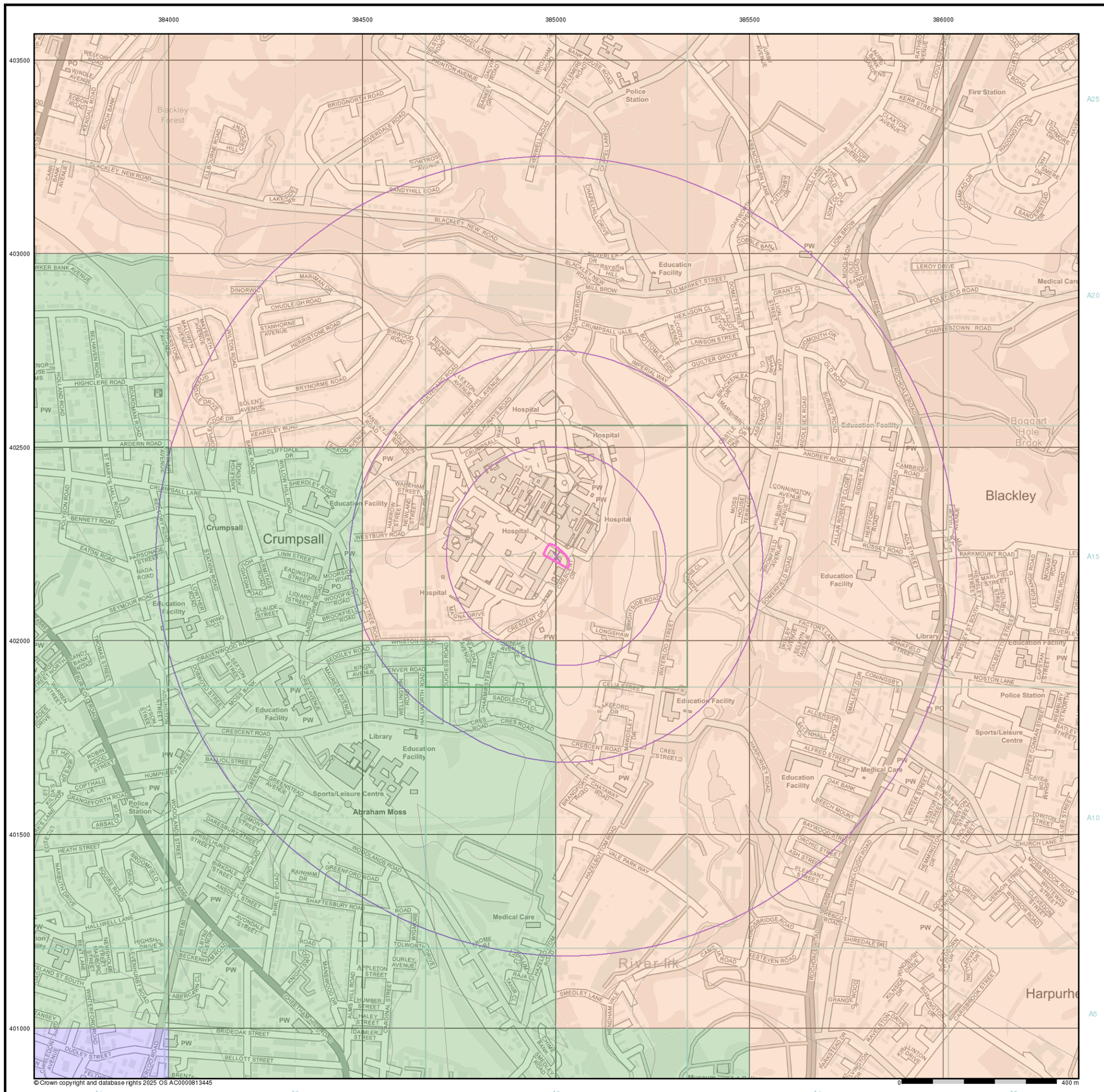


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Curtins

General

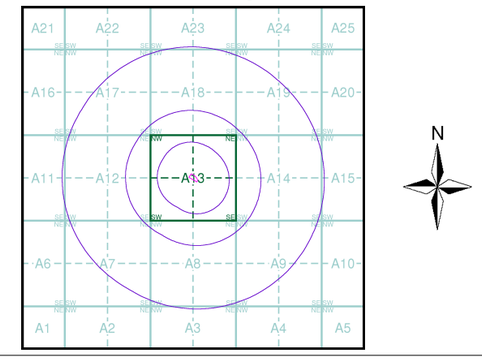
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



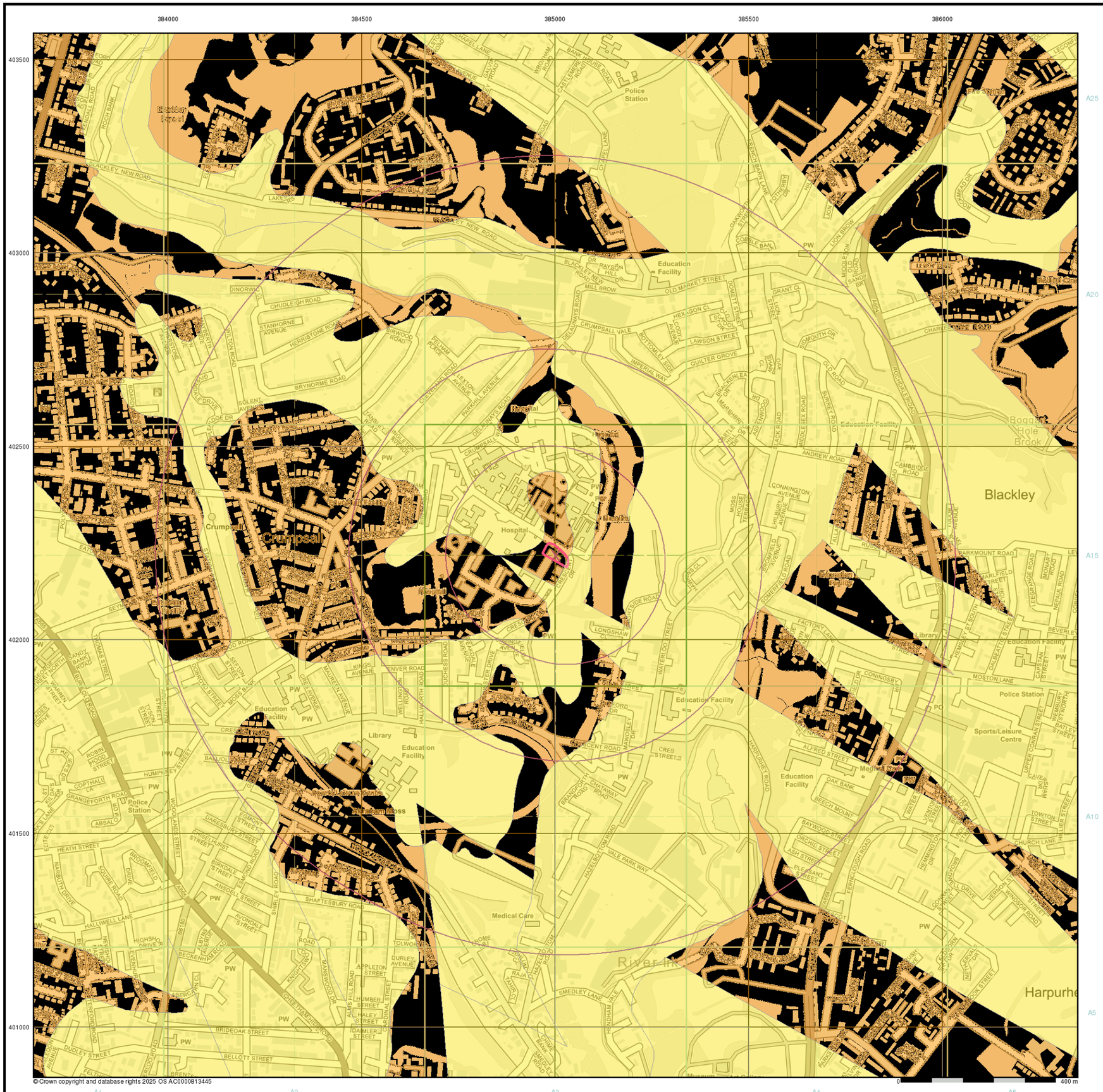
Order Details

Order Details:	388335398_1_1
Customer Ref:	EBMA27415
National Grid Reference:	385000, 402220
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

Site Details

North Manchester General Hospital, Delaunays Road, MANCHESTER, M8 5RB

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Curtins

General

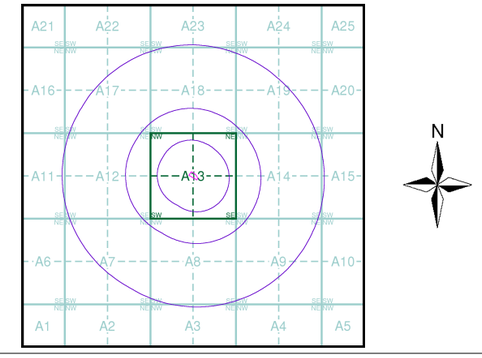
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



Order Details

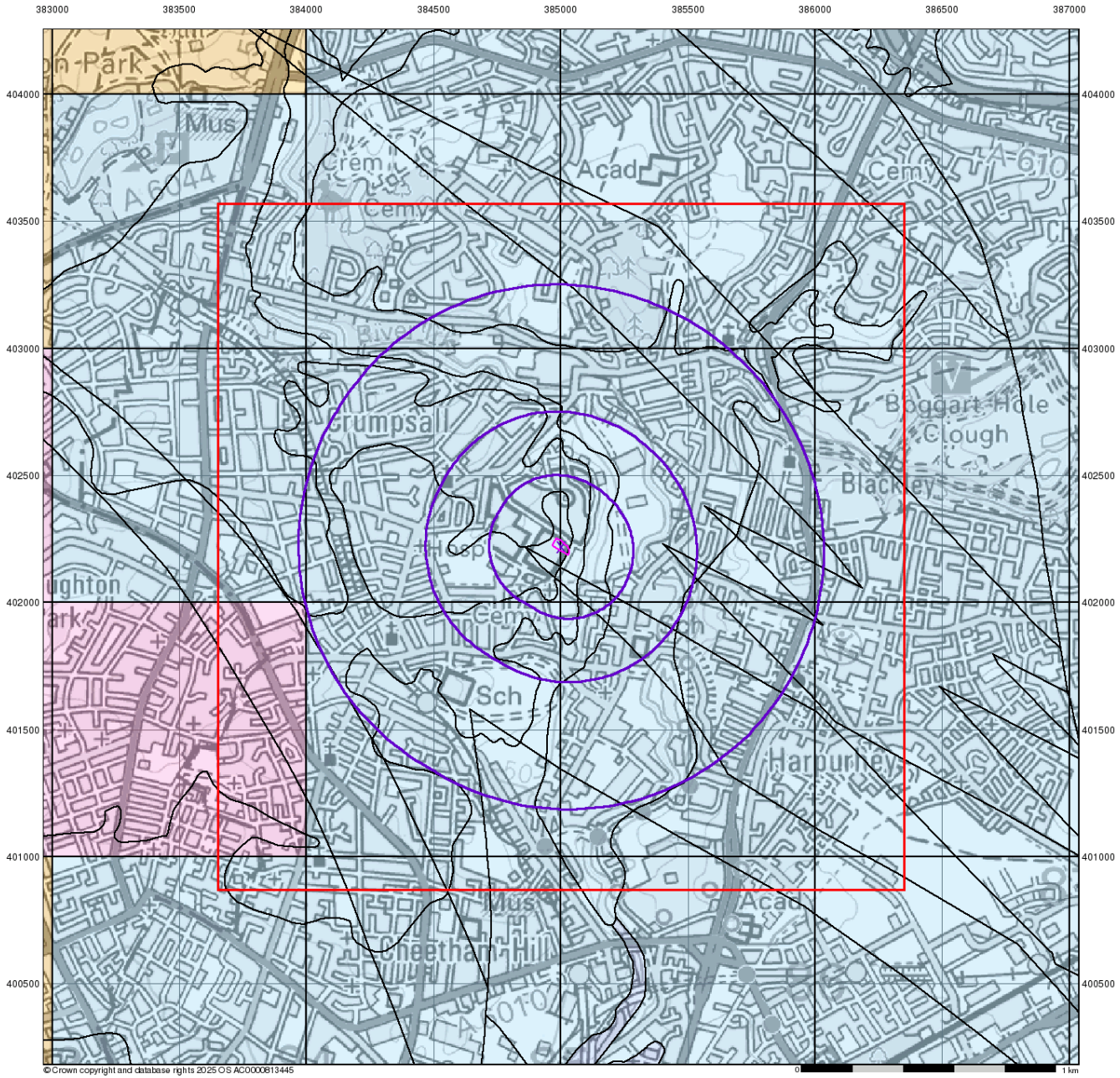
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Customer Ref:	EBMA27415
National Grid Reference:	385000, 402220
Slice:	A
Site Area (Ha):	0.21
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Groundwater Vulnerability

General

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

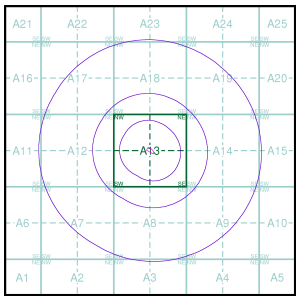
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



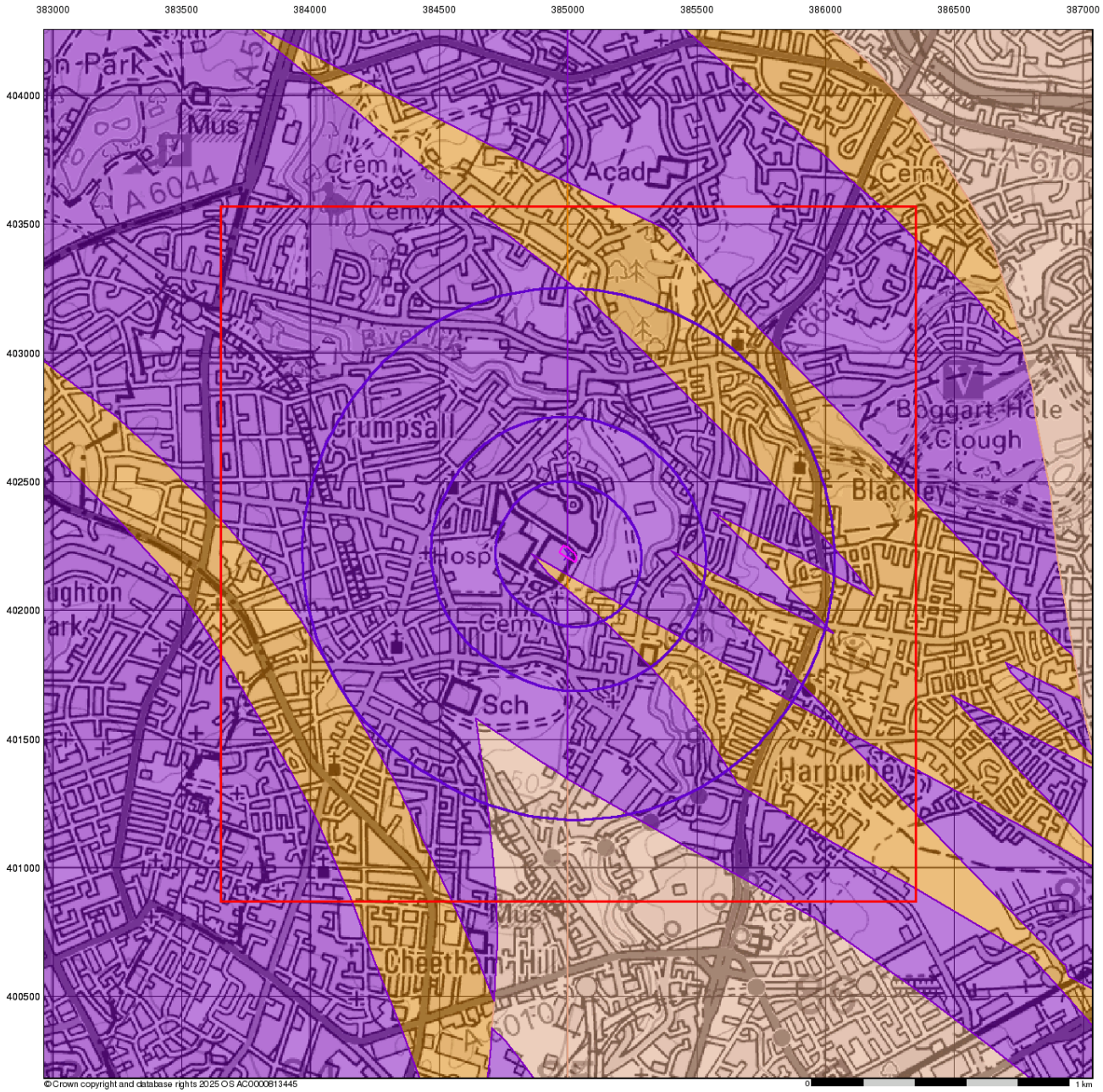
Order Details

Order Number:	388335398_1_1
Customer Ref:	EBMA27415
National Grid Reference:	385000, 402220
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

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Bedrock Aquifer Designation

General

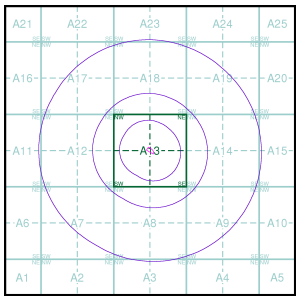
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



