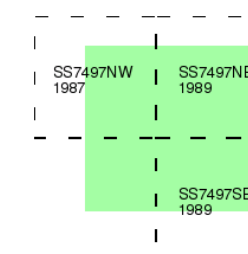
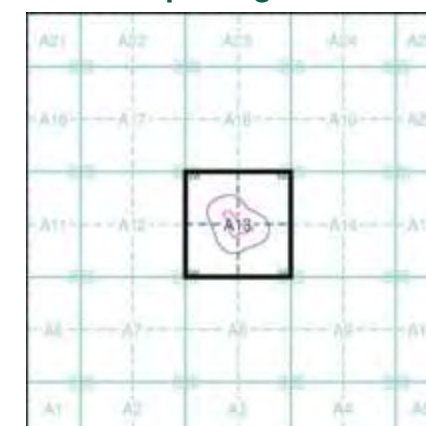
Order Number: 22003934_1_1
 Customer Ref: 7899-0001
 National Grid Reference: 274540, 197540
 Slice: A
 Site Area (Ha): 1.33
 Search Buffer (m): 100

Site Details

ALDI, Neath Abbey Road, NEATH, West Glamorgan, SA10

Additional SIMs**Published 1987 - 1989****Source map scale - 1:1,250**

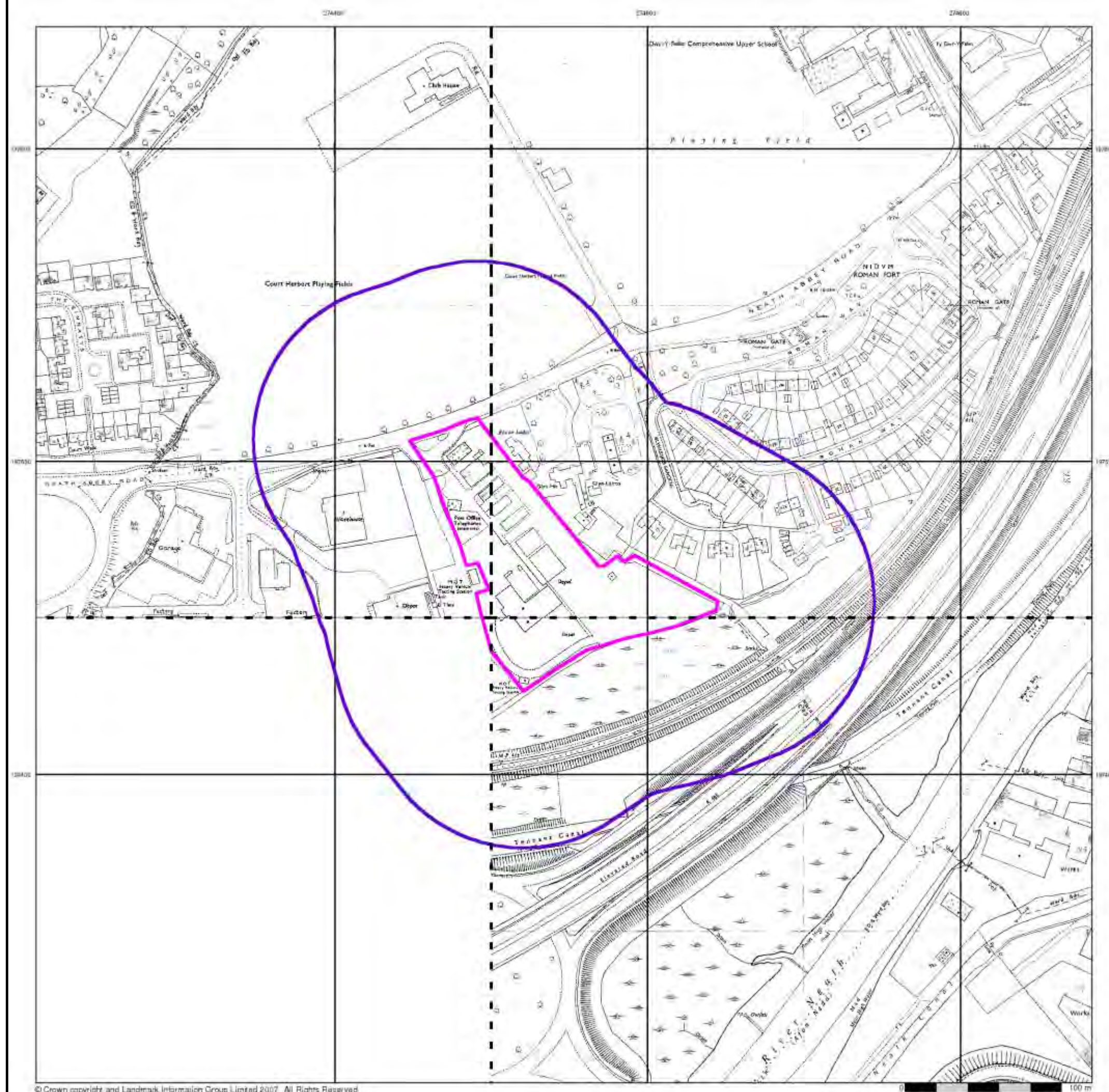
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)**Historical Map - Segment A13****Order Details**

Order Number: 22003934_1_1
 Customer Ref: 7899-0001
 National Grid Reference: 274540, 197540
 Slice: A
 Site Area (Ha): 1.33
 Search Buffer (m): 100

Site Details

ALDI, Neath Abbey Road, NEATH, West Glamorgan, SA10



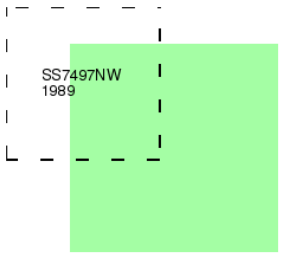
Additional SIMs

Published 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)



Historical Map - Segment A13



Order Details

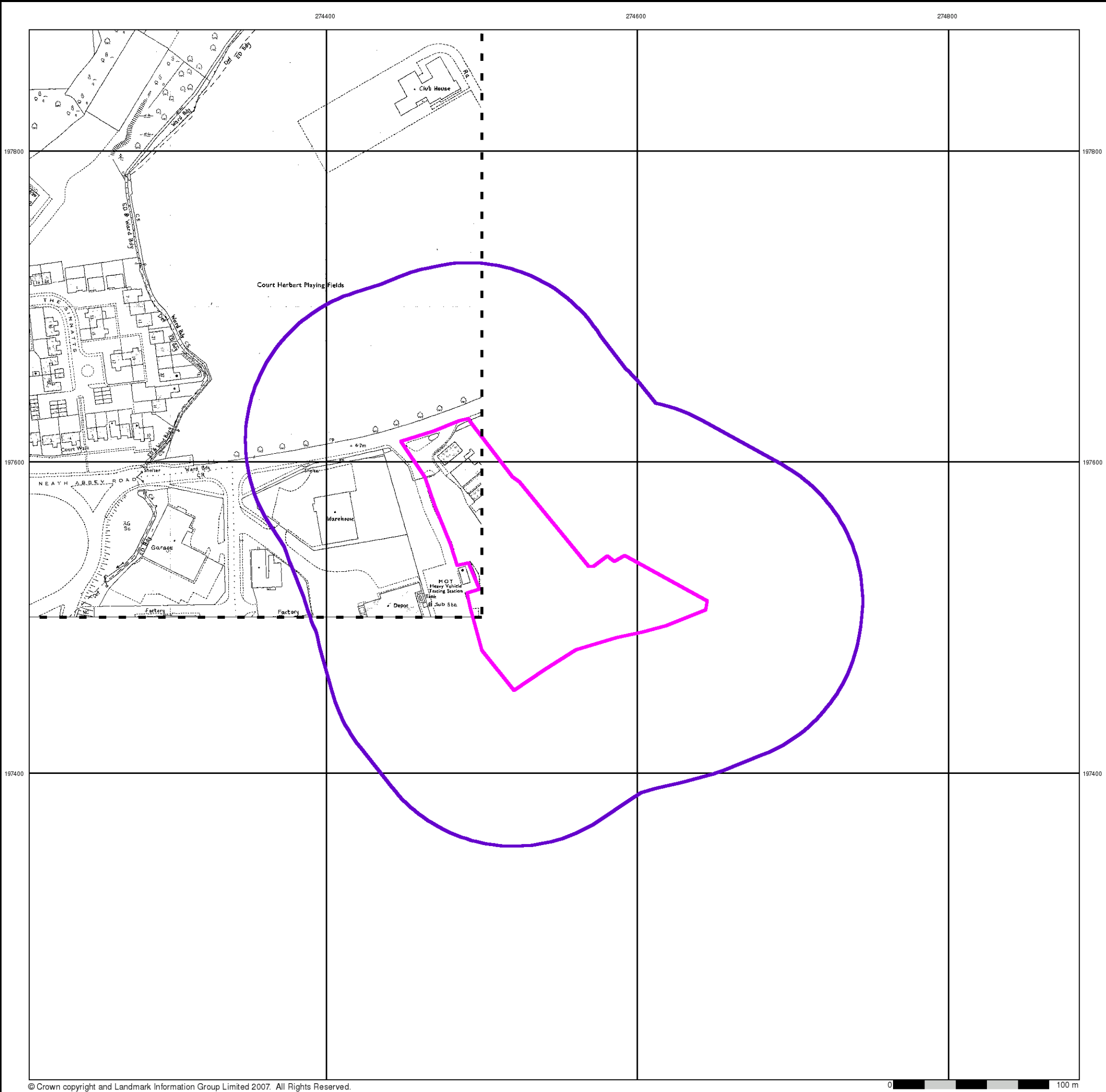
Order Number: 22003934_1_1
Customer Ref: 7899-0001
National Grid Reference: 274540, 197540
Slice: A
Site Area (Ha): 1.33
Search Buffer (m): 100

Site Details

ALDI, Neath Abbey Road, NEATH, West Glamorgan, SA10



Tel: 0870 850 6670
Fax: 0870 850 6671
Web: www.envirocheck.co.uk



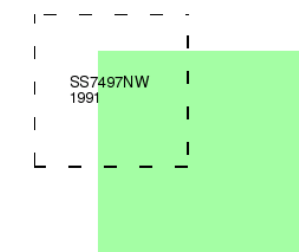
Additional SIMs

Published 1991

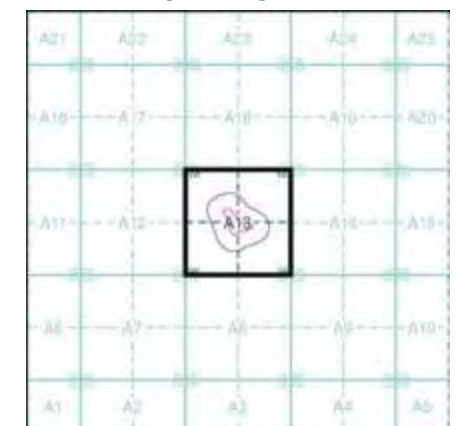
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

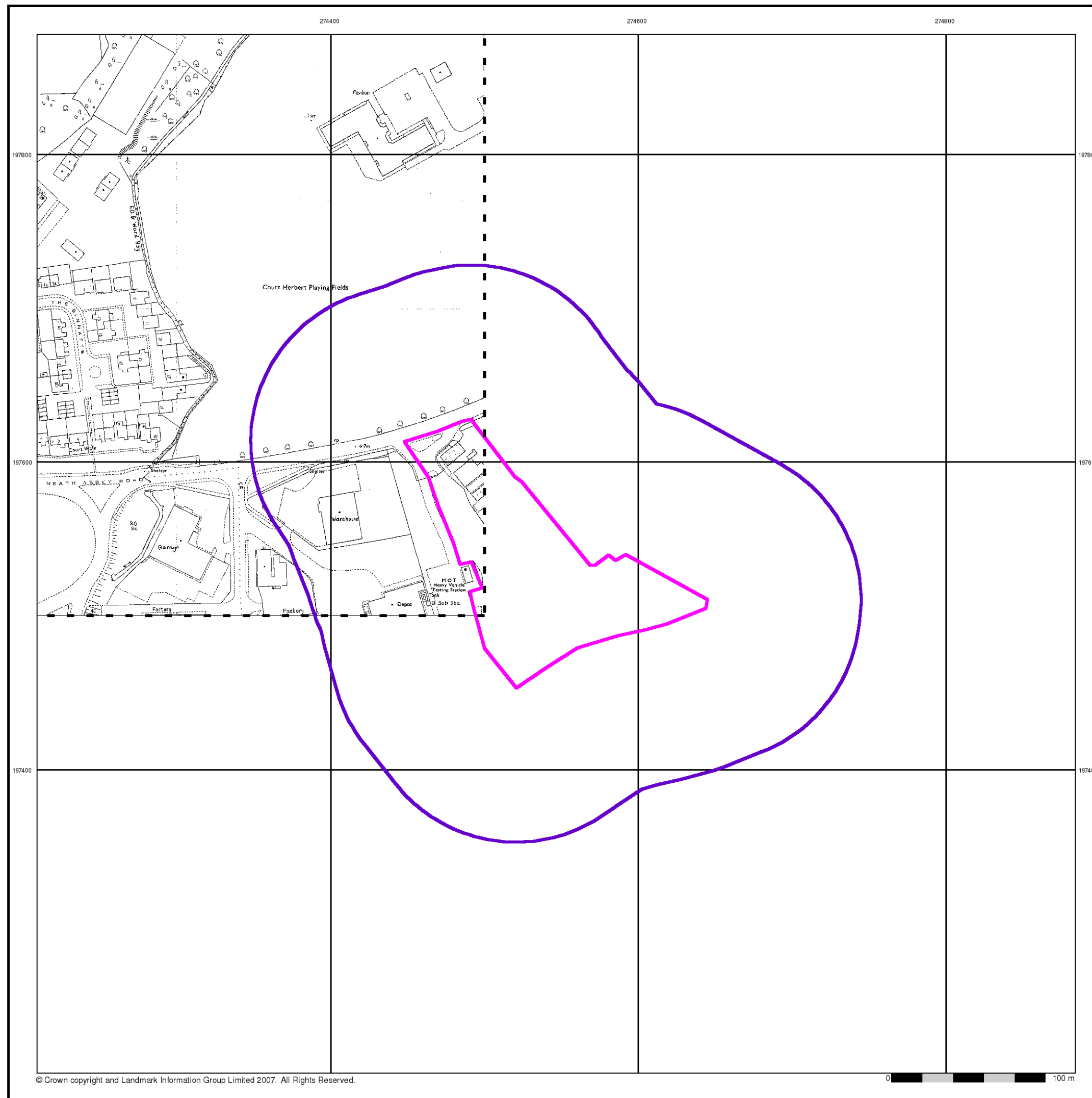
Order Number: 22003934_1_1
 Customer Ref: 7899-0001
 National Grid Reference: 274540, 197540
 Slice: A
 Site Area (Ha): 1.33
 Search Buffer (m): 100

Site Details

ALDI, Neath Abbey Road, NEATH, West Glamorgan, SA10

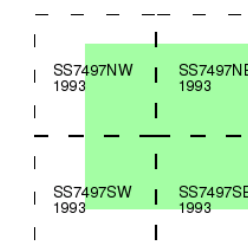
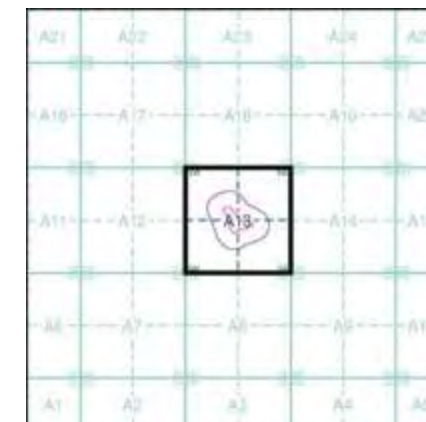


