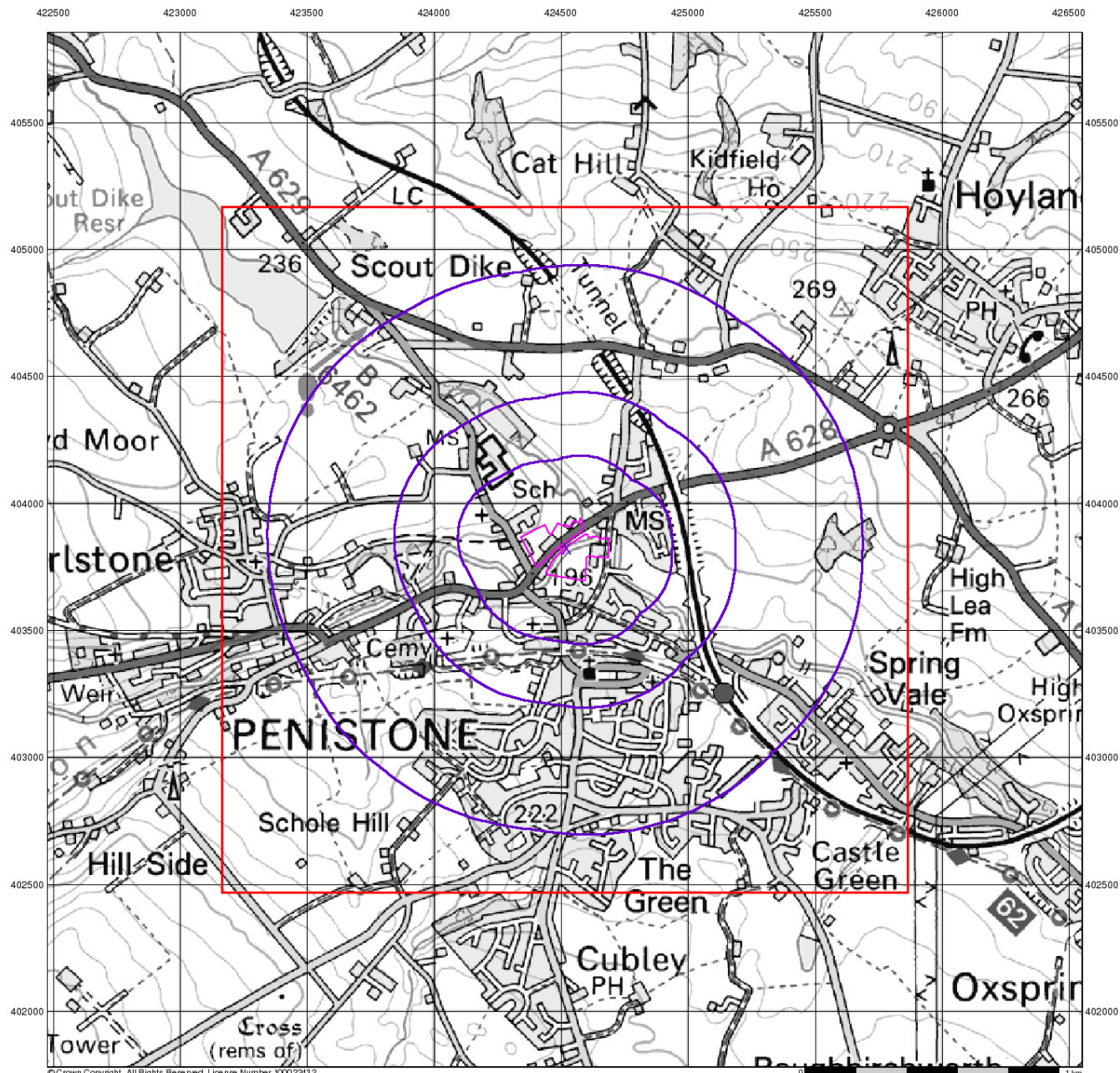




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Source Protection Zones

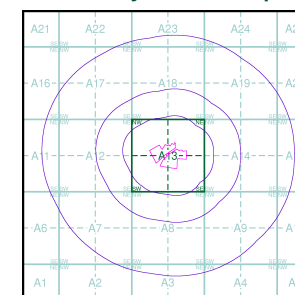
General

- 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

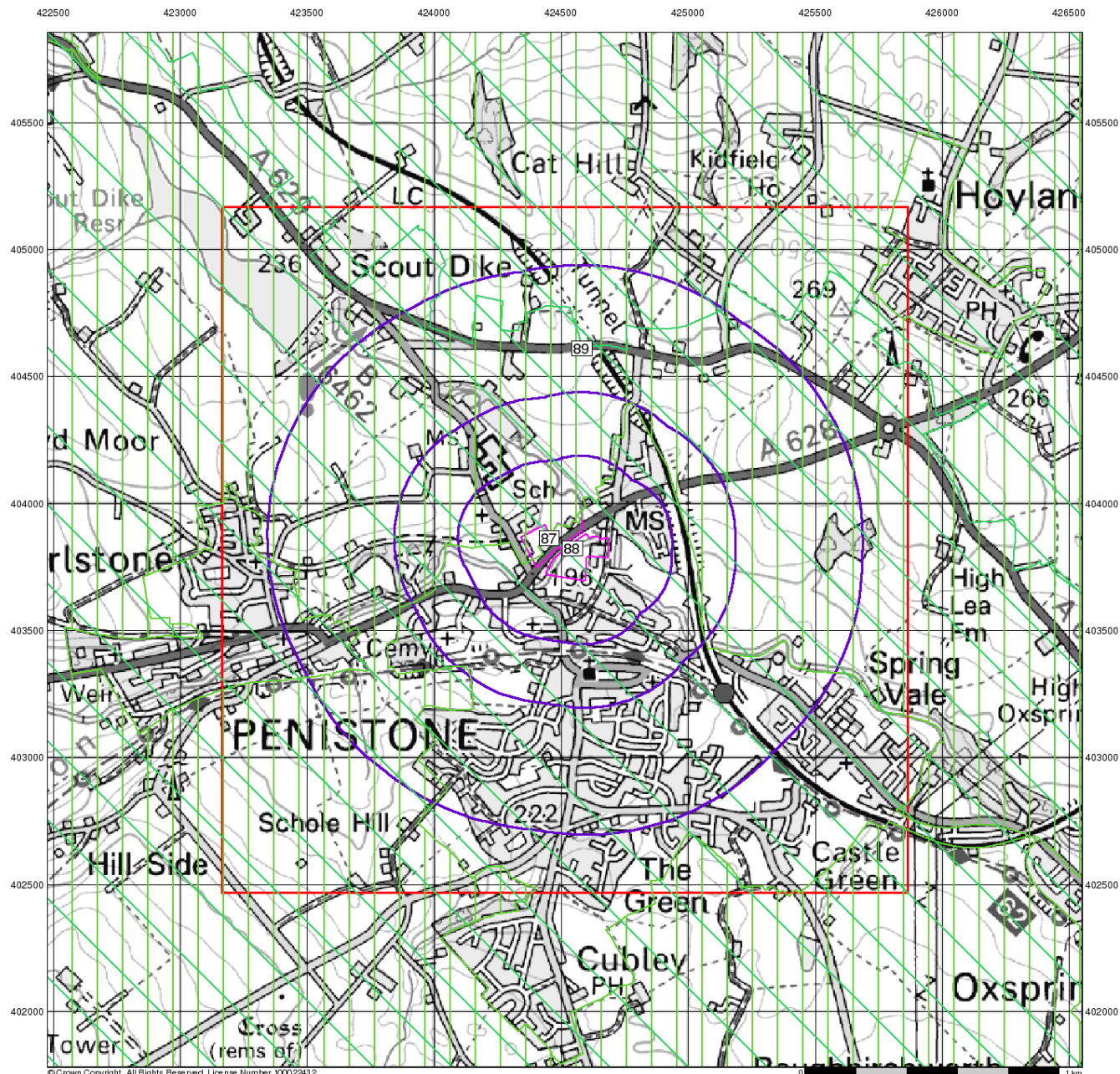
Order Number: 41288147_1_1
 Customer Ref: 35223/MJY/AJK
 National Grid Reference: 424520, 403820
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details

Nether Mill House, Barnsley Road, Penistone, SHEFFIELD, S36 8AD



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



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Sensitive Land Uses

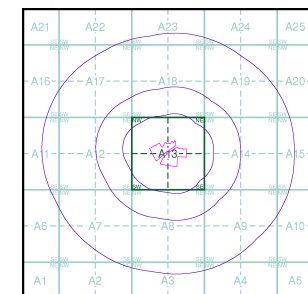
General

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

Sensitive Land Uses

- 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: 41288147_1_1
 Customer Ref: 35223/MJY/AJK
 National Grid Reference: 424520, 403820
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details

Nether Mill House, Barnsley Road, Penistone, SHEFFIELD, S36 8AD



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

General

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

Agency and Hydrological

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

Waste

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

Hazardous Substances

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

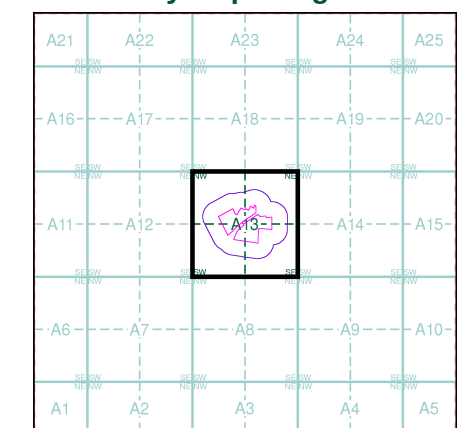
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Segment A13