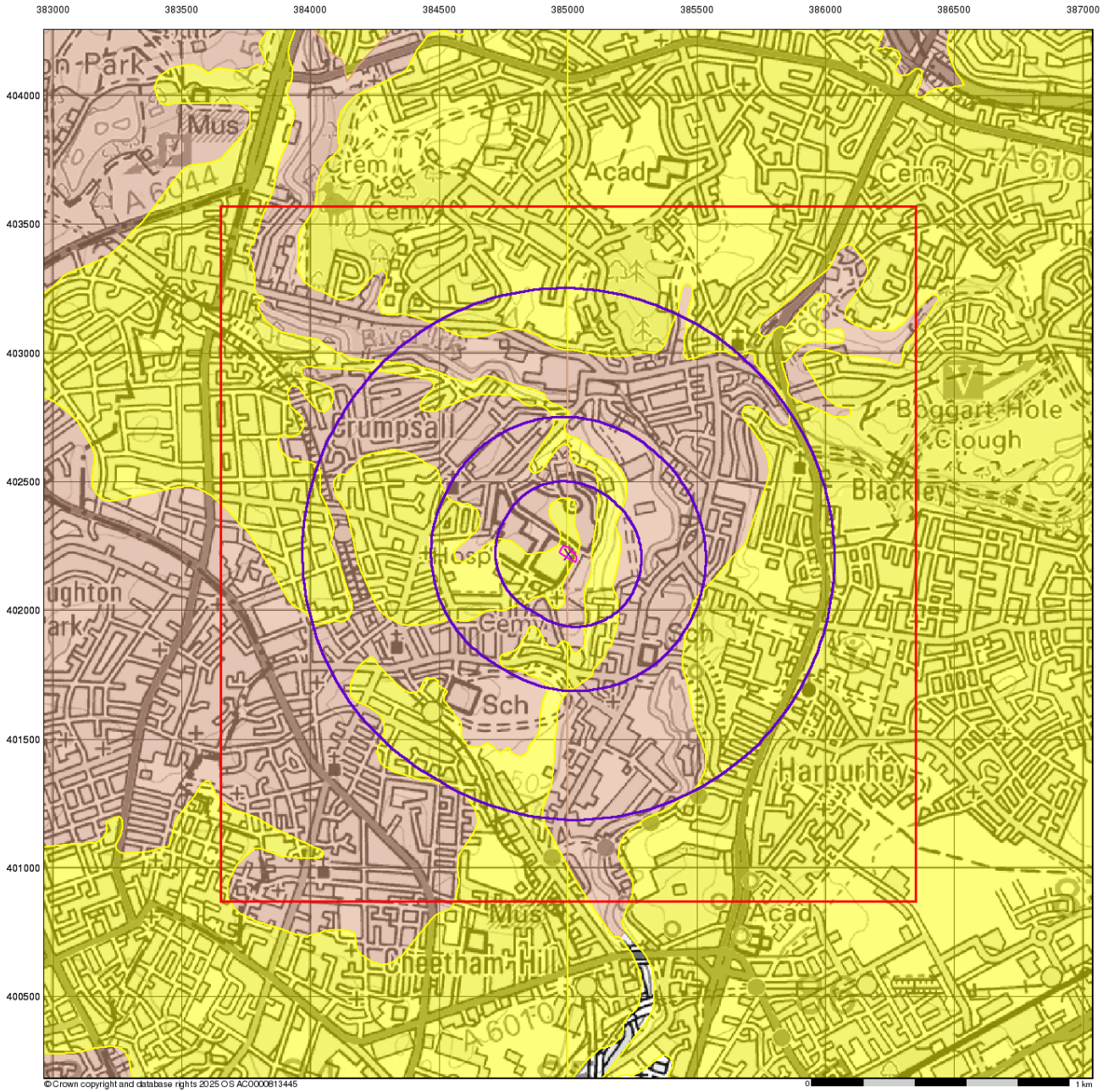
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Order Number:	388335398_1_1
Customer Ref:	EBMA27415
National Grid Reference:	385000, 402220
Slice:	A
Site Area (Ha):	0.21
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Superficial Aquifer Designation

General

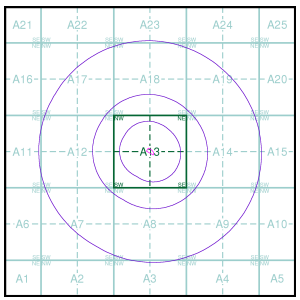
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



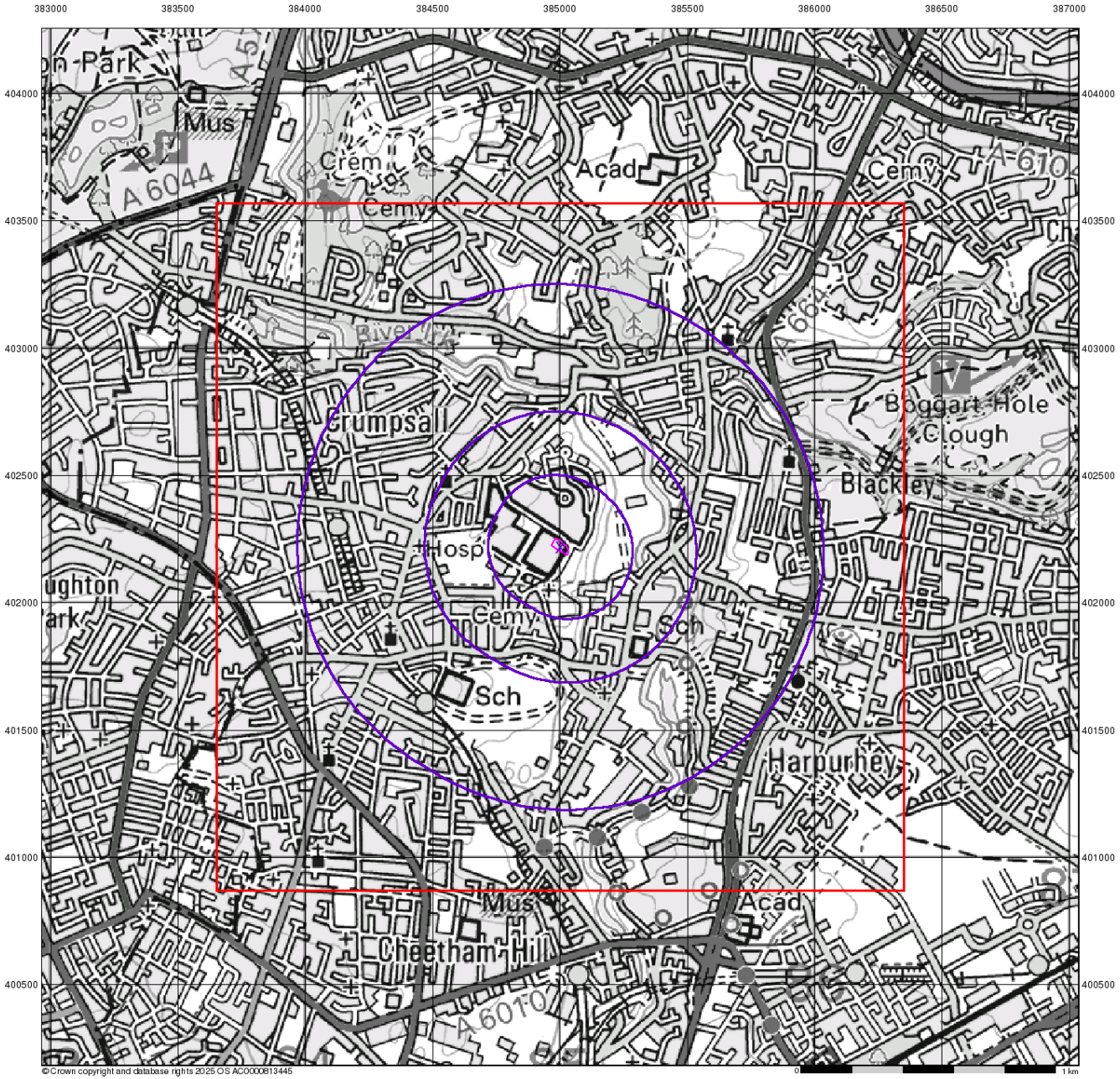
Order Details

Order Number:	388335398_1_1
Customer Ref:	EBMA27415
National Grid Reference:	385000, 402220
Slice:	A
Site Area (Ha):	0.21
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Source Protection Zones

General

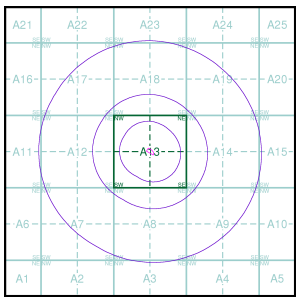
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



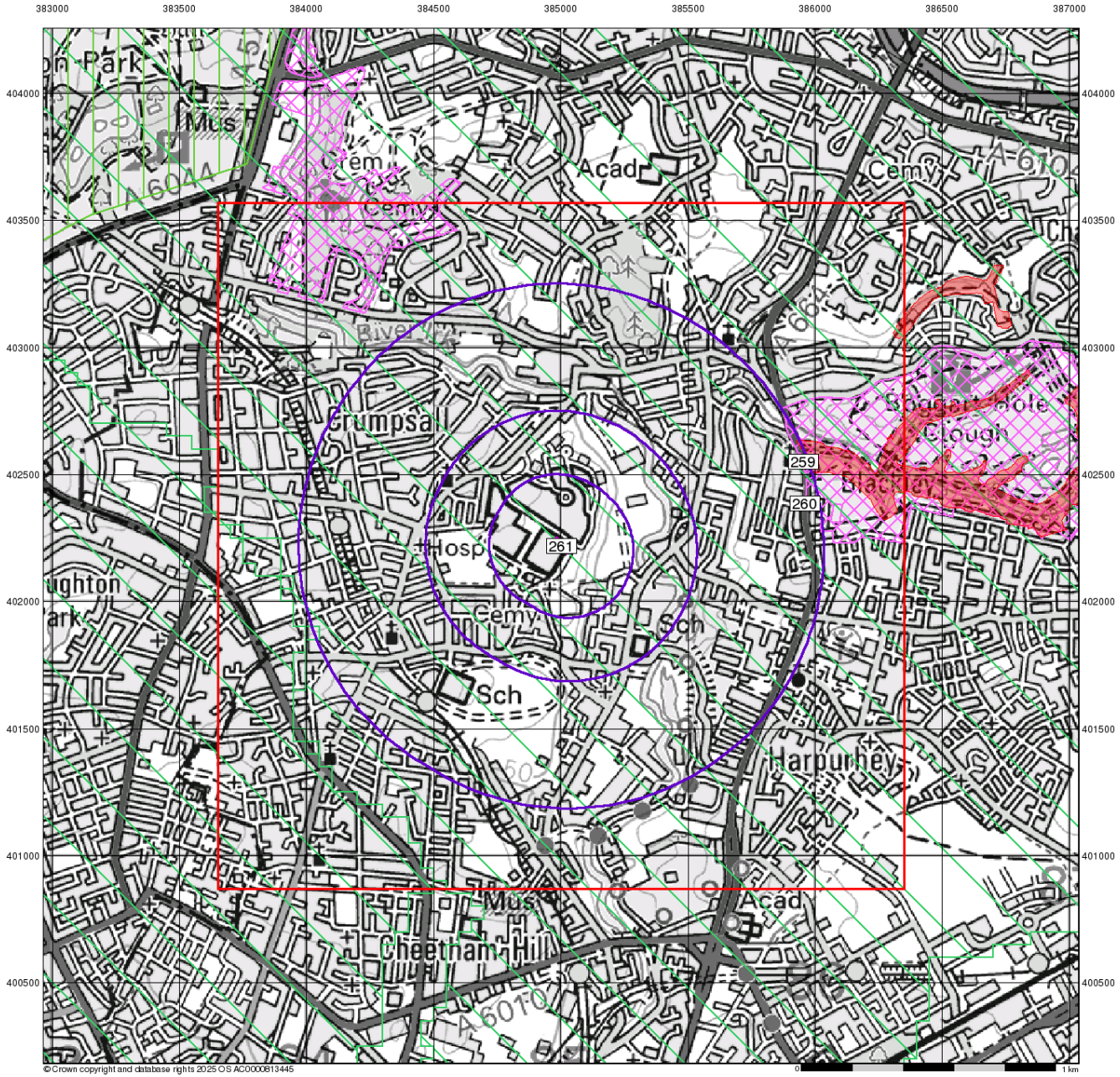
Order Details

Order Number:	388335398_1_1
Customer Ref:	EBMA27415
National Grid Reference:	385000, 402220
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

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Sensitive Land Uses

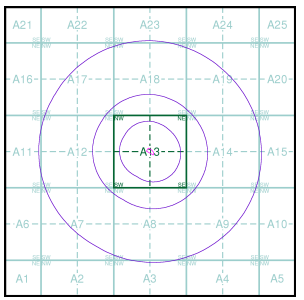
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



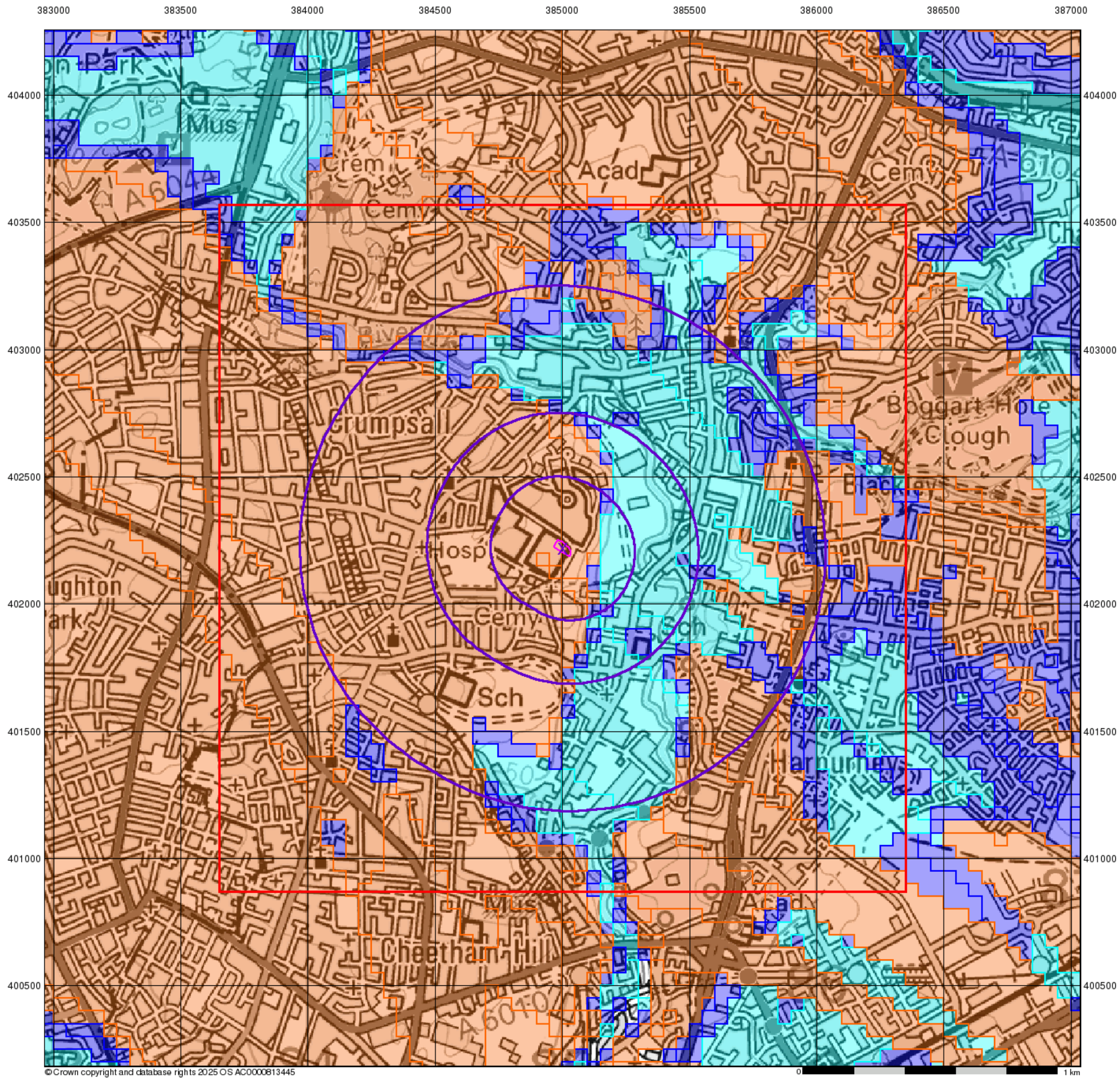
Order Details

Order Number:	388335398_1_1
Customer Ref:	EBMA27415
National Grid Reference:	385000, 402220
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

Site Details

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BGS Flood GFS Data

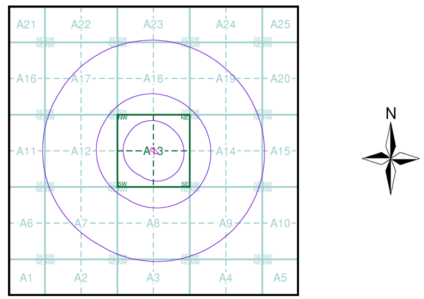
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	388335398_1_1
Customer Ref:	EBMA27415
National Grid Reference:	385000, 402220
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

Site Details

North Manchester General Hospital, Delaunays Road, MANCHESTER, M8 5RB

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Appendix C – Exploratory Hole Logs

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Borehole Log

Borehole No. **WS01**

Sheet 1 of 1

Project Name: NMGH - WP14	Project No. 075805.307	Co-ords: 402229.79 - 384982.97	Hole Type WS
Location: NMGH, Central Drive, M8 5RB		Level: 74.39	Scale 1:30
Client: Hive Projects		Dates: 13/10/2025 - 13/10/2025	Logged By JP

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES					MADE GROUND: Light greyish brown sandy gravel with a medium cobble content. Sand is fine to coarse. Gravel is fine to coarse, subangular of limestone and quartzite. Cobbles are subangular of limestone.
		0.62	ES		0.61	73.78		MADE GROUND - REWORKED: Dark brown slightly clayey slightly gravelly fine to coarse sand. Gravel is fine to coarse of sandstone, mudstone and brick.
		1.20 1.00 - 1.50	B	N=14 (4,3/3,4,3,4)				
	▼				1.80	72.59		Soft brown very sandy CLAY. Sand is fine to coarse.
		2.00		N=4 (2,1/1,1,1,1)				
		2.50 - 2.60	D					
		3.00		N=20 (4,4/5,5,5,5)	3.00	71.39		Medium dense greyish brown fine to medium SAND.
		4.00		N=12 (3,3/3,3,3,3)				
		4.50 - 4.60	D		4.50	69.89		Medium dense brown slightly gravelly fine to coarse SAND with occasional bands of coal. Gravel is fine to corse, angular to subangular of coal.
		5.00		N=15 (2,2/3,4,4,4)				
					5.45	68.94		End of borehole at 5.45 m

Remarks

Window sample borehole to 5.45m bgl. Position was GPR cleared and CAT scanned by Discovery Surveys and a Curtins Engineer. A perched water strike was noted at 1.8m bgl. Borehole reached target depth.