Tel: 0870 850 6670
 Fax: 0870 850 6671
 Web: www.envirocheck.co.uk



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

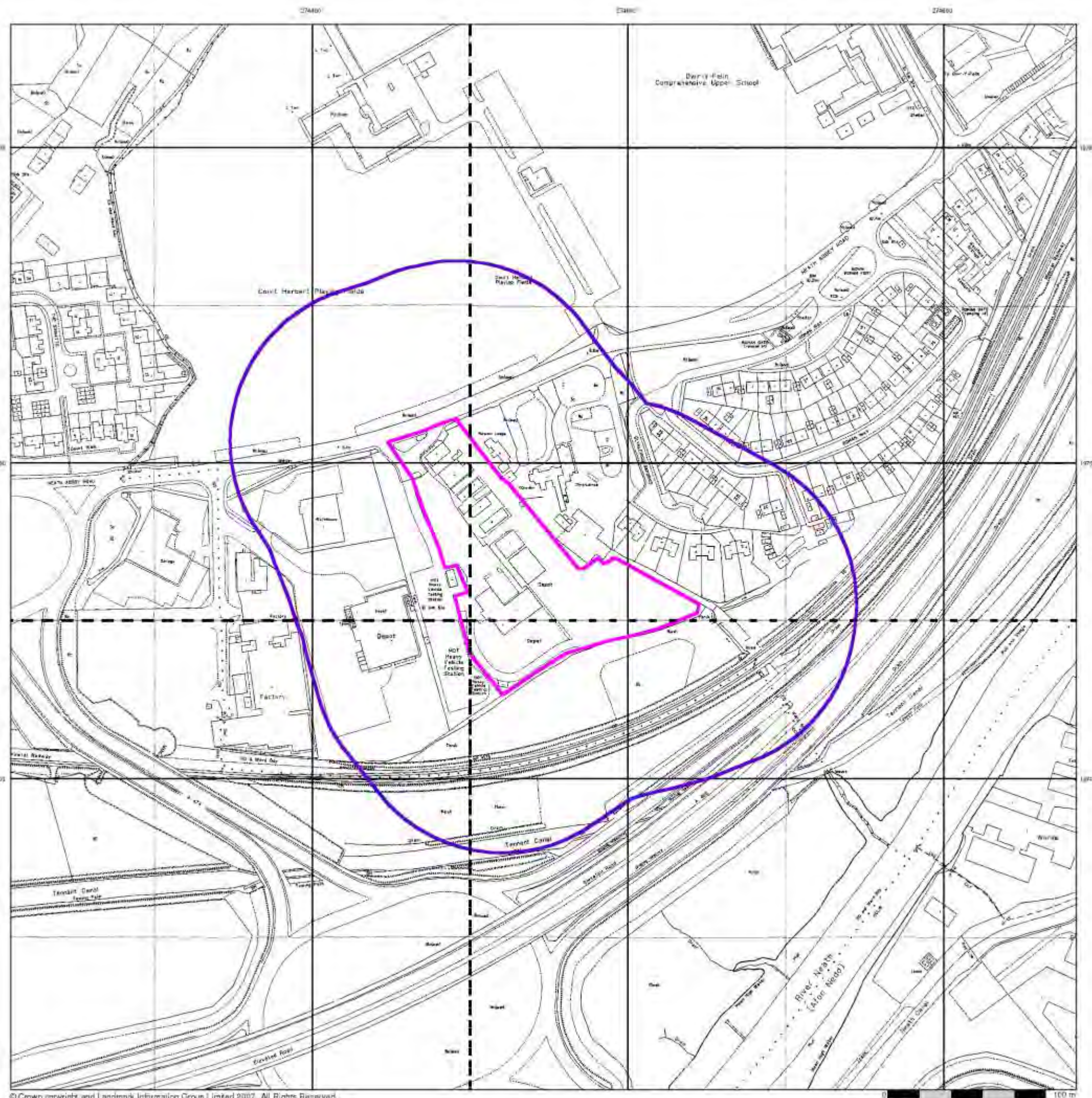
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)**Historical Map - Segment A13****Order Details**

Order Number: 22003934_1_1
 Customer Ref: 7899-0001
 National Grid Reference: 274540, 197540
 Slice: A
 Site Area (Ha): 1.33
 Search Buffer (m): 100

Site Details

ALDI, Neath Abbey Road, NEATH, West Glamorgan, SA10



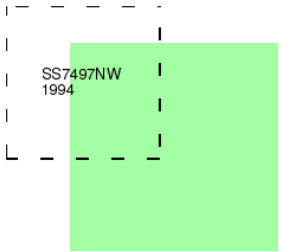
Large-Scale National Grid Data

Published 1994

Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

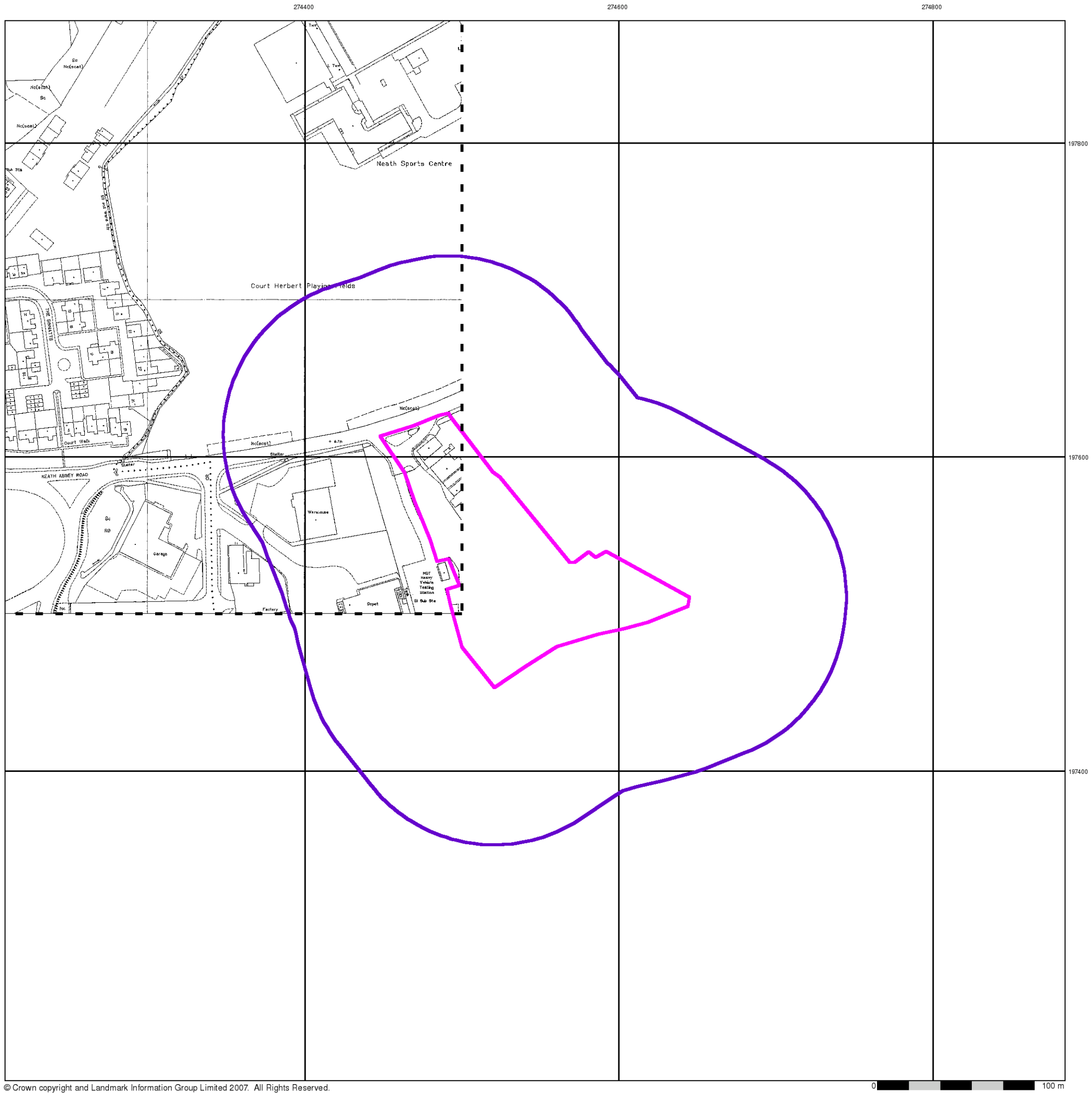
Order Number: 22003934_1_1
Customer Ref: 7899-0001
National Grid Reference: 274540, 197540
Slice: A
Site Area (Ha): 1.33
Search Buffer (m): 100

Site Details

ALDI, Neath Abbey Road, NEATH, West Glamorgan, SA10



Tel: 0870 850 6670
Fax: 0870 850 6671
Web: www.envirocheck.co.uk



APPENDIX D

Coal Authority Mining Report

Issued by:

The Coal Authority, Mining Reports Office, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire NG18 4RG
On-Line Service: www.coalminingreports.co.uk - Phone: 0845 762 6848 - DX 716176 MANSFIELD 5

DR IAN WILLIAMS,
GROUND INVESTIGATION LTD,
156 PORT TENNANT ROAD,
PORT TENNANT,
SWANSEA,
WEST GLAMORGAN,
SA1 8JQ

Person dealing with this matter:	Paul Heap
Our reference:	10312456-07
Your reference:	641/PO1206
Electronic Ref:	EME_00007554250001_005
RRUID:	005.00007554250001
Date of your enquiry:	15 August 2007
Date we received your enquiry:	15 August 2007
Date of issue:	20 August 2007

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

Coal and Brine Report

C S N Precision Engineering, Neath Abbey Road, Neath, West Glamorgan, SA10 7BR

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	Yes
Brine extraction	No

Information from the Coal Authority

Underground Coal Mining

Past

The property is in the likely zone of influence from workings in 2 seams of coal at 160m to 210m depth, and last worked in 1923.

Any ground movement from these coal workings should have stopped by now.

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 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

At the surface, there are no known faults or other lines of weakness due to coal mining that have made the property unstable.

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 property since 1 January 1984. There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority has not received a request to carry out preventive work 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

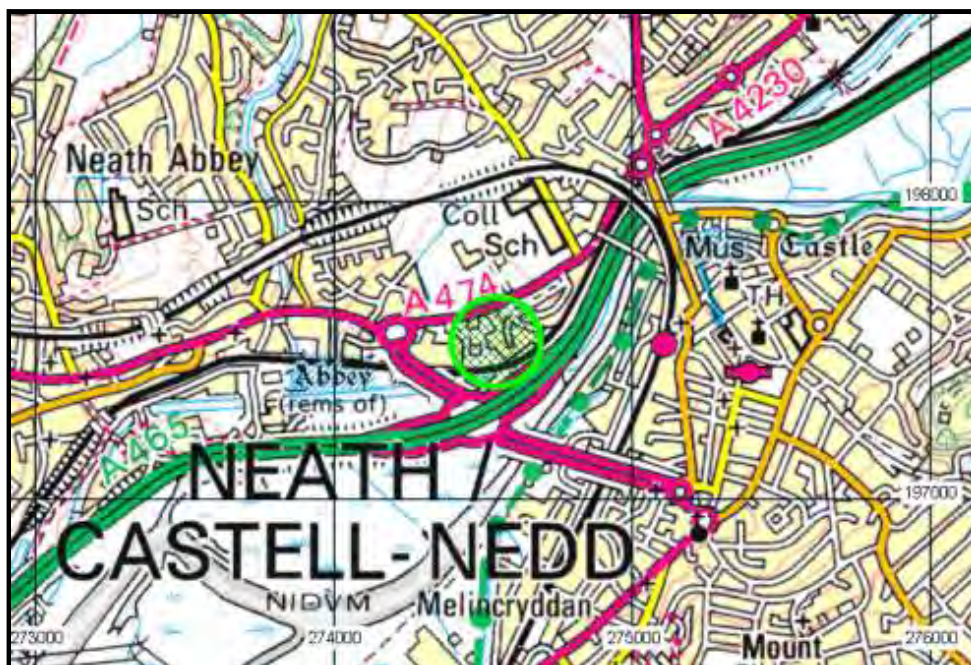
This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The report is compliant with Home Information Pack requirements.

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

These maps are reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. The Coal Authority. Licence number: 100020315. [2006]

Key

Approximate position of enquiry boundary shown

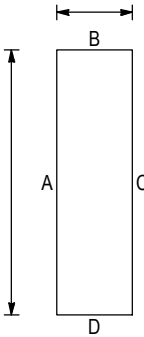


APPENDIX E

Trial Pit Records

GROUND INVESTIGATION. 6 New Mill Court, Enterprise Park, Swansea, SA7 9FG. TEL:01792 411013, FAX:01792 411014, EMAIL: mail@ground-investigation.co.uk

TP 01 641 NEATH ABBEY.GPJ IW.GDT 03/09/07

 GROUND INVESTIGATION			TRIAL PIT RECORD				Hole ID TP1	
Site: Proposed Aldi Store, Neath Abbey			Method/Plant Used: JCB 3CX				Sheet 1 of 1 (0.00m-0.00m) All dimensions in metres Scale 1:20	
Client: Aldi Stores Limited			Start date: 06/08/07		End Date: 06/08/07			
Job No: 641-1			Easting:		Northing:			
					Logged By: RMC		Elevation:	
SAMPLES & IN-SITU TESTS							STRATA	
Depth	Type / No	Results / Remarks	Water	Legend	Depth R.L.	Description		
0.15	D				0.10	Rough grass over soft dark brown slightly sandy slightly gravelly SILT with frequent thin plant roots. (TOPSOIL)		
0.50	D				(0.60)	Firm to stiff brown slightly sandy slightly gravelly CLAY/SILT of intermediate plasticity. Gravel is subrounded to subangular sandstone. (MADE GROUND)		
0.60	D				0.70	... large piece of timber at 0.6 m.		
1.00-1.50	B				(2.80)	Dense becoming very dense brown-grey slightly clayey/silty sandy medium coarse GRAVEL of subrounded to subangular sandstone with occasional mudstone, coal and some cobbles. (FLUVIO-GLACIAL GRAVEL)		
2.50-3.00	B					3.50	Trial pit terminated at 3.50 m depth	
Groundwater Observations				Shoring/Support: none Side Stability: stable				
Strike Depth	Flow Rate Remarks							
Not Struck								
General Remarks								
1. All descriptions of consistency and density are from field observations only.								
2. Materials at depths greater than 1.2 m were logged from the surface.								
3. Exploratory hole positions were surveyed by taped measurements from existing surface features.								

TPP 01 641.NEATH ABBEY.GPJ IW.GDT 03/09/07



GROUND INVESTIGATION

Site: Proposed Aldi Store, Neath Abbey

Client:	Aldi Stores Limited
----------------	---------------------

Job No: 641-1

Method/Plant Used: JCB 3CX

Start date: 06/08/07

Easting:

TRIAL PIT RECORD

Hole ID

TP2

Sheet 1 of 1 (0.00m-0.00m)

All dimensions in metres

Scale 1:20

SAMPLES & IN-SITU TESTS

STRATA

Depth	Type / No	Results / Remarks	Legend	Depth R.L.	Description
0.70	D			0.60	Medium dense grey angular limestone hardcore GRAVEL. (MADE GROUND)
1.00	D			0.60	Firm to stiff brown slightly sandy slightly gravelly CLAY/SILT of intermediate plasticity. Gravel is subrounded to subangular sandstone, mudstone and occasional coal. (MADE GROUND)
1.50-2.00	B			1.20	Loose to medium dense brown-grey to dark brown slightly clayey/silty sandy cobbly GRAVEL of rounded to subangular sandstone. (MADE GROUND)
				2.00	... piece of wire at 1.6 m.
2.50-3.00	B			(1.50)	Dense becoming very dense brown-grey slightly clayey/silty very sandy medium coarse GRAVEL of rounded to subangular sandstone with some cobbles. (FLUVIO-GLACIAL GRAVEL)
				3.50	Trial pit terminated at 3.50 m depth

Groundwater Observations

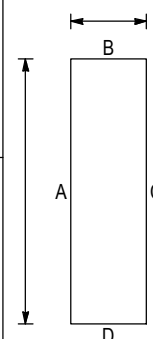
Strike Depth	Flow Rate Remarks
Not Struck	

Shoring/Support: none

Side Stability: some collapse between 1.2 and 2.0 m.

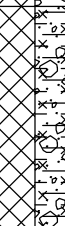
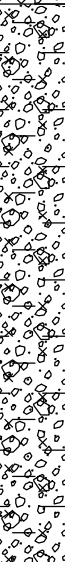
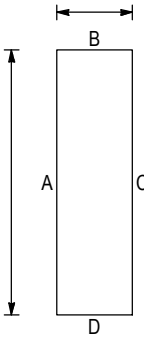
General Remarks	
-----------------	--

1. All descriptions of consistency and density are from field observations only.
2. Materials at depths greater than 1.2 m were logged from the surface.
3. Exploratory hole positions were surveyed by taped measurements from existing surface features.



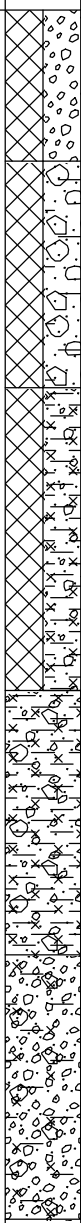
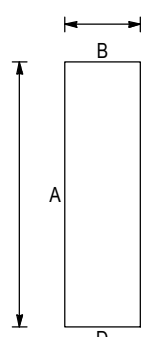
GROUND INVESTIGATION. 6 New Mill Court, Enterprise Park, Swansea, SA7 9FG. TEL:01792 411013, FAX:01792 411014, EMAIL:mail@ground-investigation.co.uk

TP 01 641 NEATH ABBEY.GPJ IW.GDT 03/09/07

 GROUND INVESTIGATION			TRIAL PIT RECORD				Hole ID TP3	
Site: Proposed Aldi Store, Neath Abbey			Method/Plant Used: JCB 3CX				Sheet 1 of 1 (0.00m-0.00m) All dimensions in metres Scale 1:20	
Client: Aldi Stores Limited			Start date: 06/08/07		End Date: 06/08/07			
Job No: 641-1			Easting:		Northing:			
					Logged By: RMC		Elevation:	
SAMPLES & IN-SITU TESTS							STRATA	
Depth	Type / No	Results / Remarks	Water	Legend	Depth R.L.	Description		
0.30	D				(0.70)	Medium dense grey angular limestone hardcore GRAVEL. (MADE GROUND)		
0.80	D				(0.60)	Firm brown slightly sandy slightly gravelly CLAY/SILT. Gravel is subrounded to subangular sandstone, mudstone and coal. (POSSIBLY MADE GROUND)		
1.50-2.00	B				(0.70)	Medium dense brown and dark brown slightly clayey/silty very sandy medium coarse GRAVEL of rounded to subangular sandstone with some cobbles. (POSSIBLY MADE GROUND)		
					(1.50)	Medium dense to dense becoming very dense brown and dark brown slightly clayey/silty sandy medium coarse GRAVEL of rounded to subangular sandstone with some cobbles. (FLUVIO-GLACIAL GRAVEL)		
					3.50	Trial pit terminated at 3.50 m depth		
Groundwater Observations								
Strike Depth	Flow Rate Remarks		Shoring/Support: none Side Stability: stable					
Not Struck								
General Remarks 1. All descriptions of consistency and density are from field observations only. 2. Materials at depths greater than 1.2 m were logged from the surface. 3. Exploratory hole positions were surveyed by taped measurements from existing surface features.								