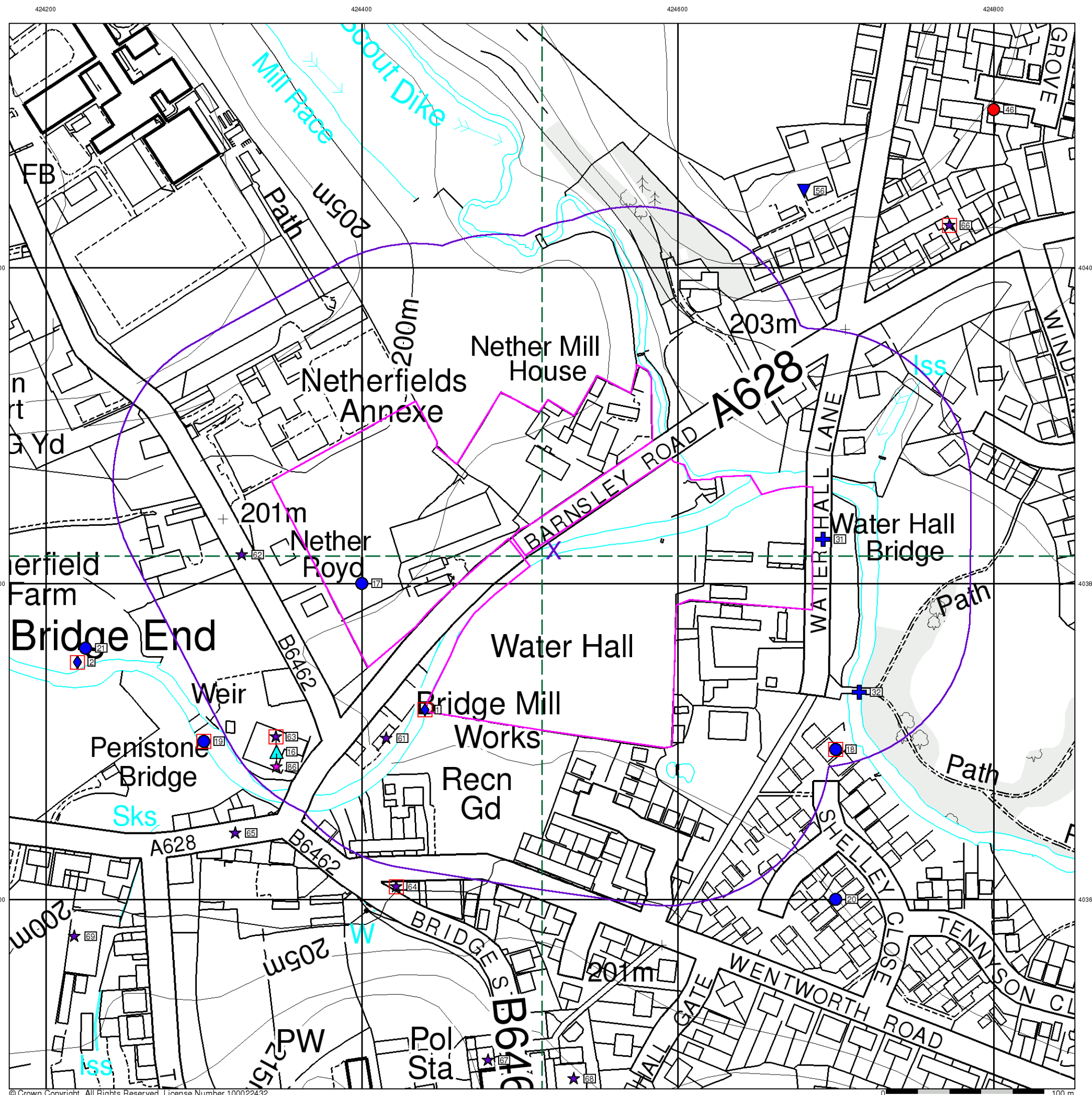


Order Details

Order Number: 41288147_1_1
 Customer Ref: 35223/MJY/AJK
 National Grid Reference: 424520, 403820
 Slice: A
 Site Area (Ha): 4.49

Site Details

Nether Mill House, Barnsley Road, Penistone, SHEFFIELD, S36 8AD



General

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

Agency and Hydrological

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

Waste

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

Hazardous Substances

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

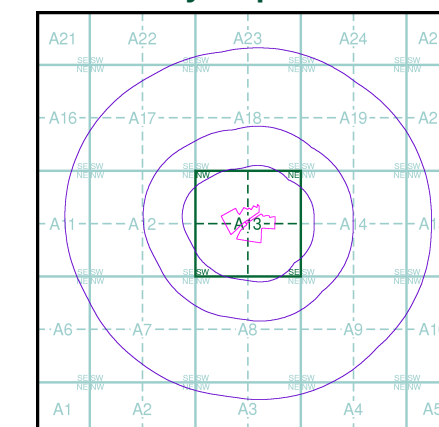
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice A

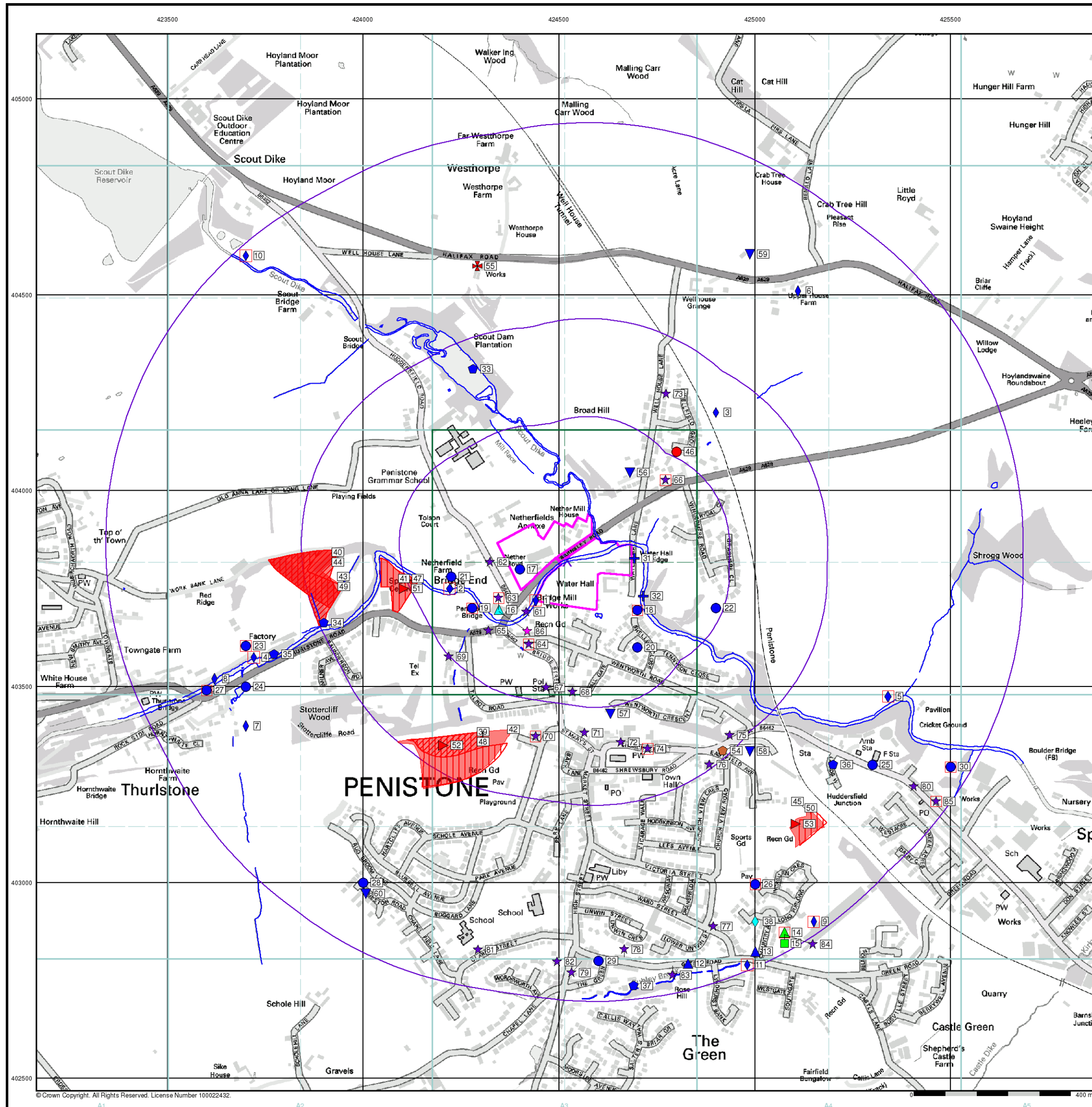


Order Details

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 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details

Nether Mill House, Barnsley Road, Penistone, SHEFFIELD, S36 8AD



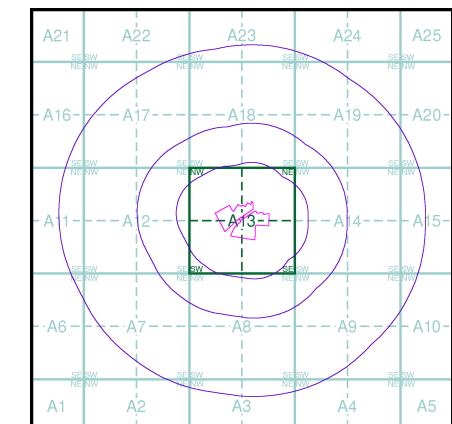
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

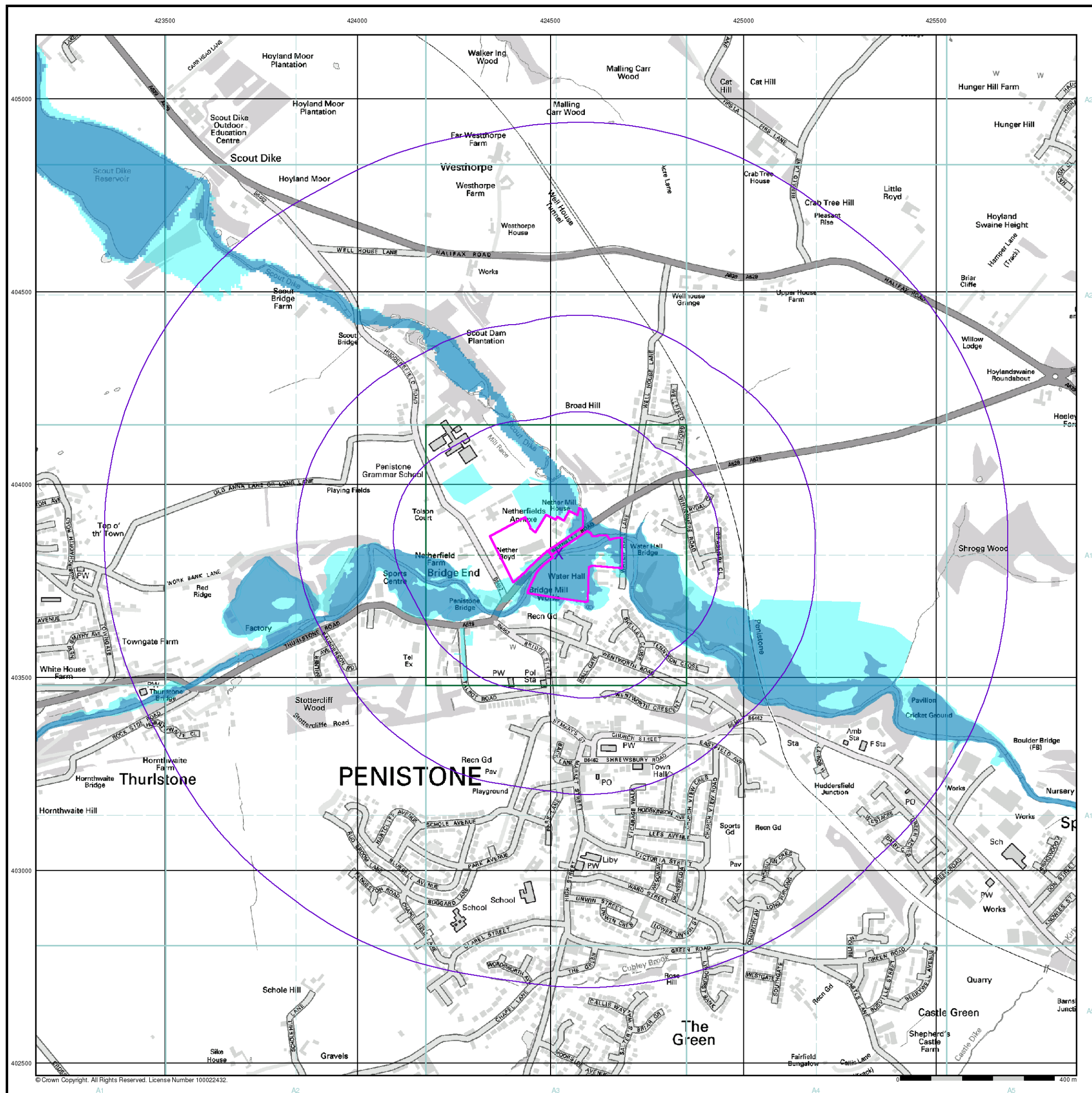


Order Details

Order Number: 41288147_1_1
 Customer Ref: 35223/MJY/AJK
 National Grid Reference: 424520, 403820
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details