Borehole Log

Borehole No. **WS02**

Sheet 1 of 1

Project Name: NMGH - WP14	Project No. 075805.307	Co-ords: 402229.58 - 385004.82	Hole Type WS
Location: NMGH, Central Drive, M8 5RB		Level: 74.66	Scale 1:30
Client: Hive Projects		Dates: 13/10/2025 - 13/10/2025	Logged By JP

Well	Water Strikes	Samples and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
		0.00 - 0.40	B					MADE GROUND: Light greyish brown sandy gravel with a medium cobble content. Sand is fine to coarse. Gravel is fine to coarse, subangular of limestone and quartzite. Cobbles are subangular of limestone.
		0.30	ES					
		0.45	ES		0.40	74.26		MADE GROUND - REWORKED: Reddish brown slightly clayey slightly gravelly fine to coarse sand. Gravel is fine to coarse, angular to subangular of sandstone and coal.
					1.00	73.66		Firm brown slightly gravelly very sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse, subangular of coal.
		1.20		N=12 (3,3/3,3,4,2)				
		1.20 - 1.30	D					
					1.60	73.06		Medium dense reddish brown slightly gravelly slightly clayey fine to coarse SAND.Gravel is fine to coarse, subangular of coal.
		2.00		N=14 (2,2/3,3,4,4)				
					2.15	72.51		
		2.15 - 2.25	D		2.25	72.41		Medium dense reddish brown sandy GRAVEL. Sand is fine to coarse. Gravel is fine to coarse, subangular of ironstone.
	▼				2.43	72.23		Medium dense reddish brown slightly gravelly fine to coarse SAND. Gravel is fine to coarse, subangular of ironstone and coal.
		2.50 - 2.60	D					Firm brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse, subangular of coal.
		3.00		N=16 (3,4/3,3,5,5)	3.00	71.66		*From 2.43m to 3.00m bgl: Strata is damp*
								Medium dense light brown fine to medium SAND.
	▼							*From 3.90m to 4.00m bgl: Strata is damp*
		4.00		N=17 (3,4/4,4,4,5)				
		4.00 - 5.00	B					
		5.00		N=19 (2,3/4,5,5,5)				
					5.45	69.21		End of borehole at 5.45 m

Remarks

Window sample borehole to 5.45m bgl. Position was GPR cleared and CAT scanned by Discovery Surveys and a Curtins Engineer. A perched water strike was noted at 2.34m and 3.90m bgl. Borehole reached target depth.

Borehole Log

Borehole No. **WS03**

Sheet 1 of 1

Project Name: NMGH - WP14	Project No. 075805.307	Co-ords: 402205.52 - 385018.87	Hole Type WS
Location: NMGH, Central Drive, M8 5RB		Level: 75.50	Scale 1:30
Client: Hive Projects		Dates: 13/10/2025 - 13/10/2025	Logged By JP

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES					MADE GROUND: Light greyish brown sandy gravel with a medium cobble content. Sand is fine to coarse. Gravel is fine to coarse, subangular of limestone and quartzite. Cobbles are subangular of limestone.
		0.00 - 0.40	B					
		0.40	ES		0.40	75.10		MADE GROUND- REWORKED: Reddish brown slightly gravelly fine to medium SAND. Gravel is coarse, subangular of limestone.
		1.20		N=20 (3,3/5,5,5,5)	1.20	74.30		Firm brown very sandy CLAY. Sand is fine to coarse.
		1.30 - 1.40	D		1.40	74.10		Medium dense light brown fine to medium SAND.
		1.50 - 2.00	B					
		2.00		N=24 (2,2/4,6,6,8)				
		2.80 - 2.90	D		2.75	72.74		Medium dense brown clayey fine to medium SAND.
		3.00		N=20 (4,5/5,5,5,5)	2.95	72.54		Medium dense reddish brown slightly gravelly fine to coarse SAND. Gravel is fine to medium, subangular of coal.
					3.40	72.10		Medium dense light brown fine to medium SAND.
		4.00		N=16 (2,2/3,4,4,5)	4.00	71.50		Medium dense reddish brown gravelly fine to coarse SAND. Gravel is fine to coarse, angular to subangular of coal.
		4.00 - 5.00	B					
		5.00		N=14 (2,3/4,3,5,2)				
					5.45	70.04		End of borehole at 5.45 m

Remarks

Window sample borehole to 5.45m bgl. Position was GPR cleared and CAT scanned by Discovery Surveys and a Curtins Engineer. No water strikes were noted during the borehole progression. Borehole reached target depth.

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

ARCHWAY ENGINEERING UK LTD
AINLEYS INDUSTRIAL ESTATE
ELLAND
WEST YORKSHIRE
HX5 9JP

SPT Hammer Ref:	AR4035
Test Date:	11/04/2025
Report Date:	11/04/2025
File Name:	AR4035.spt
Test Operator:	CM

Instrumented Rod Data

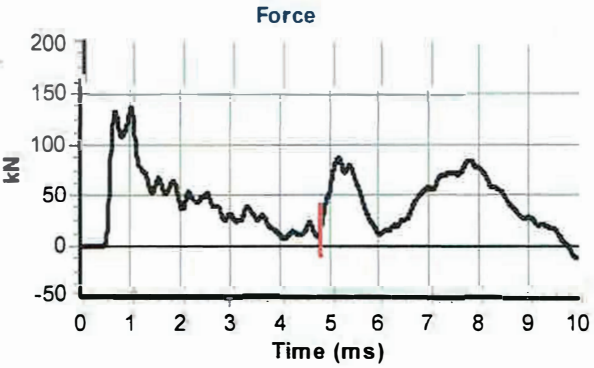
Diameter d_r (mm):	54
Wall Thickness t_r (mm):	6.5
Assumed Modulus E_a (GPa):	208
Accelerometer No.1:	72572
Accelerometer No.2:	72757

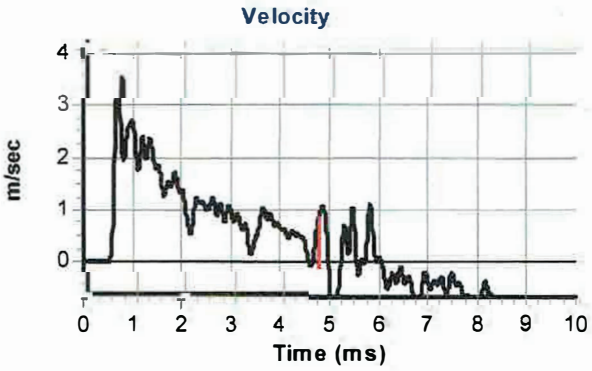
SPT Hammer Information

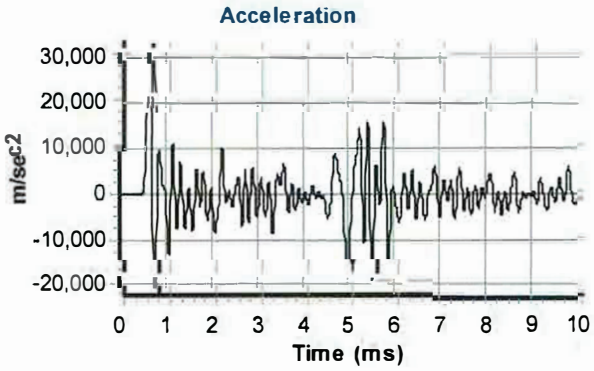
Hammer Mass m (kg):	63.5
Falling Height h (mm):	760
SPT String Length L (m):	10.0

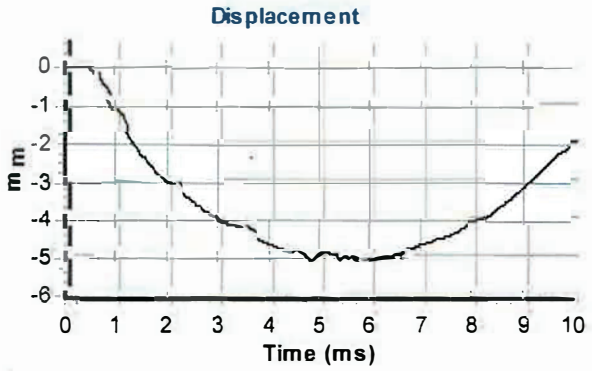
Comments / Location

TAYLOR DRILLING SERVICES LTD-81636









Calculations

Area of Rod A (mm2):	970
Theoretical Energy E_{theor} (J):	473
Measured Energy E_{meas} (J):	340

Energy Ratio E_r (%): 72

[redacted]

Signed: C.McCLUSKEY

Title: FITTER

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Borehole Log

Borehole No. **CBR01**

Sheet 1 of 1

Project Name: NMGH - WP14	Project No. 075805.307	Co-ords: 402236.06 - 384988.93	Hole Type TP
Location: NMGH, Central Drive, M8 5RB		Level: 74.30	Scale 1:30
Client: Hive Projects		Dates: 14/10/2025 - 14/10/2025	Logged By JP

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.62	73.68		MADE GROUND: Light greyish brown sandy gravel with a medium cobble content. Sand is fine to coarse. Gravel is fine to coarse, subangular of limestone and quartzite. Cobbles are subangular of limestone.
					1.00	73.30		MADE GROUND - REWORKED: Reddish brown slightly clayey slightly gravelly fine to coarse sand. Gravel is fine to coarse, angular to subangular of limestone and brick.
		1.10 - 1.20	D		1.50	72.80		Dark reddish brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse, subangular of coal.
		1.50 - 2.00	B		2.10	72.20		Firm brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded of sandstone, mudstone and coal.
								End of borehole at 2.10 m

1 2 3 4 5 6

Remarks

Machine excavated trial pit to 2.1m bgl with a CBR plate test at 0.65m bgl and a follow-on BRE Soakaway test from 1.00m to 2.10m bgl. Position was GPR cleared and CAT scanned by Discovery Surveys and a Curtins Engineer. No water strikes were noted during the excavation. CBR plate test used a 610mm plate.

AGS

Curtins

Borehole Log

Borehole No.
CBR02
Sheet 1 of 1

Project Name: NMGH - WP14	Project No. 075805.307	Co-ords: 402217.81 - 385006.39	Hole Type TP
Location: NMGH, Central Drive, M8 5RB		Level: 75.06	Scale 1:30
Client: Hive Projects		Dates: 14/10/2025 - 14/10/2025	Logged By JP

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Light greyish brown sandy gravel with a medium cobble content. Sand is fine to coarse. Gravel is fine to coarse, subangular of limestone and quartzite. Cobbles are subangular of limestone.
					0.55	74.51		MADE GROUND - REWORKED: Reddish brown slightly gravelly fine to medium sand. Gravel is fine to coarse, subangular of coal and brick.
					1.10	73.96		Reddish brown slightly gravelly very sandy CLAY with bands of coal. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of coal.
		1.50 - 1.60	D					
					2.85	72.21		Light brown slightly clayey fine to medium SAND.
					3.70	71.36		End of borehole at 3.70 m

Remarks
Machine excavated trial pit to 3.7m bgl with a CBR plate test at 0.68m bgl and a follow-on trial pit. Position was GPR cleared and CAT scanned by Discovery Surveys and a Curtins Engineer. No water strikes were noted during the excavation. CBR plate test used a 610mm plate.

AGS

Curtins

Borehole Log

Borehole No.
CBR03
Sheet 1 of 1

Project Name:	NMGH - WP14	Project No. 075805.307	Co-ords: 402221.23 - 385018.05	Hole Type TP
Location:	NMGH, Central Drive, M8 5RB		Level: 75.14	Scale 1:30
Client:	Hive Projects		Dates: 14/10/2025 - 14/10/2025	Logged By JP

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.45	74.69		MADE GROUND: Light greyish brown sandy gravel with a medium cobble content. Sand is fine to coarse. Gravel is fine to coarse, subangular of limestone and quartzite. Cobbles are subangular of limestone.
					0.60	74.54		MADE GROUND - REWORKED: Reddish brown slightly gravelly fine to coarse sand. Gravel is fine to coarse, subangular of limestone.
					1.10	74.04		MADE GROUND - REWORKED: Dark reddish brown slightly clayey gravelly fine to coarse sand with a low cobble content and a low rootlet content. Gravel is fine to coarse, subangular of limestone and lime. Cobbles are subangular of lime.
								End of borehole at 1.10 m

1
2
3
4
5
6

Remarks
Machine excavated trial pit to 1.1m bgl with a CBR plate test at 0.48m bgl and a follow-on BRE Soakaway test from 0.60m to 1.10m bgl. Position was GPR cleared and CAT scanned by Discovery Surveys and a Curtins Engineer. No water strikes were noted during the excavation. CBR plate test used a 610mm plate.

AGS

Appendix D – Environmental Laboratory Results

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envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/11833
Issue Number: 1 **Date:** 28 October, 2025

Client:
Curtins Consulting (Manchester)
Merchant Exchange
17-19 Whitworth Street
Manchester
UK
M1 5WG

Project Manager: Jonathan Provis/Niall Farnworth/Rebecca Baksh-Jone
Project Name: NMGH-WP14
Project Ref: 75805
Order No: 27337
Date Samples Received: 16/10/25
Date Instructions Received: 17/10/25
Date Analysis Completed: 28/10/25

Approved by:

[redacted]
Danielle Brierley
Client Services Supervisor

Envirolab Job Number: 25/11833

Client Project Name: NMGH-WP14

Client Project Ref: 75805

Lab Sample ID	25/11833/1	25/11833/2	25/11833/3	25/11833/4	25/11833/5	25/11833/6		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS01	WS01	WS02	WS02	WS03	WS03				
Depth to Top	0.20	0.62	0.30	0.45	0.10	0.40				
Depth To Bottom										
Date Sampled	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4A	4A	4A	4A	4A	1				
% Moisture at <40C$_A$	3.7	9.6	2.3	15.5	3.4	9.0		% w/w	0.1	A-T-044
% Stones >10mm$_A$	9.4	<0.1	22.1	<0.1	19.3	<0.1		% w/w	0.1	A-T-044
pH$_D$ M#	9.07	10.46	9.33	7.38	9.01	7.76		pH	0.01	A-T-031s
Sulphate (water sol 2:1)$_D$ M#	0.04	0.02	0.02	0.01	0.03	<0.01		g/l	0.01	A-T-026s
Cyanide (total)$_A$ M#	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		mg/kg	0.2	A-T-050s
Organic Matter$_D$ M#	0.82	1.36	2.85	1.14	2.99	0.51		% w/w	0.14	A-T-032s
Arsenic$_D$ M#	2	2	<1	2	2	3		mg/kg	1	A-T-024s
Boron (water soluble)$_D$ M#	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		mg/kg	1	A-T-027s
Cadmium$_D$	1.4	<1.0	1.0	<1.0	<1.0	<1.0		mg/kg	1	A-T-024s
Copper$_D$ M#	9	10	5	9	6	9		mg/kg	1	A-T-024s
Chromium$_D$ M#	5	6	5	5	6	4		mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-040s
Lead$_D$ M#	46	6	23	5	37	5		mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17		mg/kg	0.17	A-T-024s
Nickel$_D$ M#	9	7	5	6	6	6		mg/kg	1	A-T-024s
Selenium$_D$ M#	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-024s
Zinc$_D$ M#	53	19	37	22	45	21		mg/kg	1	A-T-024s

Envirolab Job Number: 25/11833

Client Project Name: NMGH-WP14

Client Project Ref: 75805

Lab Sample ID	25/11833/1	25/11833/2	25/11833/3	25/11833/4	25/11833/5	25/11833/6		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS01	WS01	WS02	WS02	WS03	WS03				
Depth to Top	0.20	0.62	0.30	0.45	0.10	0.40				
Depth To Bottom										
Date Sampled	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4A	4A	4A	4A	4A	1				
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD				A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-	-				A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	-	-				A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A				A-T-045

Envirolab Job Number: 25/11833

Client Project Name: NMGH-WP14

Client Project Ref: 75805

Lab Sample ID	25/11833/1	25/11833/2	25/11833/3	25/11833/4	25/11833/5	25/11833/6		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS01	WS01	WS02	WS02	WS03	WS03				
Depth to Top	0.20	0.62	0.30	0.45	0.10	0.40				
Depth To Bottom										
Date Sampled	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4A	4A	4A	4A	4A	1				
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.08	0.06	<0.04	<0.04	<0.04	<0.04		mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.18	0.04	<0.04	<0.04	<0.04	<0.04		mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.19	<0.05	<0.05	<0.05	<0.05	<0.05		mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.08	<0.05	<0.05	<0.05	<0.05	<0.05		mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07		mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.12	<0.06	<0.06	<0.06	<0.06	<0.06		mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04		mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.17	0.11	<0.08	<0.08	<0.08	<0.08		mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.08	<0.03	<0.03	<0.03	<0.03	<0.03		mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	0.04	<0.03	<0.03	<0.03	<0.03		mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.08	0.08	0.05	<0.03	<0.03	<0.03		mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.17	0.10	<0.07	<0.07	<0.07	<0.07		mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	1.15	0.43	<0.08	<0.08	<0.08	<0.08		mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/11833

Client Project Name: NMGH-WP14

Client Project Ref: 75805

Lab Sample ID	25/11833/1	25/11833/2	25/11833/3	25/11833/4	25/11833/5	25/11833/6		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS01	WS01	WS02	WS02	WS03	WS03				
Depth to Top	0.20	0.62	0.30	0.45	0.10	0.40				
Depth To Bottom										
Date Sampled	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25	13-Oct-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4A	4A	4A	4A	4A	1				
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	2	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	5	<1	<1	<1	2	<1		mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	24	2	3	<1	4	<1		mg/kg	1	A-T-055s
Total Aliphatics$_A$	31	2	3	<1	6	<1		mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	14	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	4	2	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	11	4	2	<1	<1	<1		mg/kg	1	A-T-055s
Total Aromatics$_A$	16	21	2	<1	2	<1		mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	47	23	5	<1	8	<1		mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Curtins Consulting (Manchester), Merchant Exchange, 17-19 Whitworth Street , Manchester, UK, M1 5WG

Project: NMGH-WP14

Clients Project No: 75805

Project No: 25/11833

Date Received: 17/10/2025 (am)

Cool Box Temperatures (°C): 9.5, 9.7

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/11833/1	25/11833/2	25/11833/3	25/11833/4	25/11833/5	25/11833/6
Client Sample No						
Client Sample ID/Depth	WS01 0.20m	WS01 0.62m	WS02 0.30m	WS02 0.45m	WS03 0.10m	WS03 0.40m
Date Sampled	13/10/25	13/10/25	13/10/25	13/10/25	13/10/25	13/10/25
A-T-004s	24/10/2025	24/10/2025	24/10/2025		24/10/2025	24/10/2025
A-T-007m	24/10/2025	24/10/2025	24/10/2025		24/10/2025	24/10/2025
A-T-019s	24/10/2025	24/10/2025	24/10/2025	24/10/2025	24/10/2025	24/10/2025
A-T-022s	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
A-T-024s	23/10/2025	23/10/2025	23/10/2025	23/10/2025	23/10/2025	23/10/2025
A-T-025w	28/10/2025	28/10/2025	28/10/2025		28/10/2025	28/10/2025
A-T-026s	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
A-T-026w	28/10/2025	28/10/2025	28/10/2025		28/10/2025	28/10/2025
A-T-026w (F)	28/10/2025	28/10/2025	28/10/2025		28/10/2025	28/10/2025
A-T-027s	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
A-T-030s	22/10/2025	22/10/2025	23/10/2025		23/10/2025	22/10/2025
A-T-031s	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
A-T-031w	28/10/2025	28/10/2025	28/10/2025		28/10/2025	28/10/2025
A-T-032s	22/10/2025	22/10/2025	23/10/2025	22/10/2025	23/10/2025	22/10/2025
A-T-032w	28/10/2025	28/10/2025	28/10/2025		28/10/2025	28/10/2025
A-T-037w	28/10/2025	28/10/2025	28/10/2025		28/10/2025	28/10/2025
A-T-040s	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
A-T-042sTCN	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
A-T-044	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
A-T-045	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-050s	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
A-T-050w	28/10/2025	28/10/2025	28/10/2025		28/10/2025	28/10/2025
A-T-055s	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
A-T-ANCs	23/10/2025	23/10/2025	24/10/2025		23/10/2025	23/10/2025
Calc-As Recd	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
Calc-no stones	28/10/2025	28/10/2025	28/10/2025		28/10/2025	28/10/2025
Probe (w)	28/10/2025	28/10/2025	28/10/2025		28/10/2025	28/10/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

Final Test Report

Envirolab Job Number: 25/11833
Issue Number: 1 Date: 28-Oct-25

Client: Curtins Consulting (Manchester)
Merchant Exchange
17-19 Whitworth Street
Manchester
UK
M1 5WG

Project Manager: Jonathan Provis/Niall Farnworth/Rebecca Baksh-Jone
Project Name: NMGH-WP14
Project Ref: 75805
Order No: 27337

Date Samples Received: 16-Oct-25
Date Instructions Received: 17-Oct-25
Date Analysis Completed: 28-Oct-25

Notes - Soil analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

This report shall not be reproduced, except in full, without written approval from Envirolab.

Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

If results are in italic font they are associated with such quality control failures and may be unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid

Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

Secondary Matrix Codes: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

HWOL TPH Code: EH_CU_1D_AL: Extractable hydrocarbons - i.e. everything extracted by the solvent(s), Clean-up - e.g. by florisil, silica gel, GC - Single coil gas chromatography, Aliphatics only

Approved by:

[redacted]

Danielle Brierley
Client Services Supervisor

Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	25/11833/1				
Client Sample Number						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID				WS01				
Depth to Top				0.2				
Depth to Bottom								
Date Sampled				13/10/2025				
Sample Type				Soil - ES				
Sample Matrix Code				4A				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**9.07**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.02**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**<0.01**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**2.1**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**0.47**		3	5	6
PAH Sum of 17 (mg/kg)$_A$	A-T-019	N	N	**1.2**		100	-	-
Mineral Oil (mg/kg)$_{A\ EH_CU_1D_AL}$	A-T-007	N	N	**<10**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1** mg/l	**10:1** mg/kg	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	<0.001	**<0.01**	0.5	2	25
Barium	A-T-025	N	N	0.162	**1.620**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	<0.001	**<0.01**	0.5	10	70
Copper	A-T-025	N	N	<0.004	**<0.04**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	<0.001	**<0.01**	0.5	10	30
Nickel	A-T-025	N	N	<0.002	**<0.02**	0.4	10	40
Lead	A-T-025	N	N	<0.001	**<0.01**	0.5	10	50
Antimony	A-T-025	N	N	<0.001	**<0.01**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	<0.002	**<0.02**	4	50	200
Chloride	A-T-026	N	N	<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N	0.2	**2.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	5	**50**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	22	**220**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<2.0	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	9.7				
Conductivity (µS/cm)	A-T-037	N	N	44				
Mass Sample (kg)				0.181				
Dry Matter (%)	A-T-044	N	N	96.8				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	25/11833/2		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample Number								
Client Sample ID				WS01				
Depth to Top				0.62				
Depth to Bottom								
Date Sampled				13/10/2025				
Sample Type				Soil - ES				
Sample Matrix Code				4A				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**10.46**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.03**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.01**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**2.3**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**0.79**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**0.44**		100	-	-
Mineral Oil (mg/kg)$_{A\ EH_CU_1D_AL}$	A-T-007	N	N	**<10**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1** mg/l	**10:1** mg/kg	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	<0.001	**<0.01**	0.5	2	25
Barium	A-T-025	N	N	0.049	**0.490**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	0.003	**0.030**	0.5	10	70
Copper	A-T-025	N	N	0.015	**0.150**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.006	**0.060**	0.5	10	30
Nickel	A-T-025	N	N	0.009	**0.090**	0.4	10	40
Lead	A-T-025	N	N	<0.001	**<0.01**	0.5	10	50
Antimony	A-T-025	N	N	0.001	**0.010**	0.06	0.7	5
Selenium	A-T-025	N	N	0.001	**0.010**	0.1	0.5	7
Zinc	A-T-025	N	N	0.003	**0.030**	4	50	200
Chloride	A-T-026	N	N	2	**19**	800	15000	25000
Fluoride	A-T-026	N	N	1.3	**13.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	4	**42**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	570	**5700**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<2.0	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	11.9				
Conductivity (µS/cm)	A-T-037	N	N	1139				
Mass Sample (kg)				0.188				
Dry Matter (%)	A-T-044	N	N	93.2				

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Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	25/11833/3		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample Number								
Client Sample ID				WS02				
Depth to Top				0.3				
Depth to Bottom								
Date Sampled				13/10/2025				
Sample Type				Soil - ES				
Sample Matrix Code				4A				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**9.33**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**4.53**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.28**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**1.7**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**1.65**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**<0.08**		100	-	-
Mineral Oil (mg/kg)$_{A\ EH_CU_1D_AL}$	A-T-007	N	N	**<10**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1** mg/l	**10:1** mg/kg	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	<0.001	**<0.01**	0.5	2	25
Barium	A-T-025	N	N	0.127	**1.270**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	<0.001	**<0.01**	0.5	10	70
Copper	A-T-025	N	N	<0.004	**<0.04**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	<0.001	**<0.01**	0.5	10	30
Nickel	A-T-025	N	N	<0.002	**<0.02**	0.4	10	40
Lead	A-T-025	N	N	<0.001	**<0.01**	0.5	10	50
Antimony	A-T-025	N	N	<0.001	**<0.01**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	<0.002	**<0.02**	4	50	200
Chloride	A-T-026	N	N	<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N	<0.10	**<1**	10	150	500
Sulphate as SO_4	A-T-026	N	N	<1.00	**<10**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	23	**230**	4000	60000	100000
Phenol Index	A-T-050	N	N	0.01	**0.10**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<2.0	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	9.7				
Conductivity (µS/cm)	A-T-037	N	N	45				
Mass Sample (kg)				0.178				
Dry Matter (%)	A-T-044	N	N	98.1				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	25/11833/5		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample Number								
Client Sample ID				WS03				
Depth to Top				0.1				
Depth to Bottom								
Date Sampled				13/10/2025				
Sample Type				Soil - ES				
Sample Matrix Code				4A				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**9.01**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**1.89**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.08**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**1.4**	1.4	-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**1.74**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**<0.08**		100	-	-
Mineral Oil (mg/kg)$_{A\ EH_CU_1D_AL}$	A-T-007	N	N	**11**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1** mg/l	**10:1** mg/kg	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	0.001	**0.010**	0.5	2	25
Barium	A-T-025	N	N	0.102	**1.020**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	<0.001	**<0.01**	0.5	10	70
Copper	A-T-025	N	N	<0.004	**<0.04**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.004	**0.040**	0.5	10	30
Nickel	A-T-025	N	N	<0.002	**<0.02**	0.4	10	40
Lead	A-T-025	N	N	0.003	**0.030**	0.5	10	50
Antimony	A-T-025	N	N	<0.001	**<0.01**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.003	**0.030**	4	50	200
Chloride	A-T-026	N	N	<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N	<0.10	**<1**	10	150	500
Sulphate as SO_4	A-T-026	N	N	3	**31**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	27	**270**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<2.0	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	9.4				
Conductivity (µS/cm)	A-T-037	N	N	54				
Mass Sample (kg)				0.183				
Dry Matter (%)	A-T-044	N	N	95.7				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	25/11833/6		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample Number								
Client Sample ID				WS03				
Depth to Top				0.4				
Depth to Bottom								
Date Sampled				13/10/2025				
Sample Type				Soil - ES				
Sample Matrix Code				1				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**7.76**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.02**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**<0.01**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**0.9**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**0.3**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**<0.08**		100	-	-
Mineral Oil (mg/kg)$_{A\ EH_CU_1D_AL}$	A-T-007	N	N	**<10**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1** mg/l	**10:1** mg/kg	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	<0.001	**<0.01**	0.5	2	25
Barium	A-T-025	N	N	0.005	**0.050**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	<0.001	**<0.01**	0.5	10	70
Copper	A-T-025	N	N	<0.004	**<0.04**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.001	**0.010**	0.5	10	30
Nickel	A-T-025	N	N	<0.002	**<0.02**	0.4	10	40
Lead	A-T-025	N	N	<0.001	**<0.01**	0.5	10	50
Antimony	A-T-025	N	N	<0.001	**<0.01**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	<0.002	**<0.02**	4	50	200
Chloride	A-T-026	N	N	<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N	<0.10	**<1**	10	150	500
Sulphate as SO_4	A-T-026	N	N	<1.00	**<10**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	31	**310**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<2.0	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	7.8				
Conductivity (µS/cm)	A-T-037	N	N	61				
Mass Sample (kg)				0.184				
Dry Matter (%)	A-T-044	N	N	95.1				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

Appendix E – Geotechnical Laboratory Results

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TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

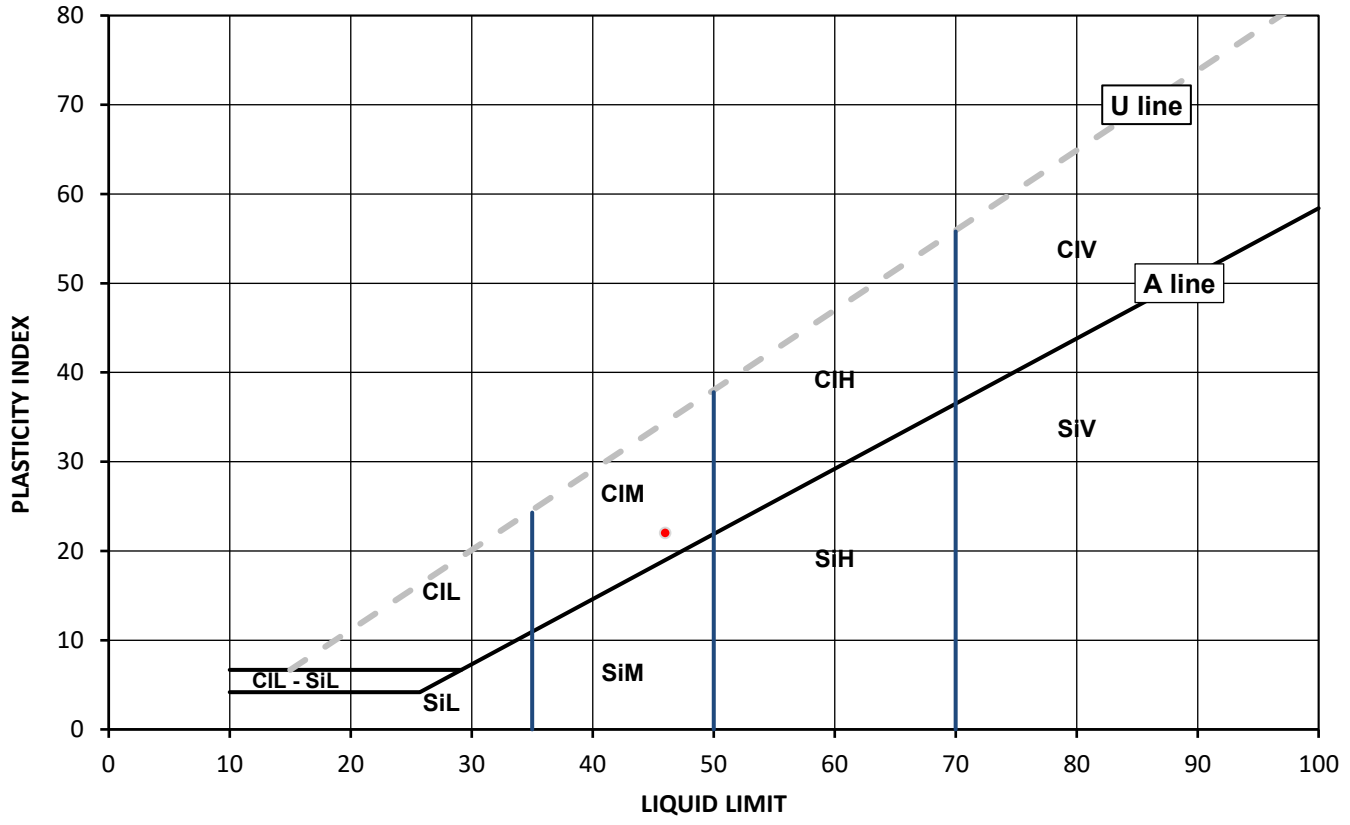
Client:	Curtins	Client Reference:	75805
Client Address:	Merchant Exchange, 17-19 Whitworth Street West, Manchester	Job Number:	25-055850-1
		Date Sampled:	Not Given
		Date Received:	15/10/2025
Contact:	EBMA Testing	Date Tested:	23/10/2025
Site Address:	NMGH-WP14	Sampled By:	Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	717121	Depth Top [m]:	2.50
Hole No.:	WS01	Depth Base [m]:	2.60
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly sandy CLAY		
Sample Preparation:	Tested in natural condition; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
27.1	46	24	22	0.14	0.86	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

 Date Reported: 30/10/2025 **GF 337.16**

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

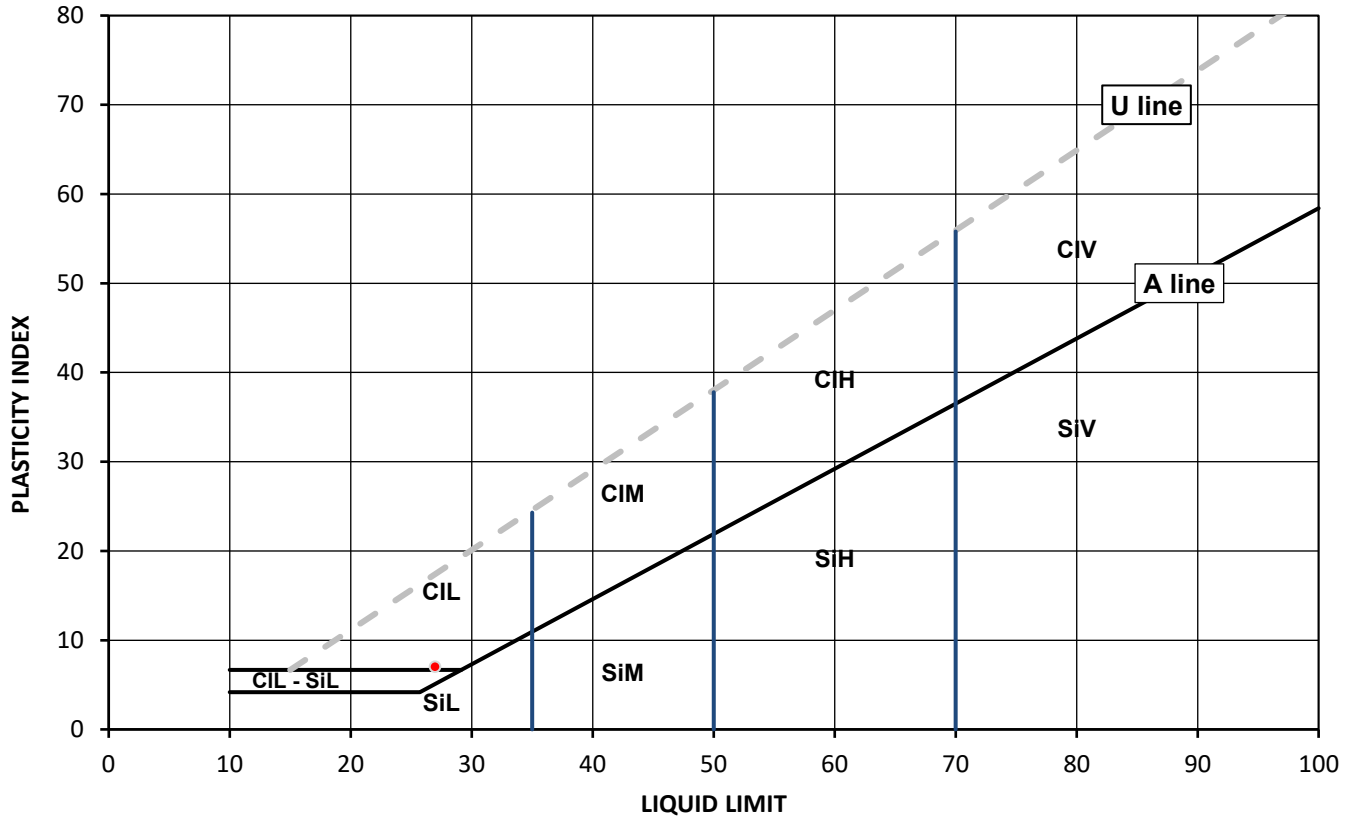
Client:	Curtins	Client Reference:	75805
Client Address:	Merchant Exchange, 17-19 Whitworth Street West, Manchester	Job Number:	25-055850-1
		Date Sampled:	Not Given
		Date Received:	15/10/2025
Contact:	EBMA Testing	Date Tested:	23/10/2025
Site Address:	NMGH-WP14	Sampled By:	Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	717122	Depth Top [m]:	1.20
Hole No.:	WS02	Depth Base [m]:	1.30
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy silty CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
22.0	27	20	7	0.29	0.71	99



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed: [redacted]

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 30/10/2025

GF 337.16

i2 Analytical Ltd, Unit 8, Harrowden Road, Brackmills Industrial Estate, Northampton, NN4 7EB