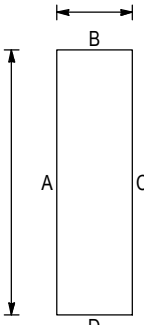
GROUND INVESTIGATION. 6 New Mill Court, Enterprise Park, Swansea, SA7 9FG. TEL:01792 411013, FAX:01792 411014, EMAIL:mail@ground-investigation.co.uk

TP 01 641 NEATH ABBEY.GPJ IW.GDT 03/09/07

 GROUND INVESTIGATION			TRIAL PIT RECORD				Hole ID TP4	
Site: Proposed Aldi Store, Neath Abbey			Method/Plant Used: JCB 3CX				Sheet 1 of 1 (0.00m-0.00m) All dimensions in metres Scale 1:20	
Client: Aldi Stores Limited			Start date: 06/08/07		End Date: 06/08/07			
Job No: 641-1			Easting:		Northing:			
					Logged By: RMC		Elevation:	
SAMPLES & IN-SITU TESTS			W a t e r	STRATA				
Depth	Type / No	Results / Remarks		Legend	Depth R.L.	Description		
0.20	D			(0.40)	Medium dense grey angular limestone hardcore GRAVEL. (MADE GROUND)			
0.50	D			0.40	Loose brown-grey sandy gravelly COBBLES of angular often tabular sandstone building stone and brick. (MADE GROUND)			
				(0.60)				
1.20	D			1.00	Soft dark brown slightly sandy slightly gravelly CLAY/SILT. Gravel is subrounded to subangular sandstone, mudstone and occasional coal. (MADE GROUND)			
				(0.80)				
2.00	D		1.80	Firm to stiff brown slightly sandy slightly gravelly CLAY/SILT of intermediate plasticity. Gravel is sandstone, mudstone and occasional coal. (POSSIBLE HEAD DEPOSITS)				
			(0.70)					
2.50-3.00	B		2.50	Dense becoming very dense brown-grey slightly clayey/silty very sandy coarse GRAVEL of rounded to subangular sandstone with some cobbles. (FLUVIO-GLACIAL GRAVEL)				
			(0.70)					
			3.20	Trial pit terminated at 3.20 m depth				
Groundwater Observations			Shoring/Support: none					
Strike Depth	Flow Rate Remarks		Side Stability: stable					
3.20	medium inflow							
General Remarks 1. All descriptions of consistency and density are from field observations only. 2. Materials at depths greater than 1.2 m were logged from the surface. 3. Exploratory hole positions were surveyed by taped measurements from existing surface features.								

GROUND INVESTIGATION. 6 New Mill Court, Enterprise Park, Swansea, SA7 9FG. TEL:01792 411013, FAX:01792 411014, EMAIL: mail@ground-investigation.co.uk

TP 01 641 NEATH ABBEY.GPJ IW.GDT 03/09/07

 GROUND INVESTIGATION			TRIAL PIT RECORD				Hole ID TP5	
Site: Proposed Aldi Store, Neath Abbey			Method/Plant Used: JCB 3CX				Sheet 1 of 1 (0.00m-0.00m) All dimensions in metres Scale 1:20	
Client: Aldi Stores Limited			Start date: 06/08/07		End Date: 06/08/07			
Job No: 641-1			Easting:		Northing:			
					Logged By: RMC		Elevation:	
SAMPLES & IN-SITU TESTS			Water	STRATA				
Depth	Type / No	Results / Remarks		Legend	Depth R.L.	Description		
0.20	D					Weeds over medium dense dark grey-brown slightly clayey/silty very sandy medium coarse GRAVEL of brick, concrete, sandstone and hardcore with some cobbles. (MADE GROUND)		
0.50-1.50	B				(1.80)			
2.00	D				1.80	Firm to stiff brown-grey slightly sandy slightly gravelly CLAY/SILT. Gravel is subrounded to subangular sandstone, mudstone and occasional coal. (POSSIBLE HEAD DEPOSITS)		
2.50-3.00	B		(0.70)					
			2.50	Dense becoming very dense brown-grey slightly clayey/silty sandy medium coarse GRAVEL of rounded to subangular sandstone with some cobbles. (FLUVIO-GLACIAL GRAVEL)				
			(1.00)	... becoming wet from 3.0 m.				
			3.50	Trial pit terminated at 3.50 m depth				
Groundwater Observations			Shoring/Support: none					
Strike Depth	Flow Rate Remarks		Side Stability: stable					
3.50	slow inflow							
General Remarks								
1. All descriptions of consistency and density are from field observations only.								
2. Materials at depths greater than 1.2 m were logged from the surface.								
3. Exploratory hole positions were surveyed by taped measurements from existing surface features.								

GROUND INVESTIGATION. 6 New Mill Court, Enterprise Park, Swansea, SA7 9FG. TEL:01792 411013, FAX:01792 411014, EMAIL:mail@ground-investigation.co.uk

TP 01 641 NEATH ABBEY.GPJ IW.GDT 03/09/07



GROUND INVESTIGATION

TRIAL PIT RECORD

Hole ID

TP6

Sheet 1 of 1 (0.00m-0.00m)
All dimensions in metres
Scale 1:20

Site: Proposed Aldi Store, Neath Abbey	Method/Plant Used: JCB 3CX		
Client: Aldi Stores Limited	Start date: 06/08/07	End Date: 06/08/07	Logged By: RMC
Job No: 641-1	Easting:	Northing:	Elevation:

SAMPLES & IN-SITU TESTS

Depth	Type / No	Results / Remarks	Water	STRATA	
				Legend	Depth R.L. Description
0.20	D				Grass and weeds on loose clayey/silty very sandy coarse GRAVEL of brick, concrete, metal, sandstone, tile and mudstone with some cobbles. (MADE GROUND)
0.50-1.00	B				(1.50)
1.00	D				1.50
1.60	D				Firm to stiff brown slightly sandy slightly gravelly CLAY/SILT. Gravel is subrounded to subangular sandstone, mudstone and occasional coal. (POSSIBLE HEAD DEPOSITS)
					(0.90)
					2.40
2.50-3.00	B				Dense becoming very dense grey-brown slightly clayey/silty sandy medium coarse GRAVEL of rounded to subangular sandstone with some cobbles. (FLUVIO-GLACIAL GRAVEL)
					(1.10)
					... becoming wet from 3.2 m.
					3.50
					Trial pit terminated at 3.50 m depth

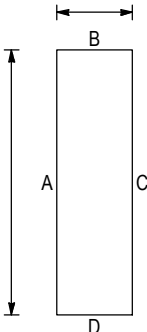
Groundwater Observations

Strike Depth	Flow Rate Remarks
3.40	medium inflow

Shoring/Support: none
Side Stability: stable

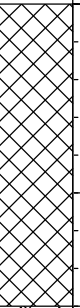
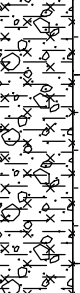
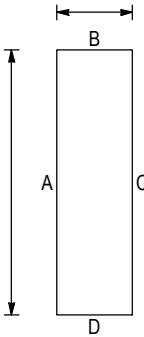
General Remarks

- 1. All descriptions of consistency and density are from field observations only.
- 2. Materials at depths greater than 1.2 m were logged from the surface.
- 3. Exploratory hole positions were surveyed by taped measurements from existing surface features.



GROUND INVESTIGATION. 6 New Mill Court, Enterprise Park, Swansea, SA7 9FG. TEL:01792 411013, FAX:01792 411014, EMAIL: mail@ground-investigation.co.uk

TP 01 641 NEATH ABBEY.GPJ IW.GDT 03/09/07

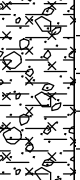
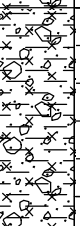
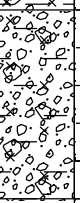
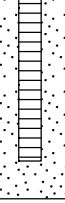
 GROUND INVESTIGATION			TRIAL PIT RECORD				Hole ID TP7	
Site: Proposed Aldi Store, Neath Abbey			Method/Plant Used: JCB 3CX				Sheet 1 of 1 (0.00m-0.00m) All dimensions in metres Scale 1:20	
Client: Aldi Stores Limited			Start date: 06/08/07		End Date: 06/08/07			
Job No: 641-1			Easting:		Northing:			
					Logged By: RMC		Elevation:	
SAMPLES & IN-SITU TESTS					Water	STRATA		
Depth	Type / No	Results / Remarks	Legend	Depth R.L.		Description		
0.40	D			(0.80) 0.80	Weeds and hardcore on clayey/silty sandy cobbly GRAVEL of brick, hardcore, concrete and building stone. (MADE GROUND) ... timber post at 0.2 m.			
1.00	D			(0.80) 1.60	Firm to stiff brown slightly sandy slightly gravelly CLAY/SILT. Gravel is subrounded to subangular sandstone, mudstone and coal. (POSSIBLE HEAD DEPOSITS)			
2.00-3.00	B			(2.00) 3.60	Dense becoming very dense brown-grey slightly clayey/silty sandy medium coarse GRAVEL of rounded to subangular sandstone with some cobbles. (FLUVIO-GLACIAL GRAVEL) ... becoming wet at 3.3 m			
					Trial pit terminated at 3.60 m depth			
Groundwater Observations					Shoring/Support: none Side Stability: some collapse between 0.0 and 0.8 m.			
Strike Depth	Flow Rate Remarks							
3.50	slow inflow							
General Remarks								
1. All descriptions of consistency and density are from field observations only. 2. Materials at depths greater than 1.2 m were logged from the surface. 3. Exploratory hole positions were surveyed by taped measurements from existing surface features.								

APPENDIX F

Windowless Sample Borehole Records

GROUND INVESTIGATION. 6 New Mill Court, Enterprise Park, Swansea, SA7 9FG. TEL:01792 411013, FAX:01792 411014, EMAIL: mail@ground-investigation.co.uk

CPS 01 641, NEATH ABBEY, GPJ IW, GDT 03/09/07

 GROUND INVESTIGATION					Continuous Percussion Borehole Record										Hole ID WS1							
Site: Proposed Aldi Store, Neath Abbey					Method/Plant Used: Archway Competitor - Windowless Sampling										Sheet 1 of 1 (0.00m-4.00m) All dimensions in metres Scale 1:20							
Client: Aldi Stores Limited					Start date: 02/08/07					End Date: 02/08/07									Logged By: RMC			
Job No: 641-1					Easting:					Northing:									Elevation:			
SAMPLES & IN-SITU TESTS										Water	STRATA										Backfill & Inst	
Depth	Type / No	Result / Remark			Legend	Depth (thick.)	Description															
0.50-1.00	D					(0.20) 0.20	Tarmacadam (TARMACADAM)															
						(0.30) 0.50	Concrete (CONCRETE)															
1.00-1.60 1.00-1.45	D C	N=6 (1,1:1,2,1,2)				(0.50) 1.00	Soft brown-grey slightly sandy slightly gravelly CLAY/SILT. Gravel is angular to rounded coal, sandstone and mixed lithology. (POSSIBLE HEAD DEPOSITS)															
						(0.60) 1.60	Soft to firm brown slightly sandy slightly gravelly CLAY/SILT. Gravel is subangular to subrounded sandstone, mudstone and coal. (POSSIBLE HEAD DEPOSITS)															
1.60-2.10 1.70-2.15	D C	N=46 (16,12:11,10,13,12)				(0.50) 2.10	Dense grey occasional orange-brown slightly clayey/silty sandy medium coarse GRAVEL of subangular to angular mudstone and sandstone with some cobbles and boulders. (FLUVIO-GLACIAL GRAVEL) ... Sampler refused at 1.7 m. Try to break through with cone.															
					... Sampler refused at 2.1 m. Unable to break through with cone. Borehole terminated at 2.10 m depth																	
2.10-2.44	C	N>50 (7,15:17,33,10/40mm)																				
General Remarks																						
1. All descriptions of consistency and density are from field observations and in-situ tests.																						
2. Exploratory hole positions were surveyed by taped measurements from existing surface features.																						
3. Borehole was located adjacent to underground waste oil tanks.																						
4. Concrete slab cored at surface.																						
5. Borehole was terminated due to refusal on dense deposits.																						
6. 50mm diameter gas/groundwater monitoring well installed with repsonse zone between 1.0 and 2.0m depth.																						

GROUND INVESTIGATION

Site: Proposed Aldi Store, Neath Abbey
Client: Aldi Stores Limited
Job No: 641-1

Method/Plant Used: Archway Competitor - Windowless Sampling
Start date: 02/08/07
Easting:

End Date: 02/08/07
Northing:

Logged By: RMC
Elevation:

Hole ID
WS2
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

SAMPLES & IN-SITU TESTS

Depth	Type / No	Result / Remark
0.40-1.00	D	
1.00-1.50	D	
1.00-1.45	C	N=49 (12,1:12,7,14,16)
1.50-2.00	D	
2.00-2.45	C	N=40 (8,10:10,9,11,10)
2.50-3.00	D	
3.00-3.36	C	N>50 (16,10:16,16,18/55mm)

STRATA

Legend	Depth (thick.)	Description
	(0.20) 0.20	Tarmacadam (TARMACADAM)
	(0.20) 0.40	Concrete (CONCRETE)
	(1.60) 2.00	Dense brown and grey silty sandy GRAVEL of angular to subrounded sandstone, concrete, limestone hardcore, quartzite and mudstone with some cobbles. (MADE GROUND) ... Possible old clay drain at 0.6 m. Stagnant water odour, soils damp.
	(1.00) 3.00	Dense brown slightly clayey/silty sandy medium coarse GRAVEL of subrounded to subangular sandstone and mudstone with some cobbles. (FLUVIO-GLACIAL GRAVEL)
		Borehole terminated at 3.00 m depth

Boring Progress and Water Observations

Water Strikes

Chiselling

Hole Diameter

Casing Diameter

Date	Time	Hole Depth	Casing Depth	Water Depth	Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed	From	To	Time (hh:mm)	Depth	Diameter (mm)	Depth	Diameter (mm)
02/08/07	00:00	3.00	1.00	dry												

General Remarks

1. All descriptions of consistency and density are from field observations and in-situ tests.
2. Exploratory hole positions were surveyed by taped measurements from existing surface features.
3. Concrete slab cored at surface.
4. Borehole was terminated due to refusal on dense deposits.
5. Borehole backfilled with arisings on completion.

CPS 01 641.NEATH ABBEY.GPJ IW.GDT 03/09/07

GROUND INVESTIGATION. 6 New Mill Court, Enterprise Park, Swansea, SA7 9FG. TEL:01792 411013, FAX:01792 411014, EMAIL:mail@ground-investigation.co.uk



GROUND INVESTIGATION

Continuous Percussion Borehole Record

Hole ID

WS3

Sheet 1 of 1 (0.00m-4.00m)

All dimensions in metres

Scale 1:20

Site: Proposed Aldi Store, Neath Abbey

Method/Plant Used: Archway Competitor - Windowless Sampling

Client:	Aldi Stores Limited
----------------	---------------------

Start date: 02/08/07

End Date: 02/08/07

Logged By: RMC

Job No: 641-1

Easting

Northings:

Elevation:

SAMPLES & IN-SITU TESTS

Water

STRATA

Depth	Type / No	Result / Remark	Legend	Depth (thick.)	Description	Backfill & Inst
				(0.25) 0.25	Grass over soft brown SILT with frequent thin plant roots. (TOPSOIL)	
0.30-0.50	D			(1.45) 1.70	Medium dense to dense becoming very dense brown-grey slightly clayey/silty sandy medium coarse GRAVEL of angular to subrounded sandstone, mudstone and occasional coal with some cobbles. (FLUVIO-GLACIAL GRAVEL)	
0.50-1.00	D					
1.00-1.50 1.00-1.32	D C	N>50 (13,12:14,14,24/20mm)				
1.50-1.85	C	N>50 (12,13:16,15,22/45mm)				
					... Sampler refused at 1.5 m. Try to break through with cone.	
					... Sampler refused at 1.7 m. Unable to break through with cone. Borehole terminated at 1.70 m depth	

Boring Progress and Water Observations

Water Strikes

Chiselling

	Hole Diameter
--	---------------

Casing Diameter	
-----------------	--

[illegible]

General Remarks	
-----------------	--

1. All descriptions of consistency and density are from field observations and in-situ tests.
2. Exploratory hole positions were surveyed by taped measurements from existing surface features.
3. Borehole was terminated due to refusal on dense deposits.
4. Borehole backfilled with arisings on completion.