Nether Mill House, Barnsley Road, Penistone, SHEFFIELD, S36 8AD



General

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

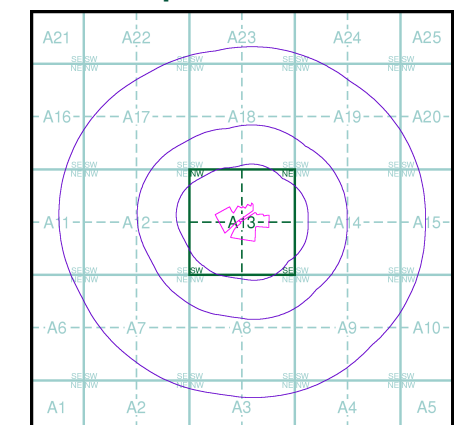
Agency and Hydrological (Boreholes)

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

For Borehole information please refer to the Borehole datasheet 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

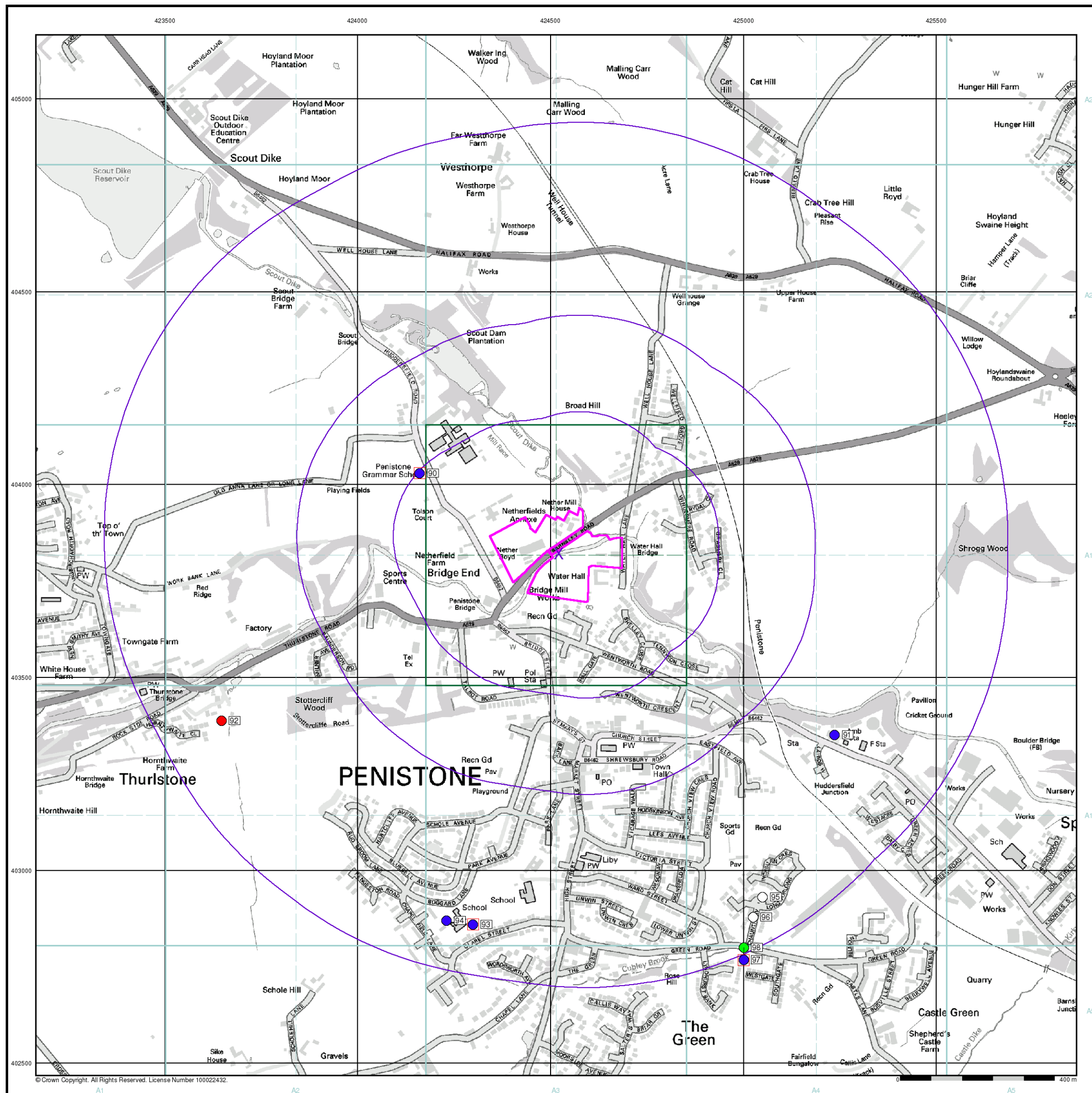


Order Details

Order Number: 41288147_1_1
 Customer Ref: 35223/MJY/AJK
 National Grid Reference: 424520, 403820
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details

Nether Mill House, Barnsley Road, Penistone, SHEFFIELD, S36 8AD

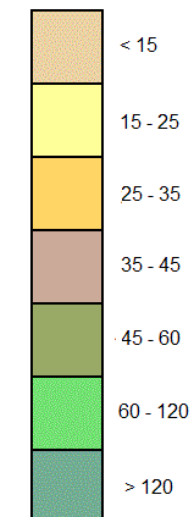


General

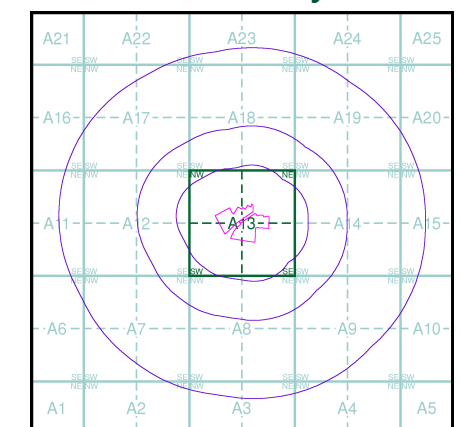
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

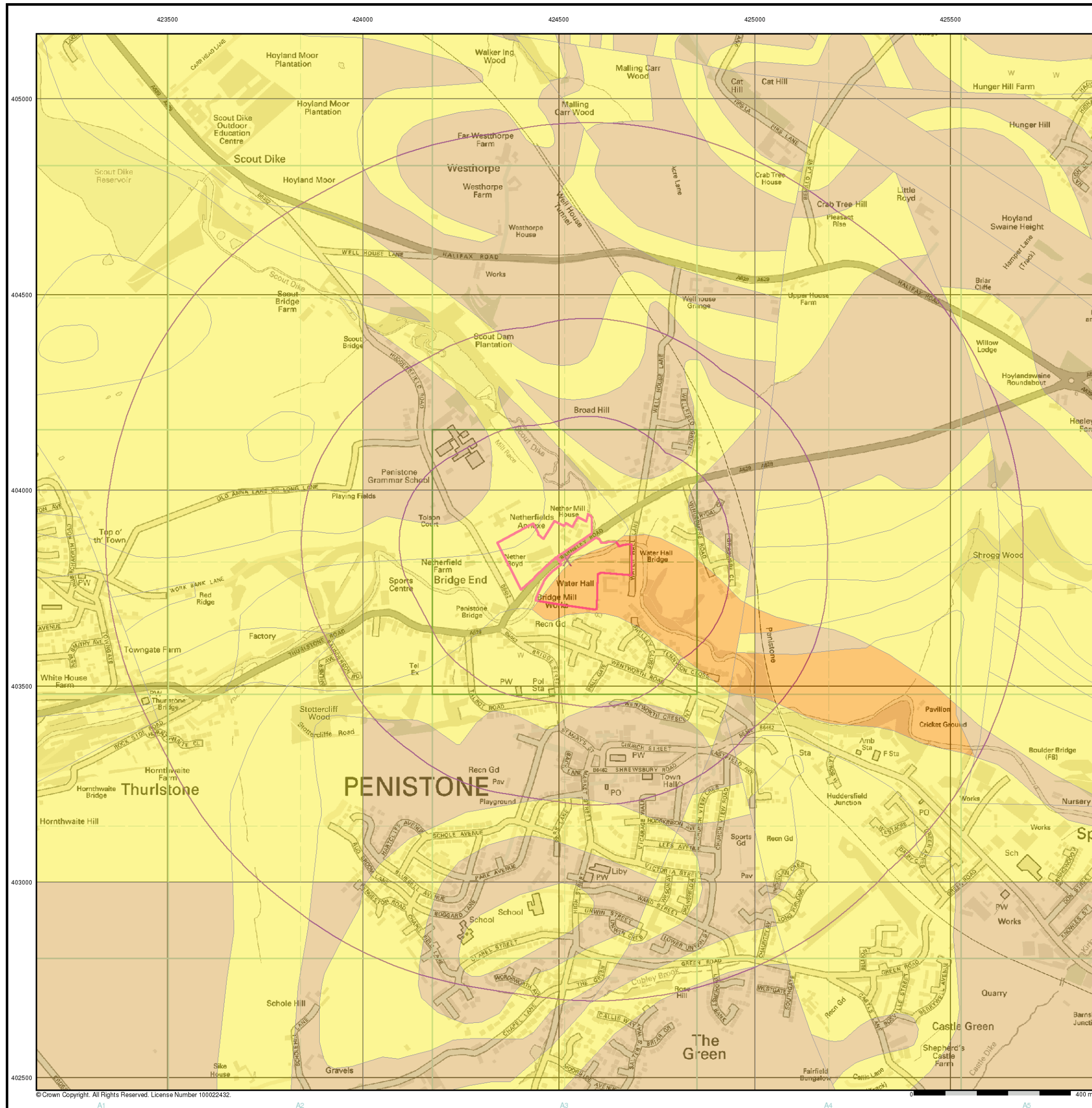


Order Details

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 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details