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

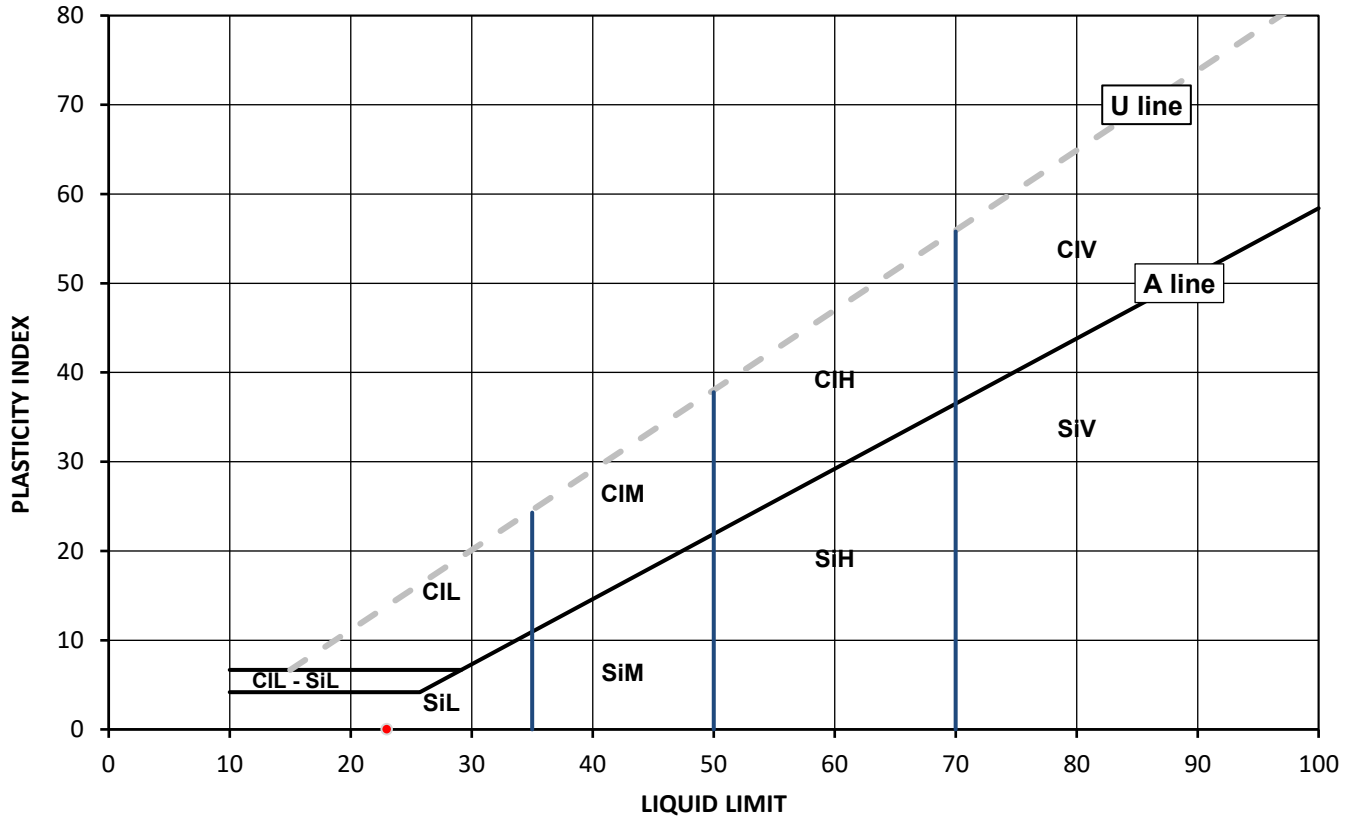
Client:	Curtins	Client Reference:	75805
Client Address:	Merchant Exchange, 17-19 Whitworth Street West, Manchester	Job Number:	25-055850-1
		Date Sampled:	Not Given
		Date Received:	15/10/2025
Contact:	EBMA Testing	Date Tested:	23/10/2025
Site Address:	NMGH-WP14	Sampled By:	Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	717123	Depth Top [m]:	2.50
Hole No.:	WS02	Depth Base [m]:	2.60
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly slightly clayey SAND		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
22.3	23	NP	NP	N/A	N/A	97



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks: NP - non plastic.

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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i2 Analytical Ltd, Unit 8, Harrowden Road, Brackmills Industrial Estate, Northampton, NN4 7EB

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

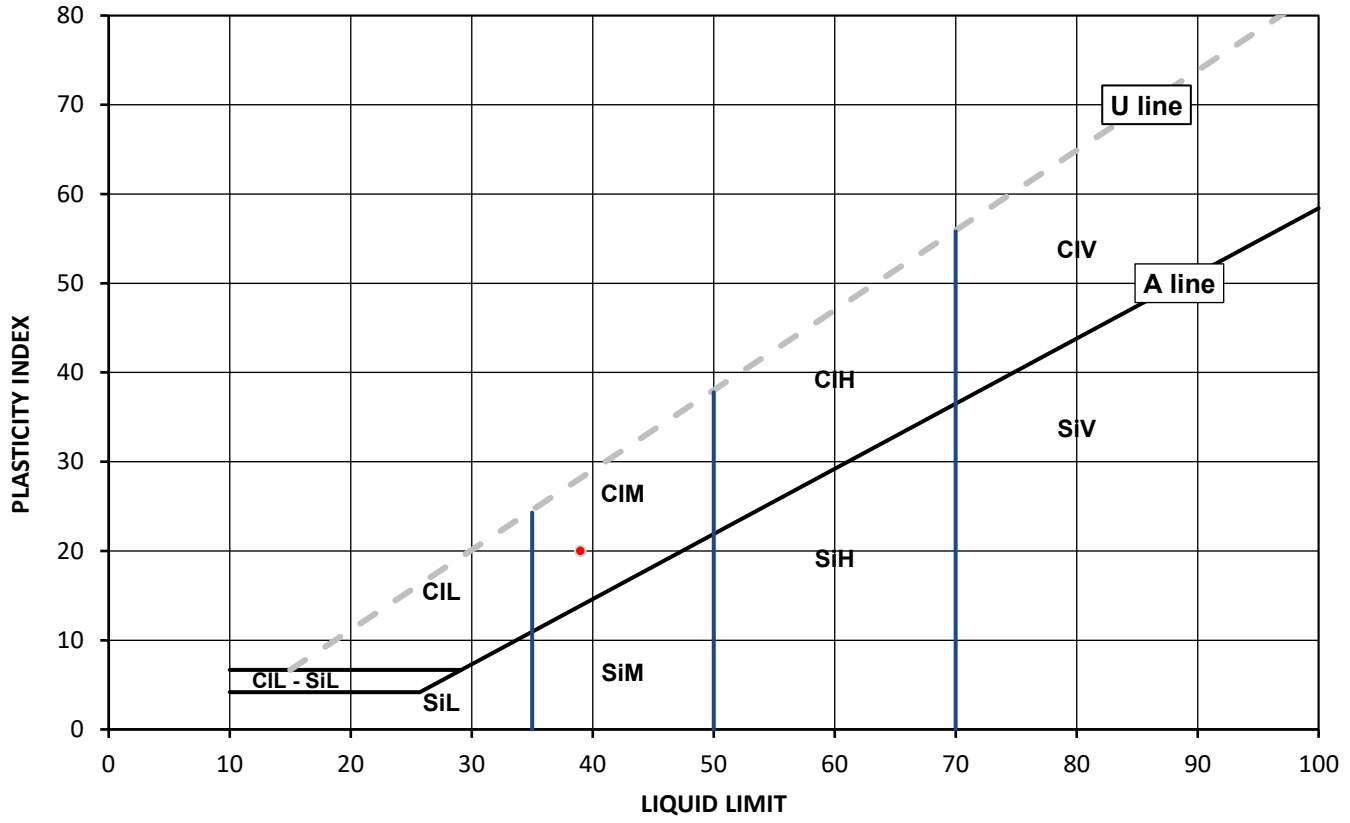
Client:	Curtins	Client Reference:	75805
Client Address:	Merchant Exchange, 17-19 Whitworth Street West, Manchester	Job Number:	25-055850-1
		Date Sampled:	Not Given
		Date Received:	15/10/2025
Contact:	EBMA Testing	Date Tested:	23/10/2025
Site Address:	NMGH-WP14	Sampled By:	Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	717126	Depth Top [m]:	1.30
Hole No.:	WS03	Depth Base [m]:	1.40
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was decreased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
30.3	39	19	20	0.55	0.45	98



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed: [redacted]

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

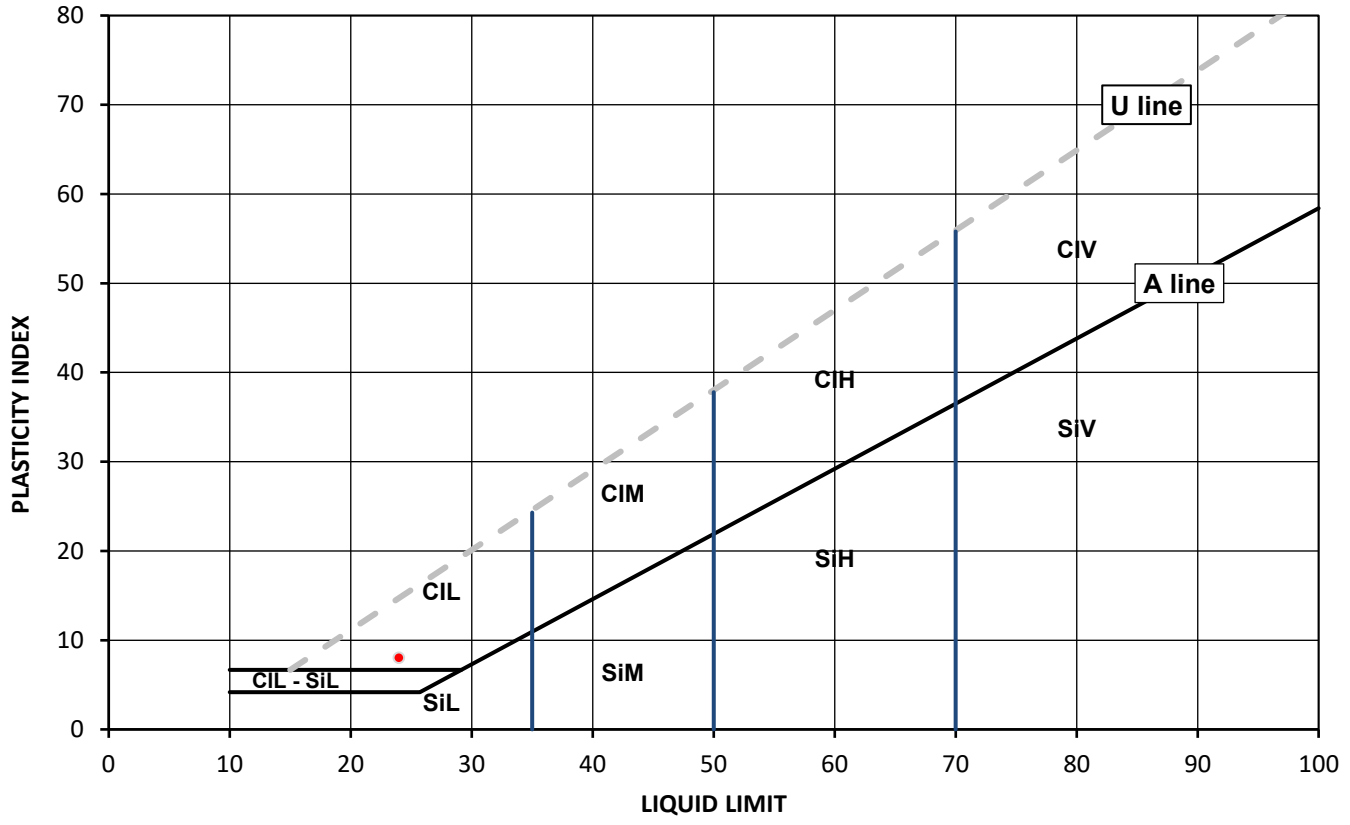
Client:	Curtins	Client Reference:	75805
Client Address:	Merchant Exchange, 17-19 Whitworth Street West, Manchester	Job Number:	25-055850-1
		Date Sampled:	Not Given
		Date Received:	15/10/2025
Contact:	EBMA Testing	Date Tested:	23/10/2025
Site Address:	NMGH-WP14	Sampled By:	Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	717127	Depth Top [m]:	2.80
Hole No.:	WS03	Depth Base [m]:	2.90
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly silty SAND		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
18.0	24	16	8	0.25	0.75	94



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

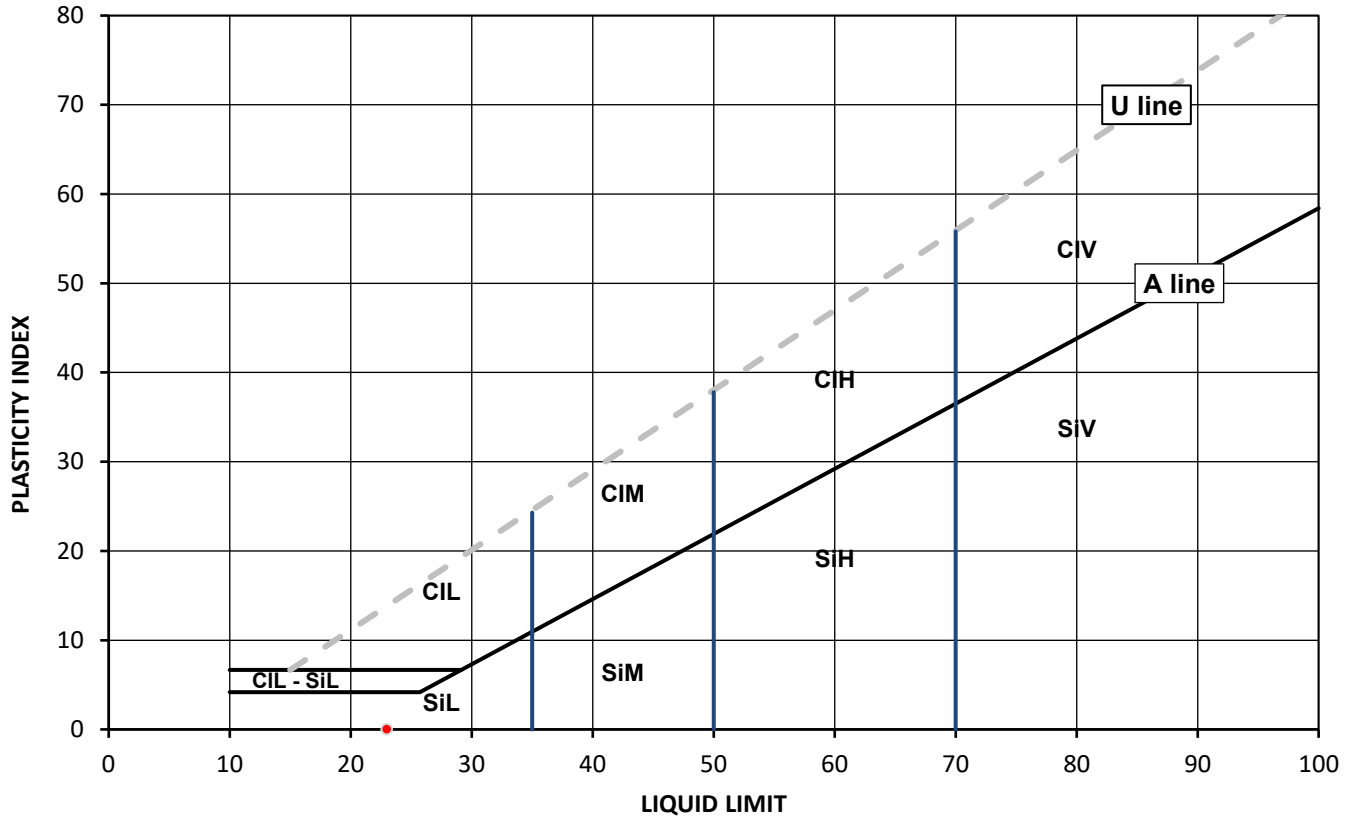
Client:	Curtins	Client Reference:	75805
Client Address:	Merchant Exchange, 17-19 Whitworth Street West, Manchester	Job Number:	25-055850-1
		Date Sampled:	Not Given
		Date Received:	15/10/2025
Contact:	EBMA Testing	Date Tested:	23/10/2025
Site Address:	NMGH-WP14	Sampled By:	Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	717128	Depth Top [m]:	1.10
Hole No.:	CBR01	Depth Base [m]:	1.20
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly silty SAND		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
18.8	23	NP	NP	N/A	N/A	99



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks: NP - non plastic.

Signed: [redacted]

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

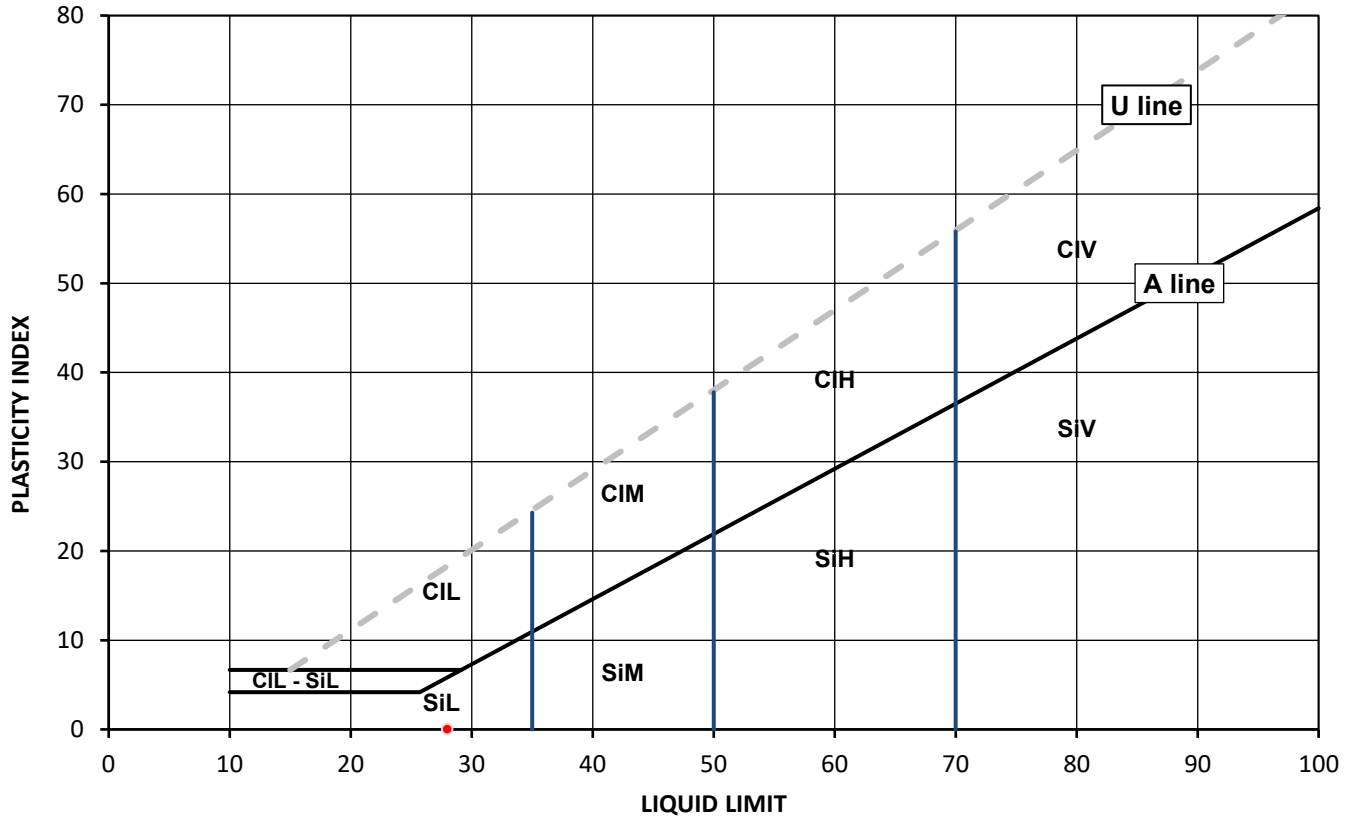
Client:	Curtins	Client Reference:	75805
Client Address:	Merchant Exchange, 17-19 Whitworth Street West, Manchester	Job Number:	25-055850-1
		Date Sampled:	Not Given
		Date Received:	15/10/2025
Contact:	EBMA Testing	Date Tested:	23/10/2025
Site Address:	NMGH-WP14	Sampled By:	Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	717130	Depth Top [m]:	1.50
Hole No.:	CBR02	Depth Base [m]:	1.60
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown very sandy SILT		
Sample Preparation:	Tested in natural condition; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
25.7	28	NP	NP	N/A	N/A	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks: NP - non plastic.