GROUND INVESTIGATION

Continuous Percussion Borehole Record

Hole ID

WS4

Sheet 1 of 1 (0.00m-4.00m)

All dimensions in metres

Scale 1:20

Site: Proposed Aldi Store, Neath Abbey

Client:	Aldi Stores Limited
----------------	---------------------

Job No: 641-1

Method/Plant Used: Archway Competitor - Windowless Sampling

Start date: 02/08/07

End Date: 02/08/07

Logged By: RMC

Easting

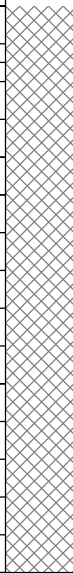
Northings:

Elevation:

SAMPLES & IN-SITU TESTS

STRATA

Backfill

Depth	Type / No	Result / Remark	Legend	Depth (thick.)	Description	Backfill & Inst
0.40-1.00	D			0.15	Tarmacadam (TARMACADAM)	
				(0.25)	Tarmacadam and hardcore gravel. (MADE GROUND)	
				0.40		
					Dense becoming very dense brown and grey slightly clayey/silty sandy medium coarse GRAVEL of angular to subrounded sandstone, mudstone and occasional coal with some cobbles. (FLUVIO-GLACIAL GRAVEL)	
1.00-1.36	C	N>50 (18,7:15,33,2/60mm)		(1.10)		
1.40-1.66	C	N>50 (16,9:30,20/30mm)				
				1.50		
					... Sampler refused at 1.5 m. Unable to break through with cone. Borehole terminated at 1.50 m depth	

Boring Progress and Water Observations

Water Strikes

Chiselling

Hole Diameter	
---------------	--

Casing Diameter

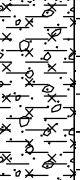
[illegible]

General Remarks	
-----------------	--

1. All descriptions of consistency and density are from field observations and in-situ tests.
2. Exploratory hole positions were surveyed by taped measurements from existing surface features.
3. Borehole located to south of reported underground fuel tanks.
4. Tarmacadam cored at surface.
5. Borehole was terminated due to refusal on dense deposits.
6. Borehole backfilled with arisings on completion.

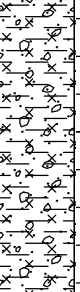
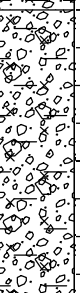
GROUND INVESTIGATION. 6 New Mill Court, Enterprise Park, Swansea, SA7 9FG. TEL:01792 411013, FAX:01792 411014, EMAIL:mail@ground-investigation.co.uk

CPS 01 641.NEATH ABBEY.GPJ IW.GDT 03/09/07

 GROUND INVESTIGATION					Continuous Percussion Borehole Record										Hole ID WS5																																																						
Site: Proposed Aldi Store, Neath Abbey					Method/Plant Used: Archway Competitor - Windowless Sampling										Sheet 1 of 1 (0.00m-4.00m) All dimensions in metres Scale 1:20																																																						
Client: Aldi Stores Limited					Start date: 02/08/07					End Date: 02/08/07			Logged By: RMC																																																								
Job No: 641-1					Easting:					Northing:			Elevation:																																																								
SAMPLES & IN-SITU TESTS										Water	STRATA							Backfill & Inst																																																			
Depth	Type / No	Result / Remark			Legend	Depth (thick.)	Description																																																														
0.20-0.70	D	N>50 (5,6:11,12,20,7/55mm) 				0.15	Grass over soft brown SILT with frequent thin plant roots. (TOPSOIL)																																																														
						(0.55)	Firm to stiff dark brown slightly sandy slightly gravelly CLAY/SILT. Gravel is subangular to subrounded sandstone, mudstone and occasional coal. (HEAD DEPOSITS)																																																														
0.70-1.00	D					0.70	Dense becoming very dense brown-grey slightly clayey/silty sandy medium coarse GRAVEL of subangular to subrounded sandstone with some cobbles. (FLUVIO-GLACIAL GRAVEL)																																																														
1.00-1.43	C					(0.90)																																																															
			1.60	... Sampler refused at 1.0 m. Try to break through with cone.																																																																	
												... Sampler refused at 1.6 m. Unable to break through with cone. Borehole terminated at 1.60 m depth																																																									
<table><tr><th colspan="5">Boring Progress and Water Observations</th><th colspan="3">Water Strikes</th><th colspan="3">Post</th><th colspan="3">Chiselling</th><th colspan="2">Hole Diameter</th><th colspan="2">Casing Diameter</th></tr><tr><th>Date</th><th>Time</th><th>Hole Depth</th><th>Casing Depth</th><th>Water Depth</th><th>Strike Depth</th><th>Flow Rate</th><th>Post Strike Depth</th><th>Elapsed Minutes</th><th>Depth Sealed</th><th>From</th><th>To</th><th>Time (hh:mm)</th><th>Depth</th><th>Diameter (mm)</th><th>Depth</th><th>Diameter (mm)</th></tr><tr><td>02/08/07</td><td>00:00</td><td>1.60</td><td>1.00</td><td>dry</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																		Boring Progress and Water Observations					Water Strikes			Post			Chiselling			Hole Diameter		Casing Diameter		Date	Time	Hole Depth	Casing Depth	Water Depth	Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed	From	To	Time (hh:mm)	Depth	Diameter (mm)	Depth	Diameter (mm)	02/08/07	00:00	1.60	1.00	dry												
Boring Progress and Water Observations					Water Strikes			Post			Chiselling			Hole Diameter		Casing Diameter																																																					
Date	Time	Hole Depth	Casing Depth	Water Depth	Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed	From	To	Time (hh:mm)	Depth	Diameter (mm)	Depth	Diameter (mm)																																																					
02/08/07	00:00	1.60	1.00	dry																																																																	
General Remarks 1. All descriptions of consistency and density are from field observations and in-situ tests. 2. Exploratory hole positions were surveyed by taped measurements from existing surface features. 3. Borehole was terminated due to refusal on dense deposits. 4. Borehole backfilled with arisings on completion.																																																																					

GROUND INVESTIGATION. 6 New Mill Court, Enterprise Park, Swansea, SA7 9FG. TEL:01792 411013, FAX:01792 411014, EMAIL: mail@ground-investigation.co.uk

CPS 01 641.NEATH ABBEY.GPJ IW.GDT 03/09/07

 GROUND INVESTIGATION					Continuous Percussion Borehole Record										Hole ID WS6			
Site: Proposed Aldi Store, Neath Abbey					Method/Plant Used: Archway Competitor - Windowless Sampling										Sheet 1 of 1 (0.00m-4.00m) All dimensions in metres Scale 1:20			
Client: Aldi Stores Limited					Start date: 02/08/07					End Date: 02/08/07			Logged By: RMC					
Job No: 641-1					Easting:					Northing:			Elevation:					
SAMPLES & IN-SITU TESTS										Water	STRATA							Backfill & Inst
Depth	Type / No	Result / Remark			Legend	Depth (thick.)	Description											
0.20-0.50	D					0.15	Grass over soft brown SILT with frequent thin plant roots. (TOPSOIL)											
0.50-1.00	D										(1.45)	Firm brown occasional grey slightly sandy slightly gravelly CLAY/SILT of intermediate. Gravel is subangular to subrounded sandstone, mudstone and coal. (HEAD DEPOSITS)						
1.00-1.45	C	N=5 (1,1:1,1,2,1)																
2.00-2.36	C	N>50 (8,12:21,20,9/55mm)				(0.80)	Dense becoming very dense grey-brown slightly clayey/silty sandy medium coarse GRAVEL of angular to subrounded sandstone with some cobbles. (FLUVIO-GLACIAL GRAVEL)											
						2.40												
											... Sampler refused at 2.4 m. Unable to break through with cone. Borehole terminated at 2.40 m depth							
Boring Progress and Water Observations					Water Strikes					Chiselling				Hole Diameter		Casing Diameter		
Date	Time	Hole Depth	Casing Depth	Water Depth	Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed	From	To	Time (hh:mm)	Depth	Diameter (mm)	Depth	Diameter (mm)		
02/08/07	00:00	2.40	1.00	dry														
General Remarks 1. All descriptions of consistency and density are from field observations and in-situ tests. 2. Exploratory hole positions were surveyed by taped measurements from existing surface features. 3. Borehole was terminated due to refusal on dense deposits. 4. Borehole backfilled with arisings on completion.																		

APPENDIX G

Gas and Groundwater Monitoring

FIELD GROUNDWATER & GAS MONITORING DATA

SITE: Proposed Aldi Store, Neath Abbey
MONITORING DATE: 09/08/07
WEATHER CONDITIONS: Sunny with a strong breeze
FIELD ENGINEER: GG
BAROMETRIC PRESSURE TREND: 1021mb steady

APPENDIX G
PROJECT ID: 641-1
MONITORING VISIT: 1

INSTRUMENT TYPE: Geotechnical Instruments GA2000 infra red gas analyser with flow pod attachment.
INSTRUMENT ID: GA05787
FLOW POD ID: 409.0

POINT ID	Baro Pressure (mB)	Water Depth (m)	Well Depth (m)	PSP (mm)	CH ₄ peak (% vol)	CH ₄ steady (% vol)	CO ₂ (% vol)	O ₂ (% vol)	Balance (% vol)	H ₂ S (ppm)	CO (ppm)	Relative Pressure (mB)	Flow Rate (L/hr)	Soap Bubble	Remarks
BH1	1021	Damp At Base	1.93	0.00	0.0	0.0	6.2	10.8	82.8	0	0	-1.30	0.0	NFD	

MIN	1021	0.00	1.93		0.0	0.0	6.2	10.8	82.8	0.0	0.0	-1.3	0.0		
MAX	1021	0.00	1.93		0.0	0.0	6.2	10.8	82.8	0.0	0.0	-1.3	0.0		

NOTES

- 1. PSP - thickness of phase separated hydrocarbon product measured using interface probe.
- 2. PID - concentration of volatile hydrocarbons measured using photo-ionisation detector.
- 3. NFD = No Flow Detected

FIELD GROUNDWATER & GAS MONITORING DATA

SITE: Proposed Aldi Store, Neath Abbey
MONITORING DATE: 15/08/07
WEATHER CONDITIONS: Sunny with a strong breeze
FIELD ENGINEER: GG
BAROMETRIC PRESSURE TREND: 1021mb steady

APPENDIX G
PROJECT ID: 641-1
MONITORING VISIT: 2

INSTRUMENT TYPE: Geotechnical Instruments GA2000 infra red gas analyser with flow pod attachment.
INSTRUMENT ID: GA05787
FLOW POD ID: 409.0

POINT ID	Baro Pressure (mB)	Water Depth (m)	Well Depth (m)	PSP (mm)	CH ₄ peak (% vol)	CH ₄ steady (% vol)	CO ₂ (% vol)	O ₂ (% vol)	Balance (% vol)	H ₂ S (ppm)	CO (ppm)	Relative Pressure (mB)	Flow Rate (L/hr)	Soap Bubble	Remarks
BH1	994	Damp At Base	1.93	0.00	0.0	0.0	6.5	9.5	83.9	0	0	0.29	0.0	NFD	

MIN	994	0.00	1.93		0.0	0.0	6.5	9.5	83.9	0.0	0.0	0.3	0.0		
MAX	994	0.00	1.93		0.0	0.0	6.5	9.5	83.9	0.0	0.0	0.3	0.0		

NOTES

- 1. PSP - thickness of phase separated hydrocarbon product measured using interface probe.
- 2. PID - concentration of volatile hydrocarbons measured using photo-ionisation detector.
- 3. NFD = No Flow Detected

APPENDIX H

Geo-environmental Laboratory Test Results - Soils

Our Ref: EFS/073716 (Ver. 1)

Your Ref:

August 31, 2007



TES Bretby

PO Box 100

Bretby Business Park

Ashby Road

Burton-on-Trent

Staffordshire

DE15 0XD

Telephone: 01283 554400

Facsimile: 01283 554422

Mr R Colwill
Ground Investigation Ltd
Geotechnical &
6 New Mill Court
Enterprise Park
Swansea
SA7 9FG

For the attention of Mr R Colwill

Dear Mr Colwill

SOIL Sample Analysis - Neath Abbey

Samples from the above site have been analysed in accordance with the schedule supplied.
The sample details and the results of analyses for these samples are given in the appended report.

An invoice for this work will follow under a separate cover.

Where appropriate the samples will be kept until 21/09/07 when they will be discarded. Please call 01283 554500 for an extension of this date.

Please be aware that from 1 January 2003 our policy for the retention of paper based laboratory records and analysis reports will be 3 years.

The work was carried out in accordance with Environmental Services Group Standard Terms and Conditions of Contract.

If I can be of any further assistance please do not hesitate to contact me.

Yours sincerely

for TES Bretby

A handwritten signature in black ink, appearing to read "J. Elstob", written over a light blue horizontal line.

J Elstob
Project Co-ordinator
01283 554500

TES Report No. EFS/073716 (Ver. 1)

Ground Investigation Ltd
Geotechnical &
6 New Mill Court
Enterprise Park
Swansea
SA7 9FG

Site: Neath Abbey

The 16 samples described in this report were logged for analysis by TES Bretby on 10-Aug-2007.
The analysis was completed by: 31-Aug-2007

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 TES Bretby Laboratories.

The following tables are contained in this report:

Table 1 Main Analysis Results (Pages 2 to 3)
Table of GRO Results (Page 4)
Table of PAH (MS-SIM) (80) Results (Pages 5 to 14)
Table of TPH (Si) banding (std) (Page 15)
GC-FID Chromatograms (Pages 16 to 21)
Table of Report Notes (Page 22)

On behalf of
TES Bretby :
J Elstub



Project Co-ordinator

Date of Issue: 31-Aug-2007

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

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

Units : Method Codes : Method Reporting Limits : UKAS Accredited :		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/l	mg/kg	pH Units						
		ICPACIDS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPWSS	TPHFIDUS	WSLM3					
		20	0.5	0.1	0.5	0.5	0.5	0.10	0.5	0.5	3.0	10	10.0							
		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes						
TES ID Number	CL/ Client Sample Description	SO4-- (acid sol)	Arsenic (MS)	Cadmium (MS)	Chromium (MS)	Copper (MS)	Lead (MS)	Mercury (MS)	Nickel (MS)	Selenium (MS)	Zinc (MS)	SO4-- (H2O sol) mg/l	TPH by GC/FID (AR/SI)	pH units						
0722549	TP1 0.15	103	10.2	0.11	18*	21	25.6	<0.1	14.9	<0.5	52.2	18		7.9						
0722550	TP3 0.3	90	6.3	0.42	6.9*	12.7	15.8	<0.1	5.4	<0.5	28.9	14		8.8						
0722551	TP3 0.8	51	10.0	0.17	18.1*	21.8	25.5	<0.1	19.4	0.7	81.3	11		8.0						
0722552	TP5 0.2	261	43	0.95	12.8*	152.6	174.4	<0.1	18.9	<0.5	336.5	16	Req	8.3						
0722553	TP5 2.0	54										14		8.1						
0722554	TP6 0.2	1510	54.7	1.05	25.5*	161.7	154.1	0.14	39.3	0.6	343.3	210		10.7						
0722555	TP6 1.6	101										19		8.1						
0722539	WS1 0.5-1.0	342	54.9	0.71	15.3*	100.8	70.2	<0.1	18.3	<0.5	156.1	57	Req	7.4						
0722540	WS1 1.0-1.6	82										29		7.5						
0722541	WS2 0.4-1.0	305	10.0	0.11	13.5*	15.2	14.6	<0.1	21.5	<0.5	56.4	42		12.0						
0722542	WS2 1.0-1.5	425										281		9.6						
0722543	WS3 1.0-1.5	<20										10		8.5						
0722544	WS4 0.4-1.0	<20	6.7	<0.1	11.2	13.3	13.2	<0.1	19.1	<0.5	45	14	Req	8.4						
0722545	WS5 0.2-0.7	666	118.2	2.26	19.6*	350.9	428.5	0.21	27.4	0.8	702.9	23		8.0						
0722547	WS5 0.7-1.0	47										17		7.9						
0722548	WS6 0.2-0.5	168	16.5	0.29	16.4*	43.5	46.9	<0.1	16.5	<0.5	90.4	18		7.9						
TES Bretby PO Box 100, Bretby Business Park, Burton-on-Trent, Staffordshire, DE15 0XD Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422		Client Name		Ground Investigation Ltd							Soils Sample Analysis				TES Bretby					
		Contact		Mr R Colwill							Date Printed		31-Aug-07							
		Neath Abbey									Report Number		EFS/073716							
											Table Number		1							

Units : Method Codes : Method Reporting Limits : UKAS Accredited :		% M/M	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	%	% M/M								
		FOCS	GROHSA	ICPBOR	PAHMSUS	SEN9	SFAPI	SFAPI	TSBRE1	WSLM59								
		0.04	0.1	0.5	0.08		0.5	0.5	0.005	0.02								
		no	no	no	no	no	no	no	no	no								
TES ID Number	CL/ Client Sample Description	S.O.M. % (Calc)	GRO (AA)	Boron (H2O Soluble)	PAH by MS.16(0.08)	Asbestos (screening)	Cyanide(Total) (AR)	Phenol Index (AR)	Total Sulphur.	F.O.C. %								
0722549	TP1 0.15	1.91		<0.5	Req	NBFO	<0.5	0.5	0.017	1.11								
0722550	TP3 0.3	1.84		<0.5	Req	NBFO	<0.5	0.5	0.010	1.07								
0722551	TP3 0.8	1.98		<0.5	Req		<0.5	0.5	0.018	1.15								
0722552	TP5 0.2	10.70	Req	<0.5	Req	NBFO	<0.5	0.6	0.044	6.21								
0722553	TP5 2.0								0.018									
0722554	TP6 0.2	13.59		<0.5	Req	NBFO	<0.5	0.7	0.089	7.88								
0722555	TP6 1.6								0.023									
0722539	WS1 0.5-1.0	6.24	Req	5.6	Req		<0.5	3.4	0.040	3.62								
0722540	WS1 1.0-1.6								0.006									
0722541	WS2 0.4-1.0	0.95		<0.5	Req		<0.5	0.9	0.022	0.55								
0722542	WS2 1.0-1.5								0.026									
0722543	WS3 1.0-1.5								0.015									
0722544	WS4 0.4-1.0	0.83	Req	<0.5	Req	NBFO	<0.5	0.7	<0.005	0.48								
0722545	WS5 0.2-0.7	30.69		0.8	Req		<0.5	0.6	0.081	17.8								
0722547	WS5 0.7-1.0								0.015									
0722548	WS6 0.2-0.5	6.64		<0.5	Req		<0.5	<0.5	0.03	3.85								
TES Bretby PO Box 100, Bretby Business Park, Burton-on-Trent, Staffordshire, DE15 0XD Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422		Client Name		Ground Investigation Ltd							Soils Sample Analysis						TES Bretby	
		Contact		Mr R Colwill							Date Printed		31-Aug-07					
		Neath Abbey									Report Number		EFS/073716					
											Table Number		1					

Gasoline Range Organics (BTEX and Aliphatic Carbon Ranges)

Customer and Site Details: Ground Investigation Ltd: Neath Abbey
Job Number: S07_3716
Directory: 0823HSA.GC6
Method: Headspace GCFID

Matrix:	Soil
Date Booked in:	10-Aug-07
Date extracted:	23-Aug-07
Date Analysed:	29-Aug-07

*** Sample data with an asterisk are not UKAS accredited.**

[illegible]

Note: Benzene elutes between C6 and C7, toluene elutes between C7 and C8, ethyl benzene and the xylenes elute between C8 and C9. Xylenes have been deducted from the C8-C10 band to give the aliphatic fraction, however aromatic compounds may still be contributing to this fraction.