Nether Mill House, Barnsley Road, Penistone, SHEFFIELD, S36 8AD

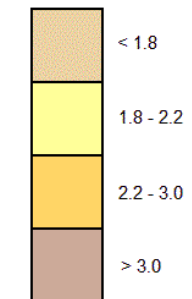


General

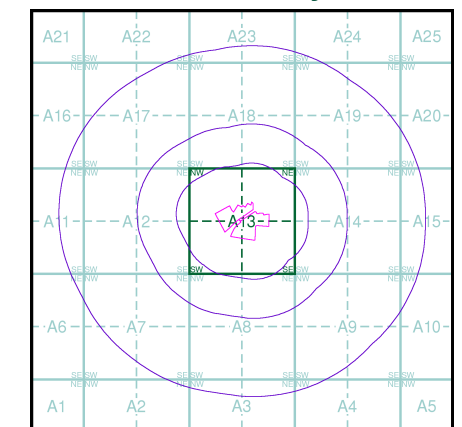
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

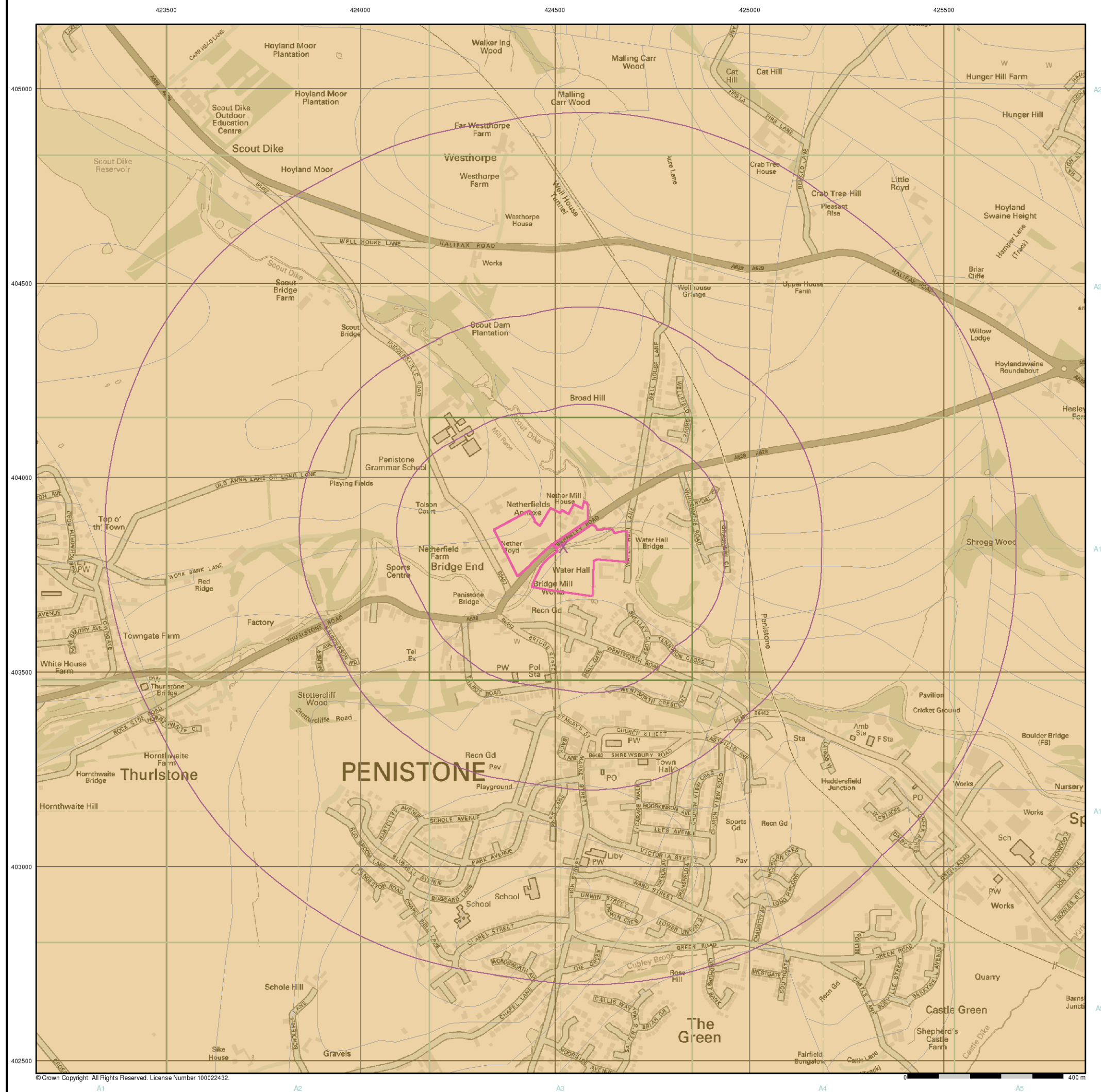


Order Details

Order Details: 41288147_1_1
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 Slice: A
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Site Details

Nether Mill House, Barnsley Road, Penistone, SHEFFIELD, S36 8AD

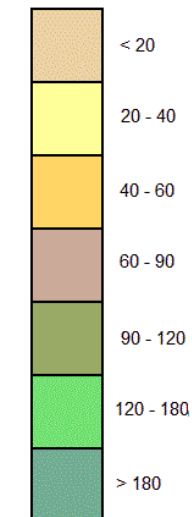


General

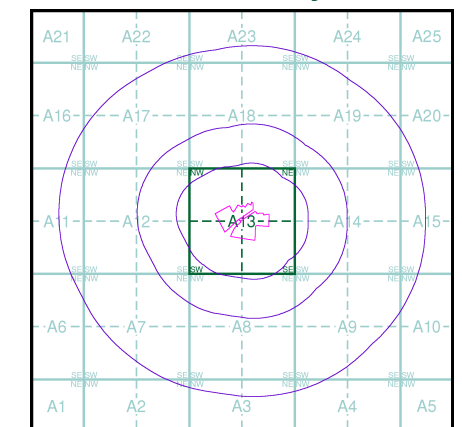
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

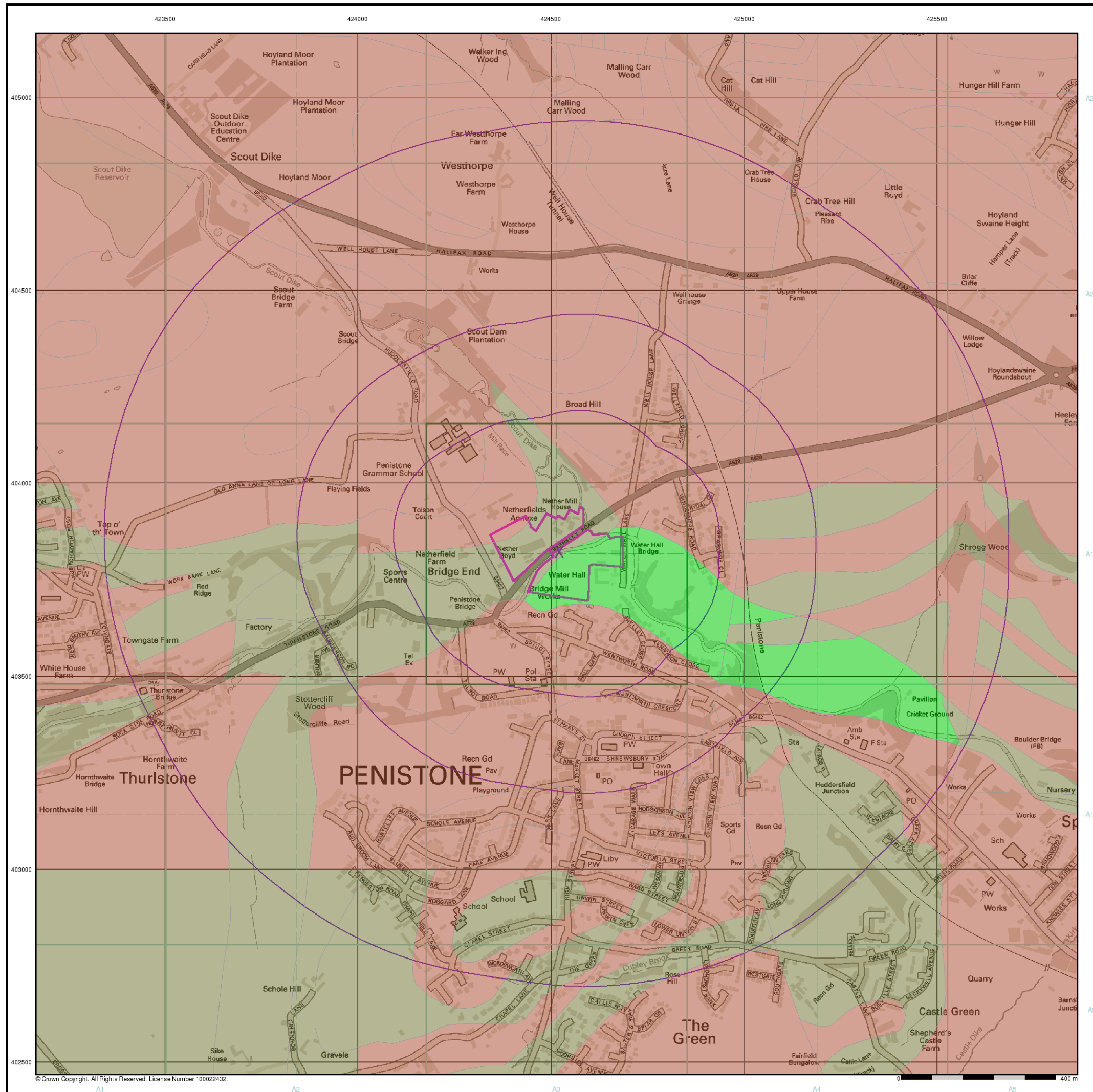


Order Details

Order Details: 41288147_1_1
 Customer Ref: 35223/MJY/AJK
 National Grid Reference: 424520, 403820
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details

Nether Mill House, Barnsley Road, Penistone, SHEFFIELD, S36 8AD

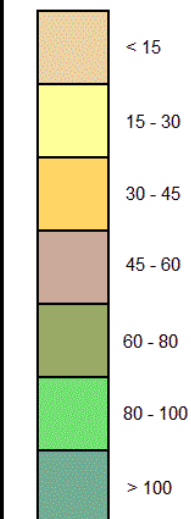


General

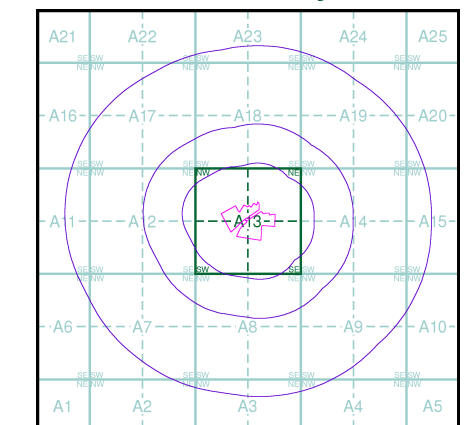
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