Signed: [redacted]

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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SUMMARY REPORT

SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

BS EN ISO 17892-12:2018+A2:2022 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6. W by BS EN ISO 17892-1:2014+A1:2022.

Normec i2 Analytical

4041

Client: Curtins

Client Address: Merchant Exchange, 17-19 Whitworth Street West, Manchester

Contact: EBMA Testing

Site Address: NMGH-WP14

Client Reference: 75805

Job Number: 25-055850-1

Date Sampled: Not Given

Date Received: 15/10/2025

Date Tested: 23/10/2025

Sampled By: Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	W	Liquid & Plastic Limit							Density		
		Reference	Depth Top m	Depth Base m	Type			%	% Passing 425um %	WL* %	Correlation Factor	Wp %	Ip %	Cone type	Sample Preparation	bulk Mg/m3	dry Mg/m3	PD Mg/m3
717121	WS01	Not Given	2.50	2.60	D	Brown slightly sandy CLAY	Atterberg 4 Point	27.1	100	46	-	24	22	80g/30 deg	N / I			
717122	WS02	Not Given	1.20	1.30	D	Brown slightly gravelly very sandy silty CLAY	Atterberg 4 Point	22.0	99	27	-	20	7	80g/30 deg	R / I			
717123	WS02	Not Given	2.50	2.60	D	Brown slightly gravelly slightly clayey SAND	Atterberg 4 Point	22.3	97	23	-	NP	NP	80g/30 deg	R / I			
717126	WS03	Not Given	1.30	1.40	D	Brown slightly gravelly sandy CLAY	Atterberg 4 Point	30.3	98	39	-	19	20	80g/30 deg	R / D			
717127	WS03	Not Given	2.80	2.90	D	Brown slightly gravelly silty SAND	Atterberg 4 Point	18.0	94	24	-	16	8	80g/30 deg	R / I			
717128	CBR01	Not Given	1.10	1.20	D	Brown slightly gravelly silty SAND	Atterberg 4 Point	18.8	99	23	-	NP	NP	80g/30 deg	R / I			
717130	CBR02	Not Given	1.50	1.60	D	Brown very sandy SILT	Atterberg 4 Point	25.7	100	28	-	NP	NP	80g/30 deg	N / I			

Note: # Non accredited; NP - Non plastic; N - Tested in natural condition, R - Tested after >0,425mm removed by hand, WR - Tested after washing to remove >425mm; I - The water content in the sample was increased , D - The water content in the sample was decreased; * - One point liquid limit corrected as per the report Correlation Factor by Clayton C.R.I and Jukes A.W (1978)

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 30/10/2025 **GF 362.17**

SUMMARY REPORT

DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS EN ISO 17892-1:2014+A1:2022, BS 1377-2: 2022, clause 4.1

4041

Client: Curtins

Client Address: Merchant Exchange, 17-19 Whitworth Street West, Manchester

Contact: EBMA Testing

Site Address: NMGH-WP14

Client Reference: 75805

Job Number: 25-055850-1

Date Sampled: Not Given

Date Received: 15/10/2025

Date Tested: 23/10/2025

Sampled By: Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	WC											
		Reference	Depth Top m	Depth Base m	Type			%											
717121	WS01	Not Given	2.50	2.60	D	Brown slightly sandy CLAY		27.1											
717122	WS02	Not Given	1.20	1.30	D	Brown slightly gravelly very sandy silty CLAY		22.0											
717123	WS02	Not Given	2.50	2.60	D	Brown slightly gravelly slightly clayey SAND		22.3											
717126	WS03	Not Given	1.30	1.40	D	Brown slightly gravelly sandy CLAY		30.3											
717127	WS03	Not Given	2.80	2.90	D	Brown slightly gravelly silty SAND		18.0											
717128	CBR01	Not Given	1.10	1.20	D	Brown slightly gravelly silty SAND		18.8											
717130	CBR02	Not Given	1.50	1.60	D	Brown very sandy SILT		25.7											

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 30/10/2025

GF 126.20

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

4041

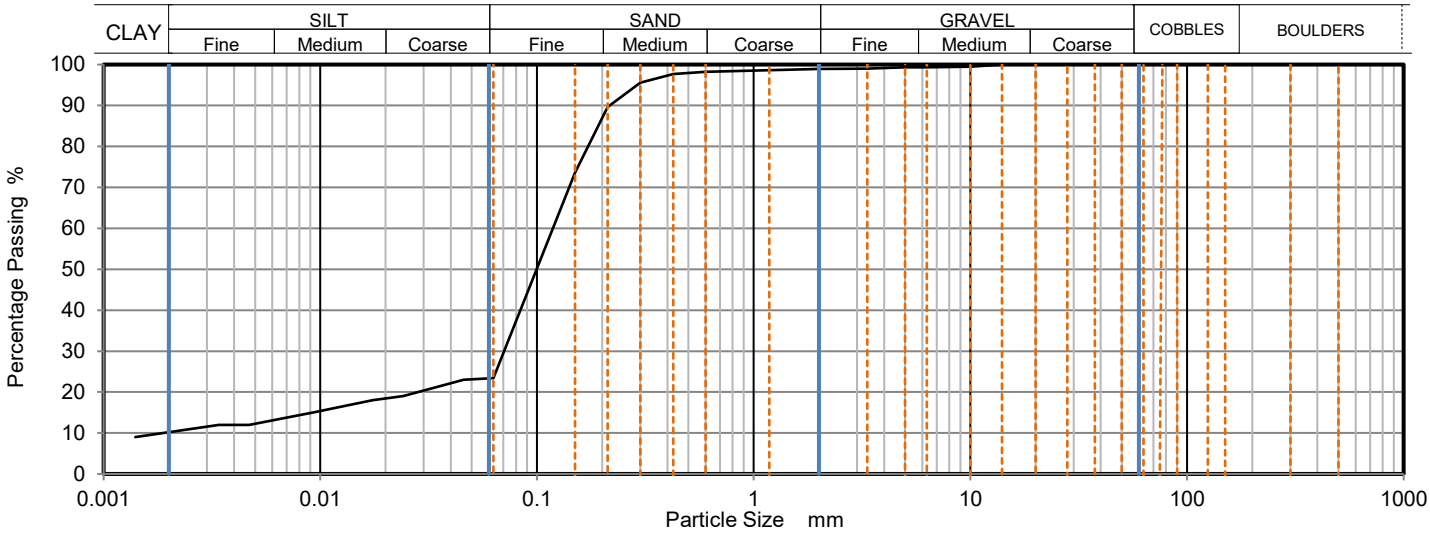
Normec i2 Analytical

Client:	Curtins	Client Reference:	75805
Client Address:	Merchant Exchange, 17-19 Whitworth Street West, Manchester	Job Number:	25-055850-1
		Date Sampled:	Not Given
		Date Received:	15/10/2025
Contact:	EBMA Testing	Date Tested:	24/10/2025
Site Address:	NMGH-WP14	Sampled By:	Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	717120	Depth Top [m]:	1.00
Hole No.:	WS01	Depth Base [m]:	1.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown very clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 106.0 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0458	23
300	100	0.0331	21
150	100	0.0241	19
125	100	0.0174	18
90	100	0.0093	15
75	100	0.0047	12
63	100	0.0034	12
50	100	0.0014	9
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	99		
5	99		
3.35	99		
2	99		
1.18	99		
0.6	98	Particle density	(assumed)
0.425	98	2.65	Mg/m3
0.3	96		
0.212	90		
0.15	74		
0.063	23		

Sample Proportions	% dry mass
Very coarse	0
Gravel	1
Sand	76
Silt	13
Clay	10

Grading Analysis		
D100	mm	14
D60	mm	0.119
D30	mm	0.0706
D10	mm	0.00178
Uniformity Coefficient		66
Curvature Coefficient		24

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 30/10/2025

GF 366.13

4041

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

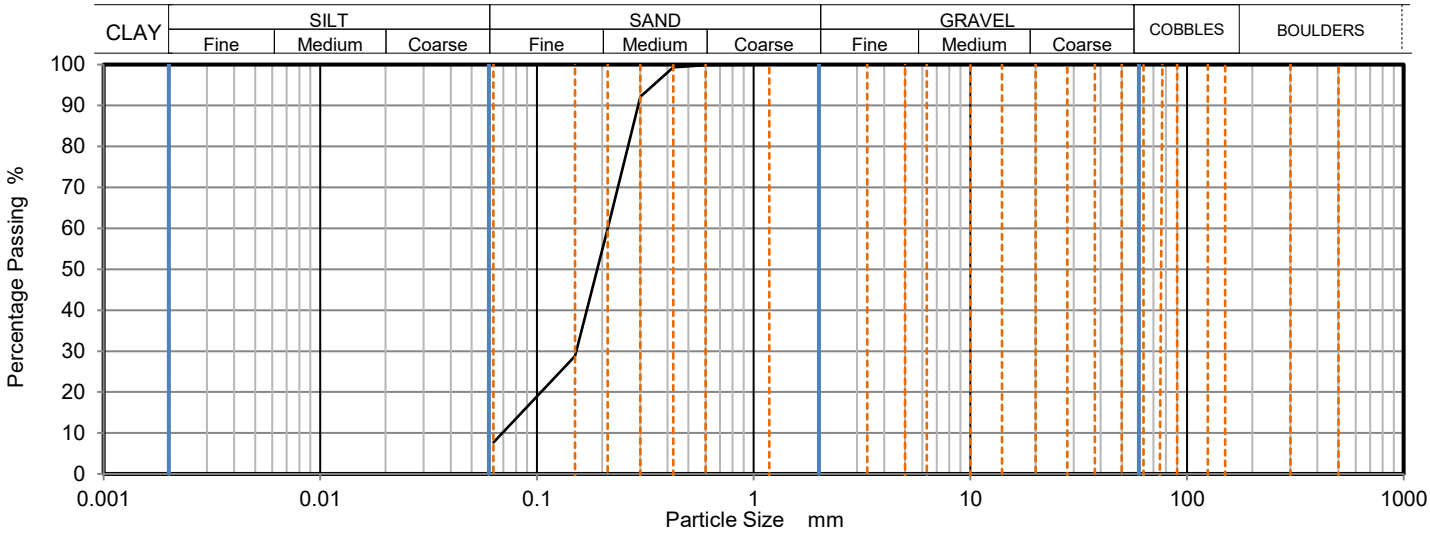
Normec i2 Analytical

Client:	Curtins	Client Reference:	75805
Client Address:	Merchant Exchange, 17-19 Whitworth Street West, Manchester	Job Number:	25-055850-1
		Date Sampled:	Not Given
		Date Received:	15/10/2025
Contact:	EBMA Testing	Date Tested:	24/10/2025
Site Address:	NMGH-WP14	Sampled By:	Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	717124	Depth Top [m]:	4.00
Hole No.:	WS02	Depth Base [m]:	5.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 106.0 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	99		
0.3	92		
0.212	60		
0.15	29		
0.063	8		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	92
Fines <0.063 mm	8

Grading Analysis		
D100	mm	1.18
D60	mm	0.212
D30	mm	0.152
D10	mm	0.0693
Uniformity Coefficient		3.1
Curvature Coefficient		1.6

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed: [redacted]

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 30/10/2025

GF 366.13

i2 Analytical Ltd, Unit 8, Harrowden Road, Brackmills Industrial Estate, Northampton, NN4 7EB

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

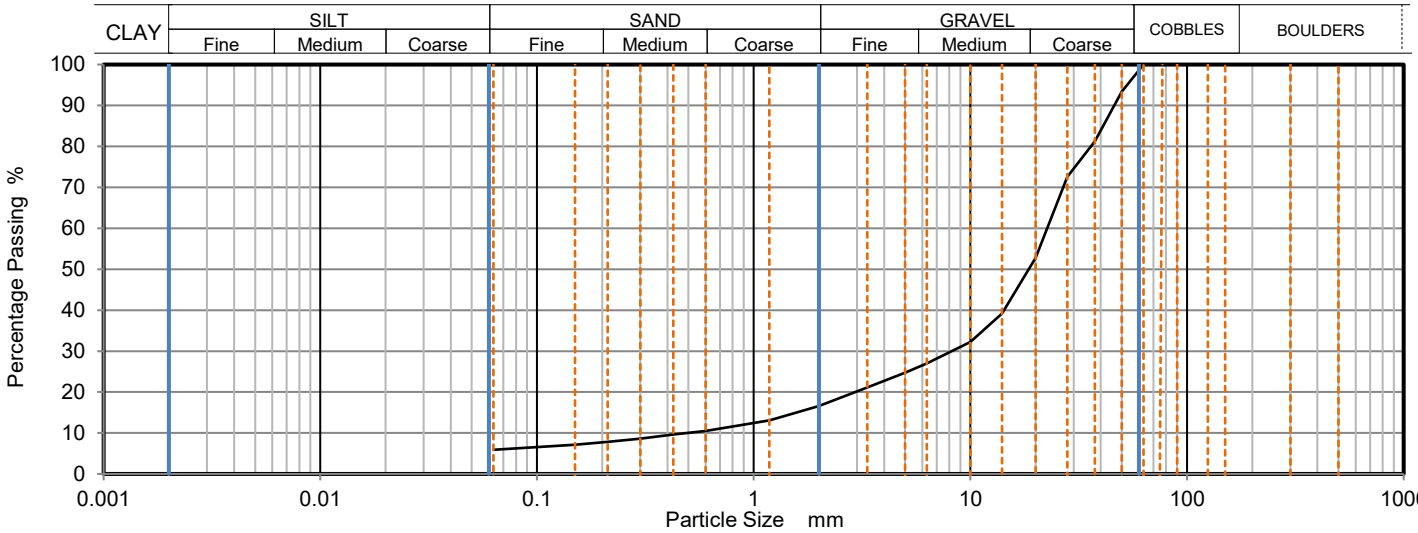
4041

Client:	Curtins	Client Reference:	75805
Client Address:	Merchant Exchange, 17-19 Whitworth Street West, Manchester	Job Number:	25-055850-1
		Date Sampled:	Not Given
		Date Received:	15/10/2025
Contact:	EBMA Testing	Date Tested:	24/10/2025
Site Address:	NMGH-WP14	Sampled By:	Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	717125	Depth Top [m]:	0.00
Hole No.:	WS03	Depth Base [m]:	0.40
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brownish grey sandy clayey GRAVEL		
Sample Preparation:	Sample was whole tested, oven dried at 106.0 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	93		
37.5	81		
28	73		
20	53		
14	39		
10	32		
6.3	27		
5	25		
3.35	21		
2	17		
1.18	13		
0.6	11		
0.425	10		
0.3	9		
0.212	8		
0.15	7		
0.063	6		

Sample Proportions	% dry mass
Very coarse	0
Gravel	83
Sand	11
Fines <0.063 mm	6

Grading Analysis		
D100	mm	63
D60	mm	22.6
D30	mm	8.23
D10	mm	0.495
Uniformity Coefficient		46
Curvature Coefficient		6

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks: The material submitted - fails to meet the minimum mass requirements as stated in BS EN ISO 17892-4:2016 Table 1.