Polycyclic Aromatic Hydrocarbons

GC/MS (SIM)

Customer and Site Details:	Ground Investigation Ltd: Neath Abbey		
Sample Details:	WS1 0.5-1.0	Job Number:	S07_3716
LIMS ID Number:	CL0722539	Date Booked in:	10-Aug-07
QC Batch Number:	2468	Date Extracted:	20-Aug-07
Quantitation File:	0821CCC3.D	Date Analysed:	23-Aug-07
Directory:	0821ABN.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: No

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	-	< 0.08	-
Anthracene	120-12-7	-	< 0.08	-
Fluoranthene	206-44-0	-	< 0.08	-
Pyrene	129-00-0	-	< 0.08	-
Benzo[a]anthracene	56-55-3	-	< 0.08	-
Chrysene	218-01-9	-	< 0.08	-
Benzo[b]fluoranthene	205-99-2	-	< 0.08	-
Benzo[k]fluoranthene	207-08-9	-	< 0.08	-
Benzo[a]pyrene	50-32-8	-	< 0.08	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.08	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.08	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.08	-
Total (USEPA16) PAHs	-	-	< 1.28	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	81
Acenaphthene-d10	77
Phenanthrene-d10	85
Chrysene-d12	69
Perylene-d12	64

Surrogates	% Rec
Nitrobenzene-d5	N.D
2-Fluorobiphenyl	111
Terphenyl-d14	122

Concentrations are reported on a wet 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:	Ground Investigation Ltd: Neath Abbey		
Sample Details:	WS2 0.4-1.0	Job Number:	S07_3716
LIMS ID Number:	CL0722541	Date Booked in:	10-Aug-07
QC Batch Number:	2468	Date Extracted:	20-Aug-07
Quantitation File:	0821CCC3.D	Date Analysed:	23-Aug-07
Directory:	0821ABN.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: No

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	-	< 0.08	-
Anthracene	120-12-7	-	< 0.08	-
Fluoranthene	206-44-0	-	< 0.08	-
Pyrene	129-00-0	-	< 0.08	-
Benzo[a]anthracene	56-55-3	-	< 0.08	-
Chrysene	218-01-9	-	< 0.08	-
Benzo[b]fluoranthene	205-99-2	-	< 0.08	-
Benzo[k]fluoranthene	207-08-9	-	< 0.08	-
Benzo[a]pyrene	50-32-8	-	< 0.08	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.08	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.08	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.08	-
Total (USEPA16) PAHs	-	-	< 1.28	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	95
Acenaphthene-d10	100
Phenanthrene-d10	106
Chrysene-d12	85
Perylene-d12	84

Surrogates	% Rec
Nitrobenzene-d5	N.D
2-Fluorobiphenyl	81
Terphenyl-d14	95

Concentrations are reported on a wet 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:	Ground Investigation Ltd: Neath Abbey		
Sample Details:	WS4 0.4-1.0	Job Number:	S07_3716
LIMS ID Number:	CL0722544	Date Booked in:	10-Aug-07
QC Batch Number:	2468	Date Extracted:	20-Aug-07
Quantitation File:	0821CCC3.D	Date Analysed:	23-Aug-07
Directory:	0821ABN.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: No

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	-	< 0.08	-
Anthracene	120-12-7	-	< 0.08	-
Fluoranthene	206-44-0	-	< 0.08	-
Pyrene	129-00-0	-	< 0.08	-
Benzo[a]anthracene	56-55-3	-	< 0.08	-
Chrysene	218-01-9	-	< 0.08	-
Benzo[b]fluoranthene	205-99-2	-	< 0.08	-
Benzo[k]fluoranthene	207-08-9	-	< 0.08	-
Benzo[a]pyrene	50-32-8	-	< 0.08	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.08	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.08	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.08	-
Total (USEPA16) PAHs	-	-	< 1.28	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	94
Acenaphthene-d10	90
Phenanthrene-d10	103
Chrysene-d12	84
Perylene-d12	80

Surrogates	% Rec
Nitrobenzene-d5	N.D
2-Fluorobiphenyl	94
Terphenyl-d14	98

Concentrations are reported on a wet 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:	Ground Investigation Ltd: Neath Abbey		
Sample Details:	WS5 0.2-0.7	Job Number:	S07_3716
LIMS ID Number:	CL0722545	Date Booked in:	10-Aug-07
QC Batch Number:	2468	Date Extracted:	20-Aug-07
Quantitation File:	0821CCC3.D	Date Analysed:	23-Aug-07
Directory:	0821ABN.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: No

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	6.61	0.26	73
Anthracene	120-12-7	-	< 0.08	-
Fluoranthene	206-44-0	8.49	0.39	63
Pyrene	129-00-0	8.84	0.32	60
Benzo[a]anthracene	56-55-3	10.85	0.16	54
Chrysene	218-01-9	10.91	0.24	79
Benzo[b]fluoranthene	205-99-2	12.56	0.22	58
Benzo[k]fluoranthene	207-08-9	12.58	0.09	59
Benzo[a]pyrene	50-32-8	13.01	0.14	57
Indeno[1,2,3-cd]pyrene	193-39-5	14.51	0.09	M
Dibenzo[a,h]anthracene	53-70-3	-	< 0.08	-
Benzo[g,h,i]perylene	191-24-2	14.83	0.09	M
Total (USEPA16) PAHs	-	-	< 2.48	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	73
Acenaphthene-d10	76
Phenanthrene-d10	81
Chrysene-d12	65
Perylene-d12	62

Surrogates	% Rec
Nitrobenzene-d5	N.D
2-Fluorobiphenyl	107
Terphenyl-d14	128

Concentrations are reported on a wet 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:	Ground Investigation Ltd: Neath Abbey		
Sample Details:	WS6 0.2-0.5	Job Number:	S07_3716
LIMS ID Number:	CL0722548	Date Booked in:	10-Aug-07
QC Batch Number:	2468	Date Extracted:	20-Aug-07
Quantitation File:	0821CCC3.D	Date Analysed:	23-Aug-07
Directory:	0821ABN.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: No

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	6.61	0.09	92
Anthracene	120-12-7	-	< 0.08	-
Fluoranthene	206-44-0	8.49	0.18	63
Pyrene	129-00-0	8.84	0.14	60
Benzo[a]anthracene	56-55-3	10.85	0.09	51
Chrysene	218-01-9	10.91	0.11	M
Benzo[b]fluoranthene	205-99-2	12.56	0.11	58
Benzo[k]fluoranthene	207-08-9	-	< 0.08	-
Benzo[a]pyrene	50-32-8	-	< 0.08	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.08	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.08	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.08	-
Total (USEPA16) PAHs	-	-	< 1.52	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	91
Acenaphthene-d10	93
Phenanthrene-d10	101
Chrysene-d12	81
Perylene-d12	78

Surrogates	% Rec
Nitrobenzene-d5	N.D
2-Fluorobiphenyl	89
Terphenyl-d14	105

Concentrations are reported on a wet 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:	Ground Investigation Ltd: Neath Abbey		
Sample Details:	TP1 0.15	Job Number:	S07_3716
LIMS ID Number:	CL0722549	Date Booked in:	10-Aug-07
QC Batch Number:	2468	Date Extracted:	20-Aug-07
Quantitation File:	0821CCC3.D	Date Analysed:	23-Aug-07
Directory:	0821ABN.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: No

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	-	< 0.08	-
Anthracene	120-12-7	-	< 0.08	-
Fluoranthene	206-44-0	-	< 0.08	-
Pyrene	129-00-0	-	< 0.08	-
Benzo[a]anthracene	56-55-3	-	< 0.08	-
Chrysene	218-01-9	-	< 0.08	-
Benzo[b]fluoranthene	205-99-2	-	< 0.08	-
Benzo[k]fluoranthene	207-08-9	-	< 0.08	-
Benzo[a]pyrene	50-32-8	-	< 0.08	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.08	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.08	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.08	-
Total (USEPA16) PAHs	-	-	< 1.28	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	86
Acenaphthene-d10	89
Phenanthrene-d10	95
Chrysene-d12	78
Perylene-d12	72

Surrogates	% Rec
Nitrobenzene-d5	N.D
2-Fluorobiphenyl	92
Terphenyl-d14	104

Concentrations are reported on a wet 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:	Ground Investigation Ltd: Neath Abbey		
Sample Details:	TP3 0.3	Job Number:	S07_3716
LIMS ID Number:	CL0722550	Date Booked in:	10-Aug-07
QC Batch Number:	2468	Date Extracted:	20-Aug-07
Quantitation File:	0821CCC3.D	Date Analysed:	23-Aug-07
Directory:	0821ABN.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: No

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	-	< 0.08	-
Anthracene	120-12-7	-	< 0.08	-
Fluoranthene	206-44-0	8.49	0.12	63
Pyrene	129-00-0	8.84	0.09	60
Benzo[a]anthracene	56-55-3	-	< 0.08	-
Chrysene	218-01-9	-	< 0.08	-
Benzo[b]fluoranthene	205-99-2	-	< 0.08	-
Benzo[k]fluoranthene	207-08-9	-	< 0.08	-
Benzo[a]pyrene	50-32-8	-	< 0.08	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.08	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.08	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.08	-
Total (USEPA16) PAHs	-	-	< 1.33	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	93
Acenaphthene-d10	96
Phenanthrene-d10	102
Chrysene-d12	83
Perylene-d12	78

Surrogates	% Rec
Nitrobenzene-d5	N.D
2-Fluorobiphenyl	85
Terphenyl-d14	96

Concentrations are reported on a wet 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:	Ground Investigation Ltd: Neath Abbey		
Sample Details:	TP3 0.8	Job Number:	S07_3716
LIMS ID Number:	CL0722551	Date Booked in:	10-Aug-07
QC Batch Number:	2468	Date Extracted:	20-Aug-07
Quantitation File:	0821CCC3.D	Date Analysed:	23-Aug-07
Directory:	0821ABN.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: No

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	-	< 0.08	-
Anthracene	120-12-7	-	< 0.08	-
Fluoranthene	206-44-0	-	< 0.08	-
Pyrene	129-00-0	-	< 0.08	-
Benzo[a]anthracene	56-55-3	-	< 0.08	-
Chrysene	218-01-9	-	< 0.08	-
Benzo[b]fluoranthene	205-99-2	-	< 0.08	-
Benzo[k]fluoranthene	207-08-9	-	< 0.08	-
Benzo[a]pyrene	50-32-8	-	< 0.08	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.08	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.08	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.08	-
Total (USEPA16) PAHs	-	-	< 1.28	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	91
Acenaphthene-d10	95
Phenanthrene-d10	108
Chrysene-d12	89
Perylene-d12	82

Surrogates	% Rec
Nitrobenzene-d5	N.D
2-Fluorobiphenyl	89
Terphenyl-d14	100

Concentrations are reported on a wet 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:	Ground Investigation Ltd: Neath Abbey		
Sample Details:	TP5 0.2	Job Number:	S07_3716
LIMS ID Number:	CL0722552	Date Booked in:	10-Aug-07
QC Batch Number:	2468	Date Extracted:	20-Aug-07
Quantitation File:	0821CCC3.D	Date Analysed:	23-Aug-07
Directory:	0821ABN.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: No

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	2.72	0.20	76
Acenaphthylene	208-96-8	4.38	0.18	75
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	5.26	0.19	86
Phenanthrene	85-01-8	6.61	1.48	97
Anthracene	120-12-7	6.68	0.34	98
Fluoranthene	206-44-0	8.49	2.23	63
Pyrene	129-00-0	8.84	1.66	60
Benzo[a]anthracene	56-55-3	10.85	0.79	59
Chrysene	218-01-9	10.91	1.01	95
Benzo[b]fluoranthene	205-99-2	12.56	0.83	86
Benzo[k]fluoranthene	207-08-9	12.57	0.77	88
Benzo[a]pyrene	50-32-8	13.01	0.70	91
Indeno[1,2,3-cd]pyrene	193-39-5	14.51	0.40	M
Dibenzo[a,h]anthracene	53-70-3	14.55	0.13	64
Benzo[g,h,i]perylene	191-24-2	14.83	0.36	60
Total (USEPA16) PAHs	-	-	< 11.35	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	128
Acenaphthene-d10	124
Phenanthrene-d10	137
Chrysene-d12	115
Perylene-d12	111

Surrogates	% Rec
Nitrobenzene-d5	N.D
2-Fluorobiphenyl	66
Terphenyl-d14	71

Concentrations are reported on a wet 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:	Ground Investigation Ltd: Neath Abbey		
Sample Details:	TP6 0.2	Job Number:	S07_3716
LIMS ID Number:	CL0722554	Date Booked in:	10-Aug-07
QC Batch Number:	2468	Date Extracted:	20-Aug-07
Quantitation File:	0821CCC3.D	Date Analysed:	23-Aug-07
Directory:	0821ABN.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: No

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	6.61	0.55	95
Anthracene	120-12-7	6.68	0.15	96
Fluoranthene	206-44-0	8.49	0.93	65
Pyrene	129-00-0	8.84	0.77	60
Benzo[a]anthracene	56-55-3	10.85	0.42	M
Chrysene	218-01-9	10.91	0.55	87
Benzo[b]fluoranthene	205-99-2	12.56	0.68	78
Benzo[k]fluoranthene	207-08-9	12.59	0.25	79
Benzo[a]pyrene	50-32-8	13.01	0.44	75
Indeno[1,2,3-cd]pyrene	193-39-5	14.51	0.31	M
Dibenzo[a,h]anthracene	53-70-3	14.55	0.13	52
Benzo[g,h,i]perylene	191-24-2	14.83	0.28	73
Total (USEPA16) PAHs	-	-	< 5.78	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	78
Acenaphthene-d10	83
Phenanthrene-d10	90
Chrysene-d12	76
Perylene-d12	71

Surrogates	% Rec
Nitrobenzene-d5	N.D
2-Fluorobiphenyl	98
Terphenyl-d14	112

Concentrations are reported on a wet weight basis.