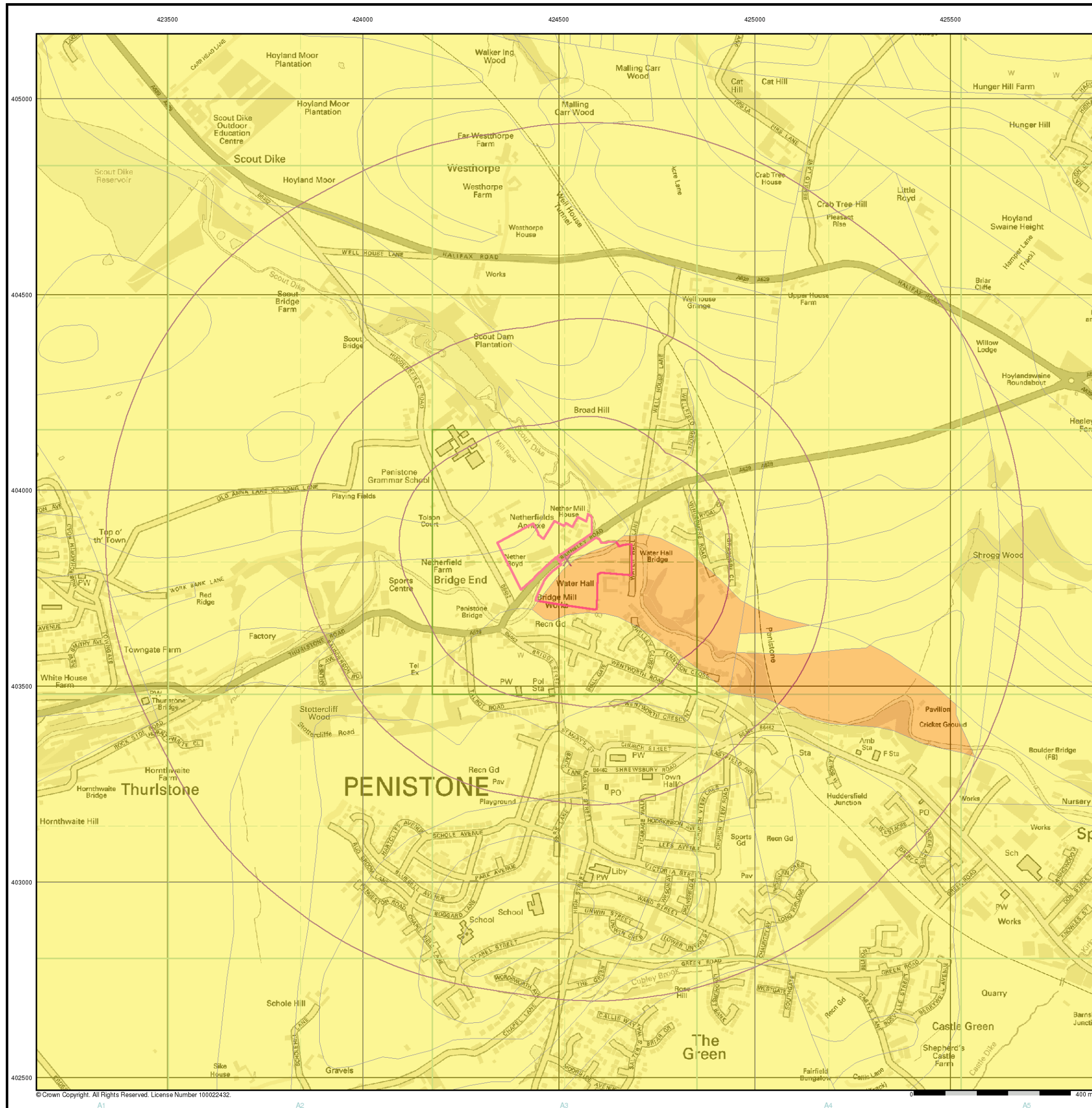


Order Details

Order Details: 41288147_1_1
 Customer Ref: 35223/MJY/AJK
 National Grid Reference: 424520, 403820
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details

Nether Mill House, Barnsley Road, Penistone, SHEFFIELD, S36 8AD



The COAL AUTHORITY

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
ABBEY COURT
UNIT 5/7 EAGLE WAY
EXETER
DEVON
EX2 7HY**

Our reference: **51000145194004**
Your reference: **41288147**
Date of your enquiry: **11 September 2012**
Date we received your enquiry: **11 September 2012**
Date of issue: **11 September 2012**

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

Non-Residential Coal Authority Mining Report

**SITE AT NETHER MILL HOUSE, BARNSELY ROAD, PENISTONE, SHEFFIELD, SOUTH
YORKSHIRE,**

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

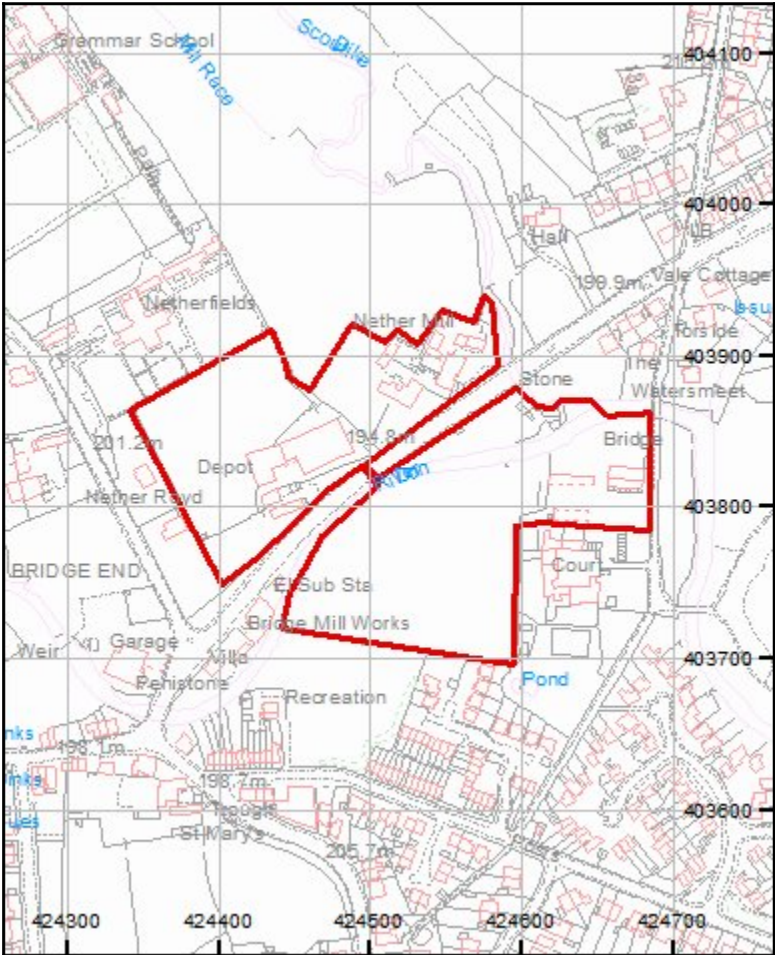


Enquiry boundary

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Key

Approximate position of enquiry boundary shown



Appendix 3

Window Sample Logs WS1 to WS6

Project Name
 Nethermill Farm, Barnsley Road

Project No.
 38208

Co-ords: -

Hole Type
 WS

Location: Penistone

Level: 196.20 m AOD

Scale
 1:25

Client: Duchy Homes Ltd

Dates: 09/09/2015

Logged By
 DES

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30	D	N=29 N=29 (4,3,3,5,9,12)	0.40	195.80		MADE GROUND: Weak concrete and brown gravel.	1
					0.70	195.50		PROBABLE MADE GROUND: Firm to stiff orange to brown clay.	
		0.85	D					PROBABLE MADE GROUND: Firm orange to grey sandy gravelly clay. Gravel is coarse subangular of sandstone.	
		1.00	SPT	N=56 N=56 (11,14,14,15,13,14)	1.00	195.20		NO RETURNS: Probable made ground.	
		1.40	SPT		1.55	194.65		PROBABLE MADE GROUND: Gravel and cobbles of dolomitic limestone, limestone, and sandstone.	
		2.00	SPT	N=56 N=56 (5,4,4,5,4,4,3)	2.00	194.20		PROBABLE MADE GROUND: Gravel and cobbles of dolomitic limestone, limestone, and sandstone. Wet.	2
					2.20	194.00		Soft brown very gravelly CLAY with gravel and cobbles of sandstone. Very wet.	
		2.50	D						3
		3.00	SPT	N=31 N=31 (6,6,8,8,7,8)	3.30	192.90		Very stiff grey CLAY becoming mudstone.	
		3.40	D		3.50	192.70		Hard grey MUDSTONE.	
		3.60	SPT	50/75mm 75mm (20,25,50)					4
					3.83	192.38		End of Borehole at 3.83 m	
			Type	Results					

Remarks: Refused at base on mudstone.



Project Name
 Nethermill Farm, Barnsley Road

Project No.
 38208

Co-ords: -

Hole Type
 WS

Location: Penistone

Level: 194.50 m AOD

Scale
 1:25

Client: Duchy Homes Ltd

Dates: 21/09/2015

Logged By
 DES

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	D					TOPSOIL/MADE GROUND: Brown sandy clay with gravel of stone, sandstone, and concrete.	1
					0.35	194.15		MADE GROUND: Sandstone cobble.	
					0.38	194.12			
					0.45	194.05		MADE GROUND: Firm to stiff brown clay.	
					0.55	193.95		MADE GROUND: Coal and clinker.	
		0.50	D		0.70	193.80		POSSIBLE MADE GROUND: Firm quickly becoming stiff grey very cobbly CLAY. Cobbles are subangular of sandstone.	
							POSSIBLE MADE GROUND: Soft to firm brown CLAY. Damp.		
		0.95	D	N=6 N=6 (2,1,2,2,1,1)	1.55	192.95		POSSIBLE MADE GROUND: Soft brown CLAY. Damp.	
		1.00	SPT		1.60	192.90		POSSIBLE MADE GROUND: Yellow SANDSTONE cobble.	
					1.80	192.70		POSSIBLE MADE GROUND: White clayey brown MUDSTONE.	
		1.95	D	N=30 N=30 (6,8,9,5,6,10)	2.00	192.50		Wet / NO RETURNS. Probably clay.	2
		2.00	SPT						
					2.30	192.20		Firm grey CLAY. Wet.	
		2.50	192.00			Moderately weak grey MUDSTONE, becoming stronger with depth.			
3.00	SPT	N=73 N=73 (10,9,15,18,17,23)					3		
3.60	SPT	N=106 N=106 (17,16,19,25,28,34)	3.60	190.90		End of Borehole at 3.60 m	4		

Remarks: Terminated on mudstone.