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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 Date Reported: 30/10/2025 **GF 366.13**

i2 Analytical Ltd, Unit 8, Harrowden Road, Brackmills Industrial Estate, Northampton, NN4 7EB

4041

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

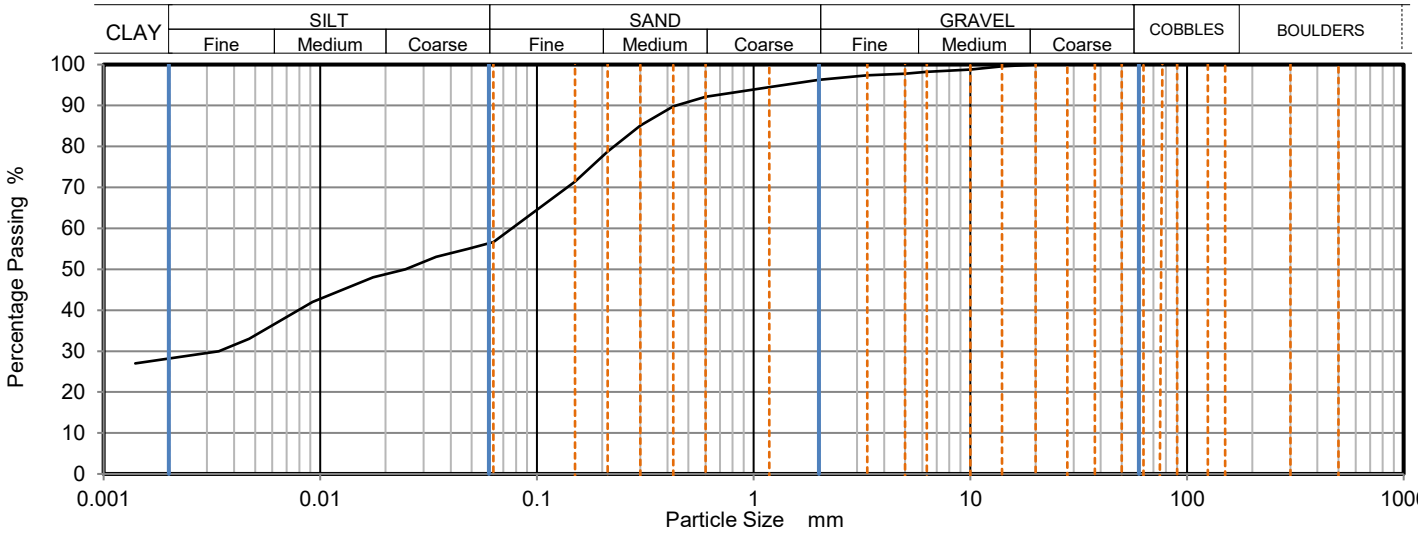
Normec i2 Analytical

Client:	Curtins	Client Reference:	75805
Client Address:	Merchant Exchange, 17-19 Whitworth Street West, Manchester	Job Number:	25-055850-1
		Date Sampled:	Not Given
		Date Received:	15/10/2025
Contact:	EBMA Testing	Date Tested:	24/10/2025
Site Address:	NMGH-WP14	Sampled By:	Client - JP

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	717129	Depth Top [m]:	1.50
Hole No.:	CBR01	Depth Base [m]:	2.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 106.0 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0481	55
300	100	0.0342	53
150	100	0.0247	50
125	100	0.0175	48
90	100	0.0092	42
75	100	0.0047	33
63	100	0.0034	30
50	100	0.0014	27
37.5	100		
28	100		
20	100		
14	100		
10	99		
6.3	98		
5	98		
3.35	97		
2	96		
1.18	95		
0.6	92	Particle density	(assumed)
0.425	90	2.65	Mg/m3
0.3	85		
0.212	79		
0.15	71		
0.063	57		

Sample Proportions	% dry mass
Very coarse	0
Gravel	4
Sand	39
Silt	29
Clay	28

Grading Analysis		
D100	mm	20
D60	mm	0.077
D30	mm	0.00341
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 30/10/2025

GF 366.13

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f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 25-055851

Project / Site name:	NMGH-WP14	**Samples received on:**	15/10/2025
Your job number:	75805	**Samples instructed on/ Analysis started on:**	16/10/2025
Your order number:	27338	**Analysis completed by:**	27/10/2025
Report Issue Number:	1	**Report issued on:**	27/10/2025
Samples Analysed:	10 soil samples		

[redacted]

Signed:

Joanna Biolik
Senior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 25-055851
Project / Site name: NMGH-WP14
Your Order No: 27338

Lab Sample Number				717131	717132	717133	717134	717135
Sample Reference				WS01	WS01	WS02	WS02	WS02
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.00-1.50	4.50-4.60	0.00-0.40	2.15-2.25	2.50-2.60
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	61.8	42.5	< 0.1
Moisture Content	%	0.01	NONE	16	8.9	2.1	11	18
Total mass of sample received	kg	0.1	NONE	0.3	1	0.4	0.9	0.2

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.6	5.8	8.3	6.6	7.1
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	26	37	76	74	23
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	12.9	18.5	38.1	36.9	11.4
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	3.8	5.8	3.9	1.8	2.2
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	11	4.2	< 2.0	< 2.0	< 2.0
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	5.6	< 5.0	< 5.0	< 5.0	< 5.0

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	7.1	7	< 2.5	5.8	11
Magnesium (water soluble)	mg/kg	5	NONE	14	14	< 5.0	12	22

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-055851
Project / Site name: NMGH-WP14
Your Order No: 27338

Lab Sample Number				717136	717137	717138	717139	717140
Sample Reference				WS02	WS03	WS03	WS03	CBR01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				4.00-5.00	0.00-0.40	1.50-2.00	4.00-5.00	1.50-2.00
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	64.1	< 0.1	< 0.1	7.6
Moisture Content	%	0.01	NONE	4.5	2.3	2.6	9	13
Total mass of sample received	kg	0.1	NONE	0.2	0.3	0.2	0.2	0.3
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	8	8.9	8	6	7.7
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	37	95	11	29	29
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	18.4	47.3	5.4	14.6	14.3
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	8.6	6.2	0.5	1.3	3.2
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	< 2.0	2.2	< 2.0	< 2.0	< 2.0
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Heavy Metals / Metalloids								
Magnesium (leachate equivalent)	mg/l	2.5	NONE	2.8	< 2.5	2.9	5	7
Magnesium (water soluble)	mg/kg	5	NONE	5.7	< 5.0	5.9	9.9	14

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 25-055851
Project / Site name: NMGH-WP14

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
717131	WS01	None Supplied	1.00-1.50	Brown sandy clay
717132	WS01	None Supplied	4.50-4.60	Brown sand
717133	WS02	None Supplied	0.00-0.40	Brown sand with stones and gravel
717134	WS02	None Supplied	2.15-2.25	Brown clay and sand with stones
717135	WS02	None Supplied	2.50-2.60	Brown clay and sand
717136	WS02	None Supplied	4.00-5.00	Brown sand
717137	WS03	None Supplied	0.00-0.40	Brown sand with stones and gravel
717138	WS03	None Supplied	1.50-2.00	Brown sand
717139	WS03	None Supplied	4.00-5.00	Brown sand
717140	CBR01	None Supplied	1.50-2.00	Brown sandy clay with stones

Analytical Report Number : 25-055851
Project / Site name: NMGH-WP14

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES	In-house method based on TRL 447	L038B	D	NONE
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Water Soluble Nitrate (leachate equivalent)	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Nitrate, water soluble, in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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Analytical Report Number : 25-055851
Project / Site name: NMGH-WP14

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
CBR01	N/A	S	717140	a	Chloride, water soluble, in soil	L082B	a
CBR01	N/A	S	717140	a	Magnesium, water soluble, in soil	L038B	a
CBR01	N/A	S	717140	a	Moisture Content	L019B	a
CBR01	N/A	S	717140	a	Nitrate, water soluble, in soil	L078-PL	a
CBR01	N/A	S	717140	a	Sample Preparation	L019B	a
CBR01	N/A	S	717140	a	Soil Descriptions	L019B	a
CBR01	N/A	S	717140	a	Stones content of soil	L019B	a
CBR01	N/A	S	717140	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
CBR01	N/A	S	717140	a	Water Soluble Nitrate (leachate equivalent)	L078-PL	a
CBR01	N/A	S	717140	a	pH in soil (automated)	L099-PL	a
WS01	N/A	S	717131	a	Chloride, water soluble, in soil	L082B	a
WS01	N/A	S	717131	a	Magnesium, water soluble, in soil	L038B	a
WS01	N/A	S	717131	a	Moisture Content	L019B	a
WS01	N/A	S	717131	a	Nitrate, water soluble, in soil	L078-PL	a
WS01	N/A	S	717131	a	Sample Preparation	L019B	a
WS01	N/A	S	717131	a	Soil Descriptions	L019B	a
WS01	N/A	S	717131	a	Stones content of soil	L019B	a
WS01	N/A	S	717131	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS01	N/A	S	717131	a	Water Soluble Nitrate (leachate equivalent)	L078-PL	a
WS01	N/A	S	717131	a	pH in soil (automated)	L099-PL	a
WS01	N/A	S	717132	a	Chloride, water soluble, in soil	L082B	a
WS01	N/A	S	717132	a	Magnesium, water soluble, in soil	L038B	a
WS01	N/A	S	717132	a	Moisture Content	L019B	a
WS01	N/A	S	717132	a	Nitrate, water soluble, in soil	L078-PL	a
WS01	N/A	S	717132	a	Sample Preparation	L019B	a
WS01	N/A	S	717132	a	Soil Descriptions	L019B	a
WS01	N/A	S	717132	a	Stones content of soil	L019B	a
WS01	N/A	S	717132	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS01	N/A	S	717132	a	Water Soluble Nitrate (leachate equivalent)	L078-PL	a
WS01	N/A	S	717132	a	pH in soil (automated)	L099-PL	a
WS02	N/A	S	717133	a	Chloride, water soluble, in soil	L082B	a
WS02	N/A	S	717133	a	Magnesium, water soluble, in soil	L038B	a
WS02	N/A	S	717133	a	Moisture Content	L019B	a
WS02	N/A	S	717133	a	Nitrate, water soluble, in soil	L078-PL	a
WS02	N/A	S	717133	a	Sample Preparation	L019B	a
WS02	N/A	S	717133	a	Soil Descriptions	L019B	a
WS02	N/A	S	717133	a	Stones content of soil	L019B	a
WS02	N/A	S	717133	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS02	N/A	S	717133	a	Water Soluble Nitrate (leachate equivalent)	L078-PL	a
WS02	N/A	S	717133	a	pH in soil (automated)	L099-PL	a
WS02	N/A	S	717134	a	Chloride, water soluble, in soil	L082B	a
WS02	N/A	S	717134	a	Magnesium, water soluble, in soil	L038B	a
WS02	N/A	S	717134	a	Moisture Content	L019B	a
WS02	N/A	S	717134	a	Nitrate, water soluble, in soil	L078-PL	a
WS02	N/A	S	717134	a	Sample Preparation	L019B	a
WS02	N/A	S	717134	a	Soil Descriptions	L019B	a
WS02	N/A	S	717134	a	Stones content of soil	L019B	a
WS02	N/A	S	717134	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS02	N/A	S	717134	a	Water Soluble Nitrate (leachate equivalent)	L078-PL	a
WS02	N/A	S	717134	a	pH in soil (automated)	L099-PL	a
WS02	N/A	S	717135	a	Chloride, water soluble, in soil	L082B	a
WS02	N/A	S	717135	a	Magnesium, water soluble, in soil	L038B	a
WS02	N/A	S	717135	a	Moisture Content	L019B	a
WS02	N/A	S	717135	a	Nitrate, water soluble, in soil	L078-PL	a
WS02	N/A	S	717135	a	Sample Preparation	L019B	a
WS02	N/A	S	717135	a	Soil Descriptions	L019B	a

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Analytical Report Number : 25-055851
Project / Site name: NMGH-WP14

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS02	N/A	S	717135	a	Stones content of soil	L019B	a
WS02	N/A	S	717135	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS02	N/A	S	717135	a	Water Soluble Nitrate (leachate equivalent)	L078-PL	a
WS02	N/A	S	717135	a	pH in soil (automated)	L099-PL	a
WS02	N/A	S	717136	a	Chloride, water soluble, in soil	L082B	a
WS02	N/A	S	717136	a	Magnesium, water soluble, in soil	L038B	a
WS02	N/A	S	717136	a	Moisture Content	L019B	a
WS02	N/A	S	717136	a	Nitrate, water soluble, in soil	L078-PL	a
WS02	N/A	S	717136	a	Sample Preparation	L019B	a
WS02	N/A	S	717136	a	Soil Descriptions	L019B	a
WS02	N/A	S	717136	a	Stones content of soil	L019B	a
WS02	N/A	S	717136	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS02	N/A	S	717136	a	Water Soluble Nitrate (leachate equivalent)	L078-PL	a
WS02	N/A	S	717136	a	pH in soil (automated)	L099-PL	a
WS03	N/A	S	717137	a	Chloride, water soluble, in soil	L082B	a
WS03	N/A	S	717137	a	Magnesium, water soluble, in soil	L038B	a
WS03	N/A	S	717137	a	Moisture Content	L019B	a
WS03	N/A	S	717137	a	Nitrate, water soluble, in soil	L078-PL	a
WS03	N/A	S	717137	a	Sample Preparation	L019B	a
WS03	N/A	S	717137	a	Soil Descriptions	L019B	a
WS03	N/A	S	717137	a	Stones content of soil	L019B	a
WS03	N/A	S	717137	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS03	N/A	S	717137	a	Water Soluble Nitrate (leachate equivalent)	L078-PL	a
WS03	N/A	S	717137	a	pH in soil (automated)	L099-PL	a
WS03	N/A	S	717138	a	Chloride, water soluble, in soil	L082B	a
WS03	N/A	S	717138	a	Magnesium, water soluble, in soil	L038B	a
WS03	N/A	S	717138	a	Moisture Content	L019B	a
WS03	N/A	S	717138	a	Nitrate, water soluble, in soil	L078-PL	a
WS03	N/A	S	717138	a	Sample Preparation	L019B	a
WS03	N/A	S	717138	a	Soil Descriptions	L019B	a
WS03	N/A	S	717138	a	Stones content of soil	L019B	a
WS03	N/A	S	717138	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS03	N/A	S	717138	a	Water Soluble Nitrate (leachate equivalent)	L078-PL	a
WS03	N/A	S	717138	a	pH in soil (automated)	L099-PL	a
WS03	N/A	S	717139	a	Chloride, water soluble, in soil	L082B	a
WS03	N/A	S	717139	a	Magnesium, water soluble, in soil	L038B	a
WS03	N/A	S	717139	a	Moisture Content	L019B	a
WS03	N/A	S	717139	a	Nitrate, water soluble, in soil	L078-PL	a
WS03	N/A	S	717139	a	Sample Preparation	L019B	a
WS03	N/A	S	717139	a	Soil Descriptions	L019B	a
WS03	N/A	S	717139	a	Stones content of soil	L019B	a
WS03	N/A	S	717139	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
WS03	N/A	S	717139	a	Water Soluble Nitrate (leachate equivalent)	L078-PL	a
WS03	N/A	S	717139	a	pH in soil (automated)	L099-PL	a

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The results included within the report are representative of the samples submitted for analysis.

STRUCTURAL SOILS LTD

INSITU TESTING REPORT

1774

Report No. 785847R.01(00) Office Location: Castleford

Date 15-October-2025 Contract : Delaunays Road, Crumpsall, Manchester

Client Address
Curtins Consulting Limited
51-55 Tithebarn Street,
Liverpool,
L2 2SB

For the Attention of: Rebecca Baksh-Jones

Order received	17-September-2025	Client Reference	None
Testing Started	14-October-2025	Client Order No.	None
Testing Completed	14-October-2025	Instruction Type	Written

Tests marked 'Not UKAS Accredited' in this report are not included in the UKAS Accreditation Schedule for our Laboratory.

UKAS Accredited Tests

3no. Plate Bearing Tests undertkaen in accordance to BS1377:Part 9:1990, Clause 4.1

Not UKAS Accredited Tests

2 no.Soakaway Testing to BRE Digest 365
Please note that 3 fills in each pit was not achievable due to time constraints/ground conditions

The results represent the ground conditions at the specified locations and depths at the time of testing.

Please Note: Remaining samples will be retained for a period of one month from today and will then be disposed of .
Test were undertaken on samples 'as received' unless otherwise stated.
Opinions and interpretations expressed in this report are outside the scope of accreditation for this laboratory.
Results relate only to items tested
This report shall not be reproduced except in full without written permission of SSL Laboratories

Structural Soils Ltd, The Potteries, Pottery Street, Castleford, WF10 1NJ Tel.01977552255, email Matthew Doran, matthew.doran@soils.co.uk

TESTING VERIFICATION CERTIFICATE

1774

The test results included in this report are certified as:-

ISSUE STATUS: **FINAL**

In accordance with the Structural Soils Ltd Laboratory Quality Management System, results sheets and summaries of results issued by the laboratory are checked by an approved signatory. The integrity of the test data and results are ensured by control of the computer system employed by the laboratory as part of the Software Verification Program as detailed in the Laboratory Quality Manual.

This testing verification certificate covers all testing compiled on or before the following datetime: **15/10/2025 07:33:02**.

Testing reported after this date is not covered by this Verification Certificate.



Approved Signatory
Lydia Souch (Principal Site Testing Manager (South))

(Head Office)
Bristol Laboratory
Unit 1A, Princess Street
Bedminster
Bristol
BS3 4AG

Castleford Laboratory
The Potteries, Pottery Street
Castleford
West Yorkshire
WF10 1NJ

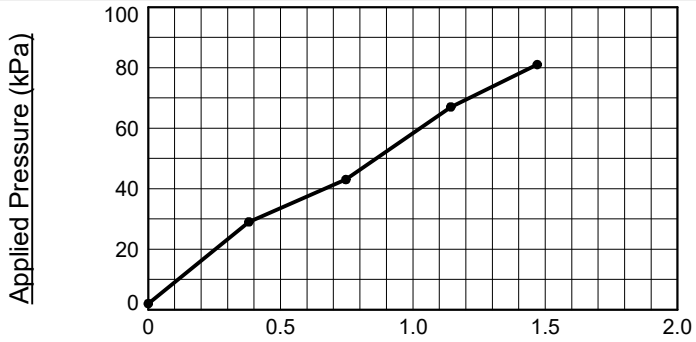
Hemel Laboratory
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

GINT_LIBRARY_V10_01.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | GrfcText L - LAB VERIFICATION REPORT - V02 - A4P | 785847.GINT.GPJ - v10_01.
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 15/10/25 - 07:33 | LS4 |

PLATE LOADING TEST - INCREMENTAL

BS1377:Part 9:1990, Clause 4.1

Position ID: **CBR1** Depth (m) : **0.65** Date of Test : **14/10/25**



Applied Pressure (kPa)	Average Settlement (mm)
2	0.000
29	0.380
43	0.747
67	1.143
81	1.470

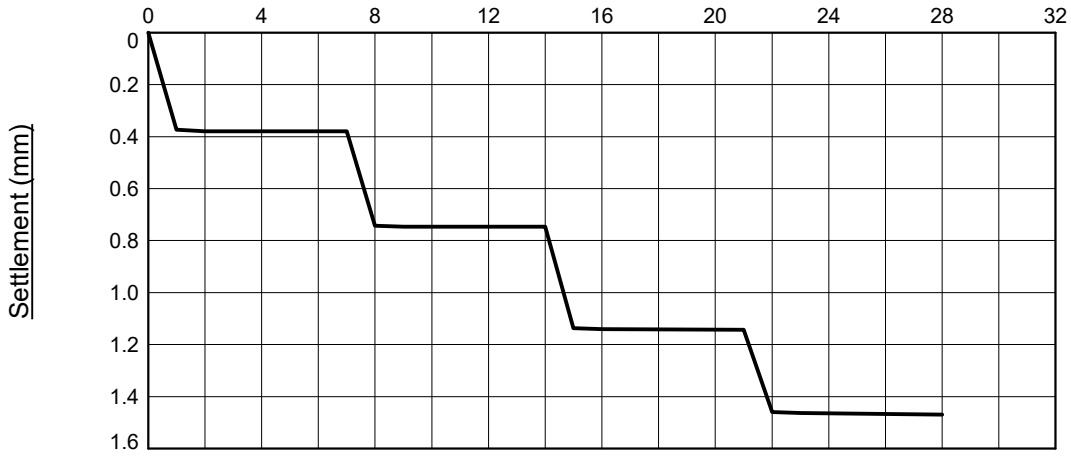


Plate Diameter (mm): **610** Reaction Load : **8T**

Maximum Applied Pressure (kPa): **81** Maximum Applied Deformation (mm) : **1.470**