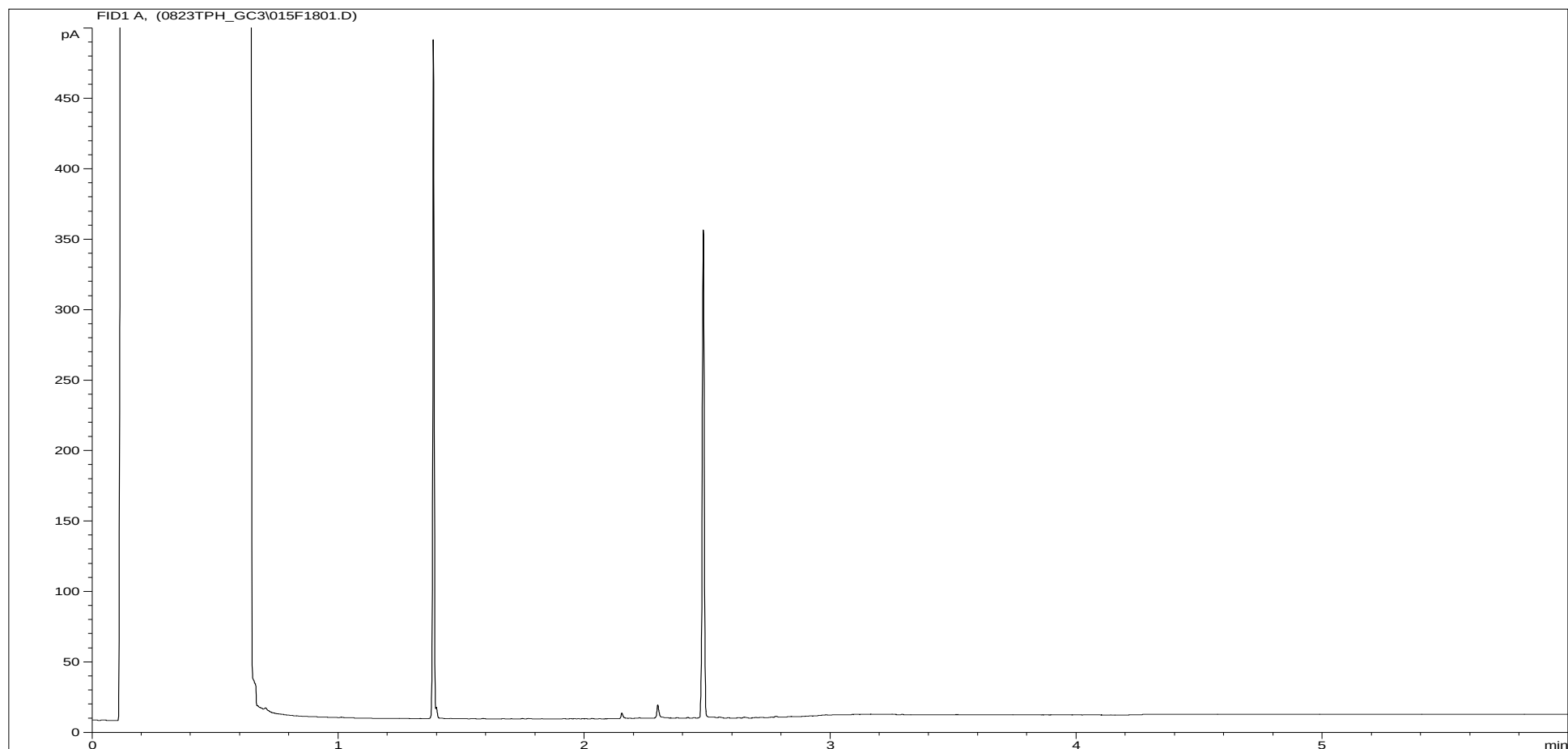
The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration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

ALIPHATIC / AROMATIC FRACTION BY GC/FID

Customer and Site Details:	Ground Investigation Ltd : Neath Abbey		Matrix:	Soil
Job Number:	S07_3716	Separation:	Silica gel	Date Booked in: 10-Aug-07
QC Batch Number:	72491	Eluents:	Hexane, DCM	Date Extracted: 21-Aug-07
Directory:	E:\GC\TES\DATA\Y2007\0823TPH_GC3\067B2001.D			Date Analysed: 23-Aug-07
Method:	Ultra Sonic			

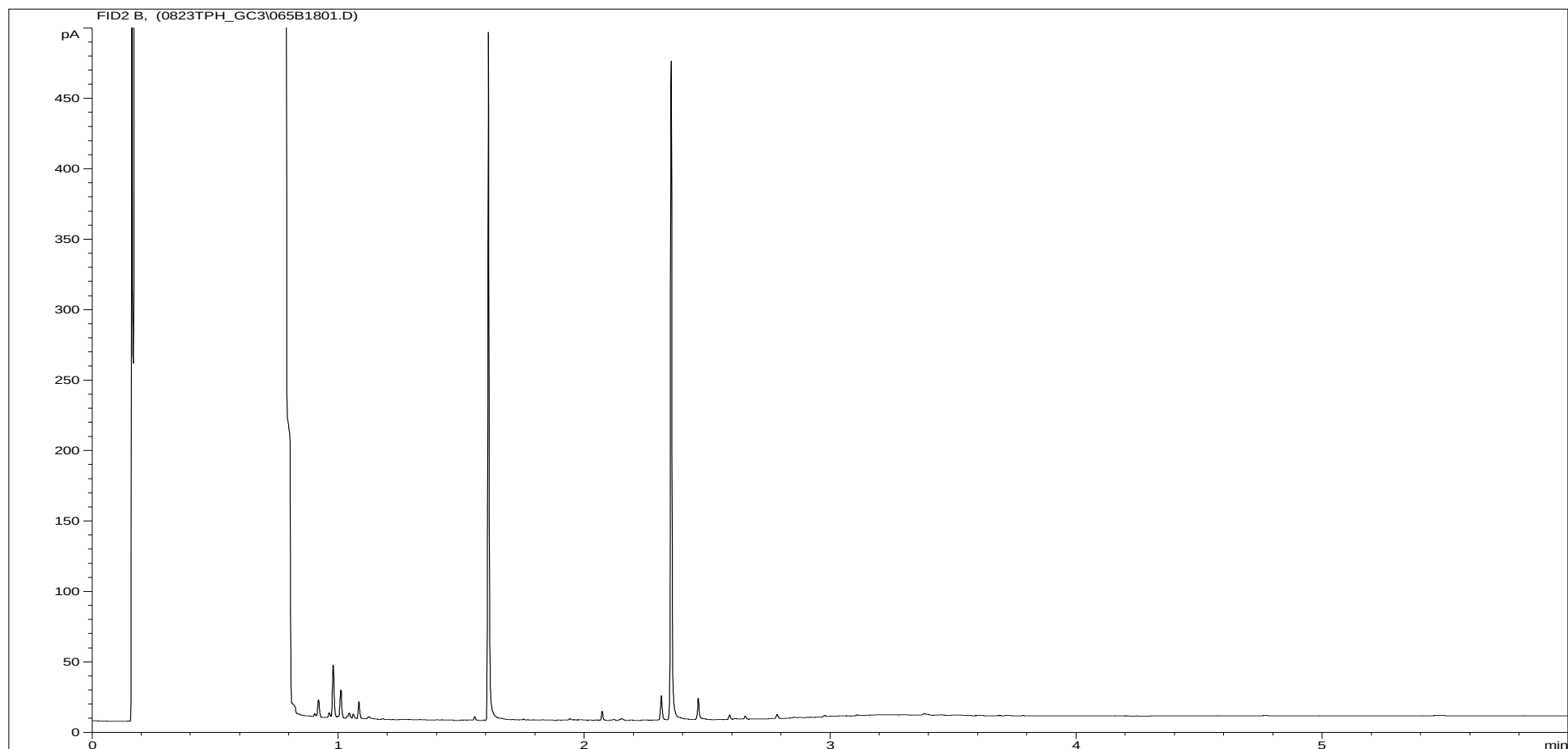
[illegible]

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



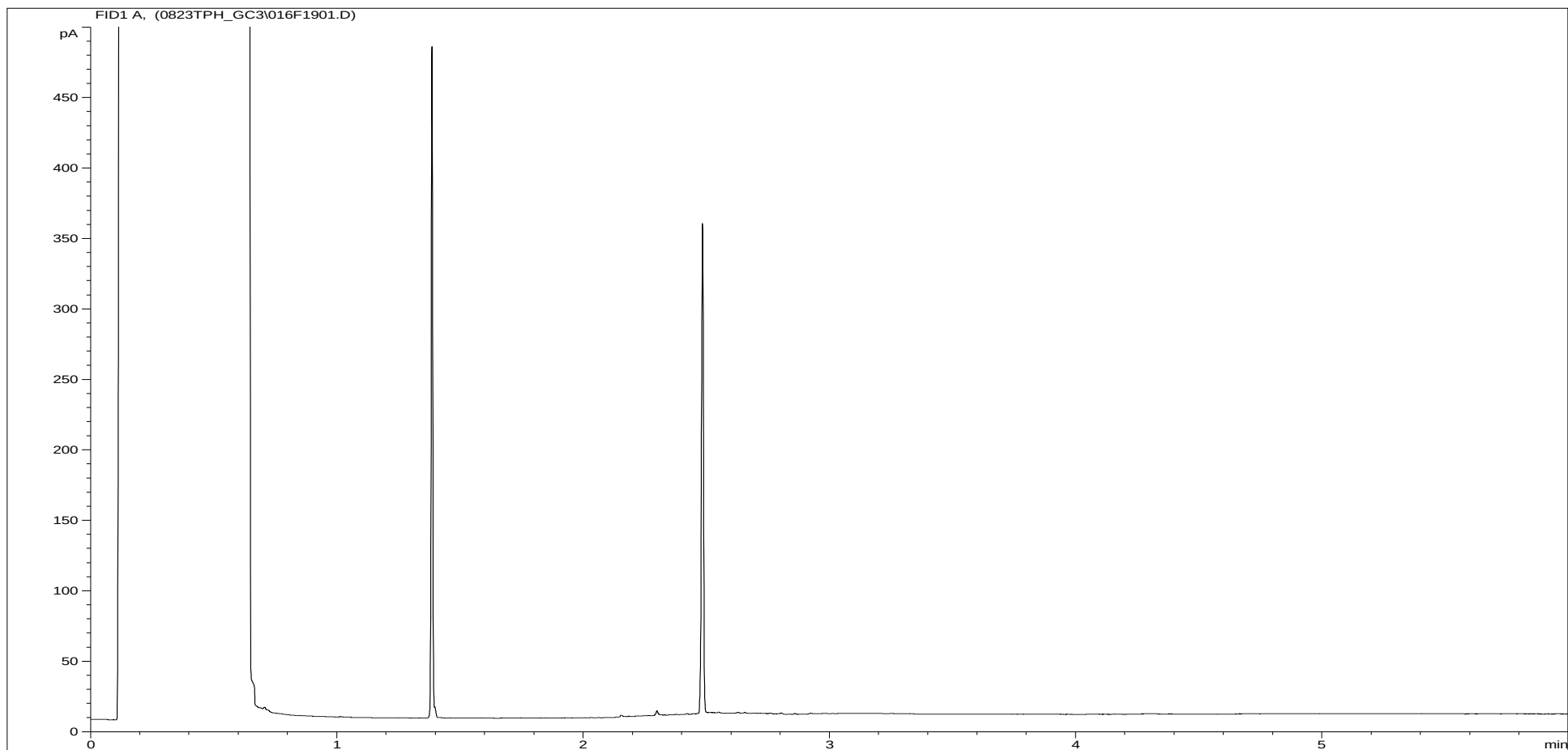
Sample ID:	CL0722539ALI	Job Number:	S07_3716
Multiplier:	14.82	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Neath Abbey
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS1 0.5-1.0
Acquisition Date/Time:	23-Aug-07		
Datafile:	E:\GC\TES\DATA\Y2007\0823TPH_GC3\015F1801.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



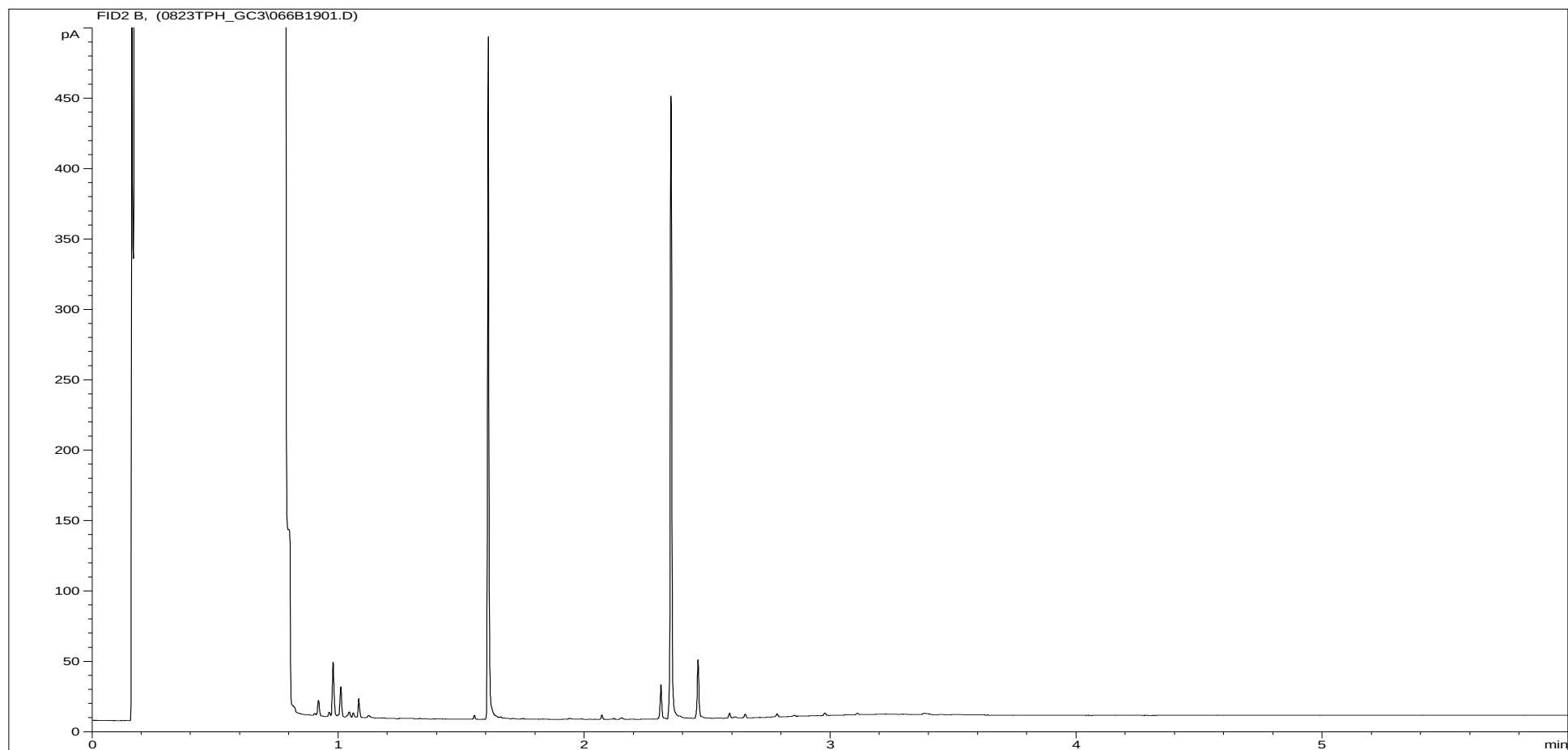
Sample ID:	CL0722539ARO	Job Number:	S07_3716
Multiplier:	11.4	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Neath Abbey
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS1 0.5-1.0
Acquisition Date/Time:	23-Aug-07		
Datafile:	E:\GC\TES\DATA\Y2007\0823TPH_GC3\065B1801.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



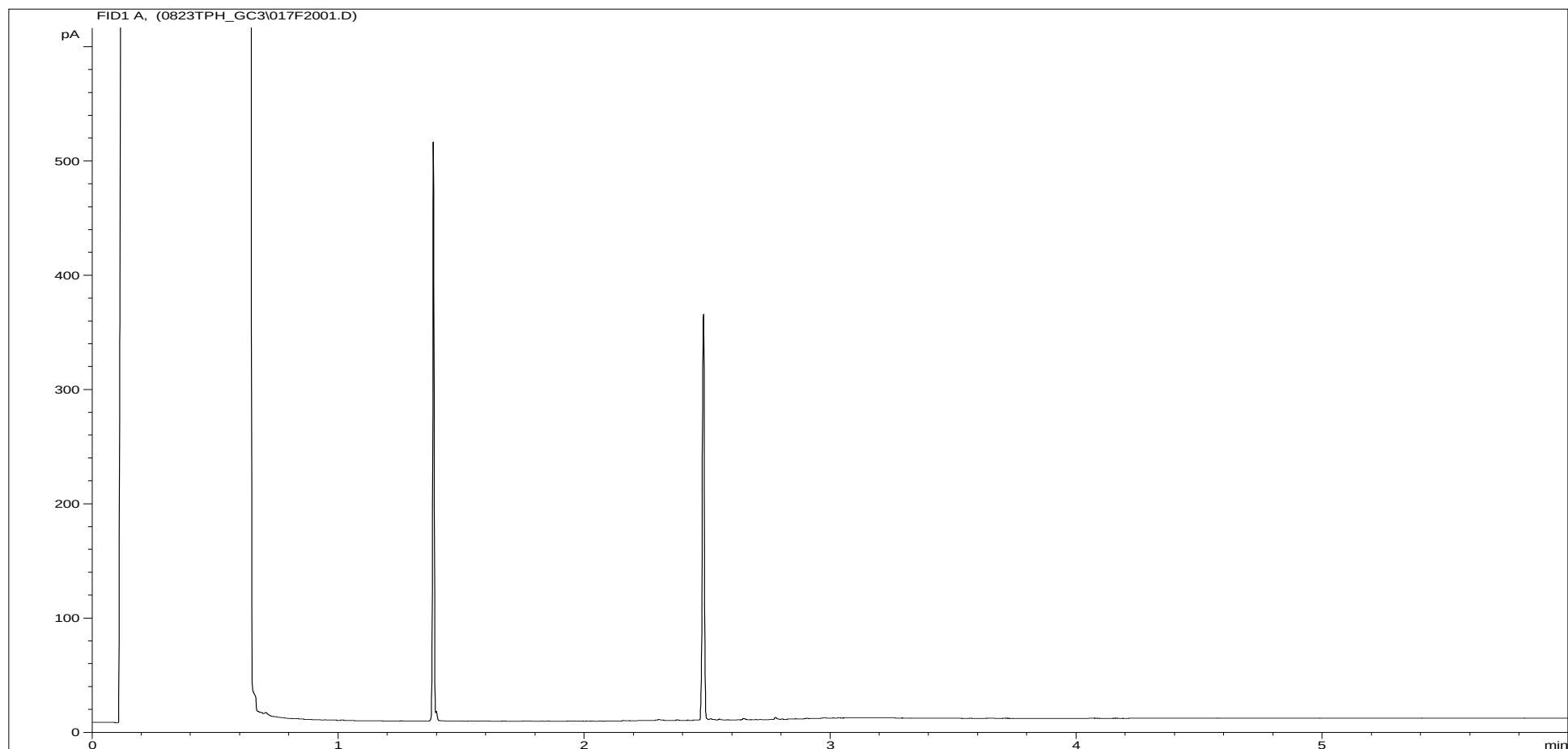
Sample ID:	CL0722544ALI	Job Number:	S07_3716
Multiplier:	14.82	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Neath Abbey
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS4 0.4-1.0
Acquisition Date/Time:	23-Aug-07		
Datafile:	E:\GC\TES\DATA\Y2007\0823TPH_GC3\016F1901.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