Project Name
 Nethermill Farm, Barnsley Road

Project No.
 38208

Co-ords: -

Hole Type
 WS

Location: Penistone

Level: 195.85 m AOD

Scale
 1:25

Client: Duchy Homes Ltd

Dates: 09/09/2015

Logged By
 DES

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	D		0.10	195.75		TOPSOIL/MADE GROUND: Brown clay with sandstone, coal and brick gravel. Damp.	
					0.30	195.55		MADE GROUND: Sandstone, coal and brick gravel in brown clay. Damp.	
					0.40	195.45		MADE GROUND: Sandstone blocks.	
								MADE GROUND: Soft brown clay with brick, coal, sandstone and mudstone gravel. Damp.	
		0.90	D						
		1.00	SPT	N=17 N=17 (4,4,4,3,5,5)	1.00	194.85		NO RETURNS/WET. (Made ground)	1
					1.30	194.55		MADE GROUND: Soft gravelly black clay with hydrocarbon/organic odour and slight organic sheen. Rare vegetation fragments. Wet.	
		1.60	D						
		2.00	SPT	N=18 N=18 (1,1,5,4,4,5)					2
					2.50	193.35		Firm quickly becoming stiff sandy brown CLAY becoming mudstone with depth.	
		2.70	D						
		3.00	SPT	50/75mm 75mm (15,10,50)	2.90	192.95		Moderately weak grey and orange MUDSTONE.	3
					3.00	192.85		End of Borehole at 3.00 m	
									4

Remarks: Refused at base on mudstone.

Project Name
 Nethermill Farm, Barnsley Road

Project No.
 38208

Co-ords: -

Hole Type
 WS

Location: Penistone

Level: 195.80 m AOD

Scale
 1:25

Client: Duchy Homes Ltd

Dates: 21/09/2015

Logged By
 DES

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.05			0.05	195.75		MADE GROUND: Loose macadam planings.	
		0.20	D					MADE GROUND: Ceramic fragments (tile) in brown sand.	
		0.40			0.40	195.40		NO RETURNS. Made Ground.	
		1.00	SPT	N=39 N=39 (3,4,7,11,10,11)	1.00	194.80		MADE GROUND: Reworked sandy clay with sandstone, brick, macadam and rare coal.	1
		1.65	D						
		2.00	SPT	92/225mm 225mm (4,6,7,8,77)	2.00	193.80		MADE GROUND: Gravel of bricks and macadam pieces. Wet.	2
		2.65			2.65	193.15		Stiff brown grey CLAY becoming weak mudstone.	
		2.95	D						
		3.00	SPT	N=73 N=73 (4,5,8,14,24,27)	3.00	192.80		End of Borehole at 3.00 m	3
									4
		Type	Results						

Remarks: Hole abandoned at 3m bgl due to mechanical failure



Project Name
Nethermill Farm, Barnsley Road

Project No.
38208

Co-ords: -

Hole Type
WS

Location: Penistone

Level: 196.10 m AOD

Scale
1:25

Client: Duchy Homes Ltd

Dates: 21/09/2015

Logged By
DES

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.60	D	N=13 N=13 (1,2,1,3,3,6)	0.10	196.00		CONCRETE slab. No reinforcement encountered.	
								NO RETURNS / Limestone gravel sub-base.	
					0.35	195.75		MADE GROUND: Soft brown to black clay with piece of weak concrete at the base. Damp to wet.	
					0.75	195.35		Soft becoming firm grey mottled orange silty gravelly CLAY. Gravel of sandstone from 1.1 m bgl.	
		1.00	SPT	N=23 N=23 (4,4,4,5,7,7)				Wet from 1.05 m bgl.	1
		1.20	D						
		1.90	D		1.85	194.25		Brown sandy gravel and cobbles of sandstone.	2
		2.00	SPT		2.00	194.10		NO RETURNS (no voids encountered).	
					2.20	193.90		Grey wet sandstone GRAVEL in a soft wet clay matrix.	
		2.80	D		2.65	193.45		Stiff yellow to grey and orange mottled CLAY becoming moderately weak MUDSTONE.	
		3.00	SPT	50/135mm 135mm (10,15,25,25)	3.00	193.10		End of Borehole at 3.00 m	3
									4

Remarks: Refusal on mudstone at base.

Project Name
Nethermill Farm, Barnsley Road

Project No.
38208

Co-ords: -

Hole Type
WS

Location: Penistone

Level: 196.10 m AOD

Scale
1:25

Client: Duchy Homes Ltd

Dates: 21/09/2015

Logged By
DES

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	D		0.30	195.80		TOPSOIL: Brown clay with roots.	
								Firm orange CLAY.	
		0.60	D		0.60	195.50		Weathered orange sandstone blocks in clay matrix.	
		1.00	SPT	N=27 N=27 (2,3,4,6,7,10)	1.00	195.10		Orange CLAY with sandstone gravel.	1
					1.70	194.40		Soft wet brown clay.	
					1.85	194.25		Orange clay with sandstone gravel.	
		2.00	SPT	N=34 N=34 (3,5,4,9,11,10)	2.00	194.10		Grey wet gravel, in soft wet clay.	2
					2.45	193.65		Stiff grey CLAY becoming weak MUDSTONE with depth.	
		2.55	D						
		3.00	SPT	N=33 N=33 (4,4,5,5,6,17)					3
		3.40	SPT	50/135mm 135mm (4,17,30,20)	3.40	192.70		End of Borehole at 3.40 m	4
			Type	Results					

Remarks: Refusal on mudstone at base.

Appendix 4

Geotechnical Test Results, Chemtest Report 15-22575



Final Report

Report No.: 15-22575-1

Initial Date of Issue: 19-Oct-2015

Client Eastwood & Partners

Client Address: St. Andrews House
23 Kingfield Road
Sheffield
South Yorkshire
S11 9AS

Contact(s): Dani Sempers

Project 38208 - Nethermill Farm, Barnsley
Road, Penistone

Quotation No.:		Date Received:	29-Sep-2015
Order No.:		Date Instructed:	29-Sep-2015
No. of Samples:	2	Target Date:	19-Oct-2015
Turnaround (Wkdays):	15	Results Due:	19-Oct-2015
Date Approved:	19-Oct-2015	Subcon Results Due:	20-Oct-2015

Approved By:



Details: Robert Monk, Technical Development
Chemist

Project: 38208 - Nethermill Farm, Barnsley Road,
Penistone

Client: Eastwood & Partners	Chemtest Job No.:		15-22575	15-22575
Quotation No.:	Chemtest Sample ID.:		198312	198313
Order No.:	Client Sample Ref.:		191282	191289
	Client Sample ID.:		WS1	WS4
	Sample Type:		SOIL	SOIL
	Top Depth (m):		3.4	2.95
	Bottom Depth (m):			
	Date Sampled:		09-Sep-2015	09-Sep-2015
Determinand	Accred.	SOP	Units	LOD
Plasticity Index (Subcon)	SU			N/A
				See attached
				See attached

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at our Coventry laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 60 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk



TEST REPORT.

ISSUED BY : SOIL PROPERTY TESTING LTD.

DATE OF ISSUE : 16/10/15 PAGE 1 of 6 Pages

Contract

Serial No.

Chemtest Job No.: - 15-22575

S29292



CLIENT:

CHEMTEST
Depot Road
Newmarket
Suffolk
CB8 0AP

Soil Property Testing Ltd.

15,16 & 18 Halcyon Court, St Margarets Way,
Stukeley Meadows, Huntingdon,
Cambs. PE29 6DG.

Telephone (01480) 455579 Fax (01480) 453619
Email enquiries@soilpropertytesting.com

SAMPLES SUBMITTED BY:

CHEMTEST

APPROVED SIGNATORIES:

- ☐ J.C.GARNER B.Eng (Hons.) FGS
Technical Director
- ☒ S.P.TOWNEND FGS
Quality Manager
- ☐ W.JOHNSTONE
Materials Lab Manager

S.P. Townend

SAMPLES LABELLED:

Chemtest Job No.: - 15-22575

DATE RECEIVED: 30/09/15

SAMPLES TESTED BETWEEN 30/09/15 **and** 16/10/15

REMARKS: For the attention of Customer Services
Your Order No.: 14455

- NOTES:**
- 1 All remaining samples or remnants from this contract will be disposed of after 21 days from today, unless we are notified to the contrary.
 - 2 (a) UKAS - United Kingdom Accreditation Service.
(b) Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
 - 3 Tests marked "NOT UKAS ACCREDITED" in this test report are not included in the UKAS Accreditation Schedule for this testing laboratory.
 - 4 This test report may not be reproduced other than in full except with the prior written approval of the issuing laboratory.



TEST REPORT.

ISSUED BY : SOIL PROPERTY TESTING LTD.

DATE OF ISSUE : As page 1 PAGE 3 of 6

Contract

Chemtest Job No.: - 15-22575

Serial No.

S29292



SUMMARY OF MOISTURE CONTENT, LIQUID LIMIT, PLASTIC LIMIT, PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole/ Pit No.	Depth m.	Sample	Moisture Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plast- icity Index (%)	Liqu- idity Index (%)	SAMPLE PREPARATION				Description	CLASS
								Method S/N	Ret'd 0.425mm (%)	Corr'd M/C <0.425mm	Curing Time (hrs.)		
-	-	D198312	16	41	23	18	-0.39	N	0 (A)		25	Very stiff possibly hard grey silty CLAY with occasional orangey brown mottling	CI
-	-	D198313	12	38	24	14	-0.86	N	0 (A)		25	Very stiff possibly hard mottled dark grey and olive silty CLAY with occasional orangey brown mottling and very weak mudstone fragments	CI

METHOD OF PREPARATION : BS 1377:PART 1:1990:7.4 & PART 2:1990:4.2

S = Wet Sieved Specimen
N = prepared from Natural

METHOD OF TEST : BS 1377:PART 2:1990:3.2, 4.4, 5.3, 5.4

TYPE OF SAMPLE KEY : U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter. A = Assumed, M = Measured

COMMENTS :

REMARKS TO INCLUDE : Sample disturbance, loss of moisture, variation from test procedure, location and origin of test specimen within original sample. Oven drying temperature if not 105-110 deg C.



TEST REPORT.

ISSUED BY : SOIL PROPERTY TESTING LTD.