Modulus of Subgrade Reaction at 1.25mm

Applied Pressure: **72** kPa Conversion to k_{762} : **k_{610} x 0.8165**

k_{610}: **57600** kN/m^2/m k_{762} : **47030** kN/m^2/m

Approximate Equivalent CBR Value (%): **7.6**

Calculations derived from section 7.14 of Department of Transport, Interim Advice Note 73/06 (Draft HD25) February 2009 Design Guidance for Road Pavement Foundations

Additional Information

Environmental Conditions at Time of Test: **Overcast**

Start Temperature: **12°C**

End Temperature: **12°C**

Distance Between Plate and Wall of Pit (m): **0.2**

STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By		Date
KFLimacher	**KATIE LIMACHER**	**14/10/25**

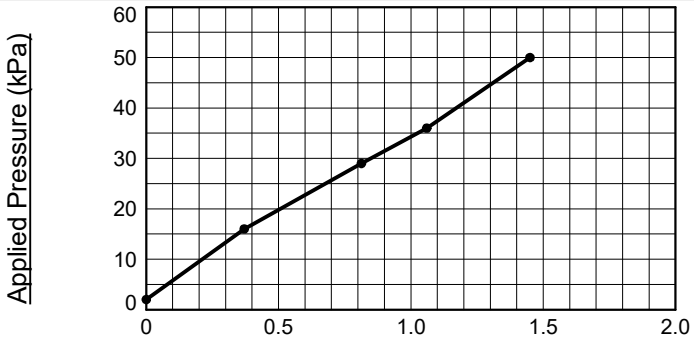
Contract	Contract Ref:
Delaunays Road, Crumpsall, Manchester	**785847**

GINT_LIBRARY_V10_01.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph I - PLATE LOADING [R1]- A4P | 785847.GINT.GPJ - v10_01
Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 14/10/25 - 15:28 | KL2 |

PLATE LOADING TEST - INCREMENTAL

BS1377:Part 9:1990, Clause 4.1

Position ID: **CBR2** Depth (m) : **0.68** Date of Test : **14/10/25**



Applied Pressure (kPa)	Average Settlement (mm)
2	0.000
16	0.370
29	0.813
36	1.060
50	1.450

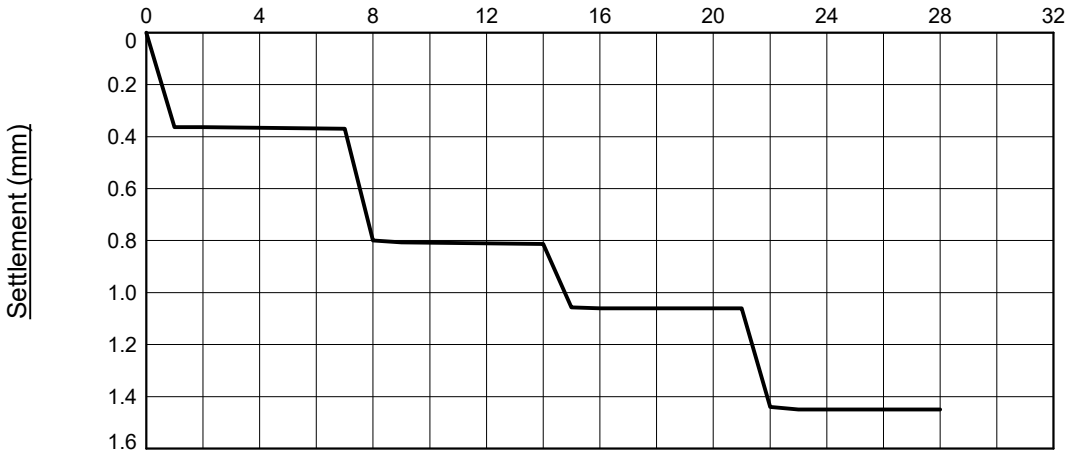


Plate Diameter (mm): **610** Reaction Load : **8T**

Maximum Applied Pressure (kPa): **50** Maximum Applied Deformation (mm) : **1.450**

Modulus of Subgrade Reaction at 1.25mm

Applied Pressure: **43** kPa Conversion to k_{762} : **k_{610} x 0.8165**

k_{610}: **34400** kN/m^2/m k_{762} : **28088** kN/m^2/m

Approximate Equivalent CBR Value (%): **3.1**

Calculations derived from section 7.14 of Department of Transport, Interim Advice Note 73/06 (Draft HD25) February 2009 Design Guidance for Road Pavement Foundations

Additional Information

Environmental Conditions at Time of Test: **Overcast**
Start Temperature: **12°C**
End Temperature: **12°C**
Distance Between Plate and Wall of Pit (m): **0.15**

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Bedminster
Bristol
BS3 4AG

Compiled By		Date
KFLimacher	**KATIE LIMACHER**	**14/10/25**

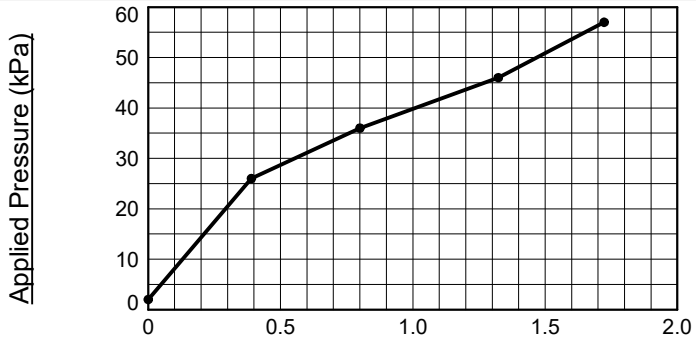
Contract	Contract Ref:
Delaunays Road, Crumpsall, Manchester	**785847**

GINT_LIBRARY_V10_01.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph I - PLATE LOADING [R1]- A4P | 785847.GINT.GPJ - v10_01
Structural Soils Ltd, Branch Office - Bristol Lab: 1a Princess Street, Bedminster, Bristol, BS3 4AG. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 14/10/25 - 15:28 | KL2 |

PLATE LOADING TEST - INCREMENTAL

BS1377:Part 9:1990, Clause 4.1

Position ID: **CBR3** Depth (m) : **0.48** Date of Test : **14/10/25**



Applied Pressure (kPa)	Average Settlement (mm)
2	0.000
26	0.390
36	0.800
46	1.323
57	1.723

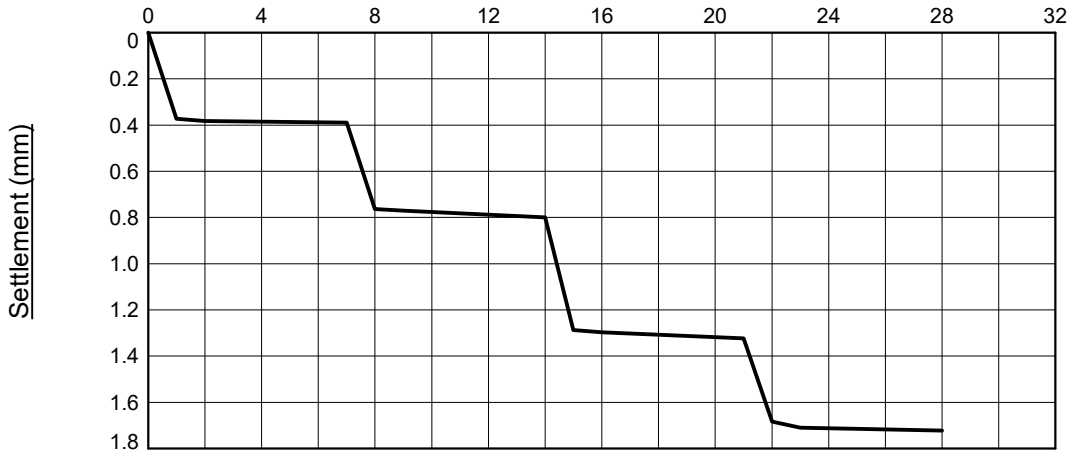


Plate Diameter (mm): **610** Reaction Load : **8T**

Maximum Applied Pressure (kPa): **57** Maximum Applied Deformation (mm) : **1.723**

Modulus of Subgrade Reaction at 1.25mm

Applied Pressure: **45** kPa Conversion to k_{762} : **k_{610} x 0.8165**

k_{610}: **36000** kN/m^2/m k_{762} : **29394** kN/m^2/m

Approximate Equivalent CBR Value (%): **3.4**

Calculations derived from section 7.14 of Department of Transport, Interim Advice Note 73/06 (Draft HD25) February 2009 Design Guidance for Road Pavement Foundations

Additional Information

Environmental Conditions at Time of Test: **Overcast**

Start Temperature: **12°C**

End Temperature: **12°C**

STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By	Date
[redacted] KATIE LIMACHER	14/10/25

Contract: **Delaunays Road, Crumpsall, Manchester**

Contract Ref: **785847**

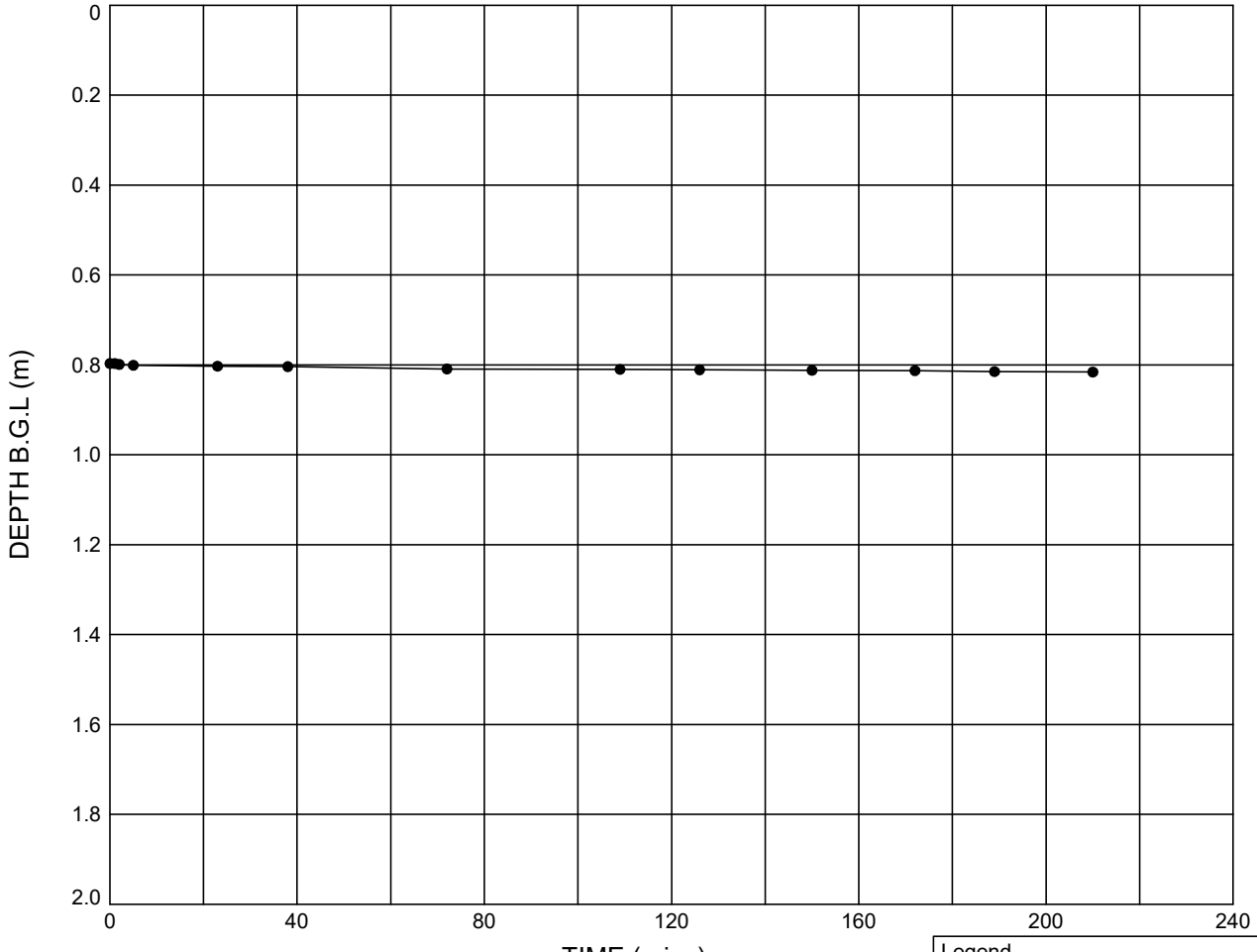
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FULL SCALE SOAKAWAY TEST

Non-standard test

Soakaway Test - Position ID : **TP01**

PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



Test 1

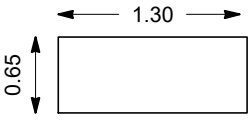
Pit start depth:	=	**1.98**	m
Pit final depth:	=	**1.98**	m
Effective depth, De	=	**1.18**	m
Effective storage volume, V_{p75-25}	=	**0.4998**	m^3
Surface area, a_{s50}	=	**3.1519**	m^2
Time, t_{p75-25}	=	**N/A**	secs
Infiltration rate, f	=	**N/A**	m/s

Notes: Test 1 - Unable to calculate infiltration rate due to insufficient drop in water level.

Legend

● Test 1 (14.10.25)

Plan (Not to scale)



No Bearing Taken

STRUCTURAL SOILS
The Potteries
Pottery Street
Castleford
W. Yorkshire WF10 1NJ

Compiled By	Date	Checked By	Date
[redacted]	**14/10/25**	[redacted]	**15/10/25**

Contract: **Delaunays Road, Crumpsall, Manchester**

Contract Ref: **785847**

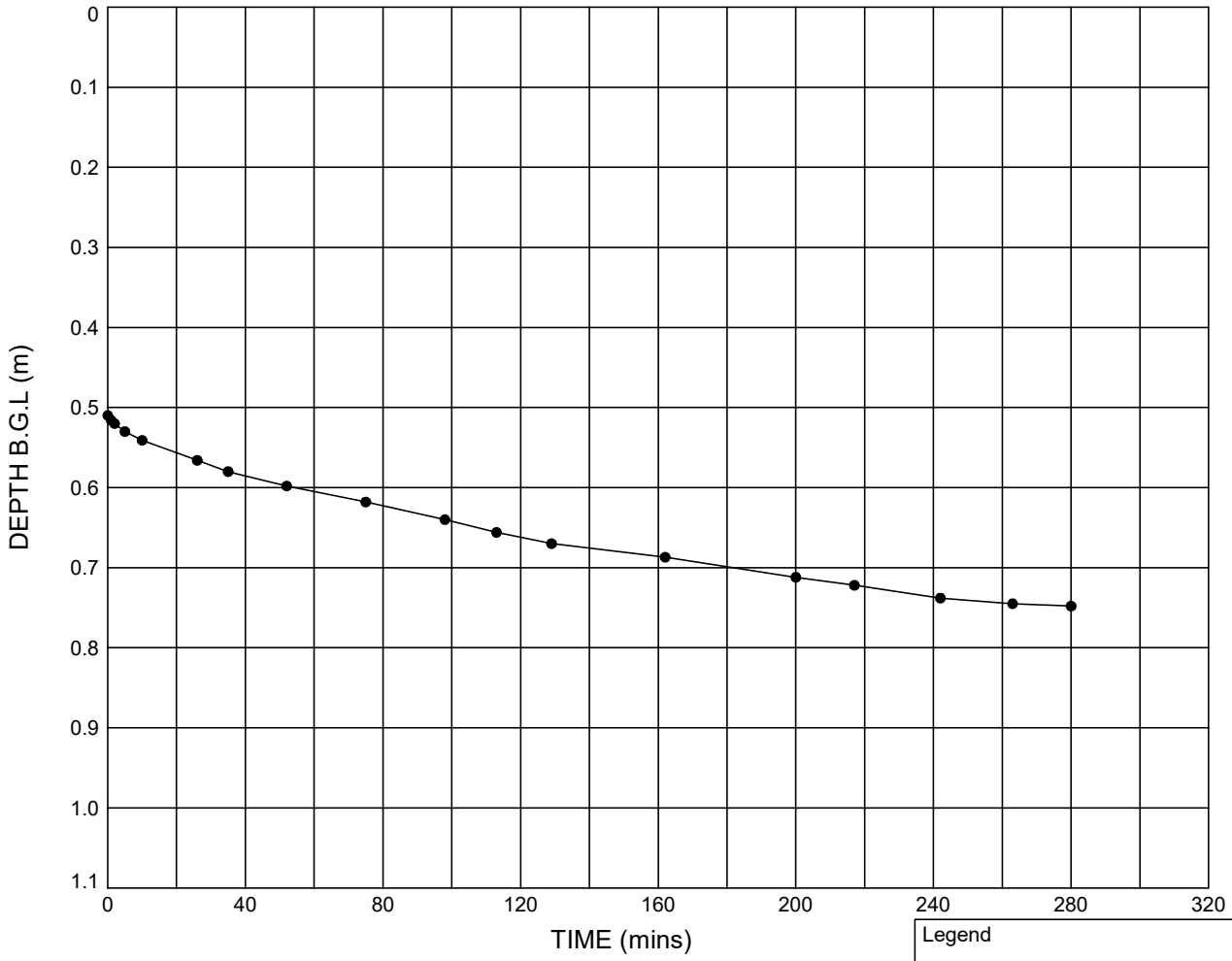
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FULL SCALE SOAKAWAY TEST

Non-standard test

Soakaway Test - Position ID : **TP03**

PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



Test 1

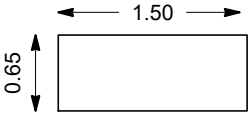
Pit start depth:	=	**1.13**	m
Pit final depth:	=	**1.13**	m
Effective depth, De	=	**0.62**	m
Effective storage volume, V_{p75-25}	=	**0.3023**	m^3
Surface area, a_{s50}	=	**2.3080**	m^2
Time, t_{p75-25}	=	**N/A**	secs
Infiltration rate, f	=	**N/A**	m/s

Notes: Test 1 - Unable to calculate infiltration rate due to insufficient drop in water level.

Legend

● Test 1 (14.10.25)

Plan (Not to scale)



No Bearing Taken

STRUCTURAL SOILS The Potteries Pottery Street Castleford W. Yorkshire WF10 1NJ	Compiled By	Date	Checked By	Date
	[redacted]	**14/10/25**	[redacted]	15/10/25
	Contract **Delaunays Road, Crumpsall, Manchester**		Contract Ref: **785847**	

GINT_LIBRARY_V10_01.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph I - TP SOAKAWAY - 2 - FINAL REPORT - A4P | 785847.GINT.GPJ - v10_01. | 14/10/25 - 15:42 | KL2 |