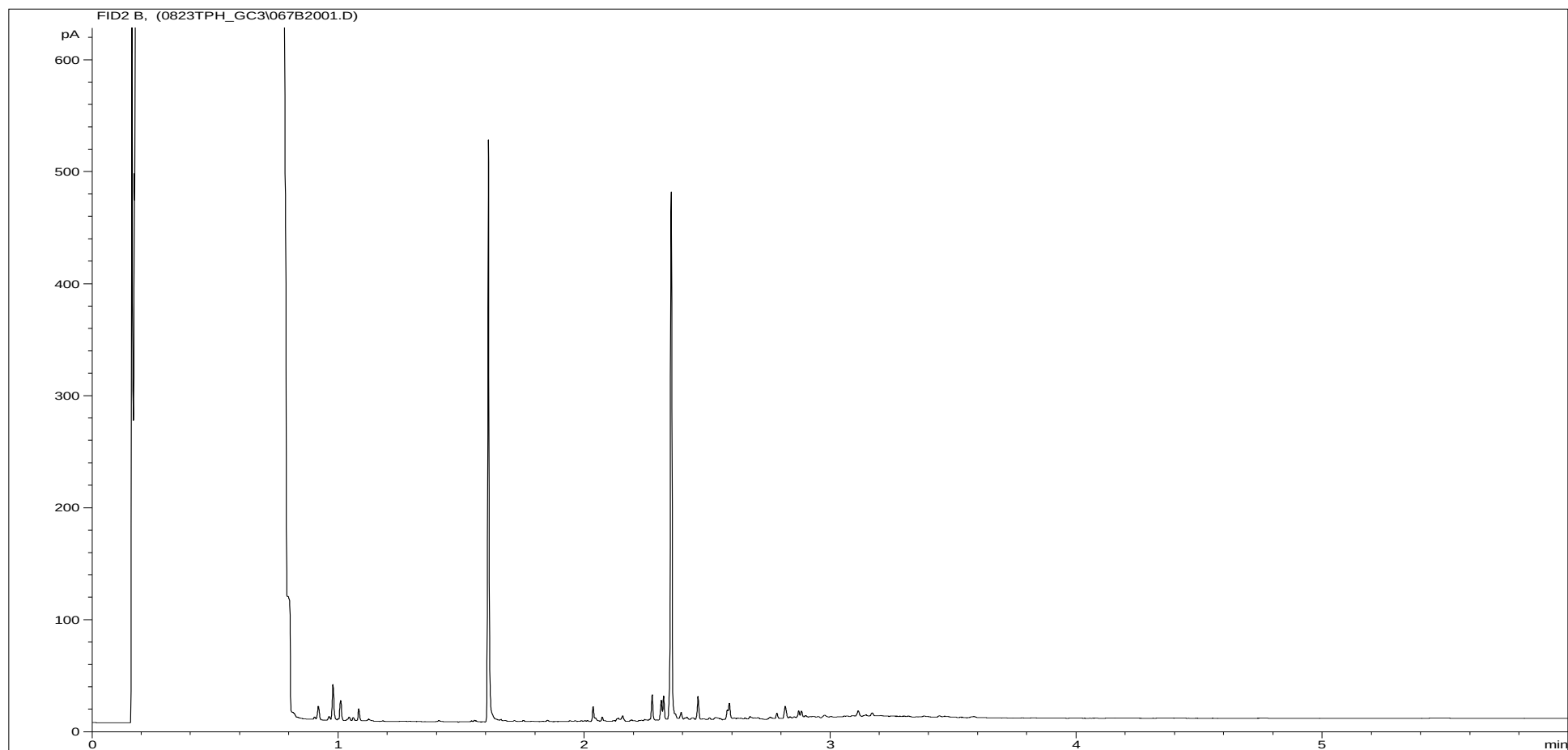
Sample ID:	CL0722544ARO	Job Number:	S07_3716
Multiplier:	11.4	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Neath Abbey
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS4 0.4-1.0
Acquisition Date/Time:	23-Aug-07		
Datafile:	E:\GC\TES\DATA\Y2007\0823TPH_GC3\066B1901.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL0722552ALI	Job Number:	S07_3716
Multiplier:	14.82	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Neath Abbey
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	TP5 0.2
Acquisition Date/Time:	23-Aug-07		
Datafile:	E:\GC\TES\DATA\Y2007\0823TPH_GC3\017F2001.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID:	CL0722552ARO	Job Number:	S07_3716
Multiplier:	11.4	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Neath Abbey
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	TP5 0.2
Acquisition Date/Time:	23-Aug-07		
Datafile:	E:\GC\TES\DATA\Y2007\0823TPH_GC3\067B2001.D		

Report Notes

Soil/Solid analysis specific:

Results expressed as mg/kg on an air dried basis unless stated otherwise
S04 analysis not conducted in accordance with BS1377 unless otherwise stated
Water Soluble Sulphate on 2:1 water:soil extract
AR denotes analysis conducted on the As Received sample

Water analysis specific:

Results expressed as mg/l unless stated otherwise

Oil analysis specific:

Results expressed as mg/kg unless stated otherwise
S.G. expressed as g/cm³ @ 15°C

Filter analysis specific:

Results expressed as mg on filter unless stated otherwise

VOC analysis specific:

Explanatory notes for data flagging
U = undetected above reporting limit
J = concentration at instrument was below lowest calibration standard
E = concentration at instrument was above top calibration standard
B = compound was detected in method blank

Gas (Tedlar bag) analysis specific:

Results expressed as ug/l unless stated otherwise

Air (Carbon tube) analysis specific:

Results expressed as ug on tube unless stated otherwise

Asbestos analysis specific:

CH denotes Chrysotile
CR denotes Crocidolite
AM denotes Amosite
NADIS denotes No Asbestos Detected in Sample
NBFO denotes No Bulk fibres Observed

General notes:

^ this analysis was subcontracted to another laboratory
\$ Within laboratory tolerances
\$\$ unable to analyse due to nature of sample
¥ Results for guidance only, possible interference
& Blank corrected
I.S insufficient sample for analysis
Intf Unable to analyse due to interferences
N.D Not determined
N.R Not recorded
N.Det Not detected
Req Analysis Requested, see attached sheets for results
p Raised detection limit due to nature of sample
***** denotes that all accreditation has been removed by the laboratory for this result.
‡ denotes that Mcerts accreditation has been removed by the laboratory 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 you require further details of the circumstances leading to the removal of the accreditation from any data item please do not hesitate to contact the laboratory

END OF REPORT

APPENDIX I

Geotechnical Laboratory Test Results



LABORATORY REPORT



Contract Number: GEO/4578/07

Client's Reference: 641 Report Date: 15 August 2007

Client Name: Ground Investigation Limited

6 New Mill Court
Llys Felin Newydd Enterprise Park
Swansea Carms
SA7 9FG

Contract Title: Neath Abbey
For the attention of; Richard Colwill

Date Received: 08/08/07
Date Commenced: 08/08/07
Date Completed: 15/08/07

Notes: **Observations and Interpretations are outside the UKAS Accreditation**
* Denotes test not included in laboratory scope of accreditation
\$ Denotes test carried out by approved contractor

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced in full, without the prior written approval of the laboratory.

Approved Signatories: D V Edwards (Managing Director)
Alun Walters (Technical Manager)
L R Evans (Technical Co-Ordinator).

Unit 1a Bynea Business Park . Bynea .
Llanelli, Carmarthenshire . SA14 9SU
tel: +44 (0)1554 757734
fax: +44 (0)1554 775107
e-mail: info@geolab.org.uk

Page 1 of 9

Summary of Laboratory Sample Descriptions

[illegible]

***: not included in laboratory scope of accreditation**

Note: Results on this table are in summary format and may not meet the requirements of the relevant standards, additional information is held by the laboratory

Checked by

15/08/23
Date

Approved by _____

15/08/57
Date



LABORATORY TESTING SERVICES LIMITED

Neath Abbey

Contract No.:

GEO/4578/07

Client ref:

641

Summary of Soil Classification Tests

BS 1377:Part 2:1990

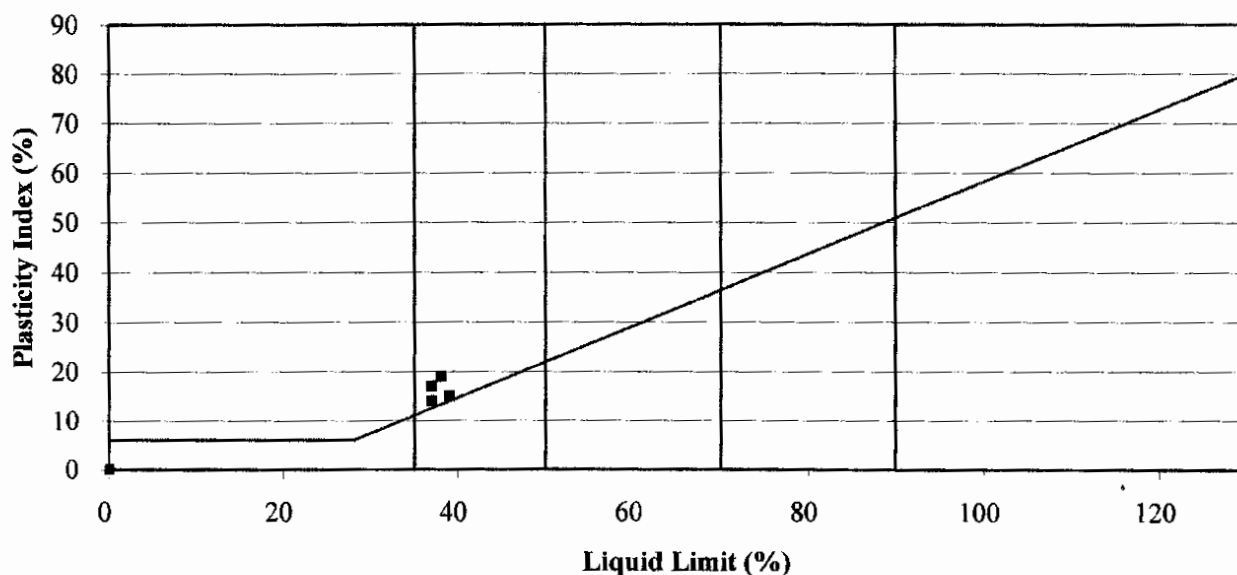
Hole/ Sample Number	Sample Type	Depth m	Moisture Content % Cl. 3.2	Liquid Limit % Cl. 4.3/4.4	Plastic Limit % Cl. 5.	Plasticity Index % Cl. 6.	% Passing .425mm	Remarks
WS6	D	0.50-1.00	23	37	23	14	98	CI Intermediate Plasticity
TP1	D	0.60	22.0	37	20	17	99	CI Intermediate Plasticity
TP2	D	1.00	19	38	19	19	60	CI Intermediate Plasticity
TP4	D	2.00	19.0	39	24	15	50	CI Intermediate Plasticity

Symbols:

NP : Non Plastic # : Liquid Limit and Plastic Limit Wet Sieved

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.

BS 5930:1999



Checked by *[Signature]*

Date 15/08/07

Approved by *[Signature]*

Date 15/08/07



Neath Abbey

Contract No.:
GEO/4578/07
Client Ref No:
p641



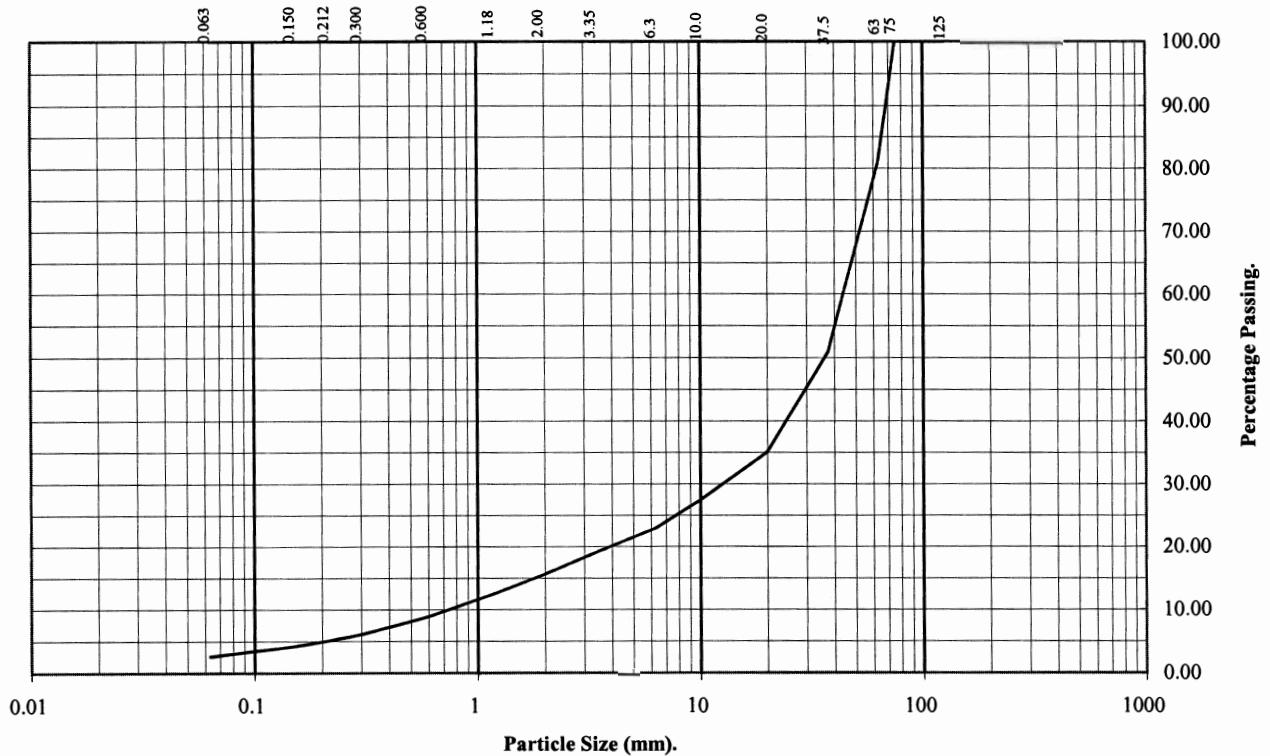
PARTICLE SIZE DISTRIBUTION TEST

BS 1377:Part 2:1990.

Wet sieve Clause 9.2

Hole Number: TP1

Depth (m): 1.00-1.50



BS Test Sieve	Percentage Passing
125	100
75	100
63	81
37.5	51
20	35
10	27
6.3	23
3.35	19
2	16
1.18	12
0.6	9
0.3	6
0.212	5
0.15	4
0.063	3

Soil Fraction	Total Percentage
Cobbles	19
Gravel	65
Sand	13
Silt and Clay	3

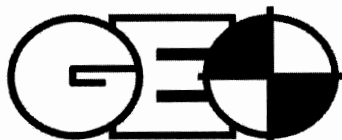
Remarks:

Checked by 

15/08/07
Date

Approved by 

15/08/07
Date



LABORATORY TESTING SERVICES LIMITED

GEO/004-1

Dec 05

Neath Abbey

Issue No 1.2

Contract No.:
GEO/4578/07
Client Ref No:
P641



Page 4 of 9

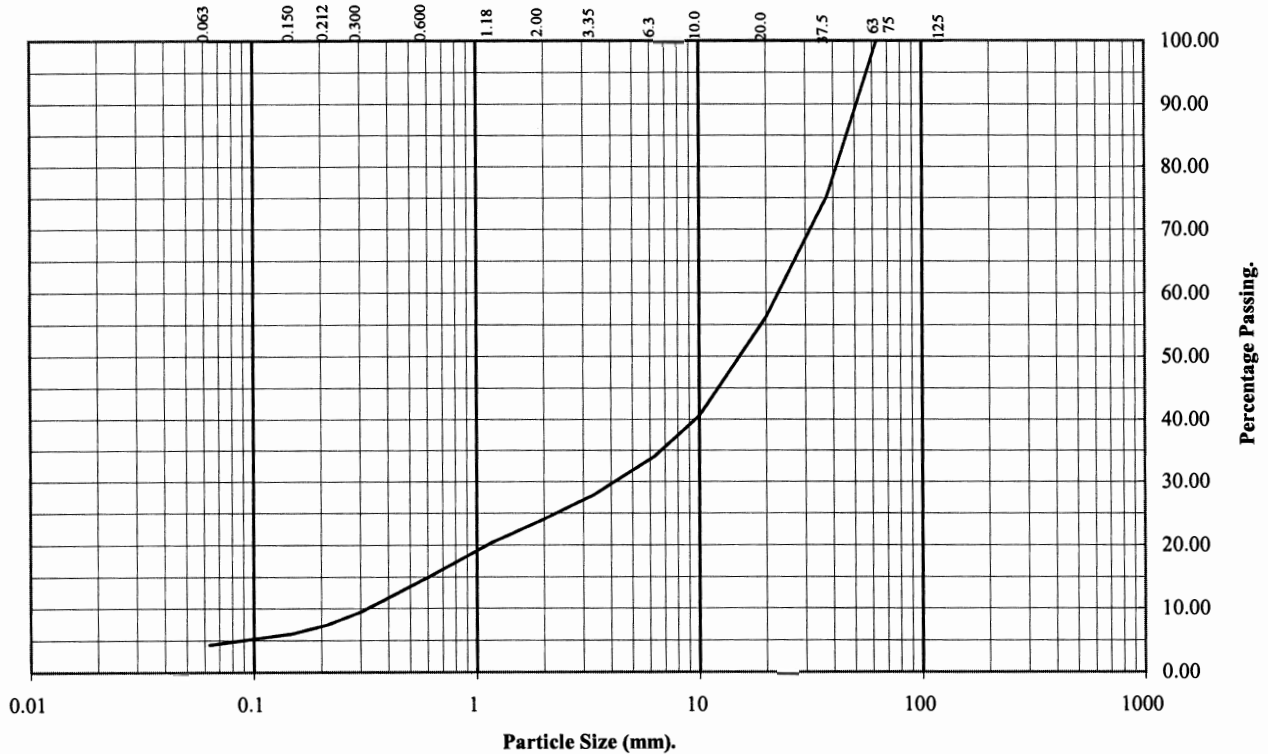
PARTICLE SIZE DISTRIBUTION TEST

BS 1377:Part 2:1990.