DATE OF ISSUE : As page 1 PAGE 4 of 6

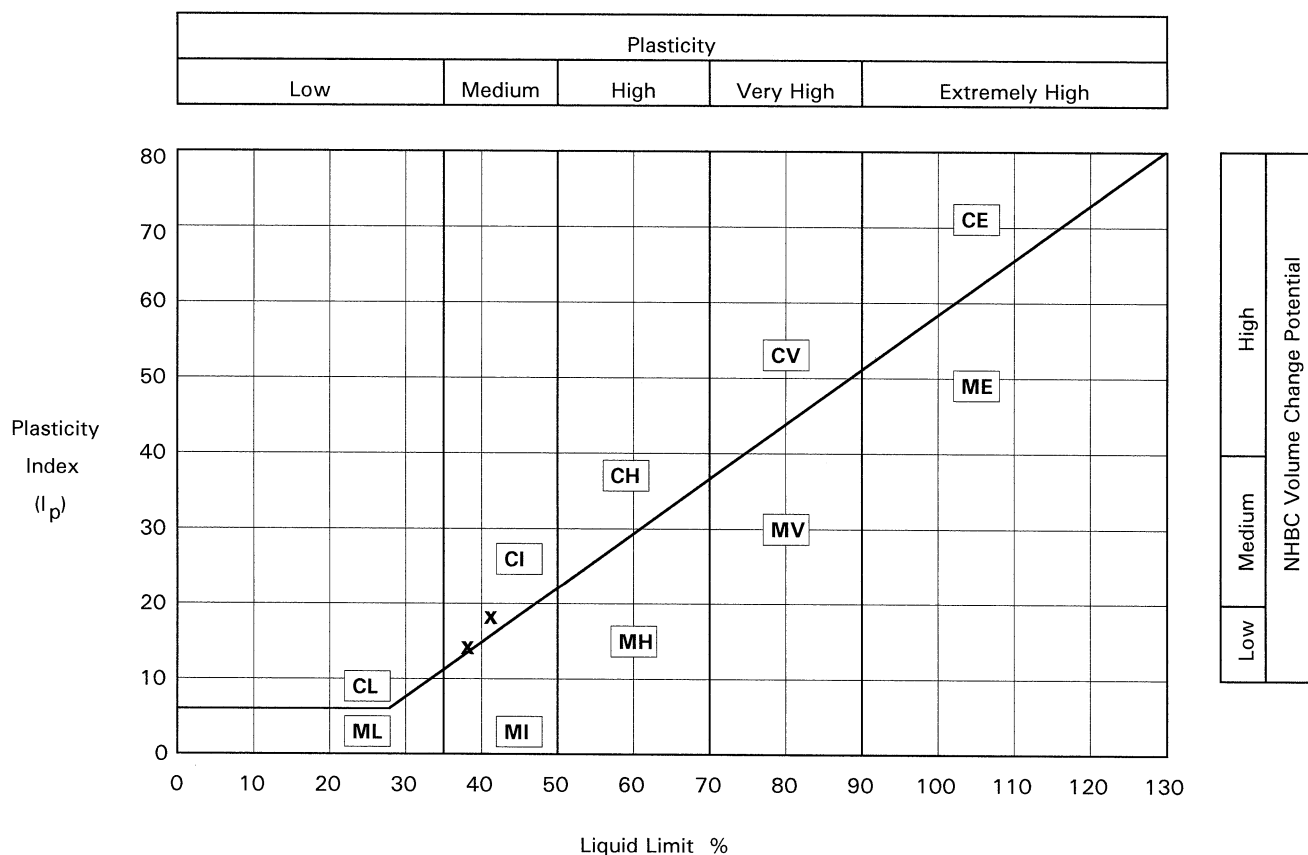
Contract

Chemtest Job No.: - 15-22575

Serial No.

S29292

PLOT OF PLASTICITY INDEX AGAINST LIQUID LIMIT USING CASAGRANDE CLASSIFICATION CHART



METHOD OF PREPARATION: BS 1377:PART 1:1990:7.4 & PART 2:1990:4.2

METHOD OF TEST : BS 1377:PART 2:1990:3.2, 4.4, 5.3, 5.4

TYPE OF SAMPLE KEY : U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter

COMMENTS : VOLUME CHANGE POTENTIAL: NHBC Standards Chapter 4.2 Unmodified Plasticity Index
PLASTICITY CHART BS5930:1999:Figure 18



TEST REPORT.

ISSUED BY : SOIL PROPERTY TESTING LTD.

DATE OF ISSUE : As page 1 PAGE 5 of 6

Contract
Chemtest Job No.: - 15-22575

Serial No.
S29292



DETERMINATION OF MOISTURE CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

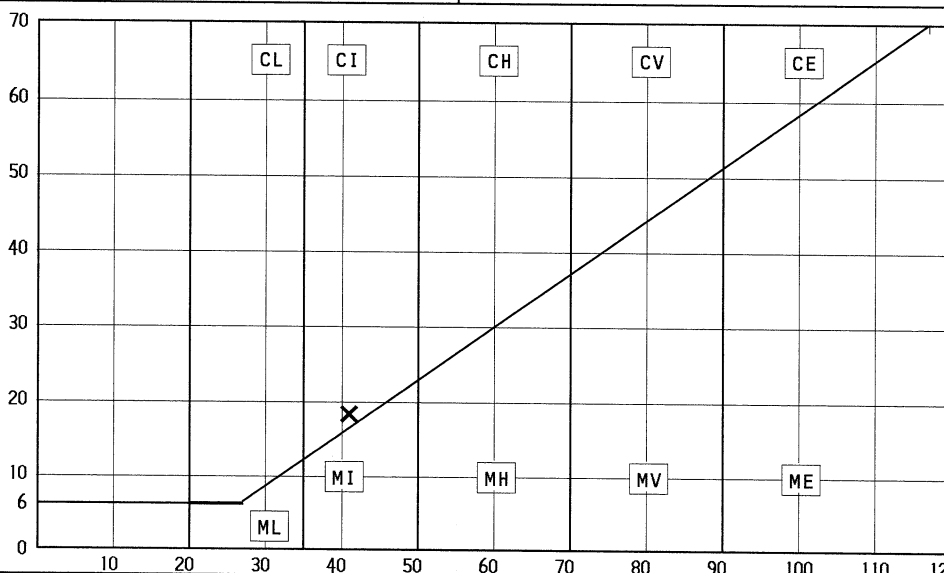
Borehole/ Pit No.	Depth m.	Sample	Moisture Content %	Description	Remarks
-	-	D198312	16	Very stiff possibly hard grey silty CLAY with occasional orange brown mottling	

PREPARATION				Liquid Limit	41 %
Method of Preparation Specimen from Natural Soil				Plastic Limit	23 %
Sample retained 0.425 sieve (Assumed) 0 %				Plasticity Index	18 %
Corrected moisture content for material passing 0.425mm %				Liquidity Index	-0.39
Curing Time 25 Hours				Clay Content	Not analysed. %
				Derived Activity (PI/CC)	Not analysed.

C = CLAY

Plasticity
Index %
(I_p)

M = SILT



High
Medium
Low

NHBC Volume Change Potential

Liquid Limit %

METHOD OF PREPARATION: BS 1377:PART 1:1990:7.4 & PART 2:1990:4.2

METHOD OF TEST : BS 1377:PART 2:1990:3.2, 4.4, 5.3, 5.4

TYPE OF SAMPLE KEY : U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter

COMMENTS : PLASTICITY CHART BS5930:1999:Figure 18
VOLUME CHANGE POTENTIAL: NHBC Standards Chapter 4.2 Unmodified Plasticity Index
NOTE: Modified Plasticity Index I'_p = I_p x (% less than 425 microns/100)



TEST REPORT.

ISSUED BY : SOIL PROPERTY TESTING LTD.

DATE OF ISSUE : As page 1 PAGE 6 of 6

Contract

Chemtest Job No.:- 15-22575

Serial No.

S29292



DETERMINATION OF MOISTURE CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

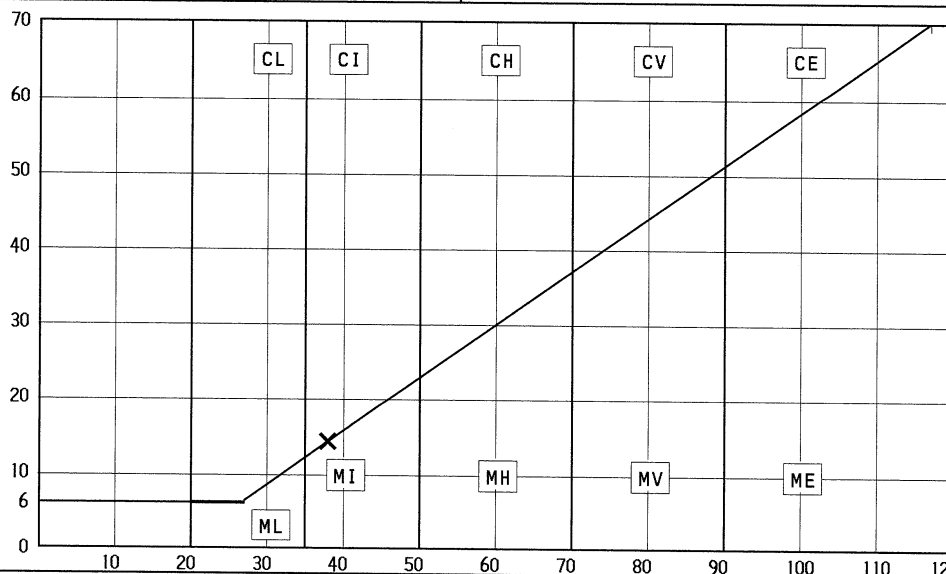
Borehole/ Pit No.	Depth m.	Sample	Moisture Content %	Description	Remarks
-	-	D198313	12	Very stiff possibly hard mottled dark grey and olive silty CLAY with occasional orangey brown mottling and very weak mudstone fragments	

PREPARATION				Liquid Limit	38 %
Method of Preparation Specimen from Natural Soil				Plastic Limit	24 %
Sample retained 0.425 sieve (Assumed) 0 %				Plasticity Index	14 %
Corrected moisture content for material passing 0.425mm %				Liquidity Index	-0.86
Curing Time 25 Hours				Clay Content	Not analysed. %
				Derived Activity (PI/CC)	Not analysed.

C = CLAY

Plasticity
Index %
(I_p)

M = SILT



High
Medium
Low

NHBC Volume Change Potential

Liquid Limit %

METHOD OF PREPARATION: BS 1377:PART 1:1990:7.4 & PART 2:1990:4.2

METHOD OF TEST : BS 1377:PART 2:1990:3.2, 4.4, 5.3, 5.4

TYPE OF SAMPLE KEY : U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter

COMMENTS : PLASTICITY CHART BS5930:1999:Figure 18
VOLUME CHANGE POTENTIAL: NHBC Standards Chapter 4.2 Unmodified Plasticity Index
NOTE: Modified Plasticity Index I'_p = I_p x (% less than 425 microns/100)

Appendix 5

Chemical Test Results – Chemtest Report 15-22182

Table of Residential Assessment Values with home-grown produce



Final Report

Report No.: 15-21182-1

Initial Date of Issue: 06-Oct-2015

Client Eastwood & Partners

Client Address: St. Andrews House
23 Kingfield Road
Sheffield
South Yorkshire
S11 9AS

Contact(s): Dani Sempers
Andrew Kerslake

Project 38208 - Nethermill Farm, Barnsley
Road, Penistone

Quotation No.:

Order No.:

No. of Samples: 11

Turnaround (Wkdays): 5

Date Approved: 06-Oct-2015

Date Received: 14-Sep-2015

Date Instructed: 29-Sep-2015

Target Date: 05-Oct-2015

Results Due: 05-Oct-2015

Approved By:

Details: Phil Hellier, Project Director

Project: 38208 - Nethermill Farm, Barnsley Road,
Penistone

Client: Eastwood & Partners	Chemtest Job No.:				15-21182	15-21182	15-21182	15-21182	15-21182
Quotation No.:	Chemtest Sample ID.:				191279	191283	191284	191286	191288
Order No.:	Client Sample Ref.:								
	Client Sample ID.:				WS1	WS2	WS2	WS4	WS4
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.3	0.1	0.5	1.65	0.2
	Bottom Depth (m):								
	Date Sampled:				09-Sep-2015	09-Sep-2015	09-Sep-2015	09-Sep-2015	09-Sep-2015
Determinand	Accred.	SOP	Units	LOD					
ACM Type	U	2192		N/A	-	-	-	-	Fibres/Clumps
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile
Moisture	N	2030	%	0.020	7.1	6.3	21	11	9.3
Soil Colour	N			N/A	Brown	Brown	Brown	Brown	Brown
Other Material	N			N/A	Stones	Stones	Stones	Stones	Stones
Soil Texture	N			N/A	Sand	Sand	Sand	Loam	Sand
pH	M	2010		N/A	9.7	8.3	7.9	7.5	9.7
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.65		0.030	< 0.010	0.14
Total Sulphur	M	2175	%	0.010	0.22		0.32	0.020	0.20
Sulphate (Acid Soluble)	M	2430	%	0.010	0.32		0.085	0.015	0.12
Arsenic	M	2450	mg/kg	1.0	17	10	96	6.1	14
Cadmium	M	2450	mg/kg	0.10	0.39	0.61	0.25	0.58	1.0
Chromium	M	2450	mg/kg	1.0	93	78	25	23	43
Copper	M	2450	mg/kg	0.50	27	20	100	26	24
Mercury	M	2450	mg/kg	0.10	0.10	< 0.10	0.16	< 0.10	< 0.10
Nickel	M	2450	mg/kg	0.50	27	42	56	39	19
Lead	M	2450	mg/kg	0.50	51	93	53	21	54
Selenium	M	2450	mg/kg	0.20	< 0.20	< 0.20	0.26	< 0.20	< 0.20
Zinc	M	2450	mg/kg	0.50	70	87	49	78	82
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	M	2800	mg/kg	0.10	0.52	0.84	0.97	0.12	14
Acenaphthylene	N	2800	mg/kg	0.10	0.56	2.5	< 0.10	< 0.10	1.3
Acenaphthene	M	2800	mg/kg	0.10	6.9	14	< 0.10	< 0.10	24
Fluorene	M	2800	mg/kg	0.10	6.1	13	< 0.10	< 0.10	23
Phenanthrene	M	2800	mg/kg	0.10	43	140	1.3	1.0	150
Anthracene	M	2800	mg/kg	0.10	14	54	0.24	0.19	42
Fluoranthene	M	2800	mg/kg	0.10	79	240	2.4	1.9	180
Pyrene	M	2800	mg/kg	0.10	71	220	2.0	1.5	150
Benzo[a]anthracene	M	2800	mg/kg	0.10	41	110	0.78	0.44	82
Chrysene	M	2800	mg/kg	0.10	40	100	0.77	0.37	73
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	52	120	0.95	0.32	81
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	22	57	0.23	< 0.10	37
Benzo[a]pyrene	M	2800	mg/kg	0.10	50	110	0.80	< 0.10	75
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	34	79	0.51	< 0.10	52
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	7.5	18	< 0.10	< 0.10	12
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	26	62	0.34	< 0.10	37

Project: 38208 - Nethermill Farm, Barnsley Road,

Penistone

Client: Eastwood & Partners	Chemtest Job No.:					15-21182	15-21182	15-21182	15-21182	15-21182
Quotation No.:	Chemtest Sample ID.:					191279	191283	191284	191286	191288
Order No.:	Client Sample Ref.:									
	Client Sample ID.:					WS1	WS2	WS2	WS4	WS4
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.3	0.1	0.5	1.65	0.2
	Bottom Depth (m):									
	Date Sampled:					09-Sep-2015	09-Sep-2015	09-Sep-2015	09-Sep-2015	09-Sep-2015
Determinand	Accred.	SOP	Units	LOD						
Total Of 16 PAH's	N	2800	mg/kg	2.0	490	1300	11	5.8	1000	

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at our Coventry laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 60 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk



Final Report

Report No.: 15-22182-1

Initial Date of Issue: 06-Oct-2015

Client Eastwood & Partners

Client Address: St. Andrews House
23 Kingfield Road
Sheffield
South Yorkshire
S11 9AS

Contact(s): Dani Sempers
Andrew Kerslake

Project 38208 - Nethermill Farm, Barnsley
Road, Penistone

Quotation No.:

Order No.:

No. of Samples: 11

Turnaround (Wkdays): 5

Date Approved: 06-Oct-2015

Date Received: 24-Sep-2015

Date Instructed: 29-Sep-2015

Target Date: 05-Oct-2015

Results Due: 05-Oct-2015

Approved By:

Details: Phil Hellier, Project Director

Project: 38208 - Nethermill Farm, Barnsley Road,
Penistone

Client: Eastwood & Partners	Chemtest Job No.:				15-22182	15-22182	15-22182	15-22182	15-22182	15-22182	15-22182
Quotation No.:	Chemtest Sample ID.:				196202	196204	196205	196206	196210	196211	196212
Order No.:	Client Sample Ref.:										
	Client Sample ID.:				WS3	WS3	WS3	WS5	WS6	WS6	WS6
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.2	1.6	2.7	0.6	0.1	0.6	2.55
	Bottom Depth (m):										
	Date Sampled:				21-Sep-2015	21-Sep-2015	21-Sep-2015	21-Sep-2015	21-Sep-2015	21-Sep-2015	21-Sep-2015
Determinand	Accred.	SOP	Units	LOD							
ACM Type	U	2192		N/A	-			-	-	-	
Asbestos Identification	U	2192		N/A	No Asbestos Detected			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
Moisture	N	2030	%	0.020	13	13	9.9	32	26	18	6.7
Soil Colour	N			N/A	Brown	Black	Brown	Brown	Brown	Brown	Grey
Other Material	N			N/A	Stones	Stones	NONE	NONE	Stones	NONE	Stones
Soil Texture	N			N/A	Sand	Clay	Sand	Clay	Sand	Loam	Sand
pH	M	2010		N/A	9.7	8.2	7.9	7.3	5.7	6.5	7.2
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.15	0.64	< 0.010	0.019		< 0.010	< 0.010
Total Sulphur	M	2175	%	0.010	0.14	0.41	0.020	0.040		0.020	0.010
Sulphate (Acid Soluble)	M	2430	%	0.010	0.11	0.26	< 0.010	0.028		< 0.010	< 0.010
Arsenic	M	2450	mg/kg	1.0	15	14	7.0	9.0	22	8.4	4.1
Cadmium	M	2450	mg/kg	0.10	0.27	0.31	0.15	< 0.10	0.29	< 0.10	< 0.10
Chromium	M	2450	mg/kg	1.0	78	41	35	49	55	32	27
Copper	M	2450	mg/kg	0.50	20	13	35	29	37	31	24
Mercury	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.10	0.26	< 0.10	< 0.10
Nickel	M	2450	mg/kg	0.50	19	17	48	20	23	24	34
Lead	M	2450	mg/kg	0.50	36	19	24	36	93	25	14
Selenium	M	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20	0.49	< 0.20	< 0.20	< 0.20
Zinc	M	2450	mg/kg	0.50	60	38	120	85	130	63	80
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0		< 1.0					
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0		< 1.0					
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0		< 1.0					
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0		< 1.0					
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0		< 1.0					
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0		< 1.0					
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0		< 1.0					
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0		< 1.0					
Total Aliphatic Hydrocarbons	M	2680	mg/kg	5.0		< 5.0					
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0		< 1.0					
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0		< 1.0					
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0		< 1.0					
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0		1.2					
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0		37					
Aromatic TPH >C16-C21	M	2680	mg/kg	1.0		110					
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0		72					

Project: 38208 - Nethermill Farm, Barnsley Road,

Penistone

Client: Eastwood & Partners	Chemtest Job No.:				15-22182	15-22182	15-22182	15-22182	15-22182	15-22182	15-22182
Quotation No.:	Chemtest Sample ID.:				196202	196204	196205	196206	196210	196211	196212
Order No.:	Client Sample Ref.:										
	Client Sample ID.:				WS3	WS3	WS3	WS5	WS6	WS6	WS6
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.2	1.6	2.7	0.6	0.1	0.6	2.55
	Bottom Depth (m):										
	Date Sampled:				21-Sep-2015	21-Sep-2015	21-Sep-2015	21-Sep-2015	21-Sep-2015	21-Sep-2015	21-Sep-2015
Determinand	Accred.	SOP	Units	LOD							
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0		2.5					
Total Aromatic Hydrocarbons	M	2680	mg/kg	5.0		230					
Total Petroleum Hydrocarbons	M	2680	mg/kg	10		230					
Naphthalene	M	2800	mg/kg	0.10	1.9	3.9	0.31	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	0.81	3.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	6.2	150	1.5	< 0.10	0.10	0.19	< 0.10
Fluorene	M	2800	mg/kg	0.10	5.3	140	1.2	< 0.10	< 0.10	0.21	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	53	490	6.2	0.22	1.9	0.58	< 0.10
Anthracene	M	2800	mg/kg	0.10	15	150	1.3	< 0.10	0.45	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	86	440	5.4	< 0.10	4.2	0.14	< 0.10
Pyrene	M	2800	mg/kg	0.10	77	380	4.2	< 0.10	3.4	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	44	200	1.8	< 0.10	1.7	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	40	190	1.6	< 0.10	1.5	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	53	210	1.9	< 0.10	2.2	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	22	98	0.44	< 0.10	0.54	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	51	180	1.6	< 0.10	1.4	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	37	120	0.99	< 0.10	1.2	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	8.4	36	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	27	100	0.66	< 0.10	0.85	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	530	2900	29	< 2.0	19	< 2.0	< 2.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at our Coventry laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 60 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk

Inorganic Compounds	Human Health - Residential with Homegrown Produce (mg/kg)
Arsenic	37
Cadmium	11
Chromium (III)	910
Chromium (VI)	6
Lead	200
Mercury	1.2
Nickel	180
Selenium	250
Copper	2400
Zinc	3700

Organic Compounds	Human Health - Residential with Homegrown Produce (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Naphthalene	2.3	5.6	13
Acenaphthene	210	510	1100
Acenaphthylene	170	420	920
Fluorene	170	400	860
Phenanthrene	95	220	440
Anthracene	2400	5400	11000
Fluoranthene	280	560	890
Pyrene	620	1200	2000
Benzo(a)anthracene	7.2	11	13
Chrysene	15	22	27
Benzo(b)fluoranthene	2.6	3.3	3.7
Benzo(k)fluoranthene	77	93	10
Benzo(a)pyrene	2.2	2.7	3.0
Dibenz(a,h)anthracene	0.24	0.28	0.3
Indeno(1,2,3-cd)pyrene	27	36	41
Benzo(g,h,i)perylene	320	340	350
Benzene	0.087	0.17	0.37
Toluene	130	290	660
Ethylbenzene	47	110	260
o-Xylene	60	140	330
m-Xylene	59	140	320
p-Xylene	56	130	310

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Prepared	KDL	Checked	CAT	Date	03.11.15	Job No	38208
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