Wet sieve Clause 9.2

Hole Number: TP2

Depth (m): 2.50-3.00



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	75
20	56
10	41
6.3	34
3.35	28
2	24
1.18	20
0.6	15
0.3	9
0.212	7
0.15	6
0.063	4

Soil Fraction	Total Percentage
Cobbles	0
Gravel	76
Sand	20
Silt and Clay	4

Remarks:

Checked by *[Signature]*

Date 15/08/07

Approved by *[Signature]*

Date 15/08/07



LABORATORY TESTING SERVICES LIMITED

GEO/004-1

Dec 05

Neath Abbey

Issue No 1.2

Contract No.:
GEO/4578/07
Client Ref No:
P641



Page 5 of 9

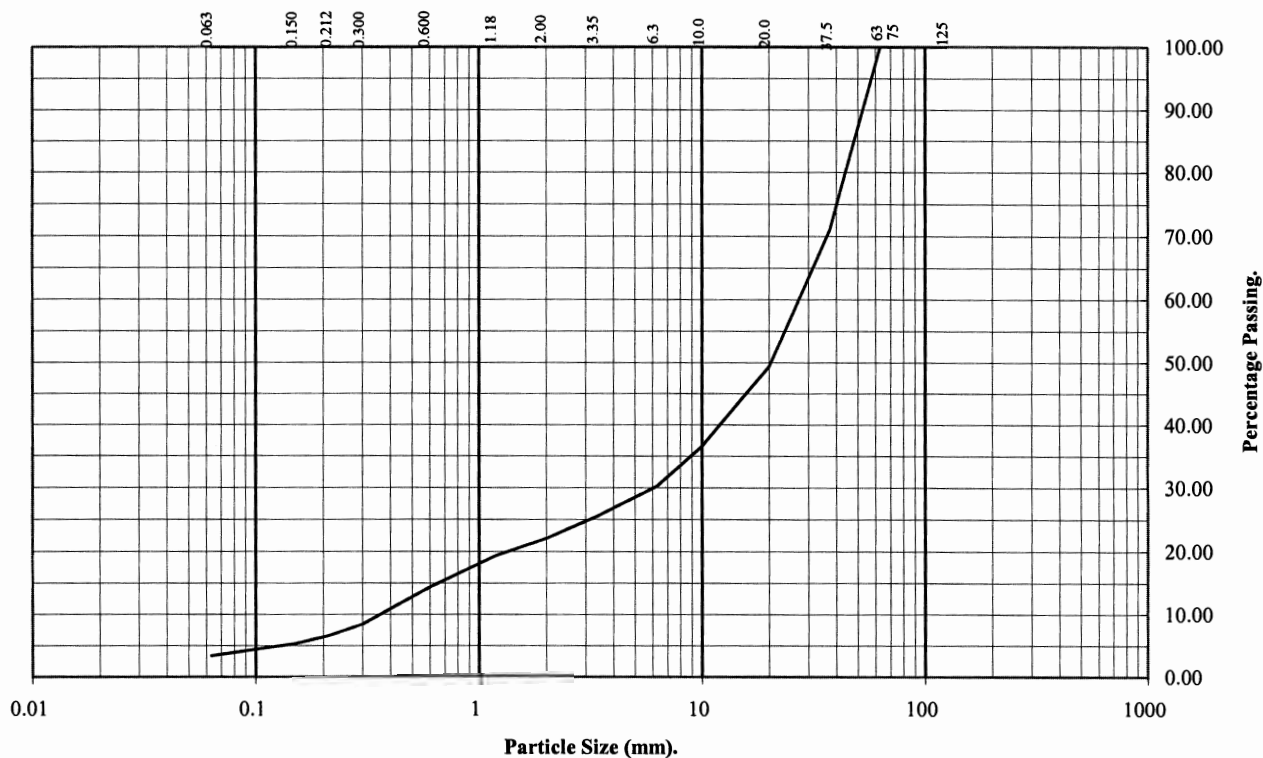
PARTICLE SIZE DISTRIBUTION TEST

BS 1377:Part 2:1990.

Wet sieve Clause 9.2

Hole Number: TP3

Depth (m): 1.50-2.00



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	71
20	49
10	37
6.3	30
3.35	25
2	22
1.18	19
0.6	14
0.3	8
0.212	7
0.15	5
0.063	3

Soil Fraction	Total Percentage
Cobbles	0
Gravel	78
Sand	19
Silt and Clay	3

Remarks:

Checked by *[Signature]*

Date 15/08/07

Approved by *[Signature]*

Date 15/08/07



LABORATORY TESTING SERVICES LIMITED

GEO/004-1

Dec 05

Neath Abbey

Issue No 1.2

Contract No.:

GEO/4578/07

Client Ref No:

P641



Page 6 of 9

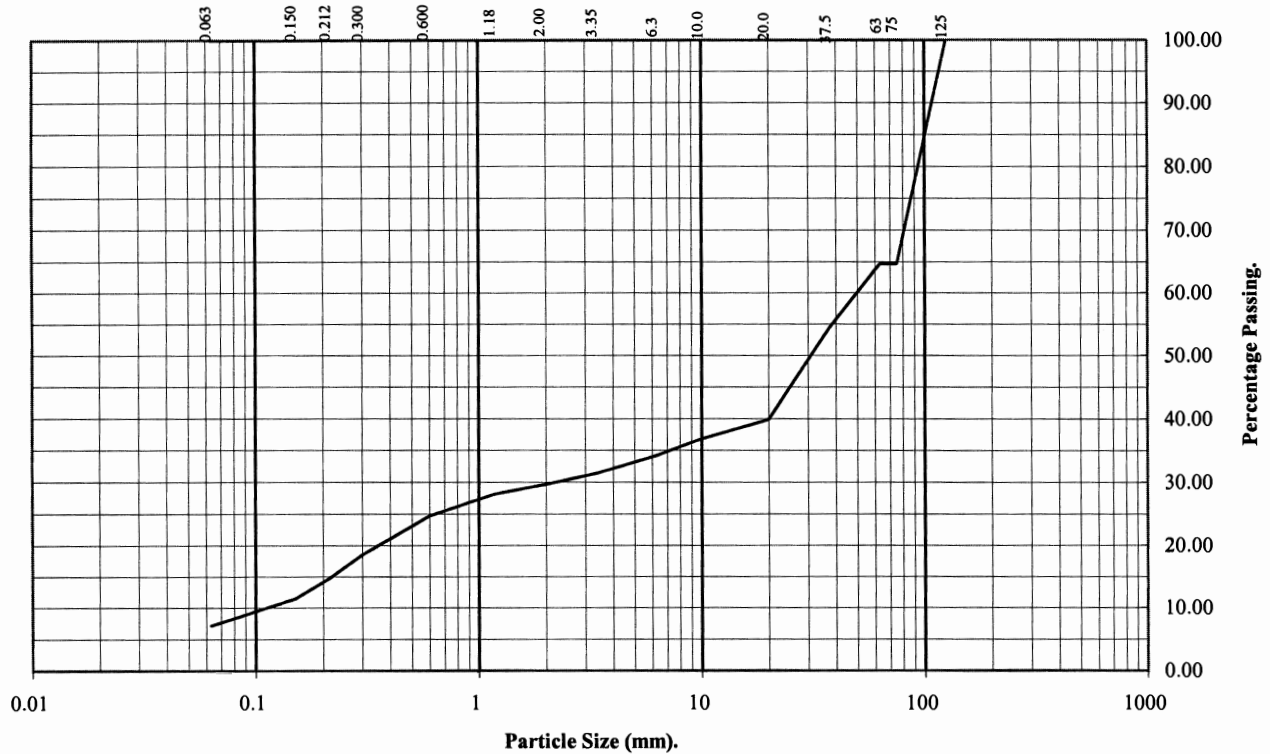
PARTICLE SIZE DISTRIBUTION TEST

BS 1377:Part 2:1990.

Wet sieve Clause 9.2

Hole Number: TP4

Depth (m): 2.50-3.00



BS Test Sieve	Percentage Passing
125	100
75	65
63	65
37.5	54
20	40
10	37
6.3	34
3.35	31
2	30
1.18	28
0.6	25
0.3	19
0.212	15
0.15	11
0.063	7

Soil Fraction	Total Percentage
Cobbles	35
Gravel	35
Sand	23
Silt and Clay	7

Remarks:

Checked by 

Date 15/08/07

Approved by 

Date 15/08/07



LABORATORY TESTING SERVICES LIMITED

GEO/004-1

Dec 05

Neath Abbey

Issue No 1.2

Contract No.:
GEO/4578/07
Client Ref No:
P641



Page 1 of 1

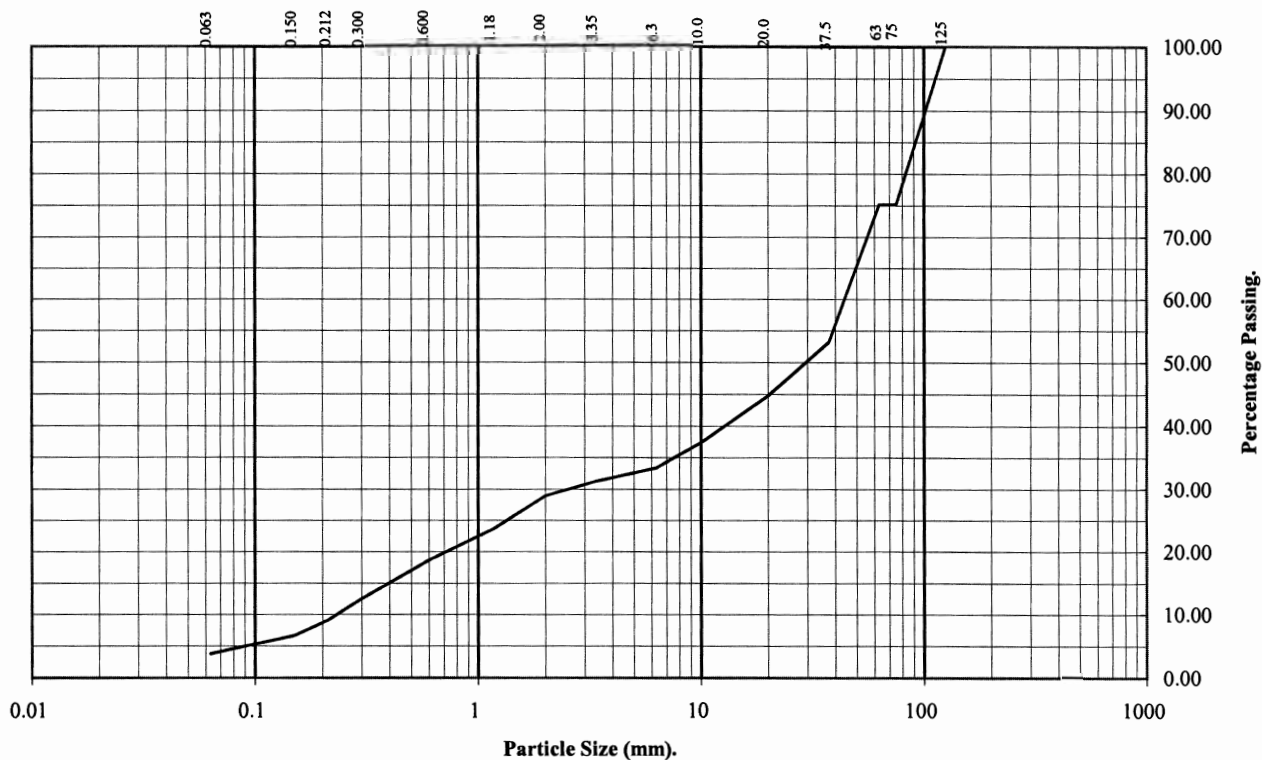
PARTICLE SIZE DISTRIBUTION TEST

BS 1377:Part 2:1990.

Wet sieve Clause 9.2

Hole Number: TP5

Depth (m): 0.50-1.50



BS Test Sieve	Percentage Passing
125	100
75	75
63	75
37.5	53
20	45
10	37
6.3	33
3.35	31
2	29
1.18	24
0.6	19
0.3	12
0.212	9
0.15	7
0.063	4

Soil Fraction	Total Percentage
Cobbles	25
Gravel	46
Sand	25
Silt and Clay	4

Remarks:

Checked by *[Signature]*

Date *15/08/07*

Approved by *[Signature]*

Date *15/08/07*



LABORATORY TESTING SERVICES LIMITED

GEO/004-1

Dec 05

Neath Abbey

Issue No 1.2

Contract No.:
GEO/4578/07
Client Ref No:
P641



Page 2 of 2

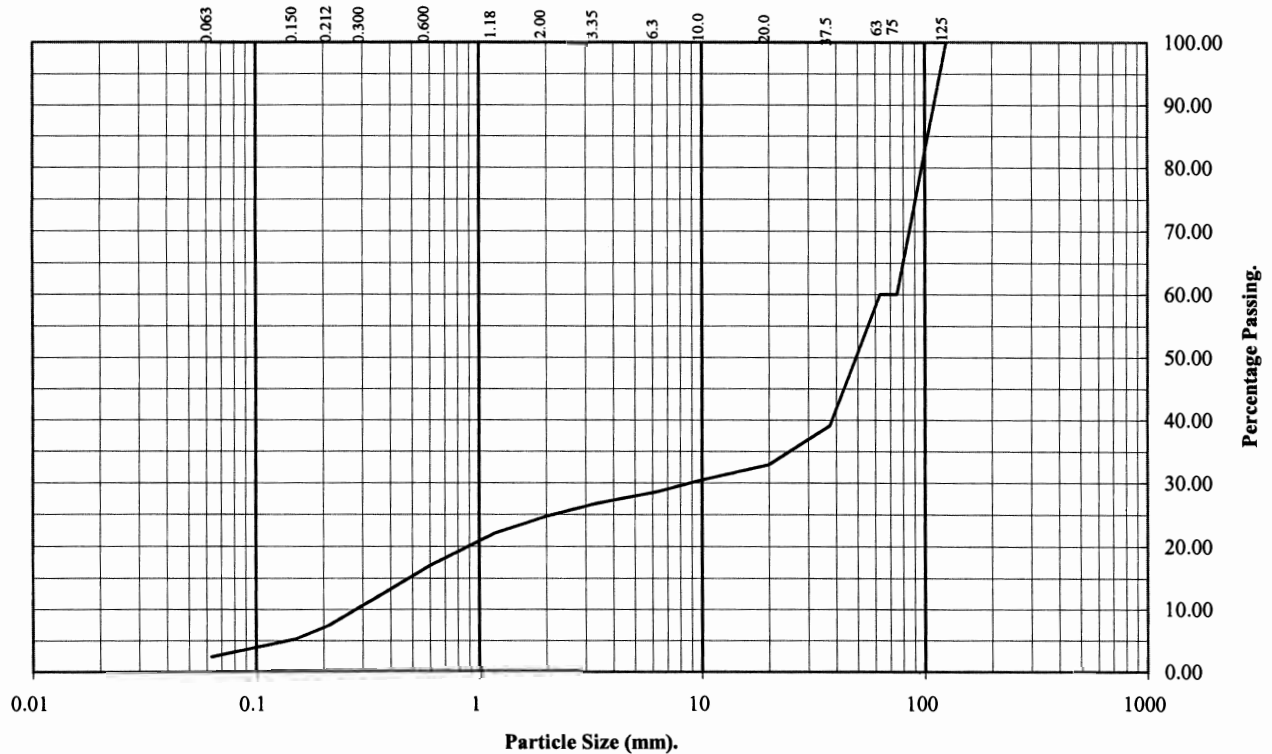
PARTICLE SIZE DISTRIBUTION TEST

BS 1377:Part 2:1990.

Wet sieve Clause 9.2

Hole Number: TP6

Depth (m): 0.50-1.00



BS Test Sieve	Percentage Passing
125	100
75	60
63	60
37.5	39
20	33
10	30
6.3	29
3.35	27
2	25
1.18	22
0.6	17
0.3	11
0.212	7
0.15	5
0.063	2

Soil Fraction	Total Percentage
Cobbles	40
Gravel	35
Sand	23
Silt and Clay	2

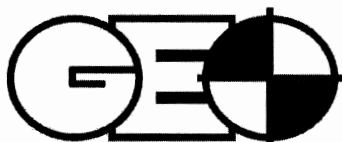
Remarks:

Checked by 

Date 15/08/07

Approved by 

Date 15/08/07



LABORATORY TESTING SERVICES LIMITED

GEO/004-1

Dec 05

Neath Abbey

Issue No 1.2

Contract No.:
GEO/4578/07
Client Ref No:
P641



Page 9 of 9